

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
 Data File : VN070618.D
 Acq On : 14 Jan 2022 12:56
 Operator : JC/MD
 Sample : VN0114MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/17/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 14 13:36:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	801142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1292669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1203798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	499202	50.000	ug/l	0.00

01/17/2022
 Supervised By : Mahesh
 Dadoda

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	559313	48.556	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.120%
35) Dibromofluoromethane	8.021	113	410594	52.497	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.000%
50) Toluene-d8	10.440	98	1609222	50.366	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.740%
62) 4-Bromofluorobenzene	12.731	95	588704	51.014	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.020%

01/18/2022

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	146323	16.105	ug/l	98
3) Chloromethane	2.303	50	208176	16.844	ug/l	98
4) Vinyl Chloride	2.448	62	184177	16.368	ug/l	100
5) Bromomethane	2.853	94	120791	20.798	ug/l	98
6) Chloroethane	3.017	64	129430	19.100	ug/l	99
7) Trichlorofluoromethane	3.373	101	253896	18.747	ug/l	96
8) Diethyl Ether	3.824	74	117617	19.700	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.202	101	159691	19.278	ug/l	94
10) Methyl Iodide	4.419	142	201056	17.935	ug/l	99
11) Tert butyl alcohol	5.382	59	207104	107.982	ug/l	98
12) 1,1-Dichloroethene	4.175	96	141883	17.389	ug/l	92
13) Acrolein	4.041	56	113729	73.081	ug/l	100
14) Allyl chloride	4.838	41	356669	19.280	ug/l #	83
15) Acrylonitrile	5.554	53	685449	114.527	ug/l	99
16) Acetone	4.291	43	721016	96.424	ug/l	99
17) Carbon Disulfide	4.527	76	351065	15.763	ug/l	100
18) Methyl Acetate	4.857	43	477744	22.087	ug/l	91
19) Methyl tert-butyl Ether	5.618	73	624626	20.614	ug/l	94
20) Methylene Chloride	5.093	84	196539	18.997	ug/l	88
21) trans-1,2-Dichloroethene	5.597	96	159345	18.445	ug/l #	83
22) Diisopropyl ether	6.498	45	761491	21.134	ug/l	92
23) Vinyl Acetate	6.434	43	2931208	104.852	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	365419	19.559	ug/l	97
25) 2-Butanone	7.337	43	1034796	109.907	ug/l	92
26) 2,2-Dichloropropane	7.324	77	268783	18.237	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	201368	19.535	ug/l	87
28) Bromochloromethane	7.657	49	186333	20.394	ug/l #	75
29) Tetrahydrofuran	7.689	42	662523	117.941	ug/l #	86
30) Chloroform	7.817	83	352543	19.560	ug/l	99
31) Cyclohexane	8.094	56	340622	18.739	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	283085	18.628	ug/l	97
36) 1,1-Dichloropropene	8.220	75	248900	19.237	ug/l	97
37) Ethyl Acetate	7.415	43	382295	22.795	ug/l	96
38) Carbon Tetrachloride	8.206	117	226534	18.336	ug/l	98
39) Methylcyclohexane	9.459	83	291018	18.579	ug/l	90
40) Benzene	8.461	78	802416	20.229	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
 Data File : VN070618.D
 Acq On : 14 Jan 2022 12:56
 Operator : JC/MD
 Sample : VN0114MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/17/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 14 13:36:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.638	41	196251	23.395	ug/l	#	87
42) 1,2-Dichloroethane	8.531	62	289967	19.448	ug/l		100
43) Isopropyl Acetate	8.560	43	582618	22.034	ug/l		95
44) Trichloroethene	9.217	130	178221	18.909	ug/l		92
45) 1,2-Dichloropropane	9.491	63	226459	21.204	ug/l		99
46) Dibromomethane	9.577	93	136708	20.585	ug/l		94
47) Bromodichloromethane	9.762	83	272514	20.666	ug/l		98
48) Methyl methacrylate	9.561	41	280460	22.237	ug/l	#	80
49) 1,4-Dioxane	9.569	88	88788	480.917	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.331	43	1979938	119.167	ug/l		97
52) Toluene	10.505	92	496646	20.685	ug/l		96
53) t-1,3-Dichloropropene	10.719	75	294811	20.651	ug/l		98
54) cis-1,3-Dichloropropene	10.188	75	320653	20.764	ug/l		98
55) 1,1,2-Trichloroethane	10.896	97	204009	21.475	ug/l		98
56) Ethyl methacrylate	10.760	69	342203	21.801	ug/l		88
57) 1,3-Dichloropropane	11.044	76	360615	21.462	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.041	63	514793	137.401	ug/l		90
59) 2-Hexanone	11.084	43	1452550	119.884	ug/l		96
60) Dibromochloromethane	11.237	129	193297	20.855	ug/l		99
61) 1,2-Dibromoethane	11.344	107	200780	20.815	ug/l		100
64) Tetrachloroethene	10.977	164	161510	18.528	ug/l		95
65) Chlorobenzene	11.771	112	511436	20.023	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.840	131	180870	19.836	ug/l		98
67) Ethyl Benzene	11.843	91	940524	20.097	ug/l		95
68) m/p-Xylenes	11.953	106	684189	40.164	ug/l		92
69) o-Xylene	12.280	106	334126	19.719	ug/l		89
70) Styrene	12.294	104	555156	20.701	ug/l		96
71) Bromoform	12.457	173	143191	21.159	ug/l	#	100
73) Isopropylbenzene	12.578	105	891528	19.231	ug/l		98
74) N-amyl acetate	12.388	43	391060	20.062	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.827	83	333206	20.870	ug/l		98
76) 1,2,3-Trichloropropane	12.881	75	258382m	19.261	ug/l		
77) Bromobenzene	12.860	156	206979	19.447	ug/l		75
78) n-propylbenzene	12.921	91	1004322	19.553	ug/l		96
79) 2-Chlorotoluene	13.007	91	630497	19.131	ug/l		92
80) 1,3,5-Trimethylbenzene	13.061	105	736103	19.815	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.624	75	87712	21.467	ug/l		98
82) 4-Chlorotoluene	13.104	91	599747	19.428	ug/l		92
83) tert-Butylbenzene	13.324	119	613083	18.742	ug/l		92
84) 1,2,4-Trimethylbenzene	13.366	105	715599	20.004	ug/l		97
85) sec-Butylbenzene	13.501	105	867396	19.531	ug/l		97
86) p-Isopropyltoluene	13.616	119	683900	19.604	ug/l		96
87) 1,3-Dichlorobenzene	13.616	146	349204	19.600	ug/l		96
88) 1,4-Dichlorobenzene	13.694	146	333921	19.000	ug/l		96
89) n-Butylbenzene	13.943	91	551420	18.950	ug/l		97
90) Hexachloroethane	14.209	117	120952	19.957	ug/l		90
91) 1,2-Dichlorobenzene	13.989	146	340167	19.475	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	56427	21.012	ug/l		79
93) 1,2,4-Trichlorobenzene	15.265	180	170047	20.662	ug/l		96
94) Hexachlorobutadiene	15.370	225	105839	22.128	ug/l		100
95) Naphthalene	15.507	128	448651	20.813	ug/l		99
96) 1,2,3-Trichlorobenzene	15.700	180	169586	22.013	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
 Data File : VN070618.D
 Acq On : 14 Jan 2022 12:56
 Operator : JC/MD
 Sample : VN0114MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/17/2022
 Supervised By :Mahesh Dadoda 01/18/2022

Quant Time: Jan 14 13:36:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

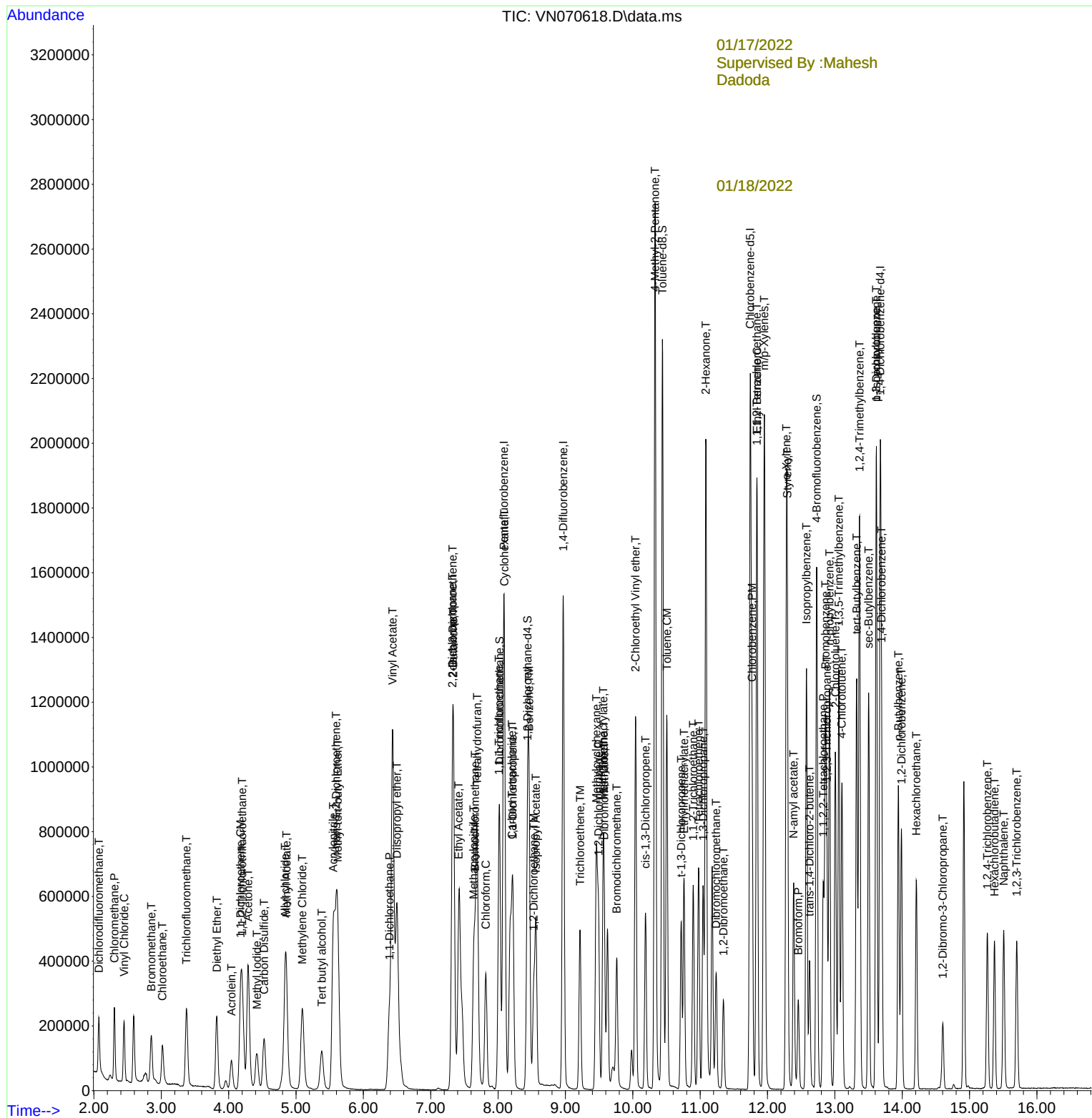
01/17/2022
 Supervised By :Mahesh
 Dadoda

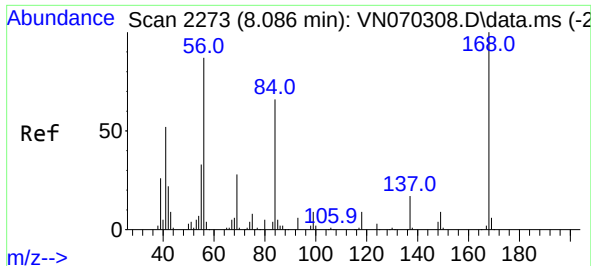
01/18/2022

Manual Integrations APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

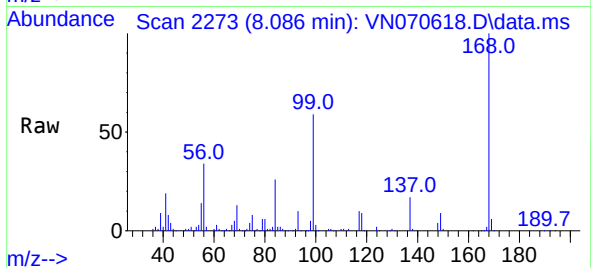
Quant Time: Jan 14 13:36:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

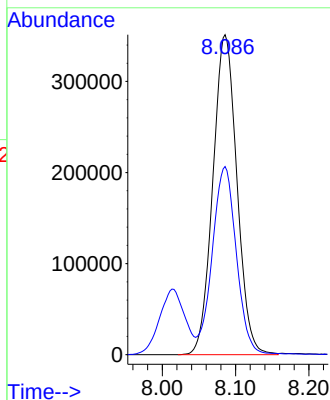
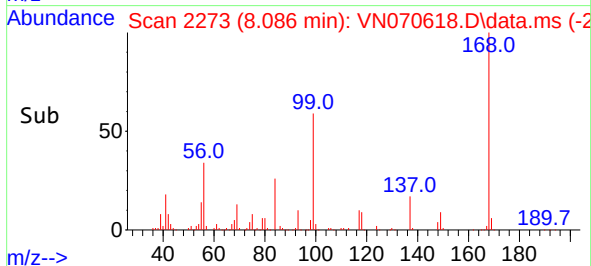
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion:168 Resp: 80114
Ion Ratio Lower Upper
168 100
99 58.4 41.3 61.9

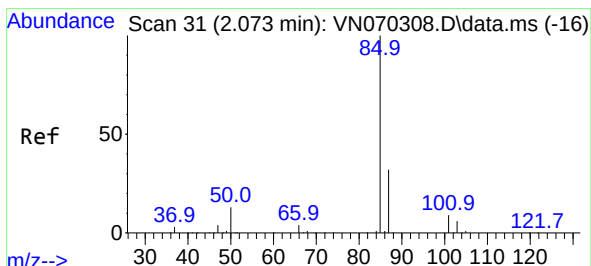
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

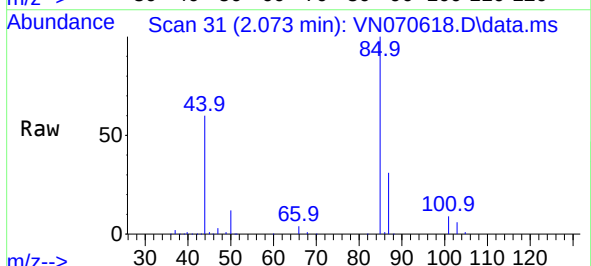


01/17/2022
Supervised By :Mahesh
Dadoda

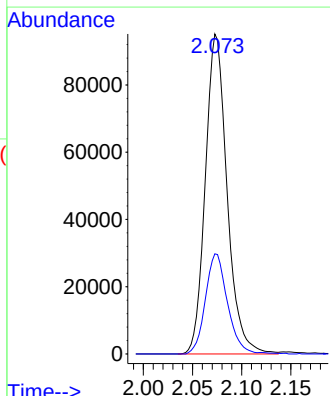
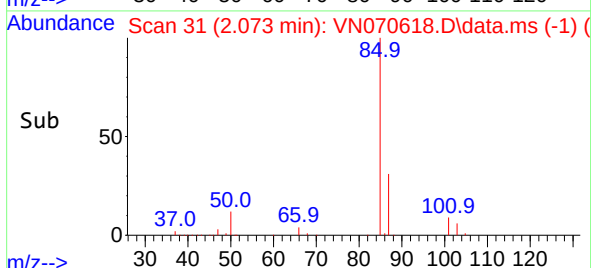
01/18/2022

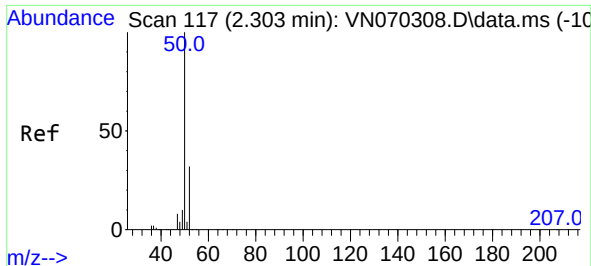


#2
Dichlorodifluoromethane
Concen: 16.105 ug/l
RT: 2.073 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



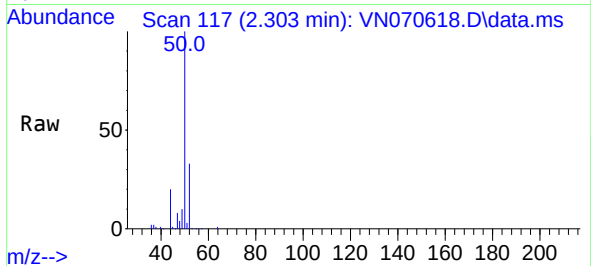
Tgt Ion: 85 Resp: 146323
Ion Ratio Lower Upper
85 100
87 31.3 16.3 48.9





#3
Chloromethane
Concen: 16.844 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

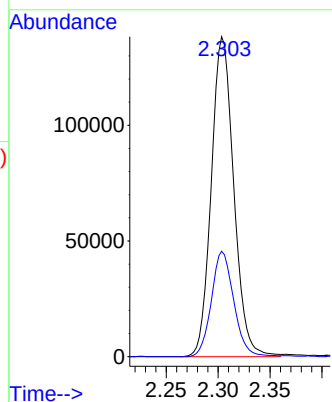
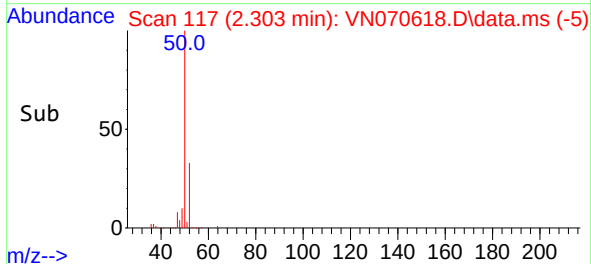
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 50 Resp: 208170
Ion Ratio Lower Upper
50 100
52 32.9 25.4 38.0

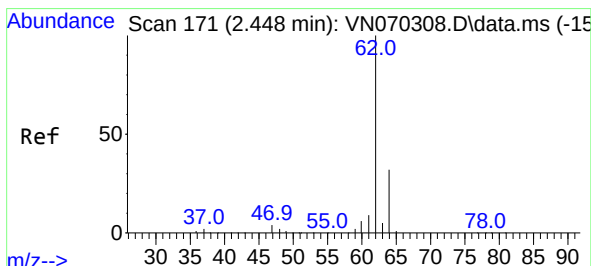
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

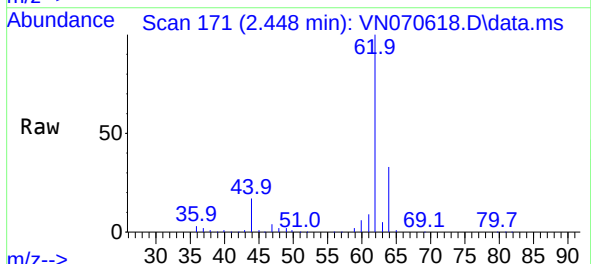


01/17/2022
Supervised By :Mahesh
Dadoda

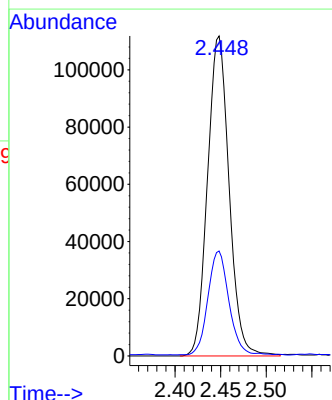
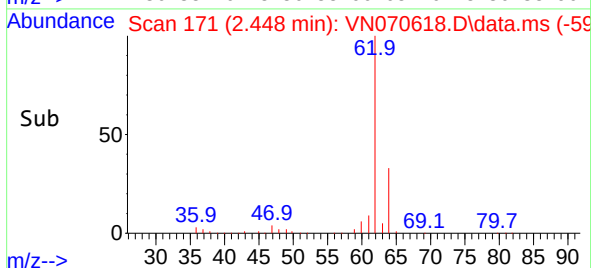
01/18/2022

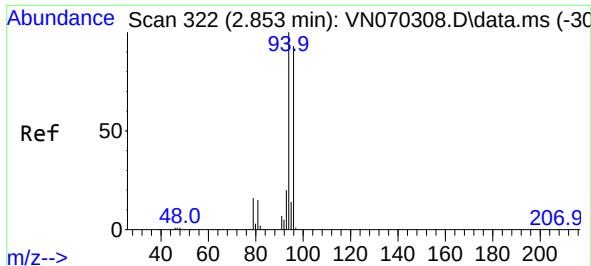


#4
Vinyl Chloride
Concen: 16.368 ug/l
RT: 2.448 min Scan# 171
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



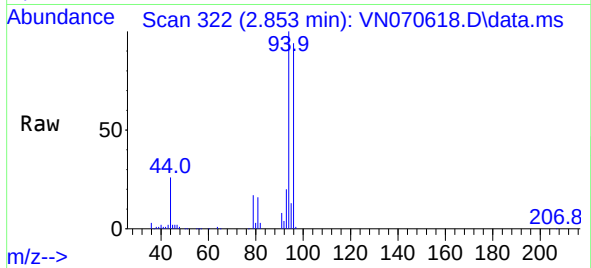
Tgt Ion: 62 Resp: 184177
Ion Ratio Lower Upper
62 100
64 32.4 25.8 38.6





#5
Bromomethane
Concen: 20.798 ug/l
RT: 2.853 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

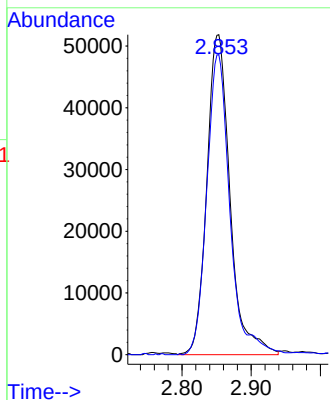
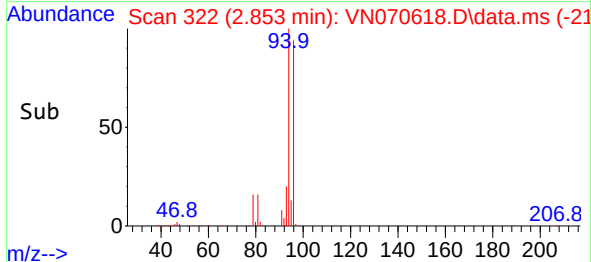
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 94 Resp: 12079
Ion Ratio Lower Upper
94 100
96 93.7 73.8 110.8

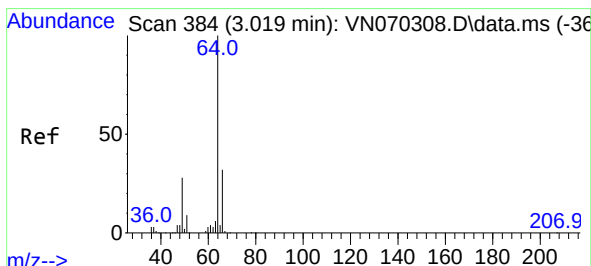
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



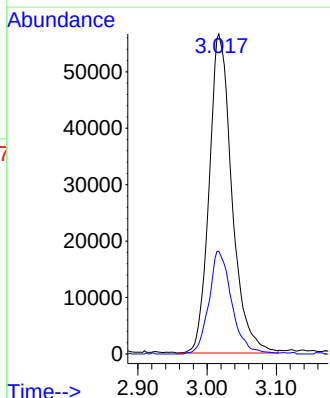
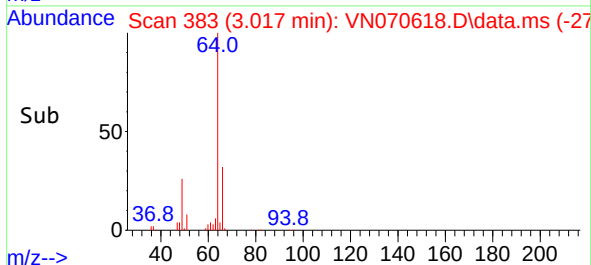
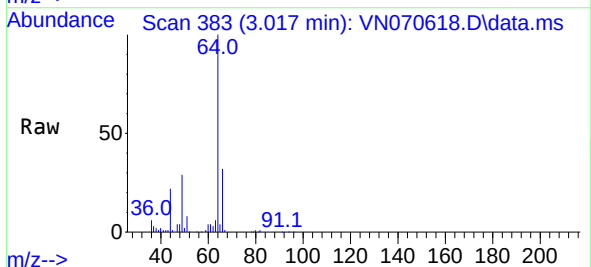
01/17/2022
Supervised By :Mahesh
Dadoda

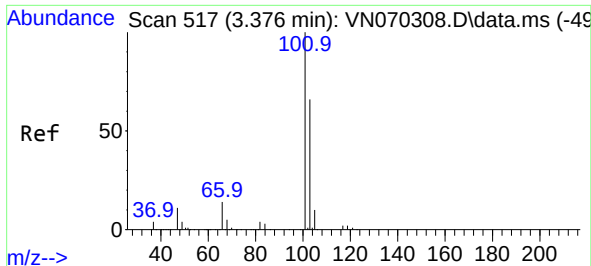
01/18/2022



#6
Chloroethane
Concen: 19.100 ug/l
RT: 3.017 min Scan# 383
Delta R.T. -0.002 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Tgt Ion: 64 Resp: 129430
Ion Ratio Lower Upper
64 100
66 32.2 26.3 39.5





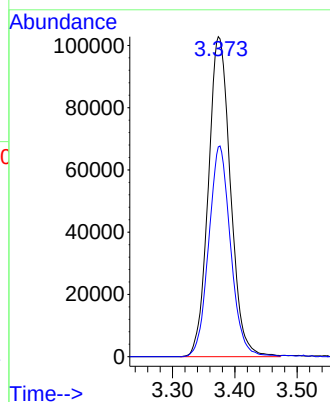
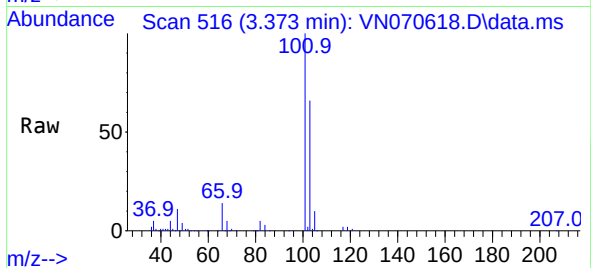
#7
Trichlorofluoromethane
Concen: 18.747 ug/l
RT: 3.373 min Scan# 517
Delta R.T. -0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01

Tgt Ion:101 Resp: 253890
Ion Ratio Lower Upper
101 100
103 65.6 50.1 75.1

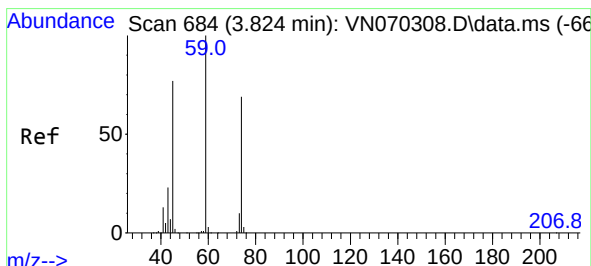
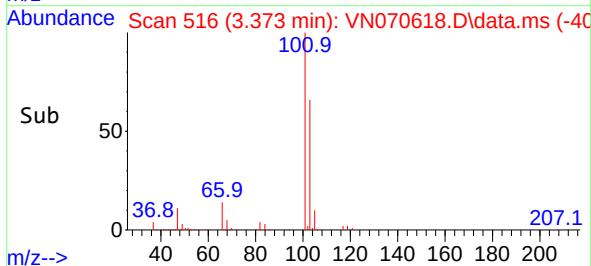
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



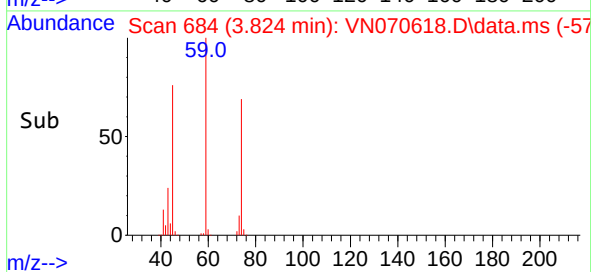
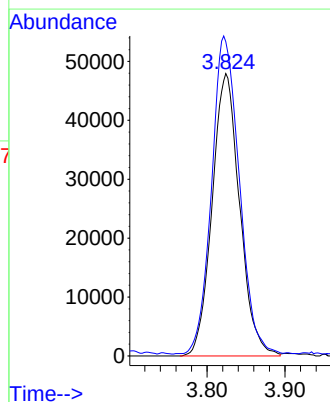
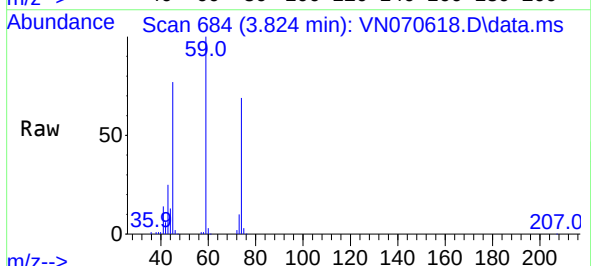
01/17/2022
Supervised By :Mahesh
Dadoda

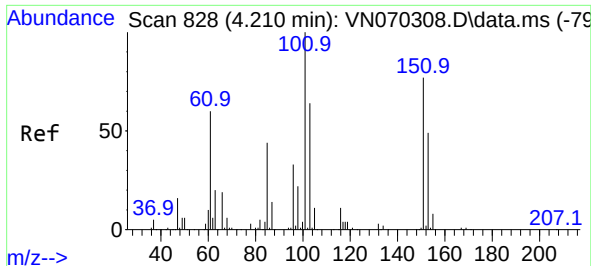
01/18/2022



#8
Diethyl Ether
Concen: 19.700 ug/l
RT: 3.824 min Scan# 684
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Tgt Ion: 74 Resp: 117617
Ion Ratio Lower Upper
74 100
45 113.1 47.0 141.2





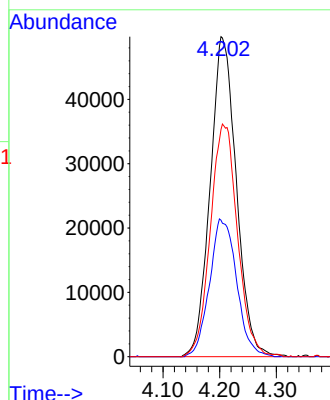
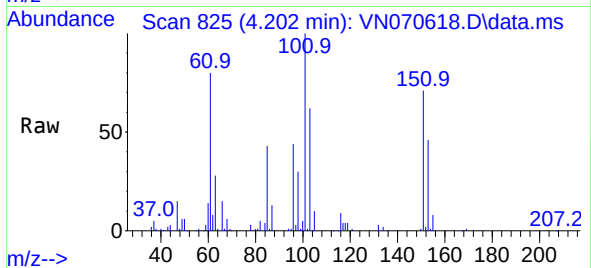
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.278 ug/l
RT: 4.202 min Scan# 81
Delta R.T. -0.008 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tgt Ion:101 Resp: 15969
Ion Ratio Lower Upper
101 100
85 44.6 37.2 55.8
151 75.2 65.9 98.9

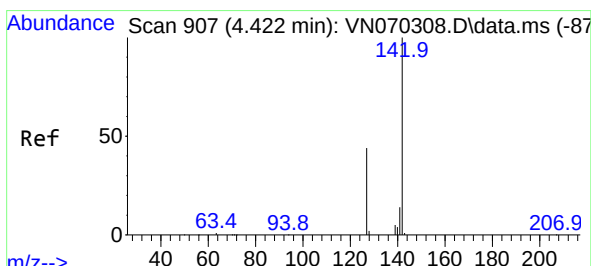
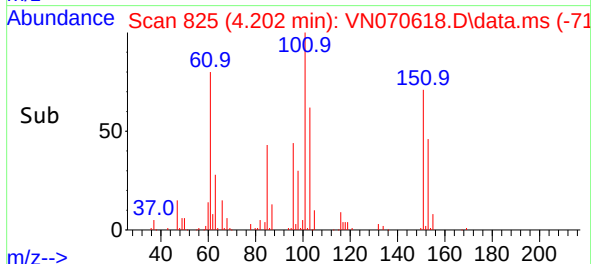
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



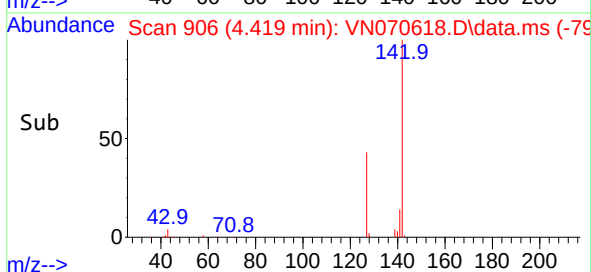
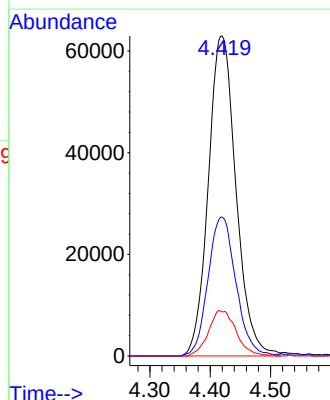
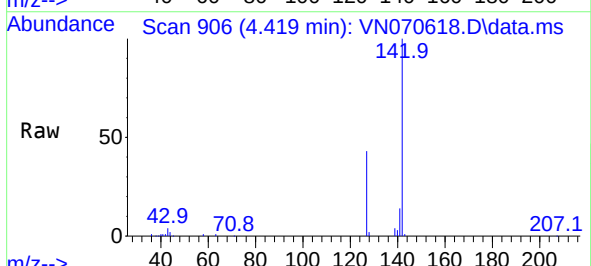
01/17/2022
Supervised By :Mahesh
Dadoda

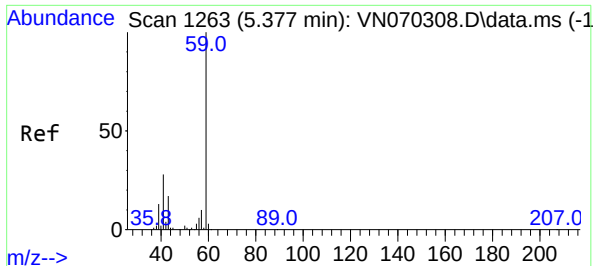
01/18/2022



#10
Methyl Iodide
Concen: 17.935 ug/l
RT: 4.419 min Scan# 906
Delta R.T. -0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

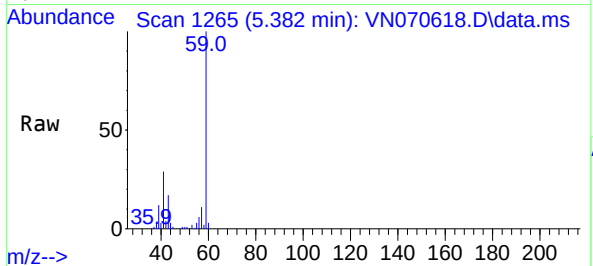
Tgt Ion:142 Resp: 201056
Ion Ratio Lower Upper
142 100
127 43.7 35.4 53.0
141 14.2 11.6 17.4





#11
Tert butyl alcohol
Concen: 107.982 ug/l
RT: 5.382 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

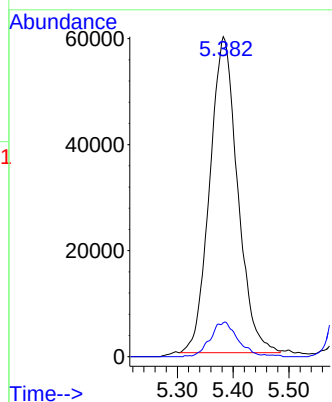
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 59 Resp: 207104
Ion Ratio Lower Upper
59 100
57 10.1 8.7 13.1

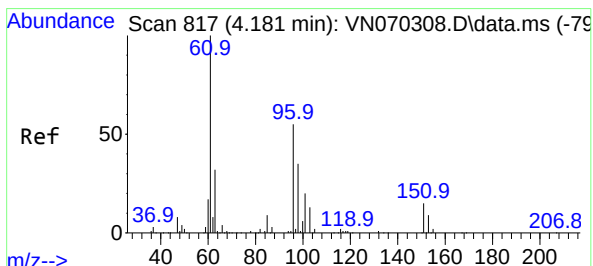
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



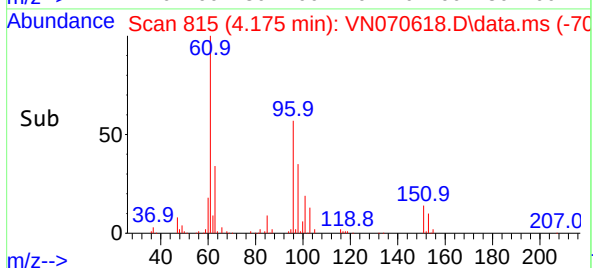
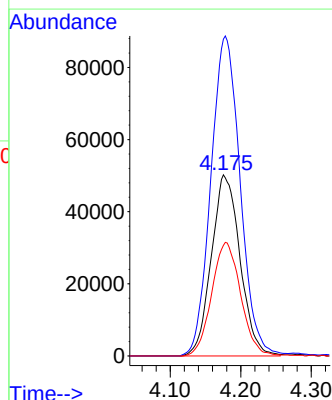
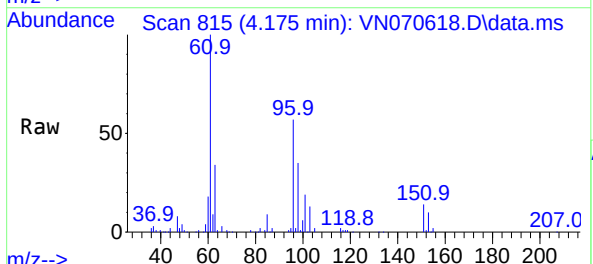
01/17/2022
Supervised By :Mahesh
Dadoda

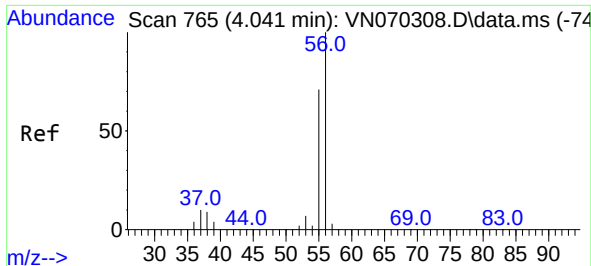
01/18/2022



#12
1,1-Dichloroethene
Concen: 17.389 ug/l
RT: 4.175 min Scan# 815
Delta R.T. -0.006 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

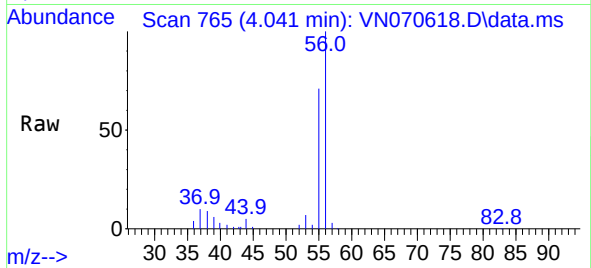
Tgt Ion: 96 Resp: 141883
Ion Ratio Lower Upper
96 100
61 174.9 131.0 196.6
98 61.1 52.4 78.6





#13
Acrolein
Concen: 73.081 ug/l
RT: 4.041 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

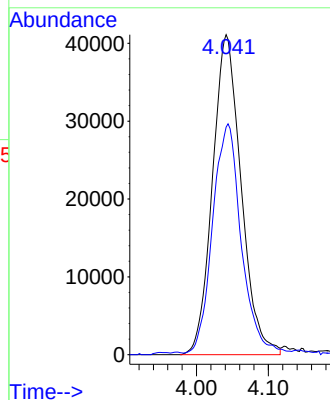
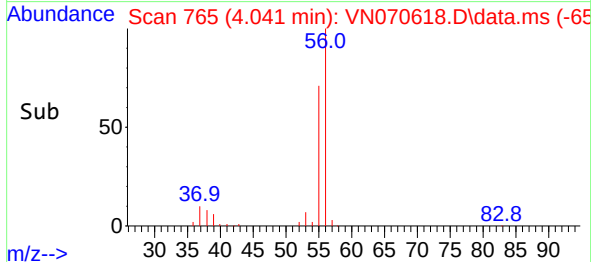
Instrument :
MSVOA_N
Client Sample Id :
VN0114MBS01



Tgt Ion: 56 Resp: 113729
Ion Ratio Lower Upper
56 100
55 71.0 56.6 85.0

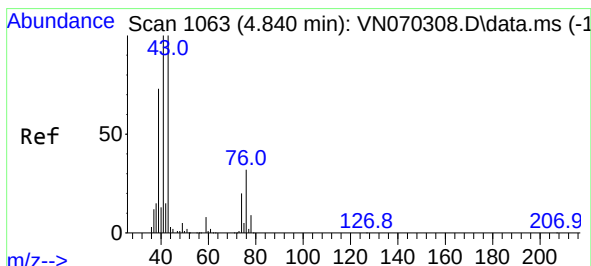
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

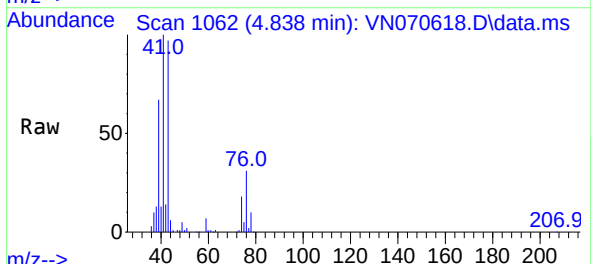


01/17/2022
Supervised By :Mahesh
Dadoda

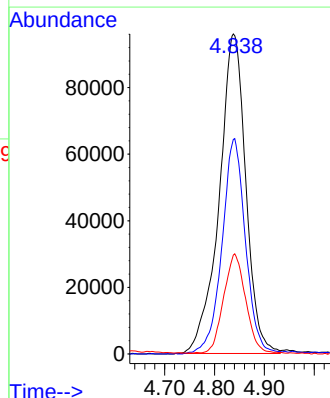
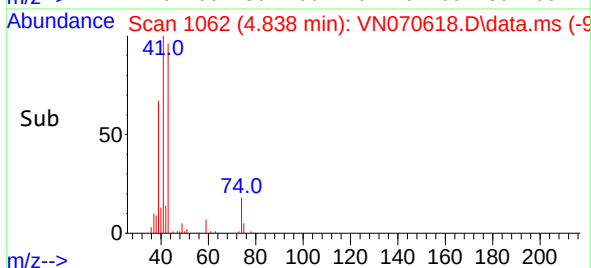
01/18/2022

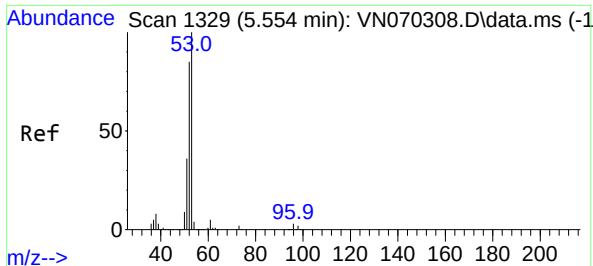


#14
Allyl chloride
Concen: 19.280 ug/l
RT: 4.838 min Scan# 1062
Delta R.T. -0.002 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



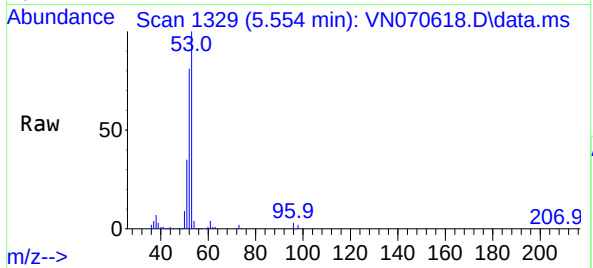
Tgt Ion: 41 Resp: 356669
Ion Ratio Lower Upper
41 100
39 59.5 61.2 91.8#
76 25.7 26.0 39.0#





#15
Acrylonitrile
Concen: 114.527 ug/l
RT: 5.554 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

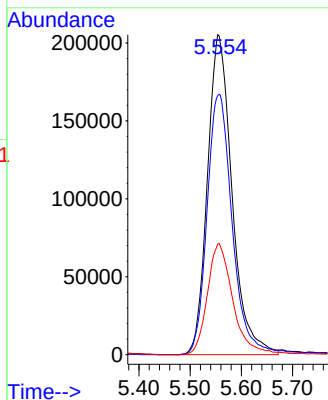
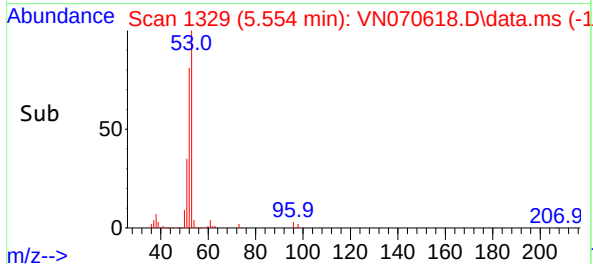
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 53 Resp: 685449
Ion Ratio Lower Upper
53 100
52 83.3 66.2 99.2
51 36.1 29.6 44.4

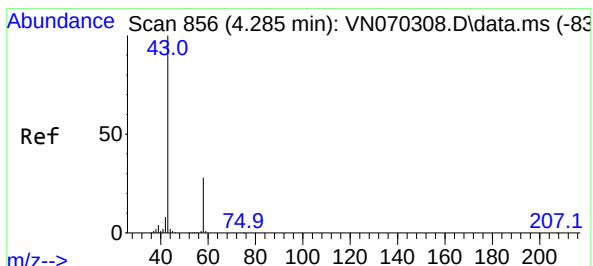
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



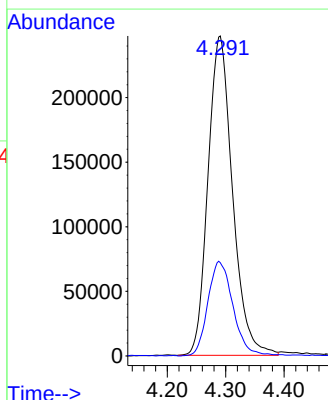
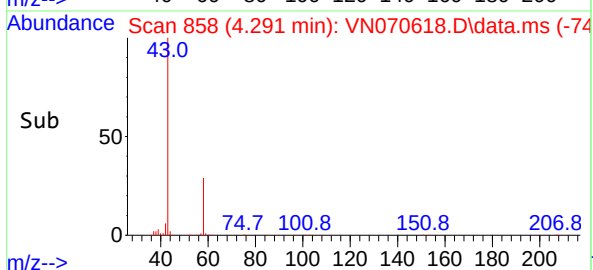
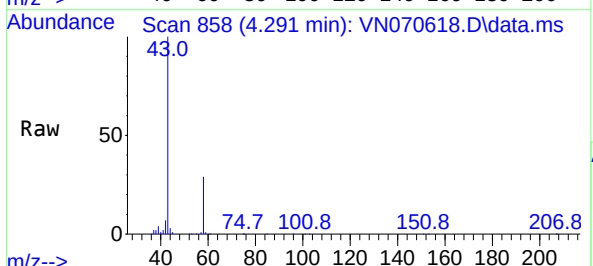
01/17/2022
Supervised By :Mahesh
Dadoda

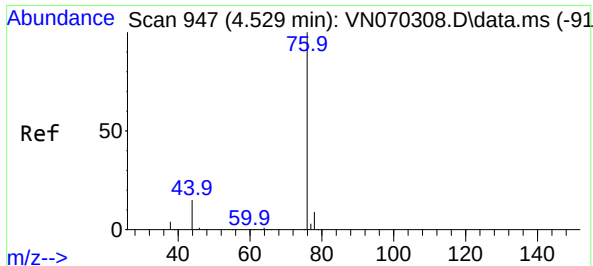
01/18/2022



#16
Acetone
Concen: 96.424 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

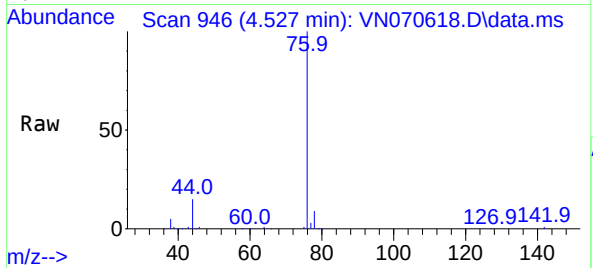
Tgt Ion: 43 Resp: 721016
Ion Ratio Lower Upper
43 100
58 29.2 23.1 34.7





#17
Carbon Disulfide
Concen: 15.763 ug/l
RT: 4.527 min Scan# 947
Delta R.T. -0.002 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

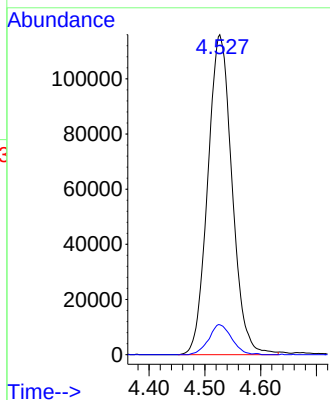
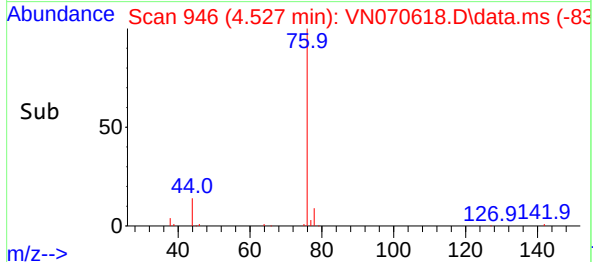
Instrument :
MSVOA_N
Client Sample Id :
VN0114MBSD01



Tgt Ion: 76 Resp: 35106
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3

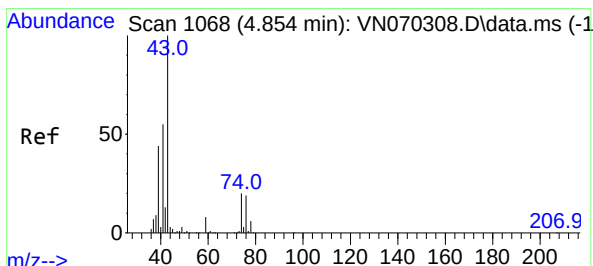
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

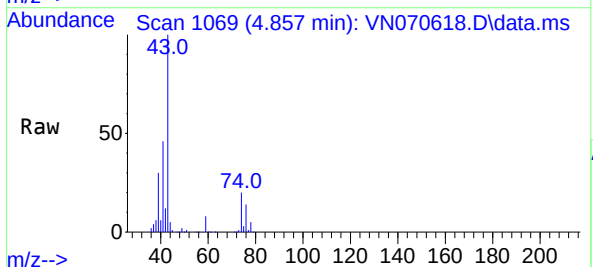


01/17/2022
Supervised By :Mahesh
Dadoda

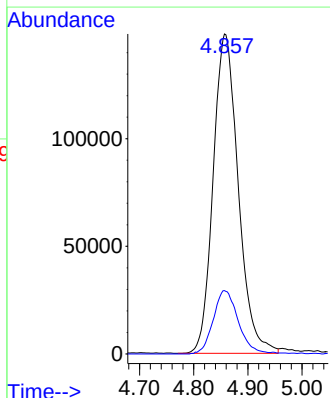
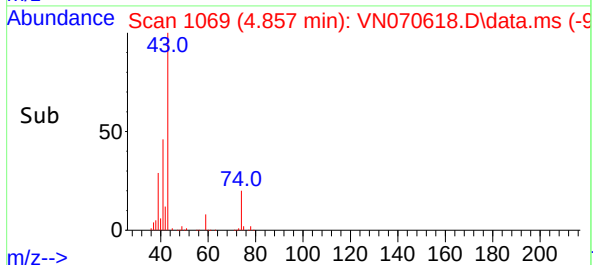
01/18/2022

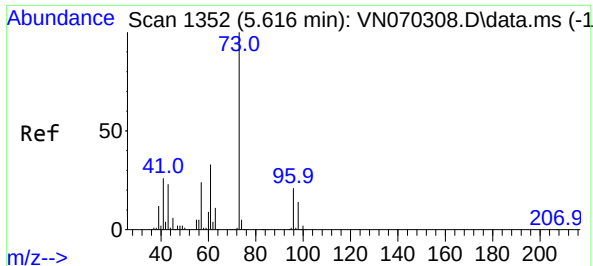


#18
Methyl Acetate
Concen: 22.087 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



Tgt Ion: 43 Resp: 477744
Ion Ratio Lower Upper
43 100
74 19.7 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 20.614 ug/l

RT: 5.618 min Scan# 1157

Delta R.T. 0.002 min

Lab File: VN070618.D

Acq: 14 Jan 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN0114MBSD01

Tgt Ion: 73 Resp: 624620

Ion Ratio Lower Upper

73 100

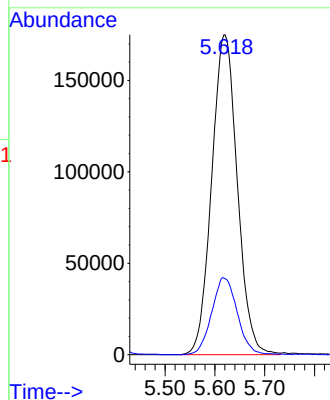
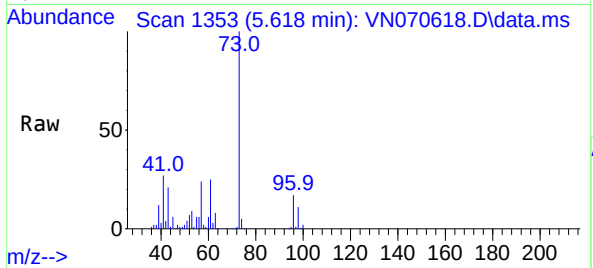
57 24.0 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/17/2022

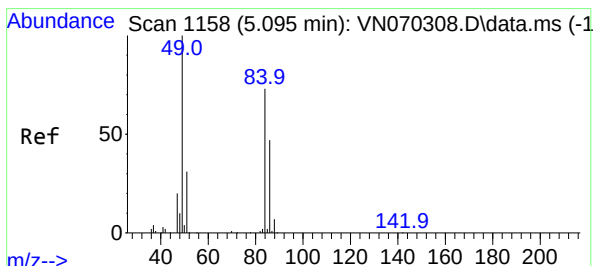
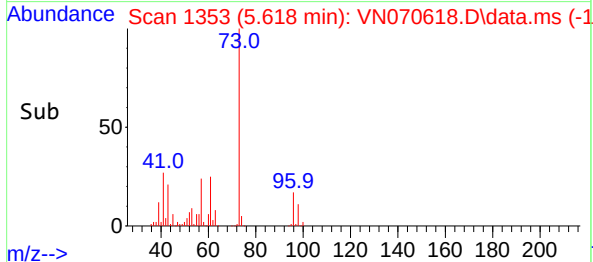
Supervised By :Mahesh Dadoda 01/18/2022



01/17/2022

Supervised By :Mahesh
Dadoda

01/18/2022



#20

Methylene Chloride

Concen: 18.997 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. -0.002 min

Lab File: VN070618.D

Acq: 14 Jan 2022 12:56

Tgt Ion: 84 Resp: 196539

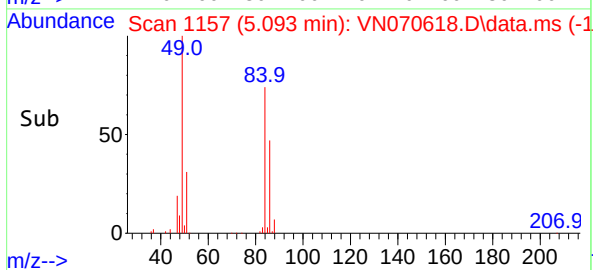
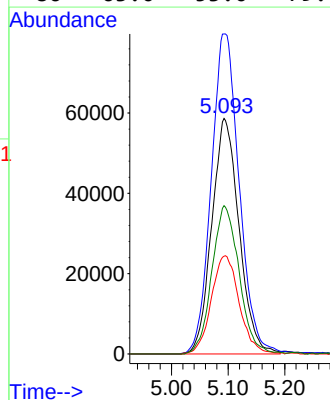
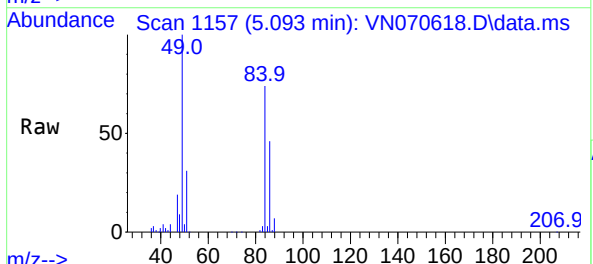
Ion Ratio Lower Upper

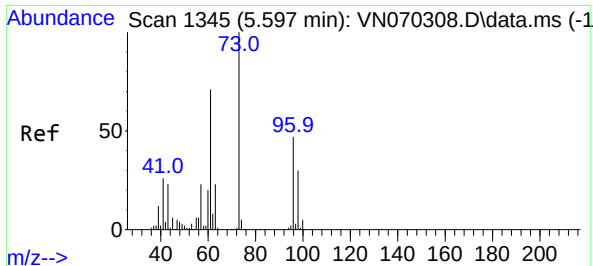
84 100

49 135.9 93.5 140.3

51 41.5 29.4 44.2

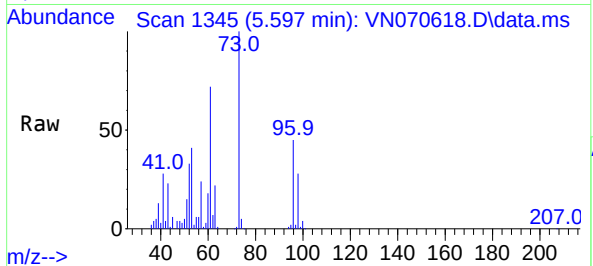
86 63.0 53.0 79.4





#21
trans-1,2-Dichloroethene
Concen: 18.445 ug/l
RT: 5.597 min Scan# 1345
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

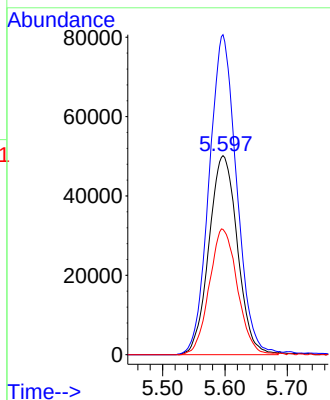
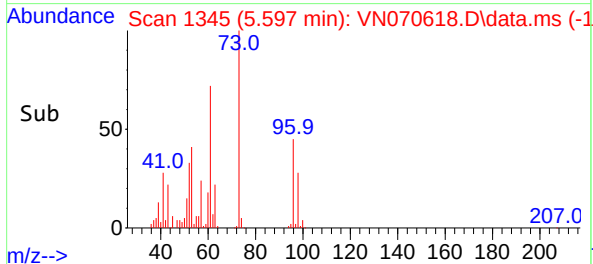
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 96 Resp: 159345
Ion Ratio Lower Upper
96 100
61 160.4 105.8 158.6
98 62.9 52.0 78.0

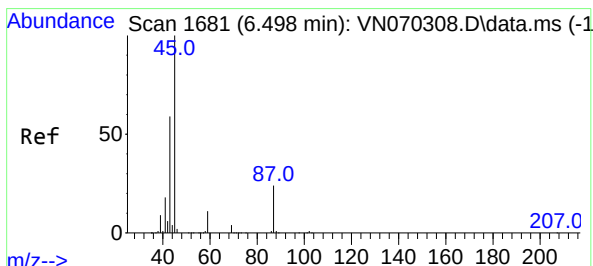
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



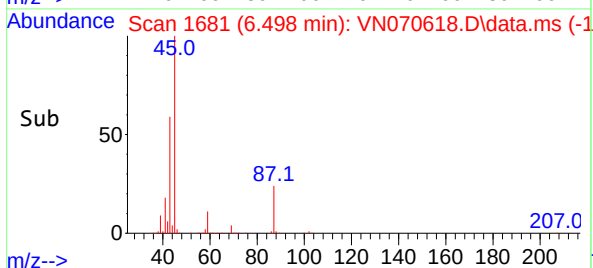
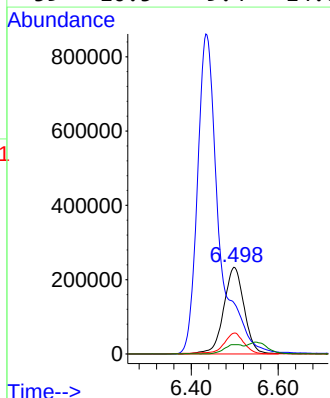
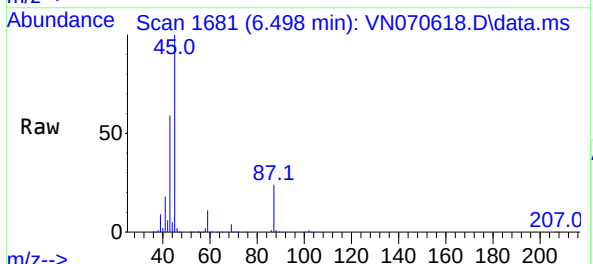
01/17/2022
Supervised By :Mahesh
Dadoda

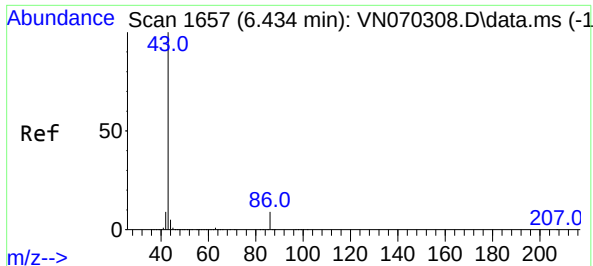
01/18/2022



#22
Diisopropyl ether
Concen: 21.134 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

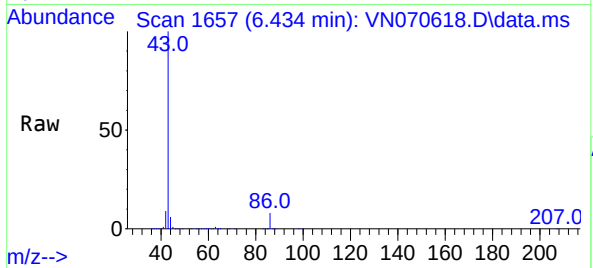
Tgt Ion: 45 Resp: 761491
Ion Ratio Lower Upper
45 100
43 58.4 51.7 77.5
87 23.9 23.2 34.8
59 10.5 9.4 14.0





#23
 Vinyl Acetate
 Concen: 104.852 ug/l
 RT: 6.434 min Scan# 1657
 Delta R.T. -0.000 min
 Lab File: VN070618.D
 Acq: 14 Jan 2022 12:56

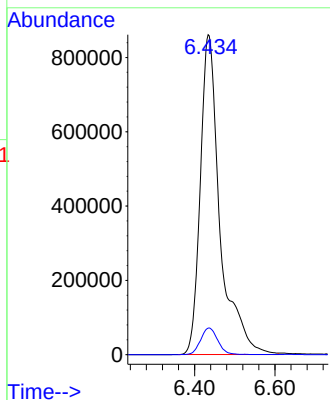
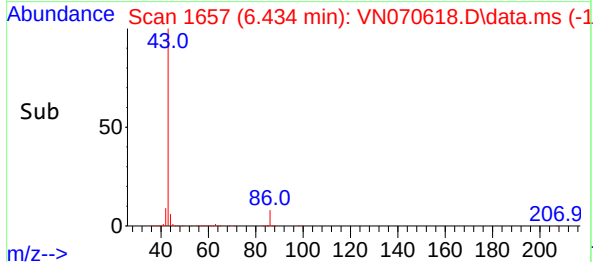
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBS01



Tgt Ion: 43 Resp: 2931208
 Ion Ratio Lower Upper
 43 100
 86 8.3 8.5 12.7

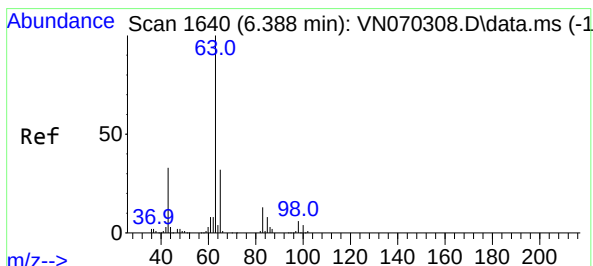
Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/17/2022
 Supervised By :Mahesh Dadoda 01/18/2022



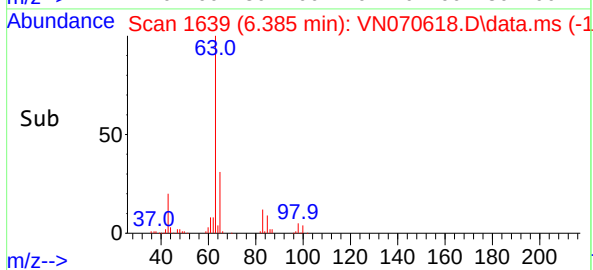
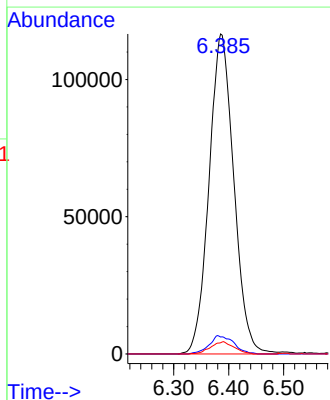
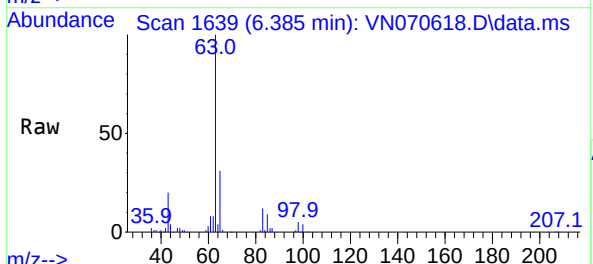
01/17/2022
 Supervised By :Mahesh
 Dadoda

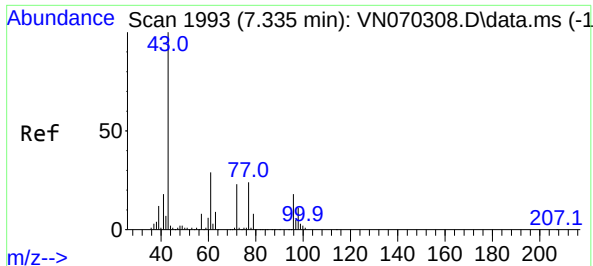
01/18/2022



#24
 1,1-Dichloroethane
 Concen: 19.559 ug/l
 RT: 6.385 min Scan# 1639
 Delta R.T. -0.003 min
 Lab File: VN070618.D
 Acq: 14 Jan 2022 12:56

Tgt Ion: 63 Resp: 365419
 Ion Ratio Lower Upper
 63 100
 98 5.3 3.3 9.9
 100 3.5 2.1 6.5





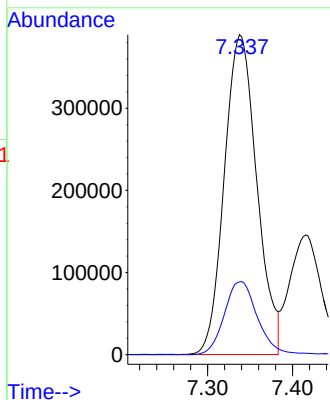
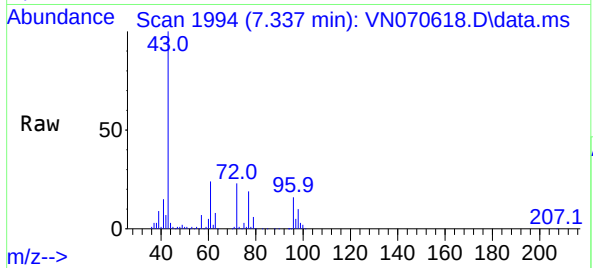
#25
2-Butanone
Concen: 109.907 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.002 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Instrument :
MSVOA_N
Client Sample Id :
VN0114MBSD01

Tgt Ion: 43 Resp: 1034790
Ion Ratio Lower Upper
43 100
72 22.7 21.7 32.5

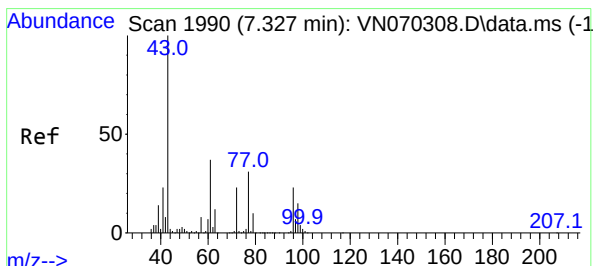
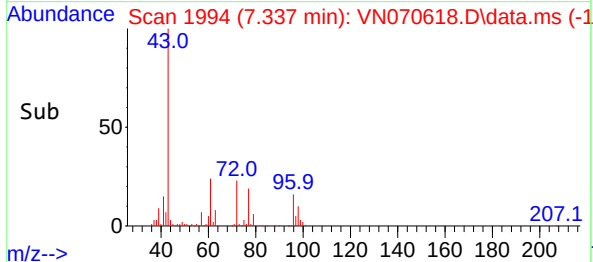
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



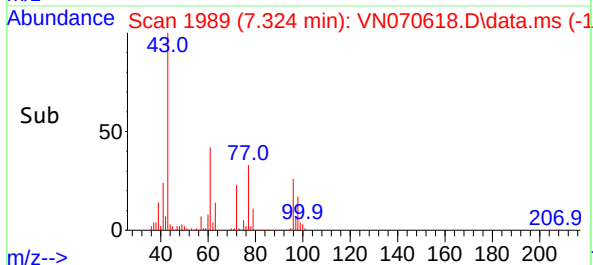
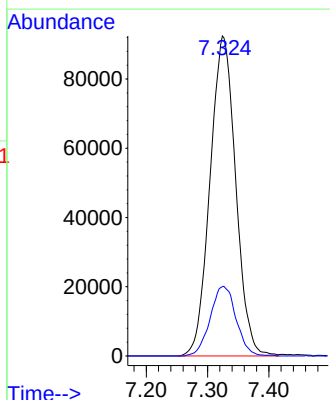
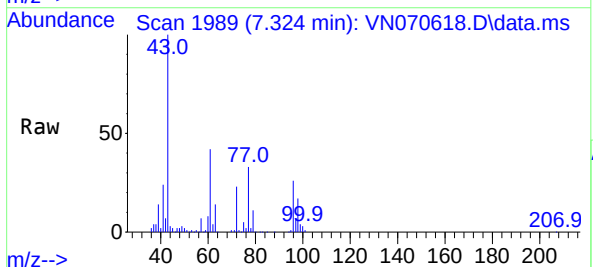
01/17/2022
Supervised By :Mahesh
Dadoda

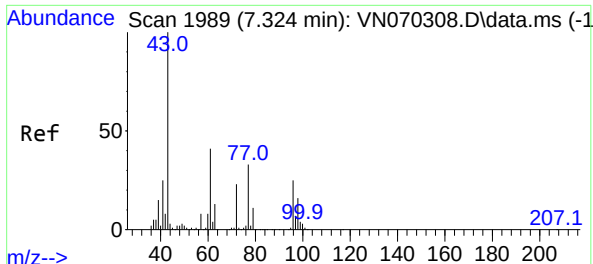
01/18/2022



#26
2,2-Dichloropropane
Concen: 18.237 ug/l
RT: 7.324 min Scan# 1989
Delta R.T. -0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

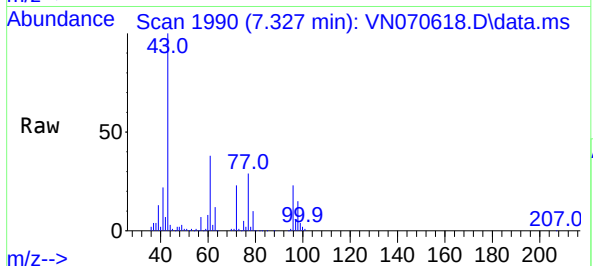
Tgt Ion: 77 Resp: 268783
Ion Ratio Lower Upper
77 100
97 21.9 11.6 34.8





#27
cis-1,2-Dichloroethene
Concen: 19.535 ug/l
RT: 7.327 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

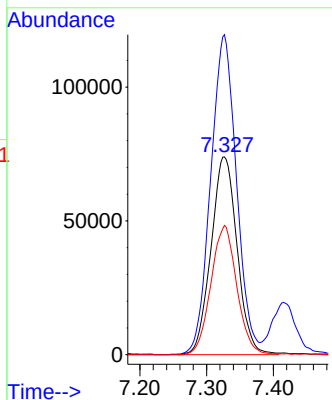
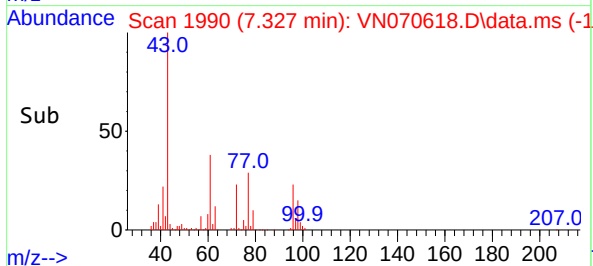
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01



Tgt Ion: 96 Resp: 201368
Ion Ratio Lower Upper
96 100
61 159.6 0.0 275.0
98 64.5 0.0 129.6

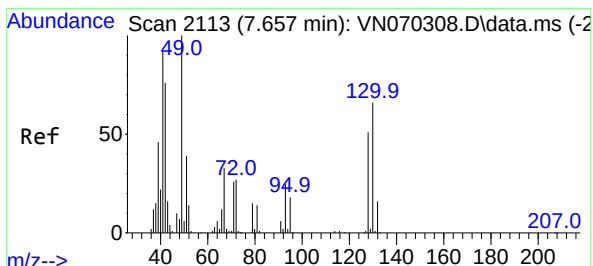
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



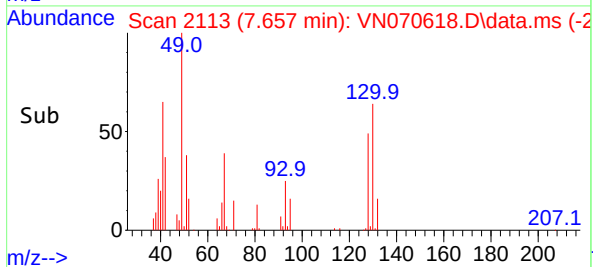
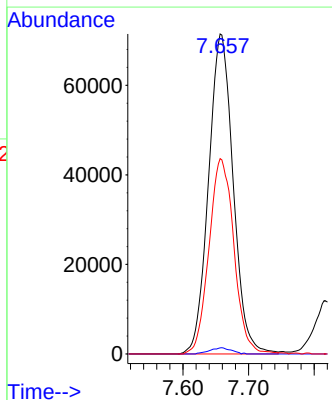
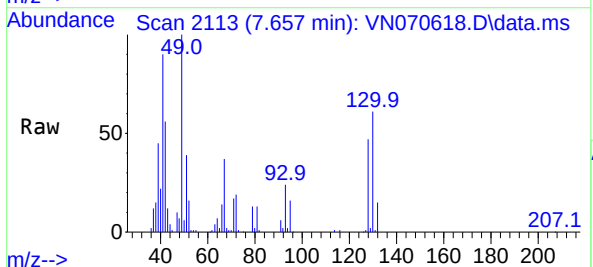
01/17/2022
Supervised By :Mahesh
Dadoda

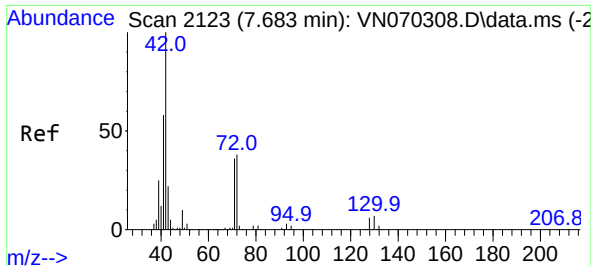
01/18/2022



#28
Bromochloromethane
Concen: 20.394 ug/l
RT: 7.657 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Tgt Ion: 49 Resp: 186333
Ion Ratio Lower Upper
49 100
129 1.7 0.0 4.0
130 61.9 67.8 101.8#





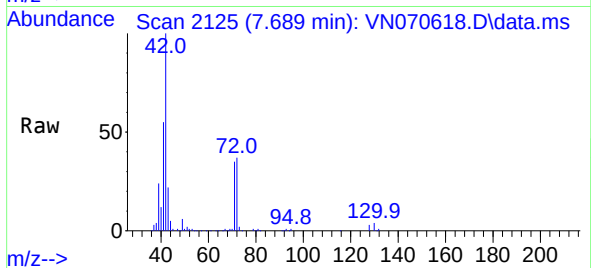
#29
Tetrahydrofuran
Concen: 117.941 ug/l
RT: 7.689 min Scan# 2123
Delta R.T. 0.006 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

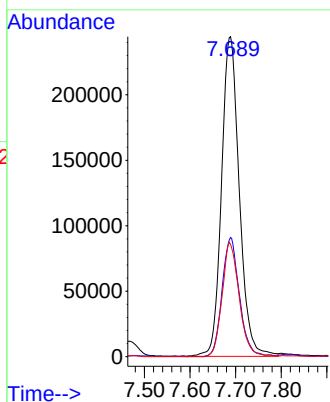
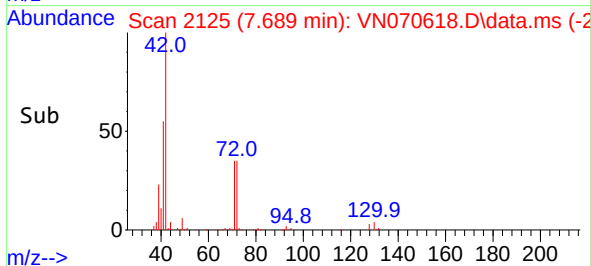
VN0114MBSD01



Tgt Ion: 42 Resp: 66252
Ion Ratio Lower Upper
42 100
72 36.2 36.3 54.5
71 34.1 34.7 52.1

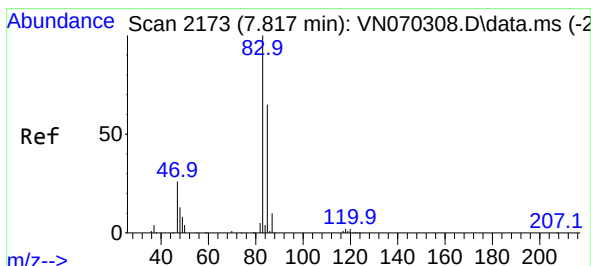
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



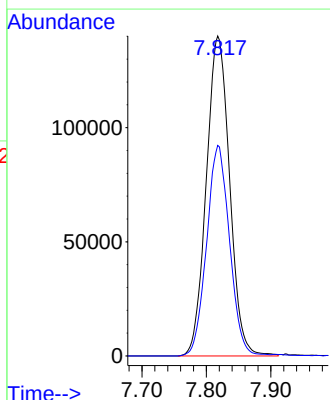
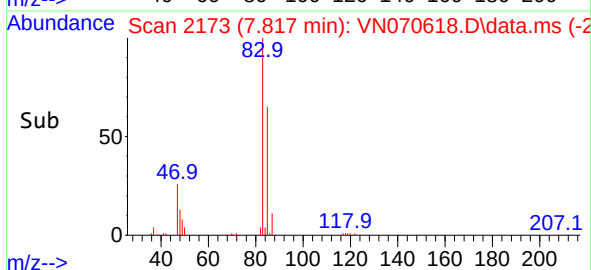
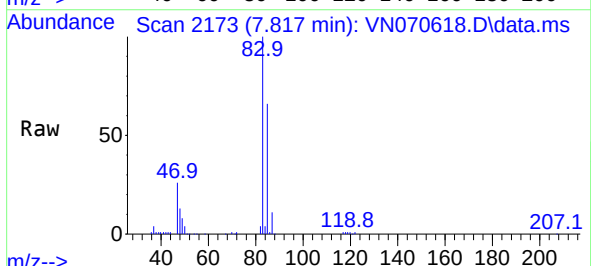
01/17/2022
Supervised By :Mahesh
Dadoda

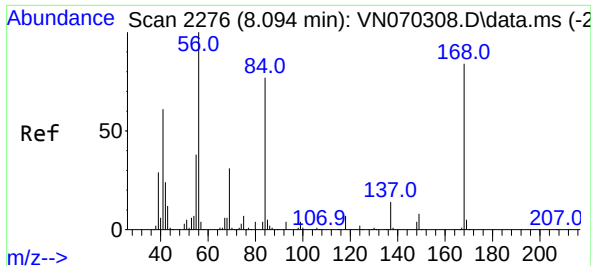
01/18/2022



#30
Chloroform
Concen: 19.560 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

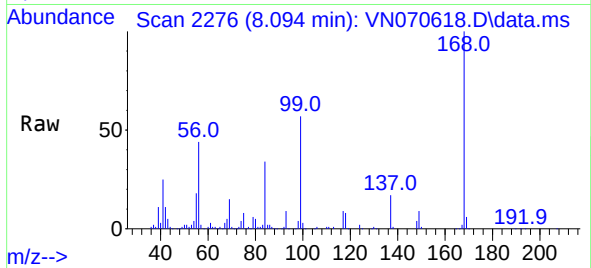
Tgt Ion: 83 Resp: 352543
Ion Ratio Lower Upper
83 100
85 65.8 51.9 77.9





#31
Cyclohexane
Concen: 18.739 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

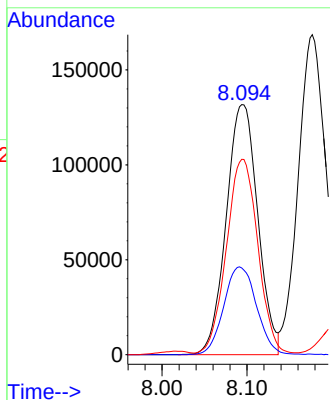
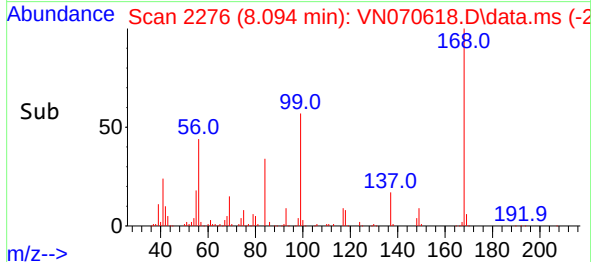
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01



Tgt Ion: 56 Resp: 34062
Ion Ratio Lower Upper
56 100
69 34.6 27.1 40.7
84 76.8 73.4 110.0

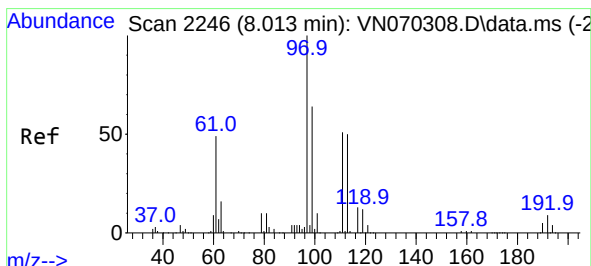
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

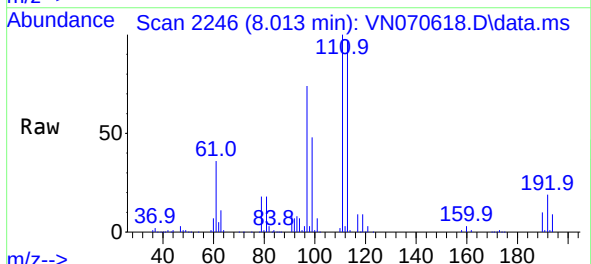


01/17/2022
Supervised By :Mahesh
Dadoda

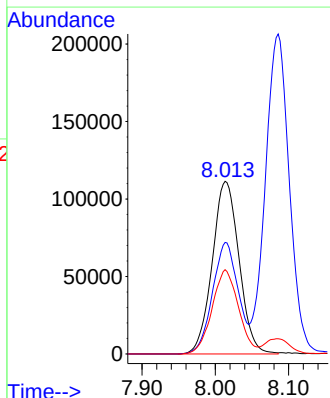
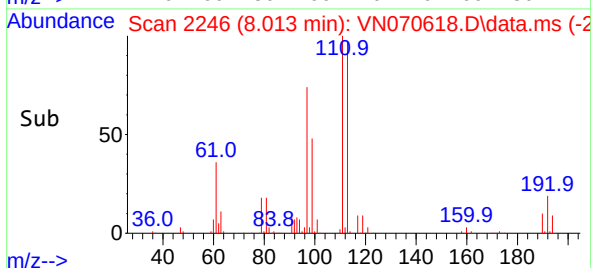
01/18/2022

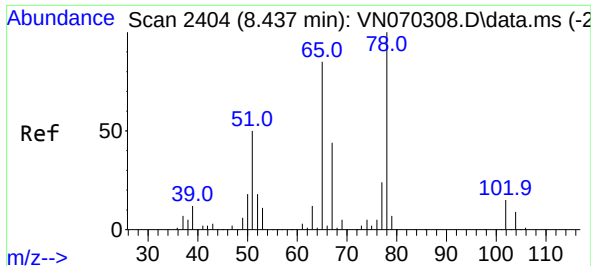


#32
1,1,1-Trichloroethane
Concen: 18.628 ug/l
RT: 8.013 min Scan# 2246
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



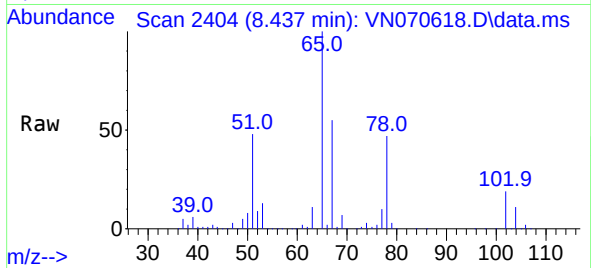
Tgt Ion: 97 Resp: 283085
Ion Ratio Lower Upper
97 100
99 61.9 50.1 75.1
61 48.3 35.2 52.8





#33
1,2-Dichloroethane-d4
Concen: 48.556 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

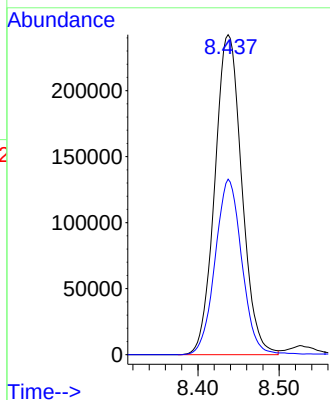
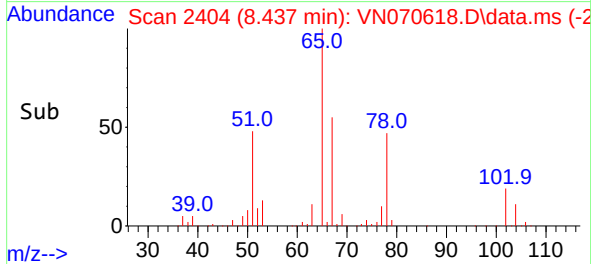
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01



Tgt Ion: 65 Resp: 55931
Ion Ratio Lower Upper
65 100
67 54.3 0.0 103.0

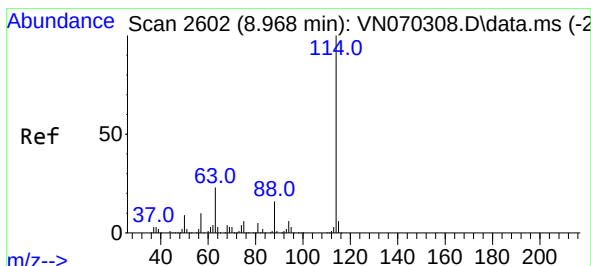
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



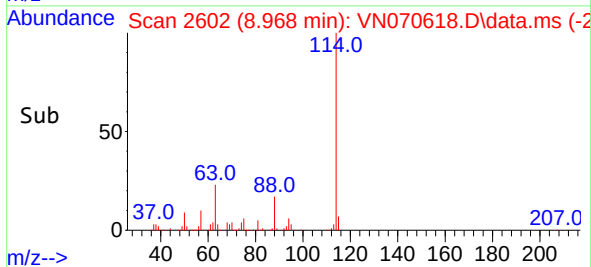
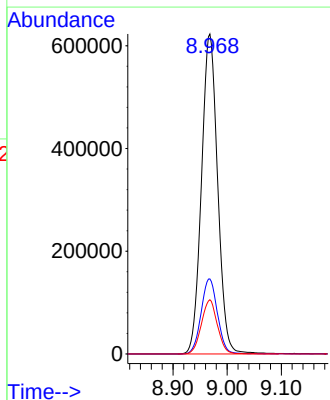
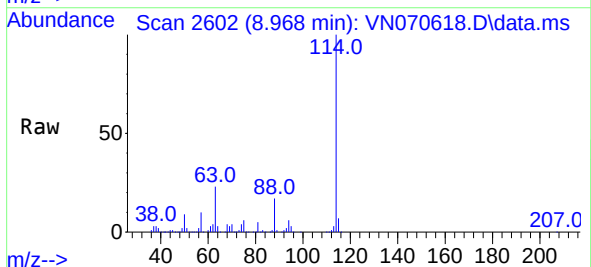
01/17/2022
Supervised By :Mahesh
Dadoda

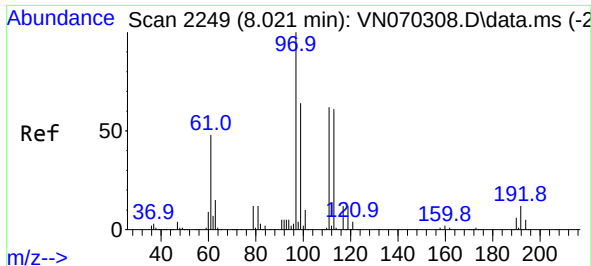
01/18/2022



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

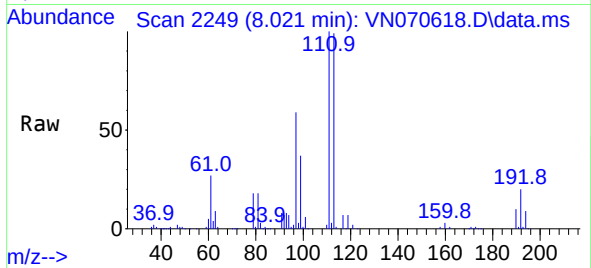
Tgt Ion:114 Resp: 1292669
Ion Ratio Lower Upper
114 100
63 23.4 0.0 37.8
88 16.9 0.0 27.4





#35
Dibromofluoromethane
Concen: 52.497 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

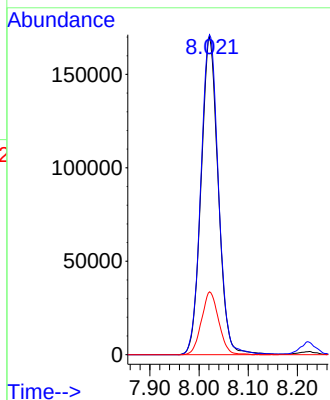
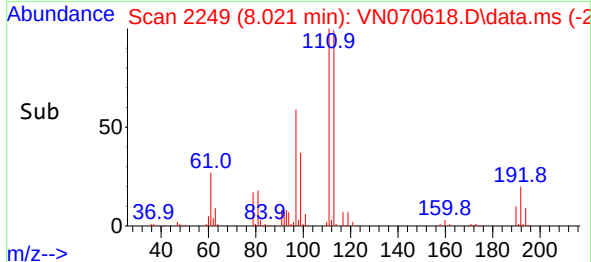
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 113 Resp: 410594
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 19.9 16.9 25.3

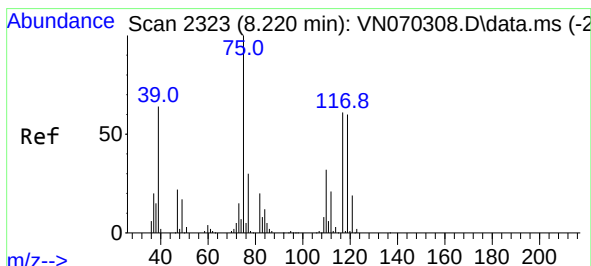
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

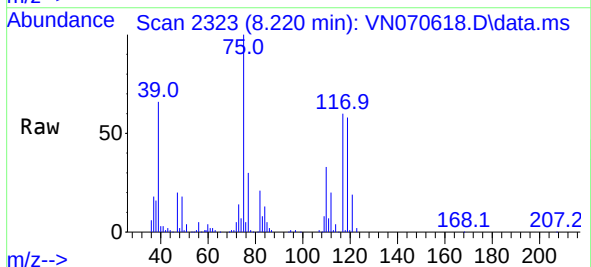


01/17/2022
Supervised By :Mahesh
Dadoda

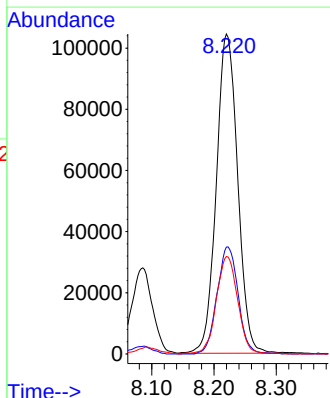
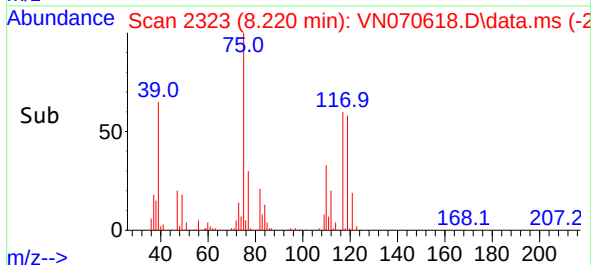
01/18/2022

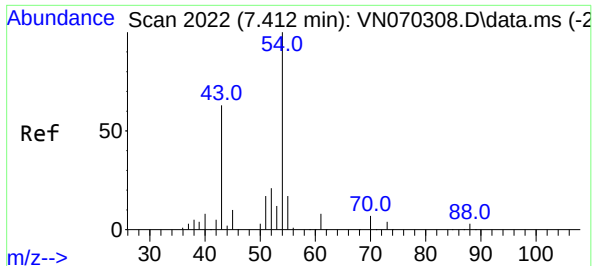


#36
1,1-Dichloropropene
Concen: 19.237 ug/l
RT: 8.220 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



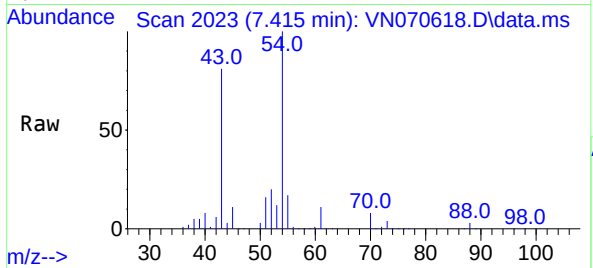
Tgt Ion: 75 Resp: 248900
Ion Ratio Lower Upper
75 100
110 33.1 18.4 55.2
77 30.6 24.4 36.6





#37
Ethyl Acetate
Concen: 22.795 ug/l
RT: 7.415 min Scan# 2022
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

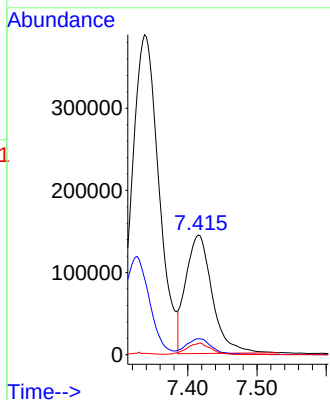
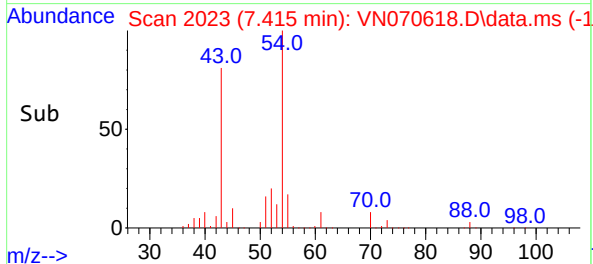
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 43 Resp: 38229
Ion Ratio Lower Upper
43 100
61 12.5 11.5 17.3
70 8.6 7.9 11.9

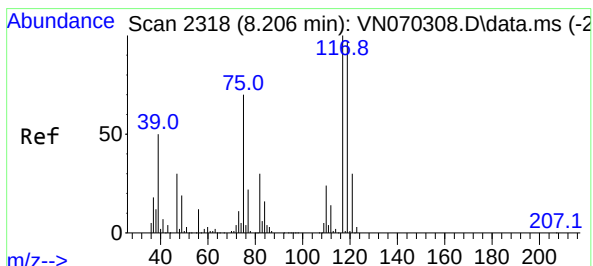
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



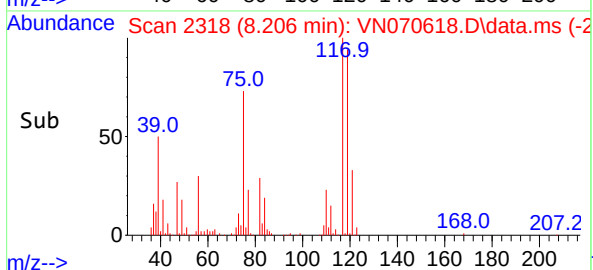
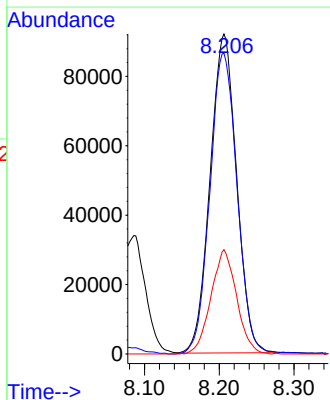
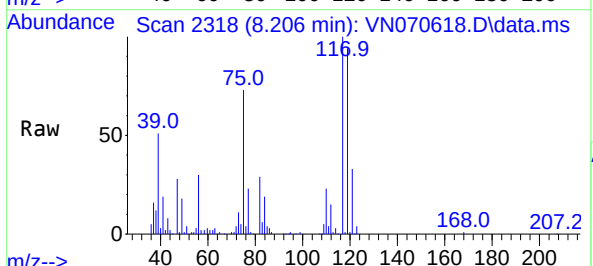
01/17/2022
Supervised By :Mahesh
Dadoda

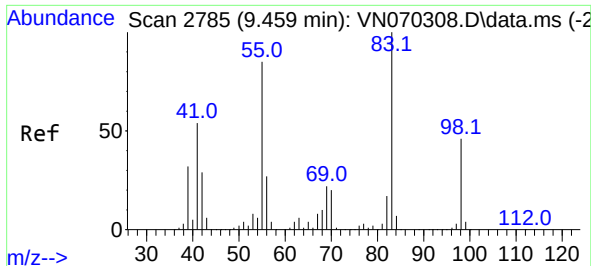
01/18/2022



#38
Carbon Tetrachloride
Concen: 18.336 ug/l
RT: 8.206 min Scan# 2318
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

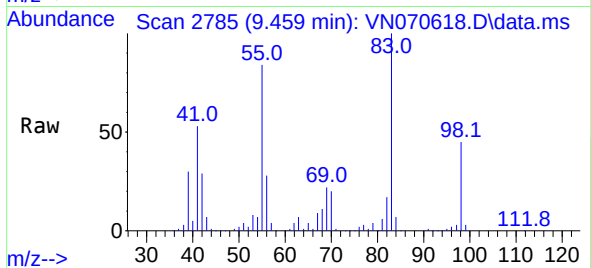
Tgt Ion:117 Resp: 226534
Ion Ratio Lower Upper
117 100
119 94.2 76.1 114.1
121 32.7 24.2 36.2





#39
Methylcyclohexane
Concen: 18.579 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

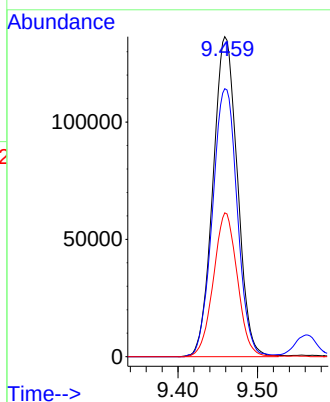
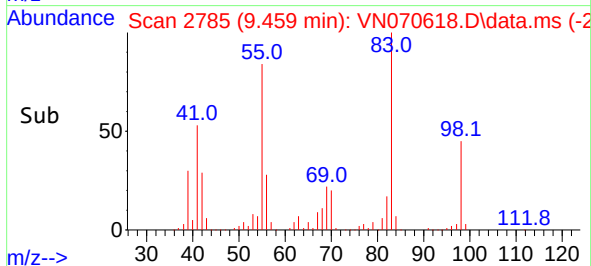
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 83 Resp: 291018
Ion Ratio Lower Upper
83 100
55 83.8 58.1 87.1
98 45.0 38.4 57.6

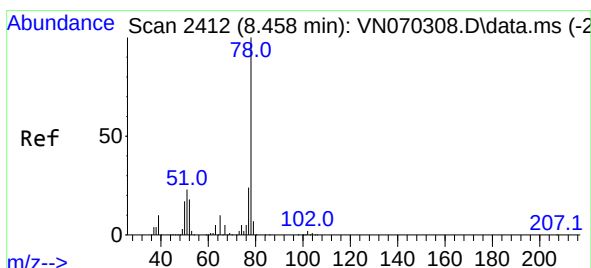
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



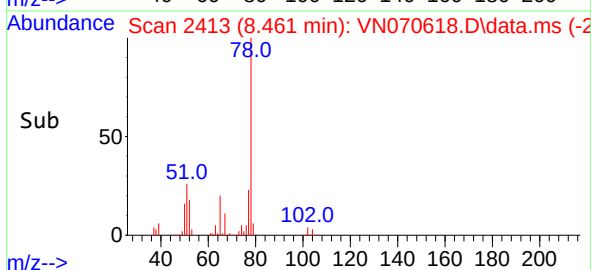
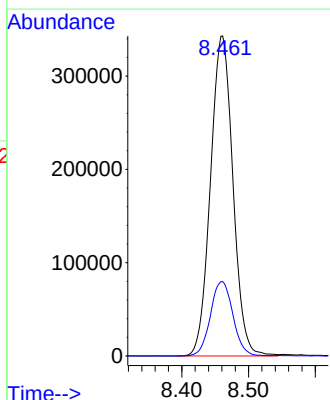
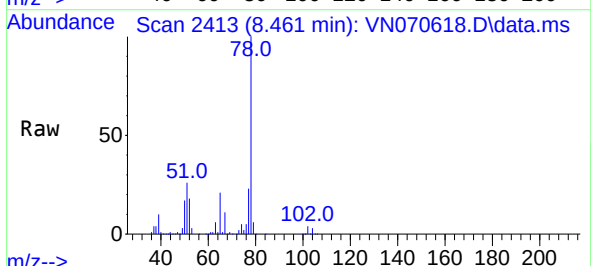
01/17/2022
Supervised By :Mahesh
Dadoda

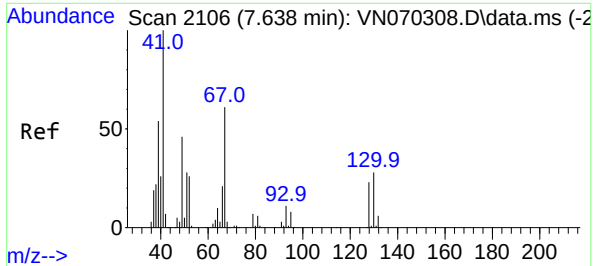
01/18/2022



#40
Benzene
Concen: 20.229 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

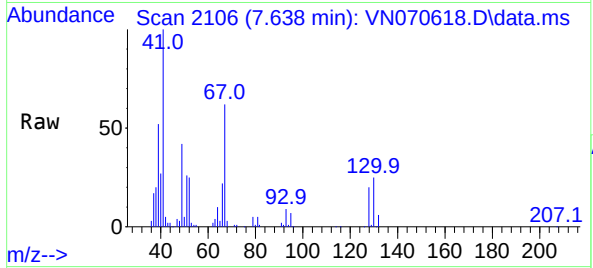
Tgt Ion: 78 Resp: 802416
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8





#41
Methacrylonitrile
Concen: 23.395 ug/l
RT: 7.638 min Scan# 2106
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

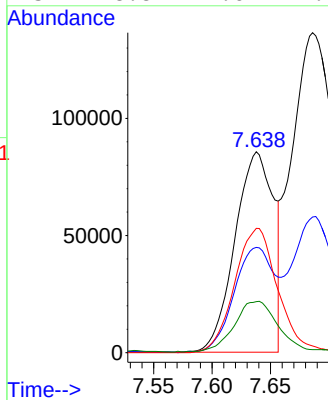
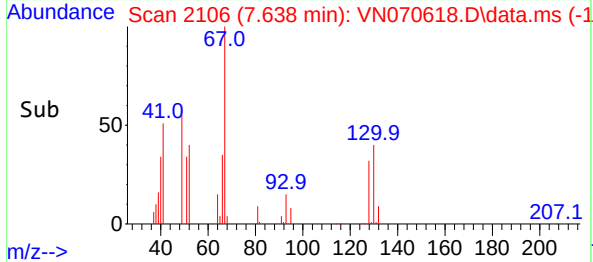
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 41 Resp: 19625
Ion Ratio Lower Upper
41 100
39 55.6 48.1 72.1
67 69.6 68.3 102.5
52 28.8 29.6 44.4#

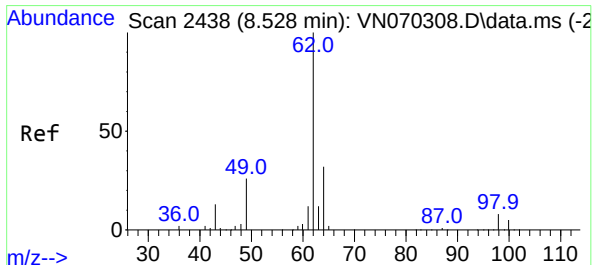
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



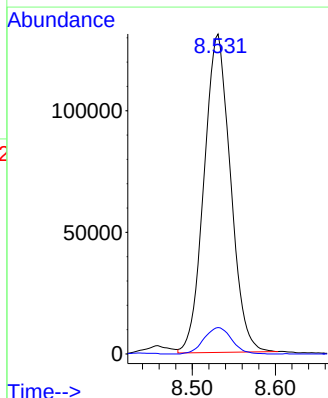
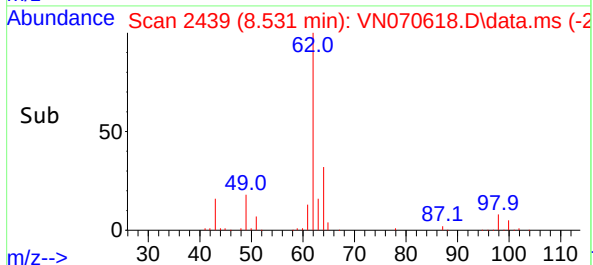
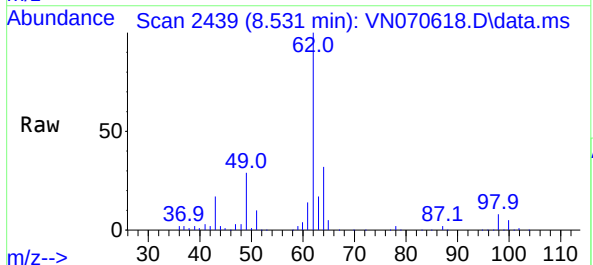
01/17/2022
Supervised By :Mahesh
Dadoda

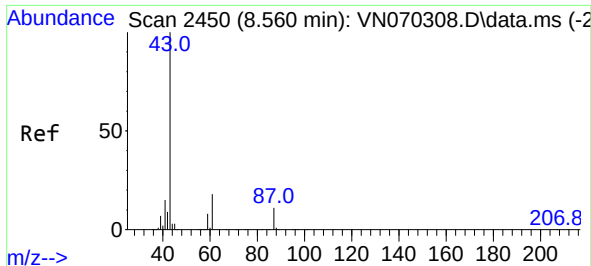
01/18/2022



#42
1,2-Dichloroethane
Concen: 19.448 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

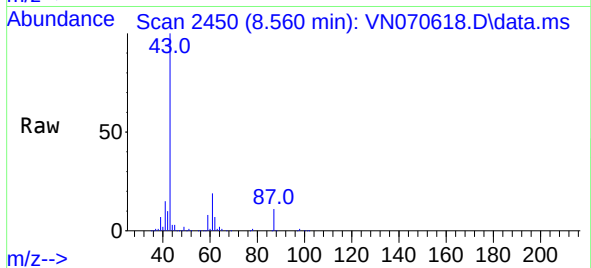
Tgt Ion: 62 Resp: 289967
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.6





#43
Isopropyl Acetate
Concen: 22.034 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

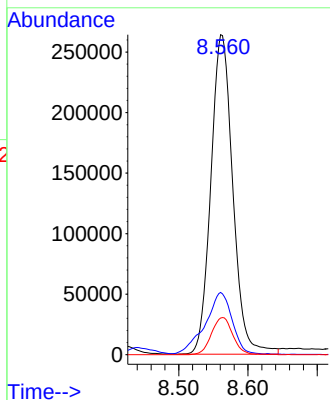
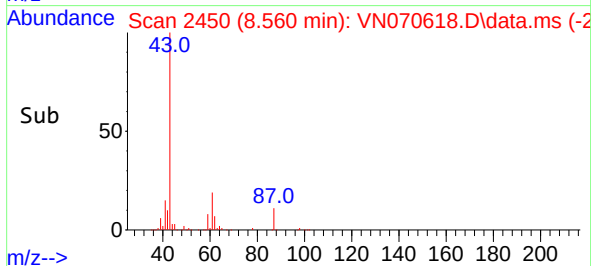
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 43 Resp: 582618
Ion Ratio Lower Upper
43 100
61 23.7 20.4 30.6
87 11.3 11.2 16.8

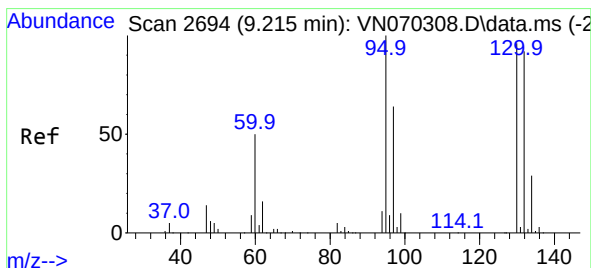
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

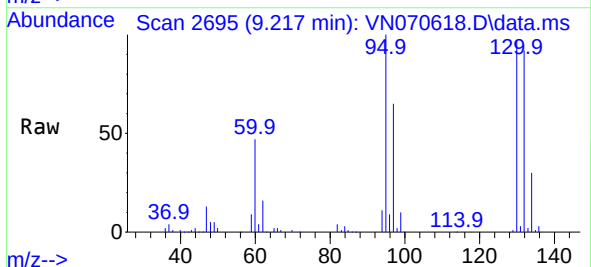


01/17/2022
Supervised By :Mahesh
Dadoda

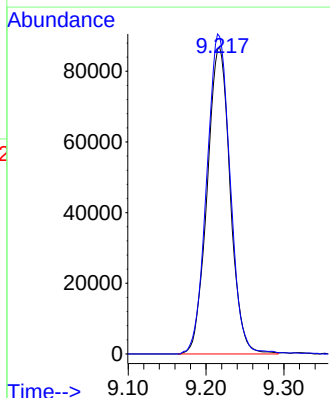
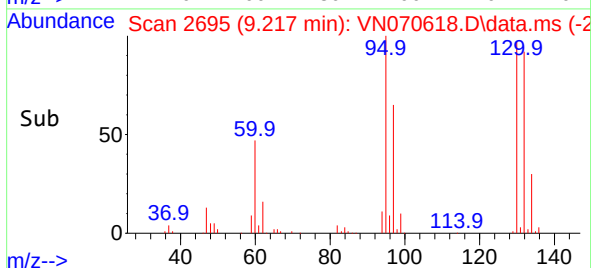
01/18/2022

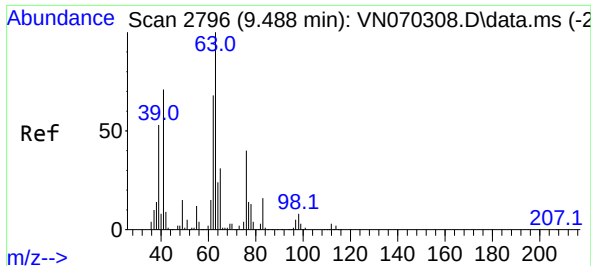


#44
Trichloroethene
Concen: 18.909 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.002 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



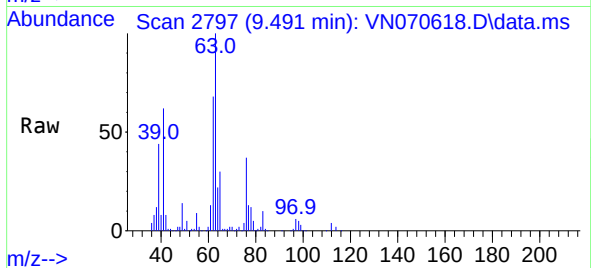
Tgt Ion:130 Resp: 178221
Ion Ratio Lower Upper
130 100
95 103.3 0.0 191.2





#45
1,2-Dichloropropane
Concen: 21.204 ug/l
RT: 9.491 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

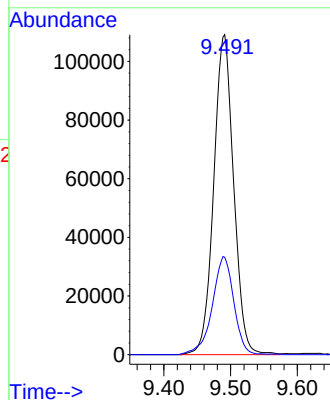
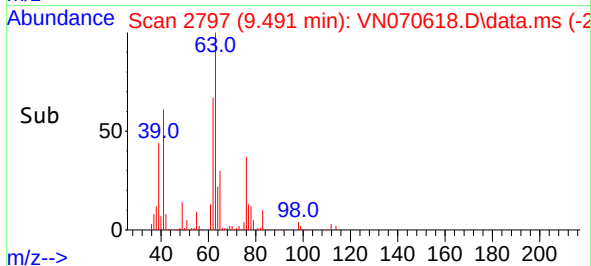
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01



Tgt Ion: 63 Resp: 226459
Ion Ratio Lower Upper
63 100
65 30.3 24.7 37.1

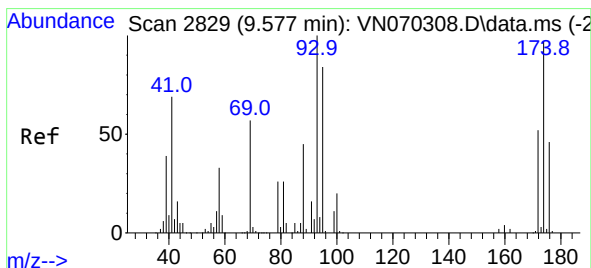
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



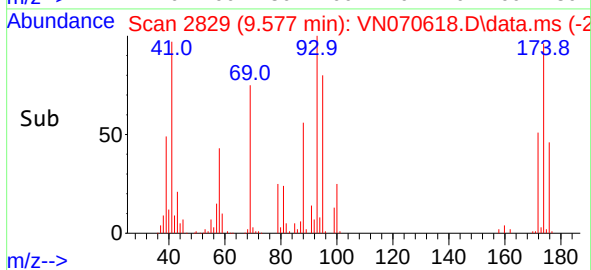
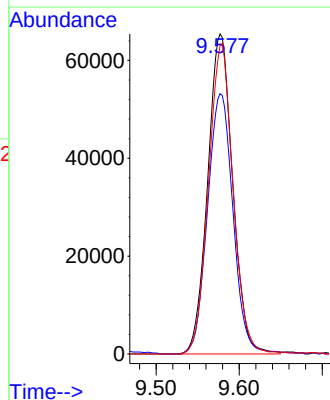
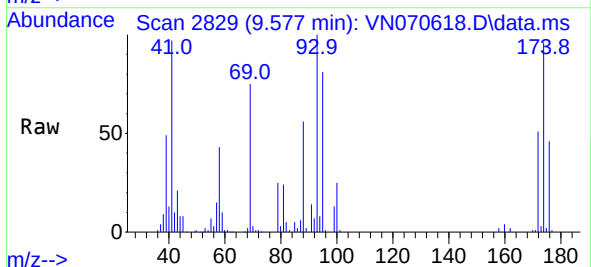
01/17/2022
Supervised By :Mahesh
Dadoda

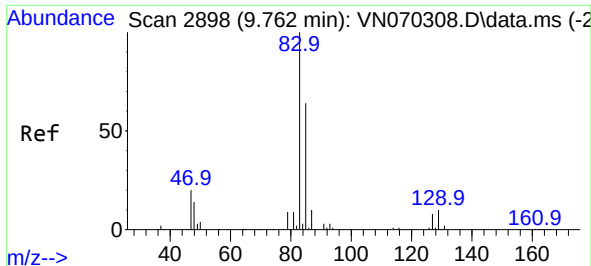
01/18/2022



#46
Dibromomethane
Concen: 20.585 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

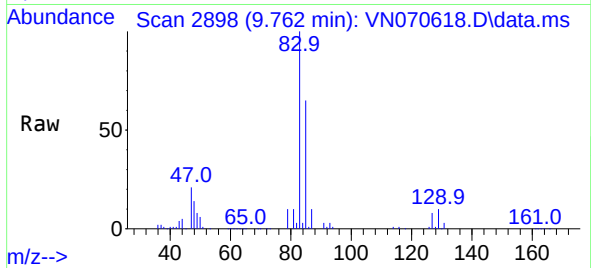
Tgt Ion: 93 Resp: 136708
Ion Ratio Lower Upper
93 100
95 83.3 65.9 98.9
174 95.2 84.6 127.0





#47
Bromodichloromethane
Concen: 20.666 ug/l
RT: 9.762 min Scan# 2898
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

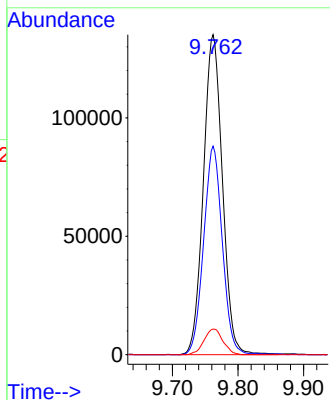
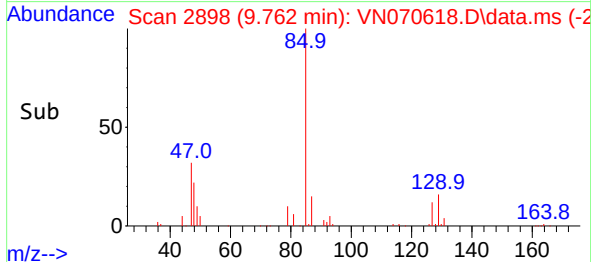
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01



Tgt Ion: 83 Resp: 272514
Ion Ratio Lower Upper
83 100
85 65.2 50.9 76.3
127 8.0 7.1 10.7

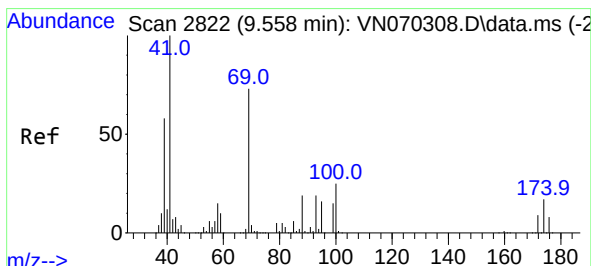
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

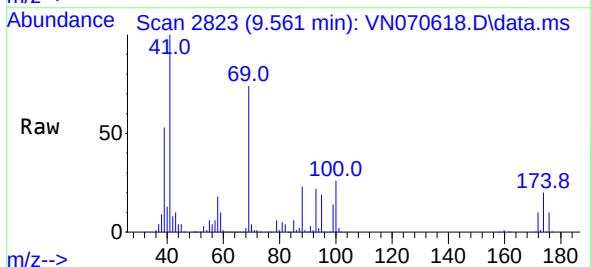


01/17/2022
Supervised By :Mahesh
Dadoda

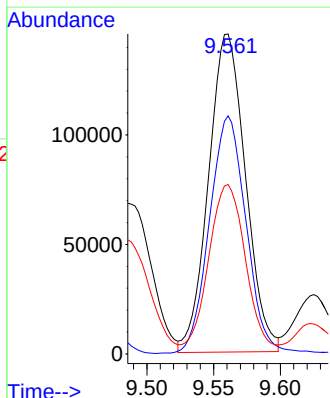
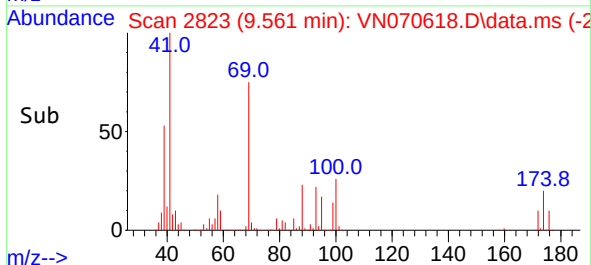
01/18/2022

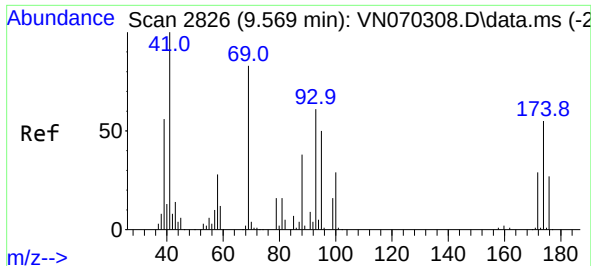


#48
Methyl methacrylate
Concen: 22.237 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



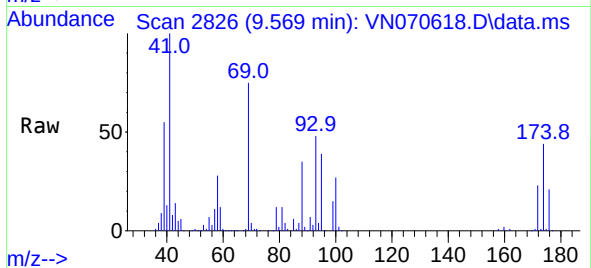
Tgt Ion: 41 Resp: 280460
Ion Ratio Lower Upper
41 100
69 74.1 72.4 108.6
39 53.2 58.4 87.6#





#49
1,4-Dioxane
Concen: 480.917 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

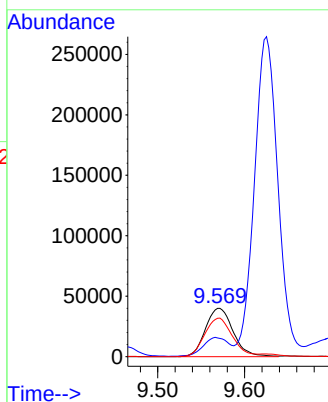
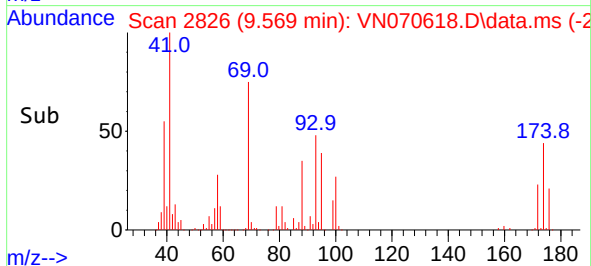
Instrument : MSVOA_N
ClientSampleId : VN0114MBSD01



Tgt Ion: 88 Resp: 88788
Ion Ratio Lower Upper
88 100
43 35.8 23.4 35.2
58 80.2 50.6 75.8

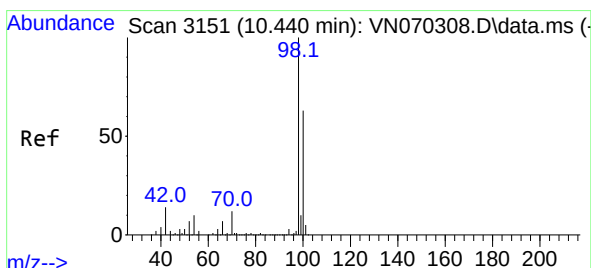
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



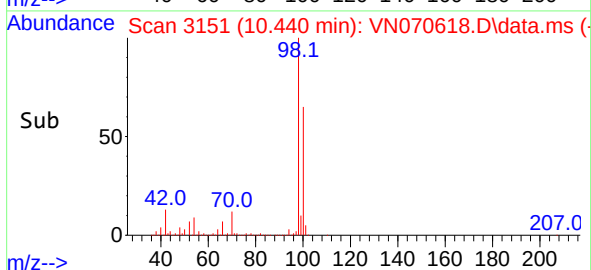
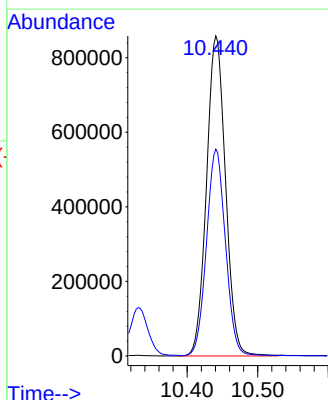
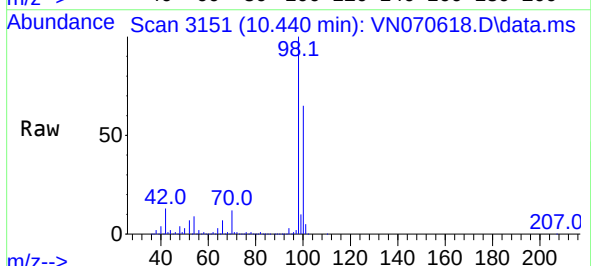
01/17/2022
Supervised By :Mahesh
Dadoda

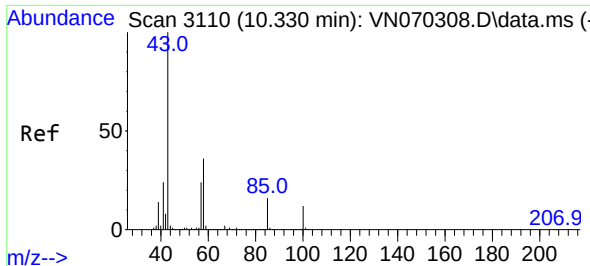
01/18/2022



#50
Toluene-d8
Concen: 50.366 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

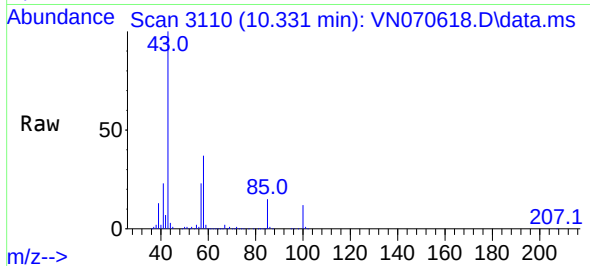
Tgt Ion: 98 Resp: 1609222
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6





#51
4-Methyl-2-Pentanone
Concen: 119.167 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.001 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

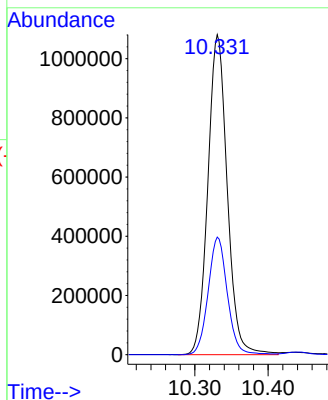
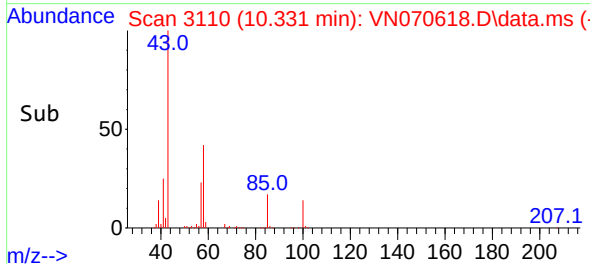
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 43 Resp: 1979938
Ion Ratio Lower Upper
43 100
58 36.5 30.4 45.6

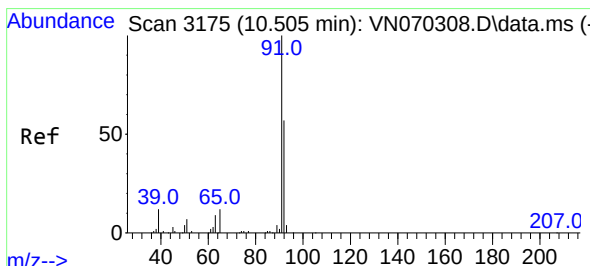
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



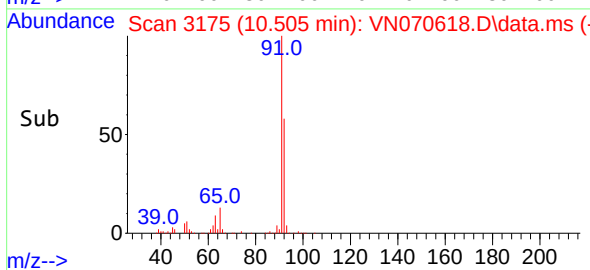
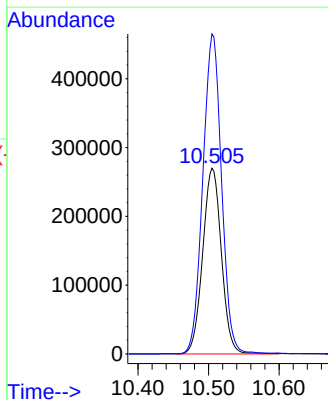
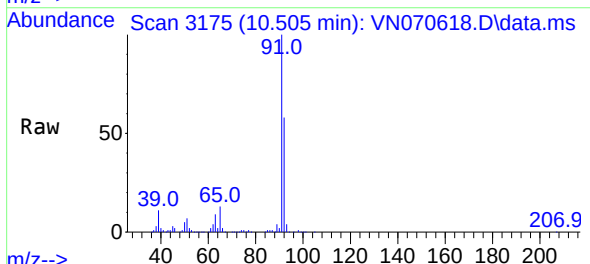
01/17/2022
Supervised By :Mahesh
Dadoda

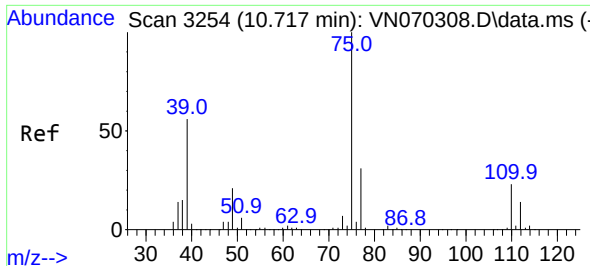
01/18/2022



#52
Toluene
Concen: 20.685 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

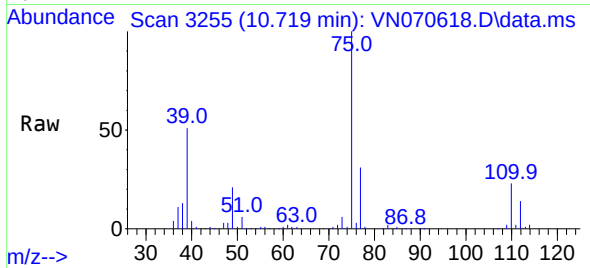
Tgt Ion: 92 Resp: 496646
Ion Ratio Lower Upper
92 100
91 172.3 142.0 213.0





#53
t-1,3-Dichloropropene
Concen: 20.651 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

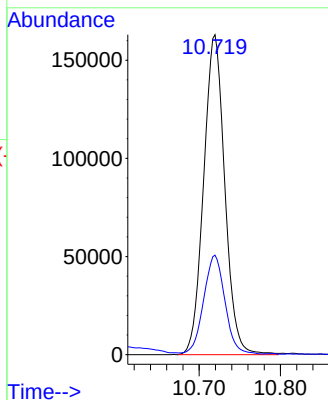
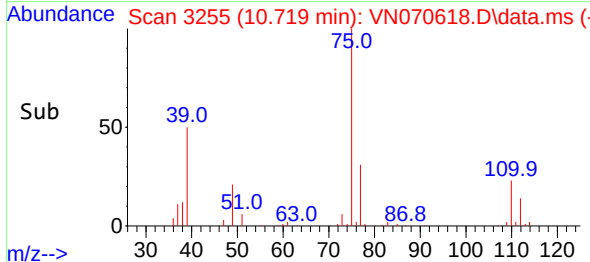
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 75 Resp: 29481
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4

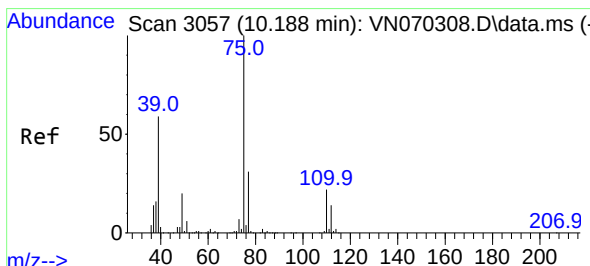
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

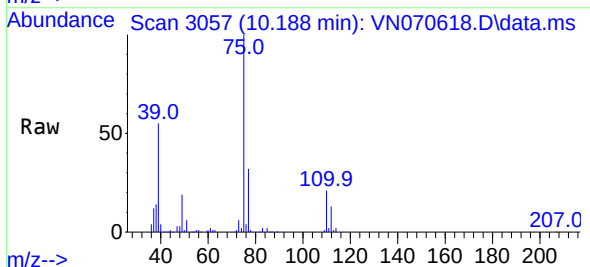


01/17/2022
Supervised By :Mahesh
Dadoda

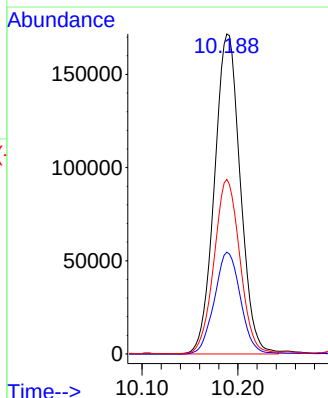
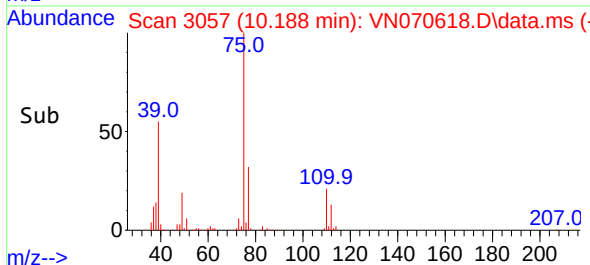
01/18/2022

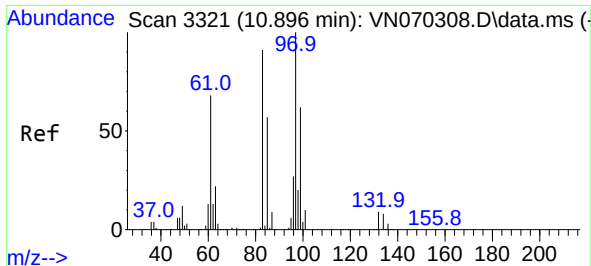


#54
cis-1,3-Dichloropropene
Concen: 20.764 ug/l
RT: 10.188 min Scan# 3057
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



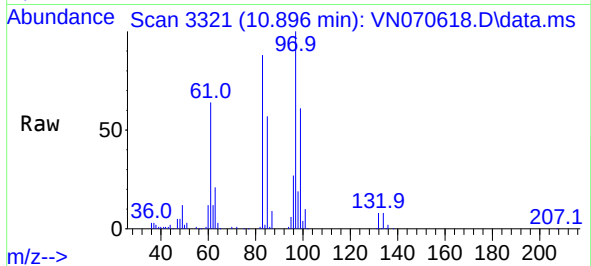
Tgt Ion: 75 Resp: 320653
Ion Ratio Lower Upper
75 100
77 31.8 26.4 39.6
39 54.4 42.5 63.7





#55
1,1,2-Trichloroethane
Concen: 21.475 ug/l
RT: 10.896 min Scan# 311
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

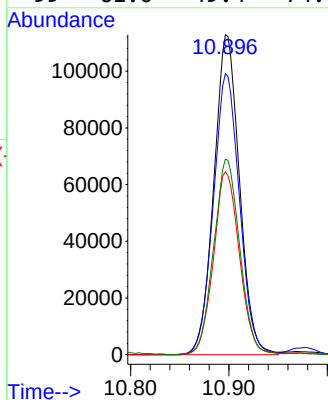
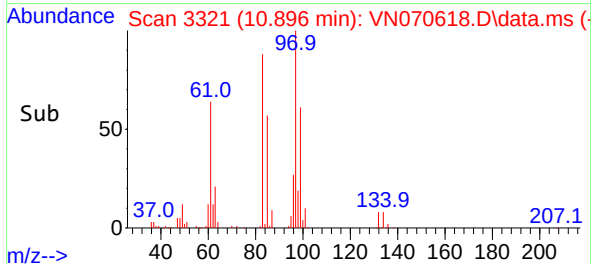
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 97 Resp: 204009
Ion Ratio Lower Upper
97 100
83 87.8 67.8 101.6
85 57.2 45.4 68.2
99 61.0 49.4 74.0

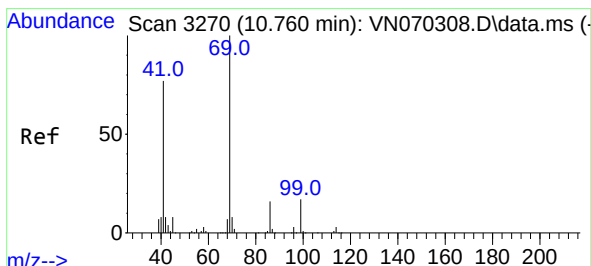
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

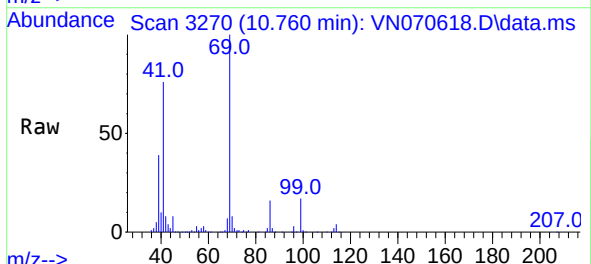


01/17/2022
Supervised By :Mahesh
Dadoda

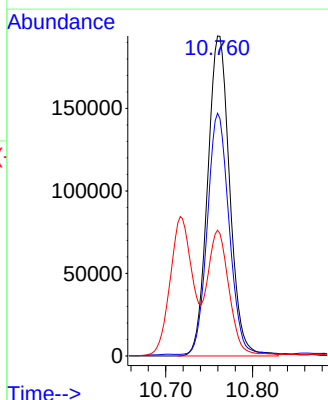
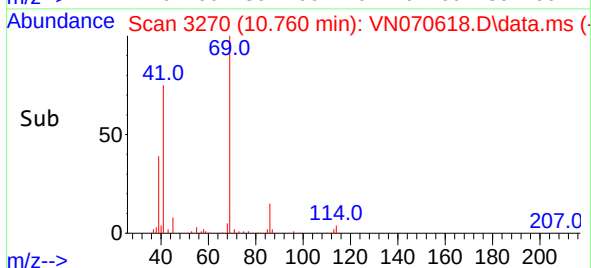
01/18/2022

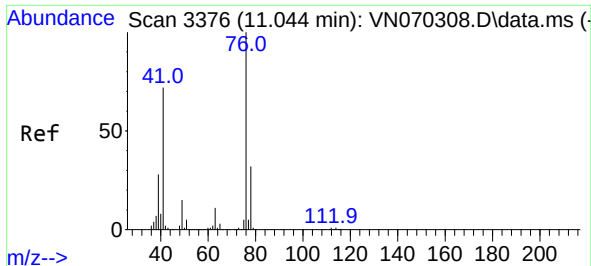


#56
Ethyl methacrylate
Concen: 21.801 ug/l
RT: 10.760 min Scan# 3270
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



Tgt Ion: 69 Resp: 342203
Ion Ratio Lower Upper
69 100
41 74.2 51.4 77.0
39 36.5 34.6 52.0





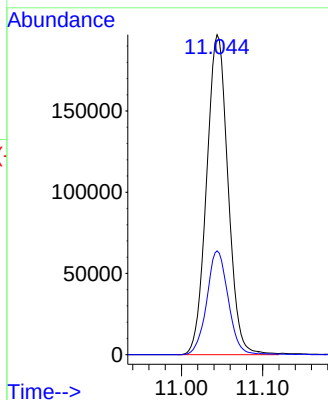
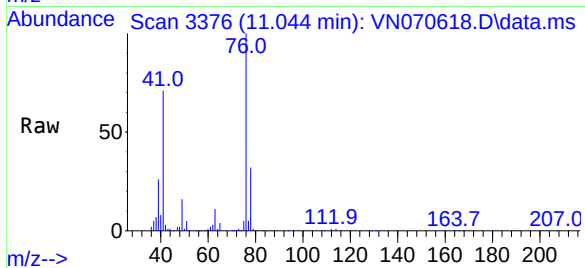
#57
1,3-Dichloropropane
Concen: 21.462 ug/l
RT: 11.044 min Scan# 3376
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01

Tgt Ion: 76 Resp: 36061
Ion Ratio Lower Upper
76 100
78 32.3 25.7 38.5

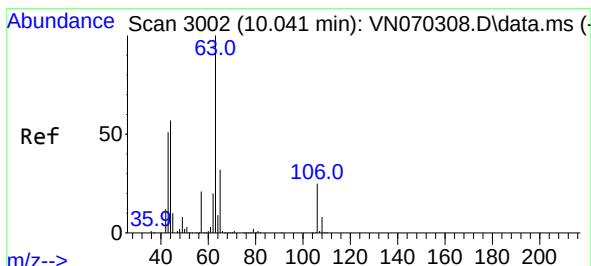
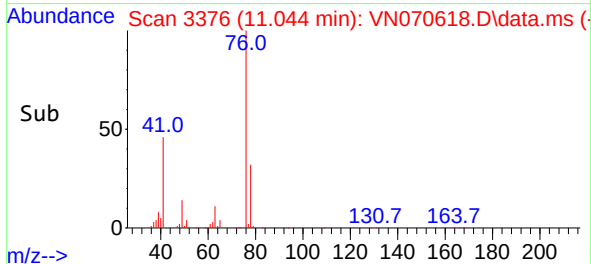
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



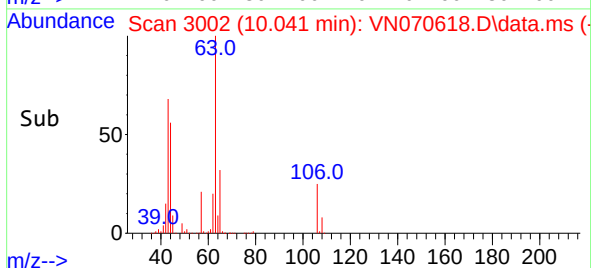
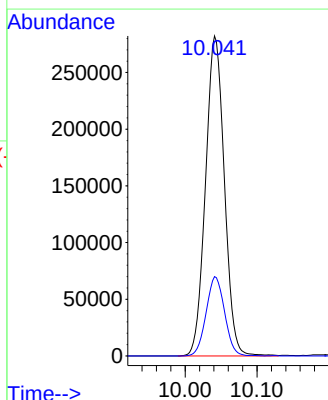
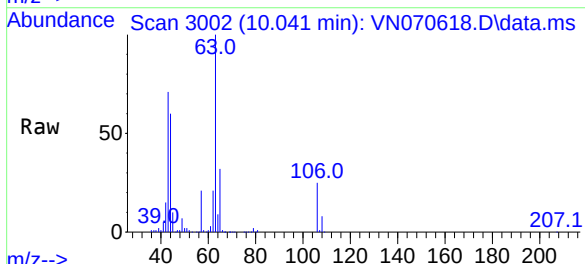
01/17/2022
Supervised By :Mahesh
Dadoda

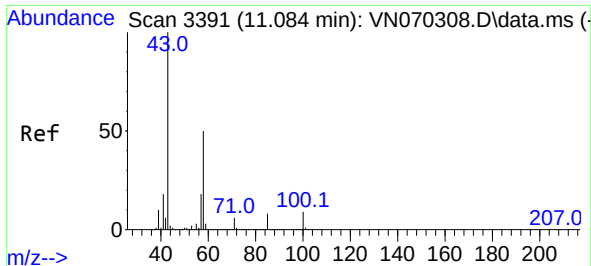
01/18/2022



#58
2-Chloroethyl Vinyl ether
Concen: 137.401 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

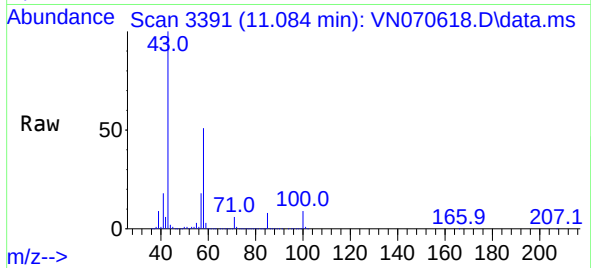
Tgt Ion: 63 Resp: 514793
Ion Ratio Lower Upper
63 100
106 24.3 23.9 35.9





#59
2-Hexanone
Concen: 119.884 ug/l
RT: 11.084 min Scan# 3391
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

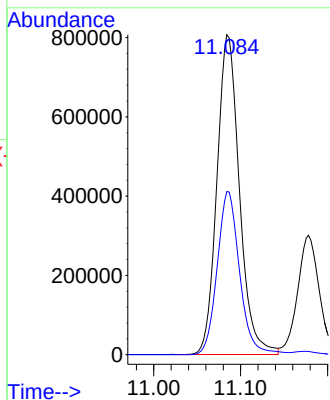
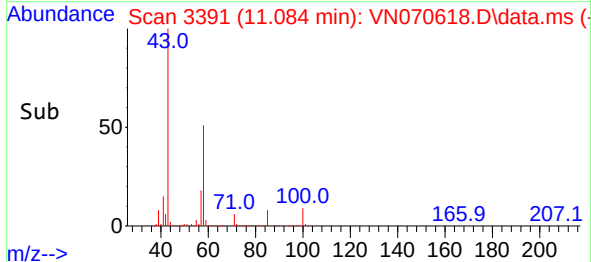
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 43 Resp: 1452550
Ion Ratio Lower Upper
43 100
58 50.8 26.9 80.7

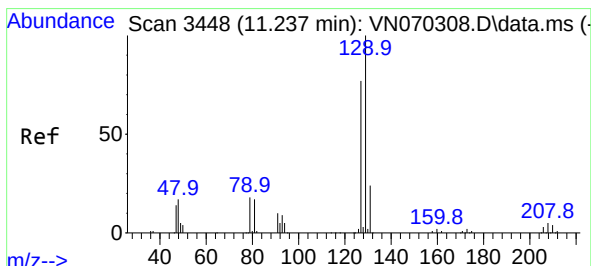
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



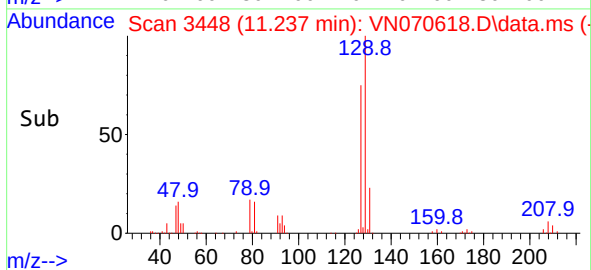
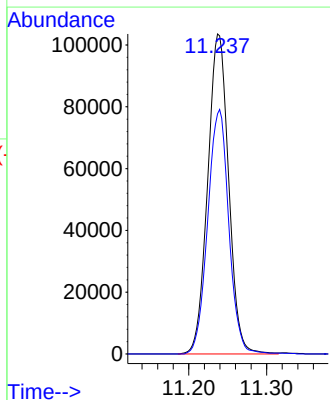
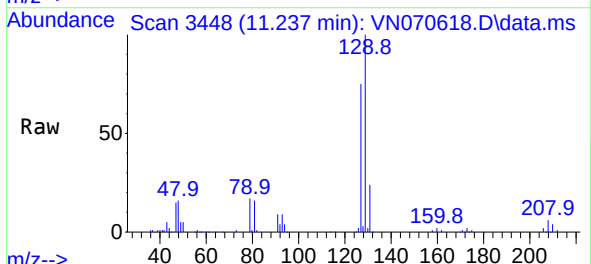
01/17/2022
Supervised By :Mahesh
Dadoda

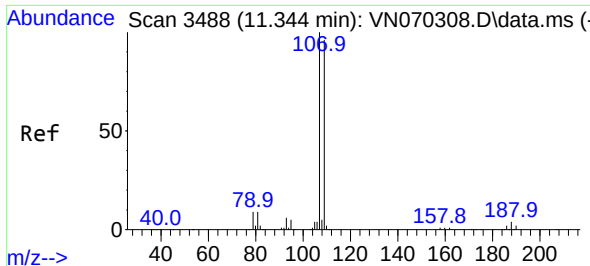
01/18/2022



#60
Dibromochloromethane
Concen: 20.855 ug/l
RT: 11.237 min Scan# 3448
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

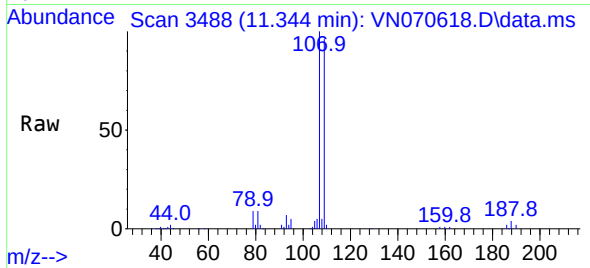
Tgt Ion:129 Resp: 193297
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





#61
1,2-Dibromoethane
Concen: 20.815 ug/l
RT: 11.344 min Scan# 3488
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

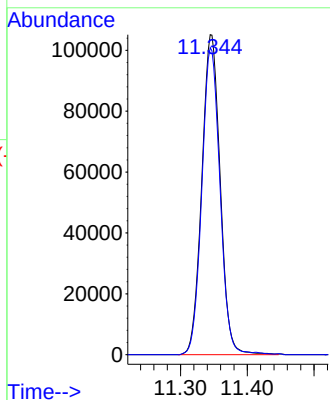
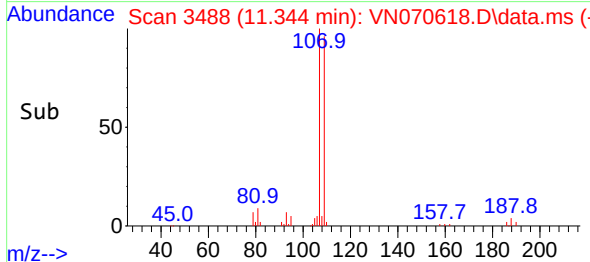
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion:107 Resp: 200780
Ion Ratio Lower Upper
107 100
109 94.4 75.7 113.5

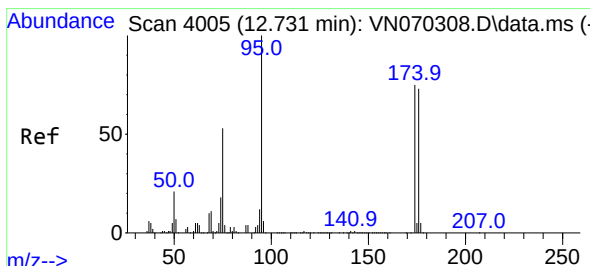
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

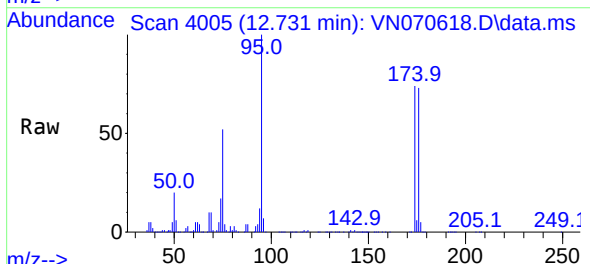


01/17/2022
Supervised By :Mahesh
Dadoda

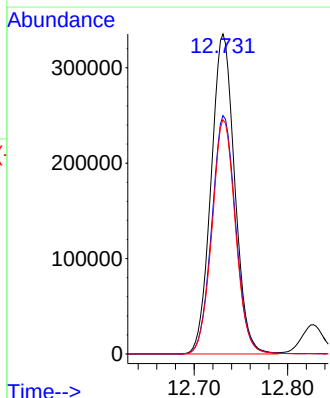
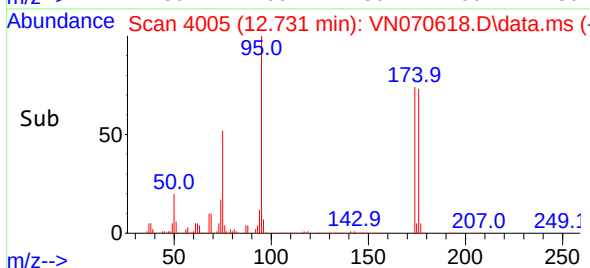
01/18/2022

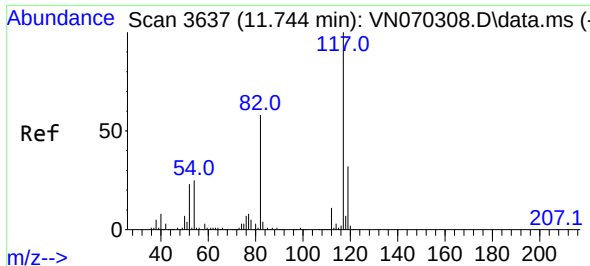


#62
4-Bromofluorobenzene
Concen: 51.014 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



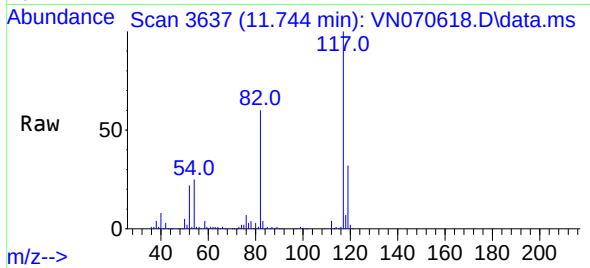
Tgt Ion: 95 Resp: 588704
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 72.9 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

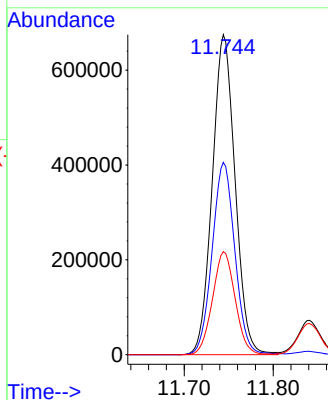
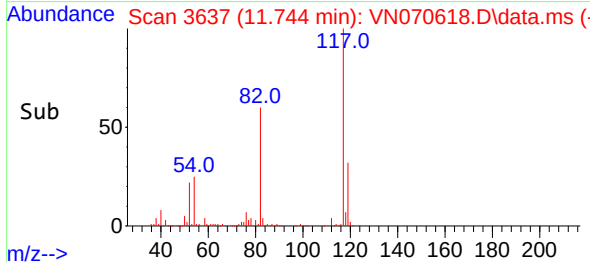
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01



Tgt Ion:117 Resp: 1203798
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 32.2 25.4 38.2

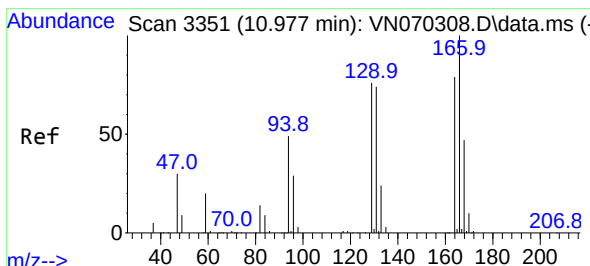
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

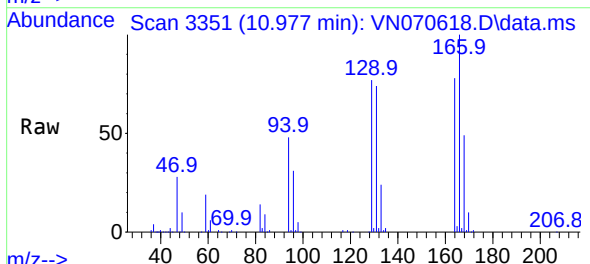


01/17/2022
Supervised By :Mahesh
Dadoda

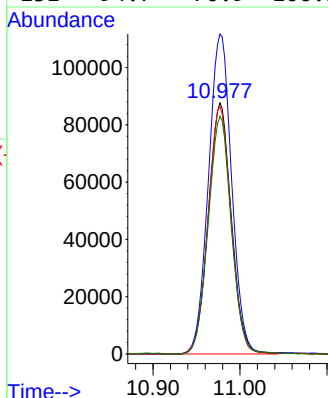
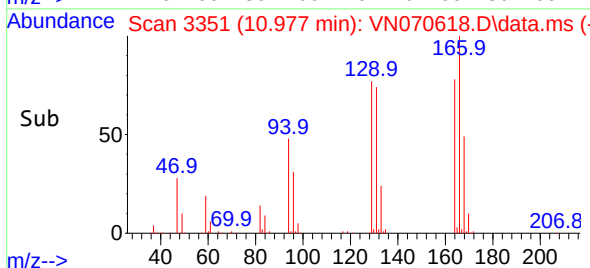
01/18/2022

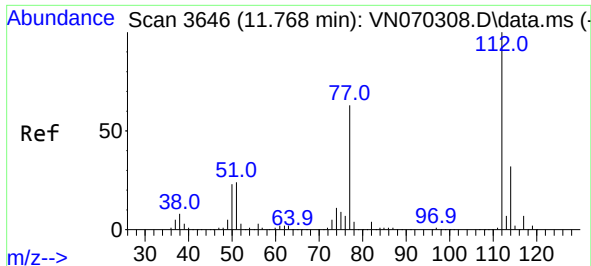


#64
Tetrachloroethene
Concen: 18.528 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



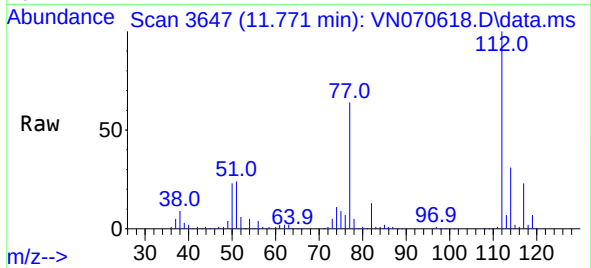
Tgt Ion:164 Resp: 161510
Ion Ratio Lower Upper
164 100
166 127.5 101.9 152.9
129 98.6 72.0 108.0
131 94.7 70.9 106.3





#65
Chlorobenzene
Concen: 20.023 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

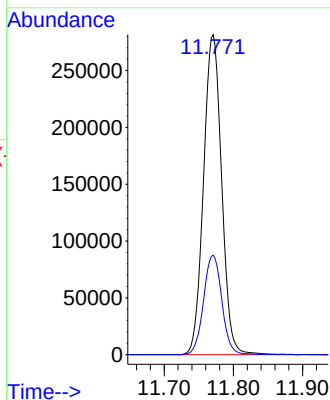
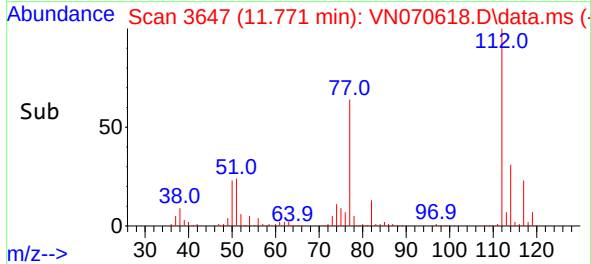
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion:112 Resp: 511430
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.0

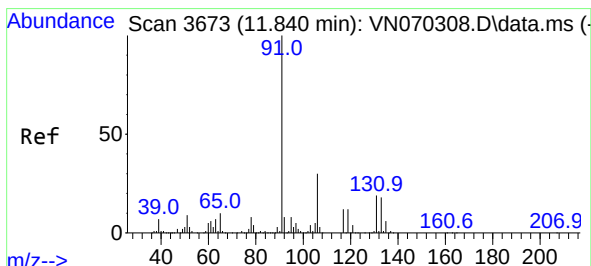
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

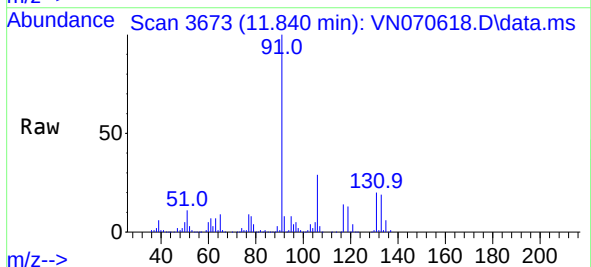


01/17/2022
Supervised By :Mahesh
Dadoda

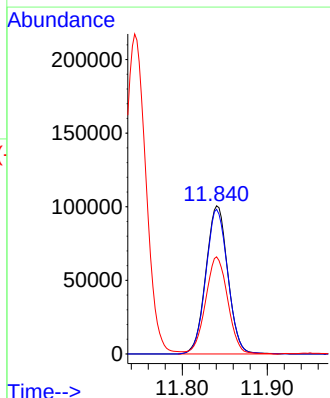
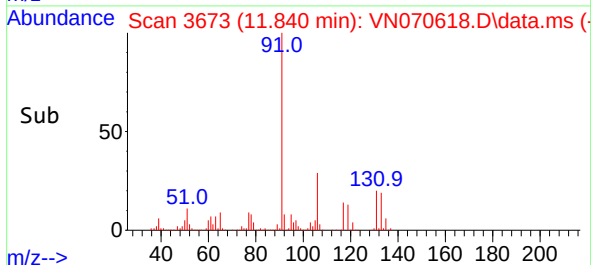
01/18/2022

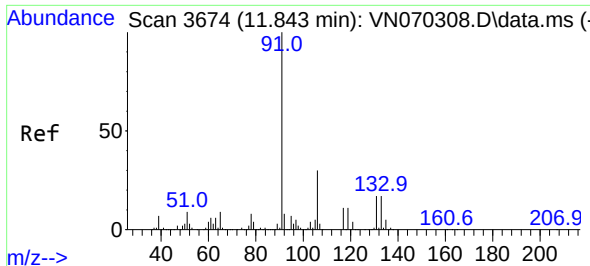


#66
1,1,1,2-Tetrachloroethane
Concen: 19.836 ug/l
RT: 11.840 min Scan# 3673
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



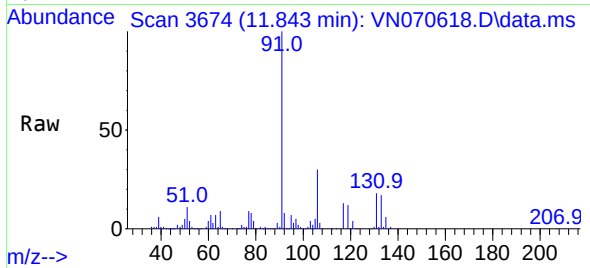
Tgt Ion:131 Resp: 180870
Ion Ratio Lower Upper
131 100
133 97.5 47.9 143.7
119 66.4 32.1 96.5





#67
Ethyl Benzene
Concen: 20.097 ug/l
RT: 11.843 min Scan# 3074
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

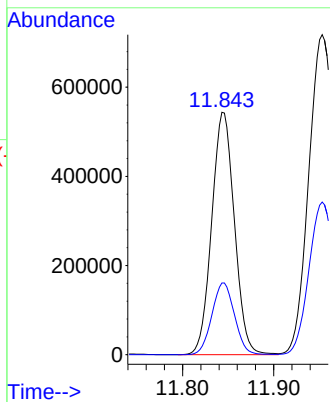
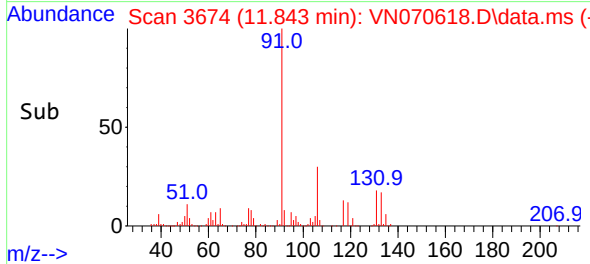
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 91 Resp: 940524
Ion Ratio Lower Upper
91 100
106 29.5 25.7 38.5

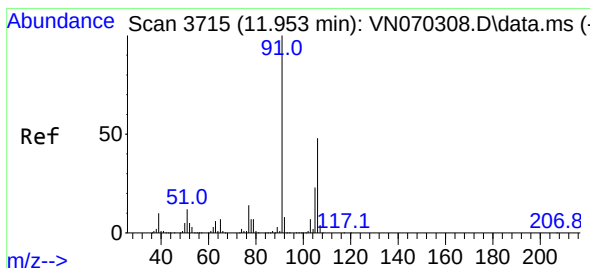
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

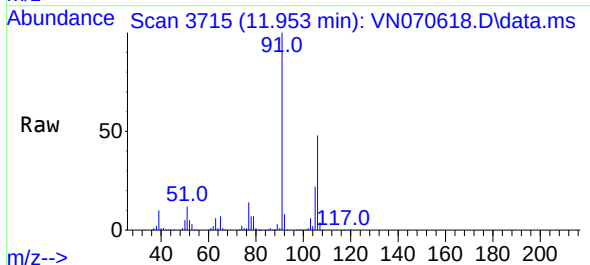


01/17/2022
Supervised By :Mahesh
Dadoda

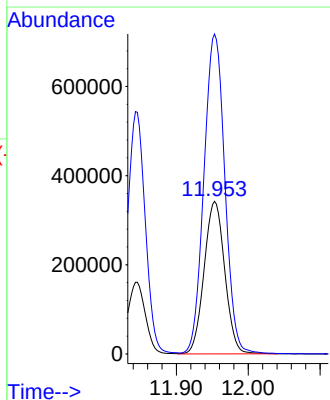
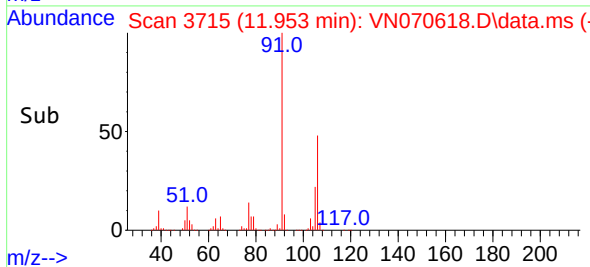
01/18/2022

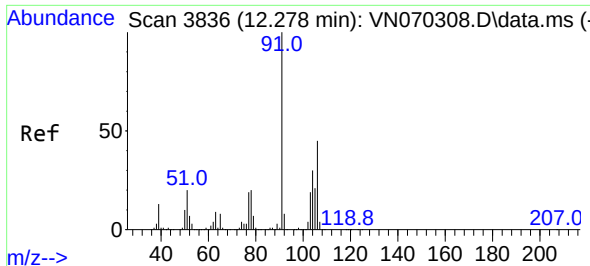


#68
m/p-Xylenes
Concen: 40.164 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



Tgt Ion:106 Resp: 684189
Ion Ratio Lower Upper
106 100
91 212.4 160.6 240.8





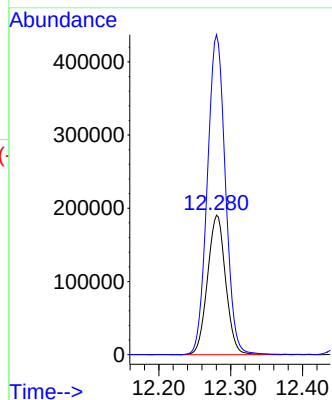
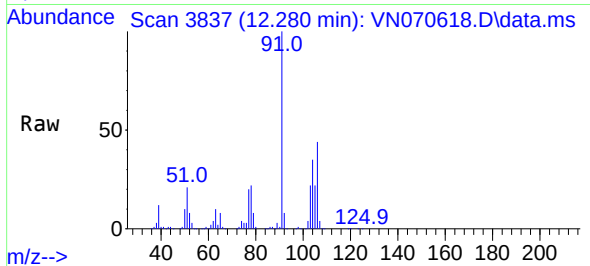
#69
o-Xylene
Concen: 19.719 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tgt Ion:106 Resp: 334120
Ion Ratio Lower Upper
106 100
91 228.9 105.8 317.3

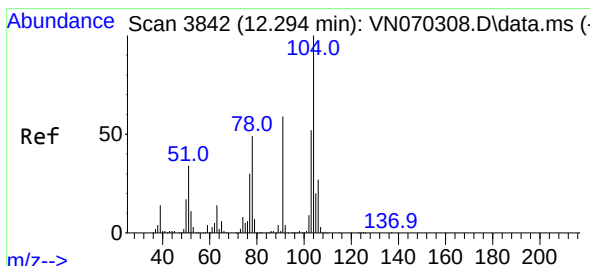
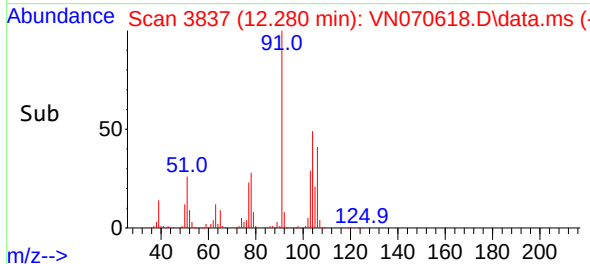
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



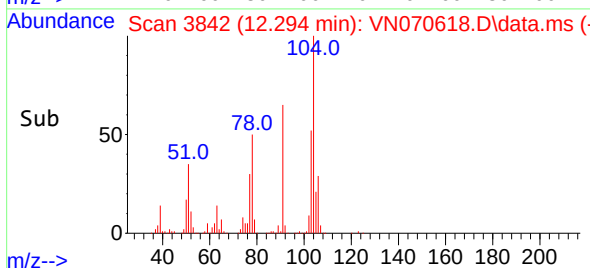
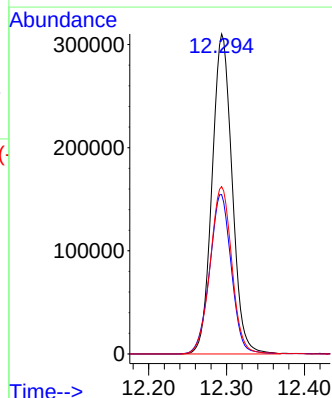
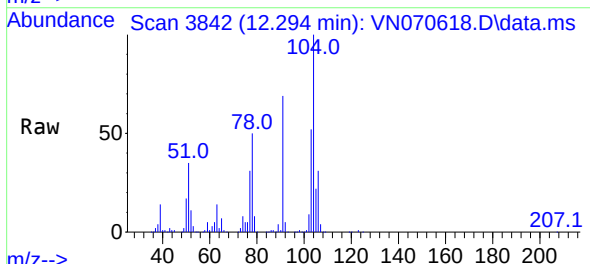
01/17/2022
Supervised By :Mahesh
Dadoda

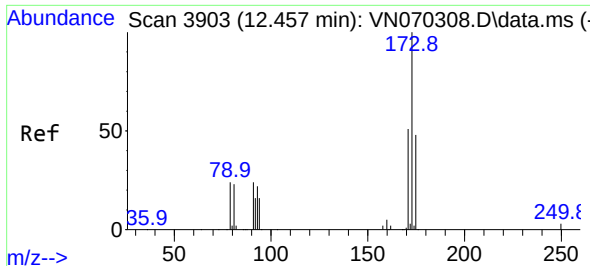
01/18/2022



#70
Styrene
Concen: 20.701 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

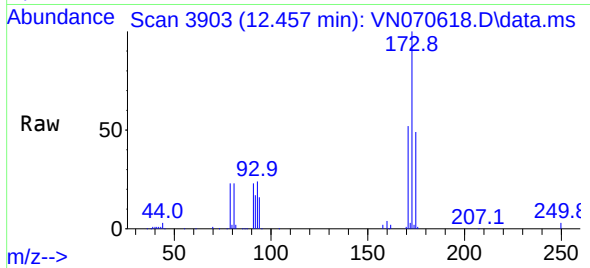
Tgt Ion:104 Resp: 555156
Ion Ratio Lower Upper
104 100
78 53.7 38.7 58.1
103 56.6 45.0 67.6





#71
Bromoform
Concen: 21.159 ug/l
RT: 12.457 min Scan# 3903
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

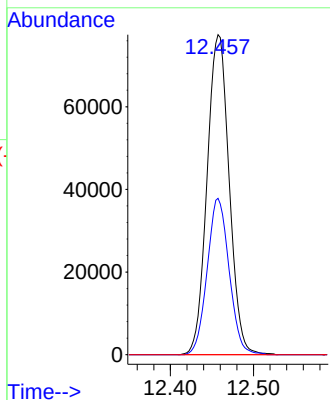
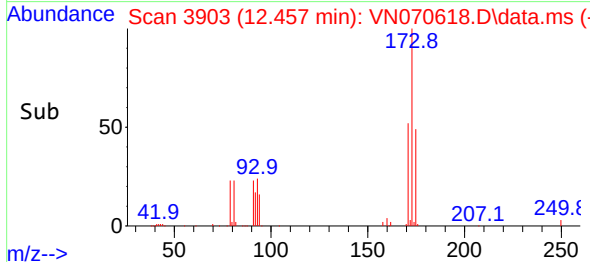
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion:173 Resp: 14319
Ion Ratio Lower Upper
173 100
175 48.5 24.2 72.6
254 0.0 0.0 0.0

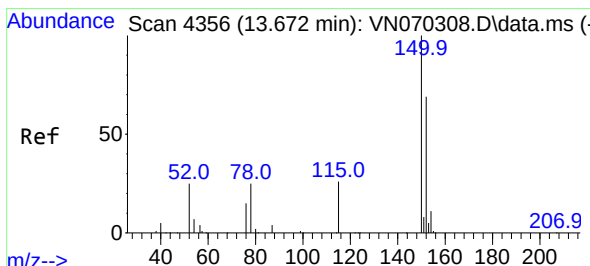
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

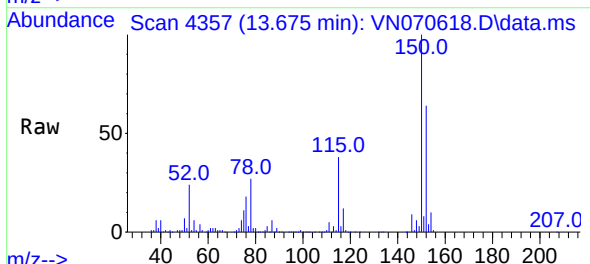


01/17/2022
Supervised By :Mahesh
Dadoda

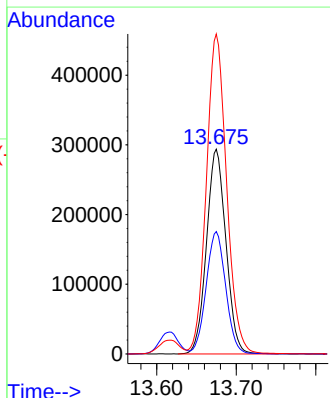
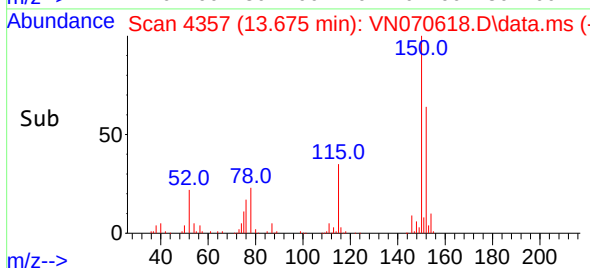
01/18/2022

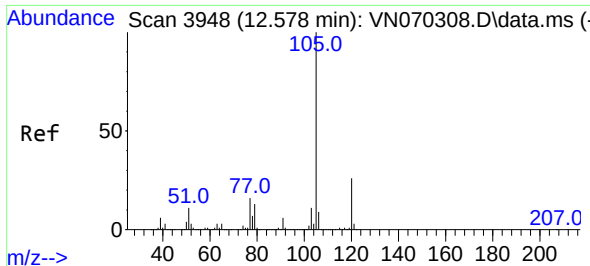


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



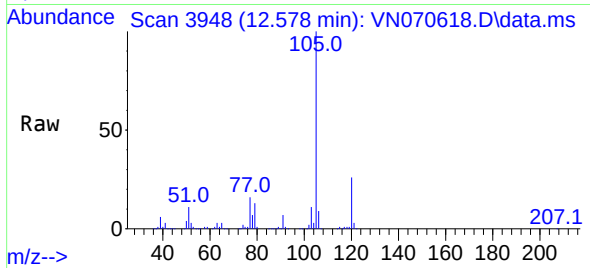
Tgt Ion:152 Resp: 499202
Ion Ratio Lower Upper
152 100
115 60.1 27.5 82.5
150 162.5 0.0 344.4





#73
Isopropylbenzene
Concen: 19.231 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

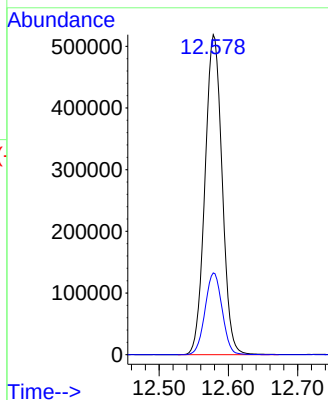
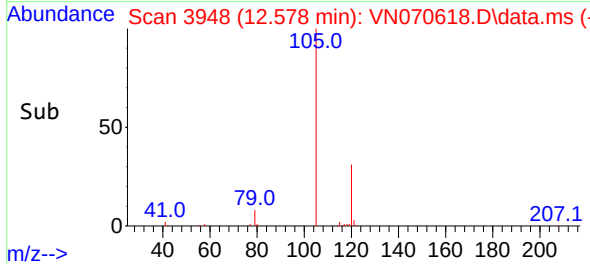
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01



Tgt Ion:105 Resp: 891528
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.1

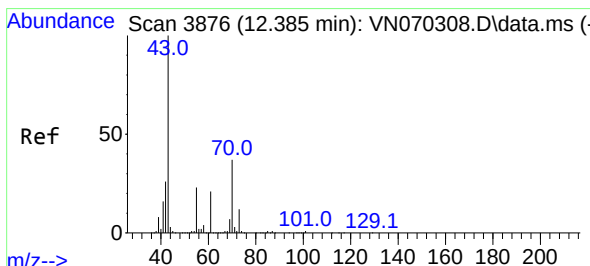
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

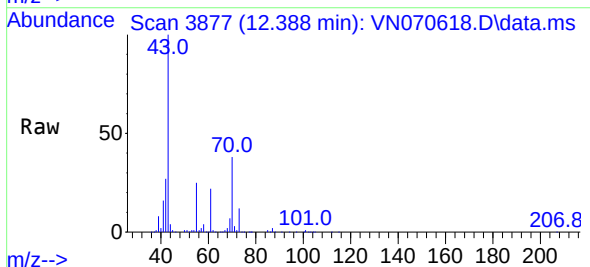


01/17/2022
Supervised By :Mahesh
Dadoda

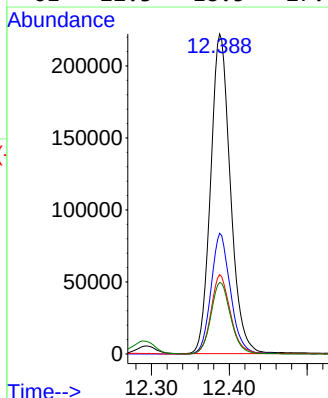
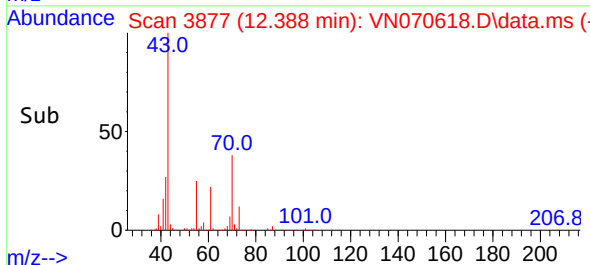
01/18/2022

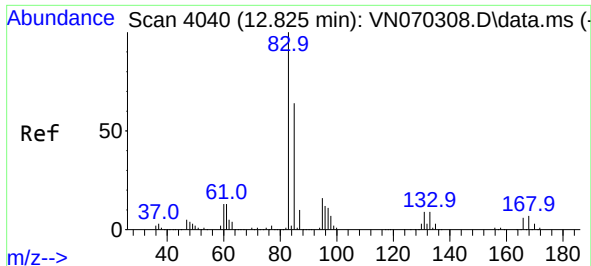


#74
N-ethyl acetate
Concen: 20.062 ug/l
RT: 12.388 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



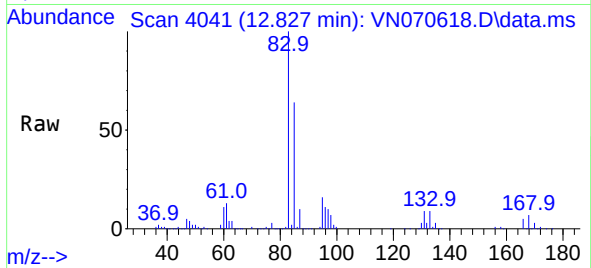
Tgt Ion: 43 Resp: 391060
Ion Ratio Lower Upper
43 100
70 37.1 33.4 50.0
55 24.4 19.3 28.9
61 22.3 18.5 27.7





#75
1,1,2,2-Tetrachloroethane
Concen: 20.870 ug/l
RT: 12.827 min Scan# 4040
Delta R.T. 0.002 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

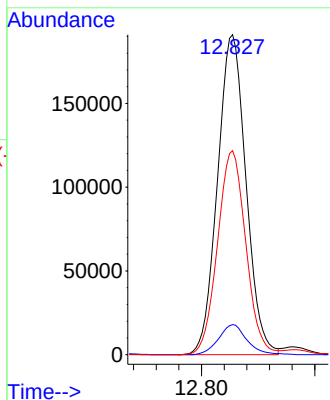
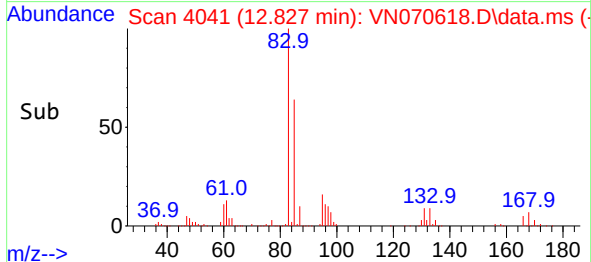
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01



Tgt Ion: 83 Resp: 333200
Ion Ratio Lower Upper
83 100
131 9.3 5.5 16.5
85 63.4 32.4 97.2

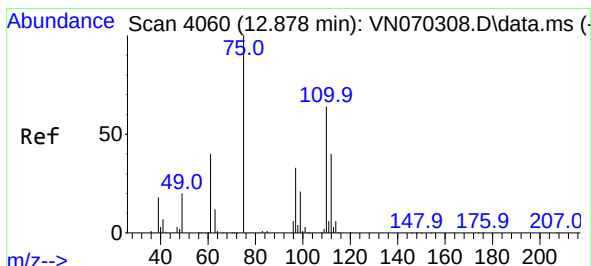
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

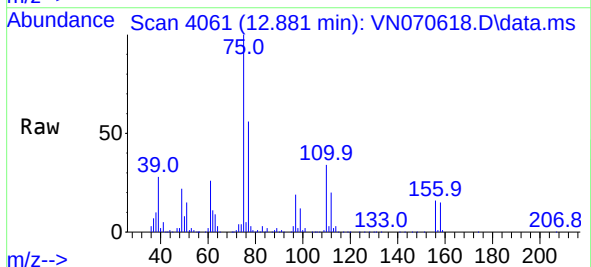


01/17/2022
Supervised By :Mahesh
Dadoda

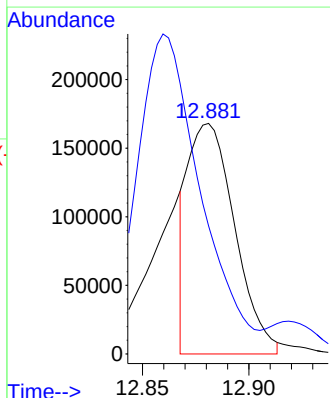
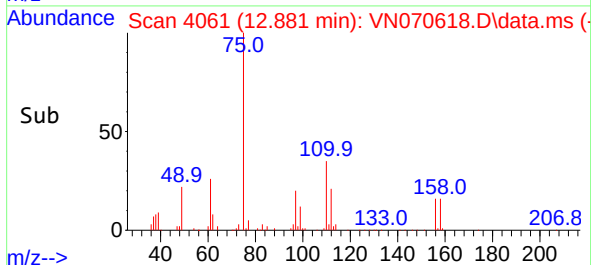
01/18/2022

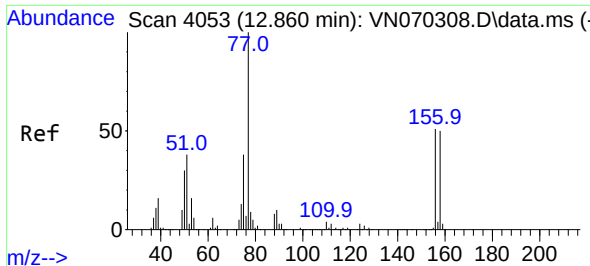


#76
1,2,3-Trichloropropane
Concen: 19.261 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



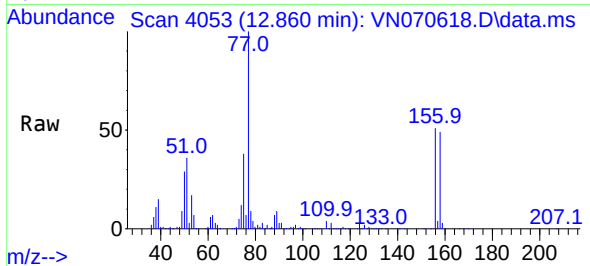
Tgt Ion: 75 Resp: 258382
Ion Ratio Lower Upper
75 100
77 0.0 82.6 247.8#





#77
Bromobenzene
Concen: 19.447 ug/l
RT: 12.860 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

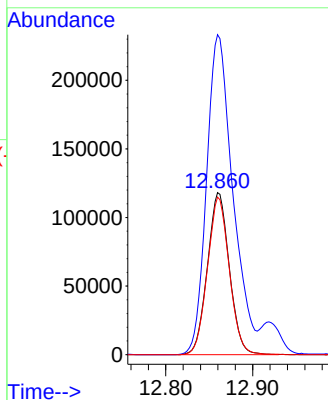
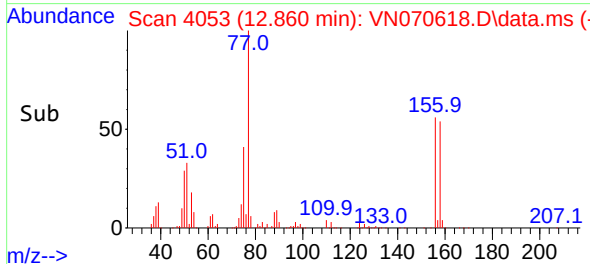
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion:156 Resp: 206979
Ion Ratio Lower Upper
156 100
77 236.4 90.6 271.8
158 97.1 48.9 146.7

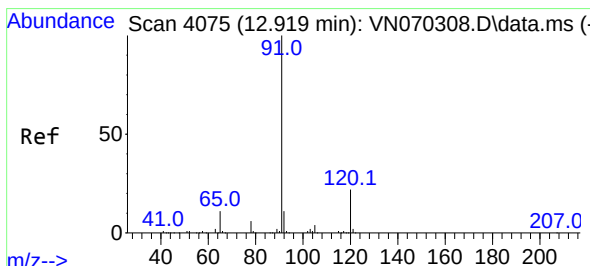
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

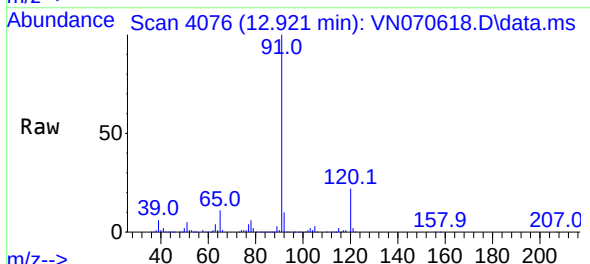


01/17/2022
Supervised By :Mahesh
Dadoda

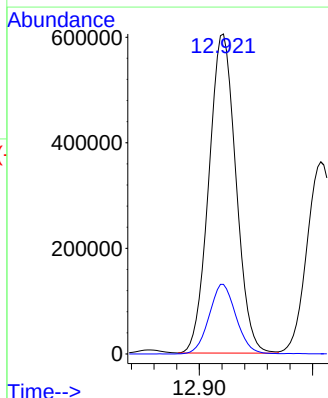
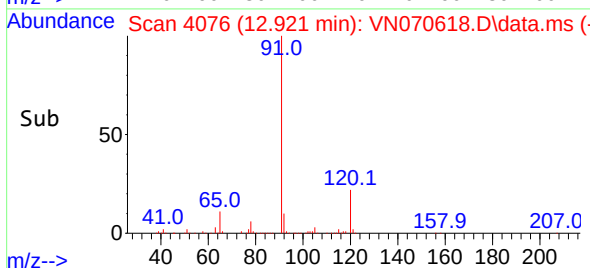
01/18/2022

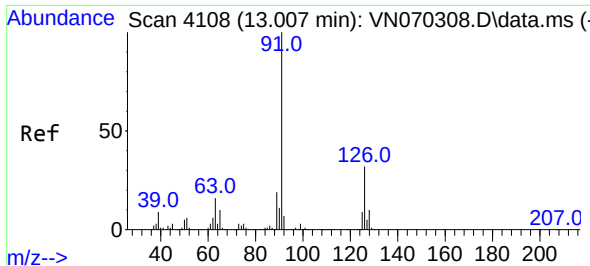


#78
n-propylbenzene
Concen: 19.553 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.002 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



Tgt Ion: 91 Resp: 1004322
Ion Ratio Lower Upper
91 100
120 21.7 11.9 35.9





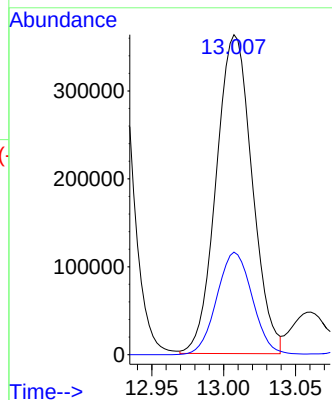
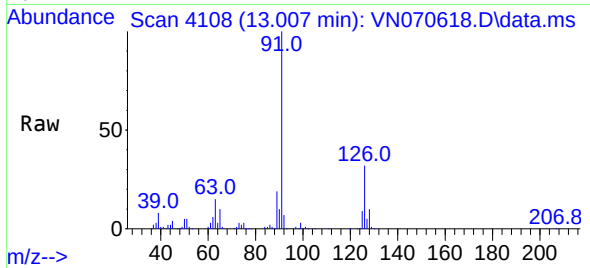
#79
2-Chlorotoluene
Concen: 19.131 ug/l
RT: 13.007 min Scan# 4108
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tgt Ion: 91 Resp: 63049
Ion Ratio Lower Upper
91 100
126 31.8 18.3 54.8

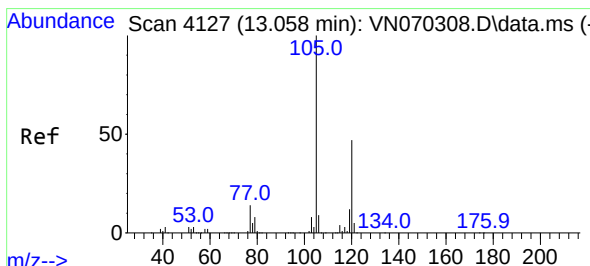
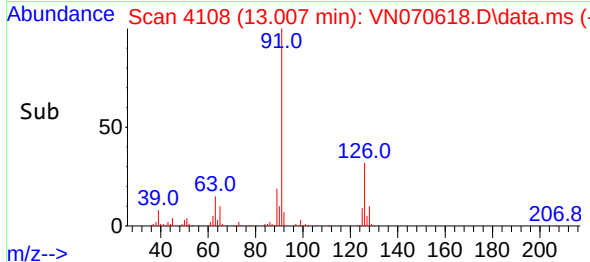
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



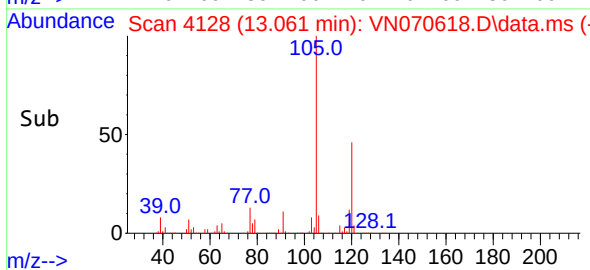
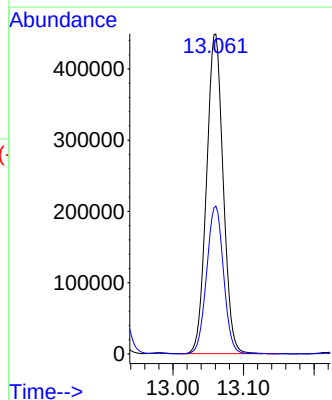
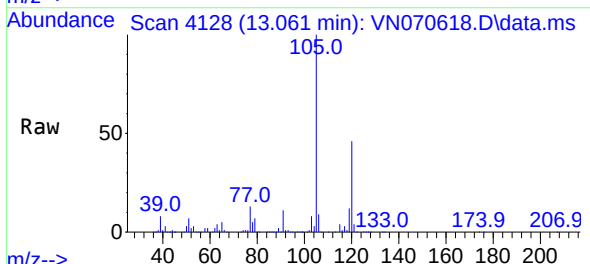
01/17/2022
Supervised By :Mahesh
Dadoda

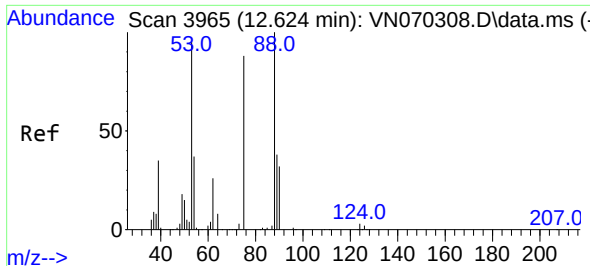
01/18/2022



#80
1,3,5-Trimethylbenzene
Concen: 19.815 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

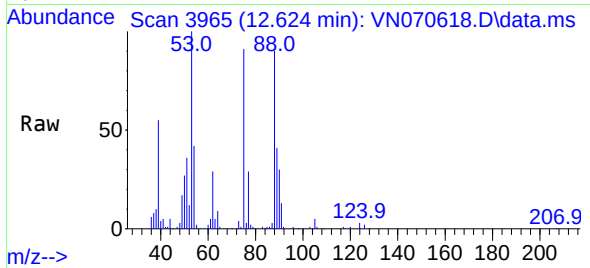
Tgt Ion:105 Resp: 736103
Ion Ratio Lower Upper
105 100
120 46.8 24.6 73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 21.467 ug/l
RT: 12.624 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

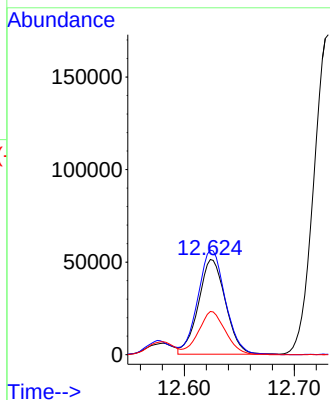
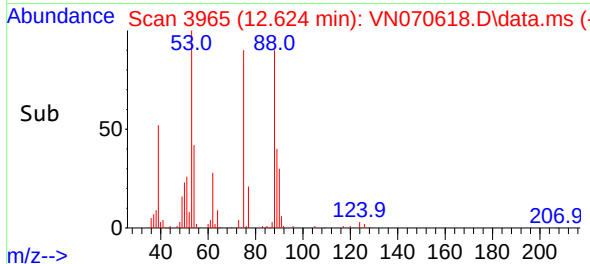
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion: 75 Resp: 87712
Ion Ratio Lower Upper
75 100
53 111.8 90.5 135.7
89 45.7 38.2 57.4

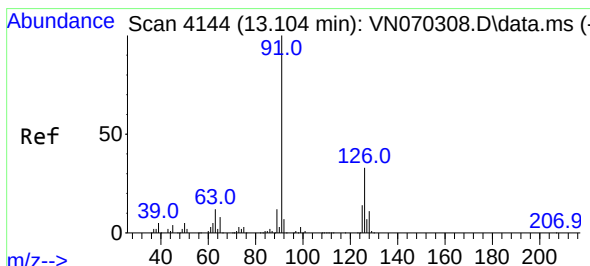
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

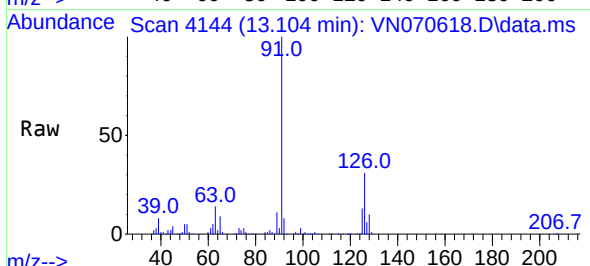


01/17/2022
Supervised By :Mahesh
Dadoda

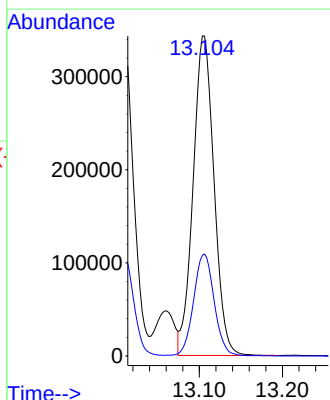
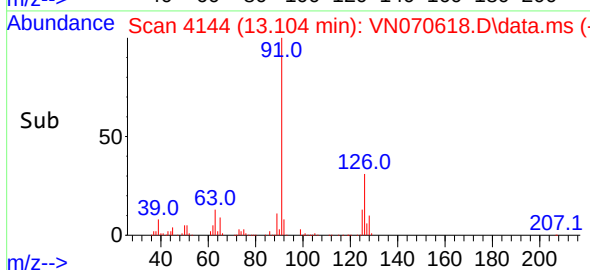
01/18/2022

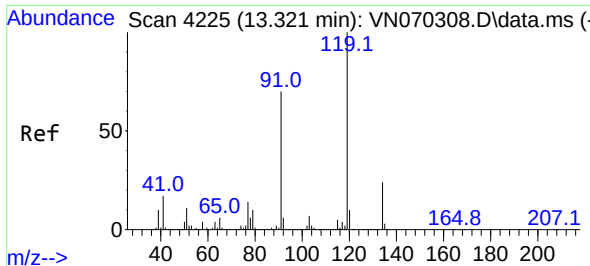


#82
4-Chlorotoluene
Concen: 19.428 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



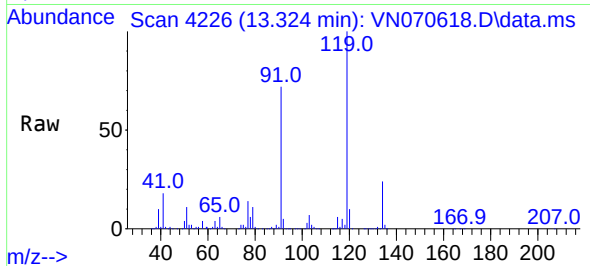
Tgt Ion: 91 Resp: 599747
Ion Ratio Lower Upper
91 100
126 31.6 18.2 54.6





#83
tert-Butylbenzene
Concen: 18.742 ug/l
RT: 13.324 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

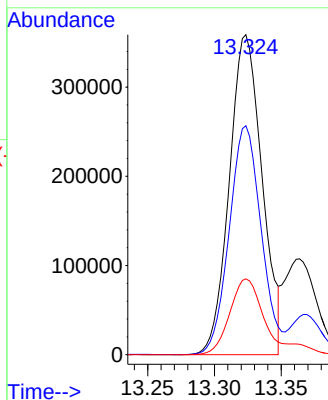
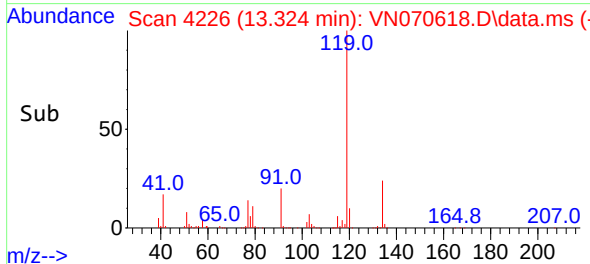
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01



Tgt Ion:119 Resp: 61308
Ion Ratio Lower Upper
119 100
91 70.4 31.5 94.5
134 26.3 12.4 37.4

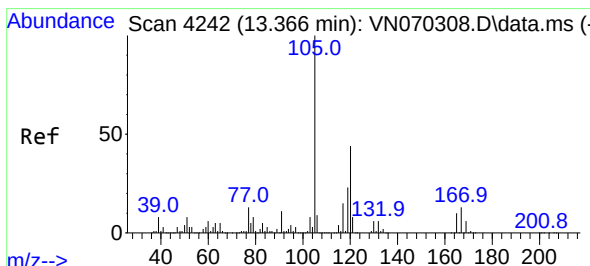
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

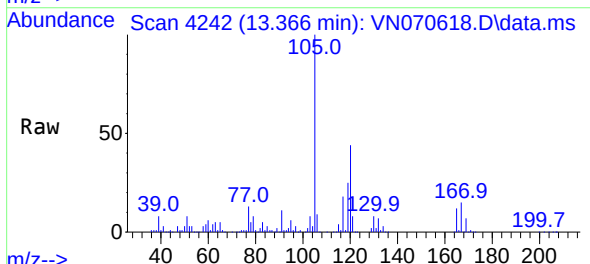


01/17/2022
Supervised By :Mahesh
Dadoda

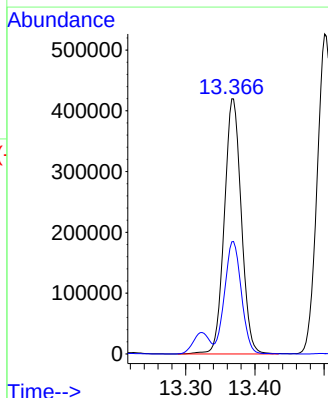
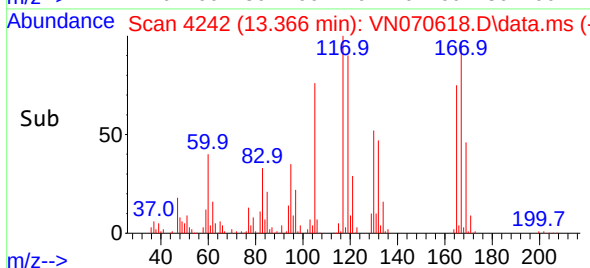
01/18/2022

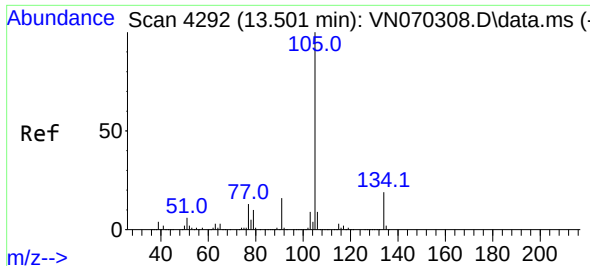


#84
1,2,4-Trimethylbenzene
Concen: 20.004 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. 0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



Tgt Ion:105 Resp: 715599
Ion Ratio Lower Upper
105 100
120 43.5 22.8 68.4





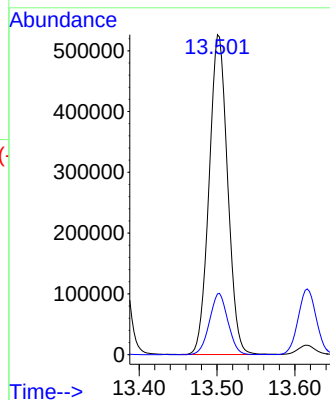
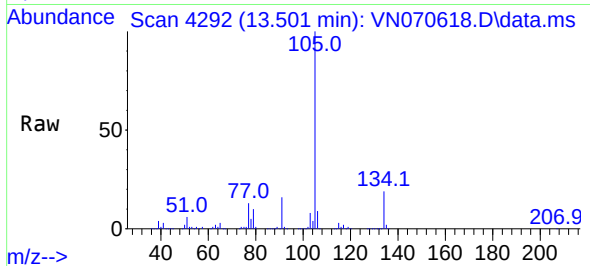
#85
 sec-Butylbenzene
 Concen: 19.531 ug/l
 RT: 13.501 min Scan# 4292
 Delta R.T. -0.000 min
 Lab File: VN070618.D
 Acq: 14 Jan 2022 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBSD01

Tgt Ion:105 Resp: 867390
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.4 31.1

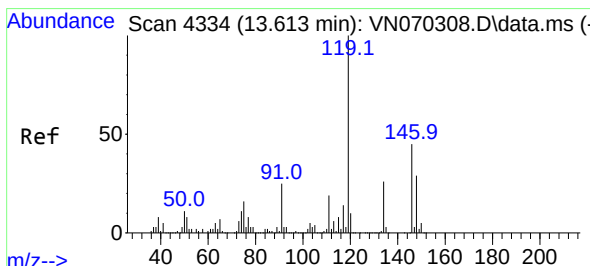
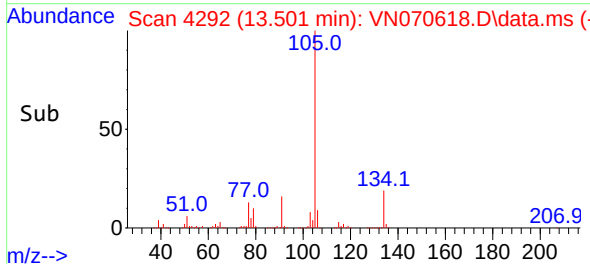
Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/17/2022
 Supervised By :Mahesh Dadoda 01/18/2022



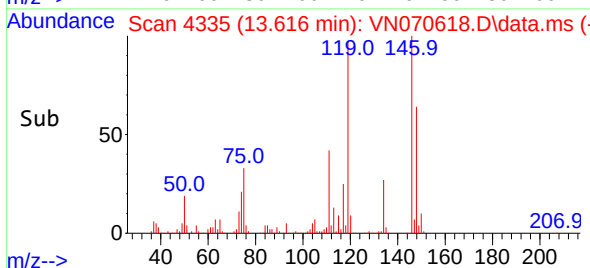
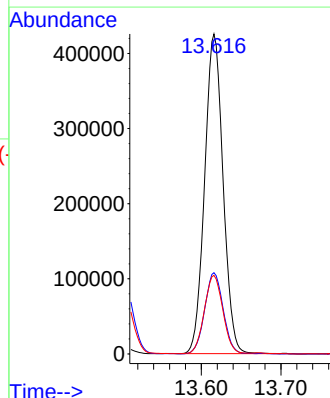
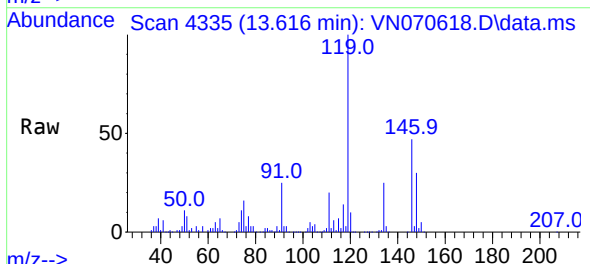
01/17/2022
 Supervised By :Mahesh
 Dadoda

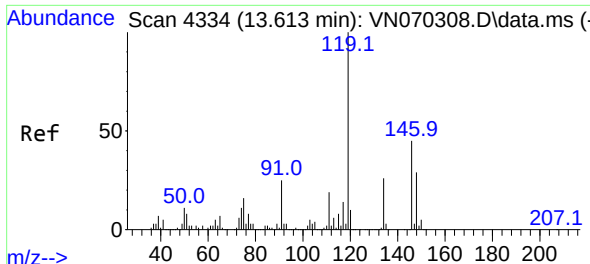
01/18/2022



#86
 p-Isopropyltoluene
 Concen: 19.604 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.003 min
 Lab File: VN070618.D
 Acq: 14 Jan 2022 12:56

Tgt Ion:119 Resp: 683900
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.6 40.7
 91 24.6 11.4 34.1





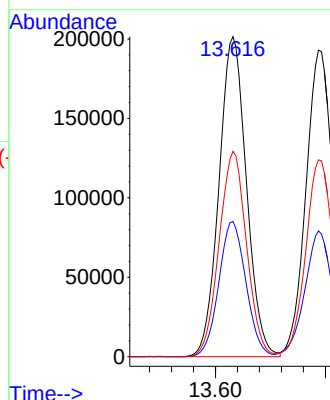
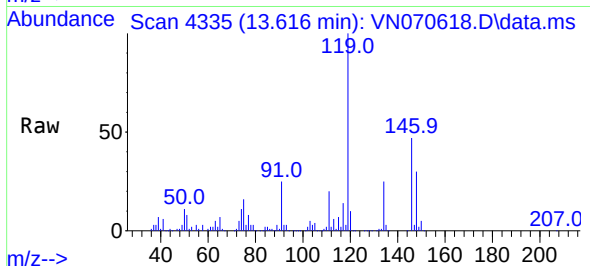
#87
1,3-Dichlorobenzene
Concen: 19.600 ug/l
RT: 13.616 min Scan# 4334
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tgt Ion:146 Resp: 349204
Ion Ratio Lower Upper
146 100
111 41.8 18.6 55.6
148 64.2 31.6 95.0

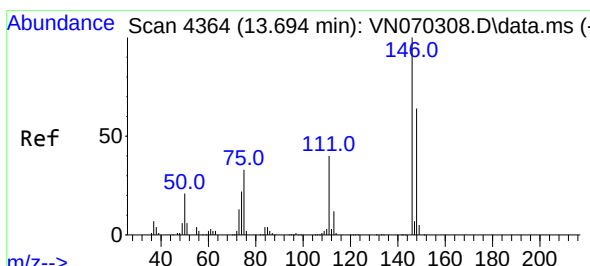
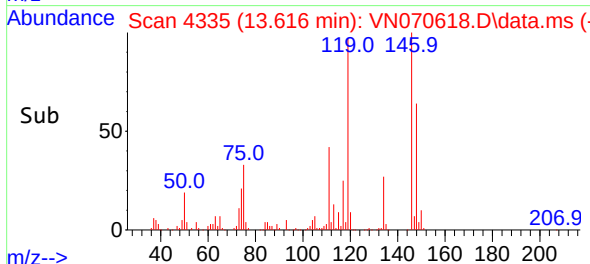
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



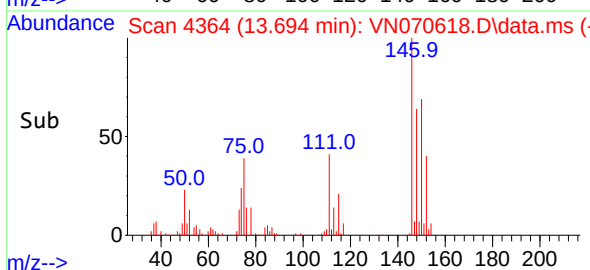
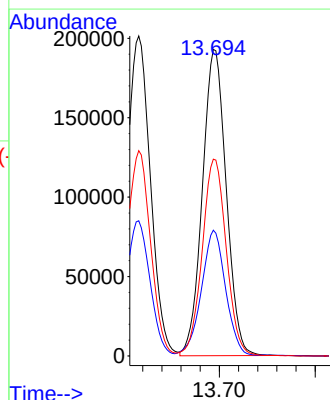
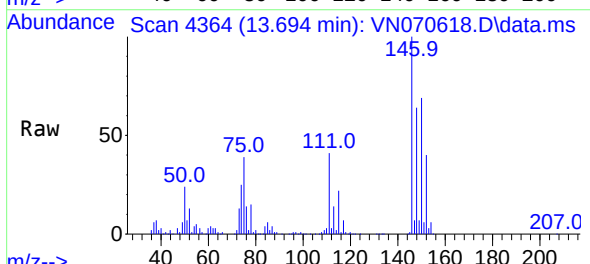
01/17/2022
Supervised By :Mahesh
Dadoda

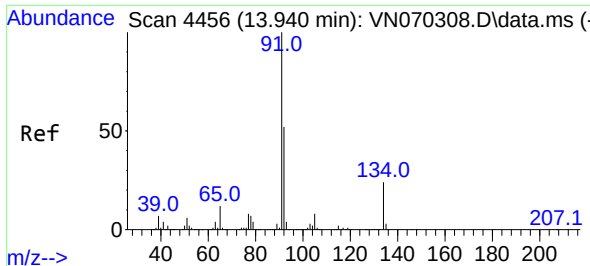
01/18/2022



#88
1,4-Dichlorobenzene
Concen: 19.000 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Tgt Ion:146 Resp: 333921
Ion Ratio Lower Upper
146 100
111 41.3 18.3 54.8
148 64.7 31.8 95.4





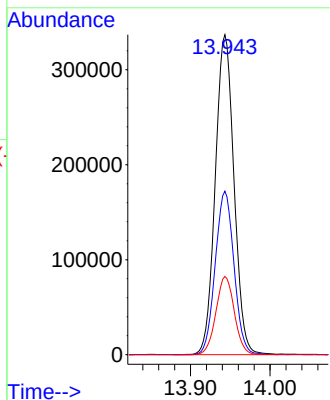
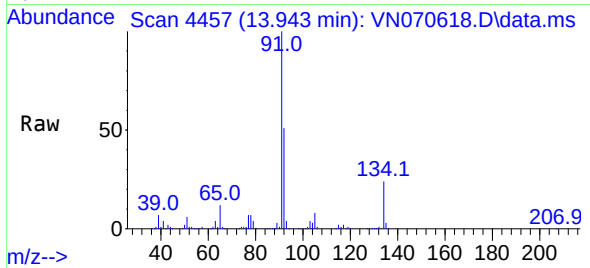
#89
n-Butylbenzene
Concen: 18.950 ug/l
RT: 13.943 min Scan# 4456
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tgt Ion: 91 Resp: 551420
Ion Ratio Lower Upper
91 100
92 51.2 25.4 76.0
134 24.1 13.6 40.8

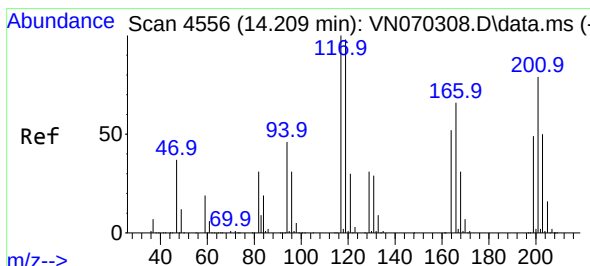
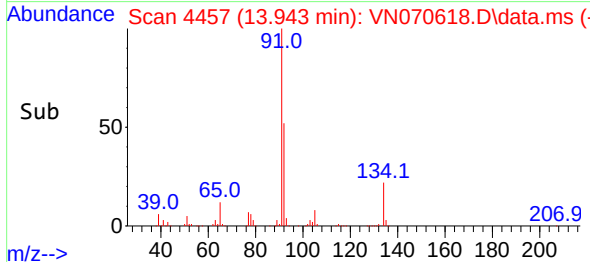
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



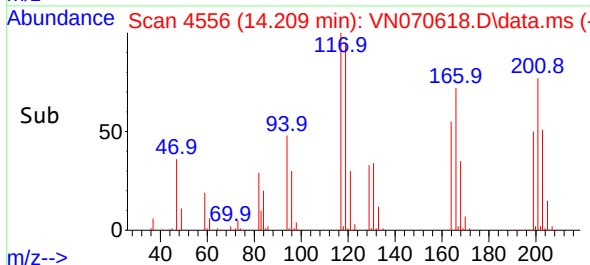
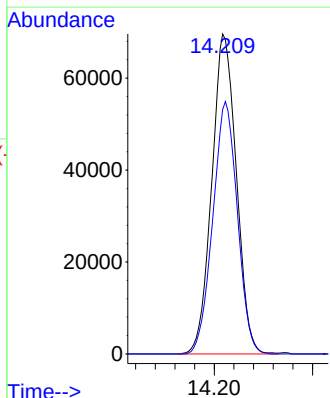
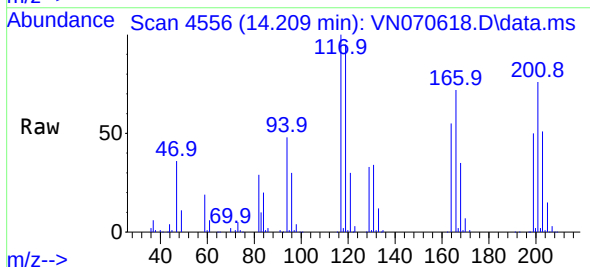
01/17/2022
Supervised By :Mahesh
Dadoda

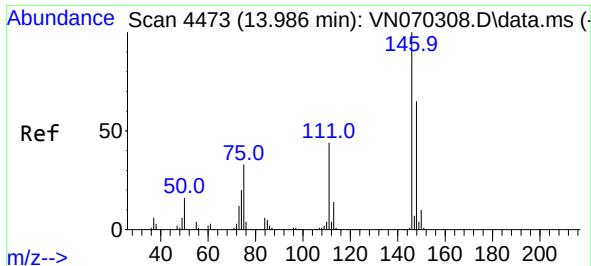
01/18/2022



#90
Hexachloroethane
Concen: 19.957 ug/l
RT: 14.209 min Scan# 4556
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Tgt Ion:117 Resp: 120952
Ion Ratio Lower Upper
117 100
201 78.7 43.9 131.6





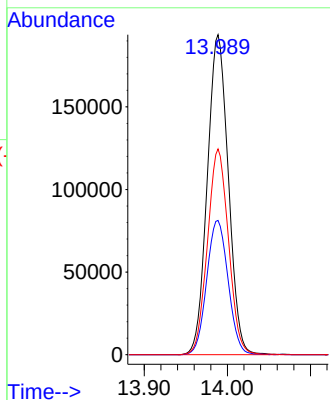
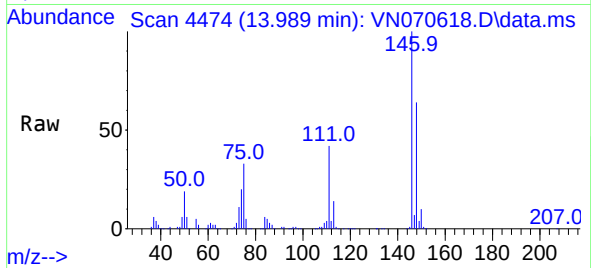
#91
1,2-Dichlorobenzene
Concen: 19.475 ug/l
RT: 13.989 min Scan# 4473
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBSD01

Tgt Ion:146 Resp: 34016
Ion Ratio Lower Upper
146 100
111 42.8 19.1 57.3
148 64.4 32.1 96.3

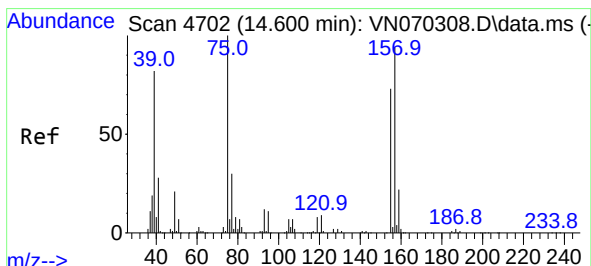
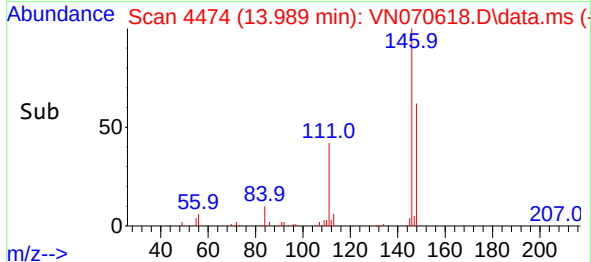
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



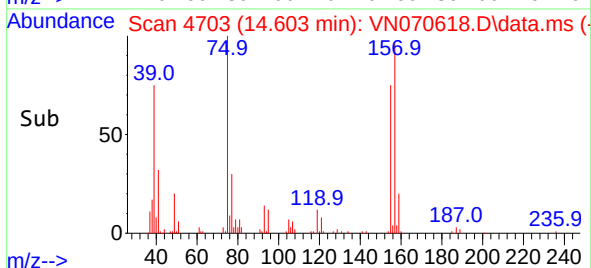
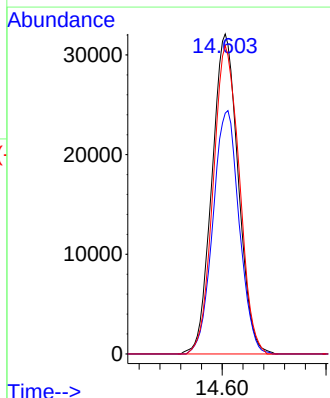
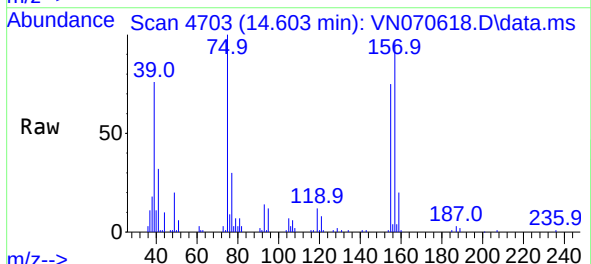
01/17/2022
Supervised By :Mahesh
Dadoda

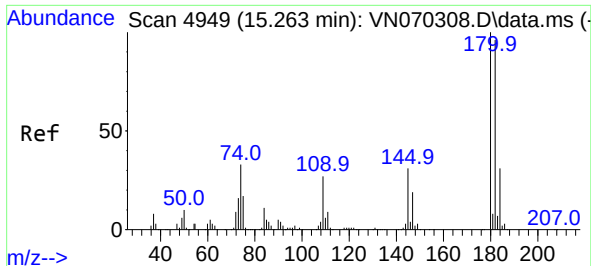
01/18/2022



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.012 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

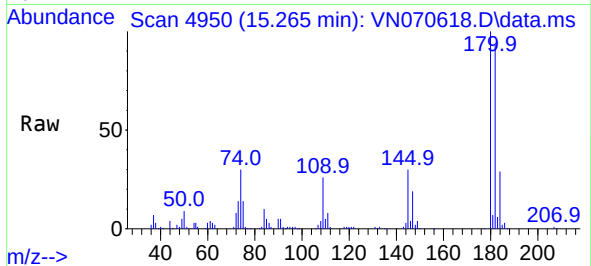
Tgt Ion: 75 Resp: 56427
Ion Ratio Lower Upper
75 100
155 76.1 46.9 140.7
157 95.9 60.6 181.7





#93
1,2,4-Trichlorobenzene
Concen: 20.662 ug/l
RT: 15.265 min Scan# 4949
Delta R.T. 0.002 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

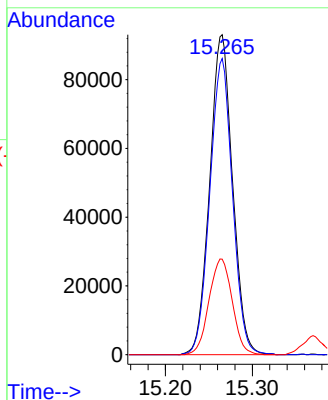
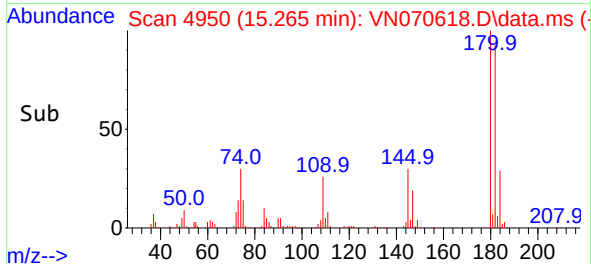
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01



Tgt Ion:180 Resp: 17004
Ion Ratio Lower Upper
180 100
182 91.7 48.3 144.9
145 30.4 14.5 43.5

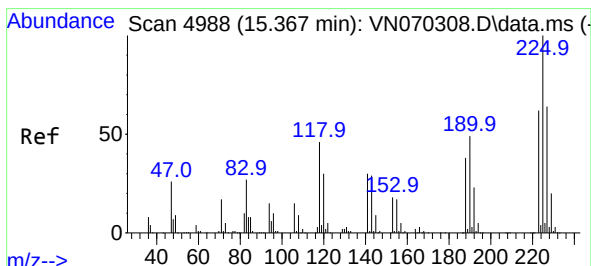
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

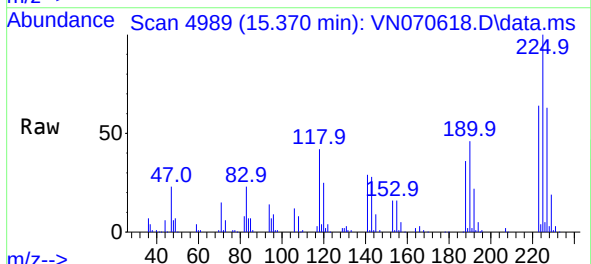


01/17/2022
Supervised By :Mahesh
Dadoda

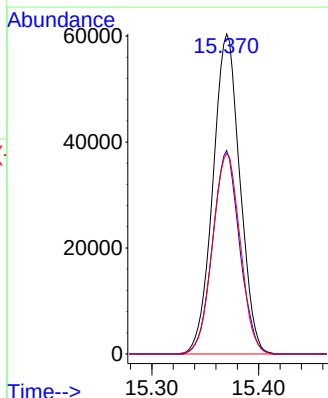
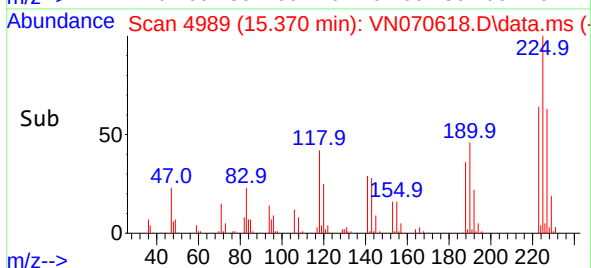
01/18/2022

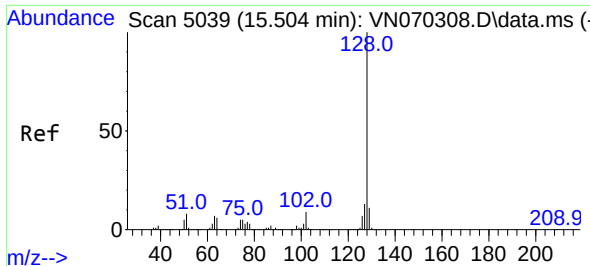


#94
Hexachlorobutadiene
Concen: 22.128 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56



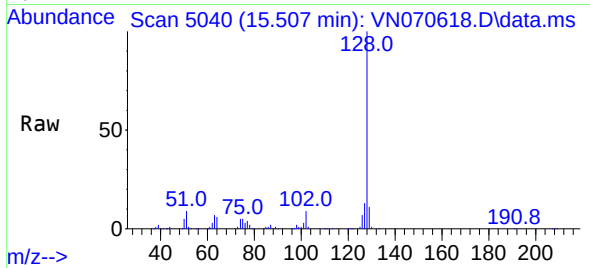
Tgt Ion:225 Resp: 105839
Ion Ratio Lower Upper
225 100
223 63.6 31.9 95.7
227 64.0 32.1 96.3





#95
Naphthalene
Concen: 20.813 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

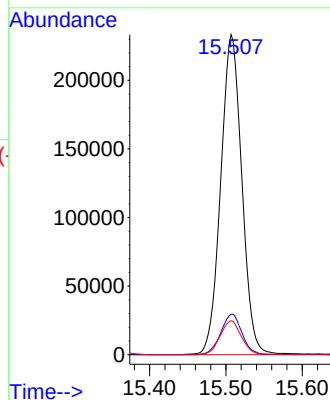
Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01



Tgt Ion:128 Resp: 44865
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.6 8.7 13.1

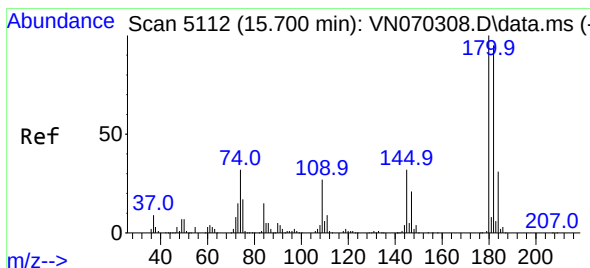
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



01/17/2022
Supervised By :Mahesh
Dadoda

01/18/2022



#96
1,2,3-Trichlorobenzene
Concen: 22.013 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.000 min
Lab File: VN070618.D
Acq: 14 Jan 2022 12:56

Tgt Ion:180 Resp: 169586
Ion Ratio Lower Upper
180 100
182 93.9 47.4 142.2
145 32.3 15.0 45.1

