

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076601.D
 Acq On : 10 Feb 2023 10:10
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/13/2023
 Supervised By : Mahesh Dadoda 02/13/2023

Quant Time: Feb 11 00:48:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020923W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 10 05:40:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.822	128	30563	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.104	114	215154	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.869	117	232368	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.586	65	105635	29.325	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.767%		
60) 4-Bromofluorobenzene	12.851	95	141298	26.935	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	89.767%		
63) Toluene-d8	10.569	98	247603	29.020	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.733%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.140	85	74481	17.607	ug/l	96
3) Chloromethane	2.375	50	81582	16.039	ug/l	98
4) Vinyl Chloride	2.528	62	74566	16.790	ug/l	97
5) Bromomethane	2.969	94	43782	19.636	ug/l	98
6) Chloroethane	3.134	64	41942	18.137	ug/l #	79
7) Trichlorofluoromethane	3.510	101	139499	18.498	ug/l	96
8) Diethyl Ether	3.981	74	45991	19.228	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.387	101	70734	19.485	ug/l	97
10) 1,1-Dichloroethene	4.357	96	64994	19.052	ug/l	82
11) Methyl Iodide	4.598	142	93598	18.885	ug/l	88
12) Methyl Acetate	5.040	43	129654	18.111	ug/l #	89
13) Acrolein	4.198	56	86434	94.264	ug/l	93
14) Acrylonitrile	5.728	53	195756	93.335	ug/l	97
15) Acetone	4.440	58	54882	90.627	ug/l	84
16) Carbon Disulfide	4.728	76	175881	18.760	ug/l	99
17) Allyl chloride	5.045	41	136853m	20.809	ug/l	
18) Methylene Chloride	5.292	84	77388	19.171	ug/l	90
19) trans-1,2-Dichloroethene	5.810	96	69059m	19.706	ug/l	
20) Diisopropyl ether	6.686	45	272272	18.137	ug/l	91
21) 1,1-Dichloroethane	6.581	63	147338	17.998	ug/l	97
22) cis-1,2-Dichloroethene	7.492	96	79137	18.846	ug/l	88
23) tert-Butyl Alcohol	5.534	59	65242	92.700	ug/l #	100
24) Methyl tert-Butyl Ether	5.810	73	242143	19.709	ug/l	93
25) Chloroform	7.975	83	147860	18.254	ug/l	96
26) Cyclohexane	8.263	56	124091	17.082	ug/l #	95
29) 1,1-Dichloropropene	8.375	75	109112	19.592	ug/l	93
30) 2-Butanone	7.486	43	287867	95.762	ug/l	95
31) 2,2-Dichloropropane	7.498	77	119994	20.752	ug/l	93
32) 1,1,1-Trichloroethane	8.175	97	133480	19.318	ug/l	97
33) Carbon Tetrachloride	8.369	117	116199	19.494	ug/l	96
34) Benzene	8.610	78	308067	18.003	ug/l #	92
35) Methacrylonitrile	7.786	41	67165	19.432	ug/l	90
36) 1,2-Dichloroethane	8.675	62	130698	19.918	ug/l	96
37) Trichloroethene	9.357	130	67801	19.352	ug/l	81
38) Methylcyclohexane	9.604	83	120373	19.528	ug/l	89
39) 1,2-Dichloropropane	9.622	63	80871	19.804	ug/l	100
40) Dibromomethane	9.716	93	53892	20.060	ug/l	97
41) Bromodichloromethane	9.892	83	114789	20.322	ug/l #	93
42) Vinyl Acetate	6.616	43	928765m	94.986	ug/l	

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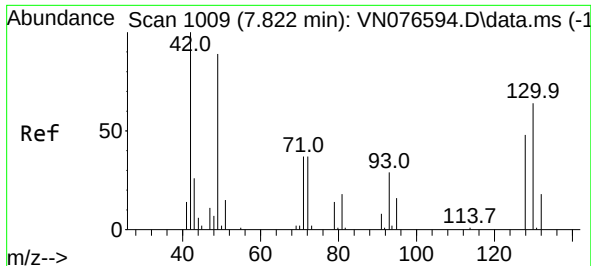
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 Supervised By : Mahesh Dadoda 02/13/2023

Quant Time: Feb 11 00:48:30 2023
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 10 05:40:47 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.569	43	111100m	18.125	ug/l	
44) Isopropyl Acetate	8.692	43	190438	18.887	ug/l	99
45) 1,4-Dioxane	9.698	88	30017	365.197	ug/l #	85
46) Methyl methacrylate	9.686	41	94821	19.505	ug/l	85
47) n-amyl Acetate	12.498	43	167193	19.508	ug/l	94
48) t-1,3-Dichloropropene	10.839	75	115795	20.365	ug/l	93
49) cis-1,3-Dichloropropene	10.316	75	126680	20.154	ug/l	89
50) 1,1,2-Trichloroethane	11.022	97	71478	19.591	ug/l	98
51) Ethyl methacrylate	10.874	69	118232	20.409	ug/l	93
52) 1,3-Dichloropropane	11.169	76	133161	19.580	ug/l	99
53) Dibromochloromethane	11.363	129	77234	20.372	ug/l	98
54) 1,2-Dibromoethane	11.469	107	74634	20.216	ug/l	96
55) 2-Chloroethyl vinyl ether	10.163	63	262145	99.065	ug/l	98
56) Bromoform	12.580	173	49698	20.354	ug/l	98
58) 4-Methyl-2-Pentanone	10.445	43	589026	90.678	ug/l	96
59) 2-Hexanone	11.198	43	435791	92.271	ug/l	94
61) Tetrachloroethene	11.110	164	55487	18.681	ug/l	99
62) Toluene	10.633	91	319903	18.569	ug/l	98
64) Chlorobenzene	11.892	112	189692	19.007	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.963	131	71954	19.018	ug/l	97
66) Ethyl Benzene	11.969	91	356625	18.882	ug/l	99
67) m/p-Xylenes	12.074	106	268984	37.958	ug/l	95
68) o-Xylene	12.404	106	130191	18.648	ug/l	91
69) Styrene	12.416	104	212847	19.208	ug/l	95
70) Isopropylbenzene	12.698	105	345737	18.480	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.939	83	111831	17.145	ug/l	99
72) 1,2,3-Trichloropropane	12.998	75	110242m	18.505	ug/l	
73) Bromobenzene	12.980	156	75440	16.994	ug/l	99
74) n-propylbenzene	13.039	91	407828	16.996	ug/l	98
75) 2-Chlorotoluene	13.127	91	267762	17.740	ug/l	92
76) 1,3,5-Trimethylbenzene	13.174	105	300689	17.211	ug/l	97
77) t-1,4-Dichloro-2-butene	12.739	75	32253	17.949	ug/l	80
78) 4-Chlorotoluene	13.221	91	254089	16.742	ug/l	90
79) tert-butylbenzene	13.439	119	255089	17.202	ug/l	90
80) 1,2,4-Trimethylbenzene	13.486	105	302166	17.538	ug/l	93
81) sec-Butylbenzene	13.621	105	354399	17.068	ug/l	99
82) p-Isopropyltoluene	13.733	119	293663	17.601	ug/l	96
83) 1,3-Dichlorobenzene	13.733	146	139481	16.987	ug/l	95
84) 1,4-Dichlorobenzene	13.815	146	135836	16.581	ug/l	95
85) n-Butylbenzene	14.057	91	250906	16.195	ug/l	100
86) Hexachloroethane	14.333	117	53808	16.610	ug/l	95
87) 1,2-Dichlorobenzene	14.110	146	140996	15.643	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.727	75	24913	18.738	ug/l #	77
89) 1,2,4-Trichlorobenzene	15.392	180	70776	18.828	ug/l	99
90) Hexachlorobutadiene	15.504	225	34220	18.843	ug/l	98
91) Naphthalene	15.645	128	235001	18.322	ug/l	99
92) 1,2,3-Trichlorobenzene	15.845	180	63436	16.908	ug/l	99

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



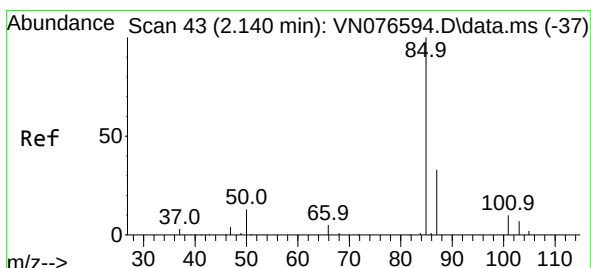
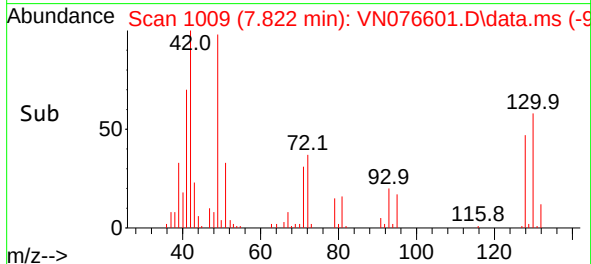
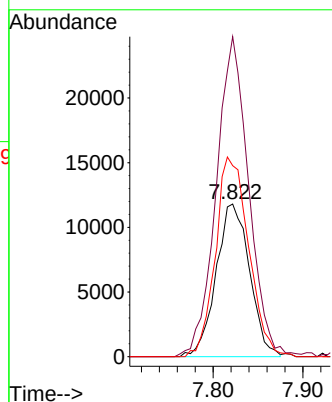
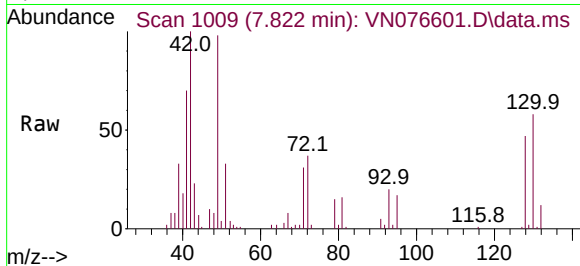
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.822 min Scan# 1009
Delta R.T. -0.008 min
Lab File: VN076601.D
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ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 3056
Ion Ratio Lower Upper
128 100
49 202.5 0.0 492.0
130 129.9 0.0 313.3

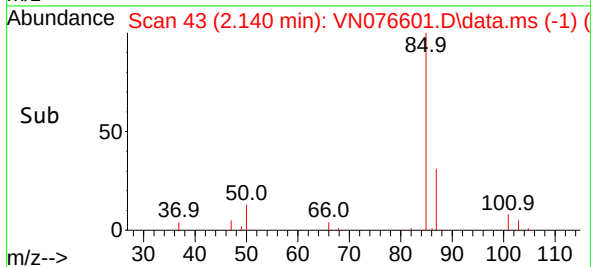
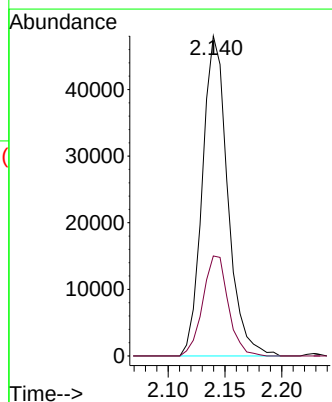
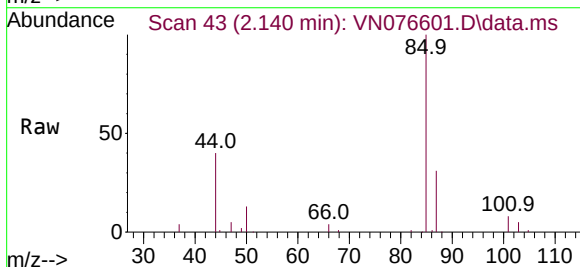
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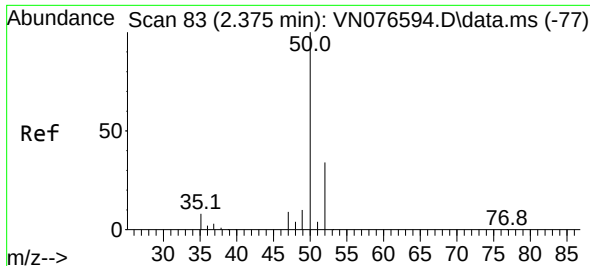
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#2
Dichlorodifluoromethane
Concen: 17.607 ug/l
RT: 2.140 min Scan# 43
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

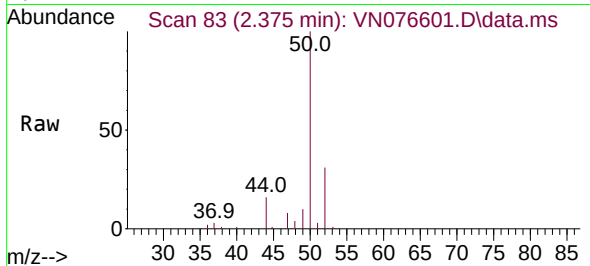
Tgt Ion: 85 Resp: 74481
Ion Ratio Lower Upper
85 100
87 31.2 16.7 50.1





#3
Chloromethane
Concen: 16.039 ug/l
RT: 2.375 min Scan# 81
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

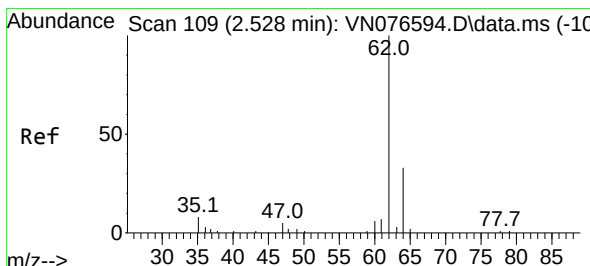
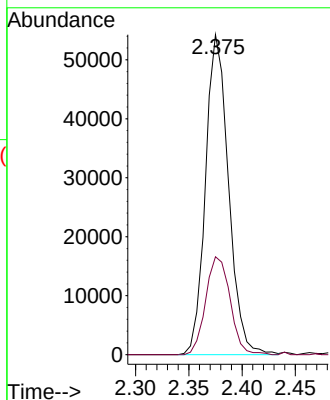
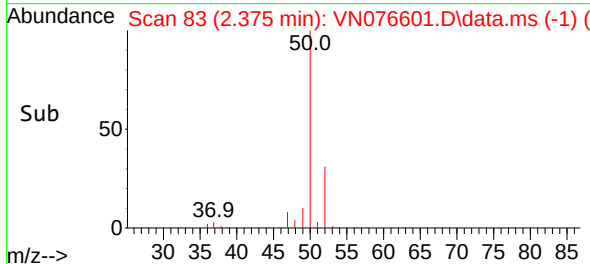
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



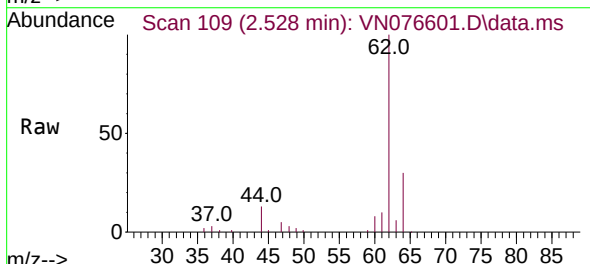
Tgt Ion: 50 Resp: 8158
Ion Ratio Lower Upper
50 100
52 30.6 25.5 38.3

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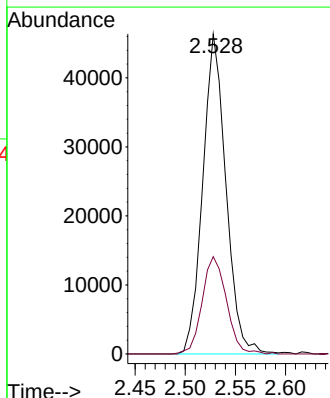
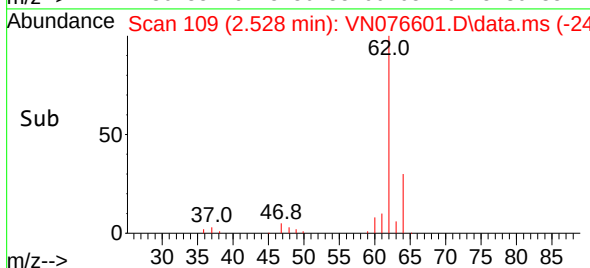
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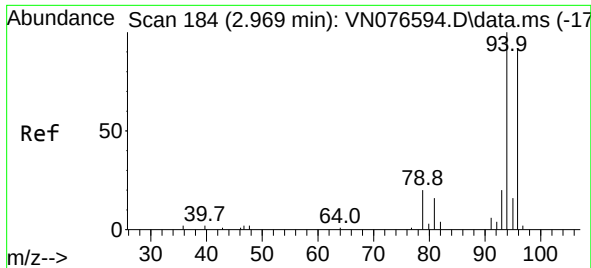


#4
Vinyl Chloride
Concen: 16.790 ug/l
RT: 2.528 min Scan# 109
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10



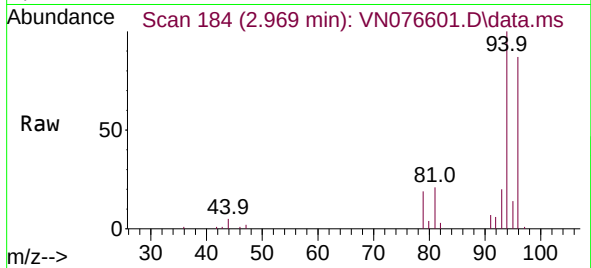
Tgt Ion: 62 Resp: 74566
Ion Ratio Lower Upper
62 100
64 30.4 25.6 38.4





#5
Bromomethane
Concen: 19.636 ug/l
RT: 2.969 min Scan# 184
Delta R.T. 0.021 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

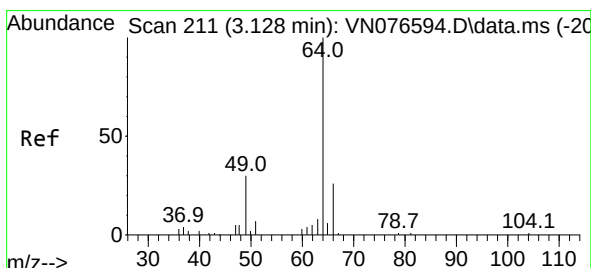
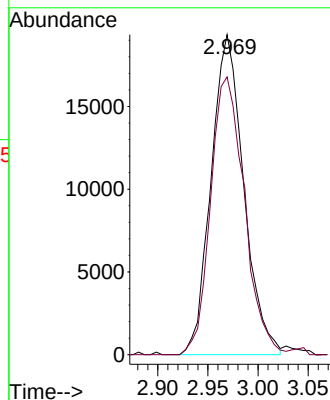
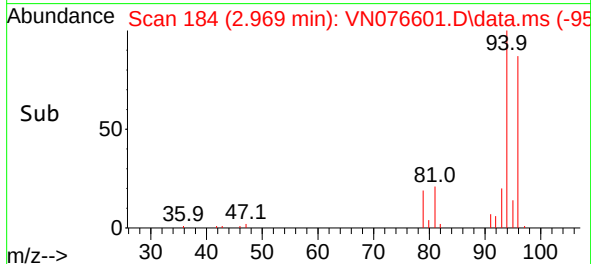
Instrument :
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ClientSampleId :
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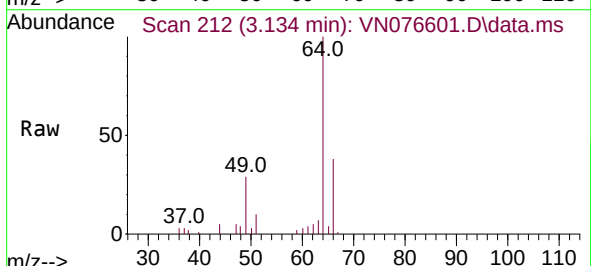
Tgt Ion: 94 Resp: 43782
Ion Ratio Lower Upper
94 100
96 86.8 68.3 102.5

Manual Integrations
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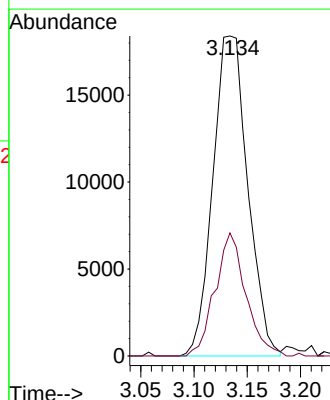
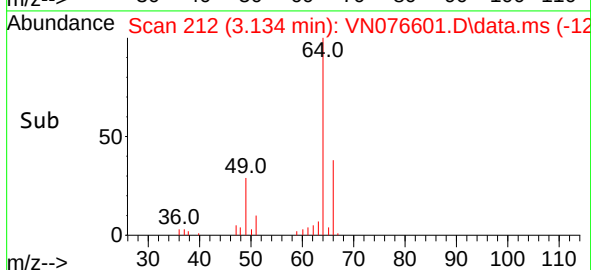
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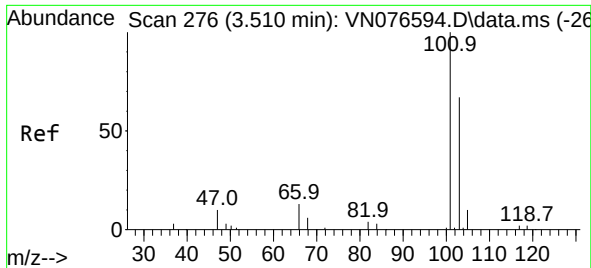


#6
Chloroethane
Concen: 18.137 ug/l
RT: 3.134 min Scan# 212
Delta R.T. 0.010 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10



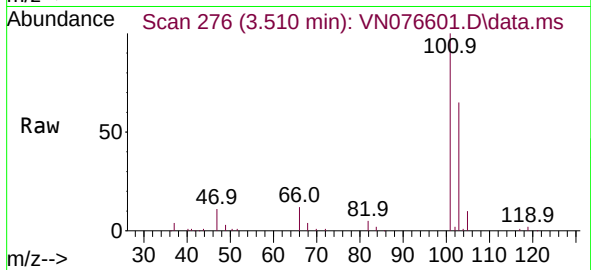
Tgt Ion: 64 Resp: 41942
Ion Ratio Lower Upper
64 100
66 38.5 21.8 32.8#





#7
Trichlorofluoromethane
Concen: 18.498 ug/l
RT: 3.510 min Scan# 21
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

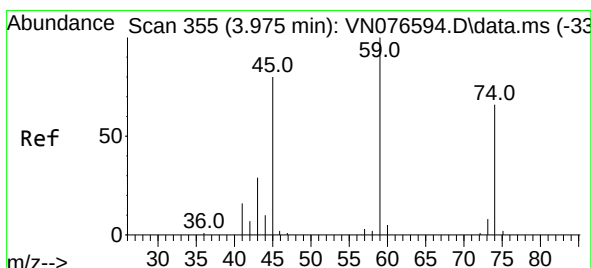
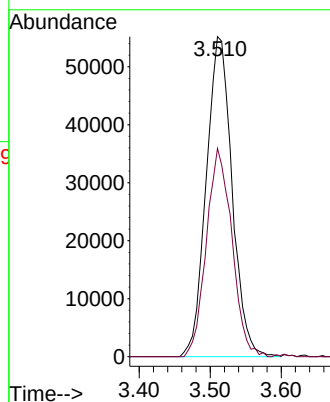
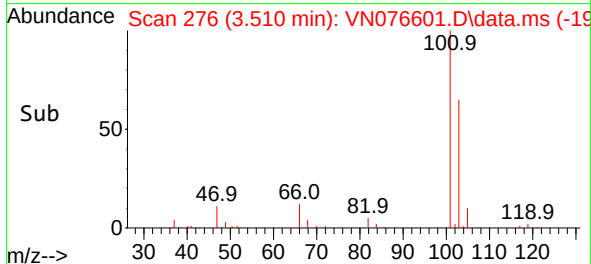
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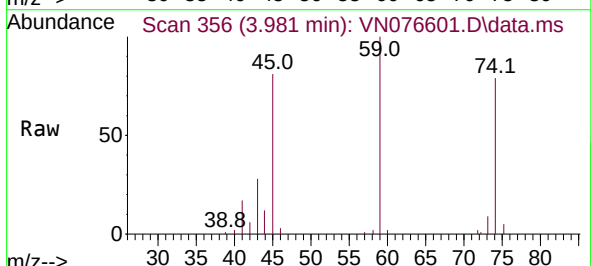
Tgt Ion:101 Resp: 139499
Ion Ratio Lower Upper
101 100
103 65.1 54.8 82.2

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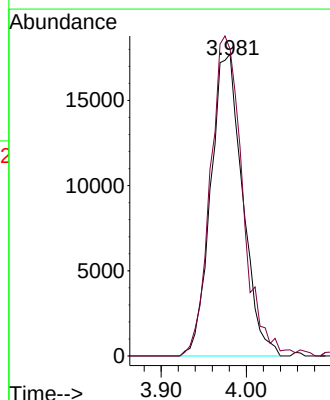
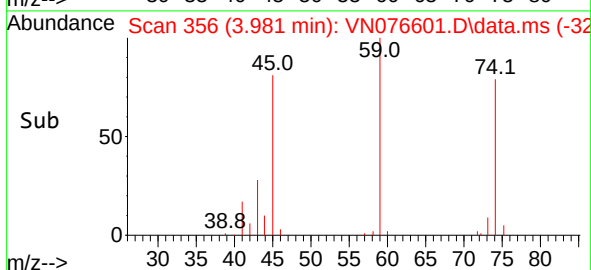
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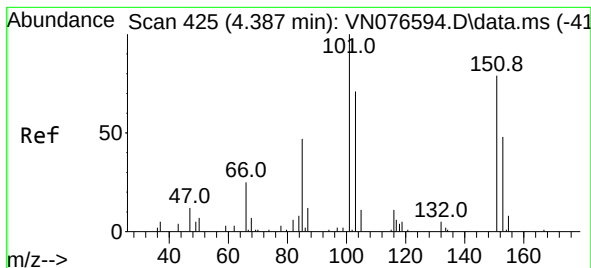


#8
Diethyl Ether
Concen: 19.228 ug/l
RT: 3.981 min Scan# 356
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10



Tgt Ion: 74 Resp: 45991
Ion Ratio Lower Upper
74 100
45 106.6 19.0 171.0





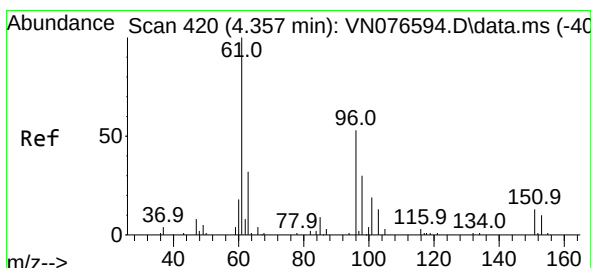
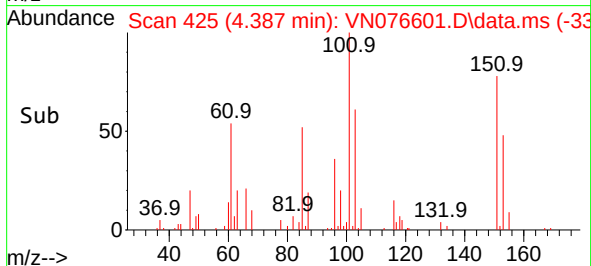
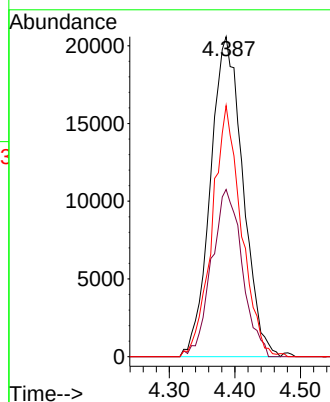
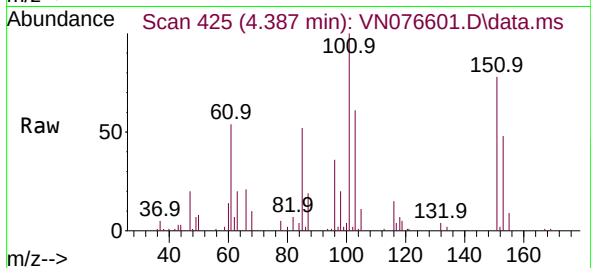
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 1,1,2-Trichlorotrifluoroethane
 Concen: 19.485 ug/l
 RT: 4.387 min Scan# 41
 Delta R.T. 0.004 min
 Lab File: VN076601.D
 Acq: 10 Feb 2023 10:10

Instrument :
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 ClientSampleId :
 VSTDCCC020

Tgt Ion:101 Resp: 70734
 Ion Ratio Lower Upper
 101 100
 85 49.4 0.0 94.6
 151 70.3 0.0 144.8

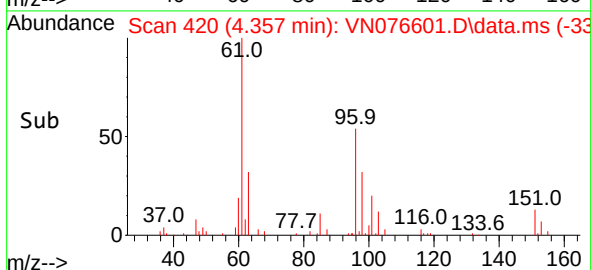
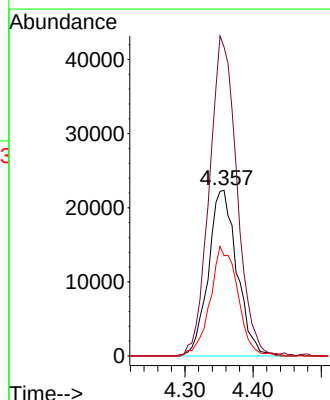
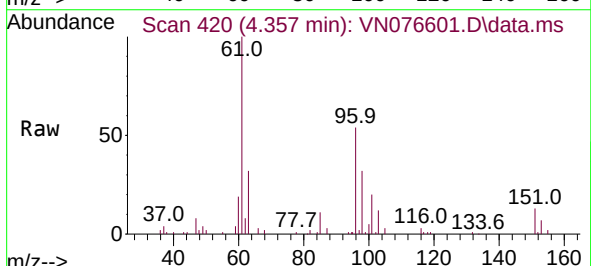
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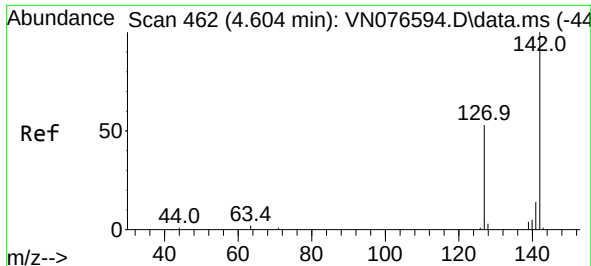
Reviewed By :John Carlone 02/13/2023
 Supervised By :Mahesh Dadoda 02/13/2023



#10
 1,1-Dichloroethene
 Concen: 19.052 ug/l
 RT: 4.357 min Scan# 420
 Delta R.T. -0.002 min
 Lab File: VN076601.D
 Acq: 10 Feb 2023 10:10

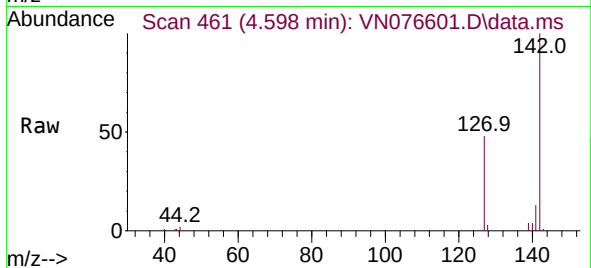
Tgt Ion: 96 Resp: 64994
 Ion Ratio Lower Upper
 96 100
 61 185.7 125.5 188.3
 98 60.6 45.0 67.4





#11
Methyl Iodide
Concen: 18.885 ug/l
RT: 4.598 min Scan# 461
Delta R.T. -0.014 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

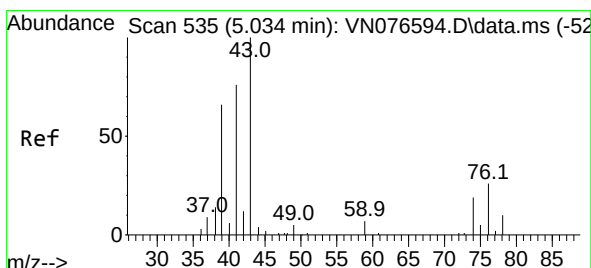
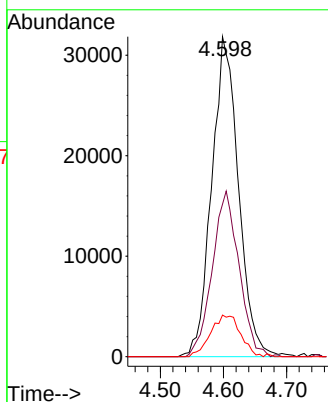
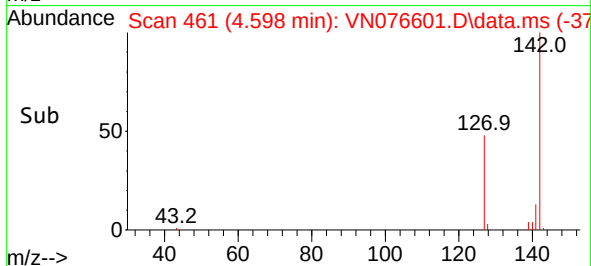
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 93598
Ion Ratio Lower Upper
142 100
127 47.6 19.3 57.8
141 13.0 7.7 23.1

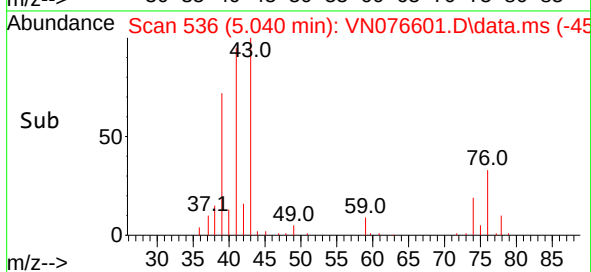
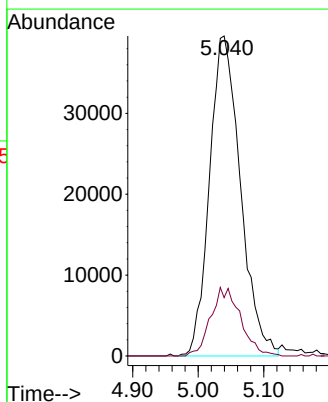
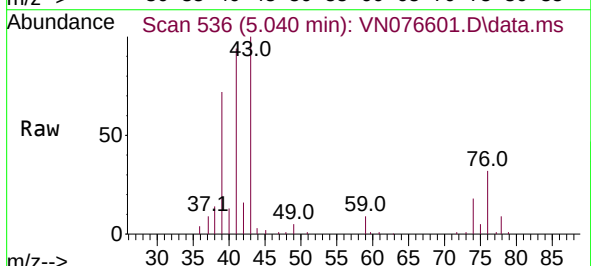
Manual Integrations
APPROVED

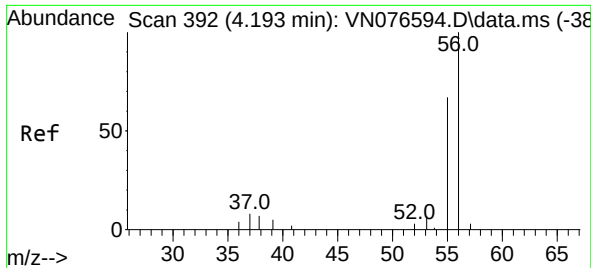
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#12
Methyl Acetate
Concen: 18.111 ug/l
RT: 5.040 min Scan# 536
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion: 43 Resp: 129654
Ion Ratio Lower Upper
43 100
74 18.2 19.0 28.6#





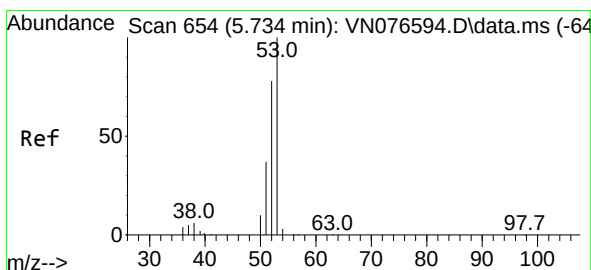
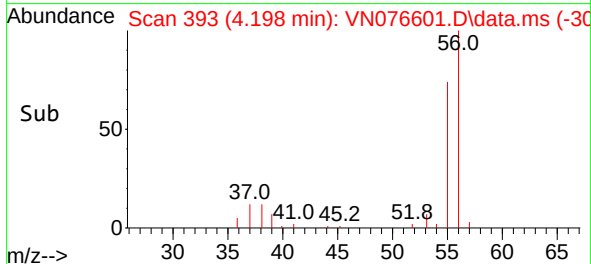
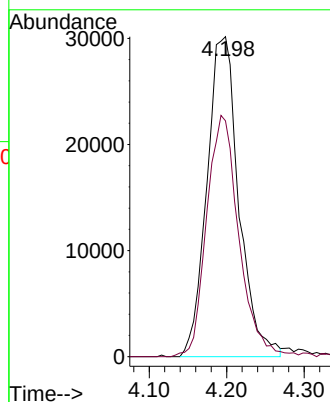
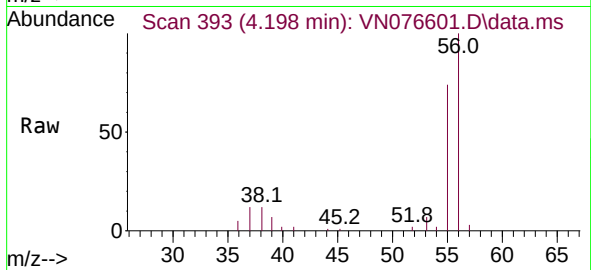
#13
Acrolein
Concen: 94.264 ug/l
RT: 4.198 min Scan# 392
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 86434
Ion Ratio Lower Upper
56 100
55 75.6 56.2 84.2

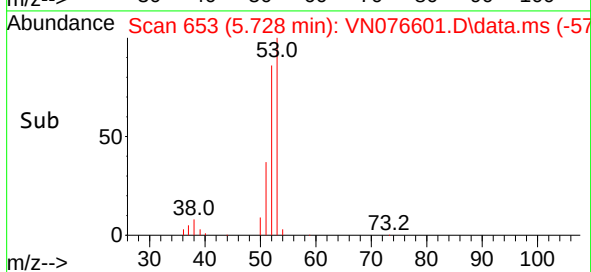
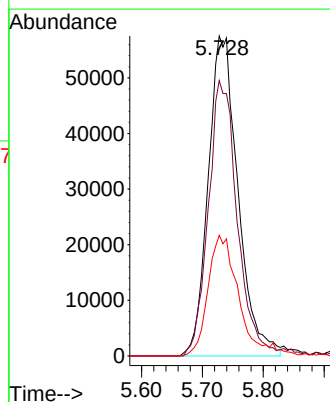
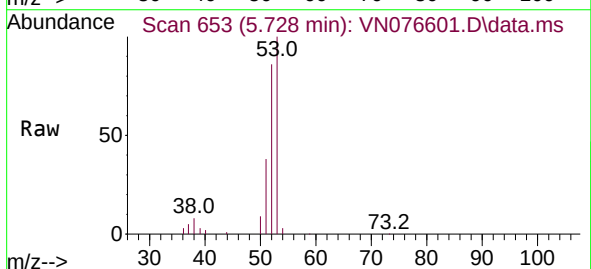
Manual Integrations
APPROVED

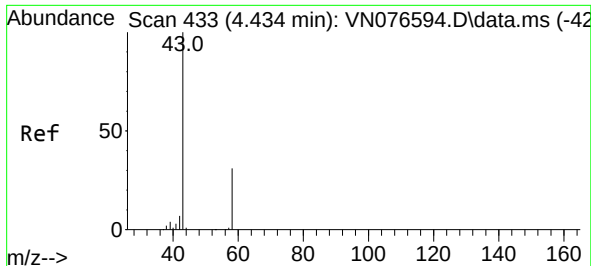
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#14
Acrylonitrile
Concen: 93.335 ug/l
RT: 5.728 min Scan# 653
Delta R.T. -0.014 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion: 53 Resp: 195756
Ion Ratio Lower Upper
53 100
52 83.1 40.8 122.4
51 37.6 17.0 51.0





#15

Acetone

Concen: 90.627 ug/l

RT: 4.440 min Scan# 41

Delta R.T. -0.013 min

Lab File: VN076601.D

Acq: 10 Feb 2023 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 5488

Ion Ratio Lower Upper

58 100

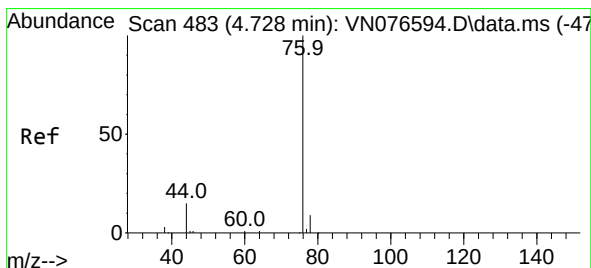
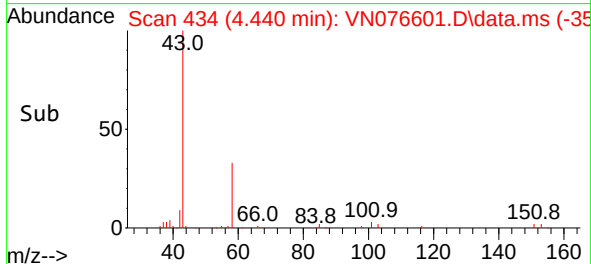
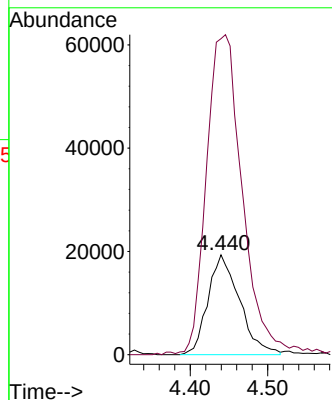
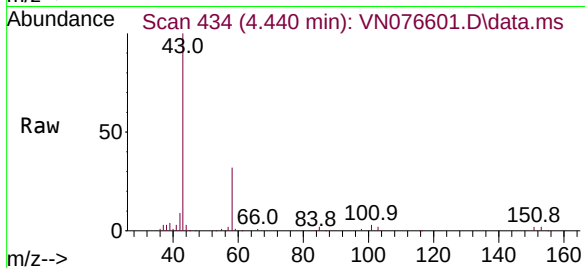
43 320.7 232.2 348.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#16

Carbon Disulfide

Concen: 18.760 ug/l

RT: 4.728 min Scan# 483

Delta R.T. -0.008 min

Lab File: VN076601.D

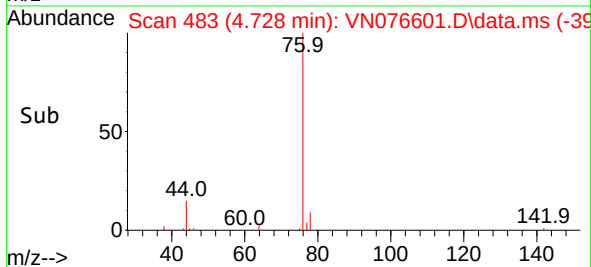
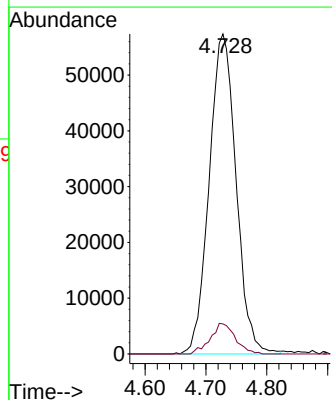
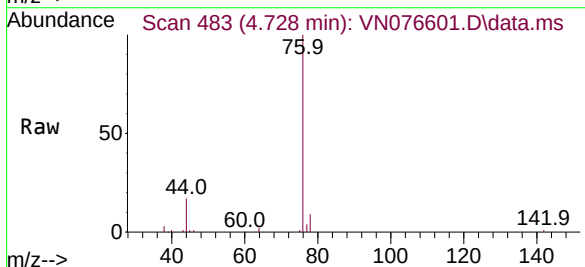
Acq: 10 Feb 2023 10:10

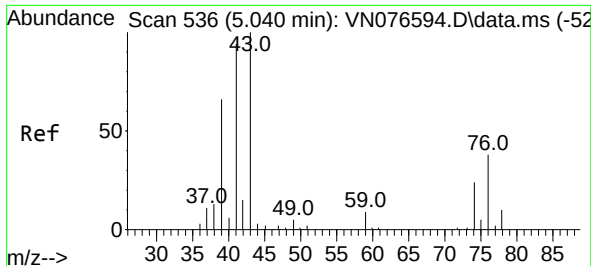
Tgt Ion: 76 Resp: 175881

Ion Ratio Lower Upper

76 100

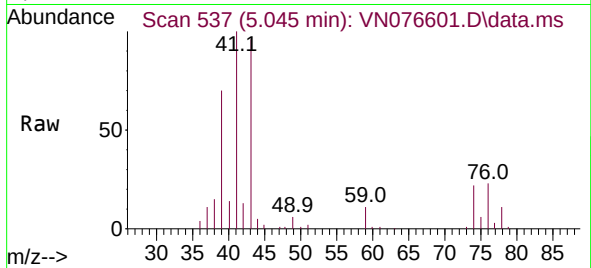
78 9.4 7.2 10.8





#17
 Allyl chloride
 Concen: 20.809 ug/l m
 RT: 5.045 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN076601.D
 Acq: 10 Feb 2023 10:10

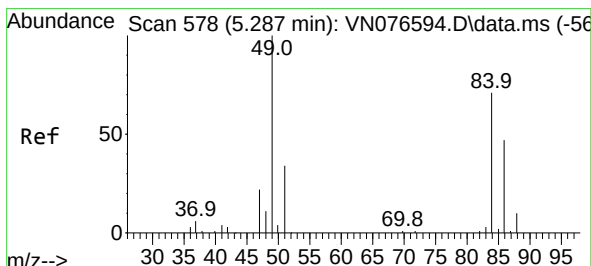
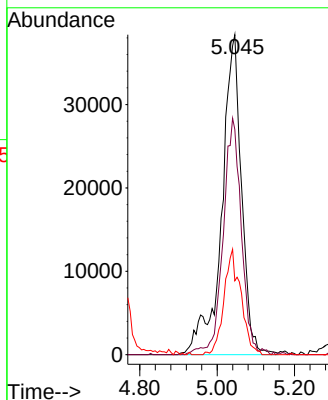
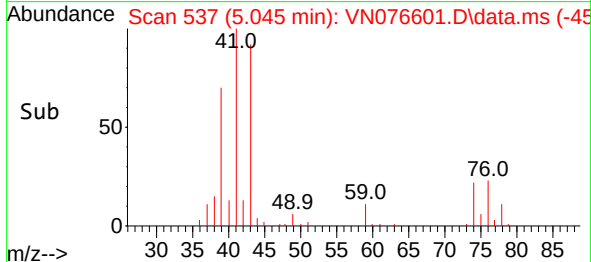
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 41 Resp: 13685
 Ion Ratio Lower Upper
 41 100
 39 70.3 39.1 117.5
 76 23.1 19.8 59.4

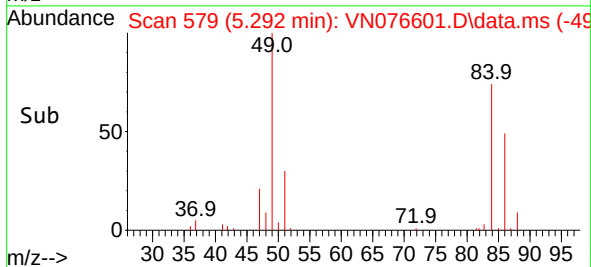
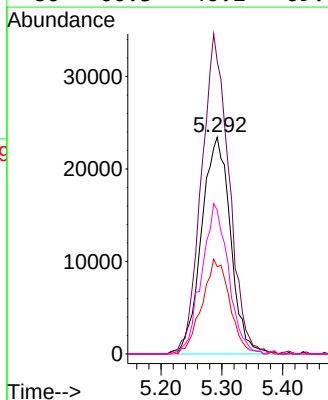
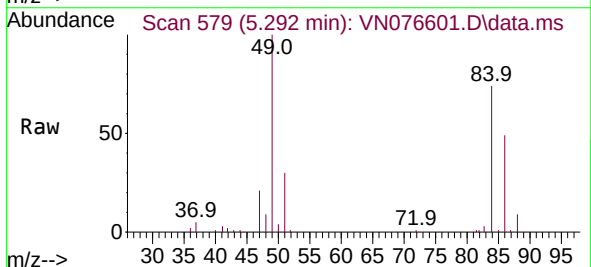
Manual Integrations
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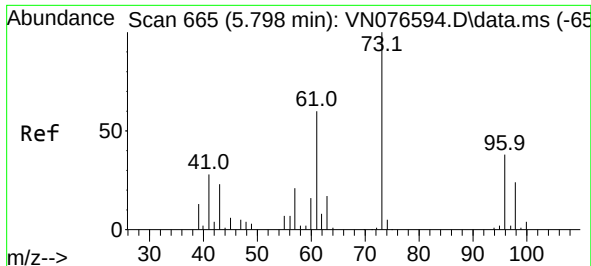
Reviewed By :John Carlone 02/13/2023
 Supervised By :Mahesh Dadoda 02/13/2023



#18
 Methylene Chloride
 Concen: 19.171 ug/l
 RT: 5.292 min Scan# 579
 Delta R.T. -0.008 min
 Lab File: VN076601.D
 Acq: 10 Feb 2023 10:10

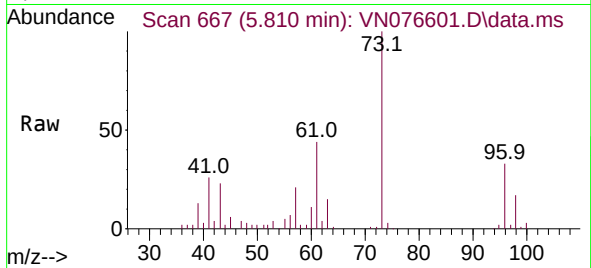
Tgt Ion: 84 Resp: 77388
 Ion Ratio Lower Upper
 84 100
 49 135.0 99.6 149.4
 51 40.3 28.2 42.2
 86 66.3 46.2 69.4





#19
trans-1,2-Dichloroethene
Concen: 19.706 ug/l m
RT: 5.810 min Scan# 6
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

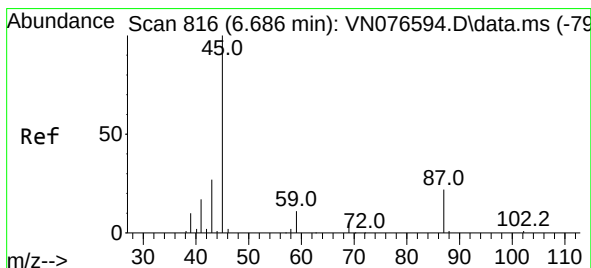
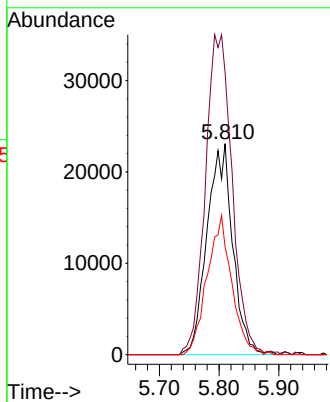
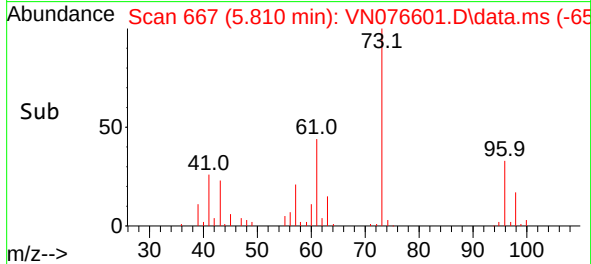
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 6905
Ion Ratio Lower Upper
96 100
61 133.7 110.2 165.4
98 51.1 50.0 75.0

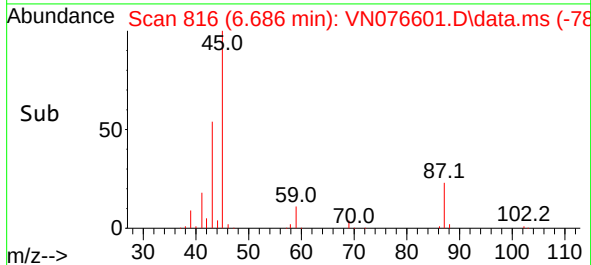
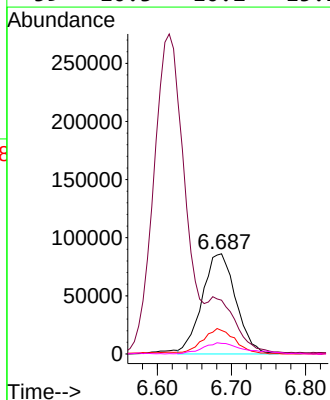
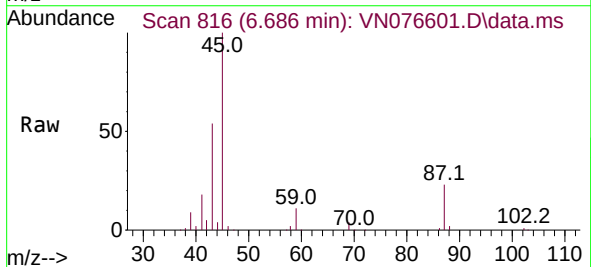
Manual Integrations
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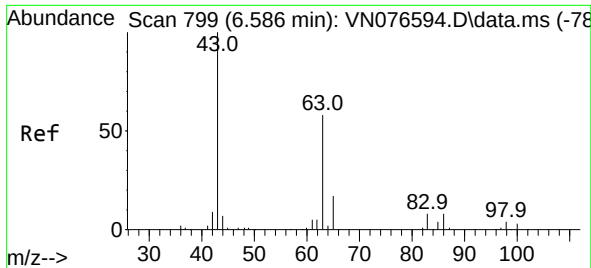
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#20
Diisopropyl ether
Concen: 18.137 ug/l
RT: 6.686 min Scan# 816
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion: 45 Resp: 272272
Ion Ratio Lower Upper
45 100
43 51.9 47.3 70.9
87 23.3 21.8 32.8
59 10.3 10.2 15.2





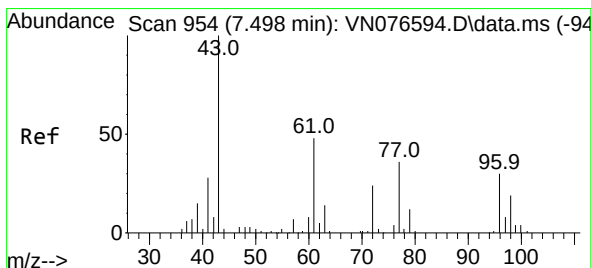
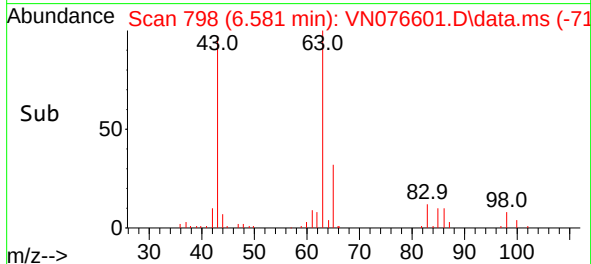
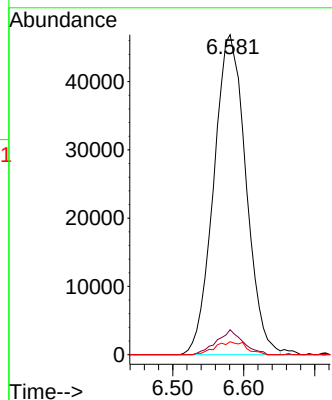
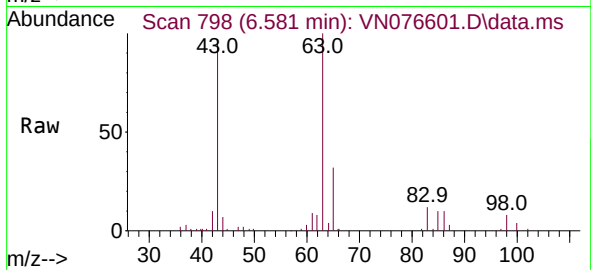
#21
1,1-Dichloroethane
Concen: 17.998 ug/l
RT: 6.581 min Scan# 799
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 147338
Ion Ratio Lower Upper
63 100
98 7.8 3.3 9.9
100 4.1 2.2 6.6

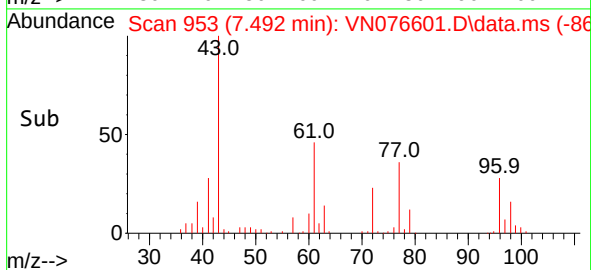
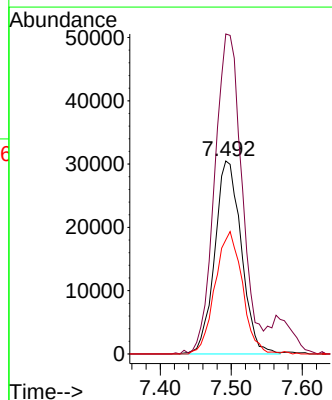
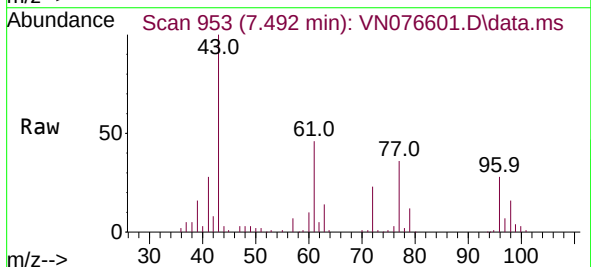
Manual Integrations
APPROVED

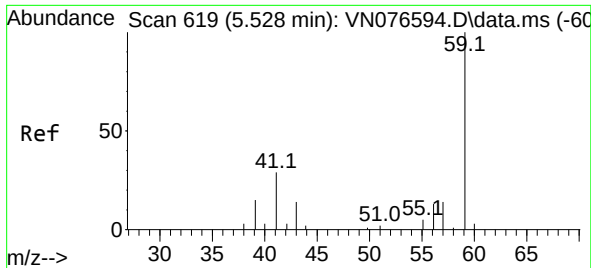
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#22
cis-1,2-Dichloroethene
Concen: 18.846 ug/l
RT: 7.492 min Scan# 953
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion: 96 Resp: 79137
Ion Ratio Lower Upper
96 100
61 169.8 118.8 178.2
98 64.8 52.1 78.1





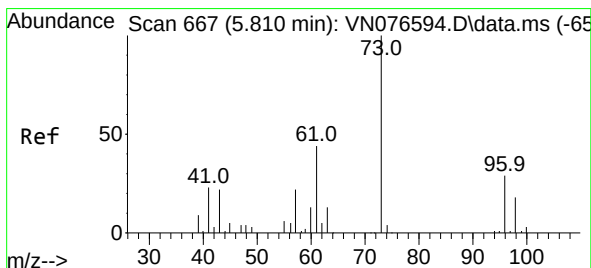
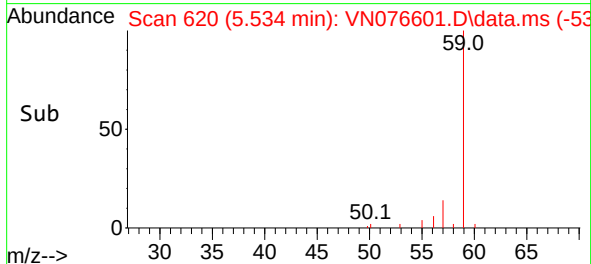
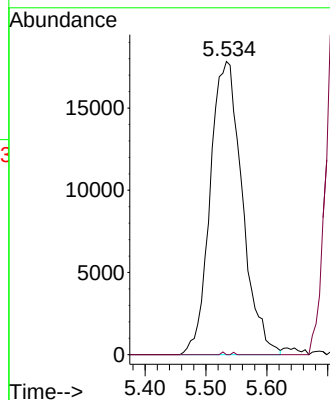
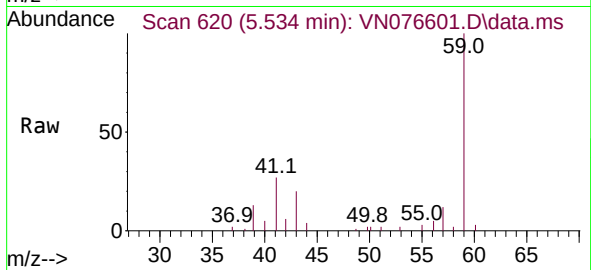
#23
tert-Butyl Alcohol
Concen: 92.700 ug/l
RT: 5.534 min Scan# 619
Delta R.T. -0.025 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 6524
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4

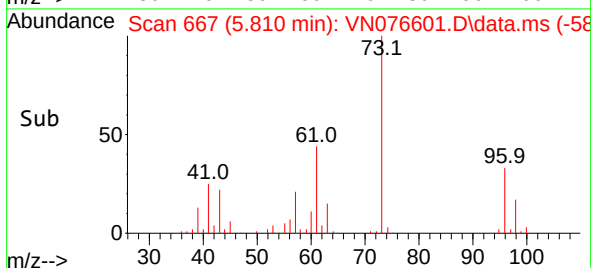
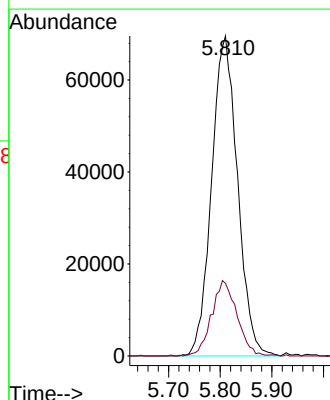
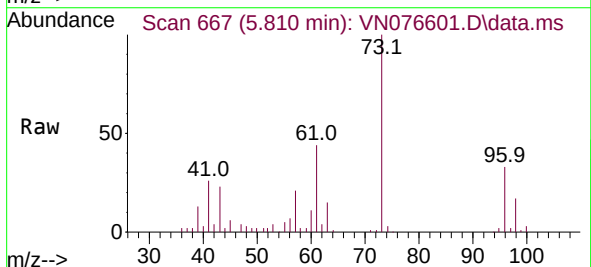
Manual Integrations
APPROVED

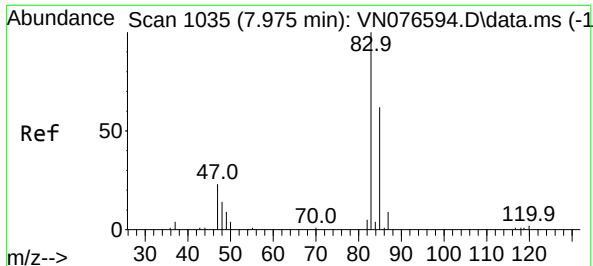
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#24
Methyl tert-Butyl Ether
Concen: 19.709 ug/l
RT: 5.810 min Scan# 667
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion: 73 Resp: 242143
Ion Ratio Lower Upper
73 100
43 22.8 15.6 23.4





#25

Chloroform

Concen: 18.254 ug/l

RT: 7.975 min Scan# 1035

Delta R.T. -0.002 min

Lab File: VN076601.D

Acq: 10 Feb 2023 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 147860

Ion Ratio Lower Upper

83 100

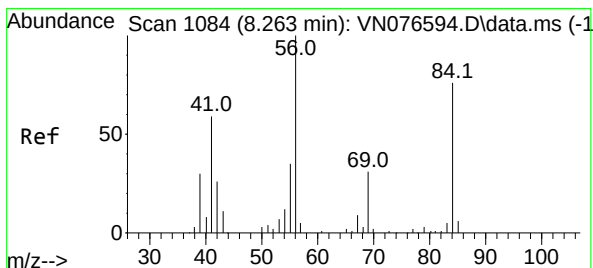
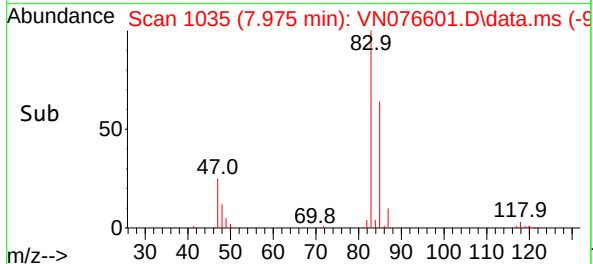
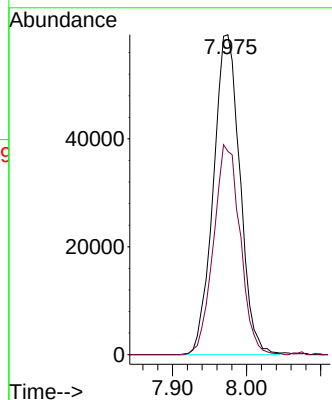
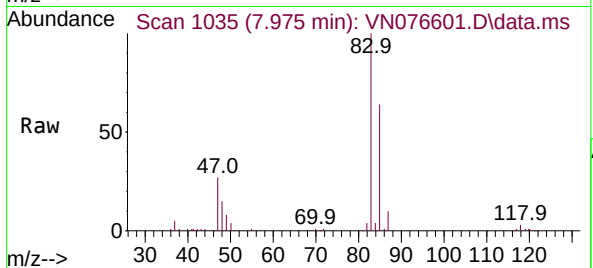
85 63.6 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#26

Cyclohexane

Concen: 17.082 ug/l

RT: 8.263 min Scan# 1084

Delta R.T. -0.002 min

Lab File: VN076601.D

Acq: 10 Feb 2023 10:10

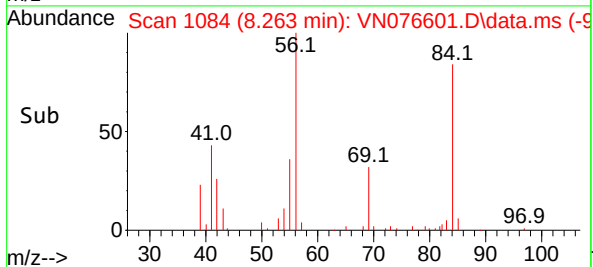
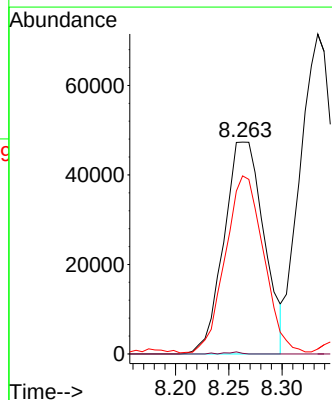
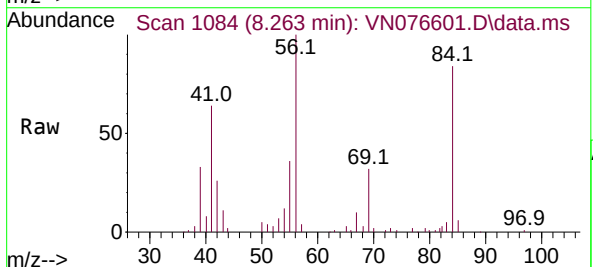
Tgt Ion: 56 Resp: 124091

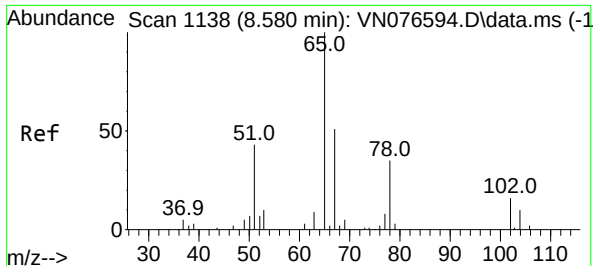
Ion Ratio Lower Upper

56 100

89 0.3 0.0 0.0#

84 80.8 68.4 102.6





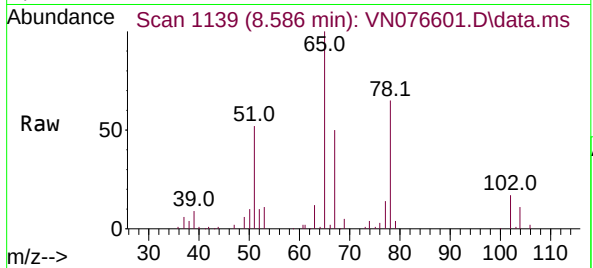
#27
1,2-Dichloroethane-d4
Concen: 29.325 ug/l
RT: 8.586 min Scan# 1138
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



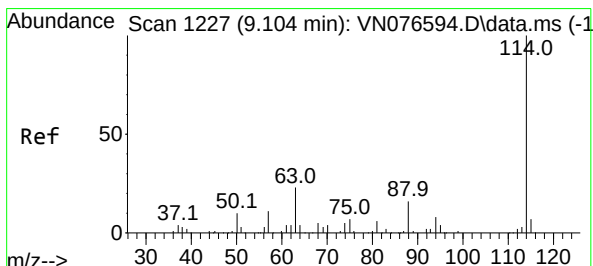
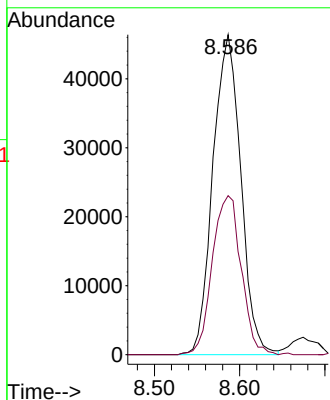
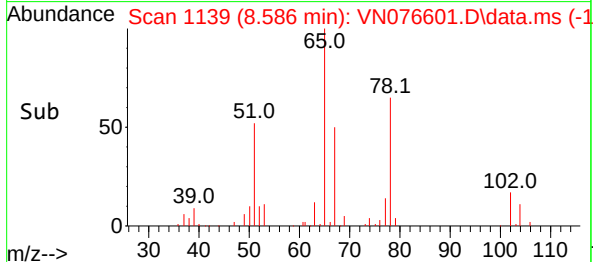
Tgt Ion: 65 Resp: 105639
Ion Ratio Lower Upper
65 100
67 51.4 45.2 67.8

Manual Integrations

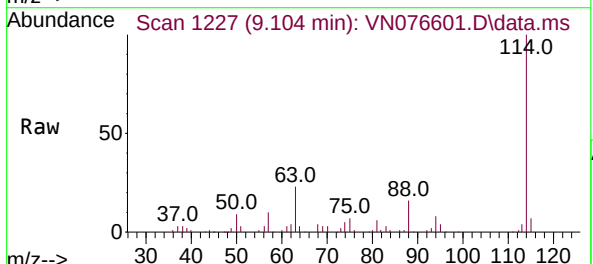
APPROVED

Reviewed By :John Carlone 02/13/2023

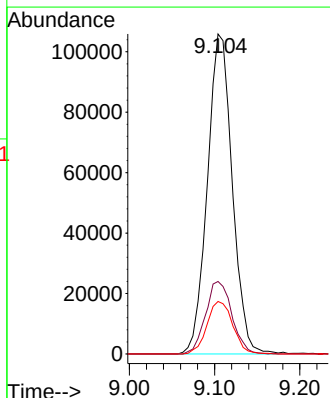
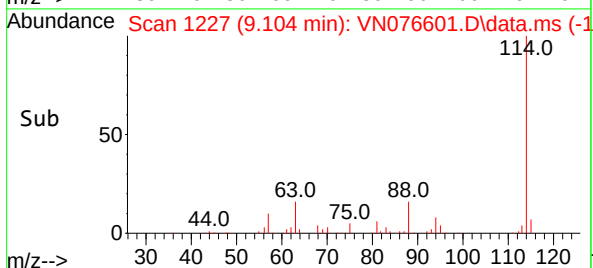
Supervised By :Mahesh Dadoda 02/13/2023

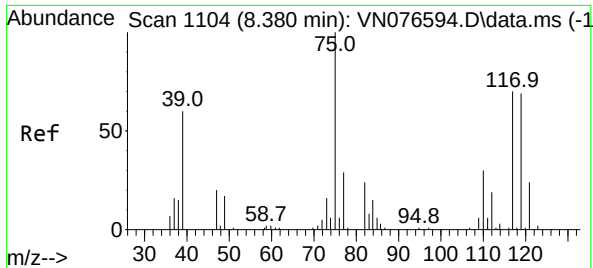


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.104 min Scan# 1227
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10



Tgt Ion:114 Resp: 215154
Ion Ratio Lower Upper
114 100
63 23.9 16.6 25.0
88 17.0 12.2 18.4





#29
1,1-Dichloropropene
Concen: 19.592 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

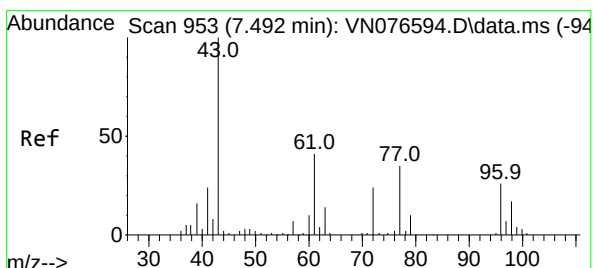
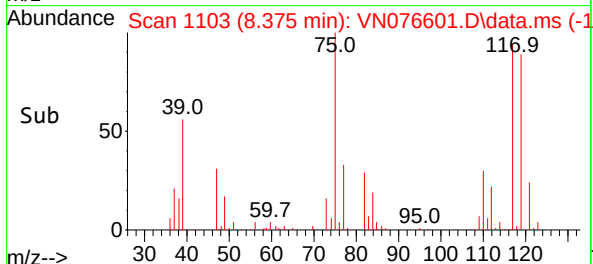
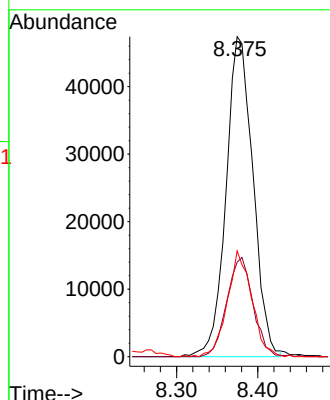
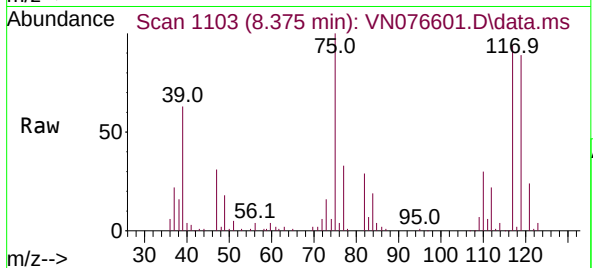
Tgt Ion: 75 Resp: 10911
Ion Ratio Lower Upper
75 100
110 30.1 0.0 72.2
77 29.9 0.0 64.0

Manual Integrations

APPROVED

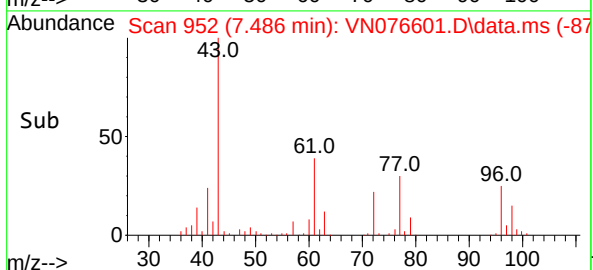
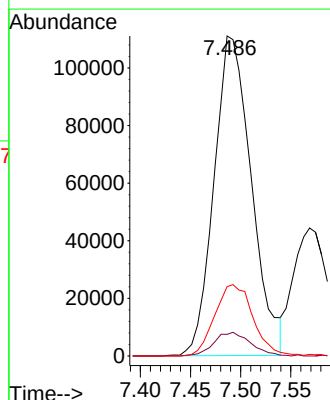
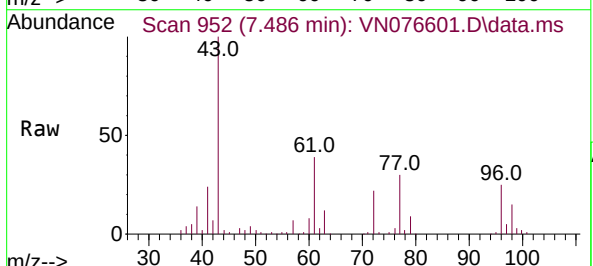
Reviewed By :John Carlone 02/13/2023

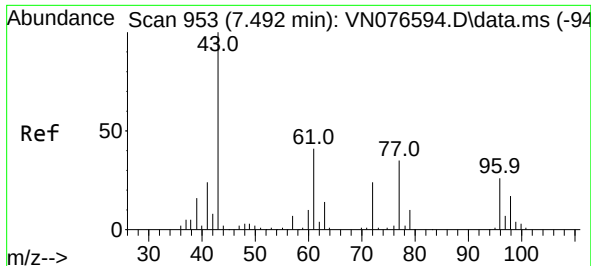
Supervised By :Mahesh Dadoda 02/13/2023



#30
2-Butanone
Concen: 95.762 ug/l
RT: 7.486 min Scan# 952
Delta R.T. -0.020 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

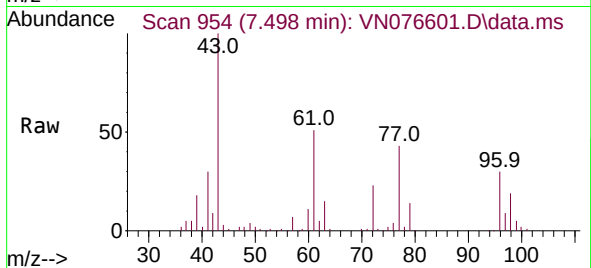
Tgt Ion: 43 Resp: 287867
Ion Ratio Lower Upper
43 100
57 7.3 6.3 9.5
72 22.9 21.0 31.4





#31
2,2-Dichloropropane
Concen: 20.752 ug/l
RT: 7.498 min Scan# 91
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

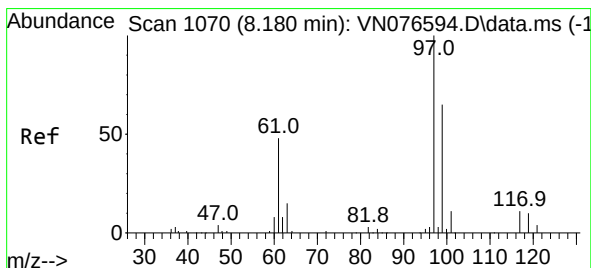
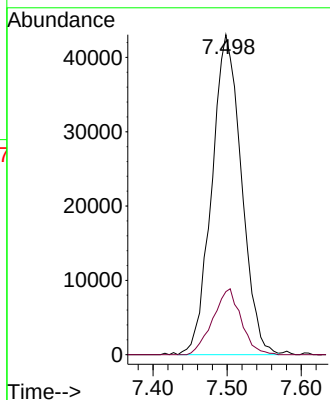
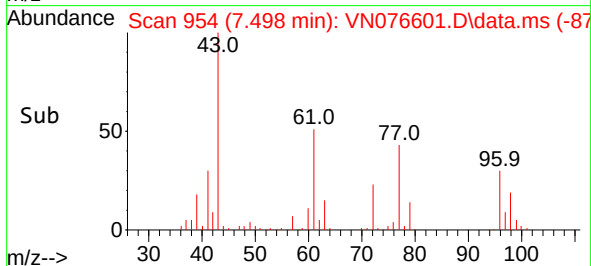
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



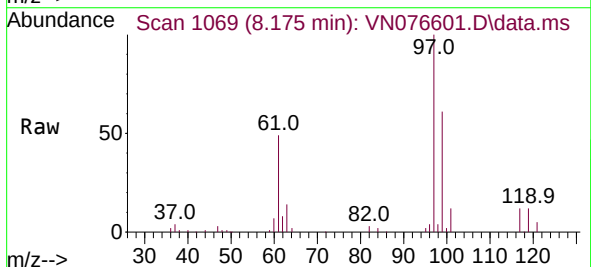
Tgt Ion: 77 Resp: 11994
Ion Ratio Lower Upper
77 100
97 19.6 18.4 27.6

Manual Integrations
APPROVED

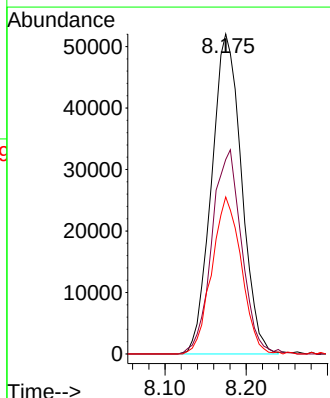
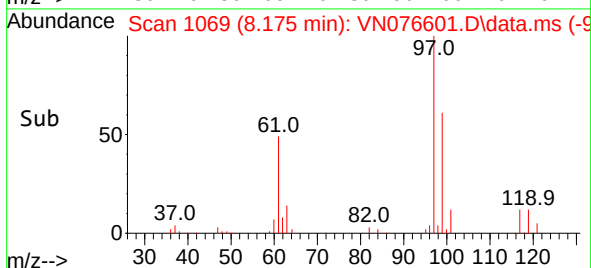
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

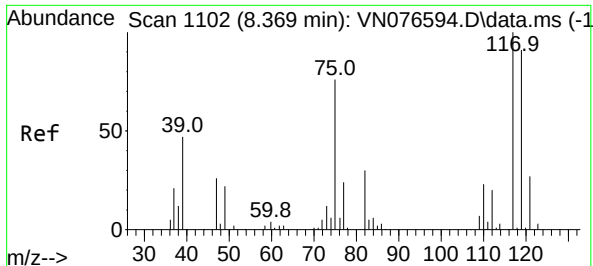


#32
1,1,1-Trichloroethane
Concen: 19.318 ug/l
RT: 8.175 min Scan# 1069
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10



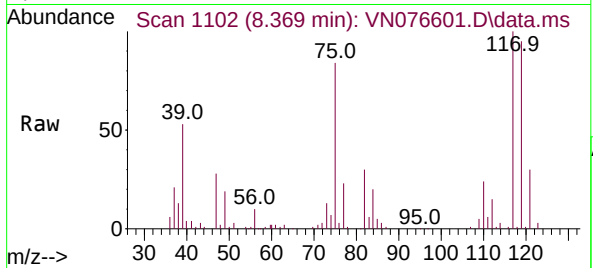
Tgt Ion: 97 Resp: 133480
Ion Ratio Lower Upper
97 100
99 63.3 50.0 75.0
61 48.3 36.1 54.1





#33
Carbon Tetrachloride
Concen: 19.494 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

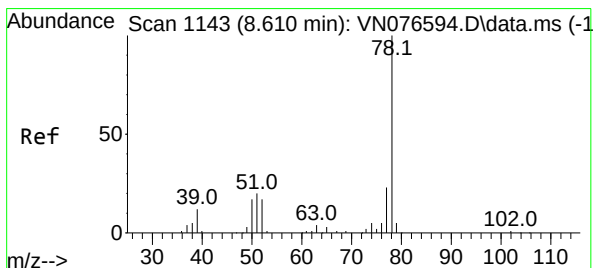
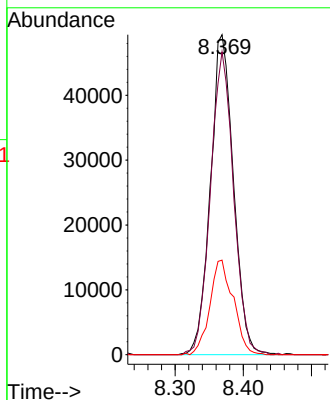
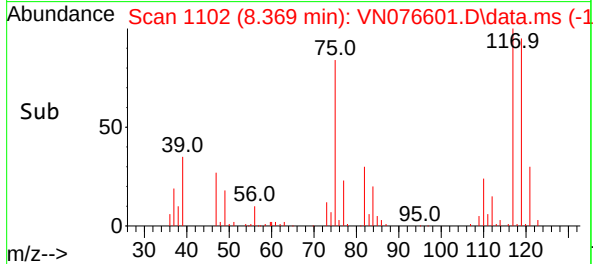
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 116199
Ion Ratio Lower Upper
117 100
119 94.6 77.8 116.6
121 29.6 27.6 41.4

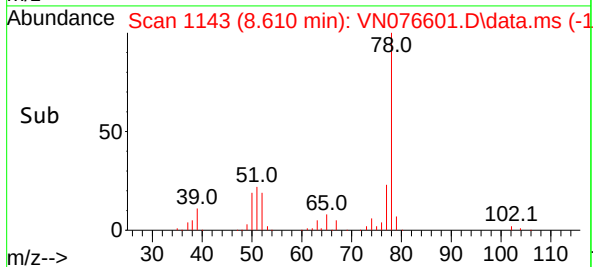
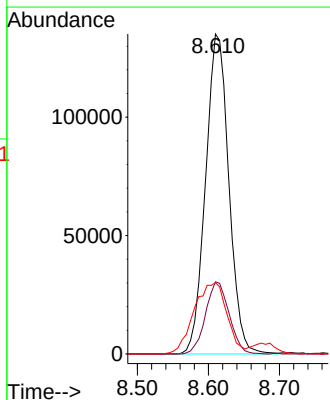
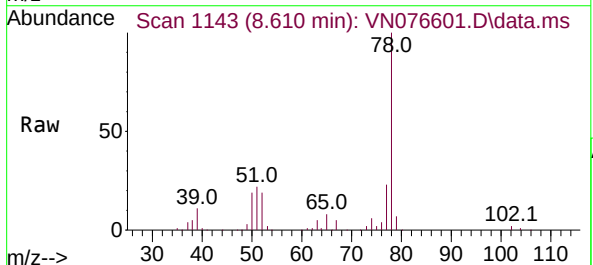
Manual Integrations
APPROVED

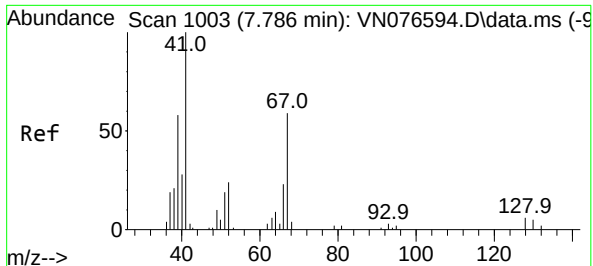
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#34
Benzene
Concen: 18.003 ug/l
RT: 8.610 min Scan# 1143
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

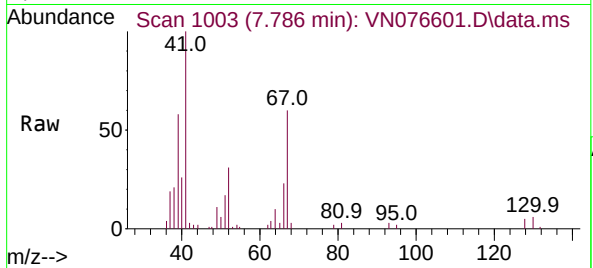
Tgt Ion: 78 Resp: 308067
Ion Ratio Lower Upper
78 100
77 22.5 19.9 29.9
51 20.9 21.1 31.7#





#35
Methacrylonitrile
Concen: 19.432 ug/l
RT: 7.786 min Scan# 1003
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

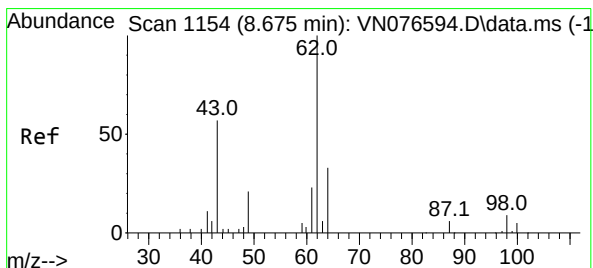
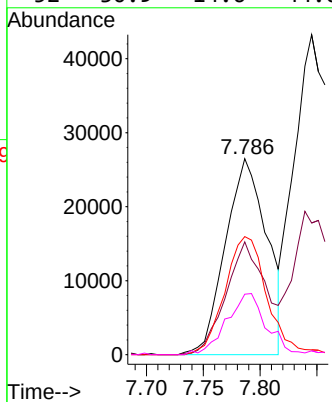
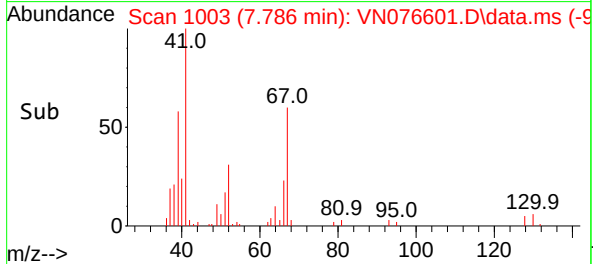
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



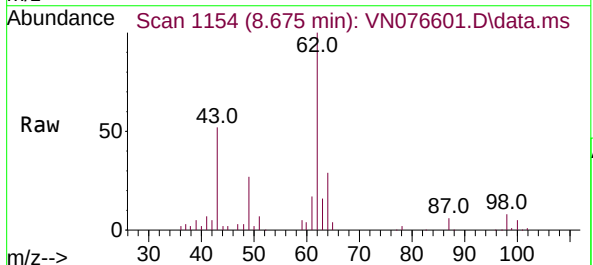
Tgt Ion: 41 Resp: 6716
Ion Ratio Lower Upper
41 100
39 57.5 27.7 83.1
67 60.2 38.0 113.9
52 30.9 14.6 44.0

Manual Integrations
APPROVED

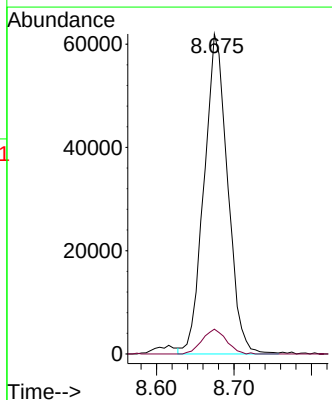
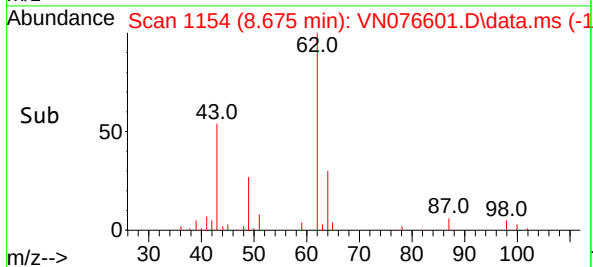
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

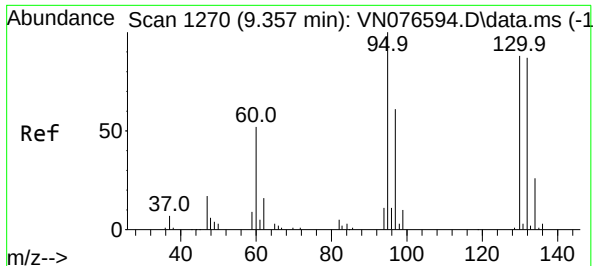


#36
1,2-Dichloroethane
Concen: 19.918 ug/l
RT: 8.675 min Scan# 1154
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10



Tgt Ion: 62 Resp: 130698
Ion Ratio Lower Upper
62 100
98 7.9 7.4 11.2





#37

Trichloroethene

Concen: 19.352 ug/l

RT: 9.357 min Scan# 11

Delta R.T. -0.002 min

Lab File: VN076601.D

Acq: 10 Feb 2023 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 6780

Ion Ratio Lower Upper

130 100

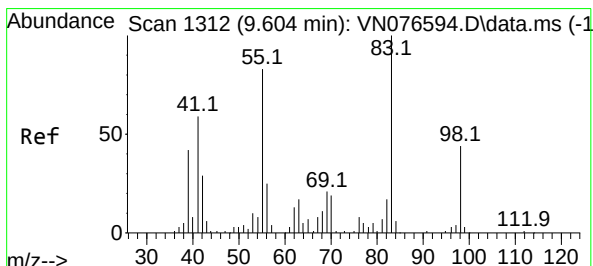
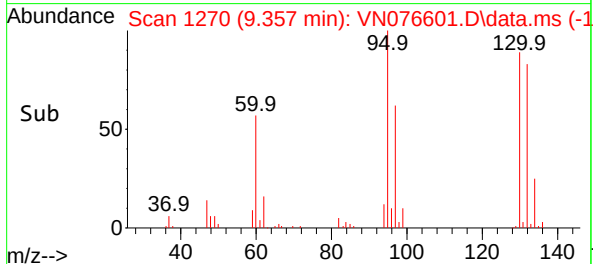
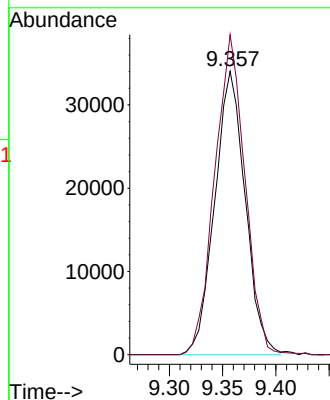
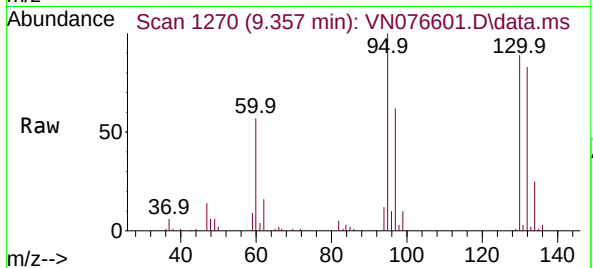
95 112.9 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#38

Methylcyclohexane

Concen: 19.528 ug/l

RT: 9.604 min Scan# 1312

Delta R.T. -0.002 min

Lab File: VN076601.D

Acq: 10 Feb 2023 10:10

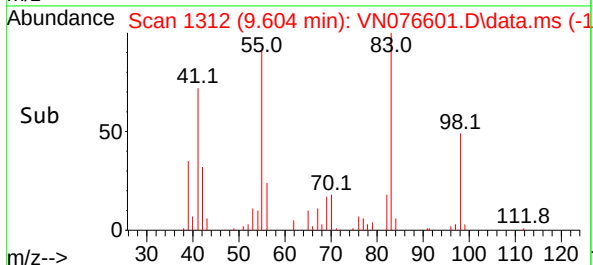
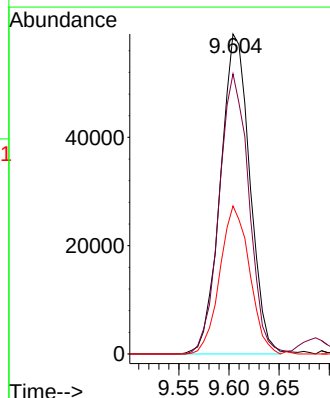
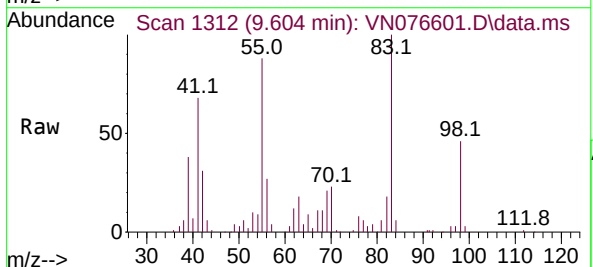
Tgt Ion: 83 Resp: 120373

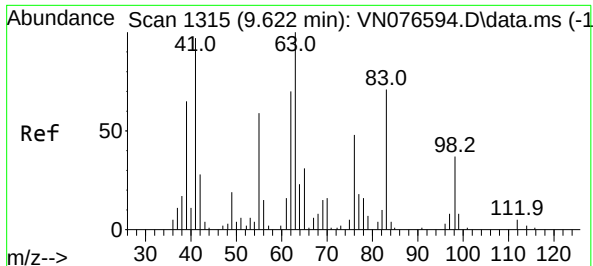
Ion Ratio Lower Upper

83 100

55 88.4 37.4 112.2

98 46.6 24.5 73.5





#39

1,2-Dichloropropane

Concen: 19.804 ug/l

RT: 9.622 min Scan# 1315

Delta R.T. -0.008 min

Lab File: VN076601.D

Acq: 10 Feb 2023 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 8087

Ion Ratio Lower Upper

63 100

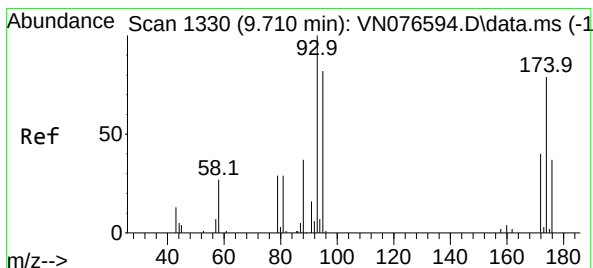
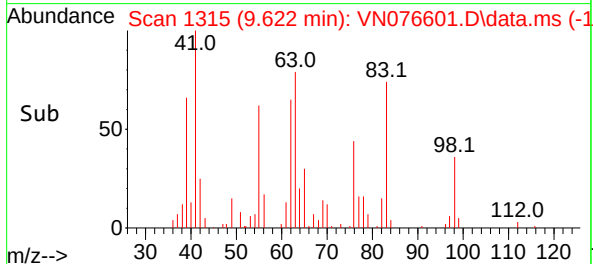
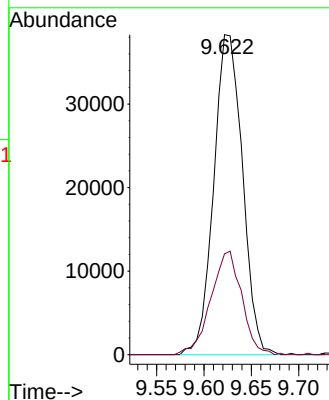
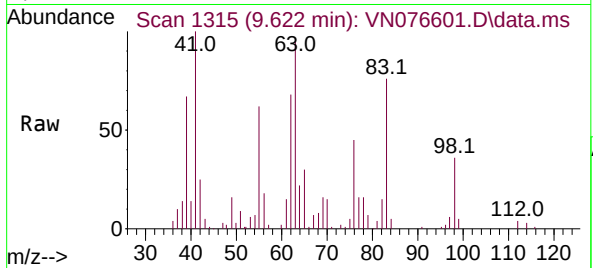
65 31.1 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#40

Dibromomethane

Concen: 20.060 ug/l

RT: 9.716 min Scan# 1331

Delta R.T. 0.004 min

Lab File: VN076601.D

Acq: 10 Feb 2023 10:10

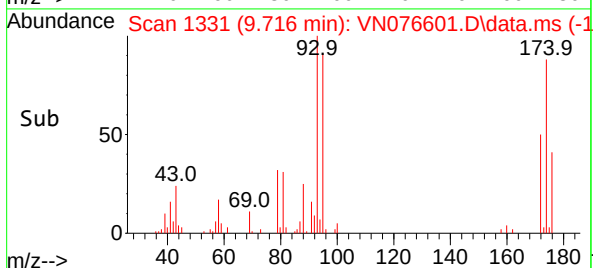
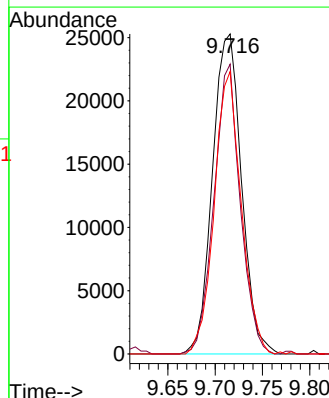
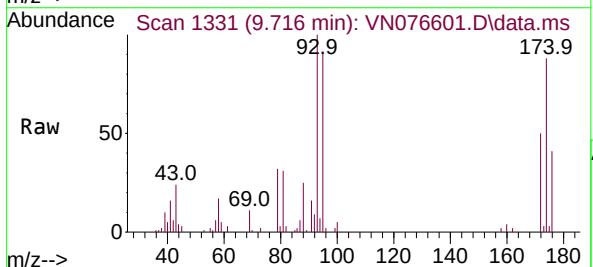
Tgt Ion: 93 Resp: 53892

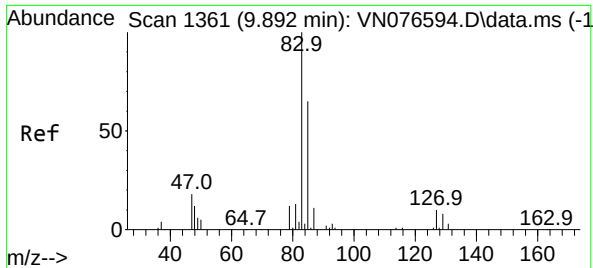
Ion Ratio Lower Upper

93 100

95 81.9 0.0 168.0

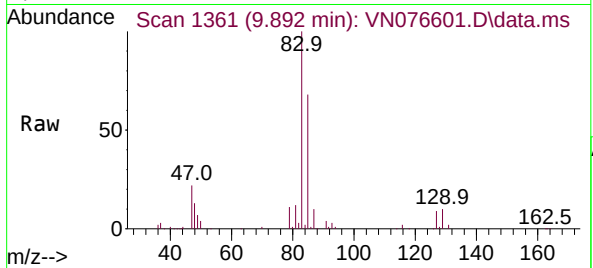
174 81.7 0.0 158.4





#41
Bromodichloromethane
Concen: 20.322 ug/l
RT: 9.892 min Scan# 114789
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

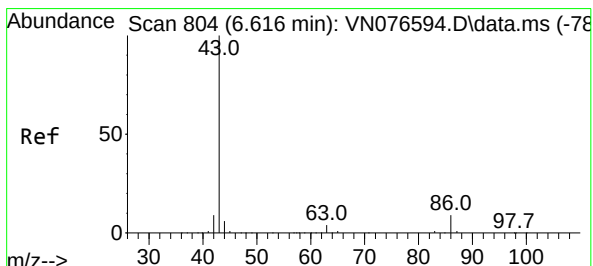
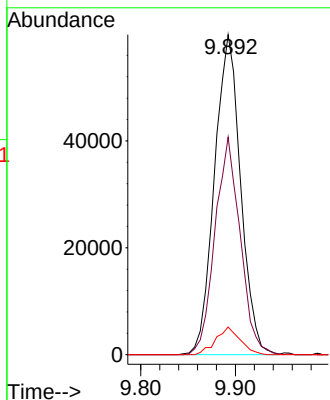
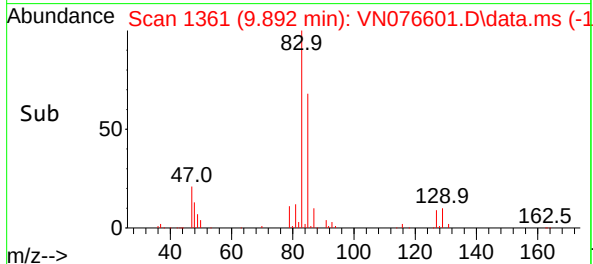
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



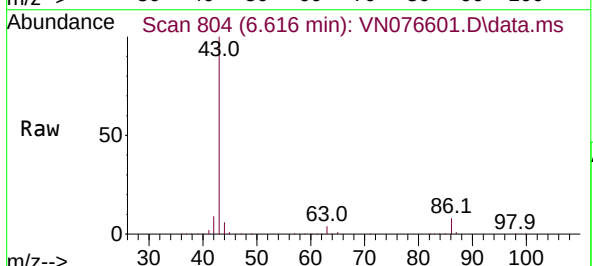
Tgt Ion: 83 Resp: 114789
Ion Ratio Lower Upper
83 100
85 68.0 50.2 75.4
127 8.7 5.1 7.7

Manual Integrations
APPROVED

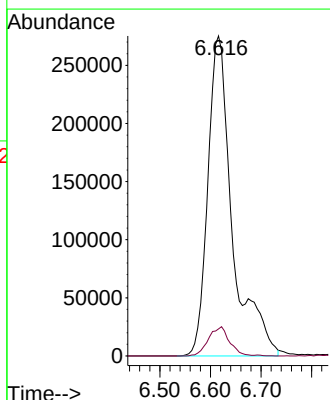
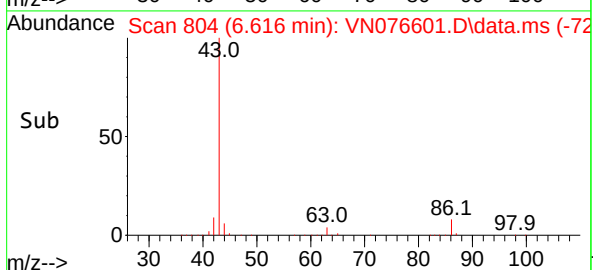
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

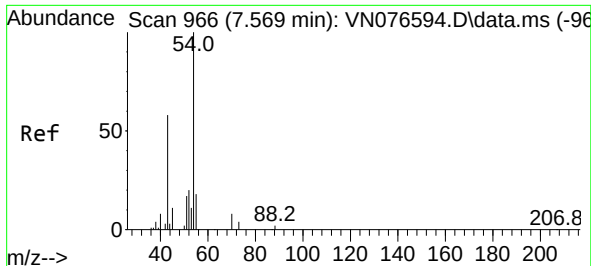


#42
Vinyl Acetate
Concen: 94.986 ug/l m
RT: 6.616 min Scan# 804
Delta R.T. -0.008 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10



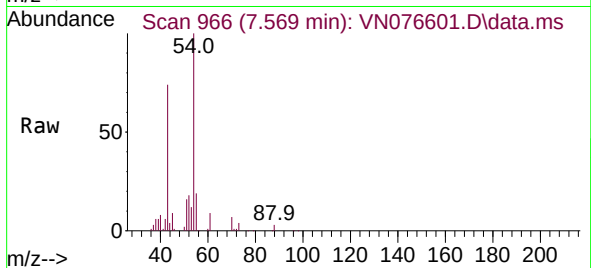
Tgt Ion: 43 Resp: 928765
Ion Ratio Lower Upper
43 100
86 7.8 7.5 11.3





#43
Ethyl Acetate
Concen: 18.125 ug/l m
RT: 7.569 min Scan# 966
Delta R.T. -0.014 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

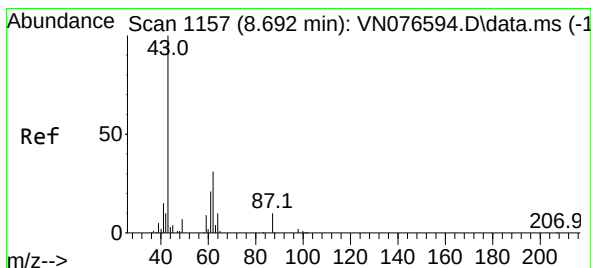
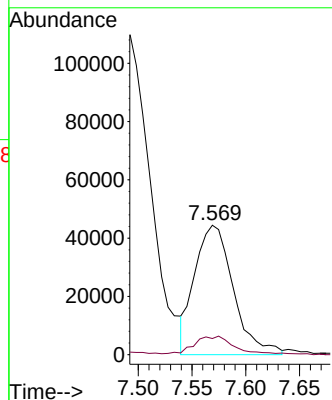
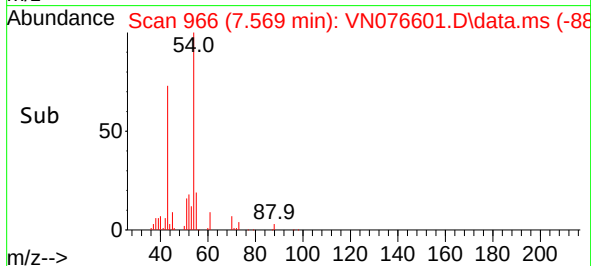
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 111100
Ion Ratio Lower Upper
43 100
45 6.1 11.5 17.3

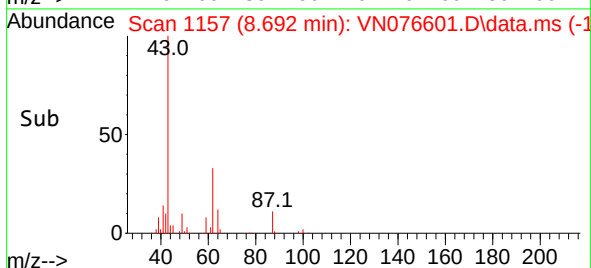
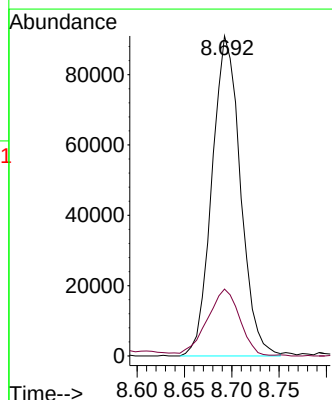
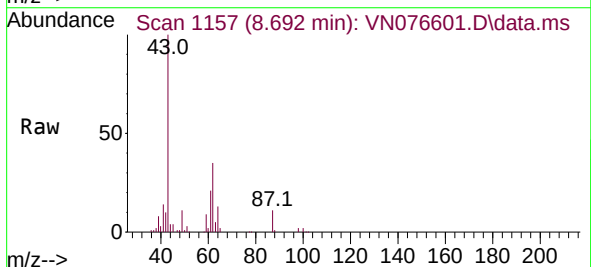
Manual Integrations
APPROVED

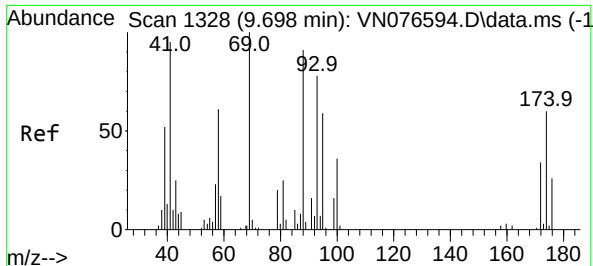
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#44
Isopropyl Acetate
Concen: 18.887 ug/l
RT: 8.692 min Scan# 1157
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion: 43 Resp: 190438
Ion Ratio Lower Upper
43 100
61 23.8 19.5 29.3





#45

1,4-Dioxane

Concen: 365.197 ug/l

RT: 9.698 min Scan# 1328

Delta R.T. -0.002 min

Lab File: VN076601.D

Acq: 10 Feb 2023 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 88 Resp: 3001

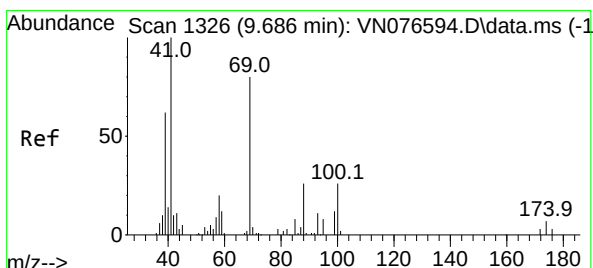
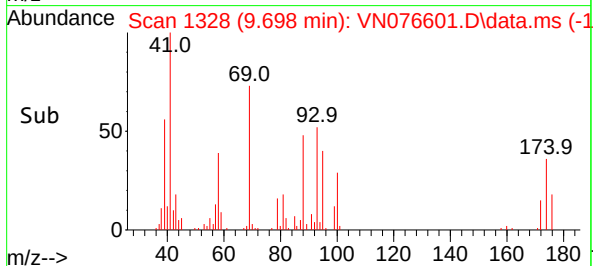
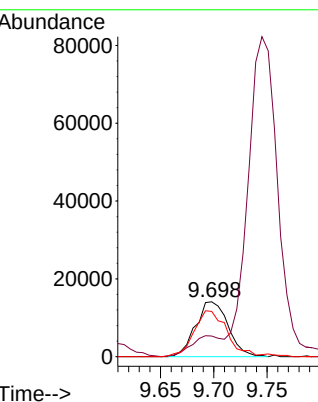
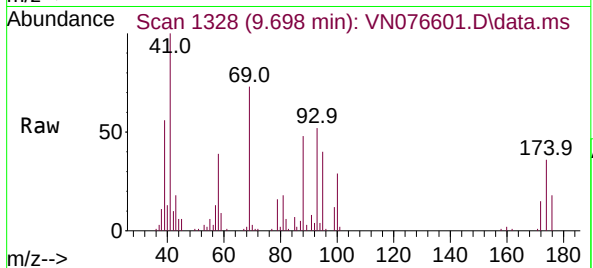
Ion	Ratio	Lower	Upper
88	100		
43	37.4	25.7	38.5
58	81.5	53.4	80.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#46

Methyl methacrylate

Concen: 19.505 ug/l

RT: 9.686 min Scan# 1326

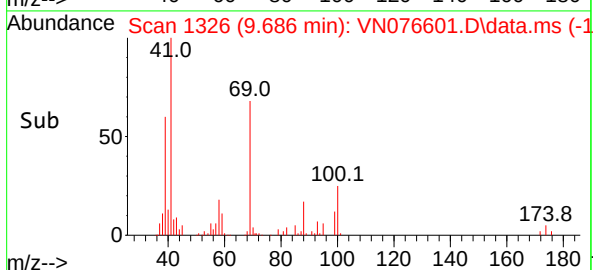
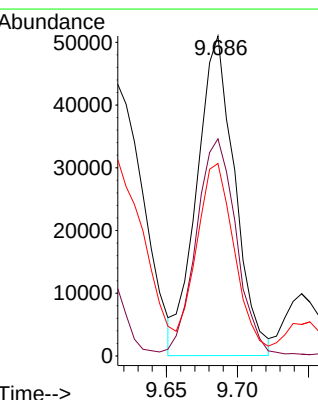
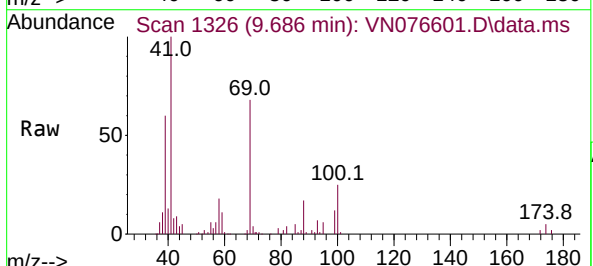
Delta R.T. -0.002 min

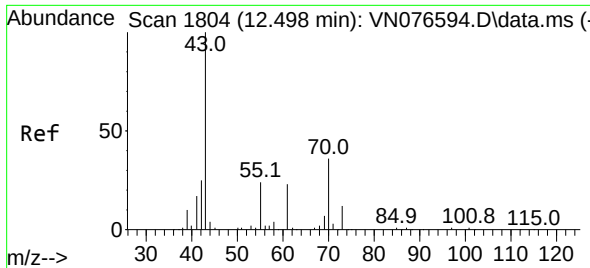
Lab File: VN076601.D

Acq: 10 Feb 2023 10:10

Tgt Ion: 41 Resp: 94821

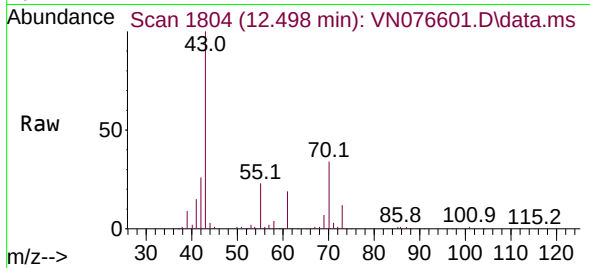
Ion	Ratio	Lower	Upper
41	100		
69	70.0	45.6	136.7
39	60.4	32.3	96.9





#47
n-amy1 Acetate
Concen: 19.508 ug/l
RT: 12.498 min Scan# 1804
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

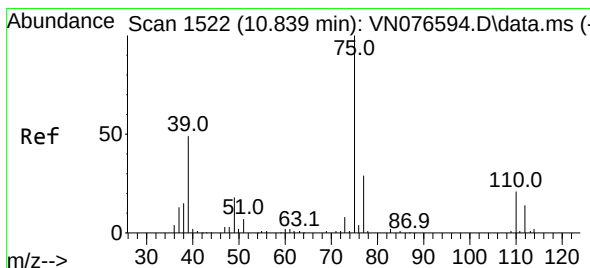
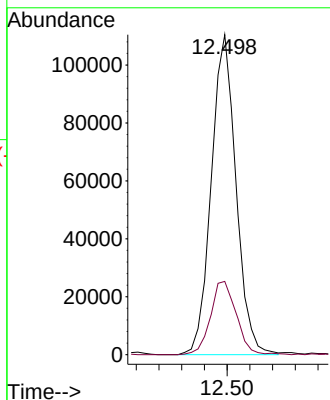
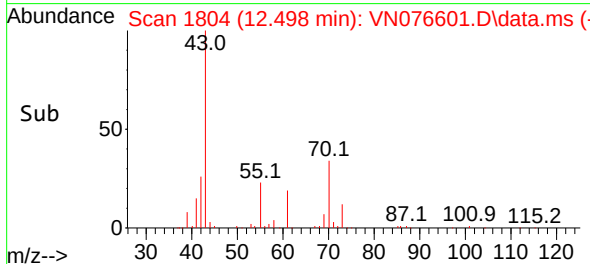
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 16719
Ion Ratio Lower Upper
43 100
55 23.7 16.8 25.2

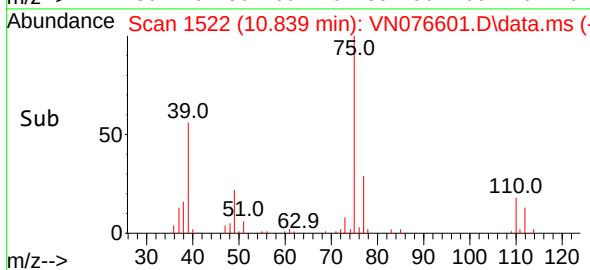
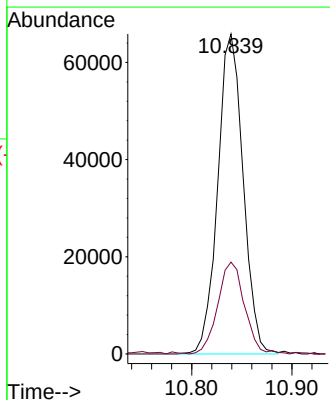
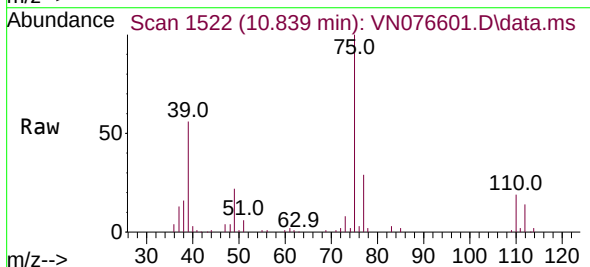
Manual Integrations
APPROVED

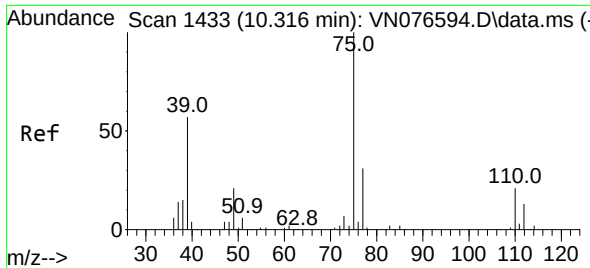
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#48
t-1,3-Dichloropropene
Concen: 20.365 ug/l
RT: 10.839 min Scan# 1522
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

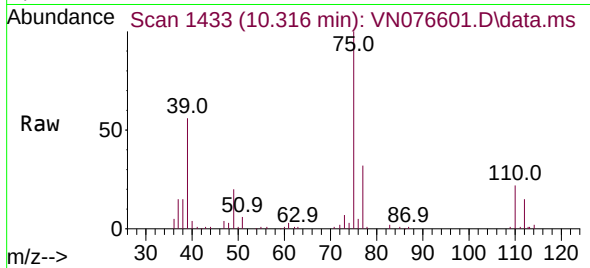
Tgt Ion: 75 Resp: 115795
Ion Ratio Lower Upper
75 100
77 28.4 25.8 38.8





#49
 cis-1,3-Dichloropropene
 Concen: 20.154 ug/l
 RT: 10.316 min Scan# 1433
 Delta R.T. -0.002 min
 Lab File: VN076601.D
 Acq: 10 Feb 2023 10:10

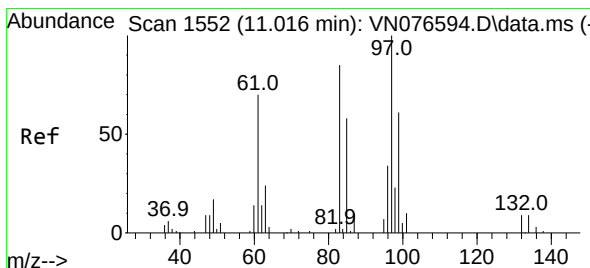
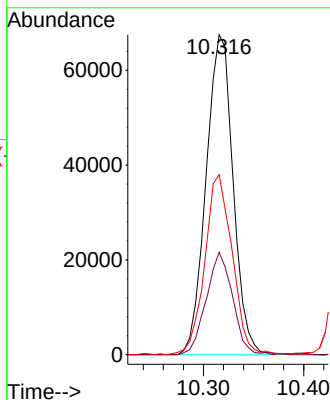
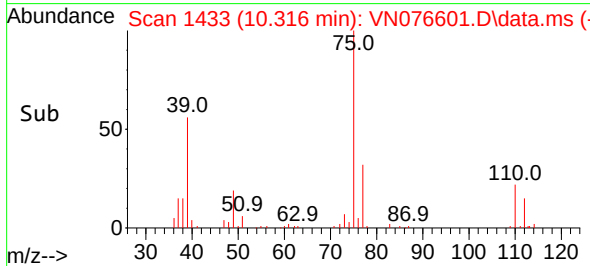
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 75 Resp: 126680
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.5 33.7
 39 55.9 37.6 56.4

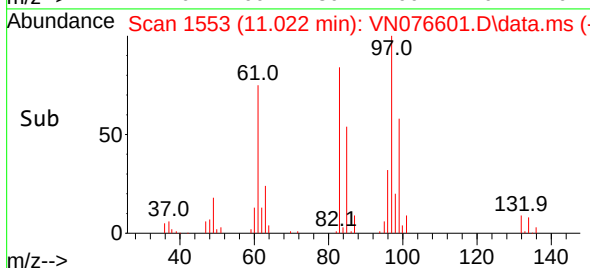
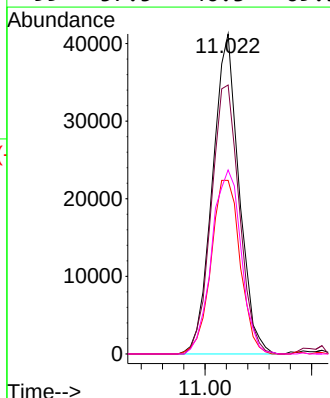
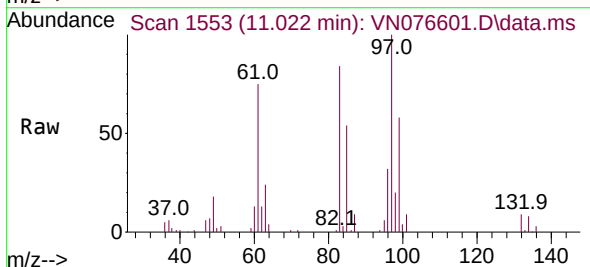
Manual Integrations
 APPROVED

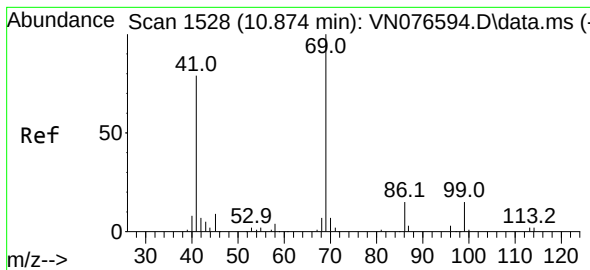
Reviewed By :John Carlone 02/13/2023
 Supervised By :Mahesh Dadoda 02/13/2023



#50
 1,1,2-Trichloroethane
 Concen: 19.591 ug/l
 RT: 11.022 min Scan# 1553
 Delta R.T. 0.004 min
 Lab File: VN076601.D
 Acq: 10 Feb 2023 10:10

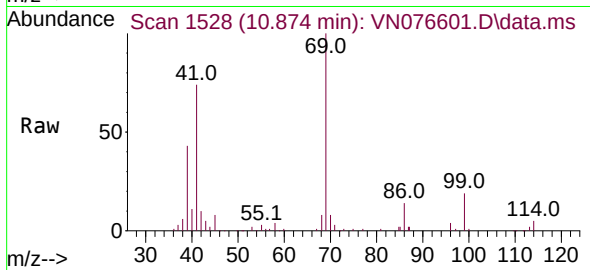
Tgt Ion: 97 Resp: 71478
 Ion Ratio Lower Upper
 97 100
 83 84.1 69.2 103.8
 85 54.3 41.4 62.2
 99 57.5 46.3 69.5





#51
Ethyl methacrylate
Concen: 20.409 ug/l
RT: 10.874 min Scan# 11823
Delta R.T. -0.003 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

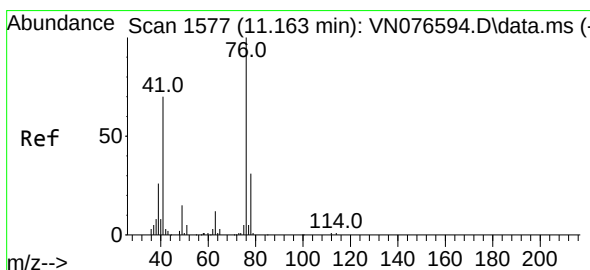
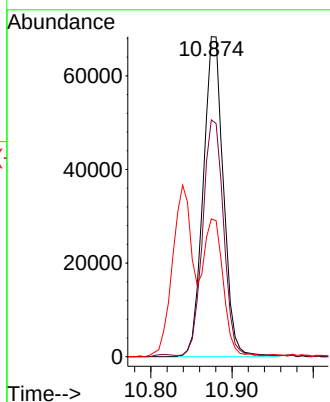
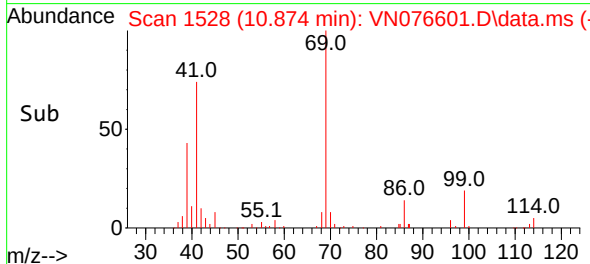
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



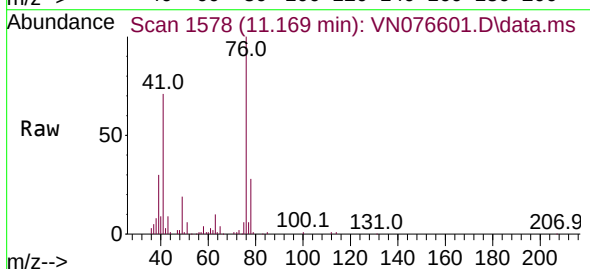
Tgt Ion: 69 Resp: 11823
Ion Ratio Lower Upper
69 100
41 73.6 32.5 97.5
39 41.6 21.5 64.5

Manual Integrations
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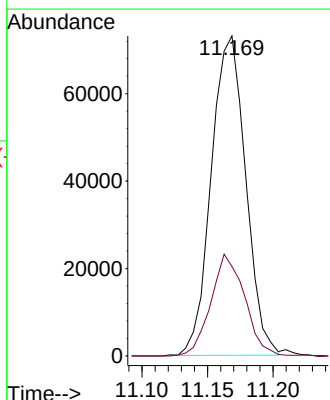
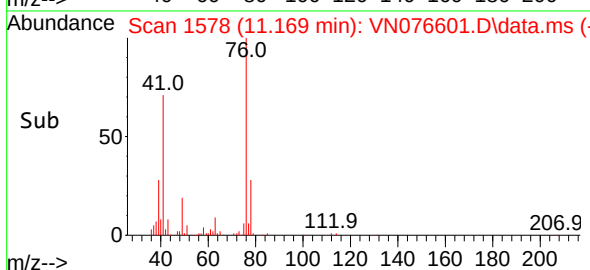
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

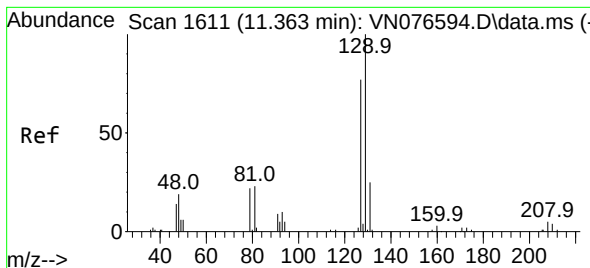


#52
1,3-Dichloropropane
Concen: 19.580 ug/l
RT: 11.169 min Scan# 1578
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10



Tgt Ion: 76 Resp: 133161
Ion Ratio Lower Upper
76 100
78 31.4 0.0 63.8





#53

Dibromochloromethane

Concen: 20.372 ug/l

RT: 11.363 min Scan# 1

Delta R.T. -0.002 min

Lab File: VN076601.D

Acq: 10 Feb 2023 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:129 Resp: 77234

Ion Ratio Lower Upper

129 100

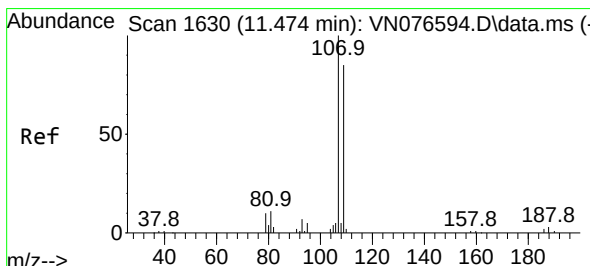
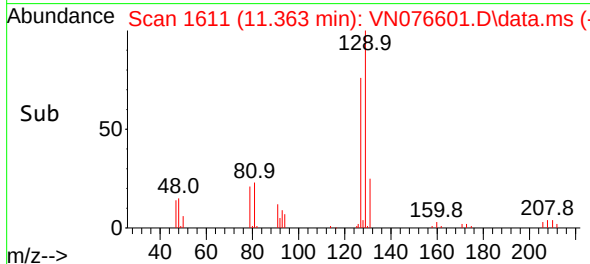
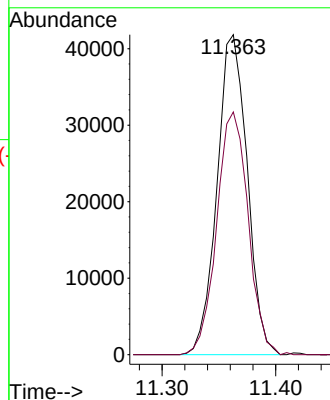
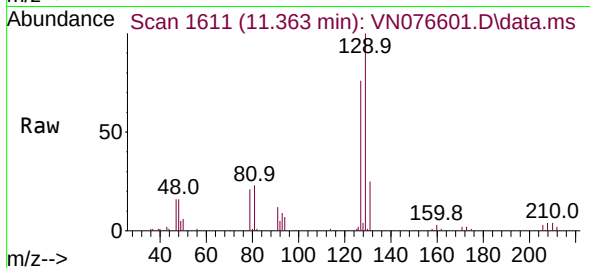
127 78.9 40.6 121.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#54

1,2-Dibromoethane

Concen: 20.216 ug/l

RT: 11.469 min Scan# 1629

Delta R.T. -0.002 min

Lab File: VN076601.D

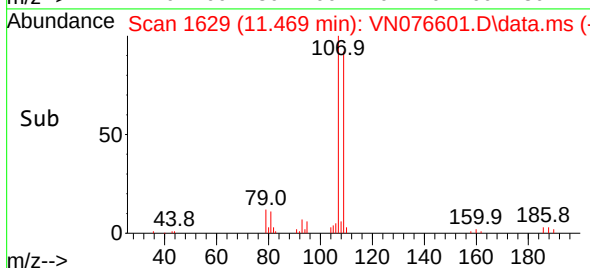
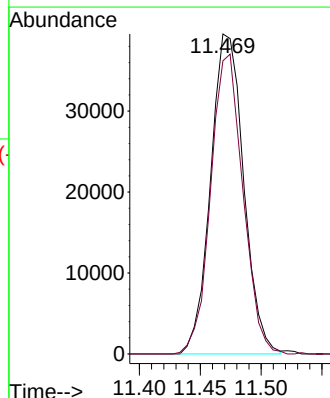
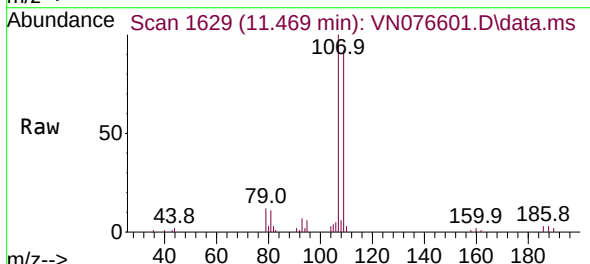
Acq: 10 Feb 2023 10:10

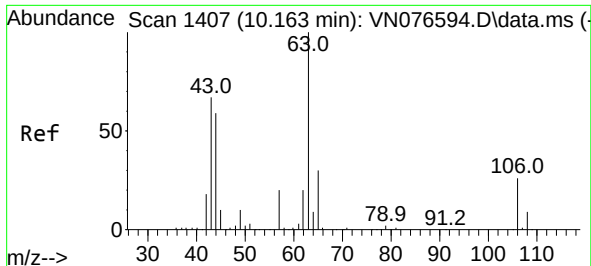
Tgt Ion:107 Resp: 74634

Ion Ratio Lower Upper

107 100

109 91.3 76.2 114.2





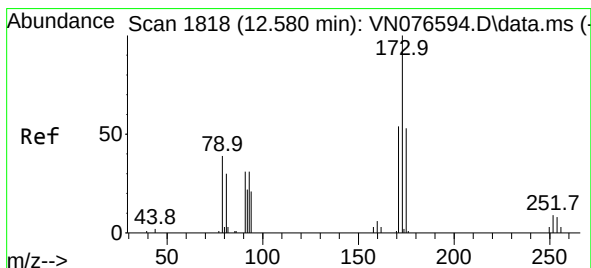
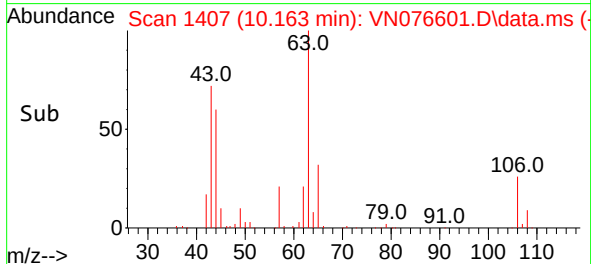
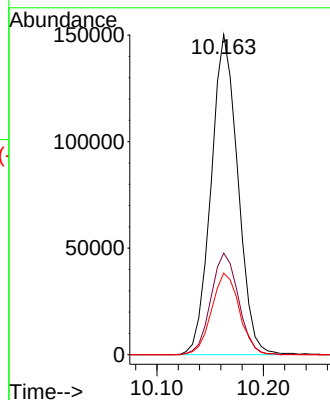
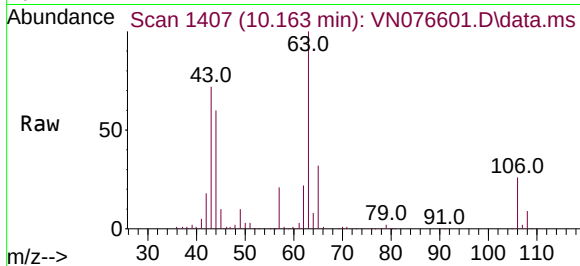
#55
2-Chloroethyl vinyl ether
Concen: 99.065 ug/l
RT: 10.163 min Scan# 1407
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 262145
Ion Ratio Lower Upper
63 100
65 32.6 24.6 36.8
106 26.5 21.3 31.9

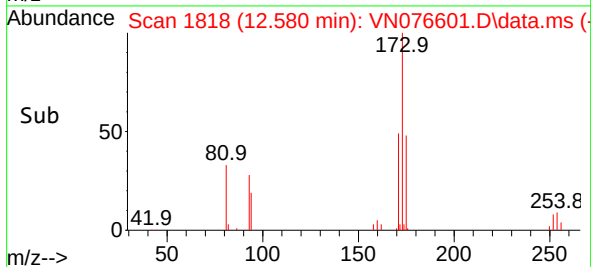
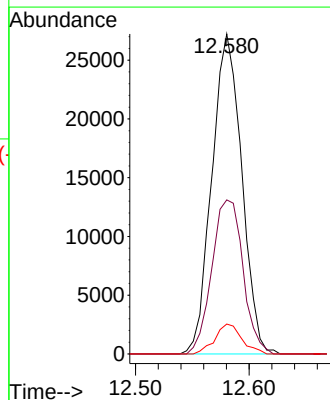
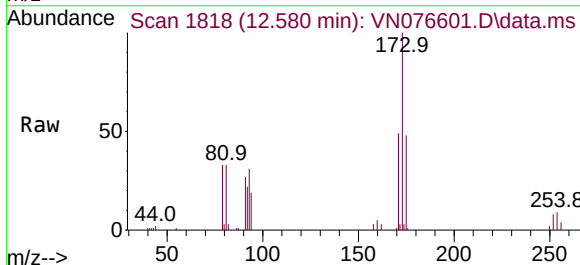
Manual Integrations
APPROVED

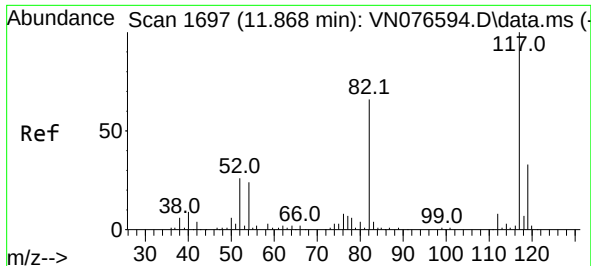
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#56
Bromoform
Concen: 20.354 ug/l
RT: 12.580 min Scan# 1818
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

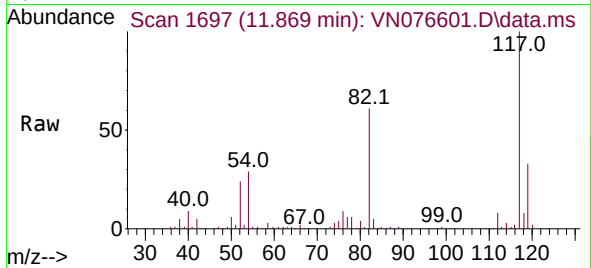
Tgt Ion:173 Resp: 49698
Ion Ratio Lower Upper
173 100
175 50.2 39.1 58.7
254 8.5 7.0 10.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.869 min Scan# 117
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

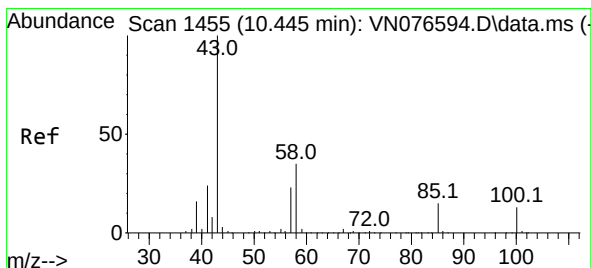
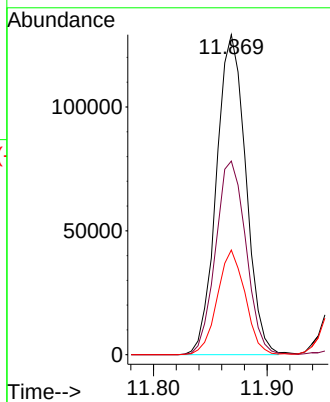
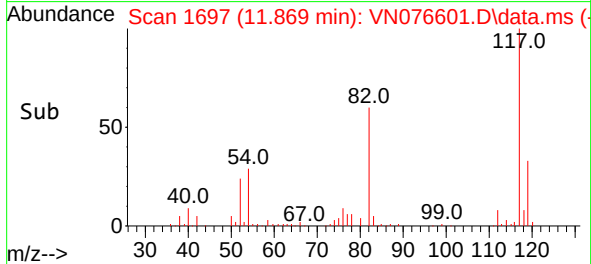
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 232368
Ion Ratio Lower Upper
117 100
82 62.5 44.6 67.0
119 31.0 25.6 38.4

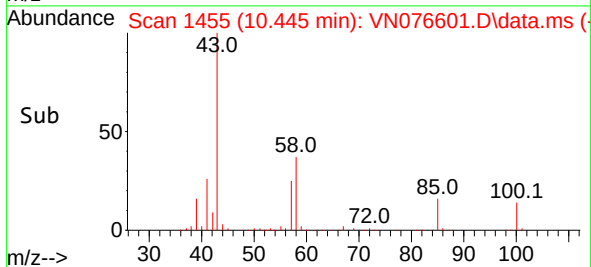
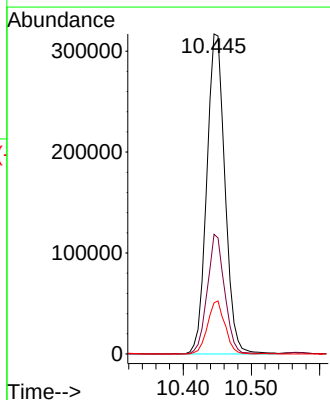
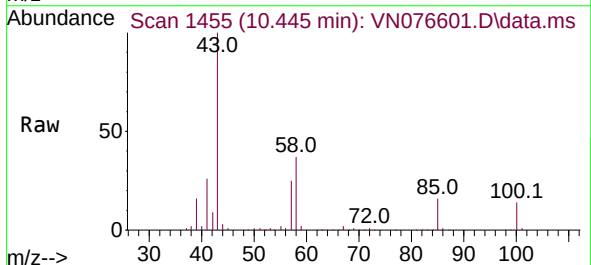
Manual Integrations
APPROVED

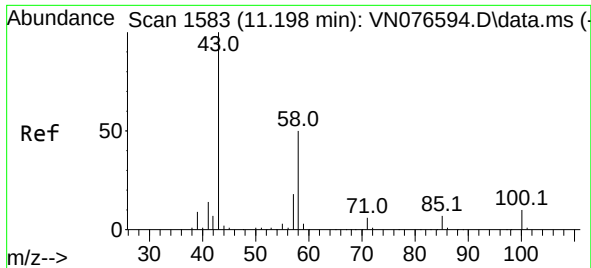
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#58
4-Methyl-2-Pentanone
Concen: 90.678 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

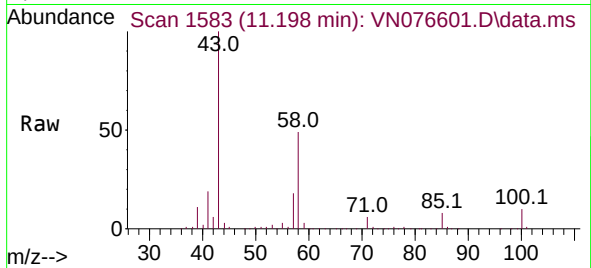
Tgt Ion: 43 Resp: 589026
Ion Ratio Lower Upper
43 100
58 35.7 30.8 46.2
85 15.8 13.3 19.9





#59
2-Hexanone
Concen: 92.271 ug/l
RT: 11.198 min Scan# 1583
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

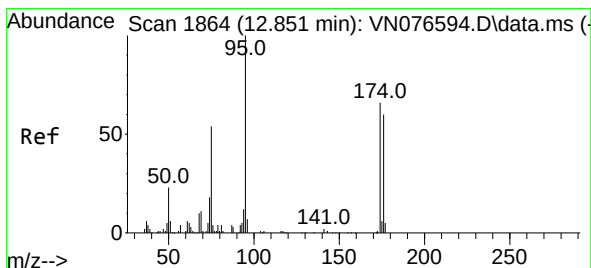
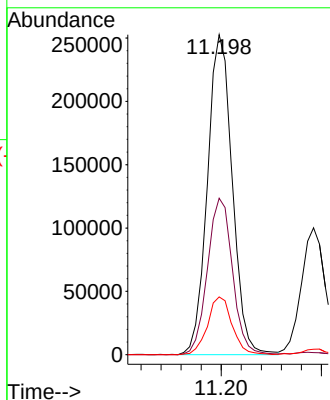
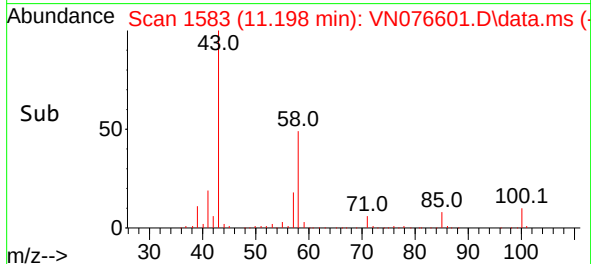
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 43579
Ion Ratio Lower Upper
43 100
58 49.2 43.6 65.4
57 17.8 14.3 21.5

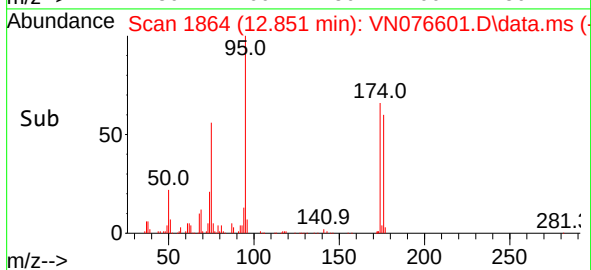
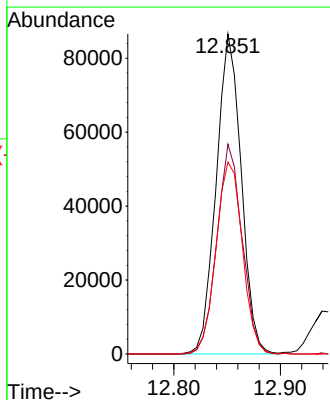
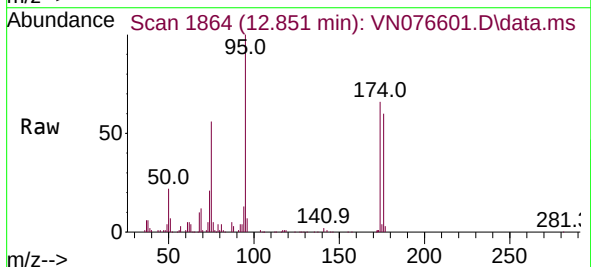
Manual Integrations
APPROVED

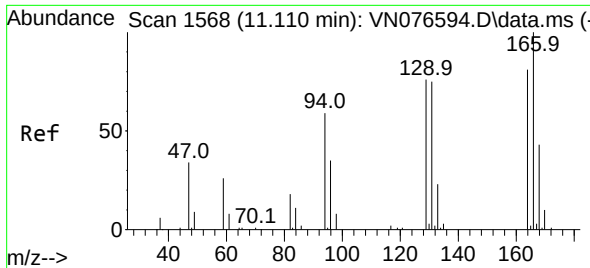
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#60
4-Bromofluorobenzene
Concen: 26.935 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

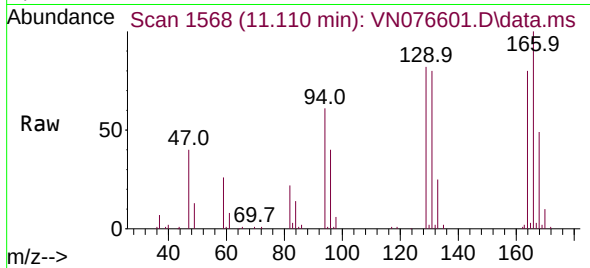
Tgt Ion: 95 Resp: 141298
Ion Ratio Lower Upper
95 100
174 65.9 57.8 86.8
176 63.2 57.0 85.4





#61
Tetrachloroethene
Concen: 18.681 ug/l
RT: 11.110 min Scan# 1568
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

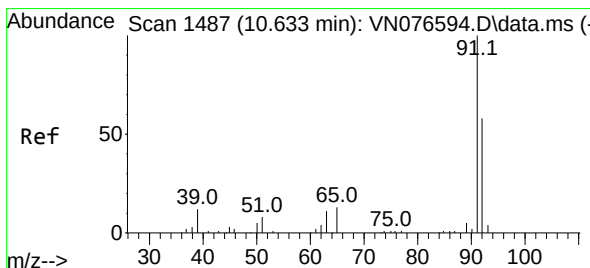
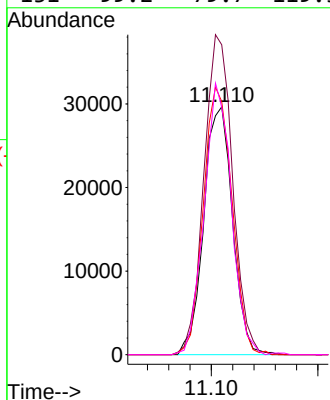
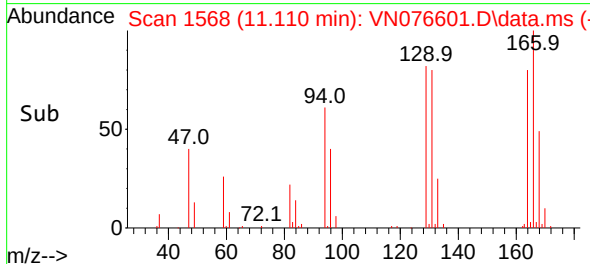
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



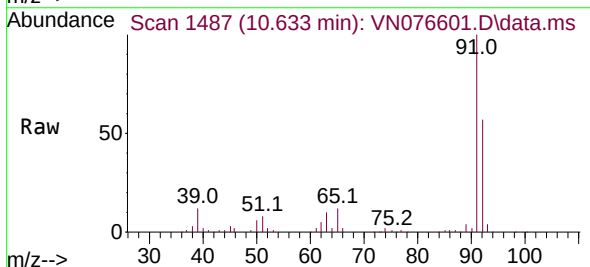
Tgt Ion:164 Resp: 5548
Ion Ratio Lower Upper
164 100
166 124.5 99.6 149.4
129 102.2 84.0 126.0
131 99.2 79.7 119.5

Manual Integrations
APPROVED

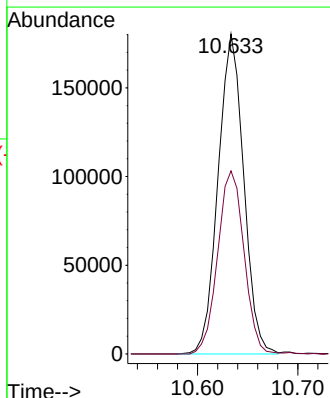
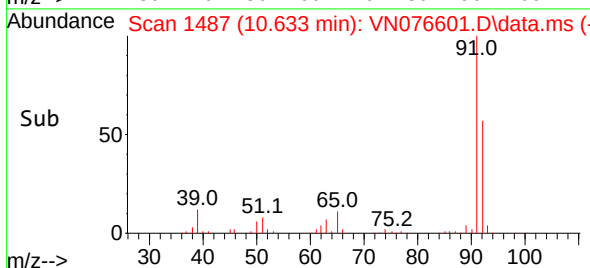
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

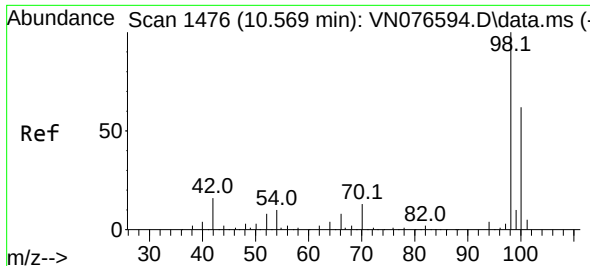


#62
Toluene
Concen: 18.569 ug/l
RT: 10.633 min Scan# 1487
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10



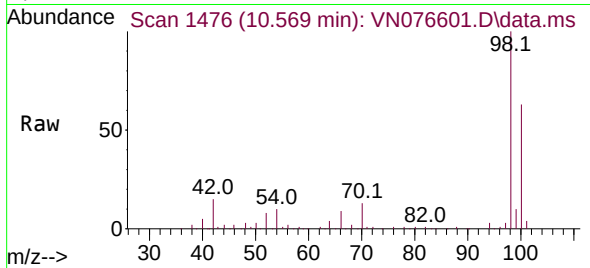
Tgt Ion: 91 Resp: 319903
Ion Ratio Lower Upper
91 100
92 58.8 46.0 69.0





#63
Toluene-d8
Concen: 29.020 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

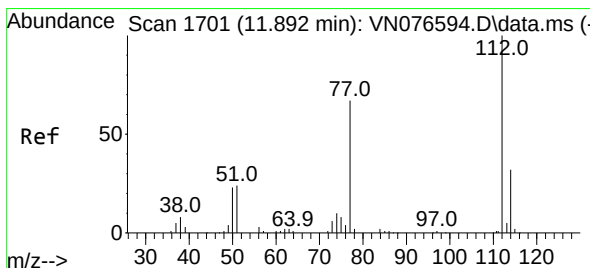
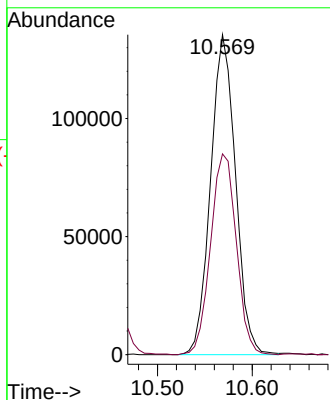
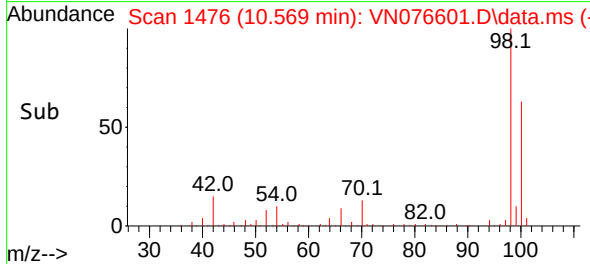
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 98 Resp: 247603
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1

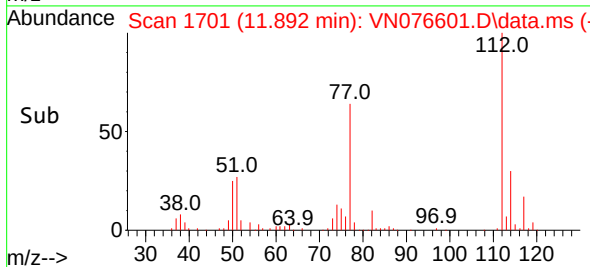
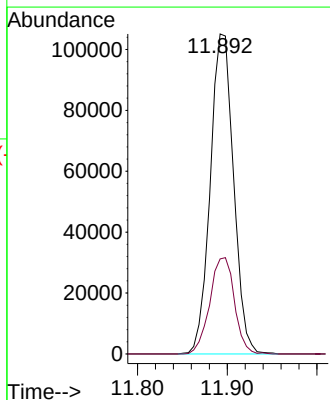
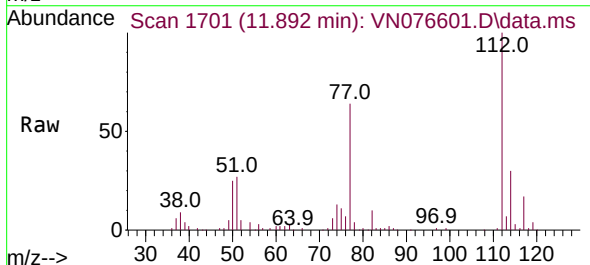
Manual Integrations
APPROVED

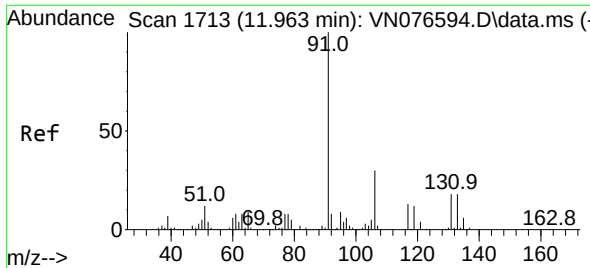
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#64
Chlorobenzene
Concen: 19.007 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion:112 Resp: 189692
Ion Ratio Lower Upper
112 100
114 29.7 24.7 37.1





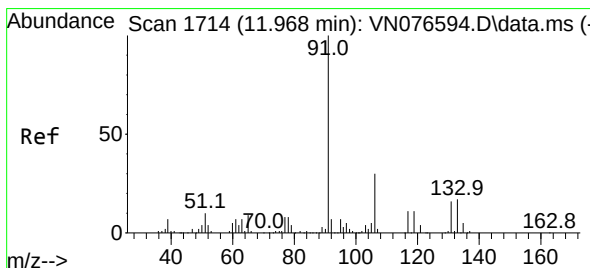
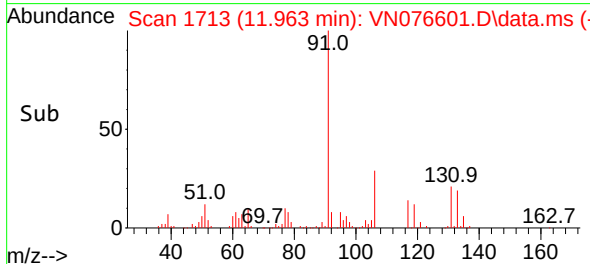
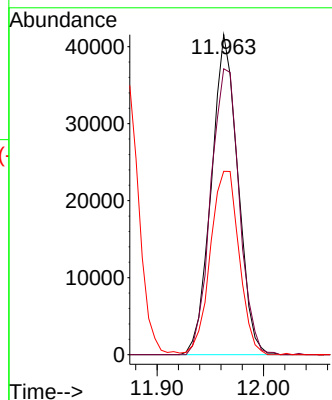
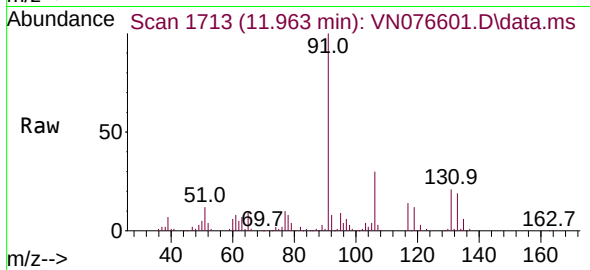
#65
1,1,1,2-Tetrachloroethane
Concen: 19.018 ug/l
RT: 11.963 min Scan# 1713
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:131 Resp: 71954
Ion Ratio Lower Upper
131 100
133 95.4 0.0 191.8
119 61.9 0.0 135.8

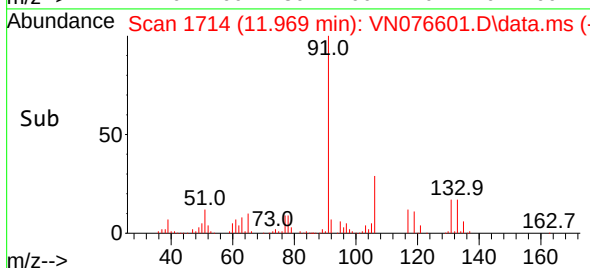
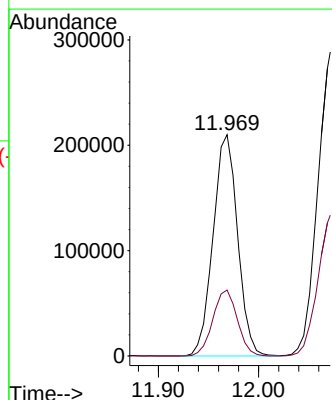
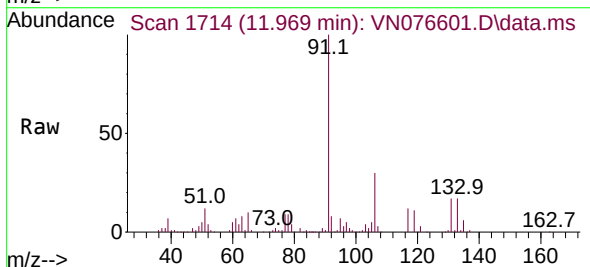
Manual Integrations
APPROVED

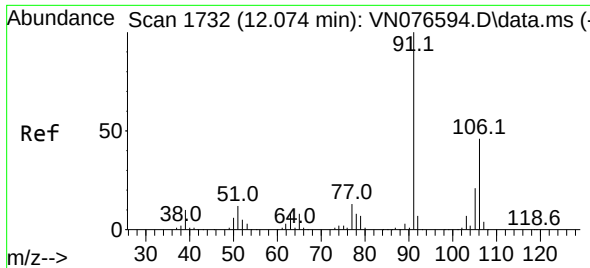
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#66
Ethyl Benzene
Concen: 18.882 ug/l
RT: 11.969 min Scan# 1714
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion: 91 Resp: 356625
Ion Ratio Lower Upper
91 100
106 29.8 24.1 36.1





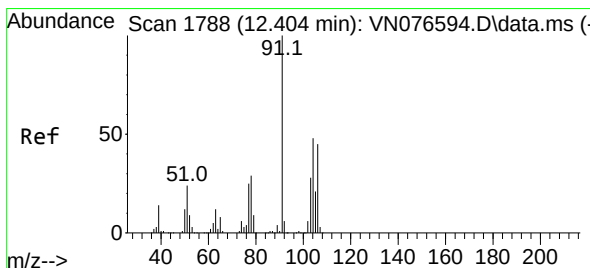
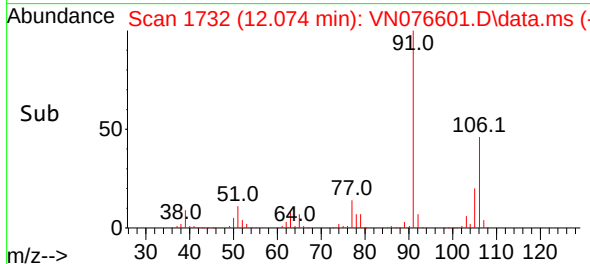
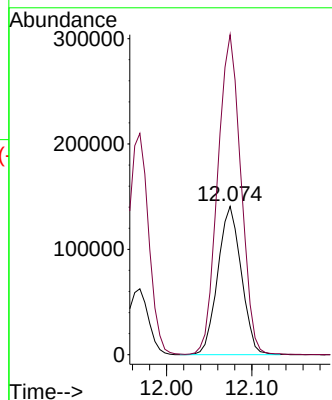
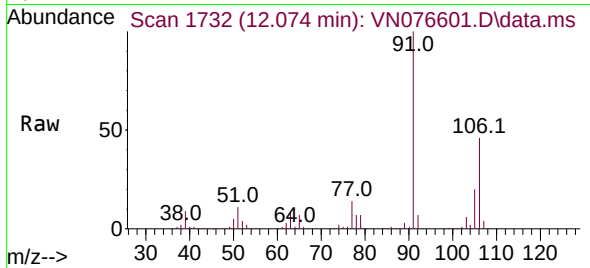
#67
m/p-Xylenes
Concen: 37.958 ug/l
RT: 12.074 min Scan# 1732
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 268984
Ion Ratio Lower Upper
106 100
91 213.0 164.2 246.4

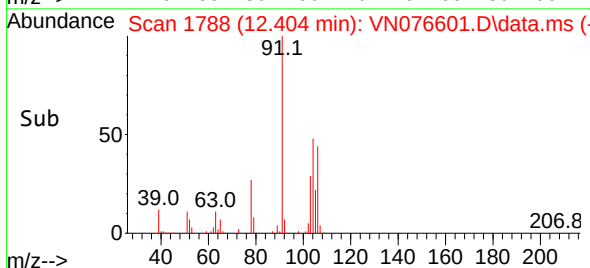
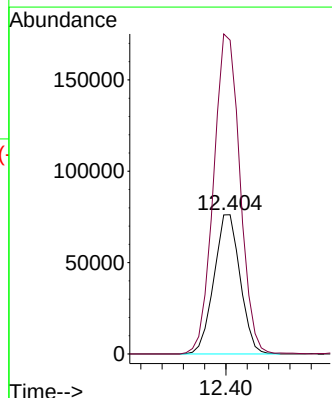
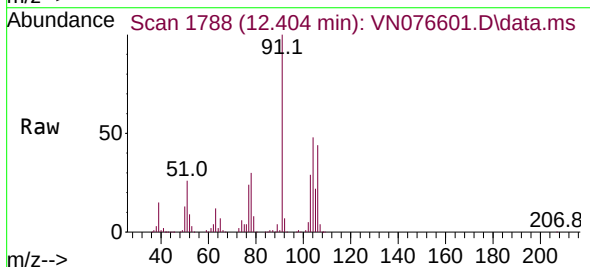
Manual Integrations
APPROVED

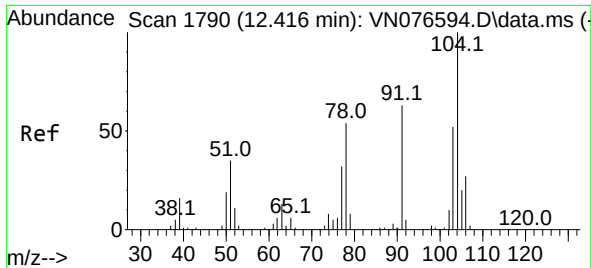
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#68
o-Xylene
Concen: 18.648 ug/l
RT: 12.404 min Scan# 1788
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion:106 Resp: 130191
Ion Ratio Lower Upper
106 100
91 230.9 108.5 325.5





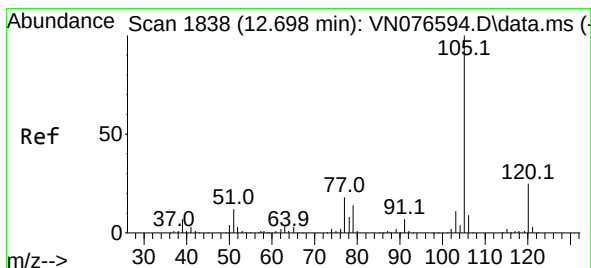
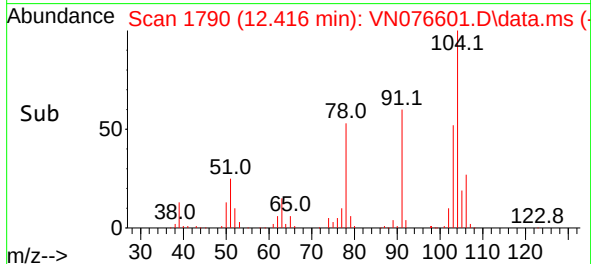
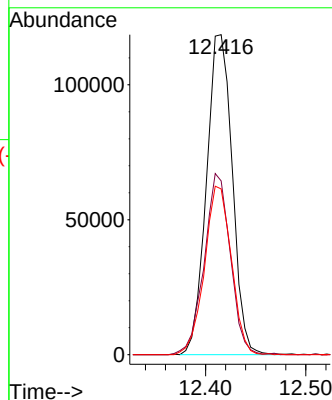
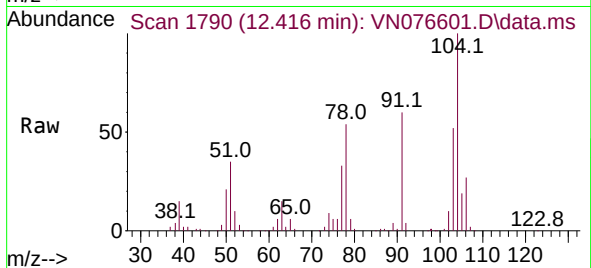
#69
Styrene
Concen: 19.208 ug/l
RT: 12.416 min Scan# 11
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 21284
Ion Ratio Lower Upper
104 100
78 56.9 39.9 59.9
103 54.5 43.8 65.8

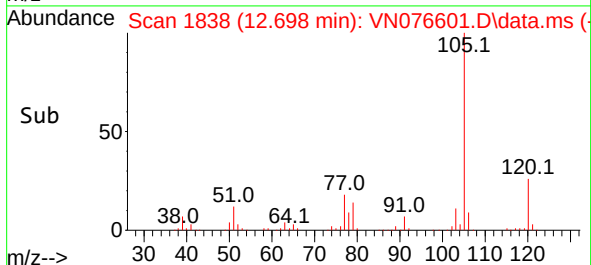
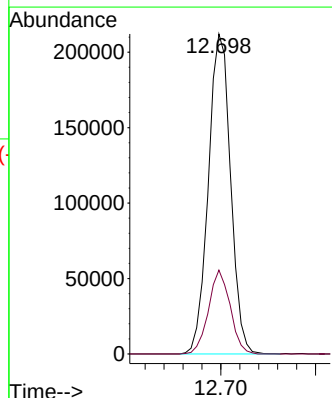
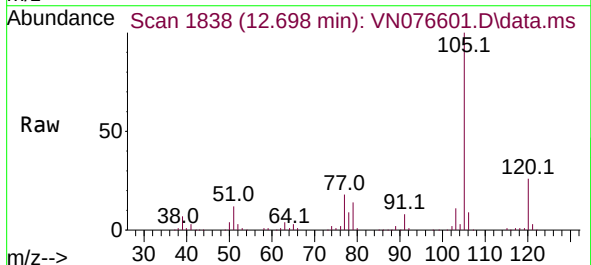
Manual Integrations
APPROVED

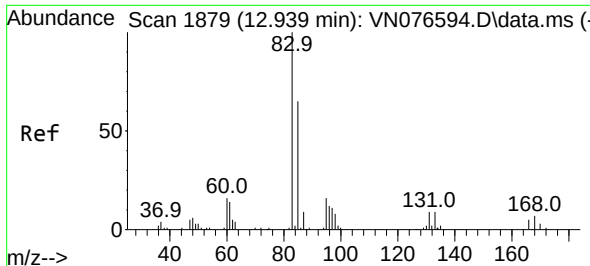
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#70
Isopropylbenzene
Concen: 18.480 ug/l
RT: 12.698 min Scan# 1838
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion:105 Resp: 345737
Ion Ratio Lower Upper
105 100
120 25.5 18.5 34.3





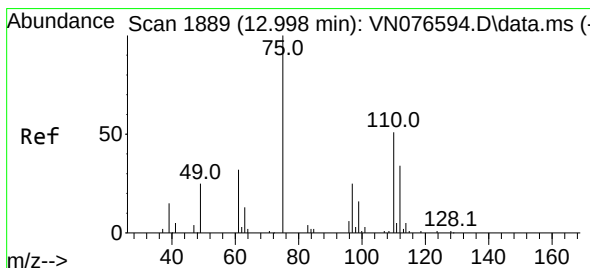
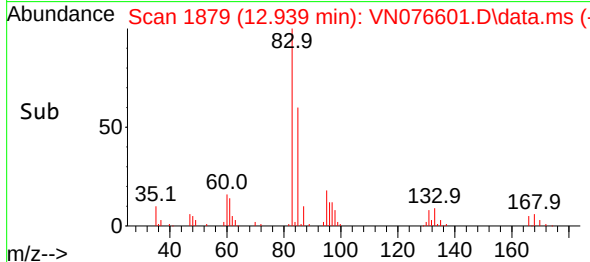
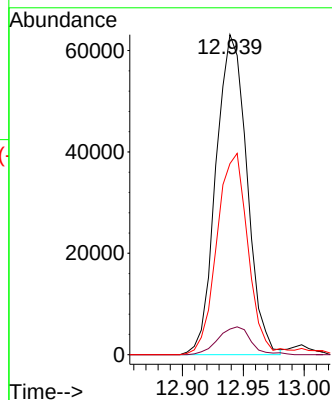
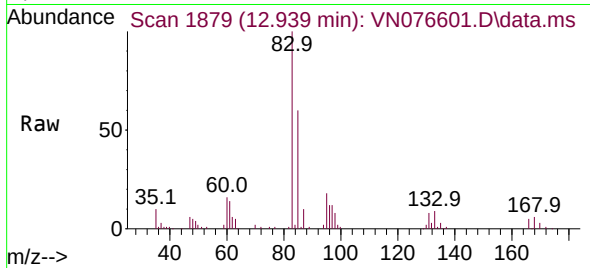
#71
1,1,2,2-Tetrachloroethane
Concen: 17.145 ug/l
RT: 12.939 min Scan# 1879
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 11183
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.5
85 62.5 30.9 92.7

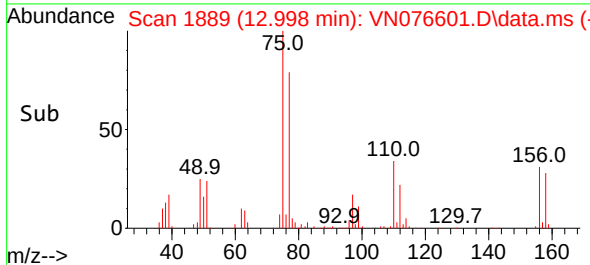
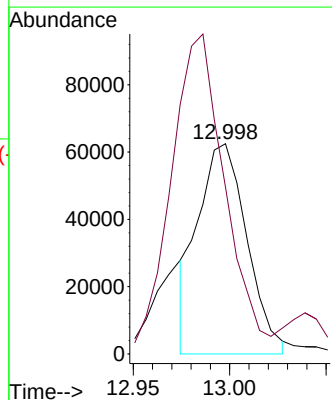
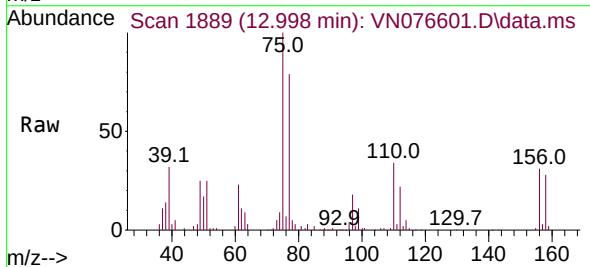
Manual Integrations
APPROVED

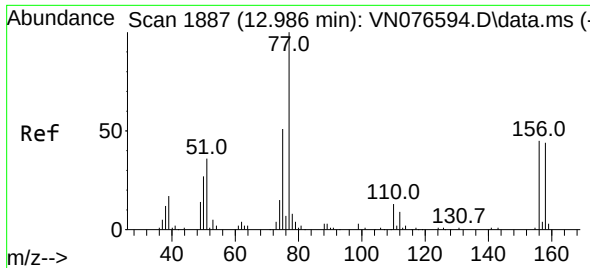
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#72
1,2,3-Trichloropropane
Concen: 18.505 ug/l m
RT: 12.998 min Scan# 1889
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion: 75 Resp: 110242
Ion Ratio Lower Upper
75 100
77 168.1 0.0 372.4





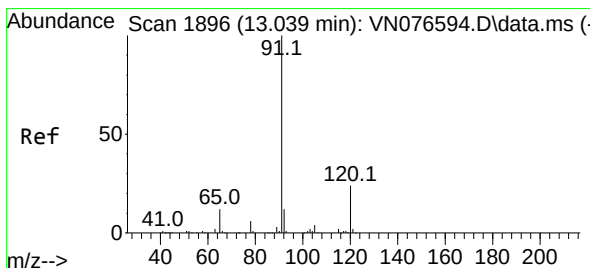
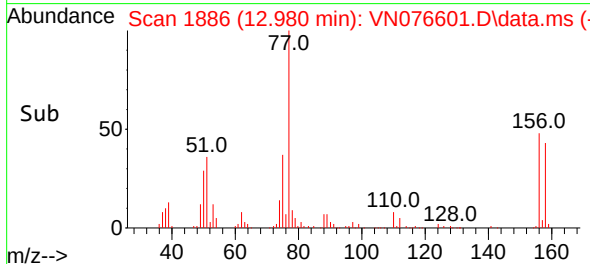
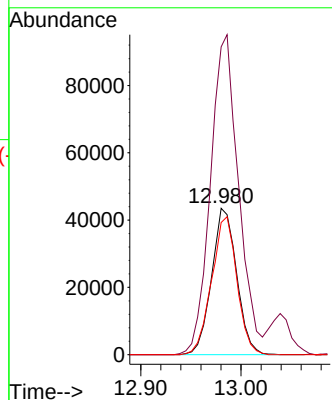
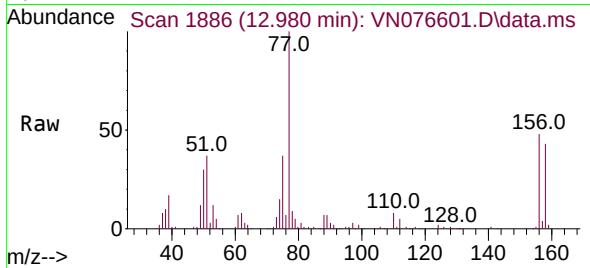
#73
Bromobenzene
Concen: 16.994 ug/l
RT: 12.980 min Scan# 1886
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:156 Resp: 75440
Ion Ratio Lower Upper
156 100
77 245.7 0.0 491.8
158 95.0 0.0 185.0

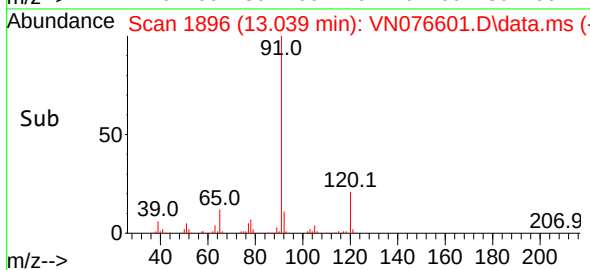
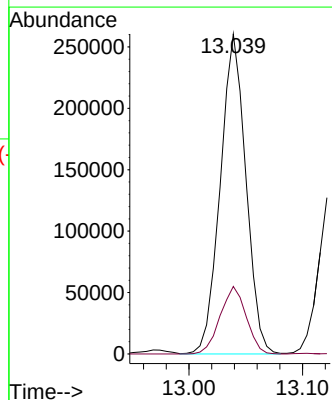
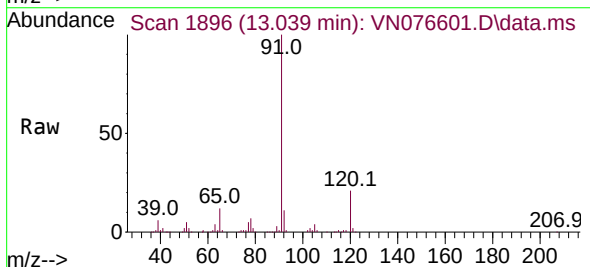
Manual Integrations
APPROVED

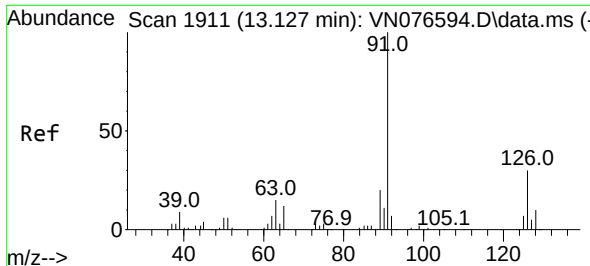
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#74
n-propylbenzene
Concen: 16.996 ug/l
RT: 13.039 min Scan# 1896
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion: 91 Resp: 407828
Ion Ratio Lower Upper
91 100
120 21.4 0.0 44.6





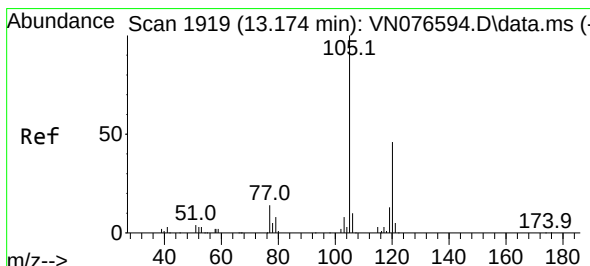
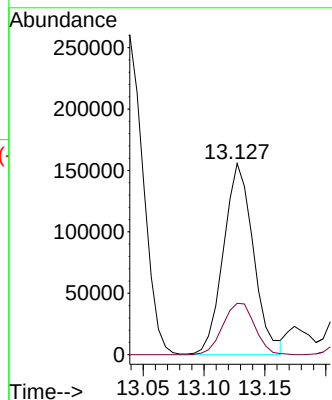
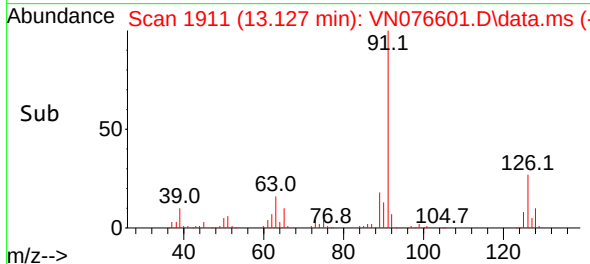
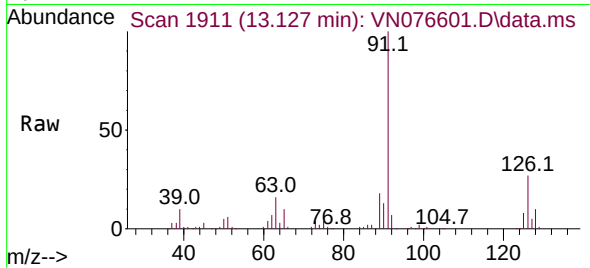
#75
2-Chlorotoluene
Concen: 17.740 ug/l
RT: 13.127 min Scan# 1911
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 267762
Ion Ratio Lower Upper
91 100
126 28.5 0.0 66.2

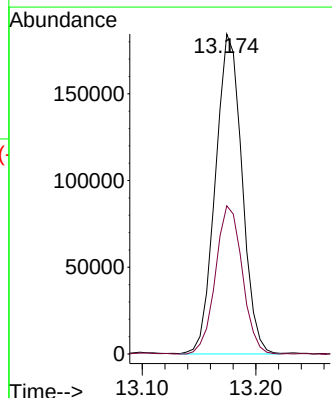
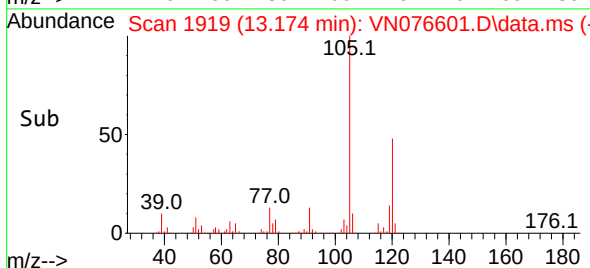
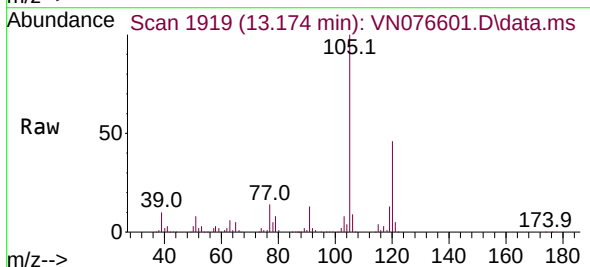
Manual Integrations
APPROVED

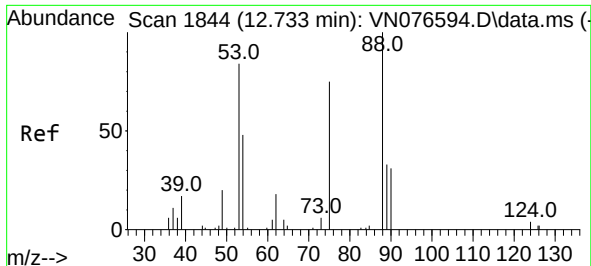
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#76
1,3,5-Trimethylbenzene
Concen: 17.211 ug/l
RT: 13.174 min Scan# 1919
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

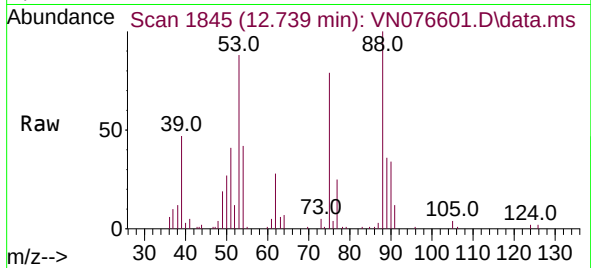
Tgt Ion:105 Resp: 300689
Ion Ratio Lower Upper
105 100
120 46.5 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 17.949 ug/l
RT: 12.739 min Scan# 1844
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

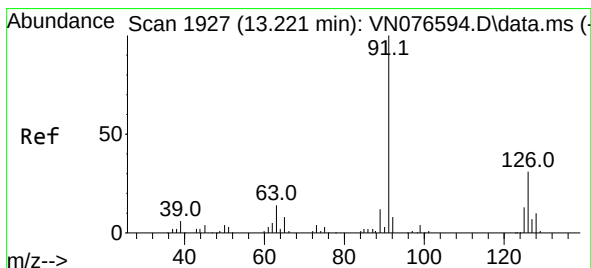
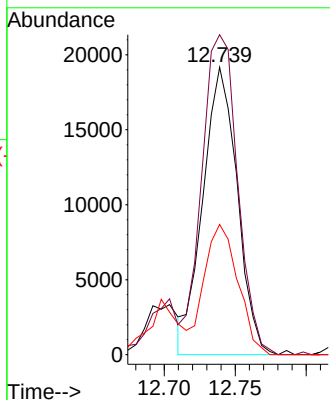
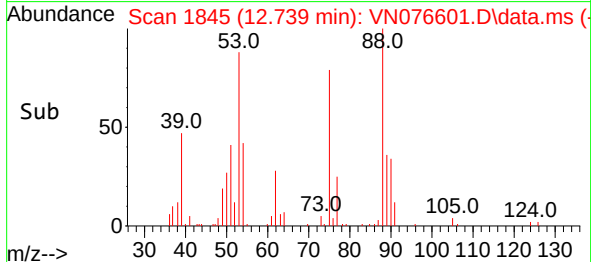
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 3225
Ion Ratio Lower Upper
75 100
53 111.4 43.3 129.9
89 45.3 21.1 63.1

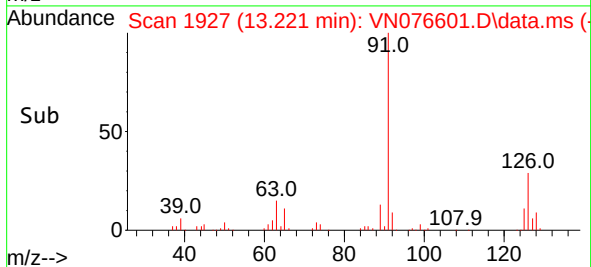
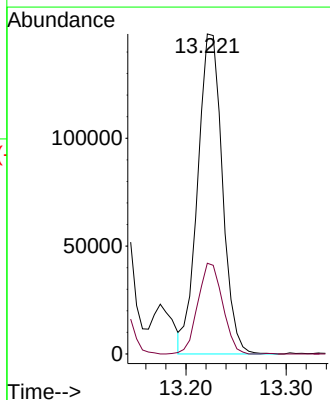
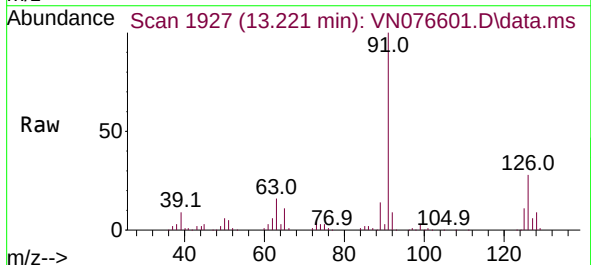
Manual Integrations
APPROVED

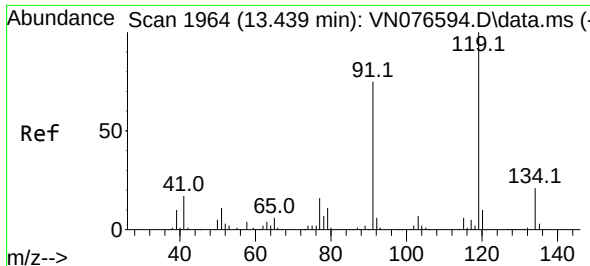
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#78
4-Chlorotoluene
Concen: 16.742 ug/l
RT: 13.221 min Scan# 1927
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

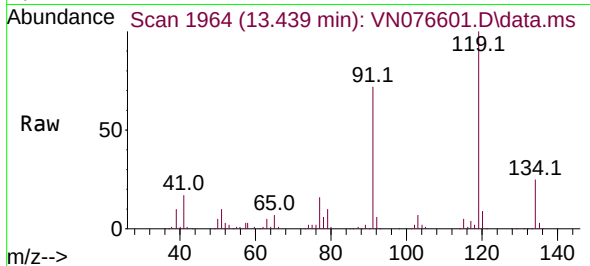
Tgt Ion: 91 Resp: 254089
Ion Ratio Lower Upper
91 100
126 28.4 0.0 67.8





#79
tert-butylbenzene
Concen: 17.202 ug/l
RT: 13.439 min Scan# 1964
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

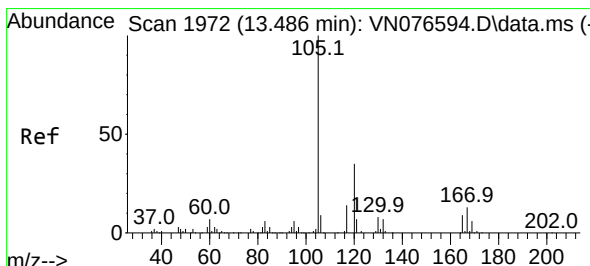
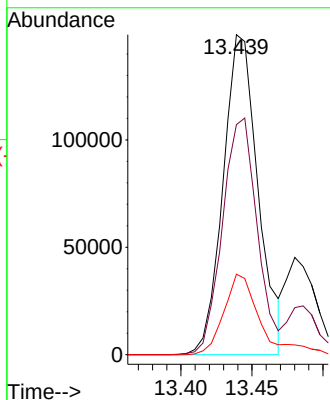
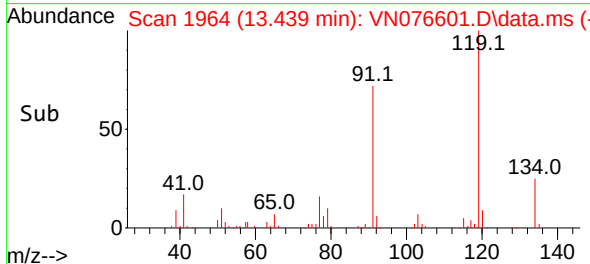
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



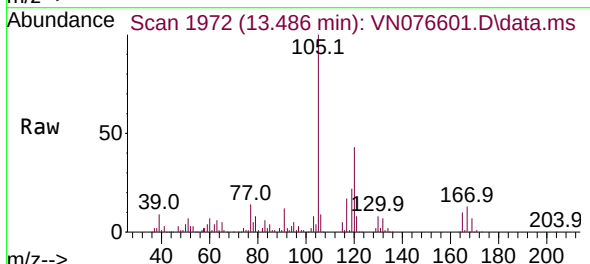
Tgt Ion:119 Resp: 255089
Ion Ratio Lower Upper
119 100
91 73.6 0.0 129.0
134 23.4 0.0 52.2

Manual Integrations
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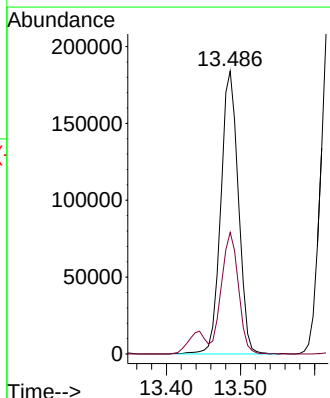
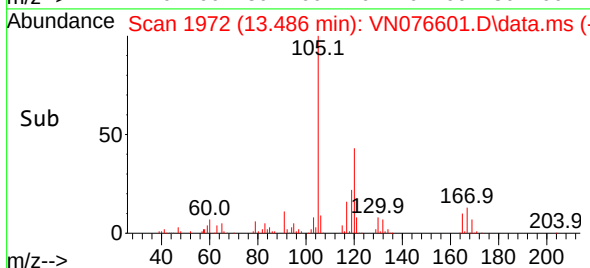
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

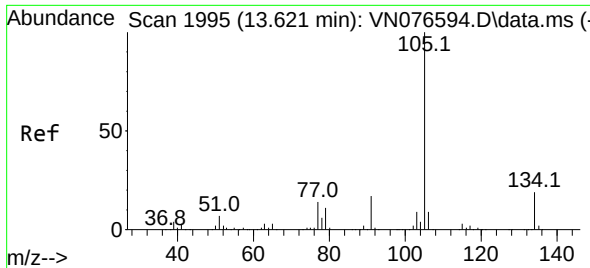


#80
1,2,4-Trimethylbenzene
Concen: 17.538 ug/l
RT: 13.486 min Scan# 1972
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10



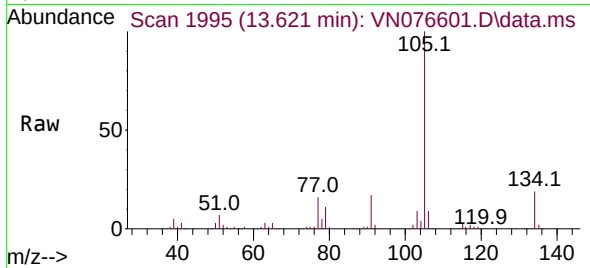
Tgt Ion:105 Resp: 302166
Ion Ratio Lower Upper
105 100
120 41.9 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 17.068 ug/l
 RT: 13.621 min Scan# 1995
 Delta R.T. 0.003 min
 Lab File: VN076601.D
 Acq: 10 Feb 2023 10:10

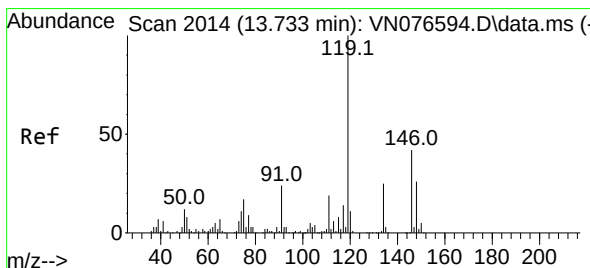
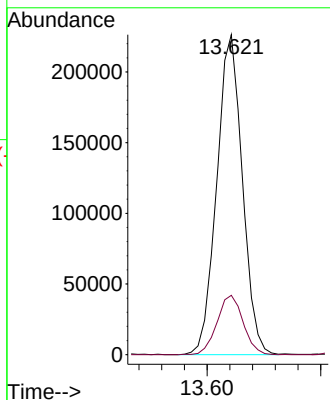
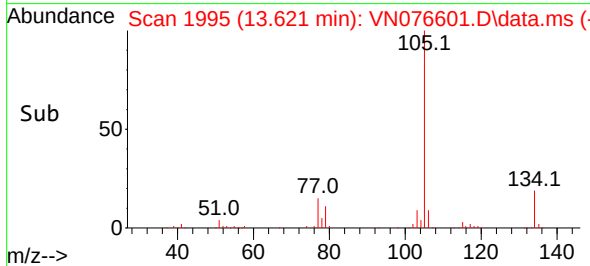
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



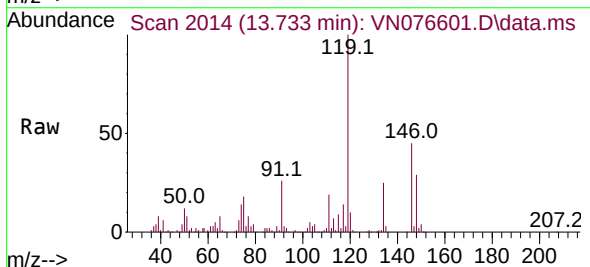
Tgt Ion:105 Resp: 354399
 Ion Ratio Lower Upper
 105 100
 134 18.9 0.0 38.8

Manual Integrations
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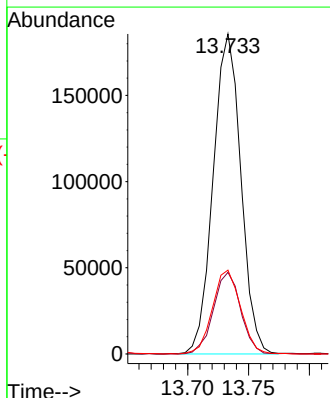
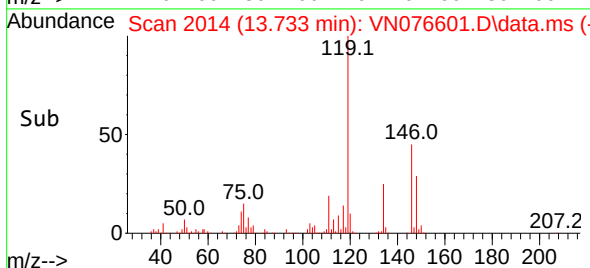
Reviewed By :John Carlone 02/13/2023
 Supervised By :Mahesh Dadoda 02/13/2023

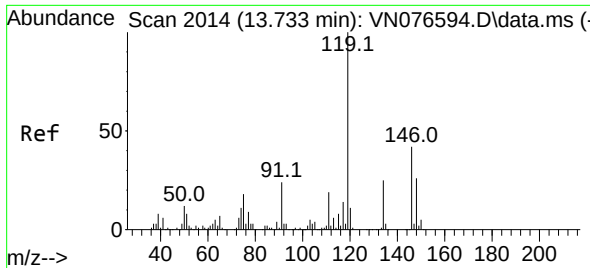


#82
 p-Isopropyltoluene
 Concen: 17.601 ug/l
 RT: 13.733 min Scan# 2014
 Delta R.T. 0.004 min
 Lab File: VN076601.D
 Acq: 10 Feb 2023 10:10



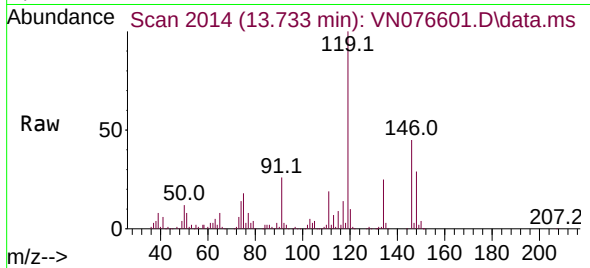
Tgt Ion:119 Resp: 293663
 Ion Ratio Lower Upper
 119 100
 134 25.0 0.0 51.4
 91 26.6 0.0 46.8





#83
1,3-Dichlorobenzene
Concen: 16.987 ug/l
RT: 13.733 min Scan# 2014
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

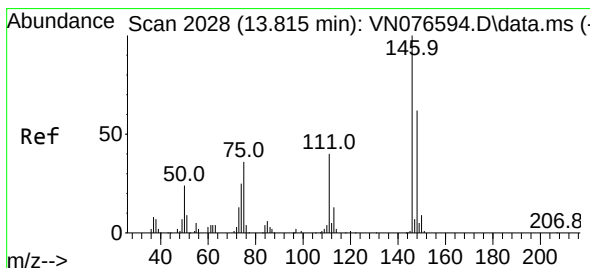
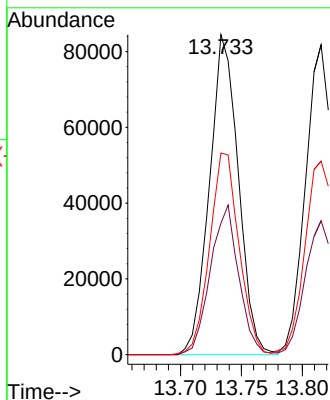
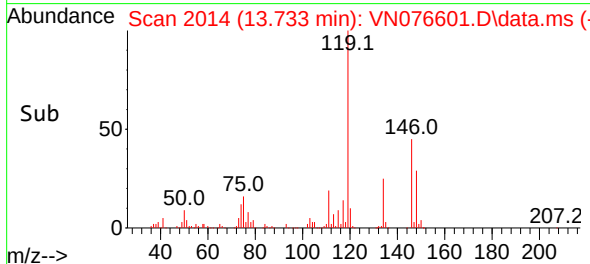
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



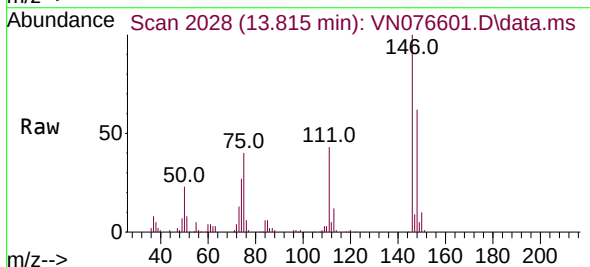
Tgt Ion:146 Resp: 13948
Ion Ratio Lower Upper
146 100
111 45.9 20.5 61.5
148 64.3 31.0 93.0

Manual Integrations
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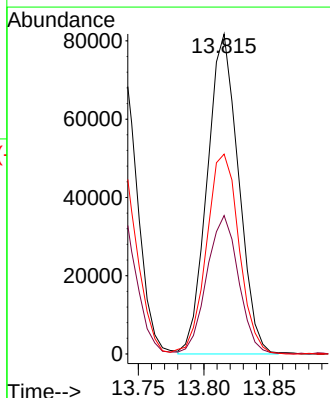
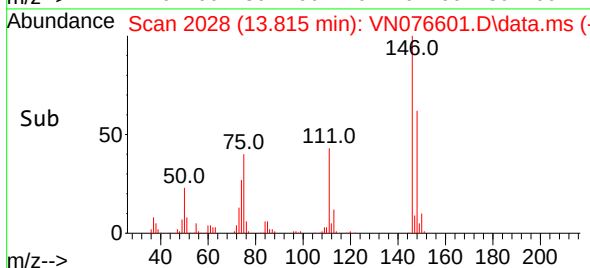
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

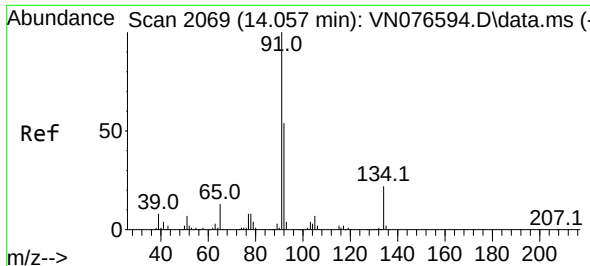


#84
1,4-Dichlorobenzene
Concen: 16.581 ug/l
RT: 13.815 min Scan# 2028
Delta R.T. 0.003 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10



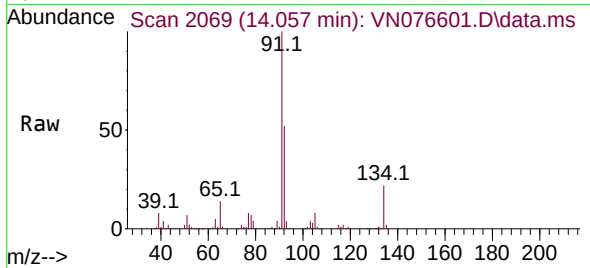
Tgt Ion:146 Resp: 135836
Ion Ratio Lower Upper
146 100
111 43.8 19.1 57.5
148 65.0 31.7 95.1





#85
n-Butylbenzene
Concen: 16.195 ug/l
RT: 14.057 min Scan# 2069
Delta R.T. -0.002 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

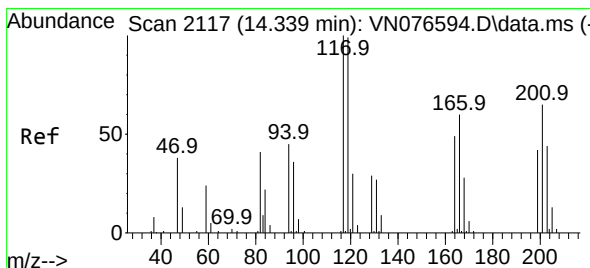
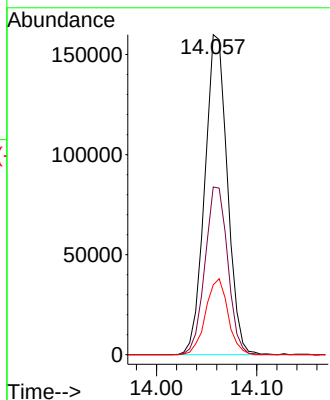
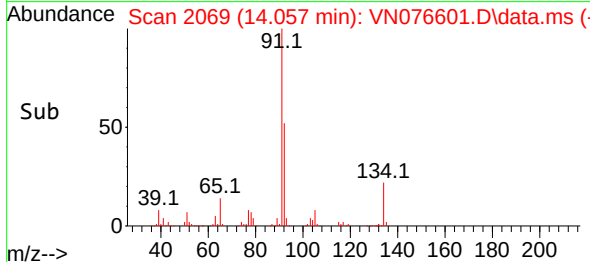
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 91 Resp: 250900
Ion Ratio Lower Upper
91 100
92 52.8 0.0 105.4
134 23.5 0.0 46.4

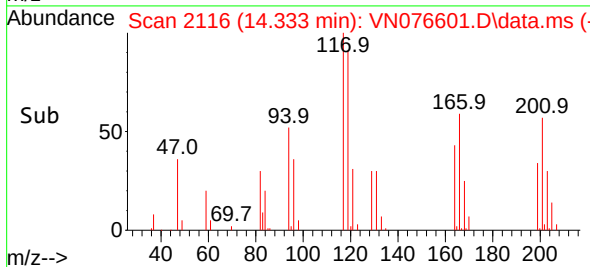
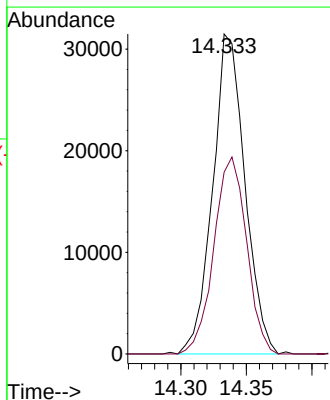
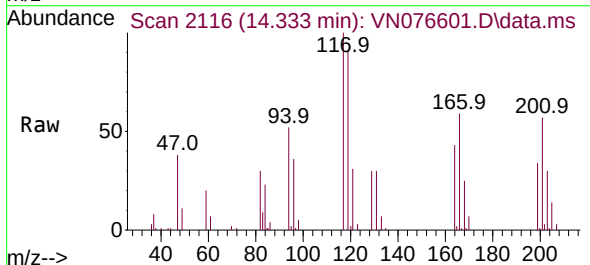
Manual Integrations
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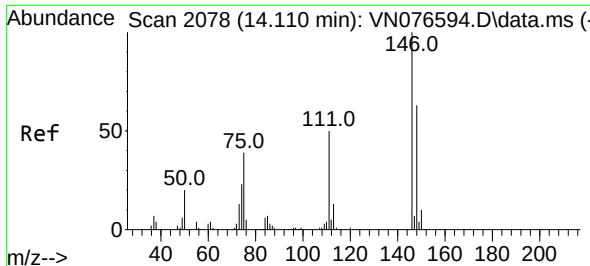
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#86
Hexachloroethane
Concen: 16.610 ug/l
RT: 14.333 min Scan# 2116
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion:117 Resp: 53808
Ion Ratio Lower Upper
117 100
201 62.4 29.4 88.3





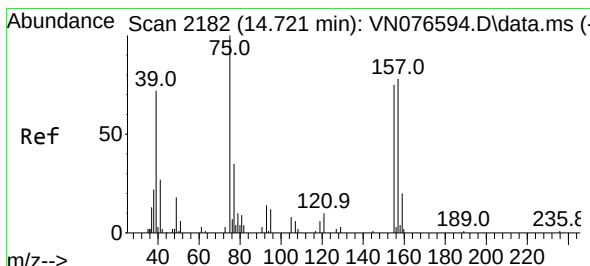
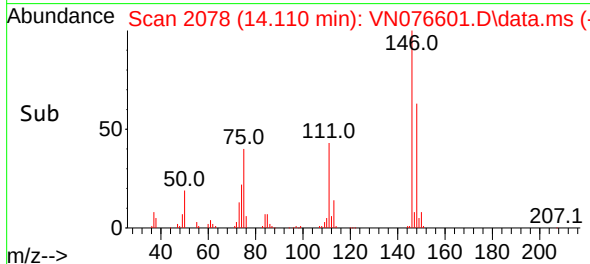
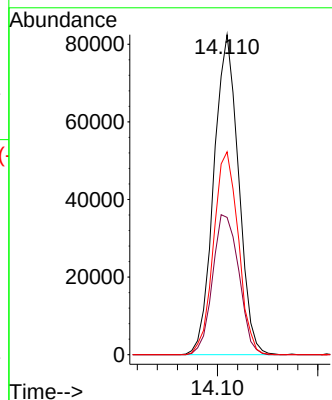
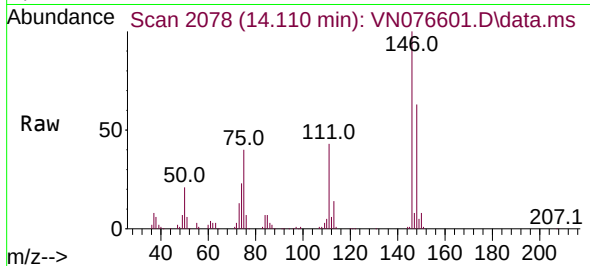
#87
1,2-Dichlorobenzene
Concen: 15.643 ug/l
RT: 14.110 min Scan# 2078
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 140990
Ion Ratio Lower Upper
146 100
111 46.5 21.4 64.2
148 63.5 30.6 92.0

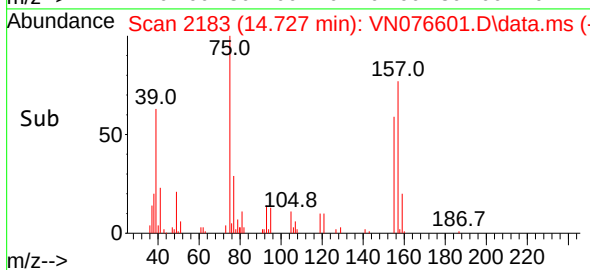
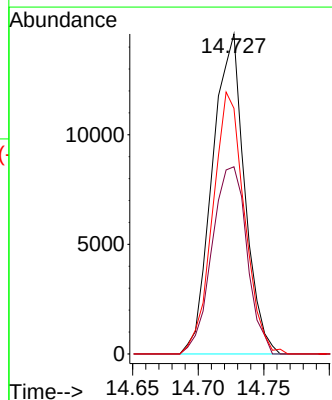
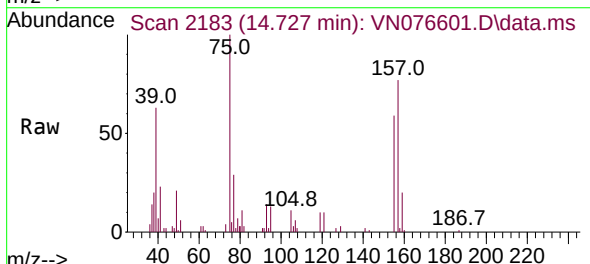
Manual Integrations
APPROVED

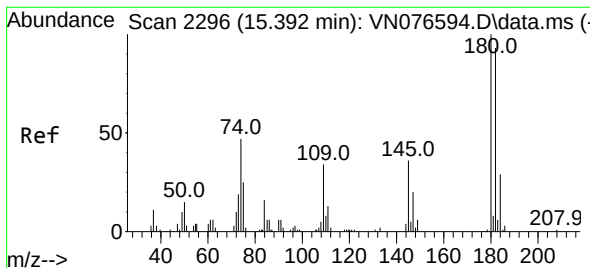
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 18.738 ug/l
RT: 14.727 min Scan# 2183
Delta R.T. 0.010 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

Tgt Ion: 75 Resp: 24913
Ion Ratio Lower Upper
75 100
155 63.5 66.3 99.5#
157 80.6 84.3 126.5#





#89

1,2,4-Trichlorobenzene

Concen: 18.828 ug/l

RT: 15.392 min Scan# 2296

Delta R.T. -0.002 min

Lab File: VN076601.D

Acq: 10 Feb 2023 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

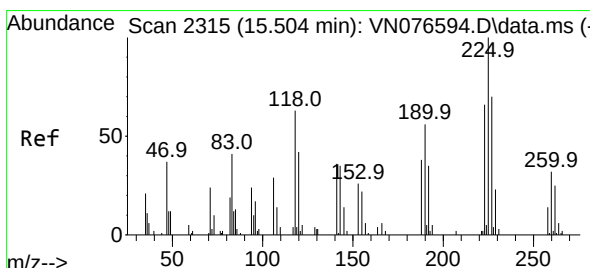
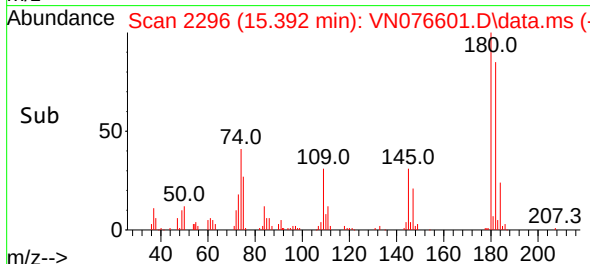
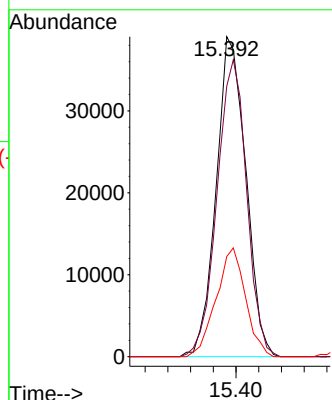
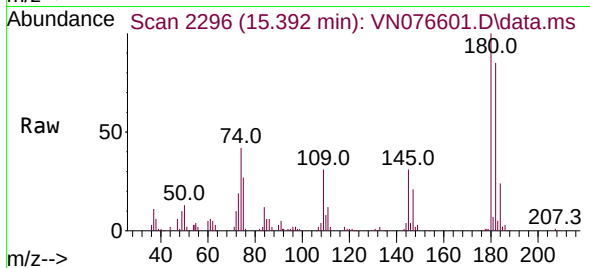
Tgt Ion:	180	Resp:	70770
Ion Ratio	Lower	Upper	
180	100		
182	92.6	74.9	112.3
145	33.7	26.3	39.5

Manual Integrations

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Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#90

Hexachlorobutadiene

Concen: 18.843 ug/l

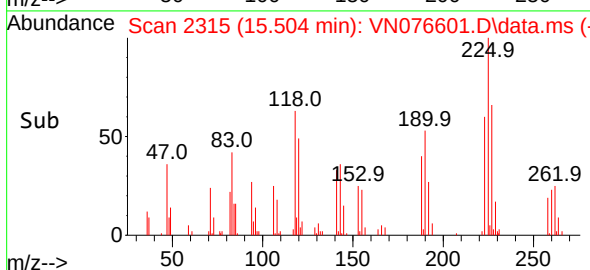
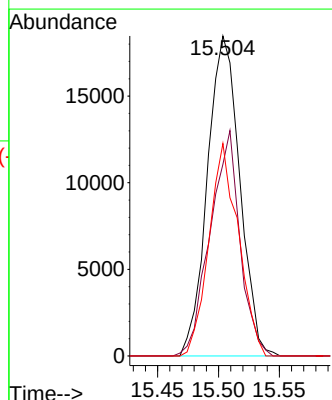
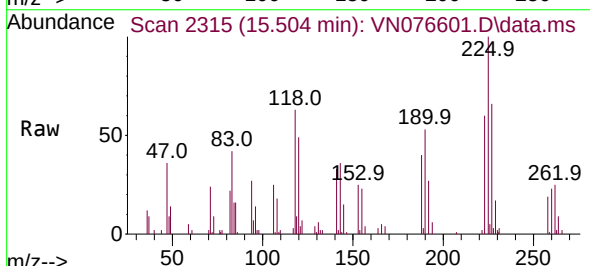
RT: 15.504 min Scan# 2315

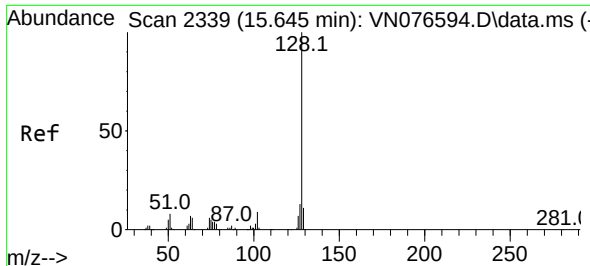
Delta R.T. 0.004 min

Lab File: VN076601.D

Acq: 10 Feb 2023 10:10

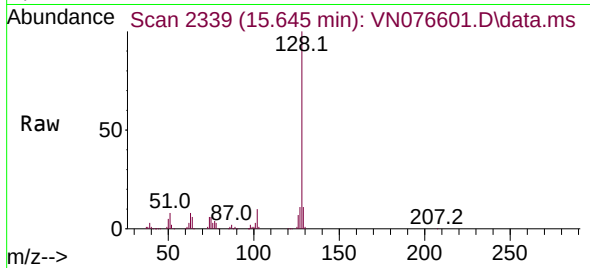
Tgt Ion:	225	Resp:	34220
Ion Ratio	Lower	Upper	
225	100		
223	64.7	0.0	125.0
227	60.5	0.0	123.0





#91
Naphthalene
Concen: 18.322 ug/l
RT: 15.645 min Scan# 2339
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10

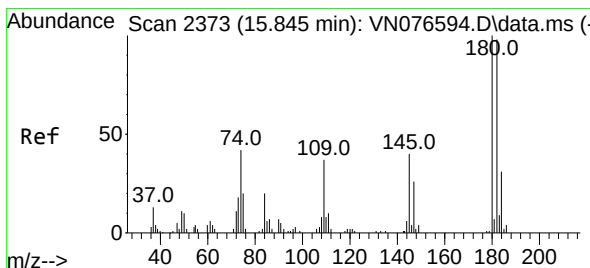
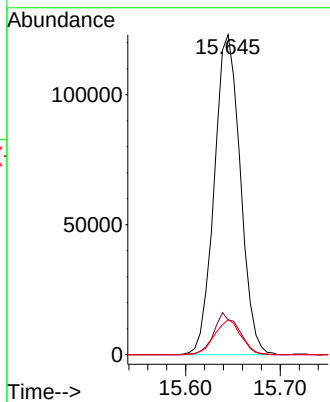
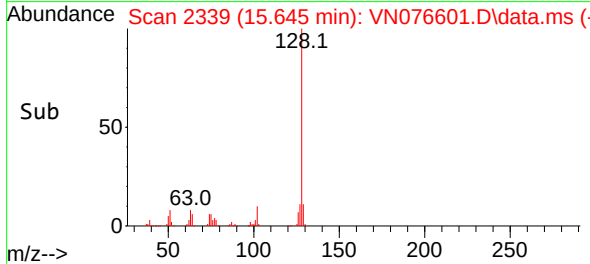
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



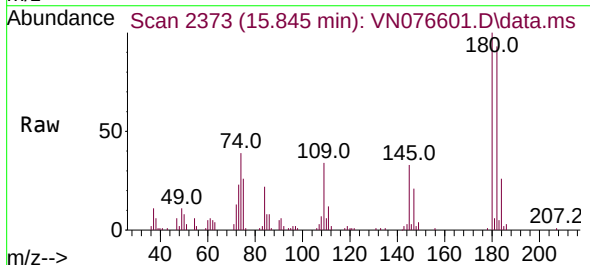
Tgt Ion:128 Resp: 23500
Ion Ratio Lower Upper
128 100
127 12.7 10.7 16.1
129 11.0 8.9 13.3

Manual Integrations
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Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#92
1,2,3-Trichlorobenzene
Concen: 16.908 ug/l
RT: 15.845 min Scan# 2373
Delta R.T. 0.004 min
Lab File: VN076601.D
Acq: 10 Feb 2023 10:10



Tgt Ion:180 Resp: 63436
Ion Ratio Lower Upper
180 100
182 92.6 0.0 185.4
145 35.4 0.0 68.6

