

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075673.D
 Acq On : 09 Dec 2022 17:43
 Operator : JC\MD
 Sample : VN1209WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/12/2022
 Supervised By : Mahesh Dadoda 12/12/2022

Quant Time: Dec 12 03:10:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 03:01:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	210958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	336411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	303502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	122626	54.785	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.560%			
35) Dibromofluoromethane	8.171	113	111978	54.557	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.120%			
50) Toluene-d8	10.571	98	428289	55.564	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.120%			
62) 4-Bromofluorobenzene	12.853	95	146161	55.460	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	30727	19.804	ug/l	99
3) Chloromethane	2.371	50	34438	18.629	ug/l	96
4) Vinyl Chloride	2.524	62	45036	19.833	ug/l	100
5) Bromomethane	2.918	94	43207	22.341	ug/l	93
6) Chloroethane	3.101	64	32623	19.255	ug/l	99
7) Trichlorofluoromethane	3.495	101	65333	19.830	ug/l	94
8) Diethyl Ether	3.971	74	24052	19.969	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	38591	19.959	ug/l	99
10) Methyl Iodide	4.595	142	63780	20.186	ug/l	100
11) Tert butyl alcohol	5.547	59	35318	106.658	ug/l	99
12) 1,1-Dichloroethene	4.348	96	35968	19.902	ug/l	92
13) Acrolein	4.195	56	36348	95.309	ug/l	95
14) Allyl chloride	5.030	41	46568	20.692	ug/l	91
15) Acrylonitrile	5.736	53	87226	101.980	ug/l	99
16) Acetone	4.448	43	74782	98.654	ug/l	99
17) Carbon Disulfide	4.718	76	90853	18.999	ug/l	99
18) Methyl Acetate	5.036	43	47174	19.367	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	125870	20.705	ug/l	98
20) Methylene Chloride	5.277	84	42976	19.018	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	40990	20.296	ug/l	89
22) Diisopropyl ether	6.683	45	108076	21.106	ug/l	98
23) Vinyl Acetate	6.612	43	402096m	102.979	ug/l	
24) 1,1-Dichloroethane	6.571	63	68987	20.467	ug/l	99
25) 2-Butanone	7.489	43	111621	100.730	ug/l	98
26) 2,2-Dichloropropane	7.500	77	58721	20.427	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	48312	19.704	ug/l	97
28) Bromochloromethane	7.812	49	27964	20.750	ug/l	100
29) Tetrahydrofuran	7.847	42	73002	106.883	ug/l	97
30) Chloroform	7.971	83	77009	20.627	ug/l	98
31) Cyclohexane	8.259	56	63137	19.051	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	70811	20.558	ug/l	96
36) 1,1-Dichloropropene	8.377	75	55220	20.261	ug/l	99
37) Ethyl Acetate	7.565	43	43904	20.064	ug/l	96
38) Carbon Tetrachloride	8.371	117	62183	19.772	ug/l	96
39) Methylcyclohexane	9.600	83	71796	20.775	ug/l	98
40) Benzene	8.612	78	170245	20.354	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	23423	20.876	ug/l	98
42) 1,2-Dichloroethane	8.677	62	57486	20.546	ug/l	99
43) Isopropyl Acetate	8.694	43	76097	20.831	ug/l	99
44) Trichloroethene	9.353	130	48184	20.420	ug/l	94
45) 1,2-Dichloropropane	9.624	63	41410	20.817	ug/l	98
46) Dibromomethane	9.712	93	31071	20.804	ug/l	99
47) Bromodichloromethane	9.894	83	59580	20.346	ug/l	96
48) Methyl methacrylate	9.688	41	35635	21.180	ug/l	98
49) 1,4-Dioxane	9.700	88	18048	441.289	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	234142	103.945	ug/l	100
52) Toluene	10.635	92	114218	20.660	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	58143	20.104	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	66198	20.574	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	44749	20.587	ug/l	92
56) Ethyl methacrylate	10.877	69	62062	21.071	ug/l	99
57) 1,3-Dichloropropane	11.165	76	73320	20.869	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	89727	103.178	ug/l	100
59) 2-Hexanone	11.194	43	172260	105.260	ug/l	99
60) Dibromochloromethane	11.359	129	49412	20.658	ug/l	100
61) 1,2-Dibromoethane	11.471	107	46246	20.307	ug/l	99
64) Tetrachloroethene	11.106	164	42420	19.188	ug/l	95
65) Chlorobenzene	11.894	112	124758	19.979	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	46850	20.621	ug/l	99
67) Ethyl Benzene	11.965	91	218065	20.642	ug/l	99
68) m/p-Xylenes	12.076	106	177588	41.604	ug/l	100
69) o-Xylene	12.400	106	87931	21.228	ug/l	99
70) Styrene	12.412	104	141619	21.317	ug/l	99
71) Bromoform	12.582	173	36086	20.954	ug/l #	98
73) Isopropylbenzene	12.700	105	226365	20.956	ug/l	100
74) N-amyl acetate	12.494	43	67524	21.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	65561	20.205	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	55551m	18.387	ug/l	
77) Bromobenzene	12.982	156	56176	20.680	ug/l	99
78) n-propylbenzene	13.041	91	252321	21.050	ug/l	99
79) 2-Chlorotoluene	13.123	91	151438	20.464	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	192726	21.340	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	16075	19.090	ug/l	94
82) 4-Chlorotoluene	13.123	91	151438	20.464	ug/l	99
83) tert-Butylbenzene	13.441	119	173280	21.158	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	193256	21.291	ug/l	100
85) sec-Butylbenzene	13.618	105	234339	20.814	ug/l	98
86) p-Isopropyltoluene	13.729	119	202977	21.546	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	107143	21.090	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	104246	20.174	ug/l	99
89) n-Butylbenzene	14.059	91	159376	21.108	ug/l	99
90) Hexachloroethane	14.335	117	33235	20.596	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	103125	20.400	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	11114	20.844	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	50919	20.980	ug/l	97
94) Hexachlorobutadiene	15.500	225	27957	20.302	ug/l	99
95) Naphthalene	15.647	128	152759	21.296	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	50150	21.029	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

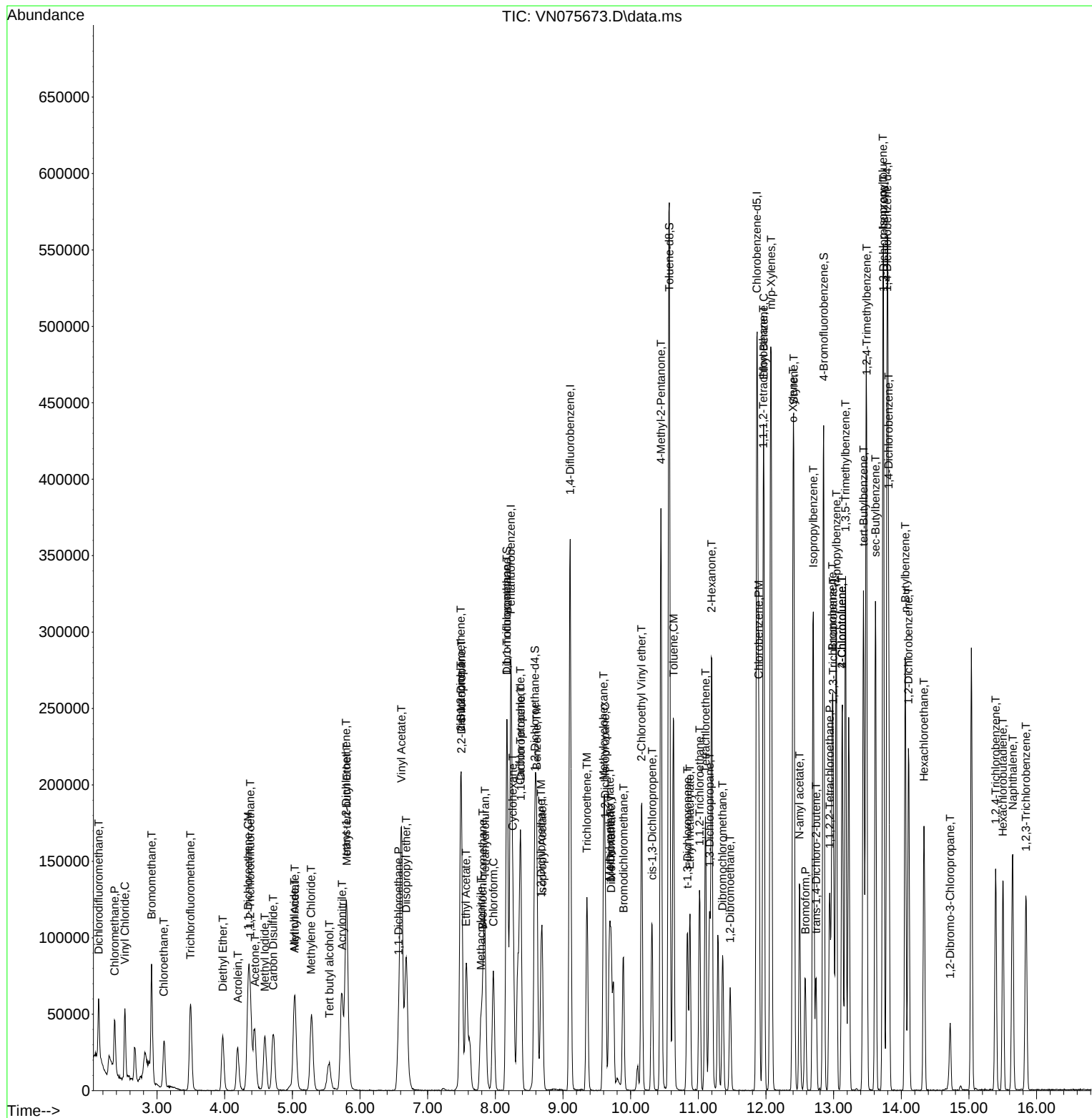
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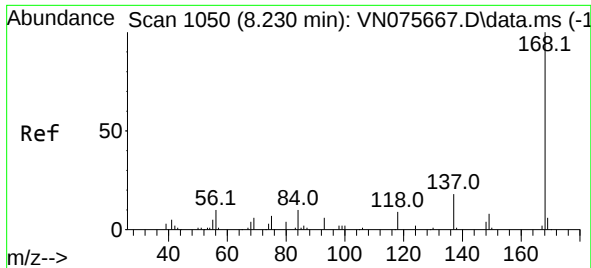
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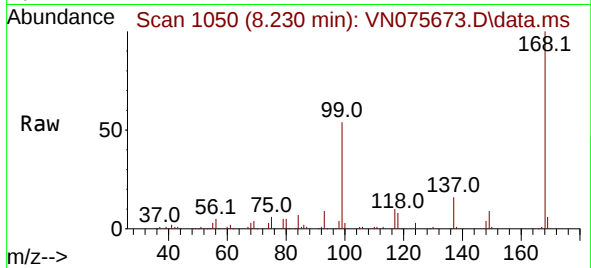
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075673.D
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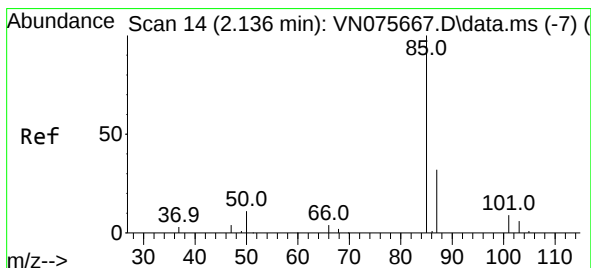
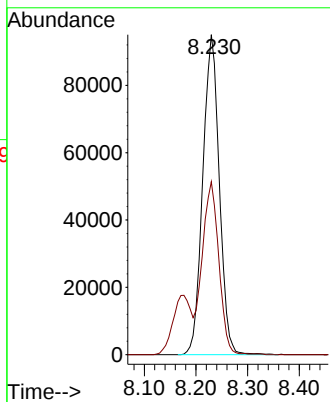
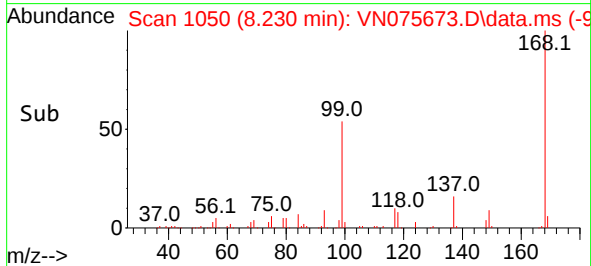
Instrument :
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Tgt Ion:168 Resp: 210958
Ion Ratio Lower Upper
168 100
99 54.1 41.2 61.8

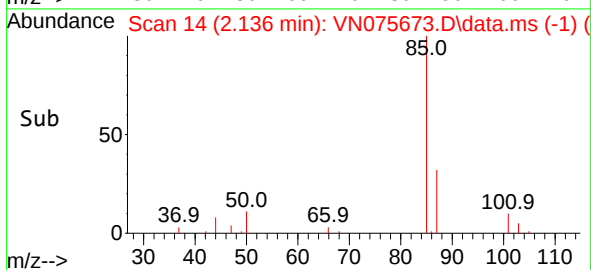
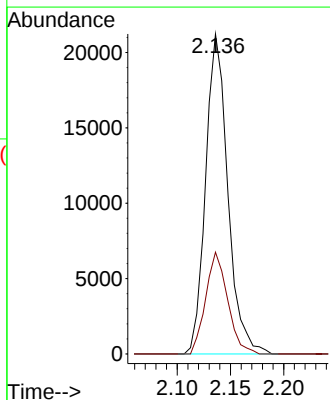
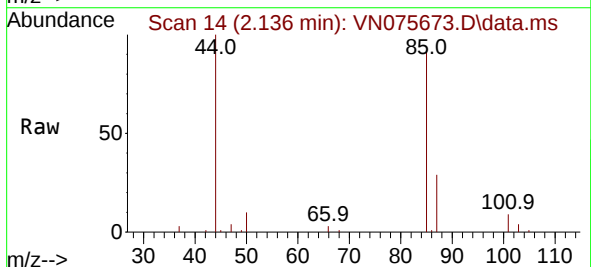
Manual Integrations
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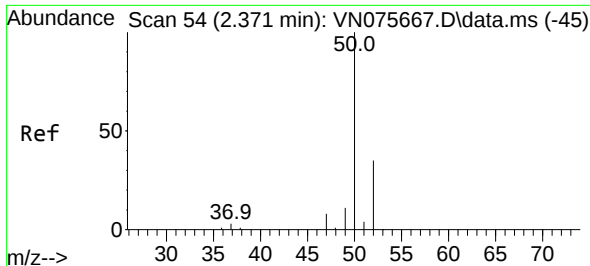
Reviewed By :John Carlone 12/12/2022
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#2
Dichlorodifluoromethane
Concen: 19.804 ug/l
RT: 2.136 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN075673.D
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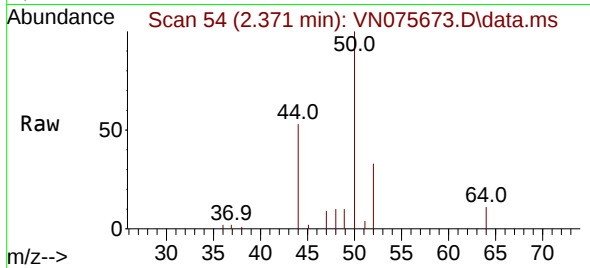
Tgt Ion: 85 Resp: 30727
Ion Ratio Lower Upper
85 100
87 31.8 16.1 48.2





#3
Chloromethane
Concen: 18.629 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

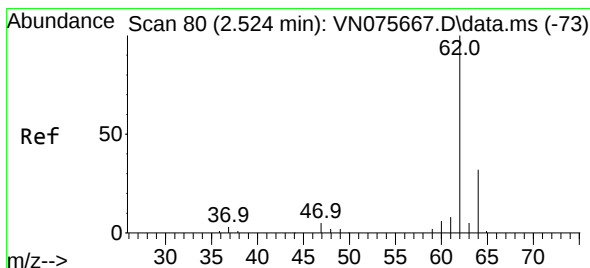
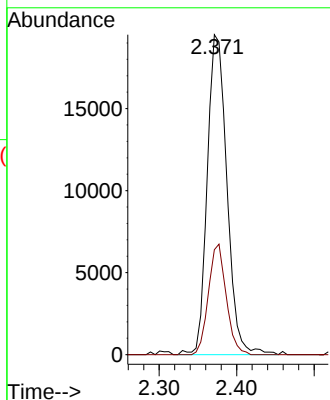
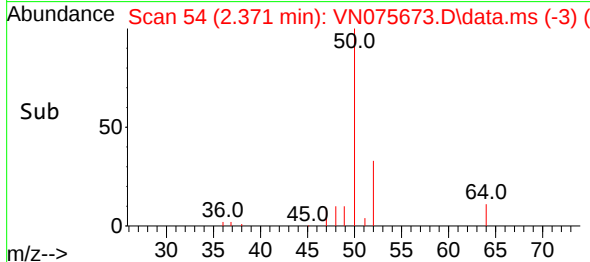
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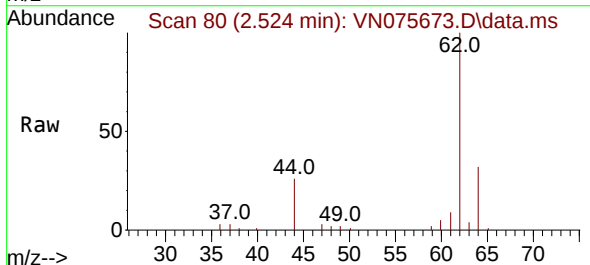
Tgt Ion: 50 Resp: 34438
Ion Ratio Lower Upper
50 100
52 32.8 27.9 41.9

Manual Integrations
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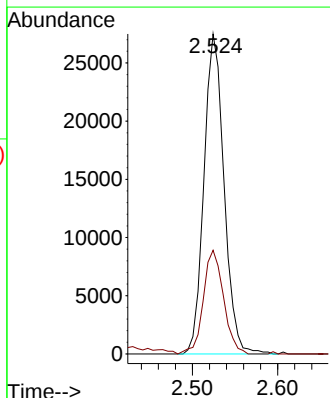
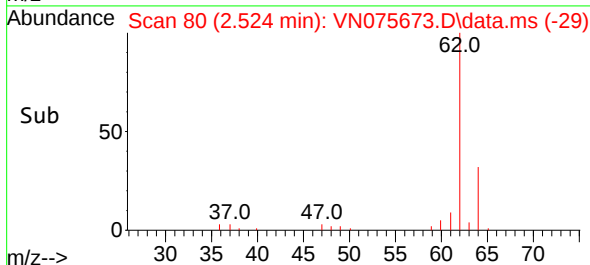
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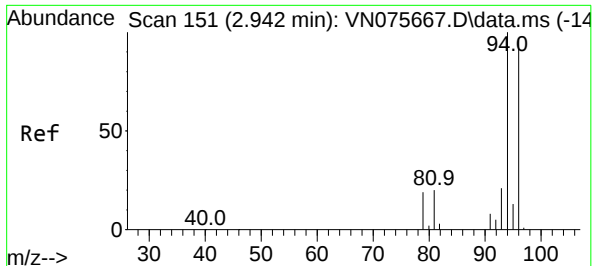


#4
Vinyl Chloride
Concen: 19.833 ug/l
RT: 2.524 min Scan# 80
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



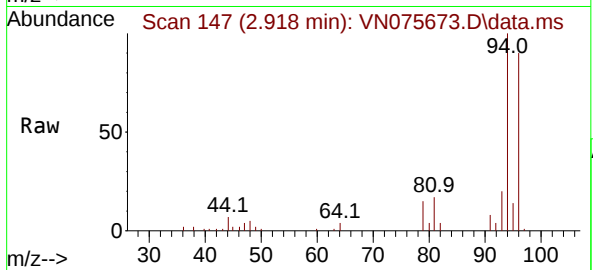
Tgt Ion: 62 Resp: 45036
Ion Ratio Lower Upper
62 100
64 32.4 25.9 38.9





#5
Bromomethane
Concen: 22.341 ug/l
RT: 2.918 min Scan# 147
Delta R.T. -0.023 min
Lab File: VN075673.D
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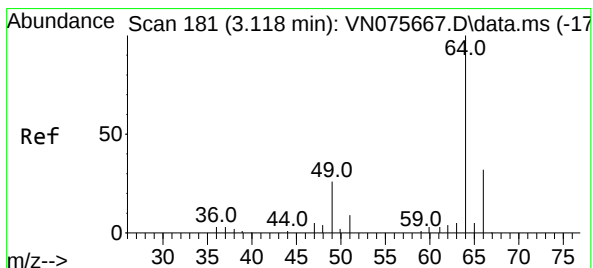
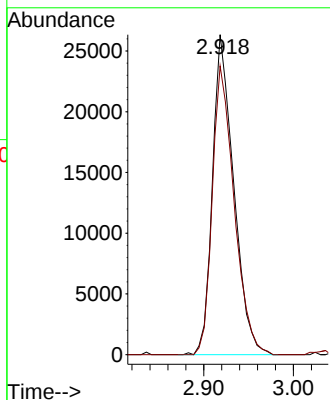
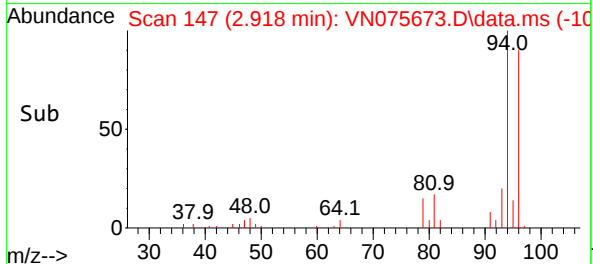
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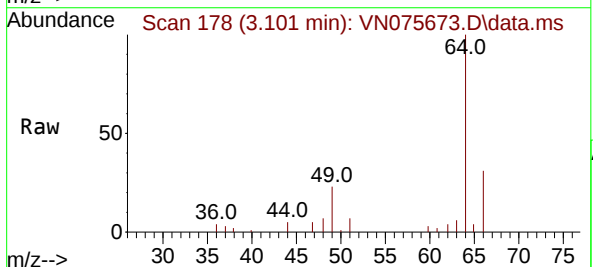
Tgt Ion: 94 Resp: 4320
Ion Ratio Lower Upper
94 100
96 90.3 77.6 116.4

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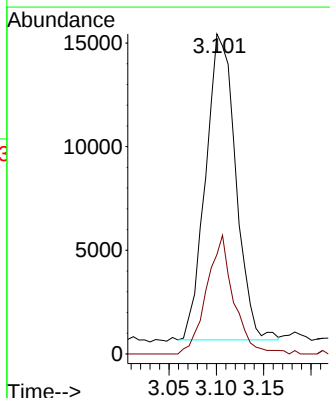
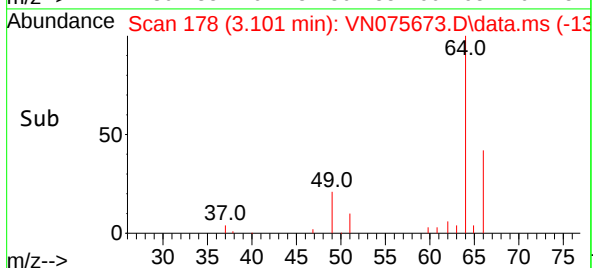
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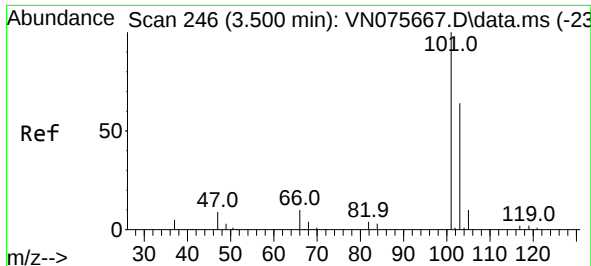


#6
Chloroethane
Concen: 19.255 ug/l
RT: 3.101 min Scan# 178
Delta R.T. -0.018 min
Lab File: VN075673.D
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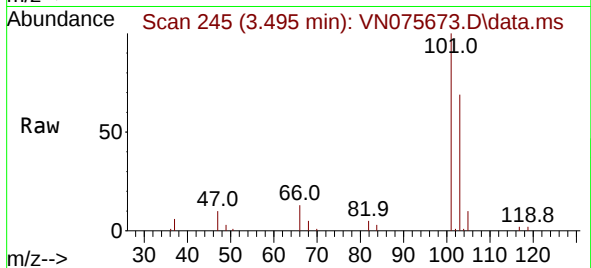
Tgt Ion: 64 Resp: 32623
Ion Ratio Lower Upper
64 100
66 32.5 25.7 38.5





#7
Trichlorofluoromethane
Concen: 19.830 ug/l
RT: 3.495 min Scan# 246
Delta R.T. -0.006 min
Lab File: VN075673.D
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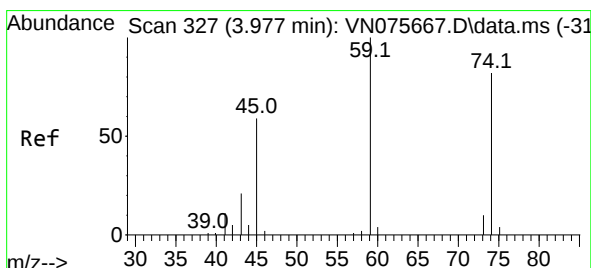
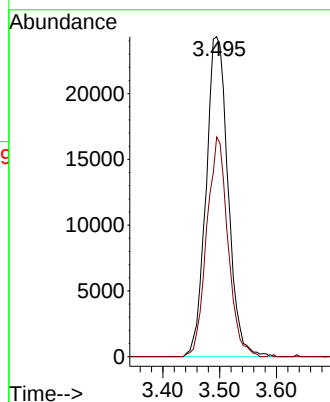
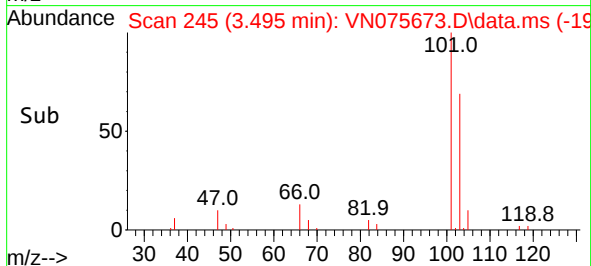
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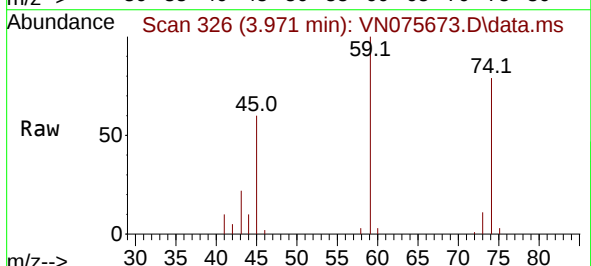
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Ion Ratio Lower Upper
101 100
103 68.6 51.4 77.2

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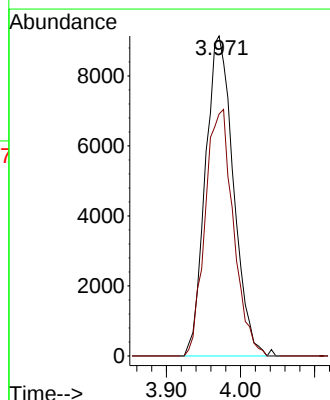
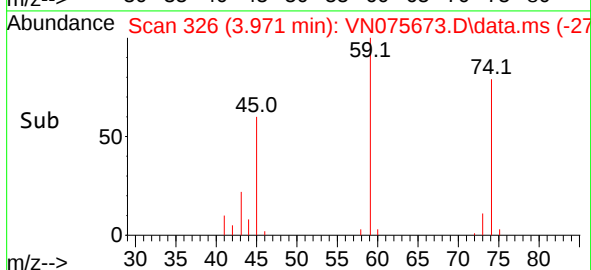
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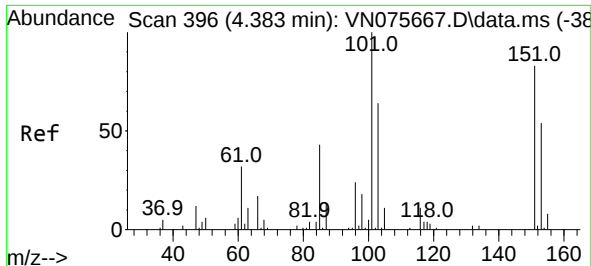


#8
Diethyl Ether
Concen: 19.969 ug/l
RT: 3.971 min Scan# 326
Delta R.T. -0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



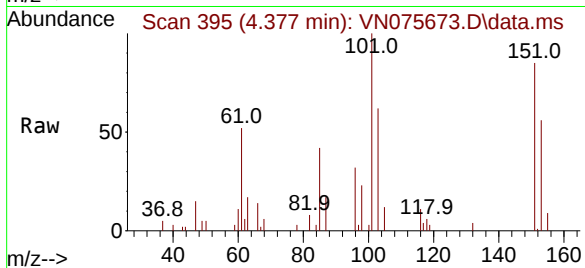
Tgt Ion: 74 Resp: 24052
Ion Ratio Lower Upper
74 100
45 77.5 36.8 110.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.959 ug/l
RT: 4.377 min Scan# 395
Delta R.T. -0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

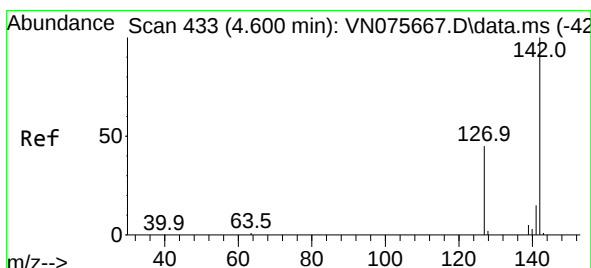
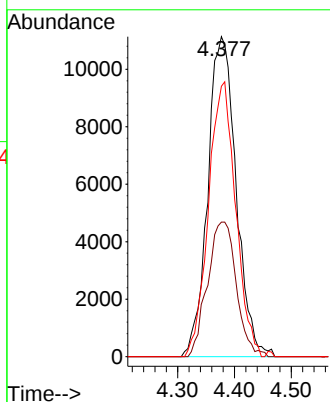
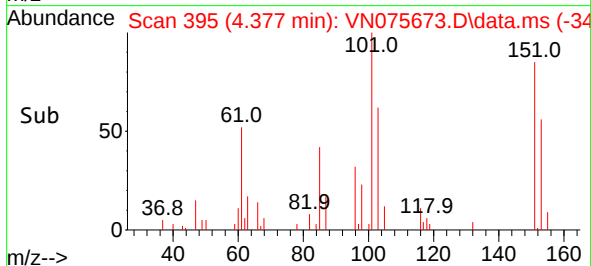
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



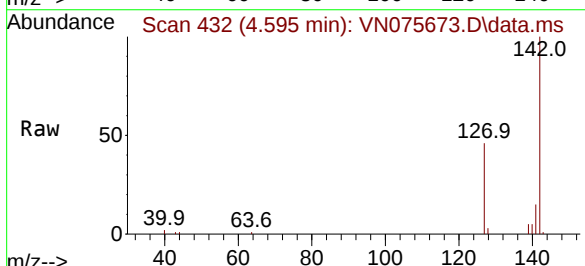
Tgt Ion:101 Resp: 3859
Ion Ratio Lower Upper
101 100
85 42.8 35.3 52.9
151 82.3 65.6 98.4

Manual Integrations
APPROVED

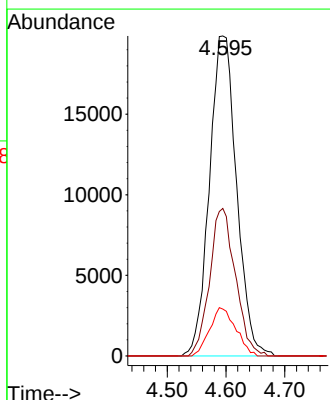
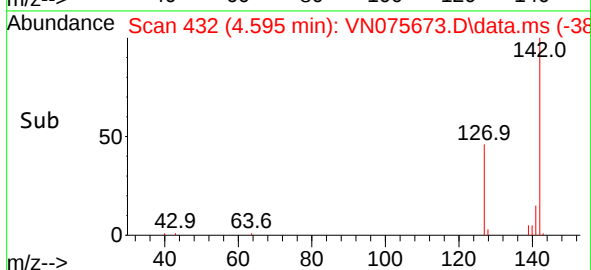
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

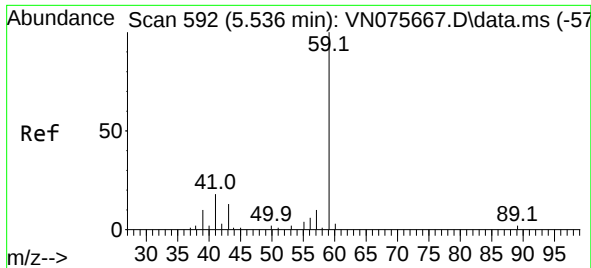


#10
Methyl Iodide
Concen: 20.186 ug/l
RT: 4.595 min Scan# 432
Delta R.T. -0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



Tgt Ion:142 Resp: 63780
Ion Ratio Lower Upper
142 100
127 43.7 35.0 52.4
141 14.5 11.4 17.2





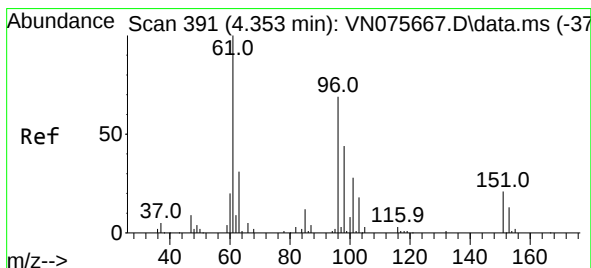
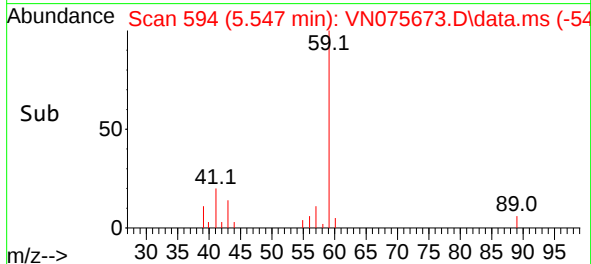
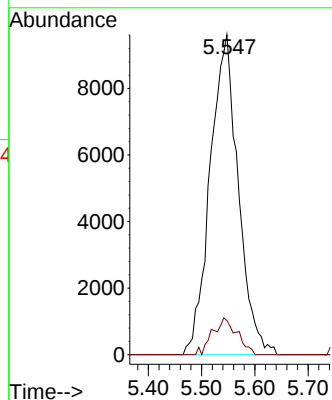
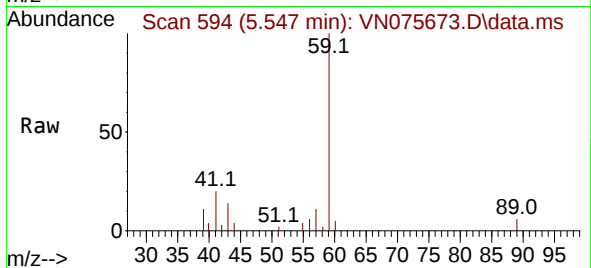
#11
Tert butyl alcohol
Concen: 106.658 ug/l
RT: 5.547 min Scan# 591
Delta R.T. 0.012 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 59 Resp: 35318
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4

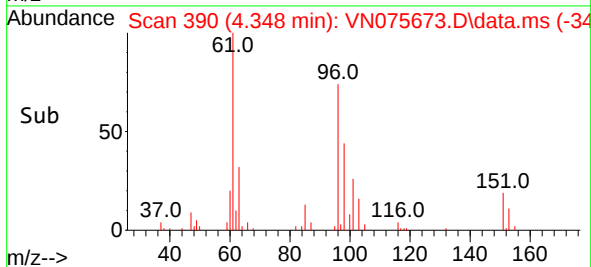
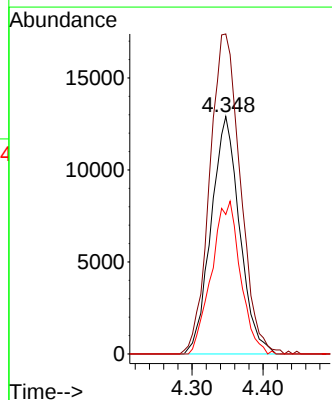
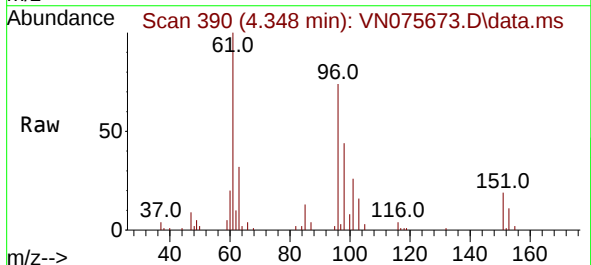
Manual Integrations
APPROVED

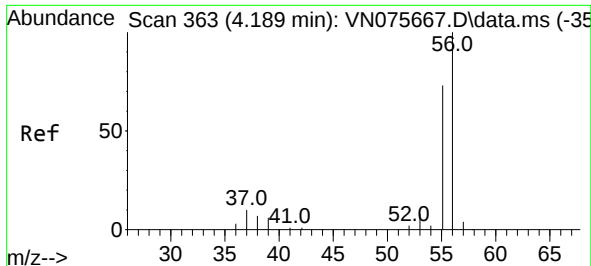
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#12
1,1-Dichloroethene
Concen: 19.902 ug/l
RT: 4.348 min Scan# 390
Delta R.T. -0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

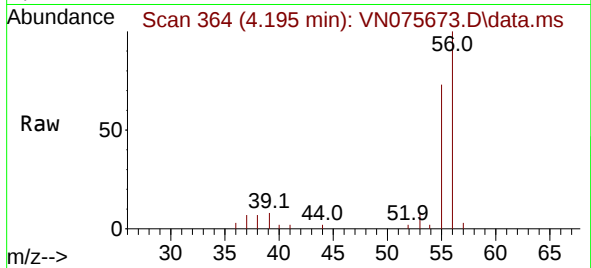
Tgt Ion: 96 Resp: 35968
Ion Ratio Lower Upper
96 100
61 134.8 116.8 175.2
98 58.7 51.6 77.4





#13
Acrolein
Concen: 95.309 ug/l
RT: 4.195 min Scan# 364
Delta R.T. 0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

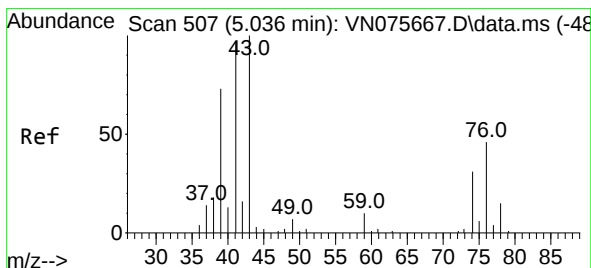
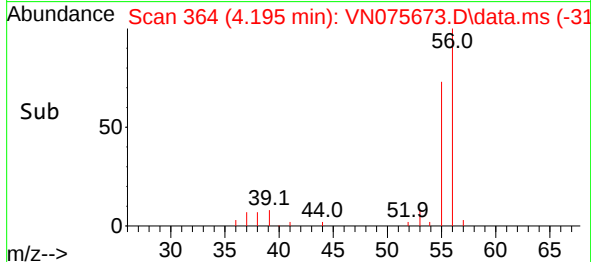
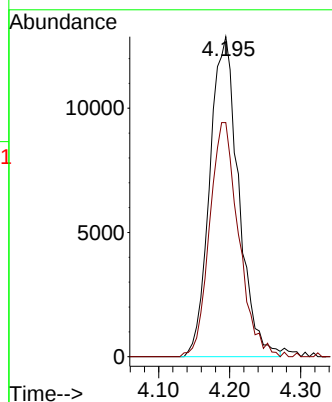
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



Tgt Ion: 56 Resp: 36348
Ion Ratio Lower Upper
56 100
55 73.8 55.7 83.5

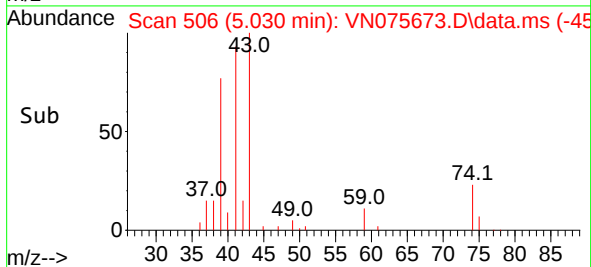
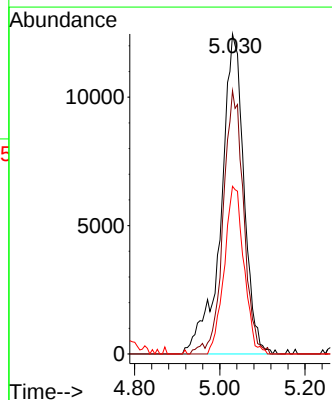
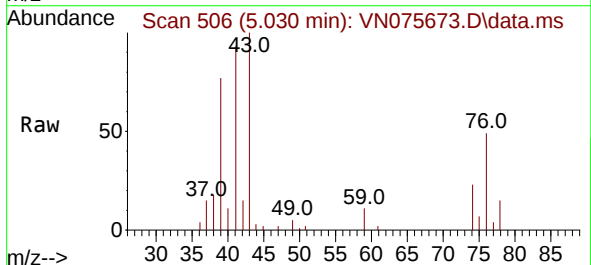
Manual Integrations
APPROVED

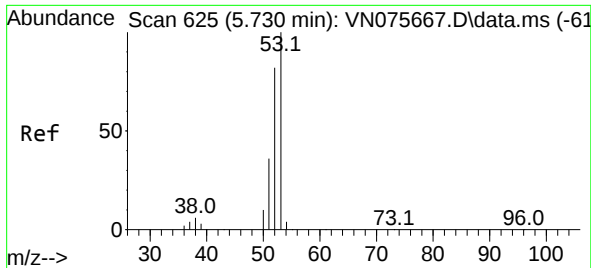
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#14
Allyl chloride
Concen: 20.692 ug/l
RT: 5.030 min Scan# 506
Delta R.T. -0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

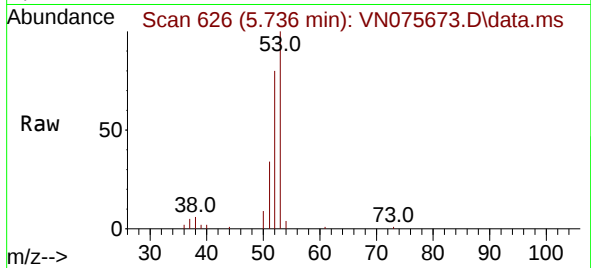
Tgt Ion: 41 Resp: 46568
Ion Ratio Lower Upper
41 100
39 73.3 64.6 96.8
76 44.9 40.9 61.3





#15
Acrylonitrile
Concen: 101.980 ug/l
RT: 5.736 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

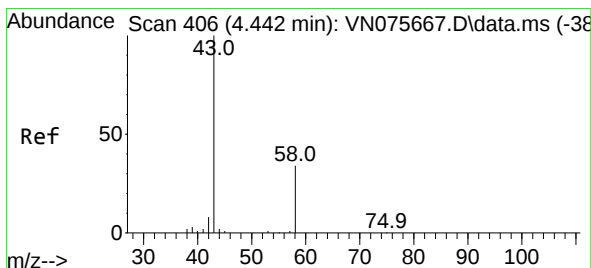
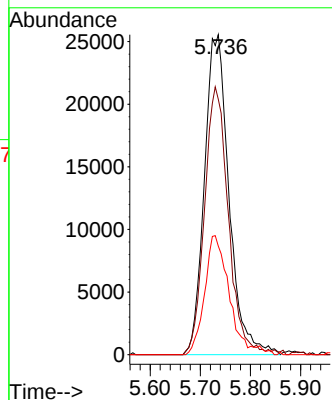
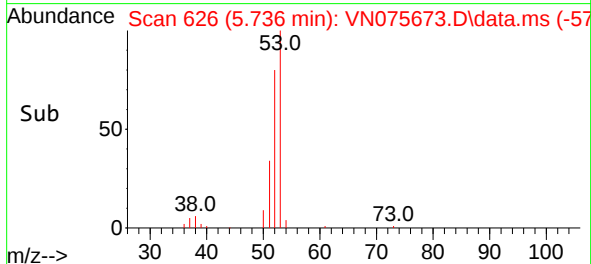
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



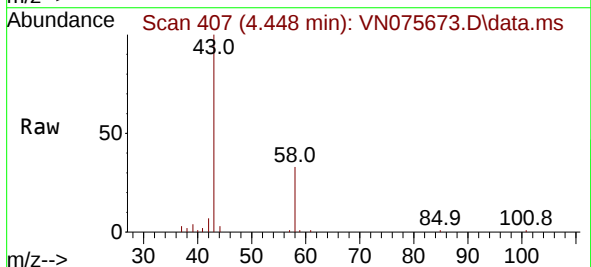
Tgt Ion: 53 Resp: 87220
Ion Ratio Lower Upper
53 100
52 80.6 65.0 97.4
51 37.4 28.9 43.3

Manual Integrations
APPROVED

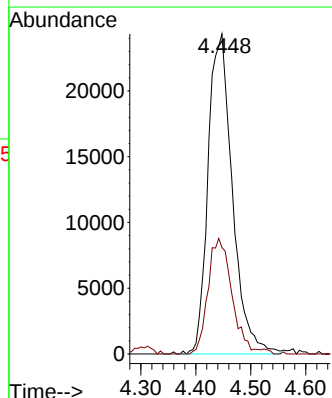
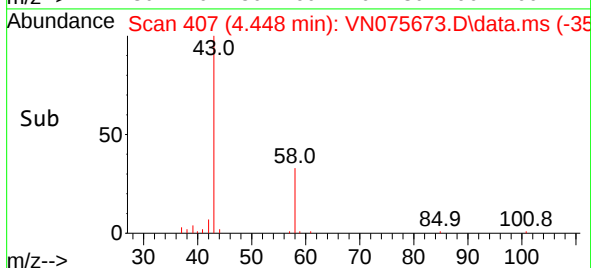
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

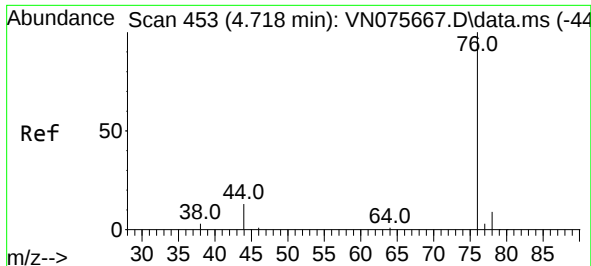


#16
Acetone
Concen: 98.654 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



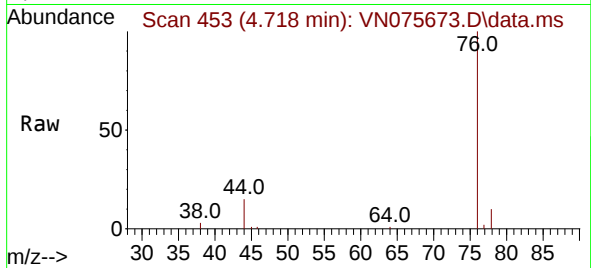
Tgt Ion: 43 Resp: 74782
Ion Ratio Lower Upper
43 100
58 33.3 27.0 40.4





#17
Carbon Disulfide
Concen: 18.999 ug/l
RT: 4.718 min Scan# 453
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

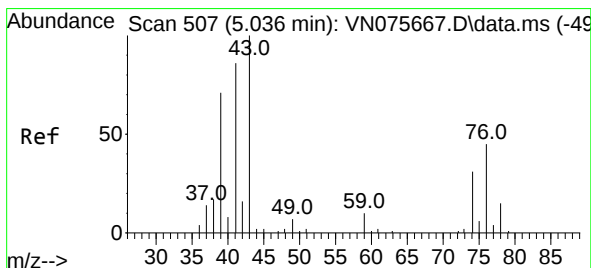
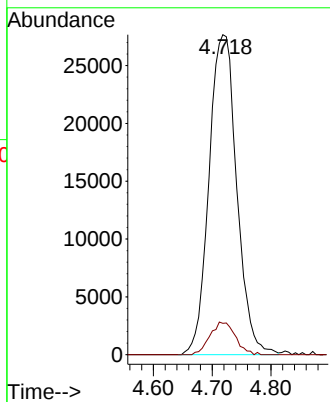
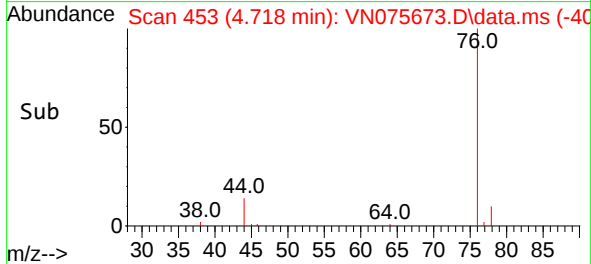
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



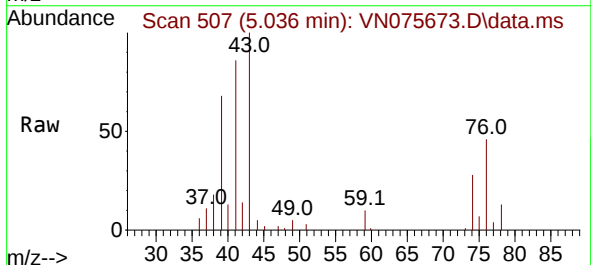
Tgt Ion: 76 Resp: 9085
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2

Manual Integrations
APPROVED

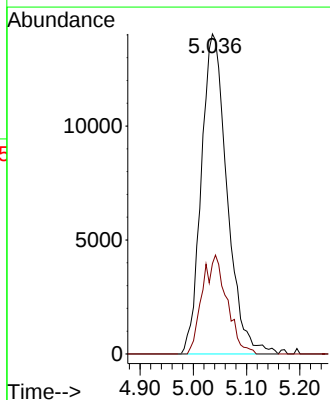
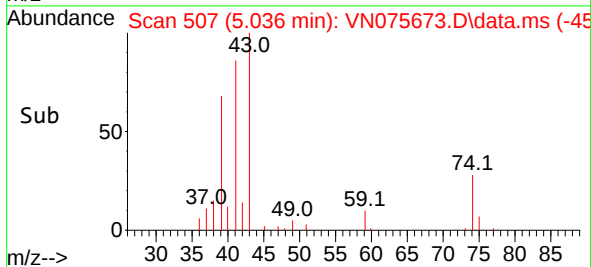
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

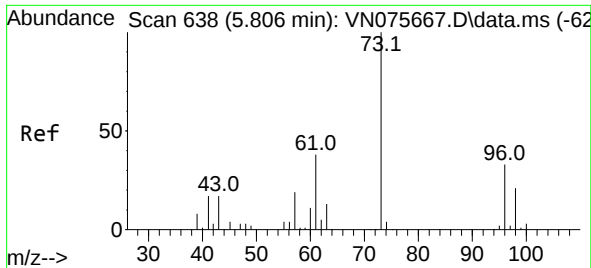


#18
Methyl Acetate
Concen: 19.367 ug/l
RT: 5.036 min Scan# 507
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



Tgt Ion: 43 Resp: 47174
Ion Ratio Lower Upper
43 100
74 29.6 24.5 36.7





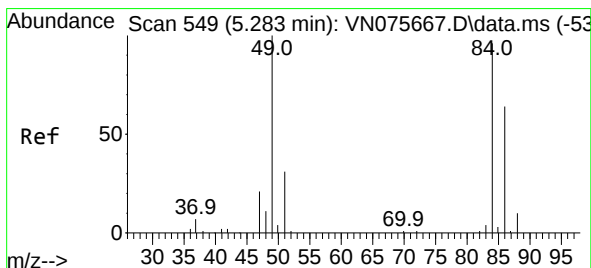
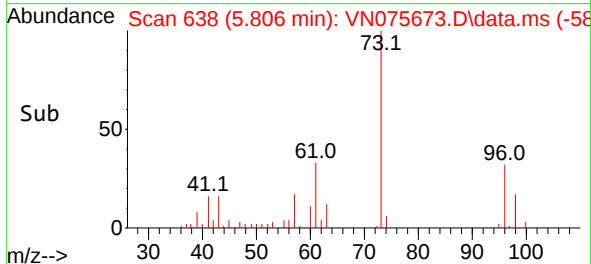
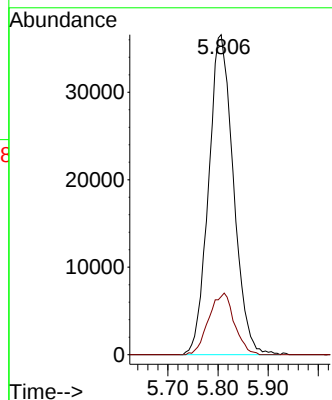
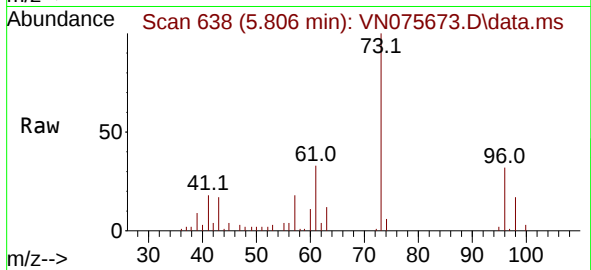
#19
Methyl tert-butyl Ether
Concen: 20.705 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 73 Resp: 125870
Ion Ratio Lower Upper
73 100
57 18.2 15.1 22.7

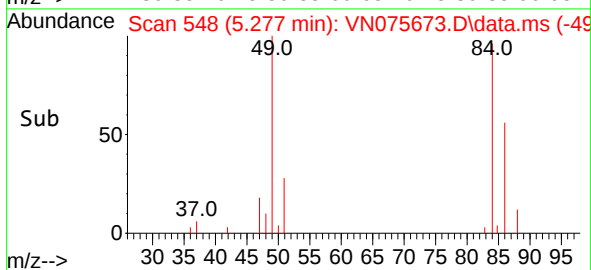
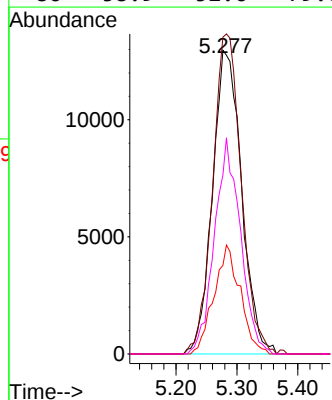
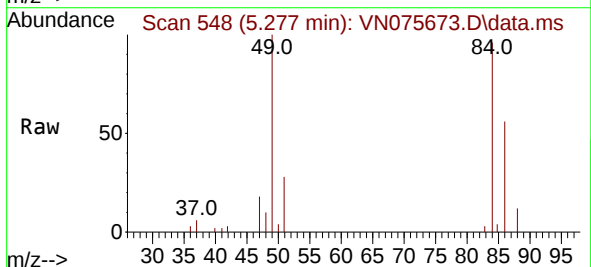
Manual Integrations
APPROVED

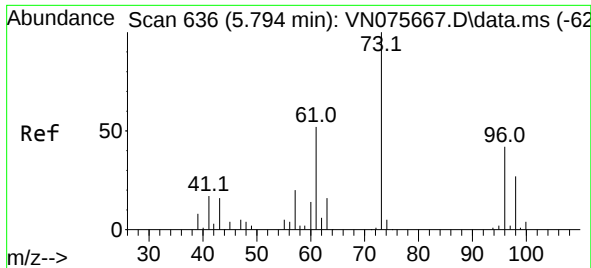
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#20
Methylene Chloride
Concen: 19.018 ug/l
RT: 5.277 min Scan# 548
Delta R.T. -0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Tgt Ion: 84 Resp: 42976
Ion Ratio Lower Upper
84 100
49 104.3 83.0 124.4
51 29.2 26.0 39.0
86 58.9 52.6 79.0





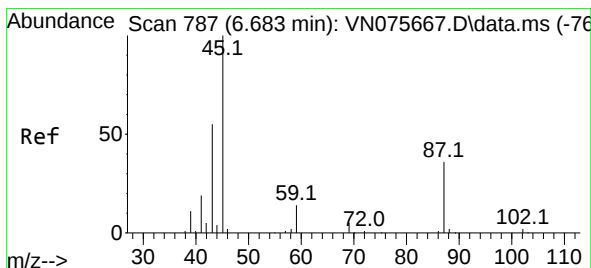
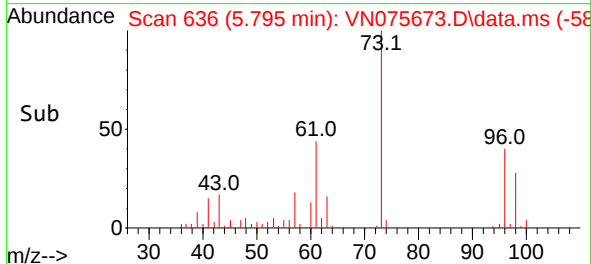
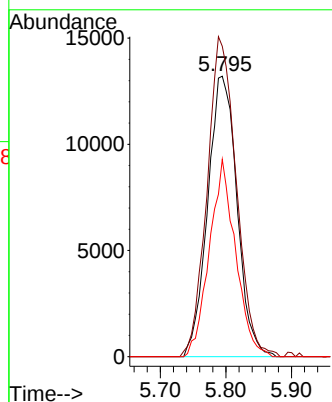
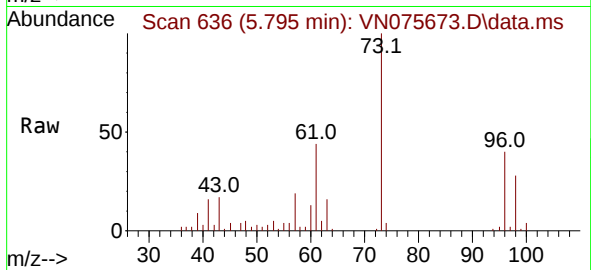
#21
trans-1,2-Dichloroethene
Concen: 20.296 ug/l
RT: 5.795 min Scan# 610
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 96 Resp: 40990
Ion Ratio Lower Upper
96 100
61 110.7 100.5 150.7
98 70.4 52.7 79.1

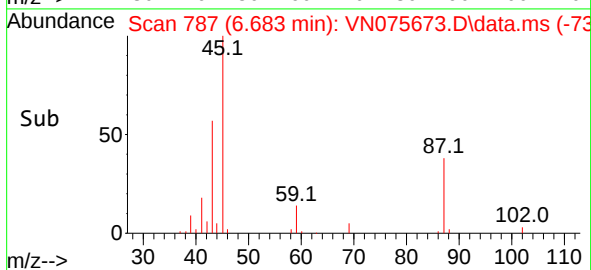
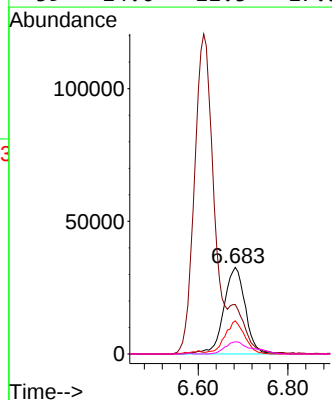
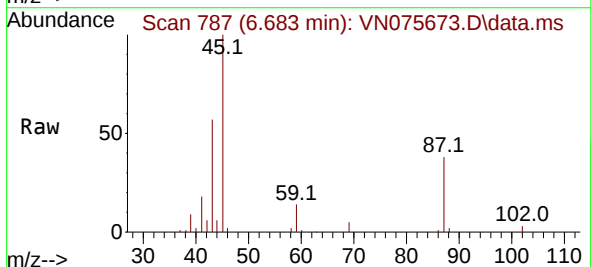
Manual Integrations
APPROVED

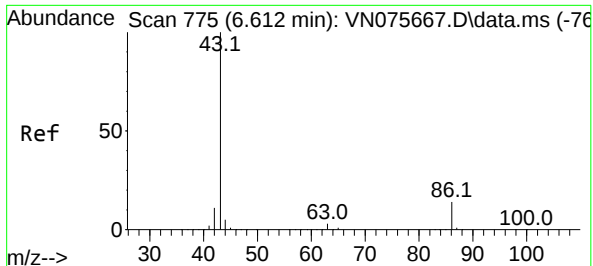
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#22
Diisopropyl ether
Concen: 21.106 ug/l
RT: 6.683 min Scan# 787
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

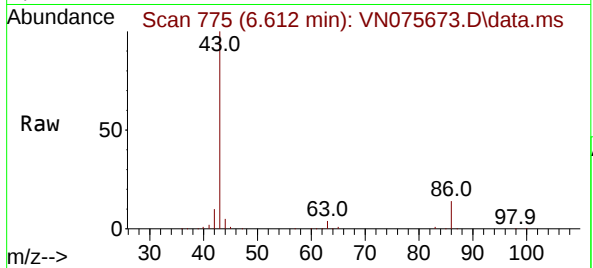
Tgt Ion: 45 Resp: 108076
Ion Ratio Lower Upper
45 100
43 55.5 44.9 67.3
87 38.3 28.8 43.2
59 14.0 11.5 17.3





#23
 Vinyl Acetate
 Concen: 102.979 ug/l m
 RT: 6.612 min Scan# 775
 Delta R.T. 0.000 min
 Lab File: VN075673.D
 Acq: 09 Dec 2022 17:43

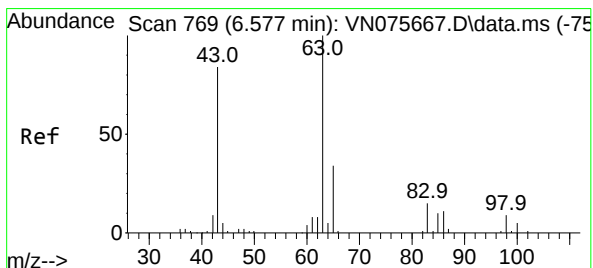
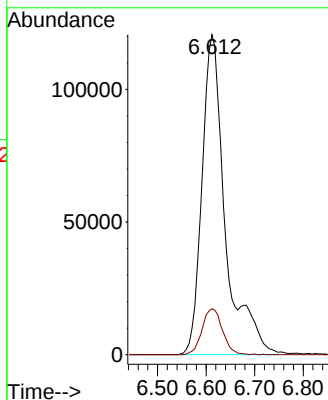
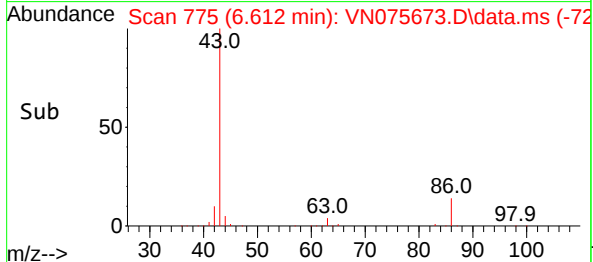
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01



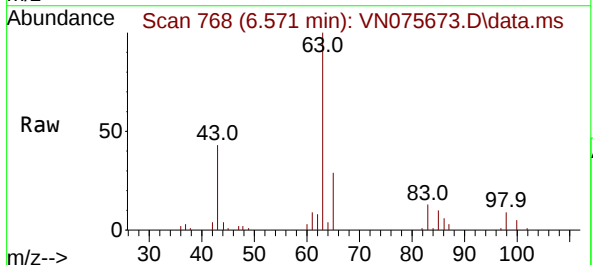
Tgt Ion: 43 Resp: 402090
 Ion Ratio Lower Upper
 43 100
 86 14.4 11.5 17.3

Manual Integrations
 APPROVED

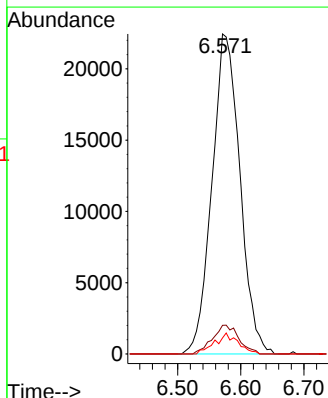
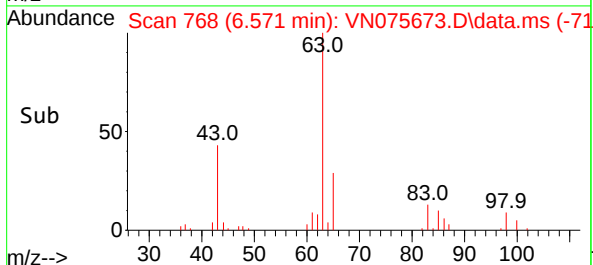
Reviewed By :John Carlone 12/12/2022
 Supervised By :Mahesh Dadoda 12/12/2022

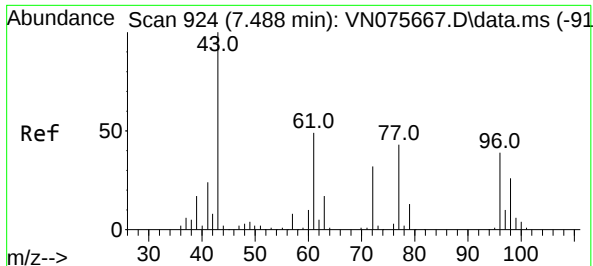


#24
 1,1-Dichloroethane
 Concen: 20.467 ug/l
 RT: 6.571 min Scan# 768
 Delta R.T. -0.006 min
 Lab File: VN075673.D
 Acq: 09 Dec 2022 17:43



Tgt Ion: 63 Resp: 68987
 Ion Ratio Lower Upper
 63 100
 98 8.9 4.3 12.9
 100 5.0 2.6 7.8





#25

2-Butanone

Concen: 100.730 ug/l

RT: 7.489 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 43 Resp: 11162

Ion Ratio Lower Upper

43 100

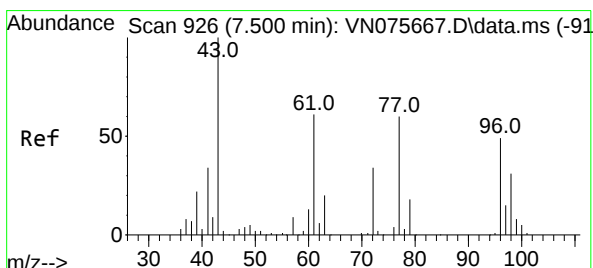
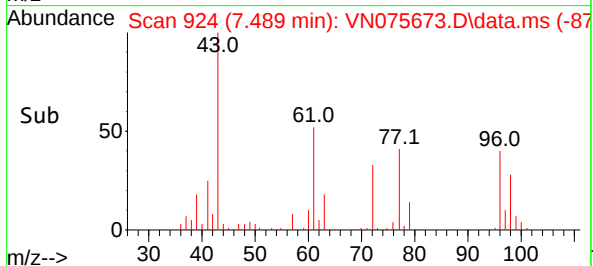
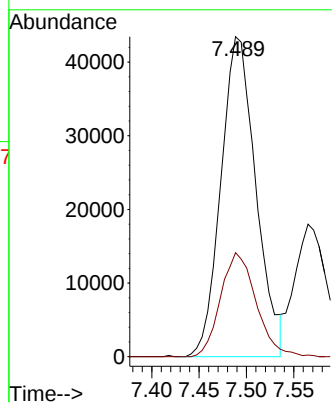
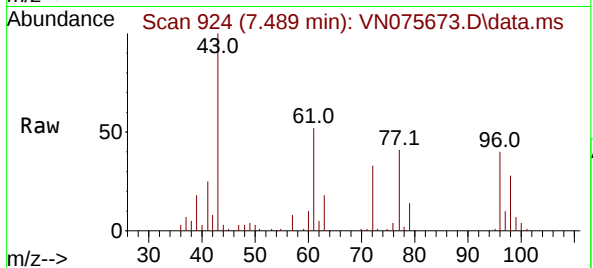
72 32.5 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#26

2,2-Dichloropropane

Concen: 20.427 ug/l

RT: 7.500 min Scan# 926

Delta R.T. 0.000 min

Lab File: VN075673.D

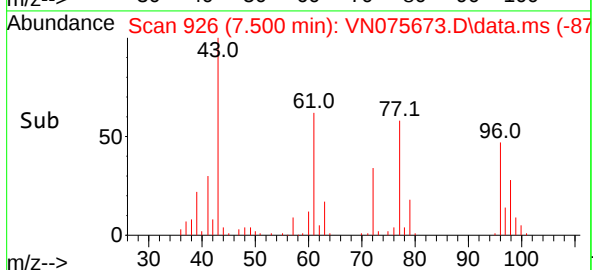
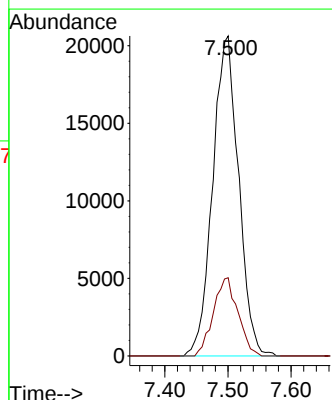
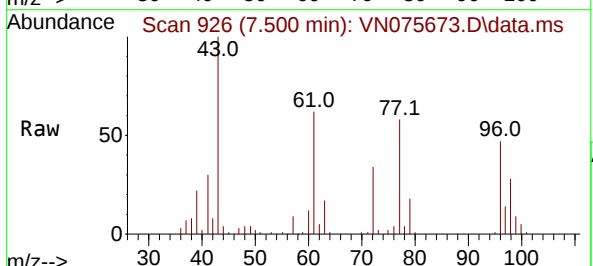
Acq: 09 Dec 2022 17:43

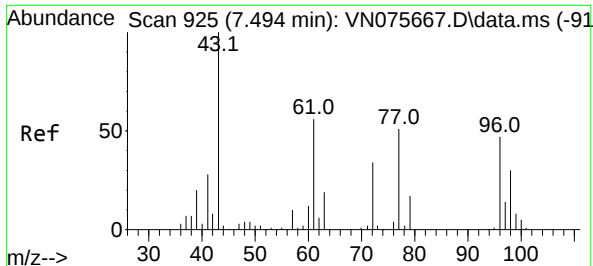
Tgt Ion: 77 Resp: 58721

Ion Ratio Lower Upper

77 100

97 23.2 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 19.704 ug/l

RT: 7.489 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 96 Resp: 4831

Ion Ratio Lower Upper

96 100

61 127.6 0.0 247.8

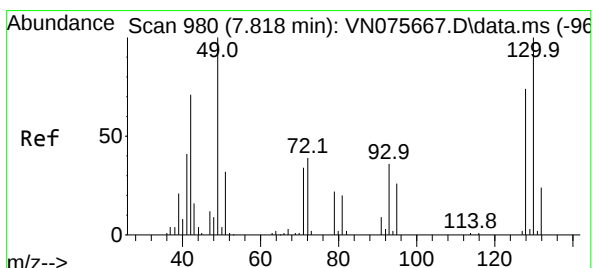
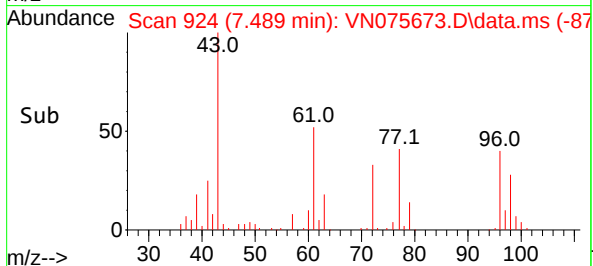
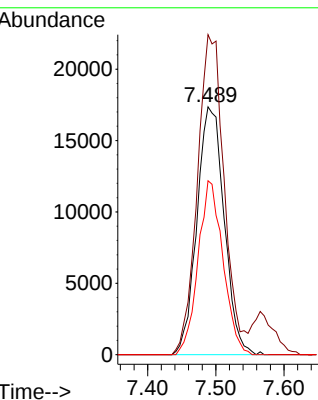
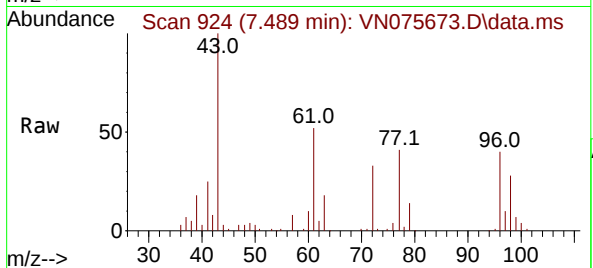
98 64.1 0.0 126.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#28

Bromochloromethane

Concen: 20.750 ug/l

RT: 7.812 min Scan# 979

Delta R.T. -0.006 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

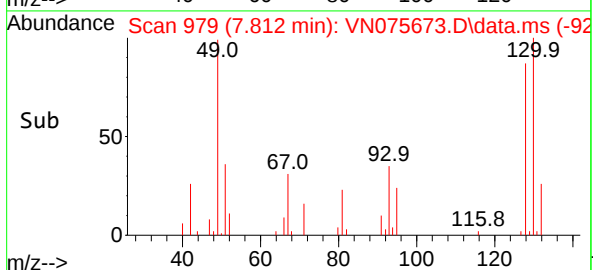
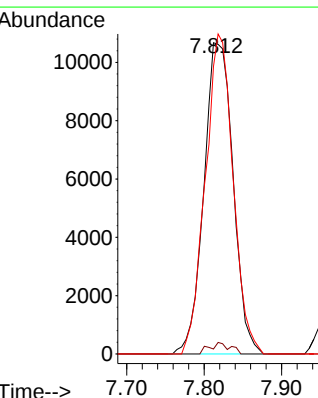
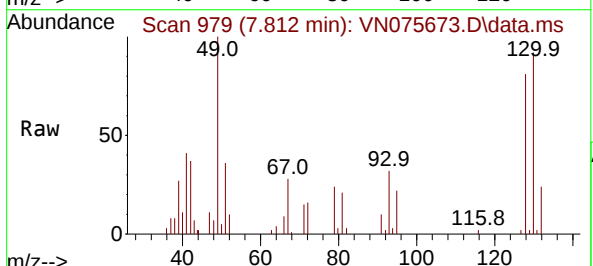
Tgt Ion: 49 Resp: 27964

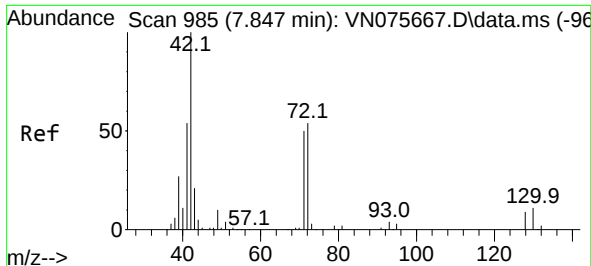
Ion Ratio Lower Upper

49 100

129 2.6 0.0 5.4

130 98.0 78.5 117.7





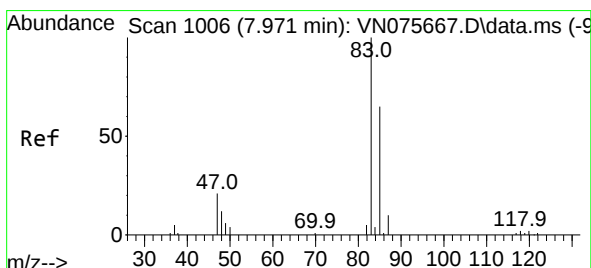
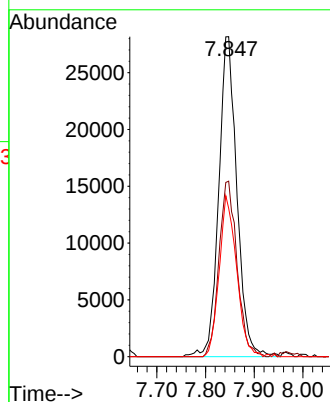
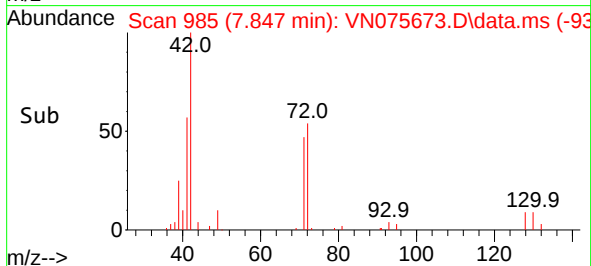
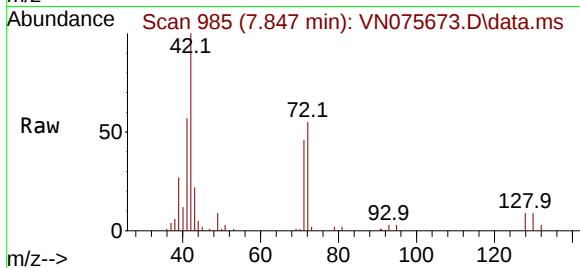
#29
Tetrahydrofuran
Concen: 106.883 ug/l
RT: 7.847 min Scan# 985
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 42 Resp: 73002
Ion Ratio Lower Upper
42 100
72 54.6 44.6 67.0
71 48.1 41.2 61.8

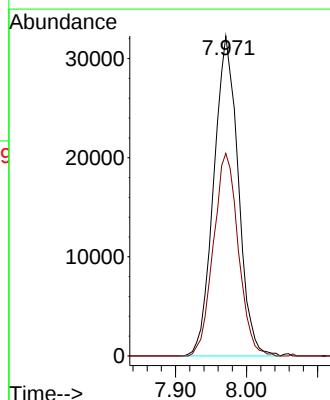
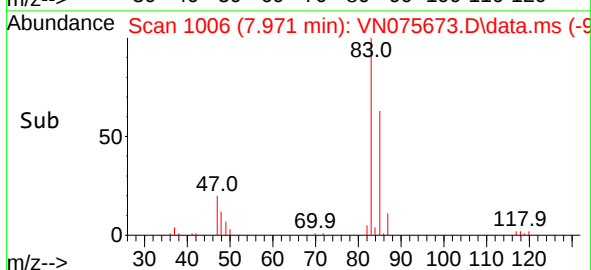
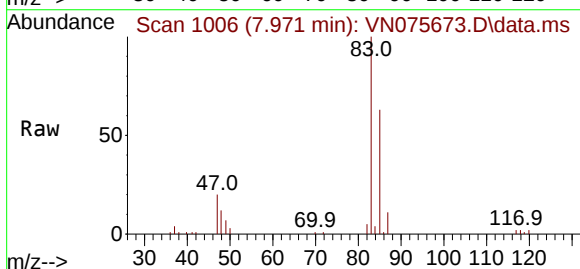
Manual Integrations
APPROVED

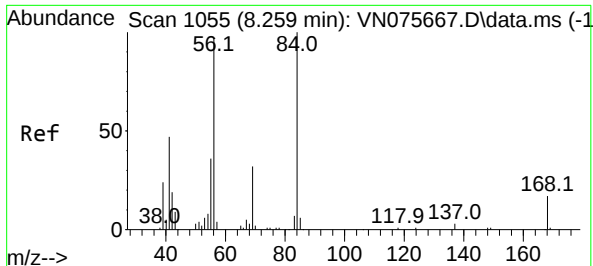
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#30
Chloroform
Concen: 20.627 ug/l
RT: 7.971 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

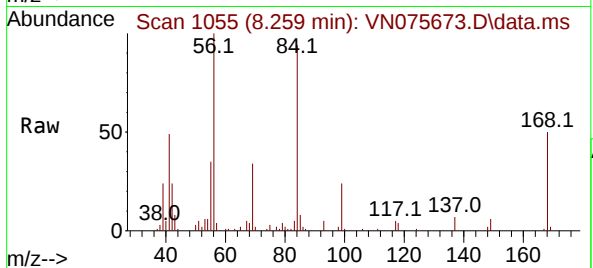
Tgt Ion: 83 Resp: 77009
Ion Ratio Lower Upper
83 100
85 63.3 51.8 77.6





#31
Cyclohexane
Concen: 19.051 ug/l
RT: 8.259 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

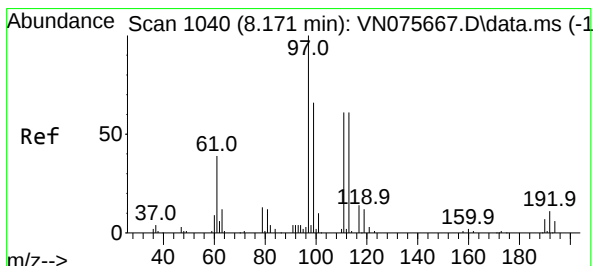
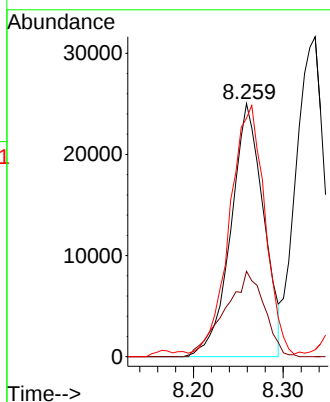
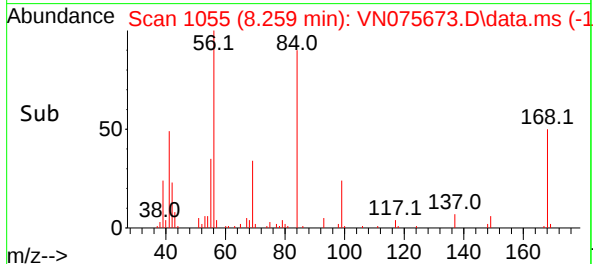
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



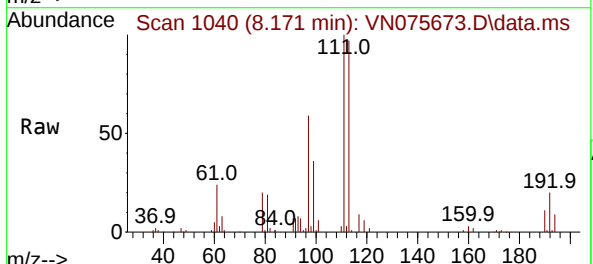
Tgt Ion: 56 Resp: 6313
Ion Ratio Lower Upper
56 100
69 33.8 26.2 39.2
84 92.3 82.8 124.2

Manual Integrations
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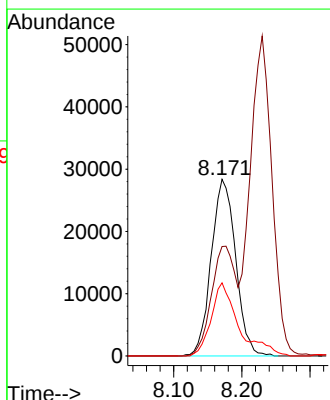
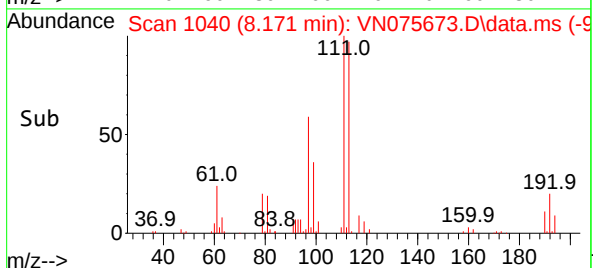
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

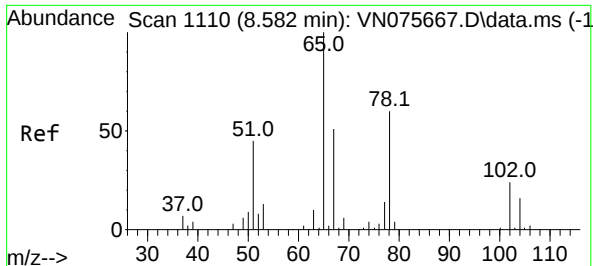


#32
1,1,1-Trichloroethane
Concen: 20.558 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



Tgt Ion: 97 Resp: 70811
Ion Ratio Lower Upper
97 100
99 61.0 51.2 76.8
61 46.3 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 54.785 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 65 Resp: 122620

Ion Ratio Lower Upper

65 100

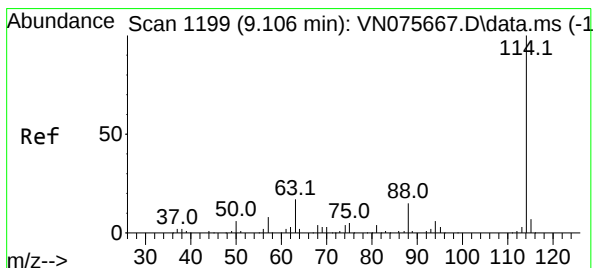
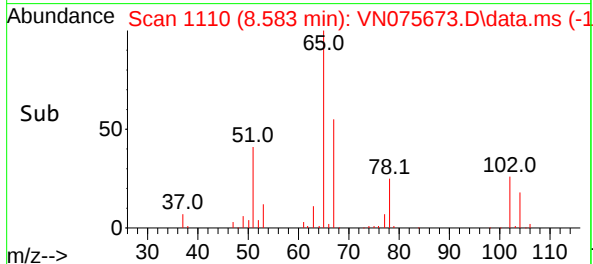
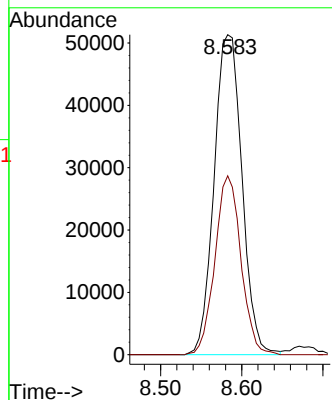
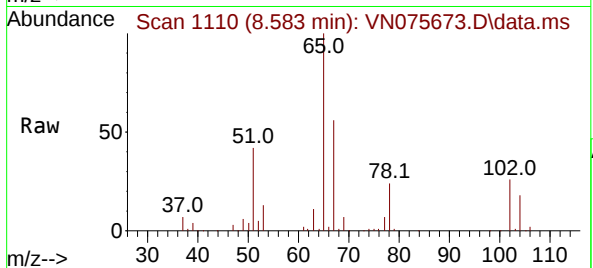
67 52.1 0.0 104.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

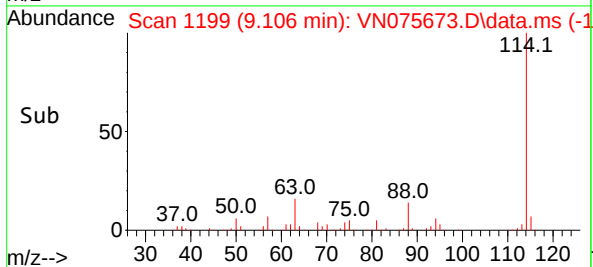
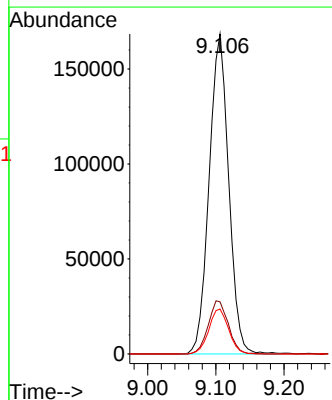
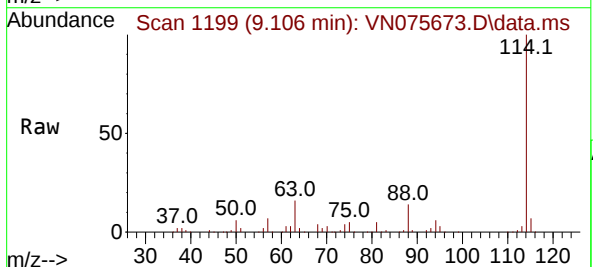
Tgt Ion:114 Resp: 336411

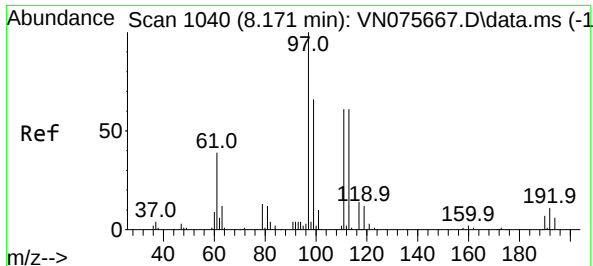
Ion Ratio Lower Upper

114 100

63 16.3 0.0 34.4

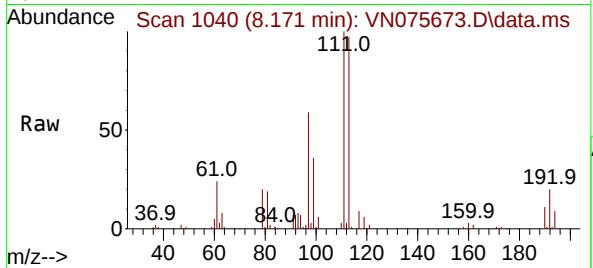
88 14.0 0.0 29.2





#35
Dibromofluoromethane
Concen: 54.557 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

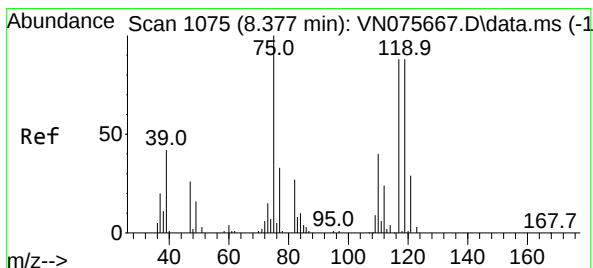
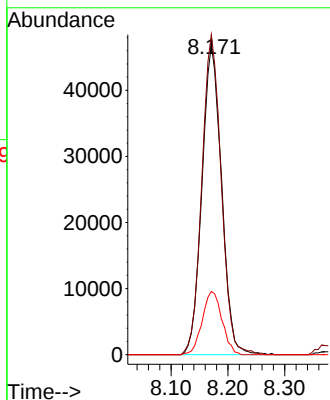
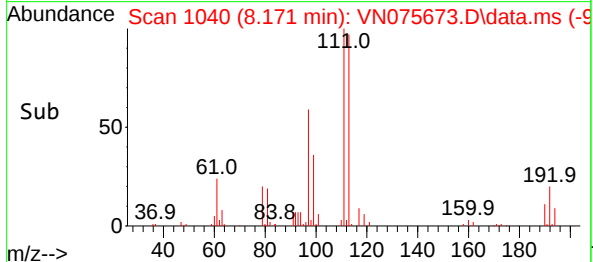
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



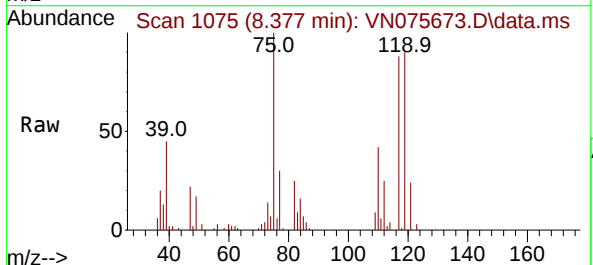
Tgt Ion: 113 Resp: 111978
Ion Ratio Lower Upper
113 100
111 102.1 81.0 121.6
192 20.6 16.2 24.2

Manual Integrations
APPROVED

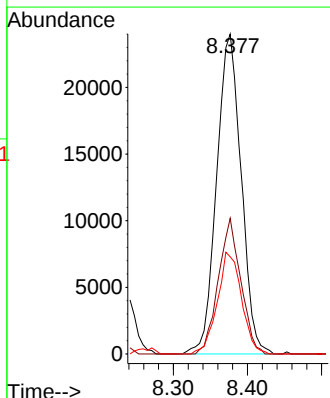
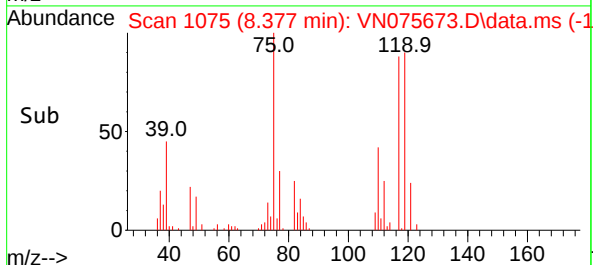
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

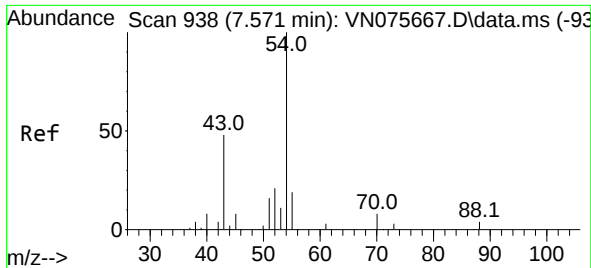


#36
1,1-Dichloropropene
Concen: 20.261 ug/l
RT: 8.377 min Scan# 1075
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



Tgt Ion: 75 Resp: 55220
Ion Ratio Lower Upper
75 100
110 38.8 18.9 56.9
77 31.3 25.4 38.2





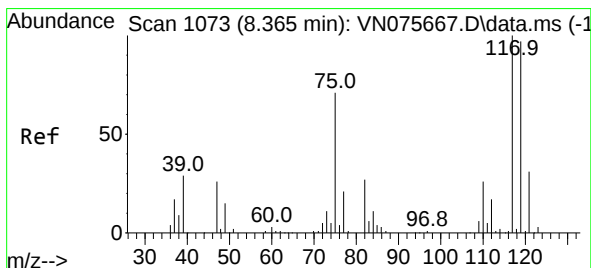
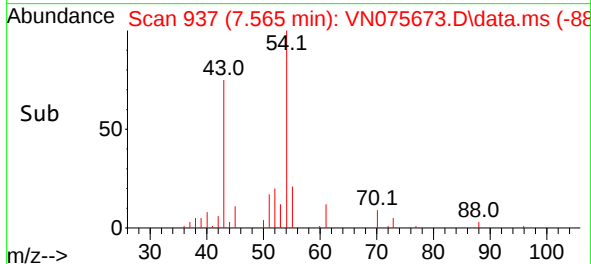
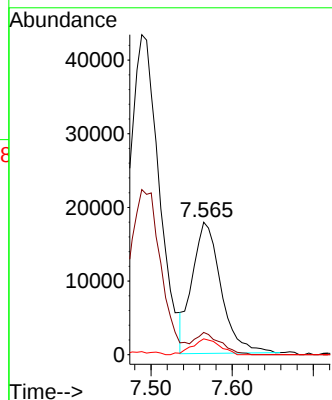
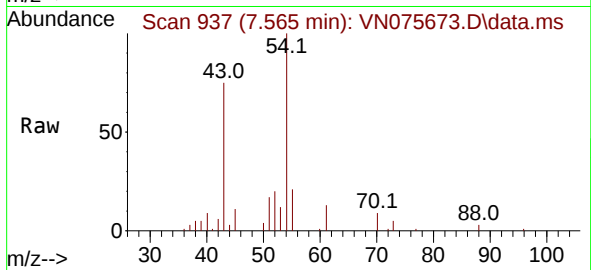
#37
Ethyl Acetate
Concen: 20.064 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 43 Resp: 43904
Ion Ratio Lower Upper
43 100
61 14.6 13.3 19.9
70 11.4 9.9 14.9

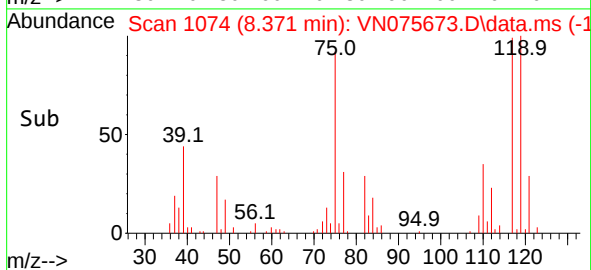
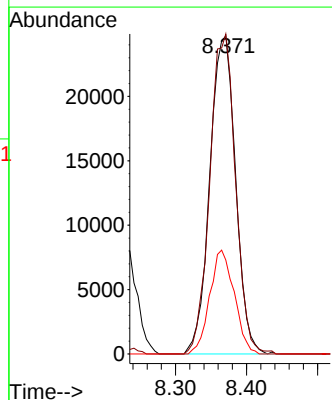
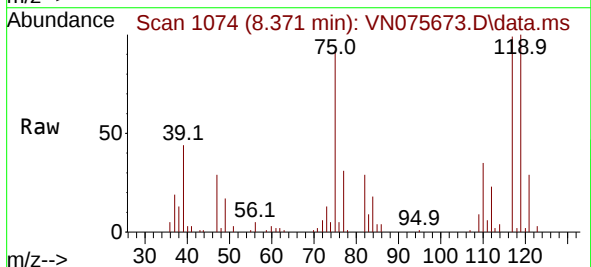
Manual Integrations
APPROVED

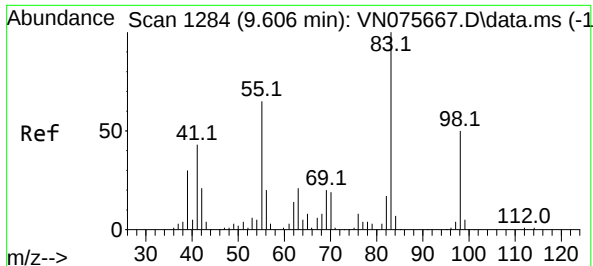
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#38
Carbon Tetrachloride
Concen: 19.772 ug/l
RT: 8.371 min Scan# 1074
Delta R.T. 0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Tgt Ion:117 Resp: 62183
Ion Ratio Lower Upper
117 100
119 100.6 77.2 115.8
121 29.5 24.6 37.0





#39

Methylcyclohexane

Concen: 20.775 ug/l

RT: 9.600 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

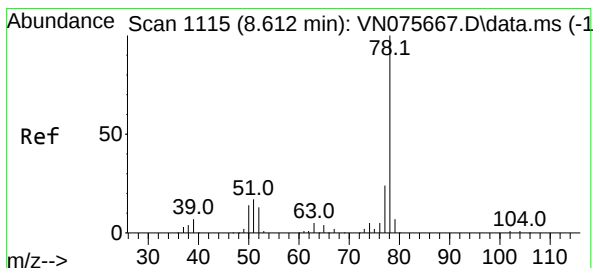
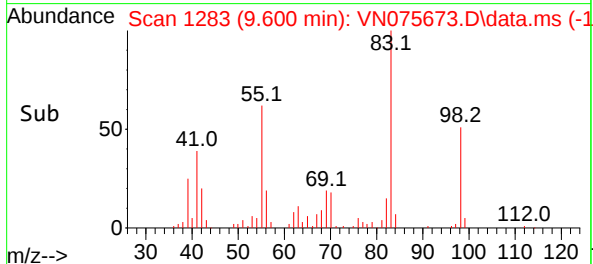
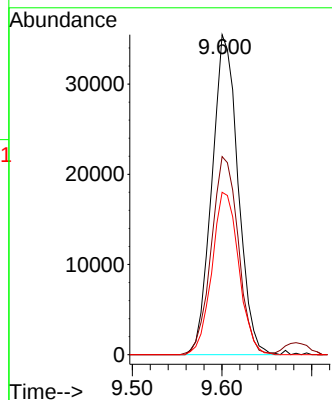
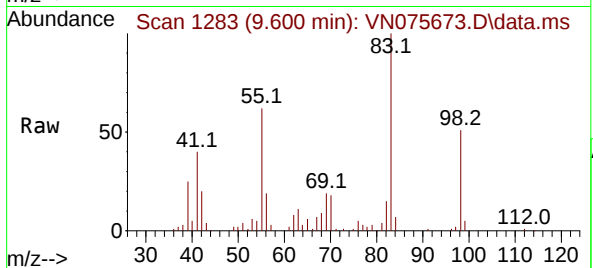
Tgt Ion: 83	Resp: 71790
Ion Ratio	Lower Upper
83 100	
55 61.9	51.6 77.4
98 50.7	39.8 59.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#40

Benzene

Concen: 20.354 ug/l

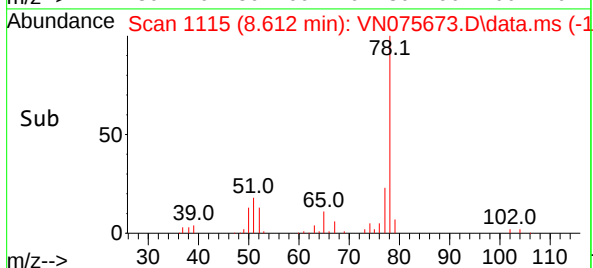
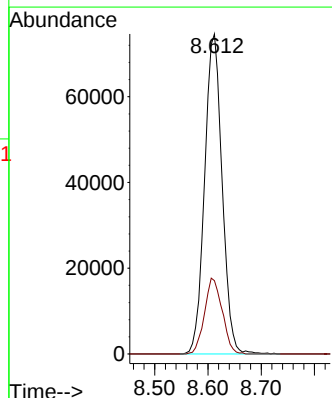
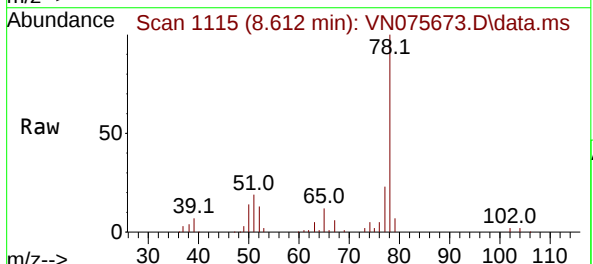
RT: 8.612 min Scan# 1115

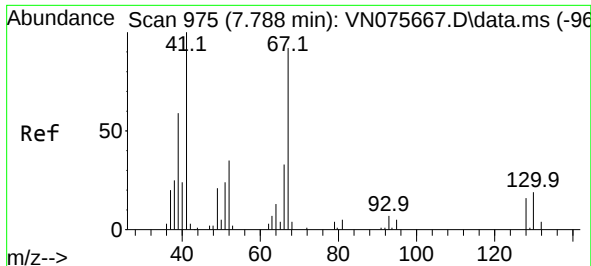
Delta R.T. 0.000 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

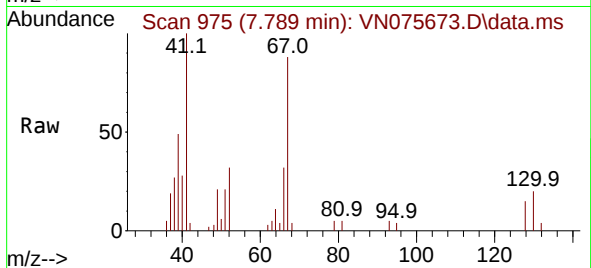
Tgt Ion: 78	Resp: 170245
Ion Ratio	Lower Upper
78 100	
77 22.9	19.1 28.7





#41
Methacrylonitrile
Concen: 20.876 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

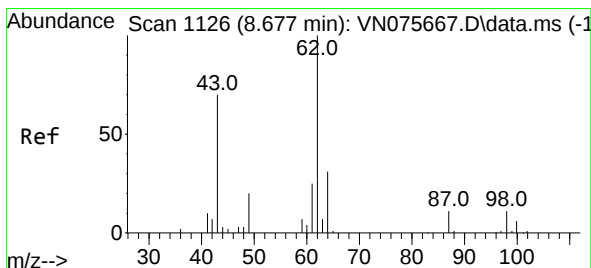
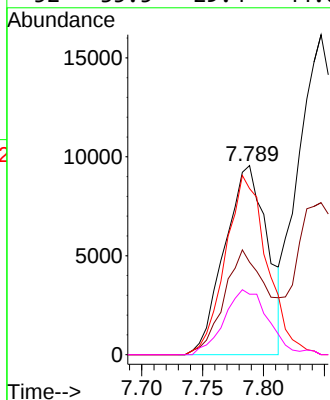
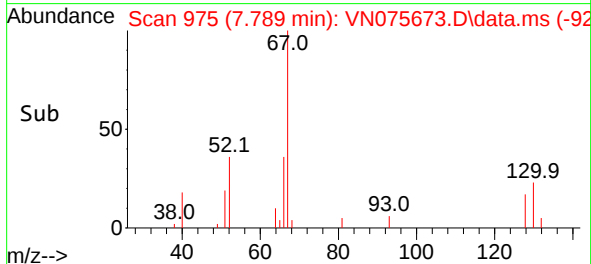
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



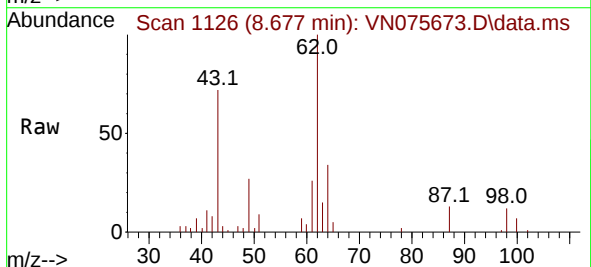
Tgt Ion: 41 Resp: 2342
Ion Ratio Lower Upper
41 100
39 55.5 46.3 69.5
67 92.2 74.0 111.0
52 35.5 29.4 44.0

Manual Integrations
APPROVED

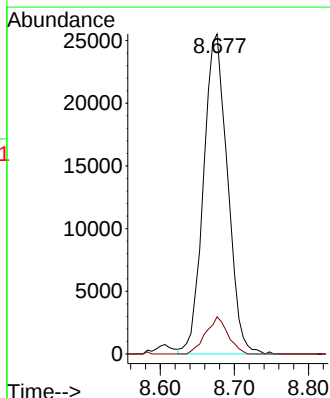
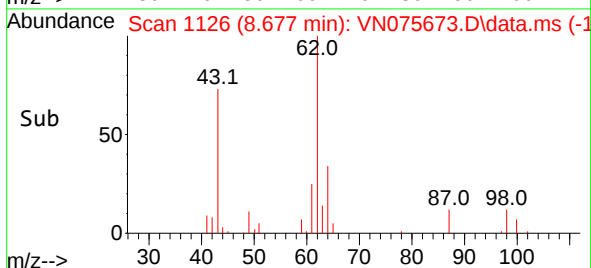
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

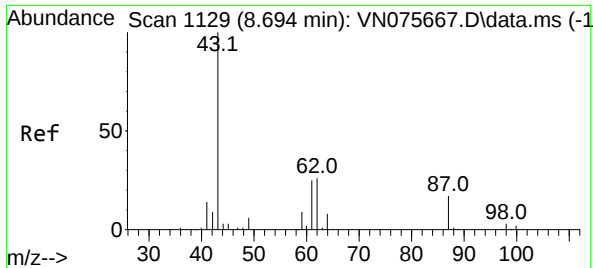


#42
1,2-Dichloroethane
Concen: 20.546 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



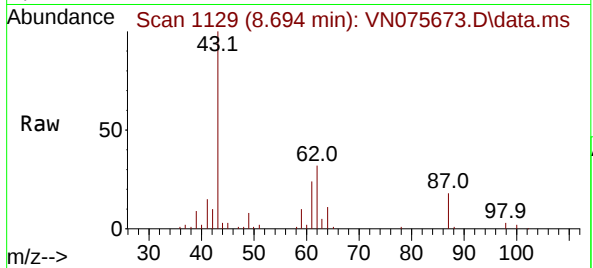
Tgt Ion: 62 Resp: 57486
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.8





#43
Isopropyl Acetate
Concen: 20.831 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

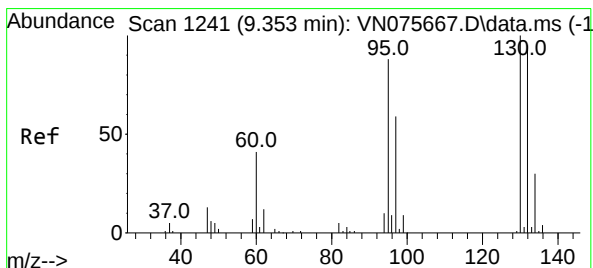
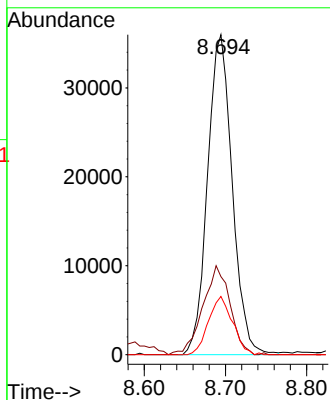
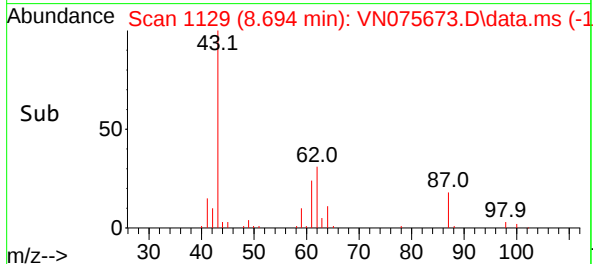
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



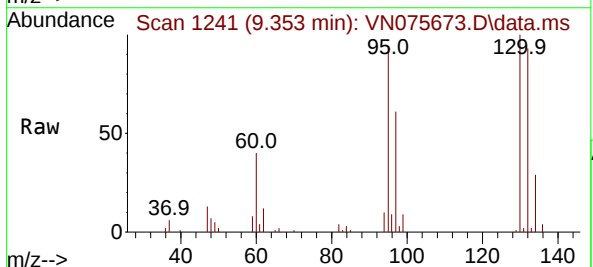
Tgt Ion: 43 Resp: 7609
Ion Ratio Lower Upper
43 100
61 30.6 23.8 35.8
87 17.7 13.7 20.5

Manual Integrations
APPROVED

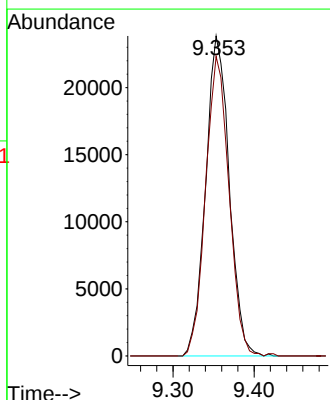
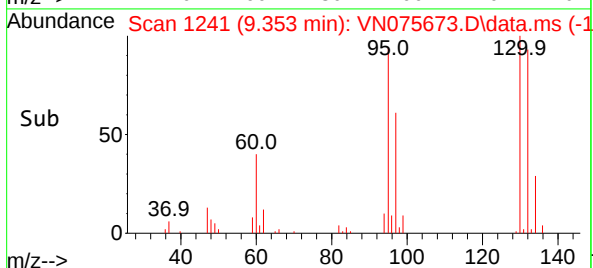
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

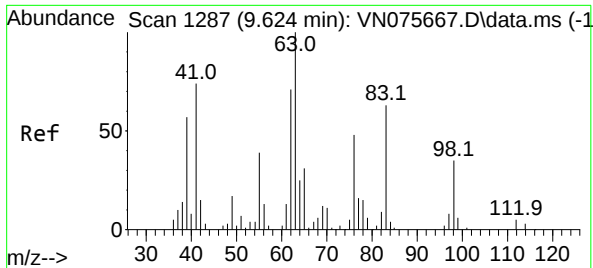


#44
Trichloroethene
Concen: 20.420 ug/l
RT: 9.353 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



Tgt Ion:130 Resp: 48184
Ion Ratio Lower Upper
130 100
95 93.6 0.0 176.8





#45

1,2-Dichloropropane

Concen: 20.817 ug/l

RT: 9.624 min Scan# 1287

Delta R.T. 0.000 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 63 Resp: 41410

Ion Ratio Lower Upper

63 100

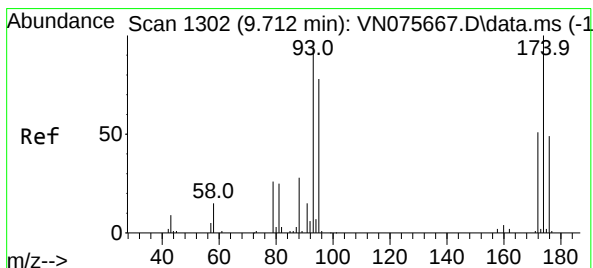
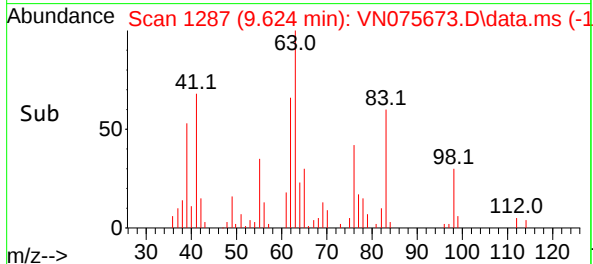
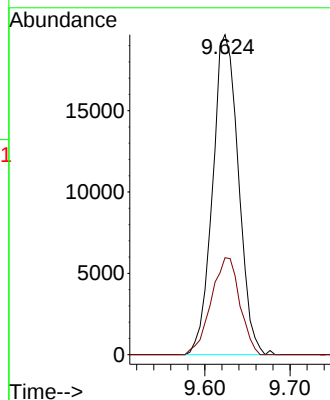
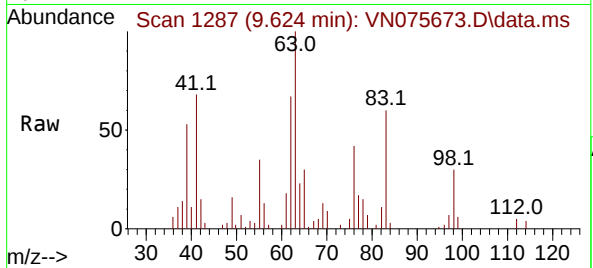
65 30.3 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#46

Dibromomethane

Concen: 20.804 ug/l

RT: 9.712 min Scan# 1302

Delta R.T. 0.000 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

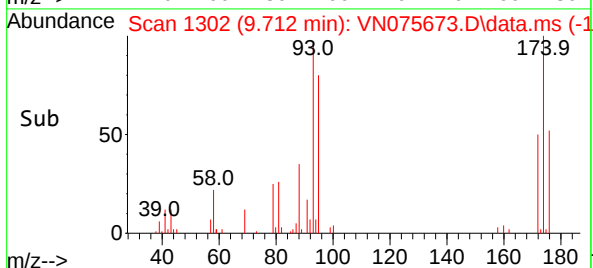
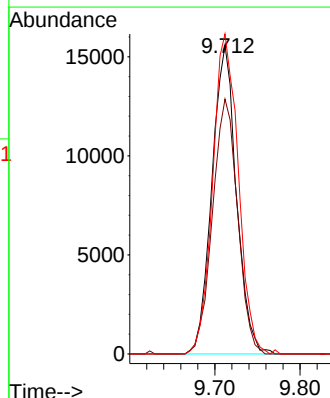
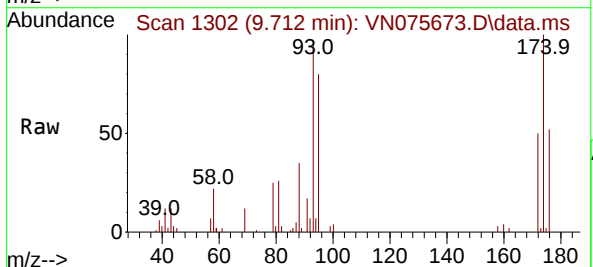
Tgt Ion: 93 Resp: 31071

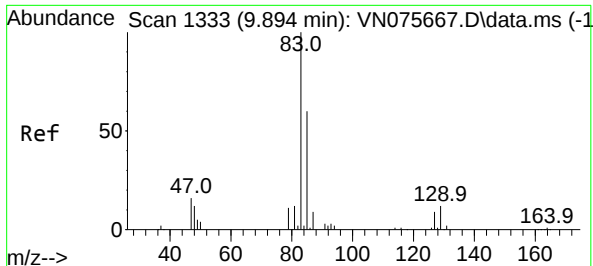
Ion Ratio Lower Upper

93 100

95 84.6 67.3 100.9

174 108.1 85.0 127.6





#47

Bromodichloromethane

Concen: 20.346 ug/l

RT: 9.894 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

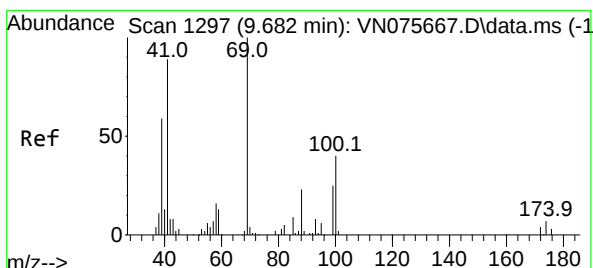
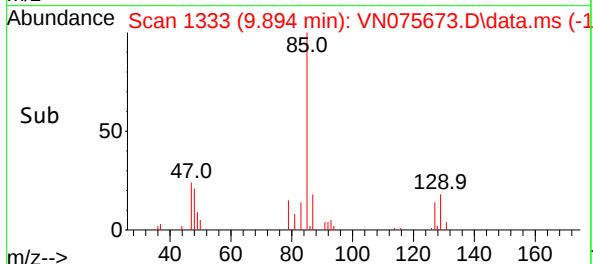
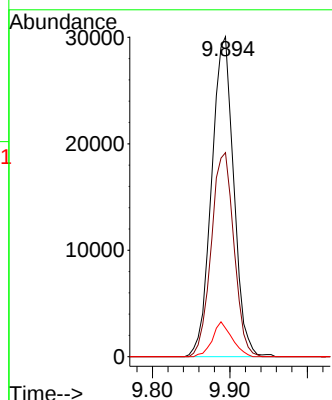
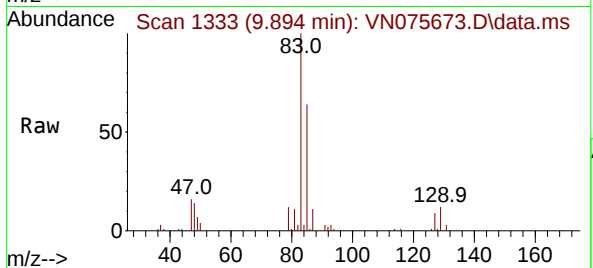
Tgt Ion: 83	Resp: 59580
Ion Ratio	Lower Upper
83 100	
85 63.8	48.0 72.0
127 8.9	7.4 11.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#48

Methyl methacrylate

Concen: 21.180 ug/l

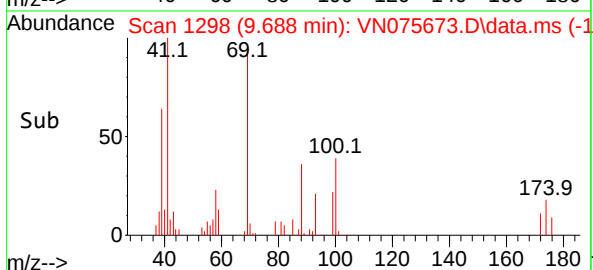
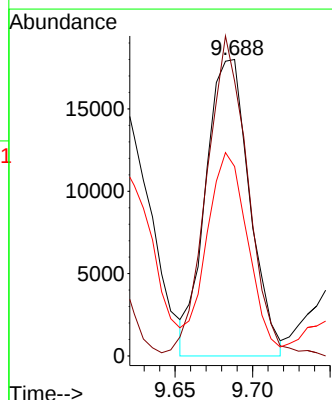
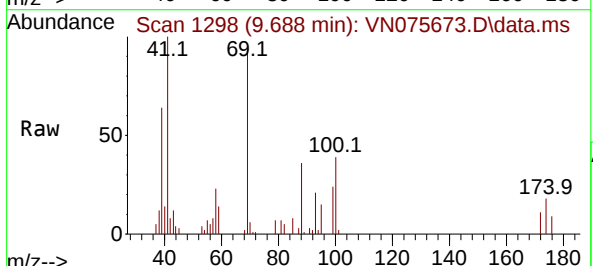
RT: 9.688 min Scan# 1298

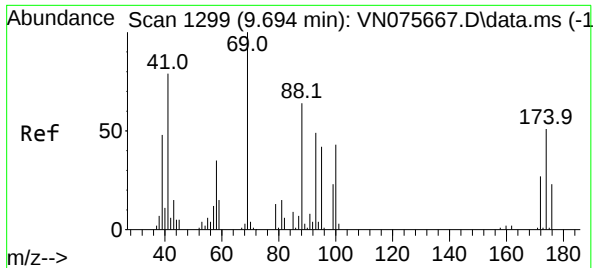
Delta R.T. 0.006 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

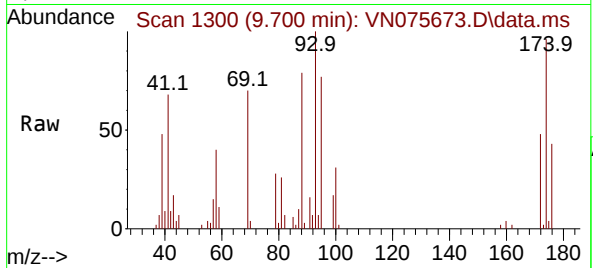
Tgt Ion: 41	Resp: 35635
Ion Ratio	Lower Upper
41 100	
69 101.2	82.5 123.7
39 65.1	53.2 79.8





#49
1,4-Dioxane
Concen: 441.289 ug/l
RT: 9.700 min Scan# 1299
Delta R.T. 0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

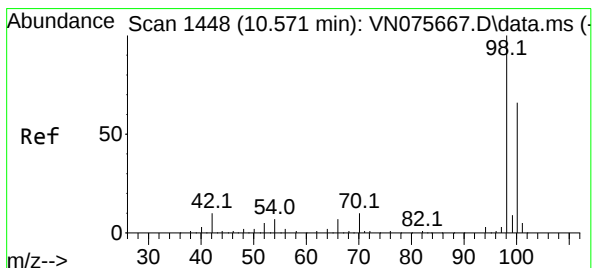
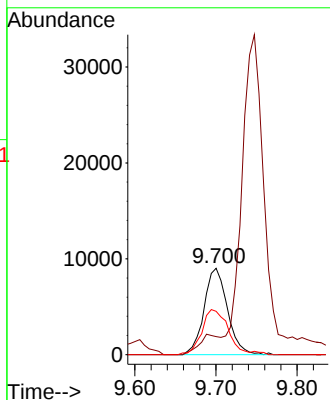
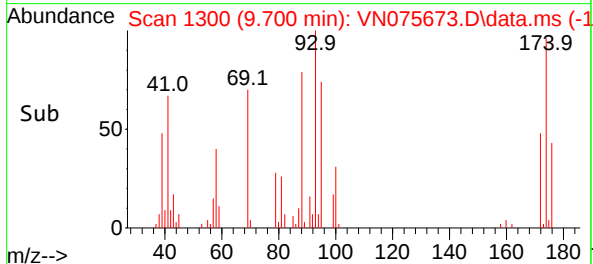
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



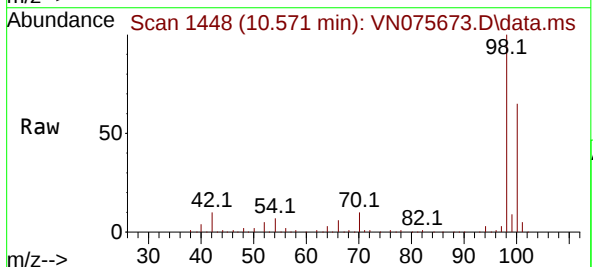
Tgt Ion: 88 Resp: 1804
Ion Ratio Lower Upper
88 100
43 21.0 17.4 26.0
58 59.8 46.8 70.2

Manual Integrations
APPROVED

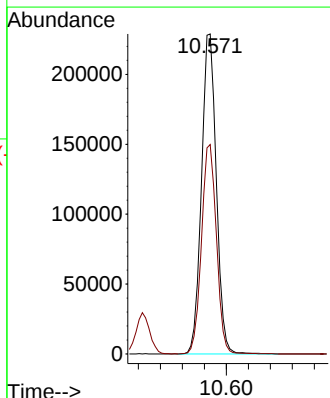
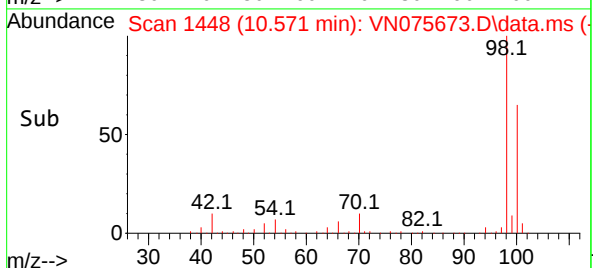
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

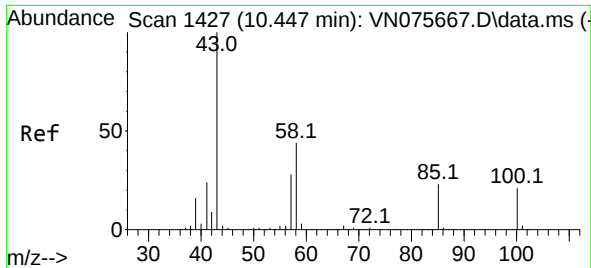


#50
Toluene-d8
Concen: 55.564 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



Tgt Ion: 98 Resp: 428289
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8





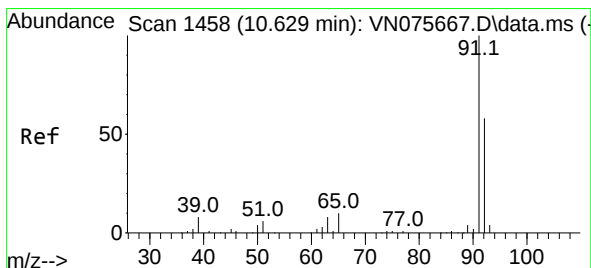
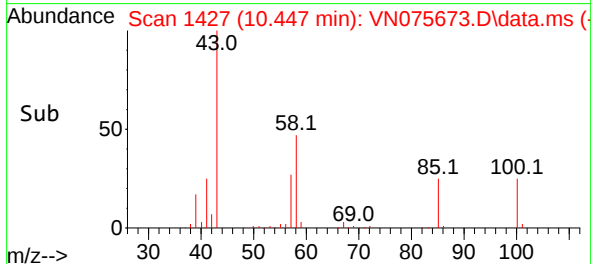
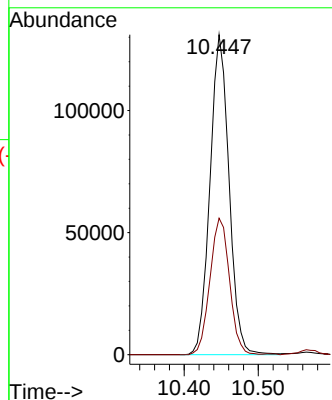
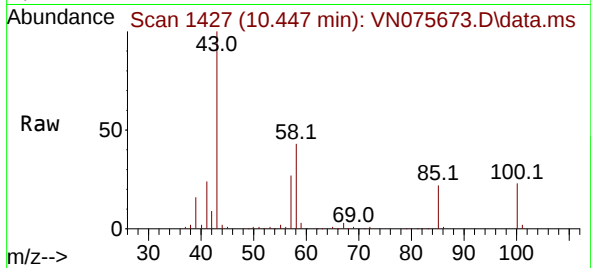
#51
4-Methyl-2-Pentanone
Concen: 103.945 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 43 Resp: 23414
Ion Ratio Lower Upper
43 100
58 43.8 35.0 52.6

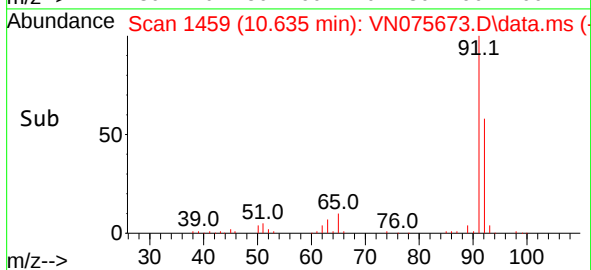
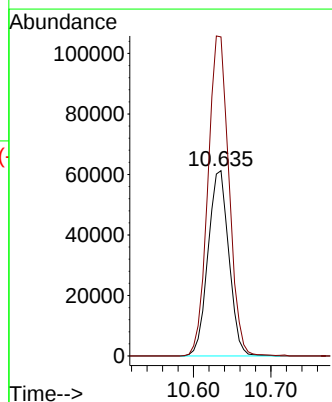
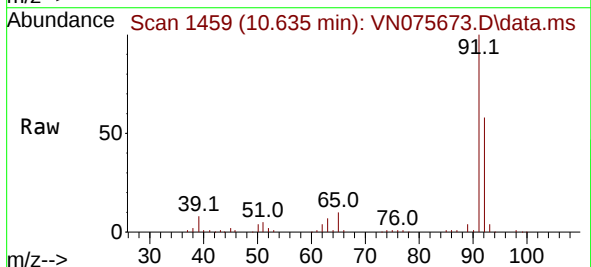
Manual Integrations
APPROVED

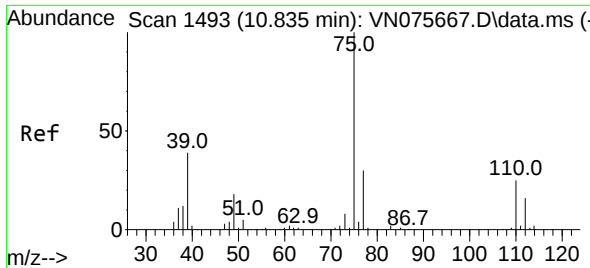
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#52
Toluene
Concen: 20.660 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Tgt Ion: 92 Resp: 114218
Ion Ratio Lower Upper
92 100
91 174.6 137.9 206.9





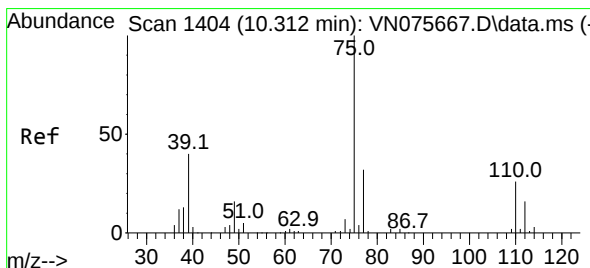
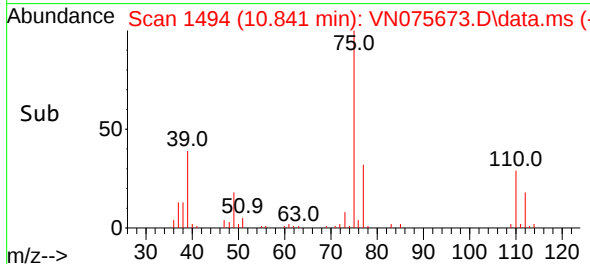
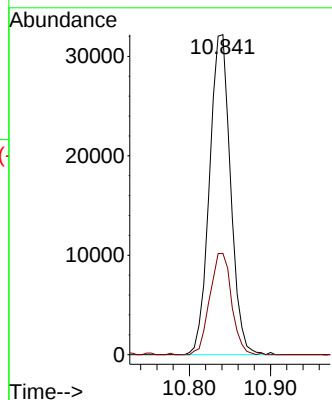
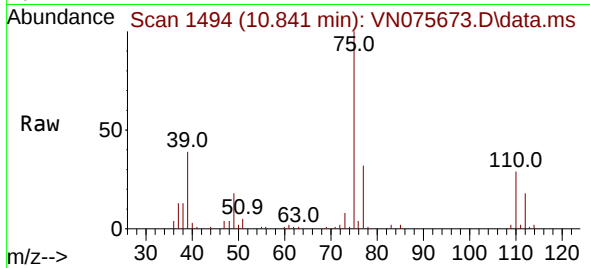
#53
t-1,3-Dichloropropene
Concen: 20.104 ug/l
RT: 10.841 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 75 Resp: 5814
Ion Ratio Lower Upper
75 100
77 31.7 24.3 36.5

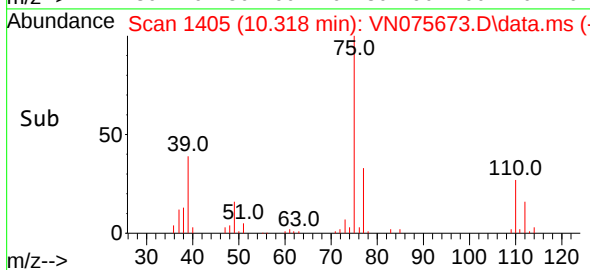
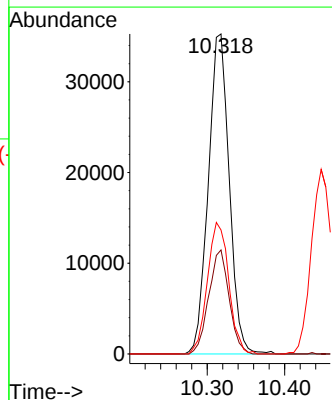
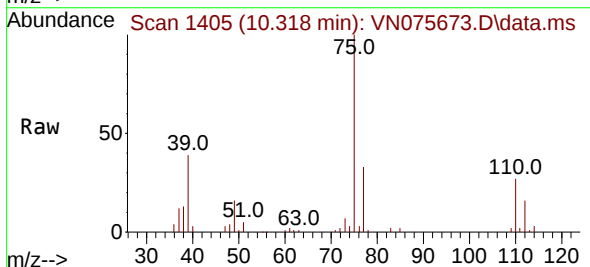
Manual Integrations
APPROVED

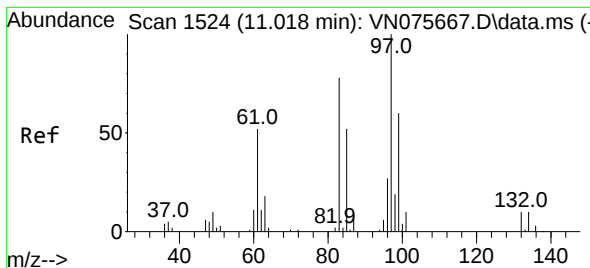
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#54
cis-1,3-Dichloropropene
Concen: 20.574 ug/l
RT: 10.318 min Scan# 1405
Delta R.T. 0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

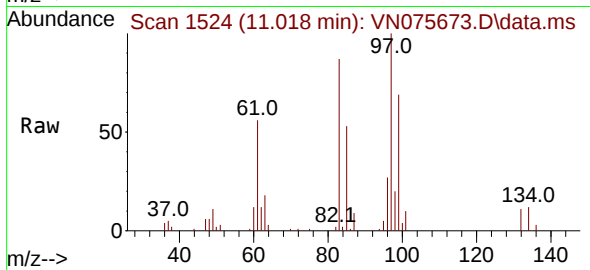
Tgt Ion: 75 Resp: 66198
Ion Ratio Lower Upper
75 100
77 32.5 25.3 37.9
39 38.7 32.0 48.0





#55
1,1,2-Trichloroethane
Concen: 20.587 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

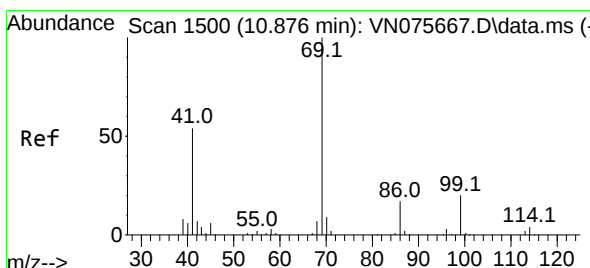
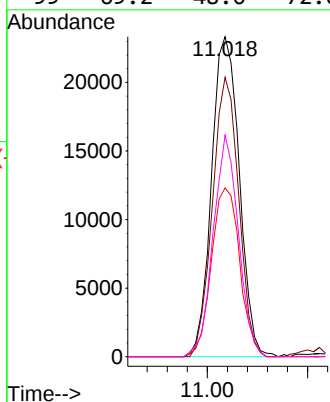
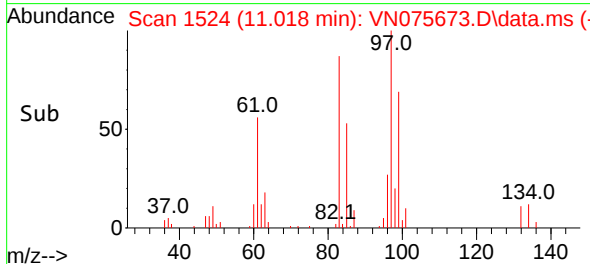


Tgt Ion: 97 Resp: 44749

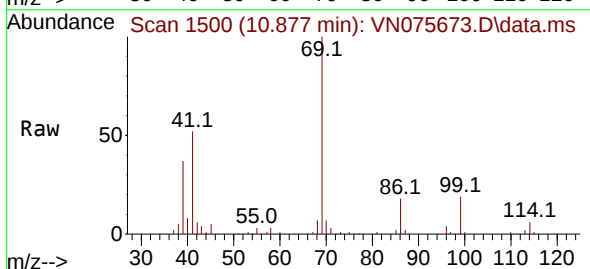
Ion	Ratio	Lower	Upper
97	100		
83	87.3	62.7	94.1
85	52.8	41.8	62.6
99	69.2	48.0	72.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

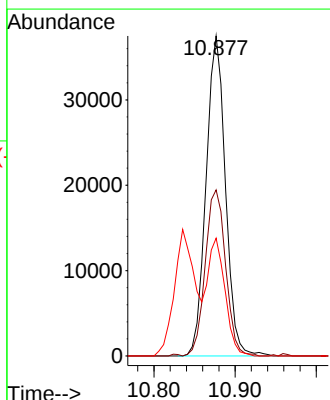
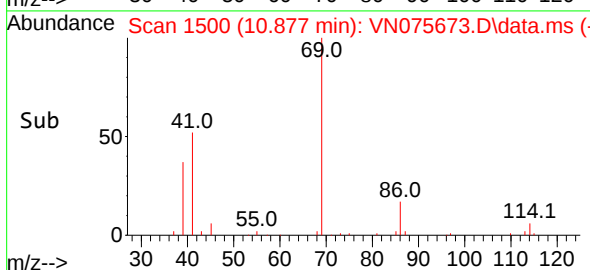


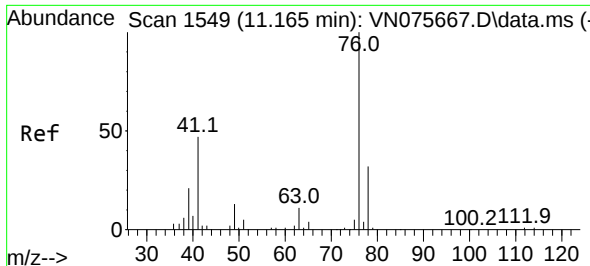
#56
Ethyl methacrylate
Concen: 21.071 ug/l
RT: 10.877 min Scan# 1500
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



Tgt Ion: 69 Resp: 62062

Ion	Ratio	Lower	Upper
69	100		
41	54.7	44.1	66.1
39	33.2	27.7	41.5





#57

1,3-Dichloropropane

Concen: 20.869 ug/l

RT: 11.165 min Scan# 111

Delta R.T. 0.000 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 76 Resp: 73320

Ion Ratio Lower Upper

76 100

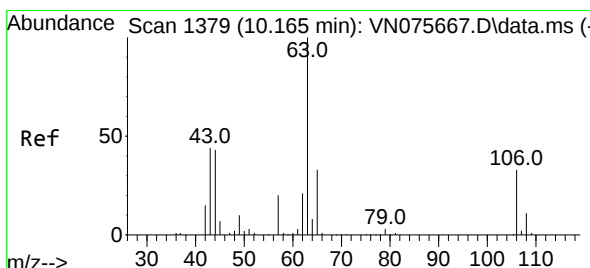
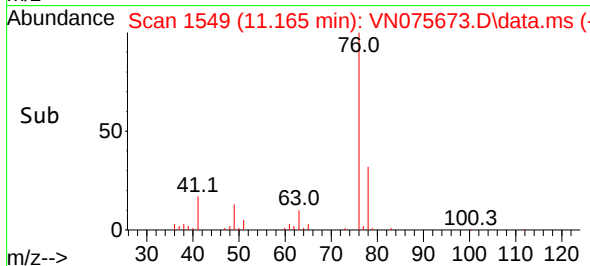
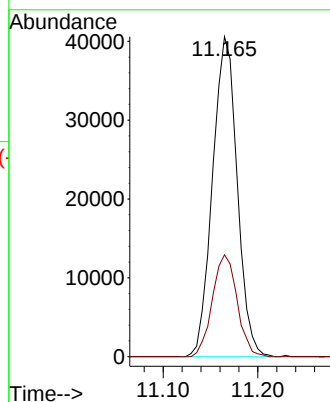
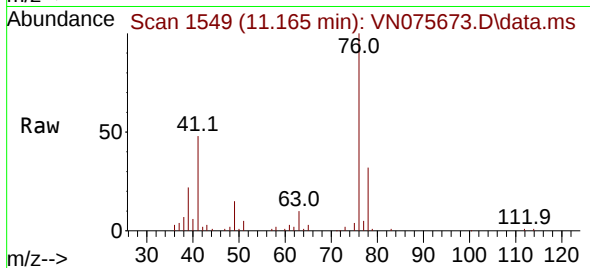
78 32.0 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#58

2-Chloroethyl Vinyl ether

Concen: 103.178 ug/l

RT: 10.159 min Scan# 1378

Delta R.T. -0.006 min

Lab File: VN075673.D

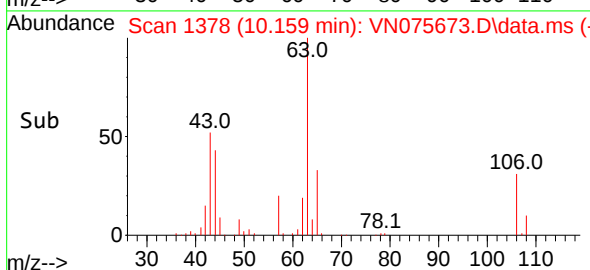
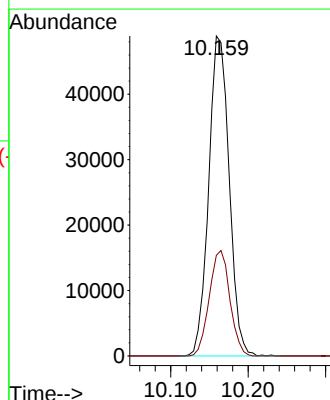
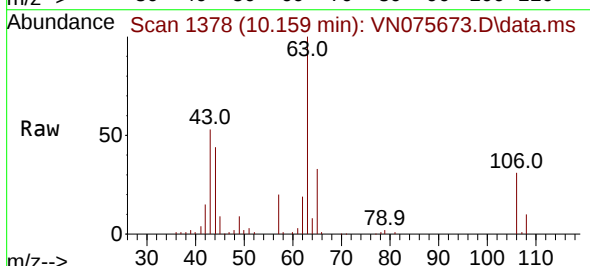
Acq: 09 Dec 2022 17:43

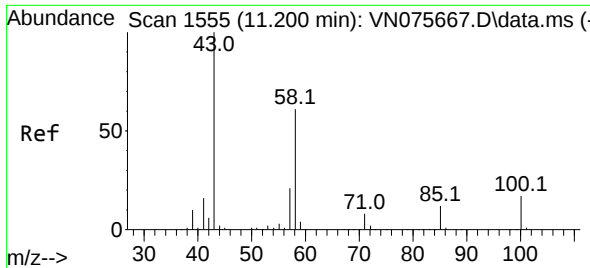
Tgt Ion: 63 Resp: 89727

Ion Ratio Lower Upper

63 100

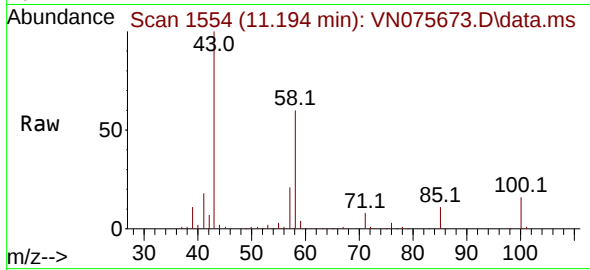
106 33.2 26.6 40.0





#59
2-Hexanone
Concen: 105.260 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

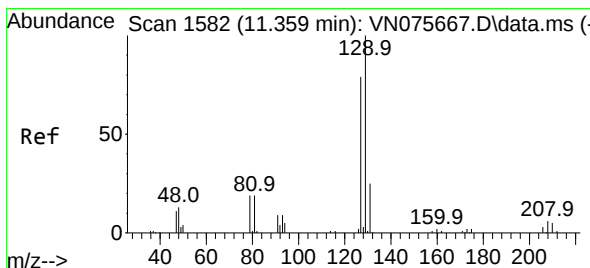
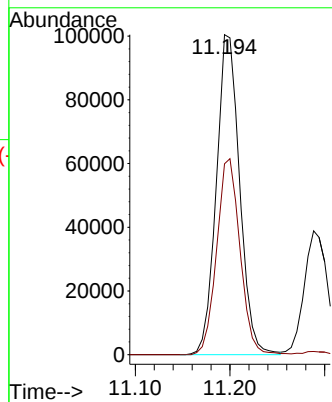
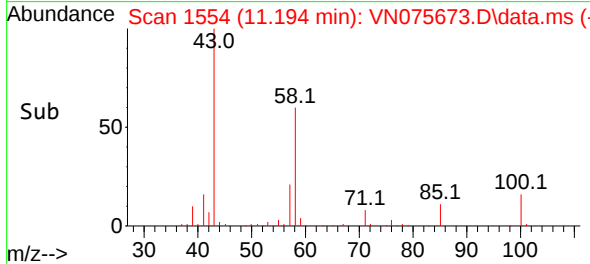
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



Tgt Ion: 43 Resp: 172260
Ion Ratio Lower Upper
43 100
58 61.2 30.9 92.5

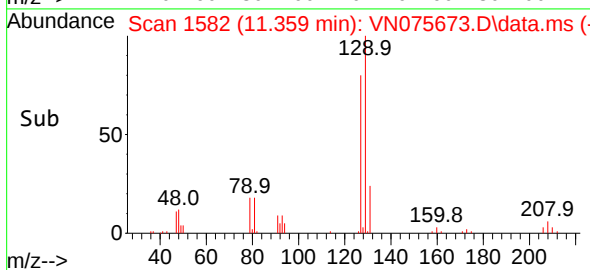
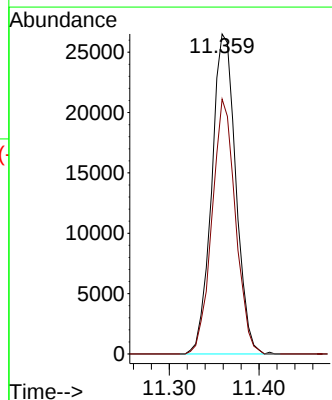
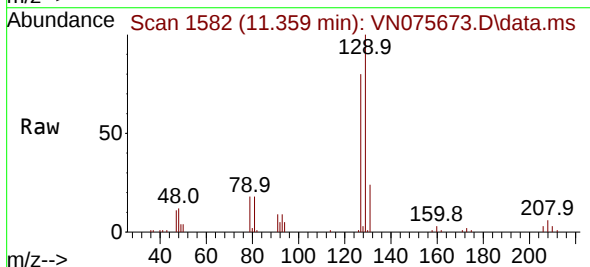
Manual Integrations
APPROVED

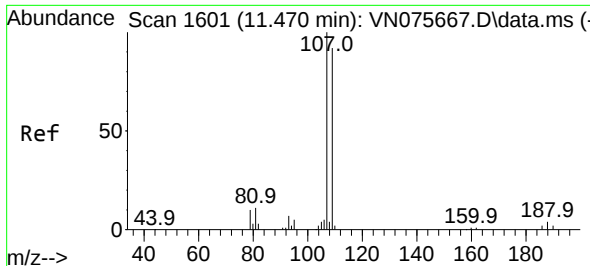
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#60
Dibromochloromethane
Concen: 20.658 ug/l
RT: 11.359 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Tgt Ion:129 Resp: 49412
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





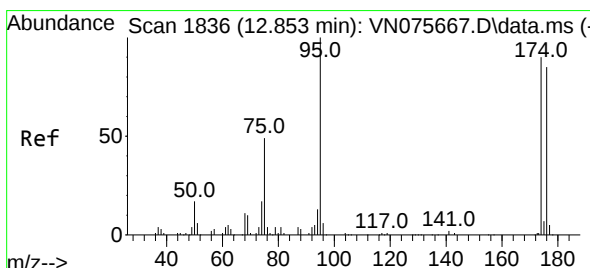
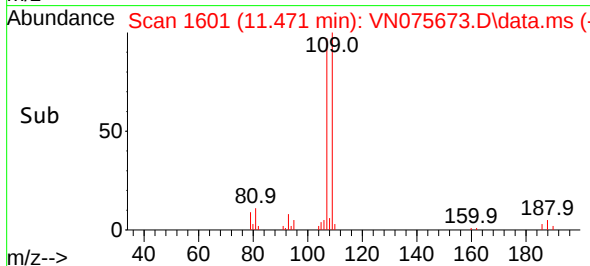
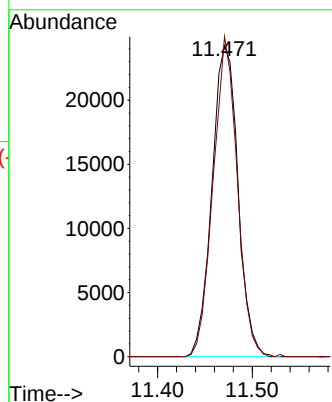
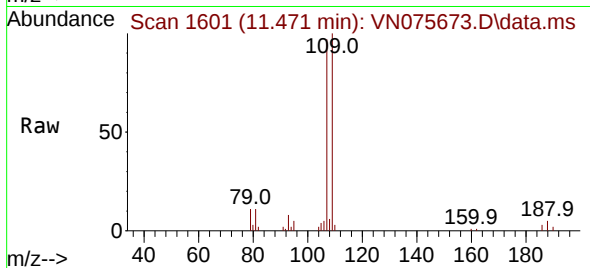
#61
1,2-Dibromoethane
Concen: 20.307 ug/l
RT: 11.471 min Scan# 1601
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:107 Resp: 46240
Ion Ratio Lower Upper
107 100
109 95.3 75.4 113.2

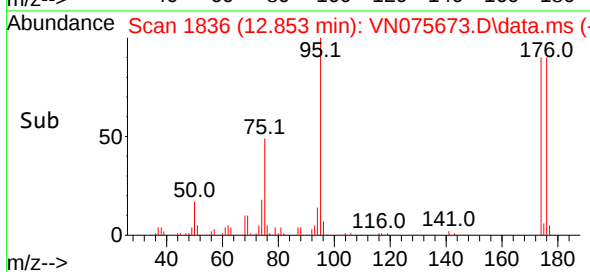
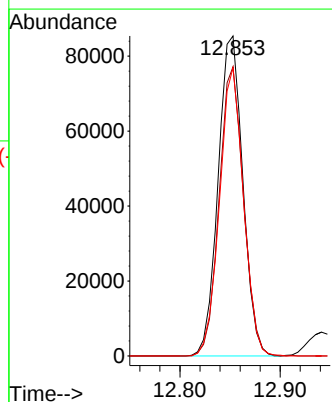
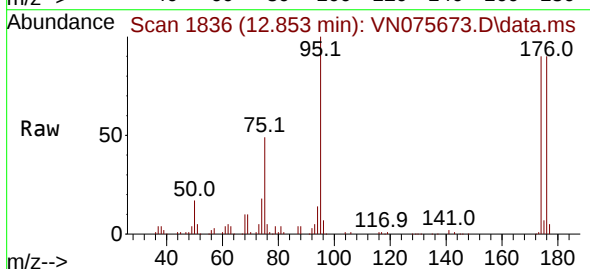
Manual Integrations
APPROVED

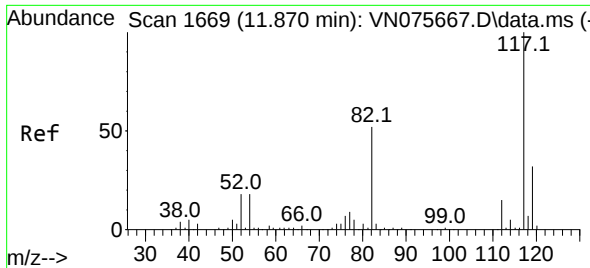
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#62
4-Bromofluorobenzene
Concen: 55.460 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

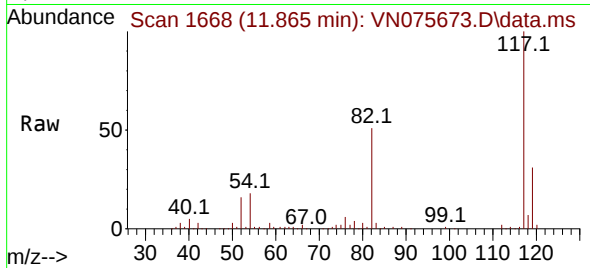
Tgt Ion: 95 Resp: 146161
Ion Ratio Lower Upper
95 100
174 88.5 0.0 178.6
176 87.2 0.0 170.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

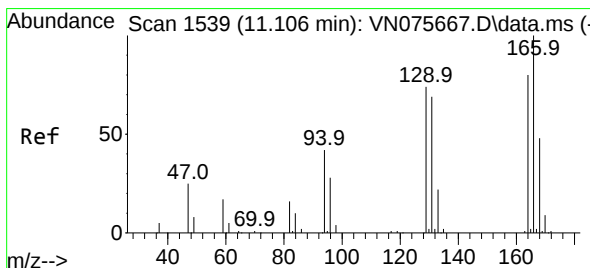
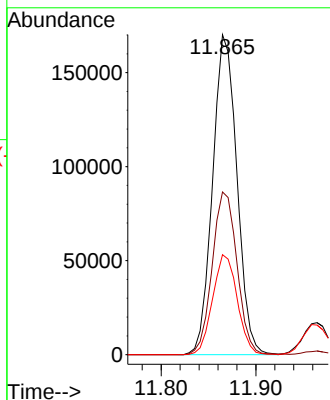
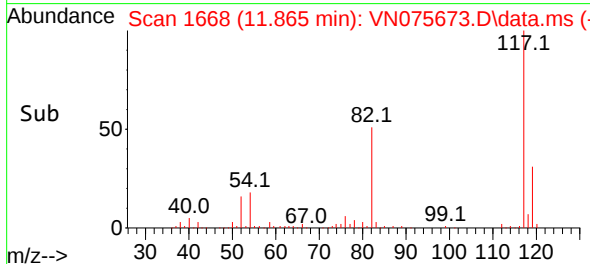
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



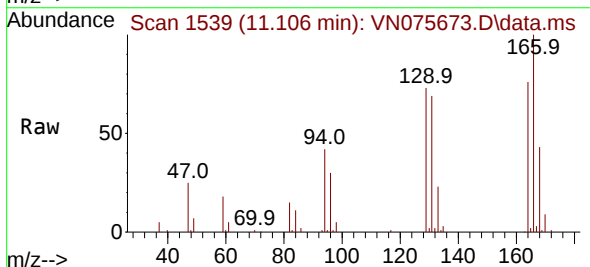
Tgt Ion:117 Resp: 303502
Ion Ratio Lower Upper
117 100
82 50.9 41.8 62.8
119 31.2 25.8 38.6

Manual Integrations
APPROVED

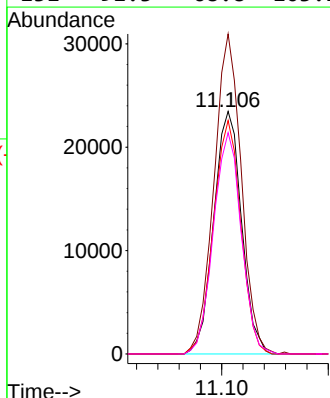
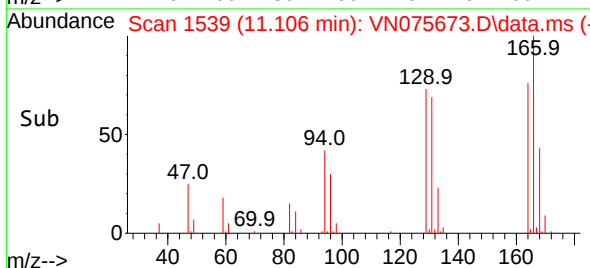
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

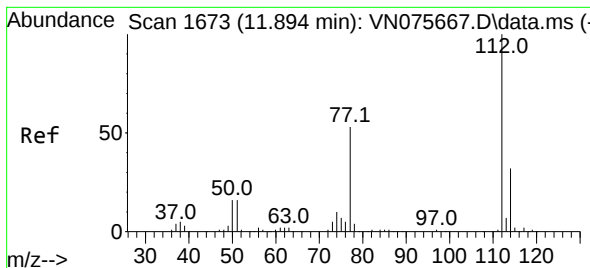


#64
Tetrachloroethene
Concen: 19.188 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



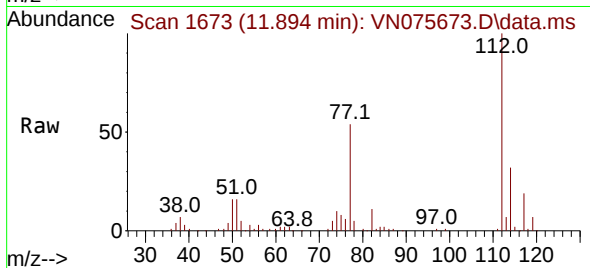
Tgt Ion:164 Resp: 42420
Ion Ratio Lower Upper
164 100
166 132.0 100.3 150.5
129 96.3 73.9 110.9
131 91.3 68.8 103.2





#65
Chlorobenzene
Concen: 19.979 ug/l
RT: 11.894 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

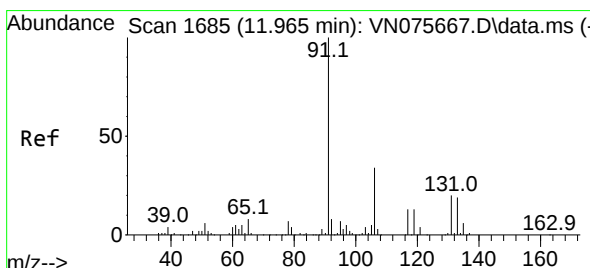
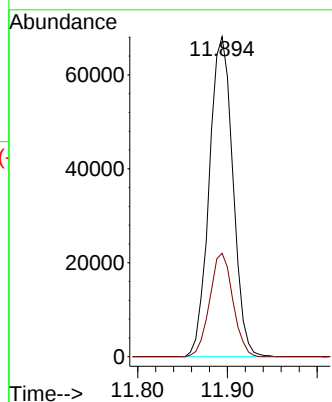
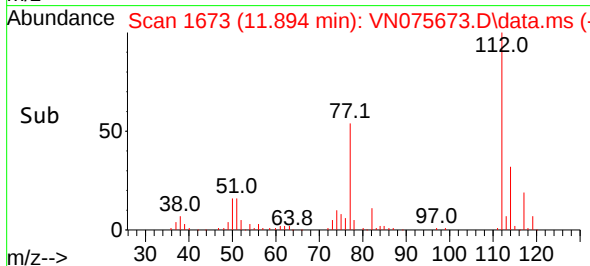
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



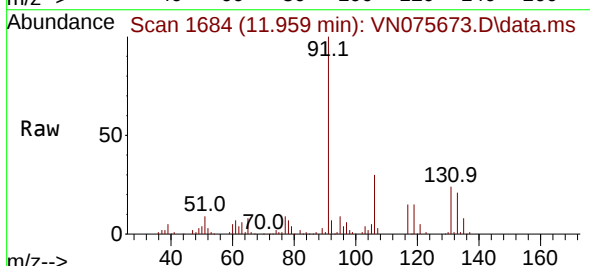
Tgt Ion:112 Resp: 124758
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3

Manual Integrations
APPROVED

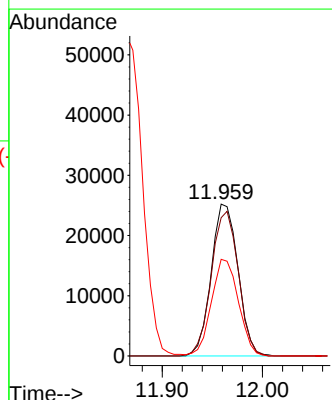
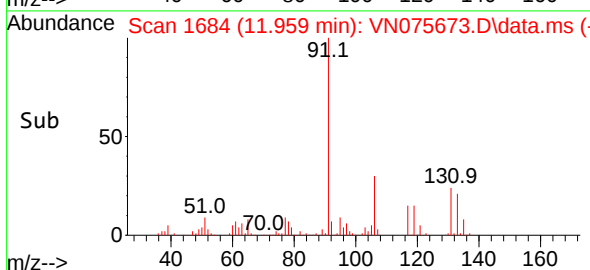
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

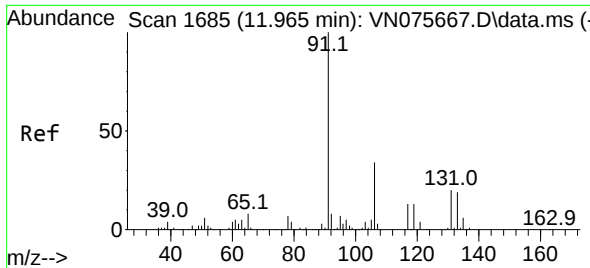


#66
1,1,1,2-Tetrachloroethane
Concen: 20.621 ug/l
RT: 11.959 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



Tgt Ion:131 Resp: 46850
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.6
119 64.1 32.5 97.4





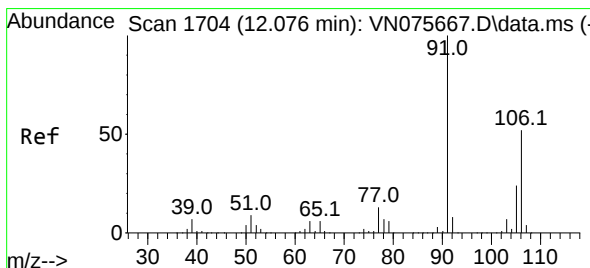
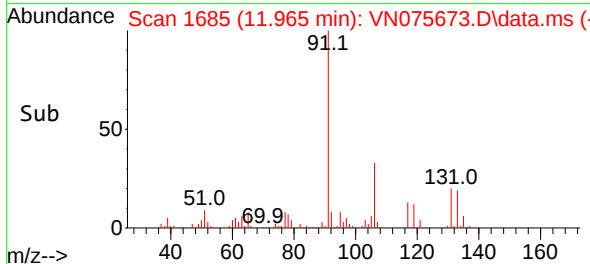
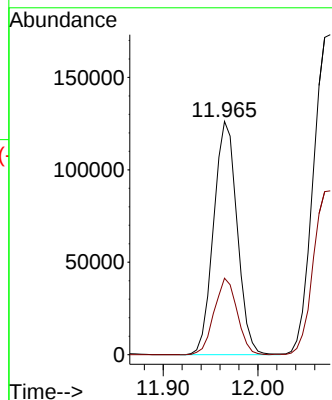
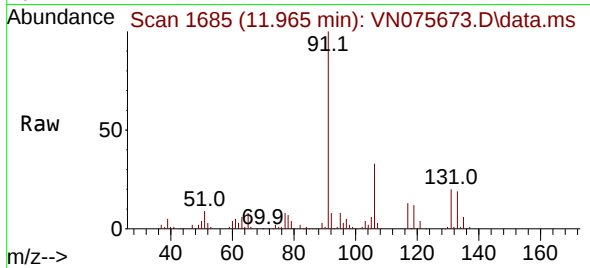
#67
Ethyl Benzene
Concen: 20.642 ug/l
RT: 11.965 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 91 Resp: 21806
Ion Ratio Lower Upper
91 100
106 32.8 26.9 40.3

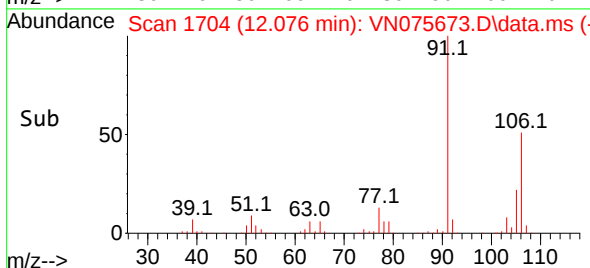
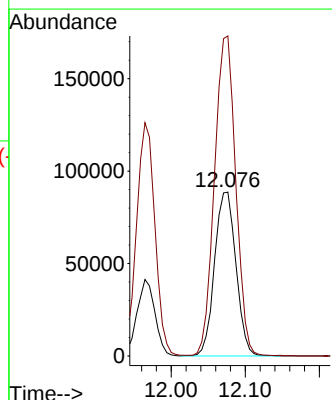
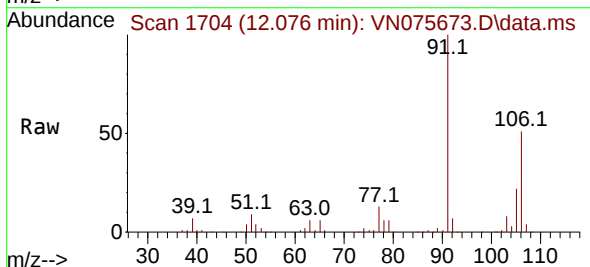
Manual Integrations
APPROVED

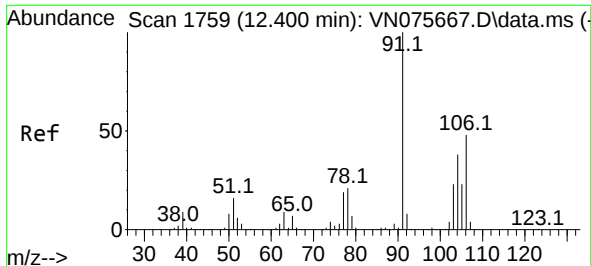
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#68
m/p-Xylenes
Concen: 41.604 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Tgt Ion:106 Resp: 177588
Ion Ratio Lower Upper
106 100
91 194.6 156.2 234.4





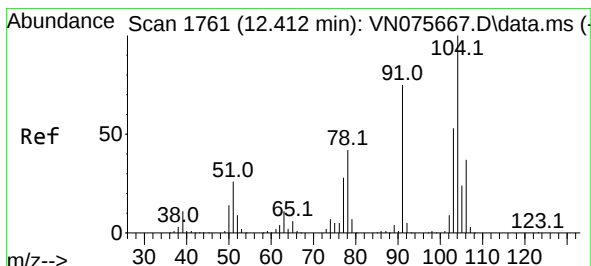
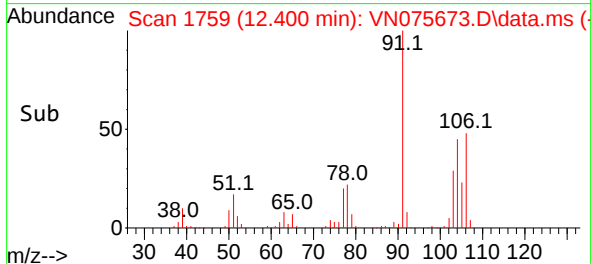
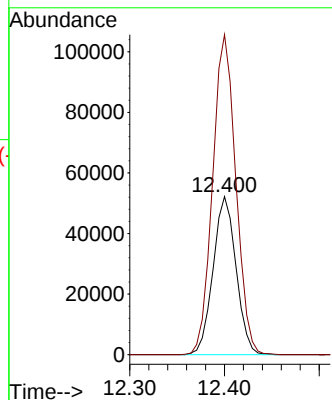
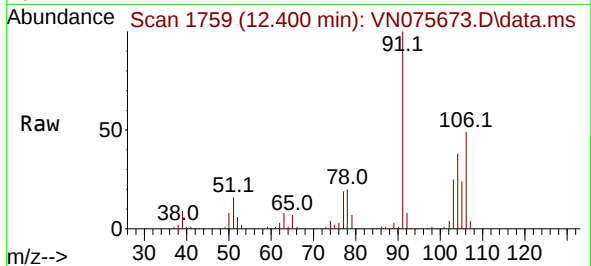
#69
o-Xylene
Concen: 21.228 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:106 Resp: 8793
Ion Ratio Lower Upper
106 100
91 204.4 102.8 308.5

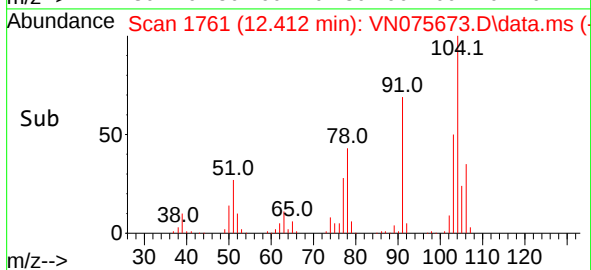
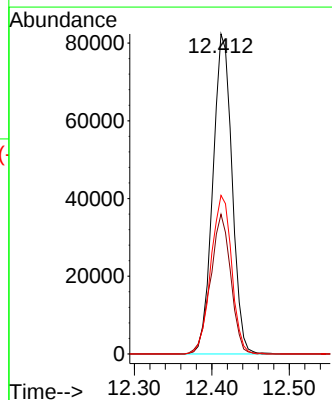
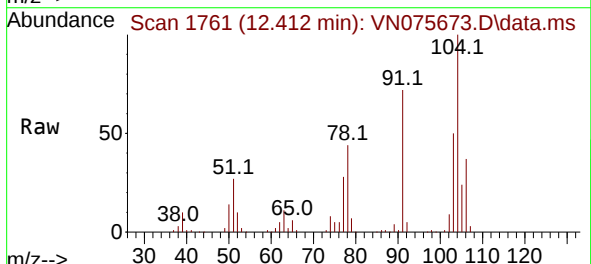
Manual Integrations
APPROVED

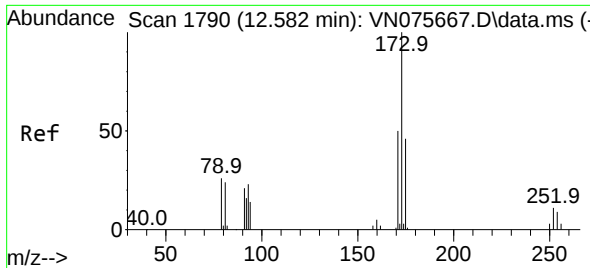
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#70
Styrene
Concen: 21.317 ug/l
RT: 12.412 min Scan# 1761
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

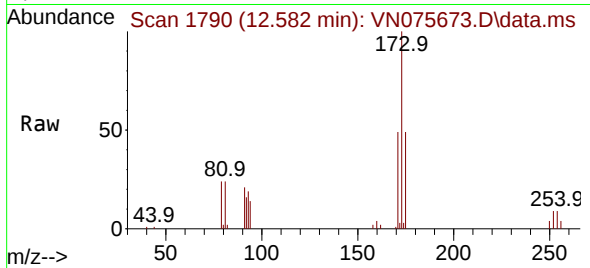
Tgt Ion:104 Resp: 141619
Ion Ratio Lower Upper
104 100
78 46.0 36.7 55.1
103 53.4 44.0 66.0





#71
Bromoform
Concen: 20.954 ug/l
RT: 12.582 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

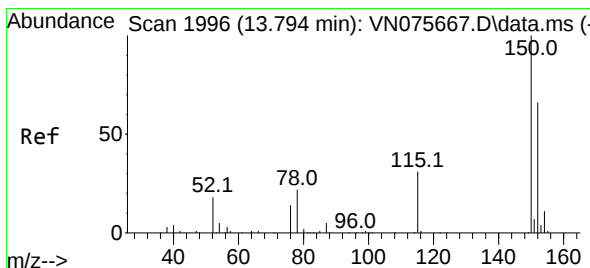
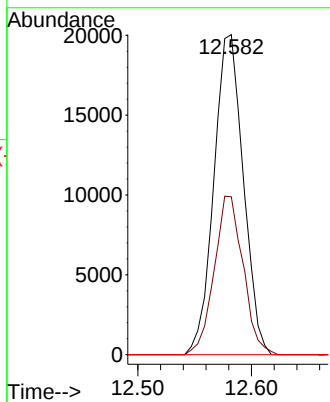
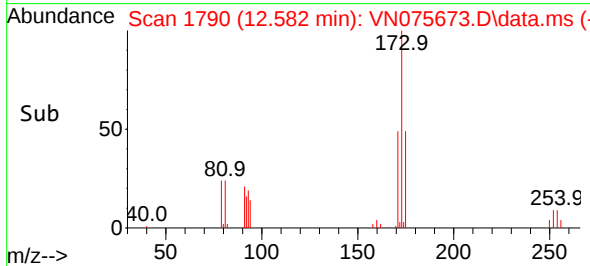
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



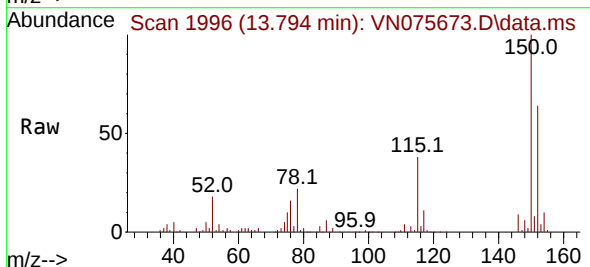
Tgt Ion:173 Resp: 3608
Ion Ratio Lower Upper
173 100
175 48.7 23.8 71.2
254 0.0 0.0 0.0

Manual Integrations
APPROVED

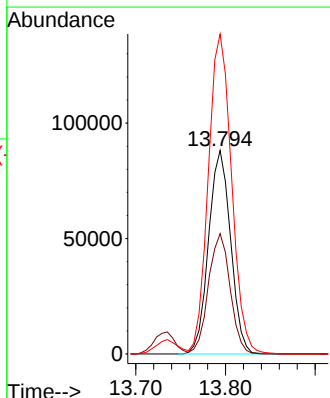
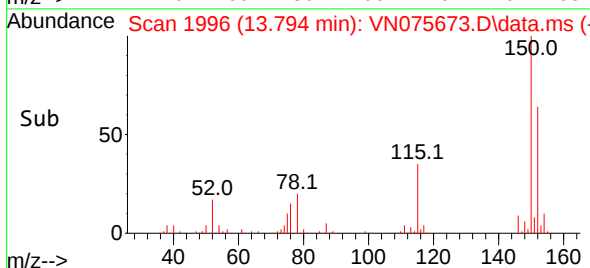
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

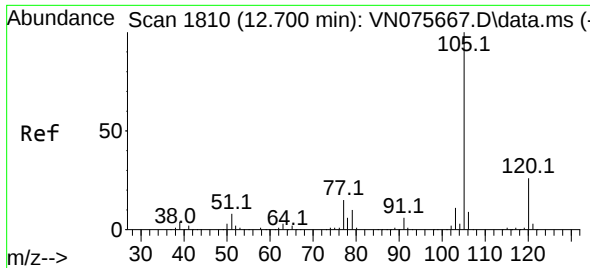


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



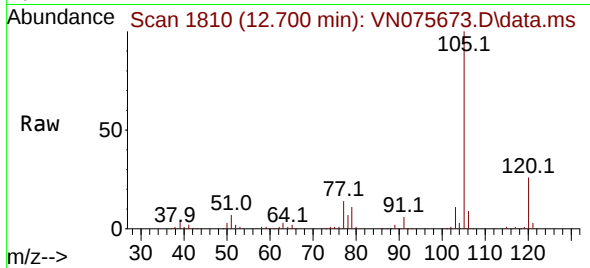
Tgt Ion:152 Resp: 150442
Ion Ratio Lower Upper
152 100
115 58.0 28.4 85.2
150 166.0 0.0 347.6





#73
Isopropylbenzene
Concen: 20.956 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

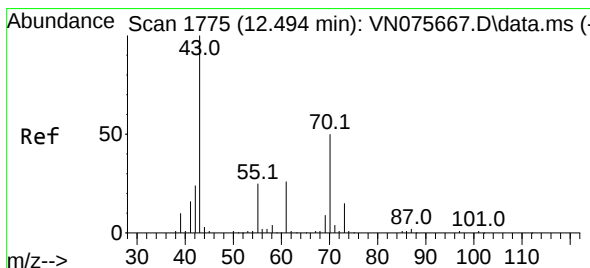
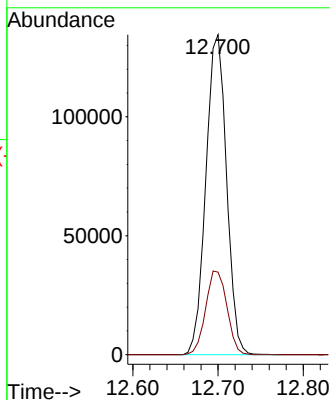
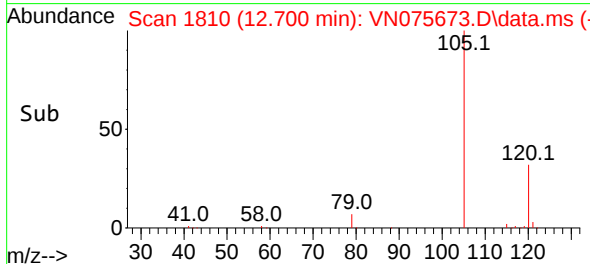
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



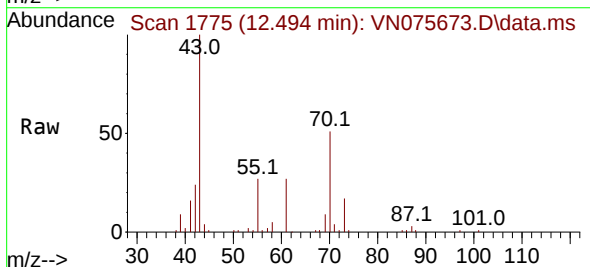
Tgt Ion:105 Resp: 22636
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2

Manual Integrations
APPROVED

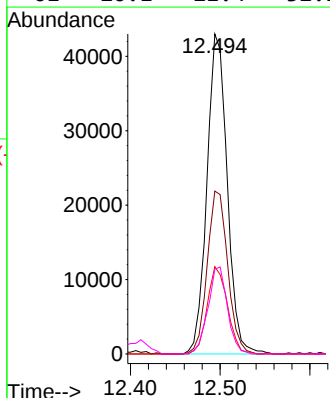
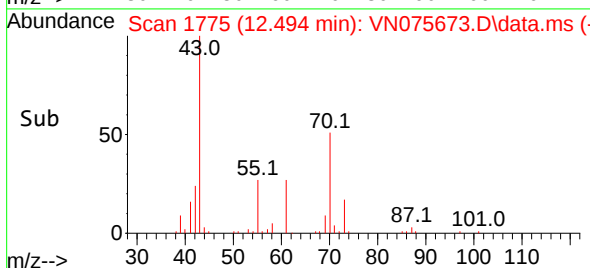
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

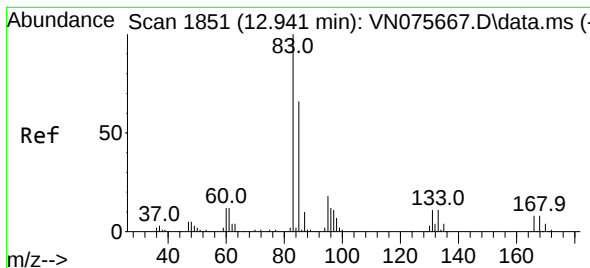


#74
N-ethyl acetate
Concen: 21.514 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



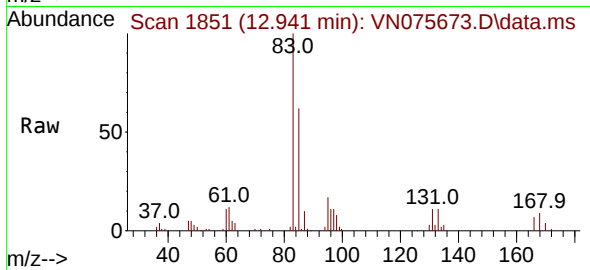
Tgt Ion: 43 Resp: 67524
Ion Ratio Lower Upper
43 100
70 51.5 41.0 61.6
55 27.2 20.7 31.1
61 26.1 21.4 32.2





#75
1,1,2,2-Tetrachloroethane
Concen: 20.205 ug/l
RT: 12.941 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

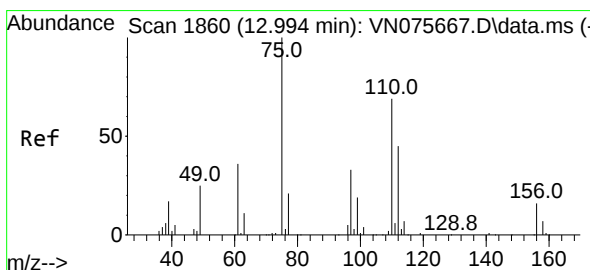
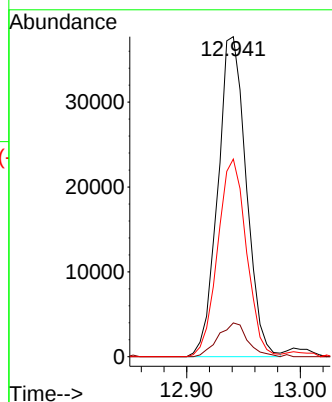
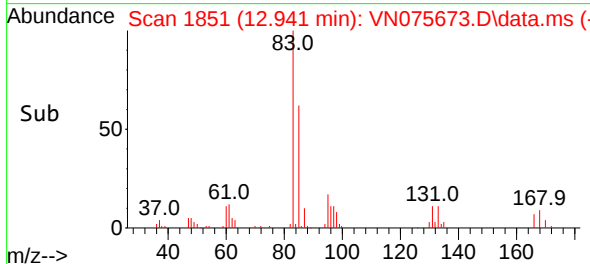
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



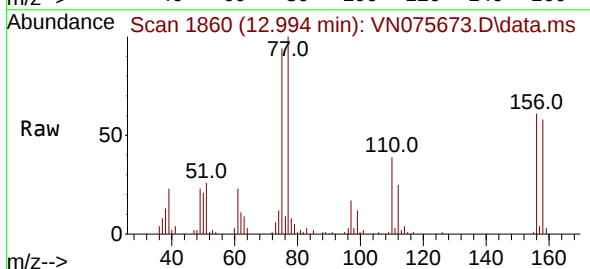
Tgt Ion: 83 Resp: 6556
Ion Ratio Lower Upper
83 100
131 10.9 5.6 16.8
85 62.6 32.6 97.7

Manual Integrations
APPROVED

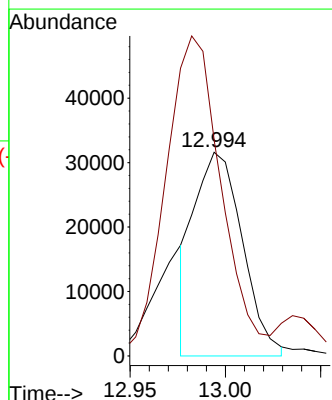
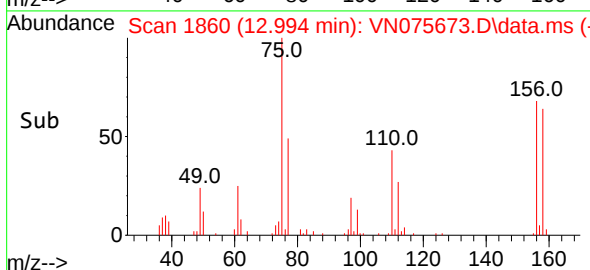
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

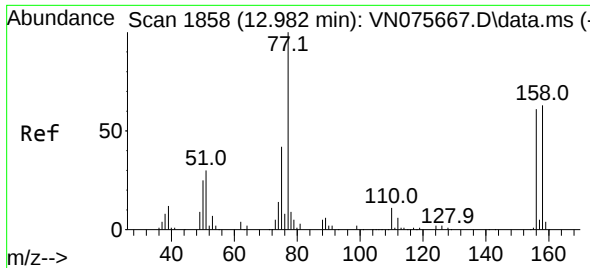


#76
1,2,3-Trichloropropane
Concen: 18.387 ug/l m
RT: 12.994 min Scan# 1860
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



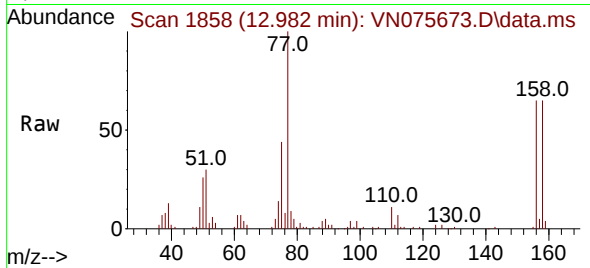
Tgt Ion: 75 Resp: 55551
Ion Ratio Lower Upper
75 100
77 182.1 81.8 245.4





#77
Bromobenzene
Concen: 20.680 ug/l
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

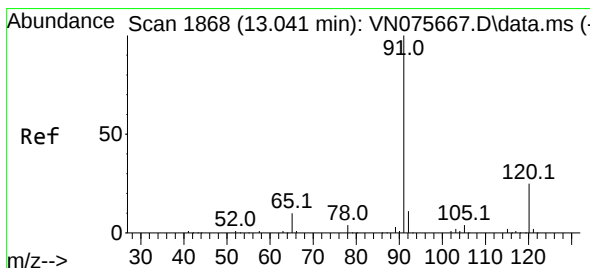
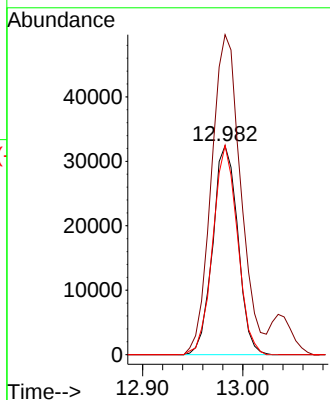
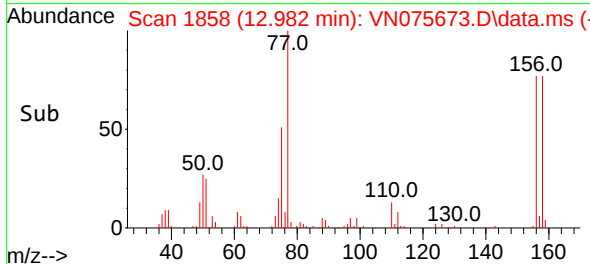
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



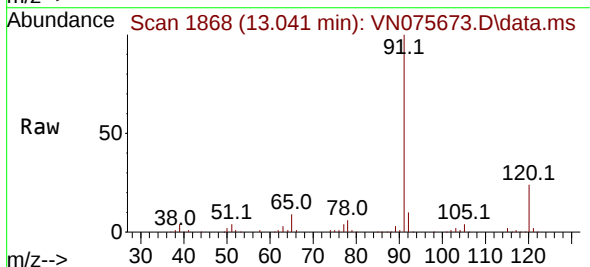
Tgt Ion:156 Resp: 56170
Ion Ratio Lower Upper
156 100
77 180.0 90.8 272.5
158 98.6 49.3 147.8

Manual Integrations
APPROVED

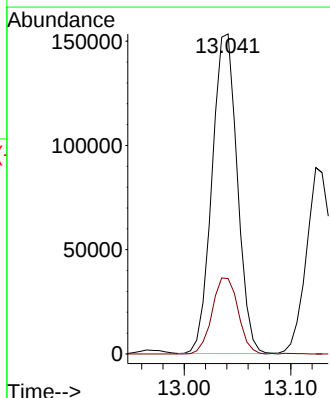
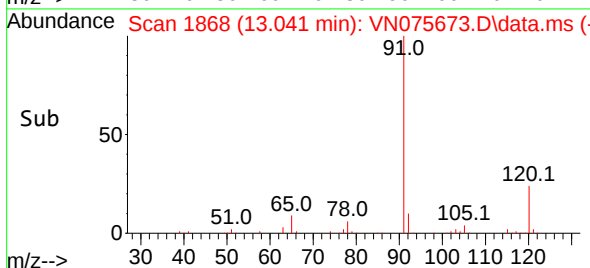
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

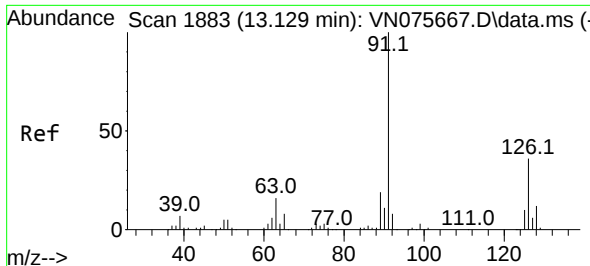


#78
n-propylbenzene
Concen: 21.050 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



Tgt Ion: 91 Resp: 252321
Ion Ratio Lower Upper
91 100
120 24.5 12.1 36.3





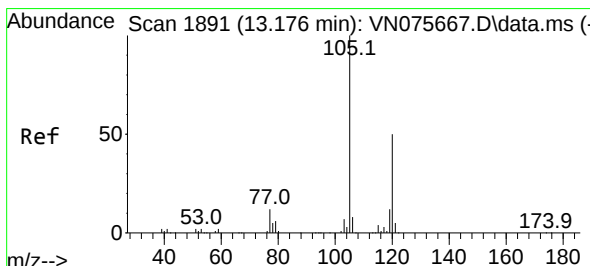
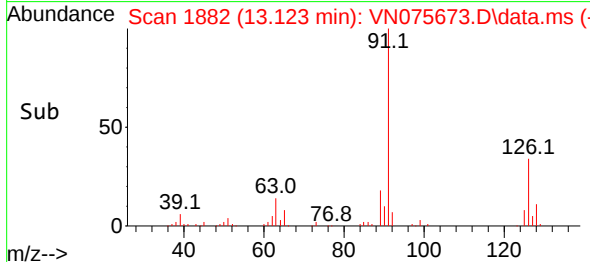
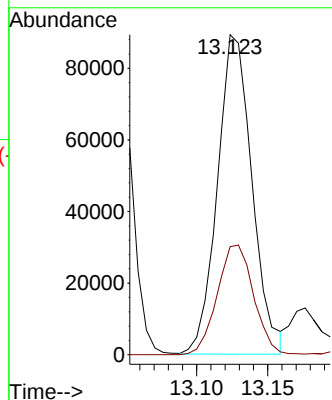
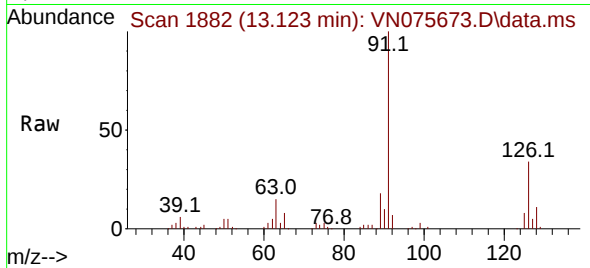
#79
2-Chlorotoluene
Concen: 20.464 ug/l
RT: 13.123 min Scan# 1882
Delta R.T. -0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 91 Resp: 151438
Ion Ratio Lower Upper
91 100
126 36.0 17.8 53.4

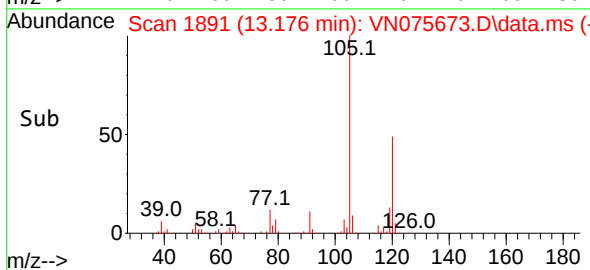
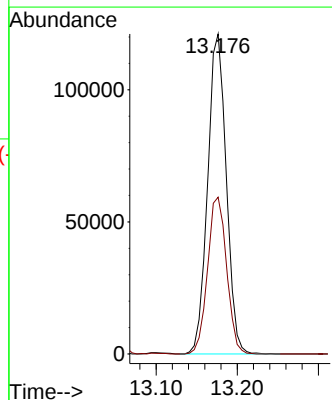
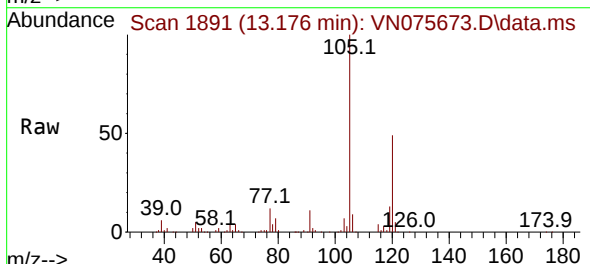
Manual Integrations
APPROVED

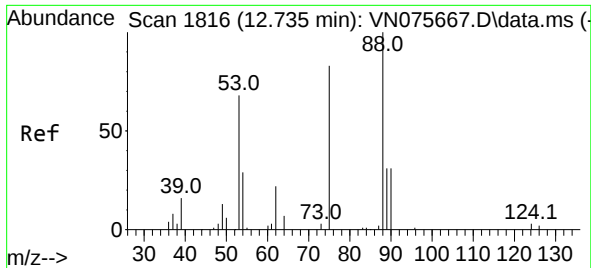
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#80
1,3,5-Trimethylbenzene
Concen: 21.340 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

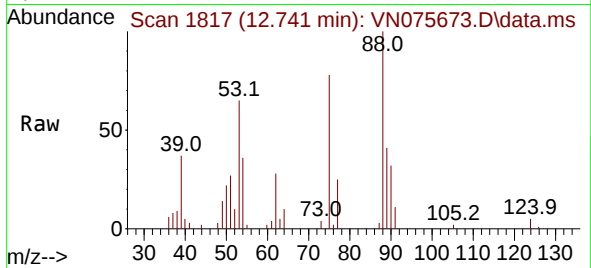
Tgt Ion:105 Resp: 192726
Ion Ratio Lower Upper
105 100
120 50.1 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 19.090 ug/l
RT: 12.741 min Scan# 1816
Delta R.T. 0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

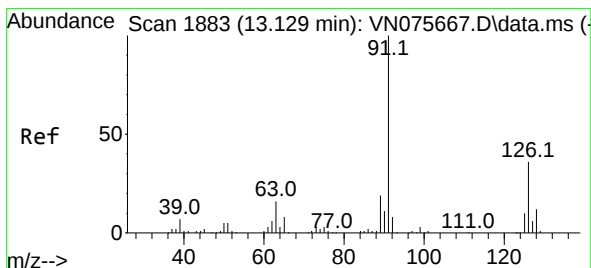
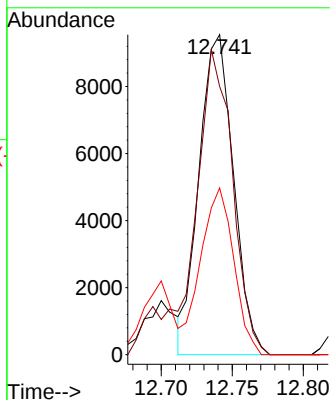
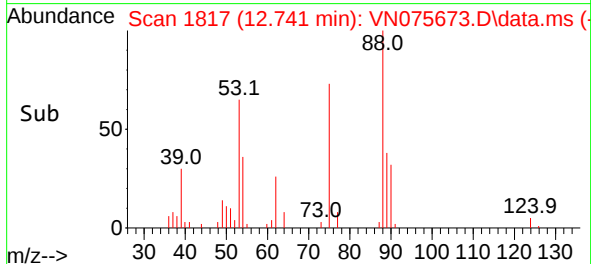
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



Tgt Ion: 75 Resp: 16075
Ion Ratio Lower Upper
75 100
53 95.1 72.4 108.6
89 50.5 36.6 55.0

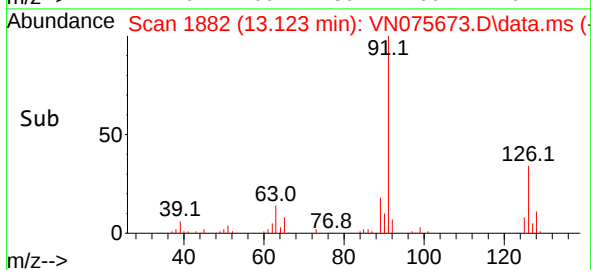
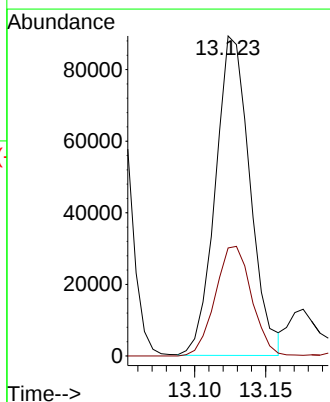
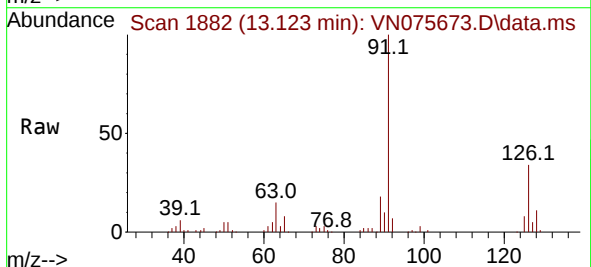
Manual Integrations
APPROVED

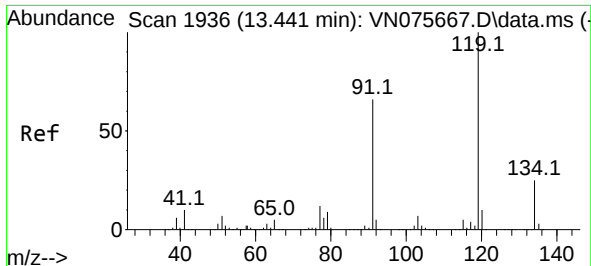
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#82
4-Chlorotoluene
Concen: 20.464 ug/l
RT: 13.123 min Scan# 1882
Delta R.T. -0.006 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

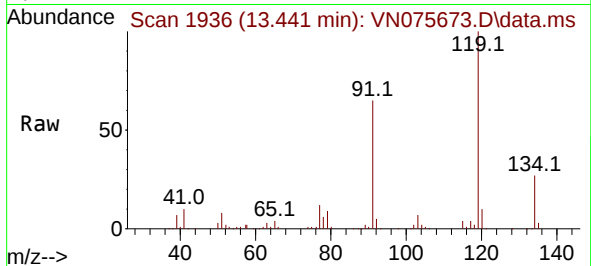
Tgt Ion: 91 Resp: 151438
Ion Ratio Lower Upper
91 100
126 36.0 17.8 53.4





#83
tert-Butylbenzene
Concen: 21.158 ug/l
RT: 13.441 min Scan# 1936
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

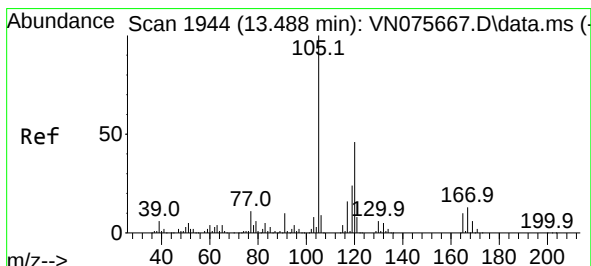
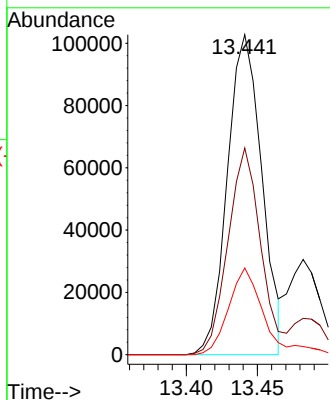
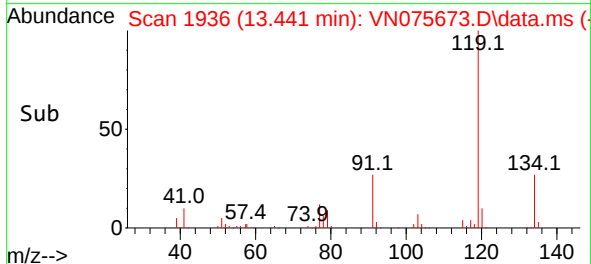
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



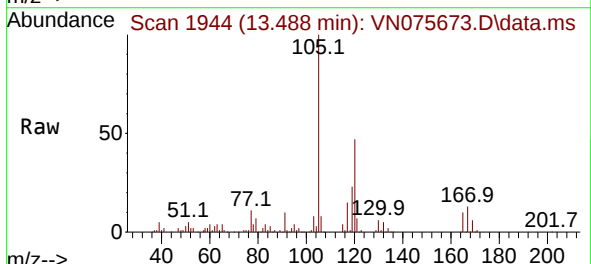
Tgt Ion:119 Resp: 173280
Ion Ratio Lower Upper
119 100
91 62.0 31.9 95.9
134 27.8 13.9 41.7

Manual Integrations
APPROVED

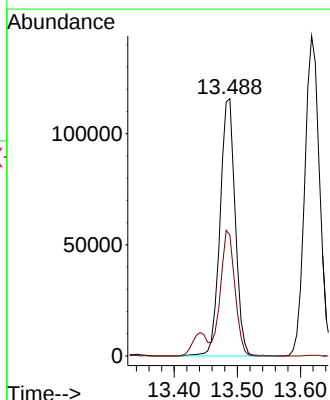
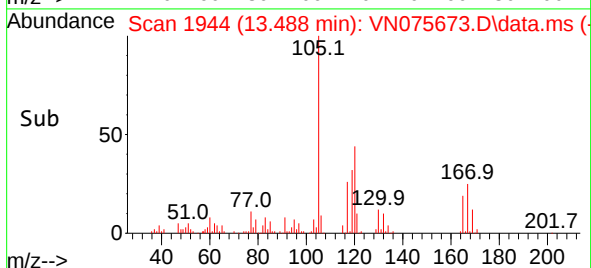
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

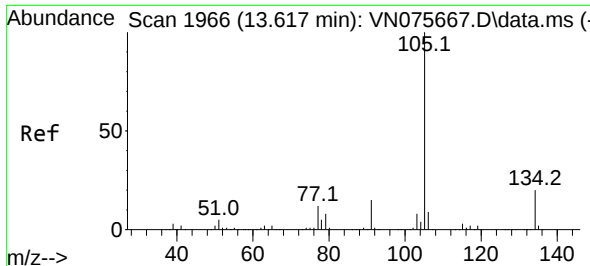


#84
1,2,4-Trimethylbenzene
Concen: 21.291 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



Tgt Ion:105 Resp: 193256
Ion Ratio Lower Upper
105 100
120 46.1 23.1 69.2





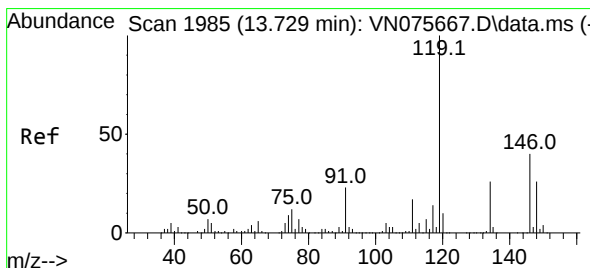
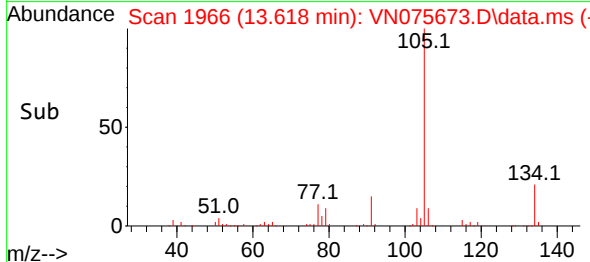
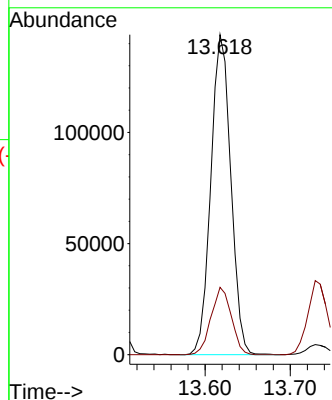
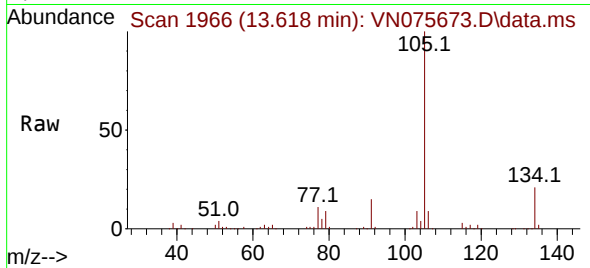
#85
 sec-Butylbenzene
 Concen: 20.814 ug/l
 RT: 13.618 min Scan# 1966
 Delta R.T. 0.000 min
 Lab File: VN075673.D
 Acq: 09 Dec 2022 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

Tgt Ion:105 Resp: 234339
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.2 30.6

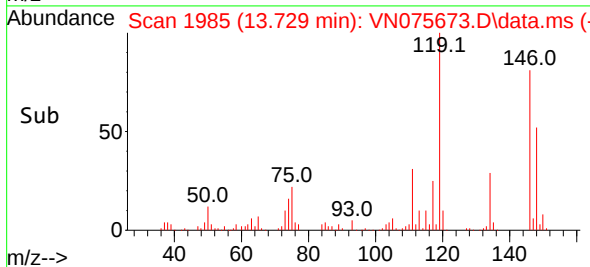
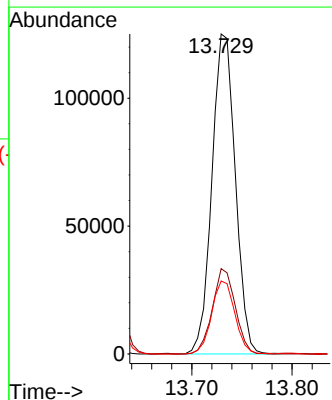
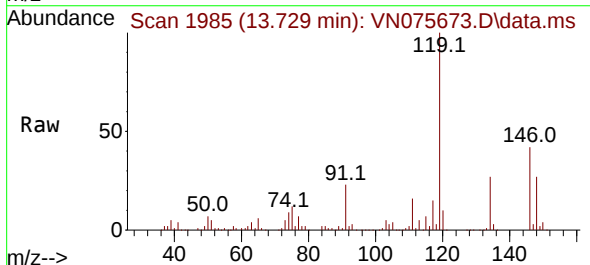
Manual Integrations
 APPROVED

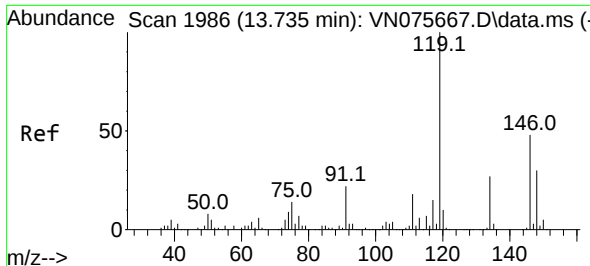
Reviewed By :John Carlone 12/12/2022
 Supervised By :Mahesh Dadoda 12/12/2022



#86
 p-Isopropyltoluene
 Concen: 21.546 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. 0.000 min
 Lab File: VN075673.D
 Acq: 09 Dec 2022 17:43

Tgt Ion:119 Resp: 202977
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.3 39.9
 91 22.6 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 21.090 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion:146 Resp: 10714

Ion Ratio Lower Upper

146 100

111 37.6 19.8 59.3

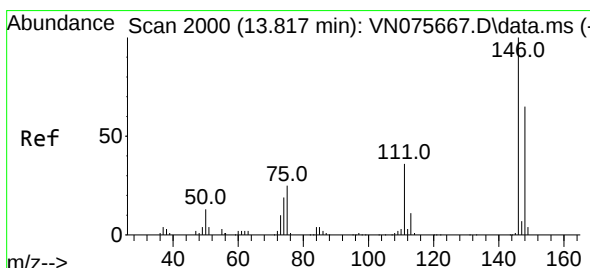
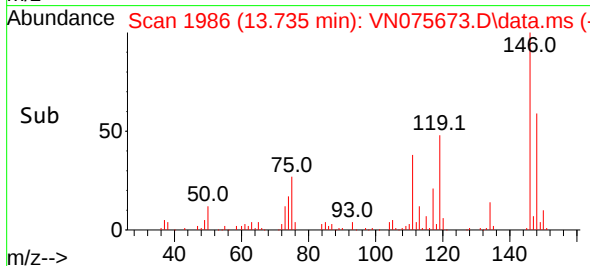
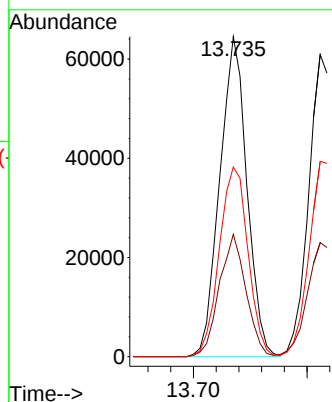
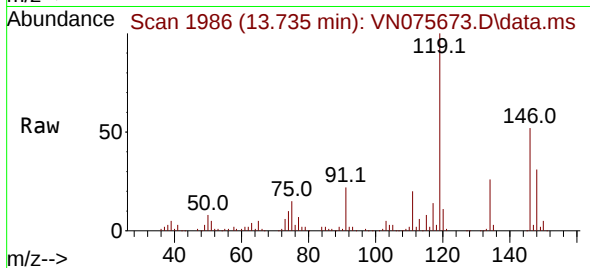
148 62.7 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#88

1,4-Dichlorobenzene

Concen: 20.174 ug/l

RT: 13.812 min Scan# 1999

Delta R.T. -0.006 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

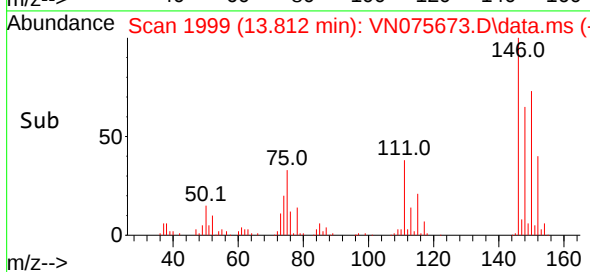
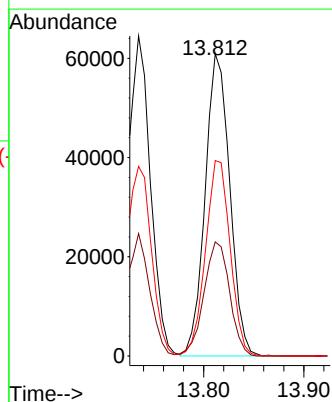
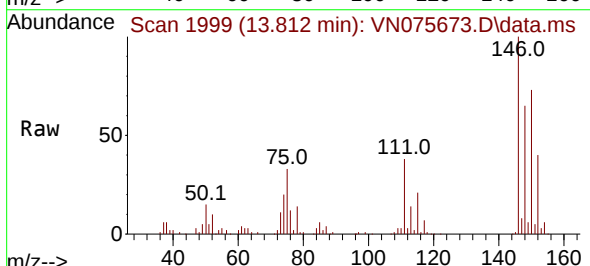
Tgt Ion:146 Resp: 104246

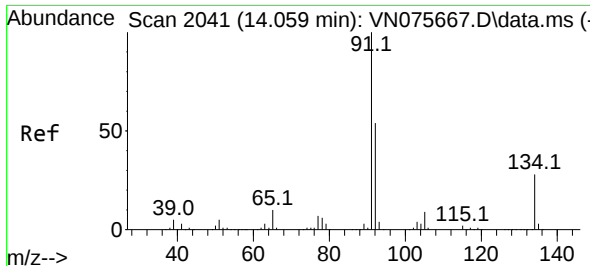
Ion Ratio Lower Upper

146 100

111 39.4 19.1 57.1

148 64.7 32.1 96.3





#89

n-Butylbenzene

Concen: 21.108 ug/l

RT: 14.059 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 91 Resp: 159370

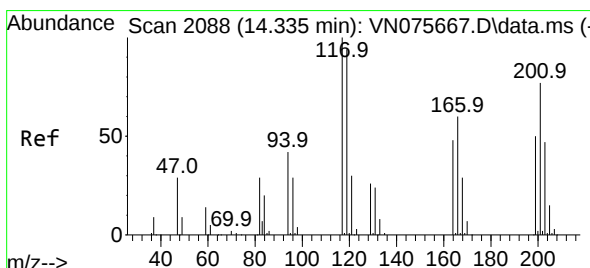
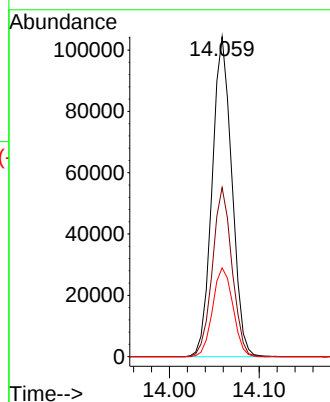
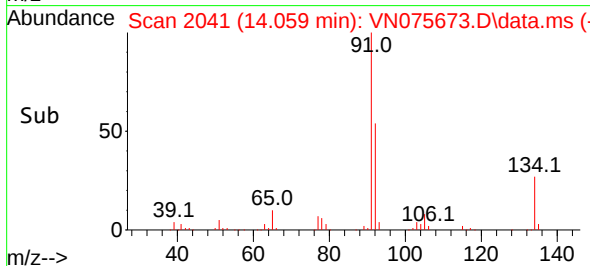
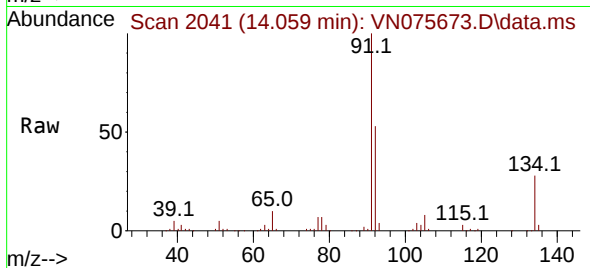
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.7	80.1
134	28.5	13.9	41.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#90

Hexachloroethane

Concen: 20.596 ug/l

RT: 14.335 min Scan# 2088

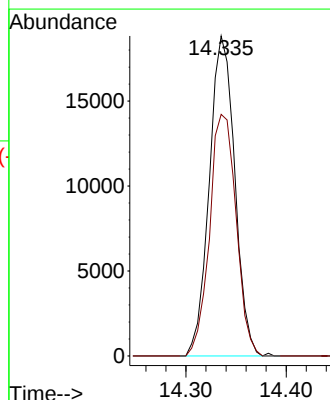
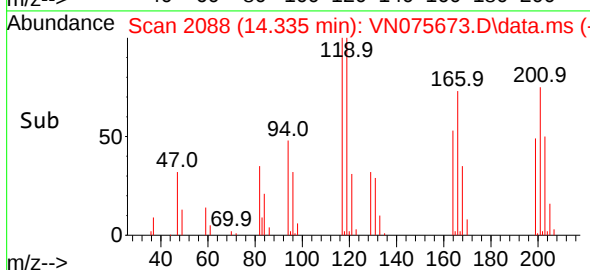
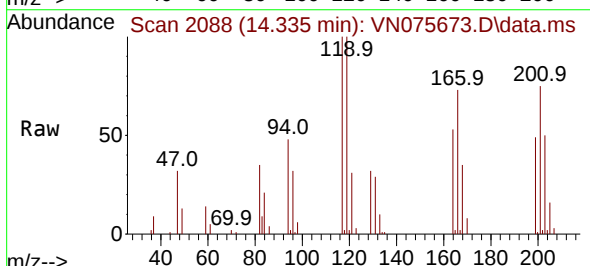
Delta R.T. 0.000 min

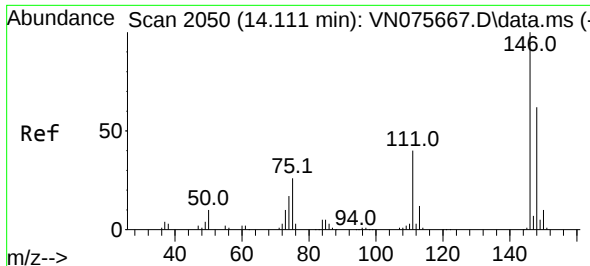
Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

Tgt Ion:117 Resp: 33235

Ion	Ratio	Lower	Upper
117	100		
201	78.6	39.2	117.6





#91

1,2-Dichlorobenzene

Concen: 20.400 ug/l

RT: 14.106 min Scan# 2050

Delta R.T. -0.006 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion:146 Resp: 10312

Ion Ratio Lower Upper

146 100

111 37.9 20.1 60.3

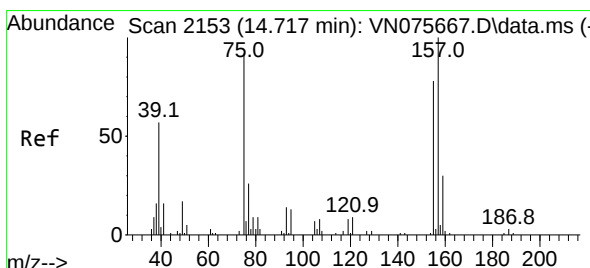
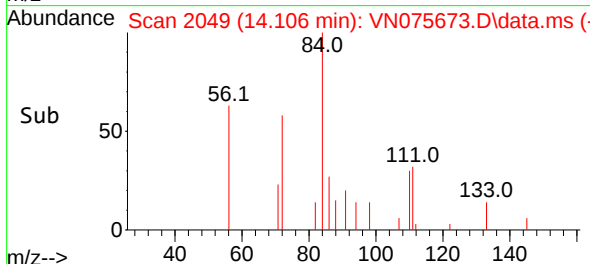
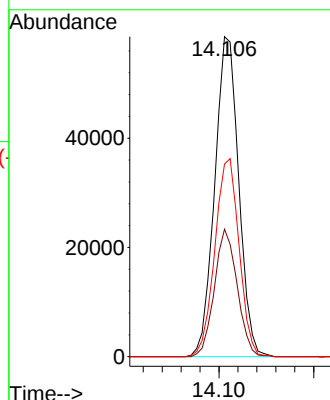
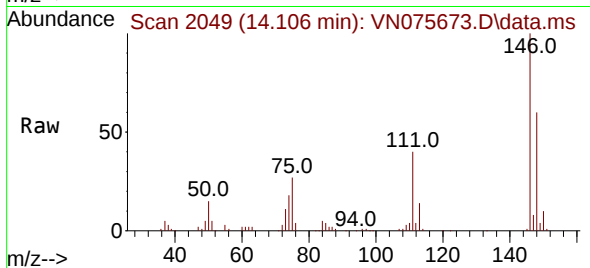
148 62.5 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.844 ug/l

RT: 14.723 min Scan# 2154

Delta R.T. 0.006 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

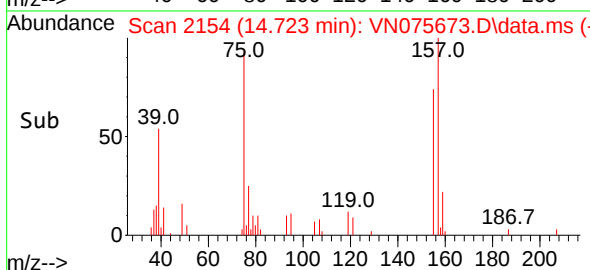
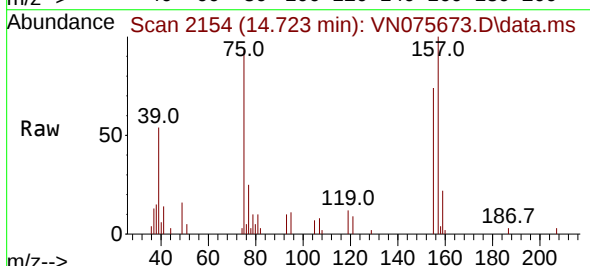
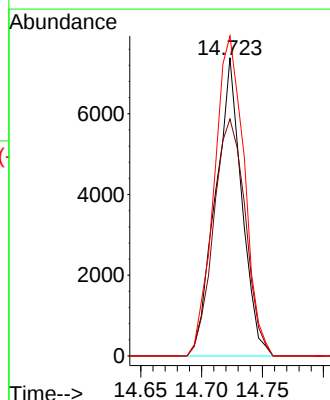
Tgt Ion: 75 Resp: 11114

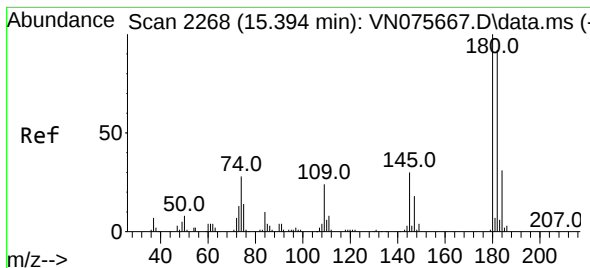
Ion Ratio Lower Upper

75 100

155 95.6 48.4 145.2

157 122.5 63.5 190.6





#93

1,2,4-Trichlorobenzene

Concen: 20.980 ug/l

RT: 15.394 min Scan# 2268

Delta R.T. 0.000 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

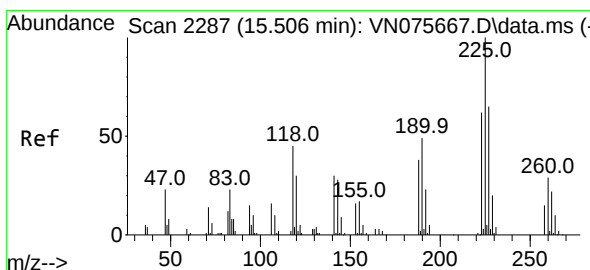
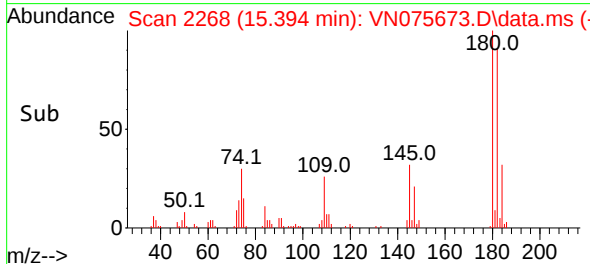
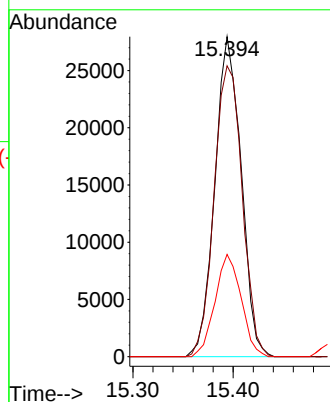
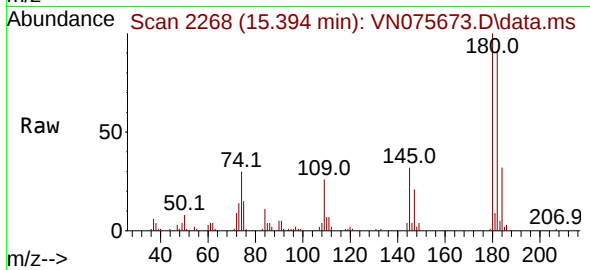
Tgt Ion:	180	Resp:	50919
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.1	141.3
145	31.7	15.2	45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#94

Hexachlorobutadiene

Concen: 20.302 ug/l

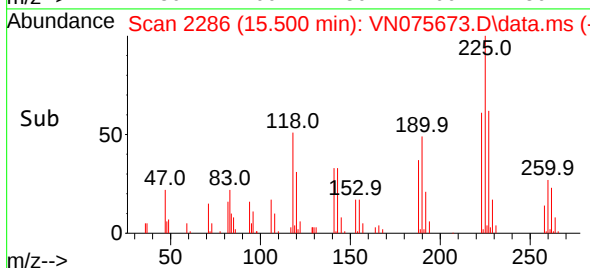
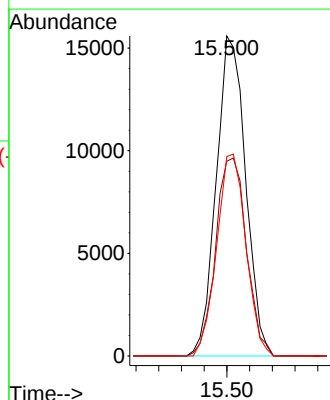
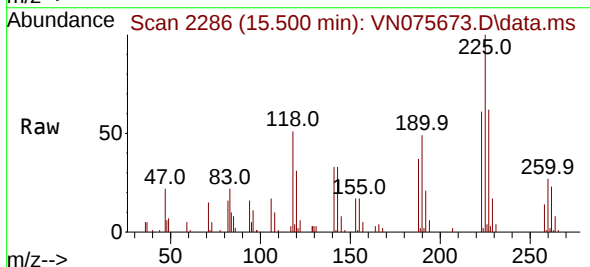
RT: 15.500 min Scan# 2286

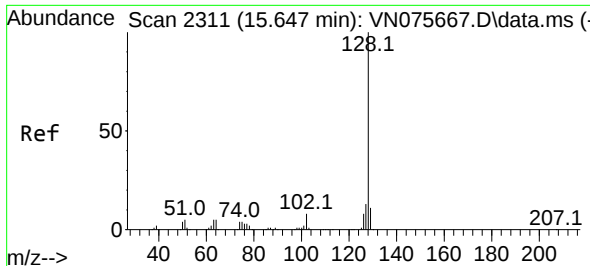
Delta R.T. -0.006 min

Lab File: VN075673.D

Acq: 09 Dec 2022 17:43

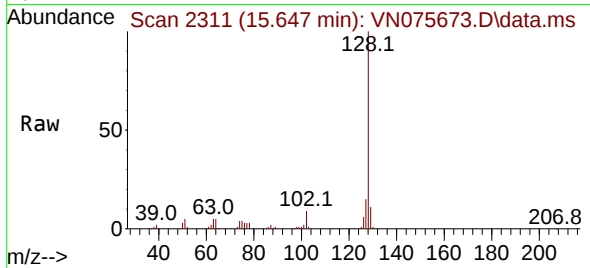
Tgt Ion:	225	Resp:	27957
Ion Ratio	Lower	Upper	
225	100		
223	65.0	31.4	94.2
227	62.7	31.3	93.9





#95
Naphthalene
Concen: 21.296 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43

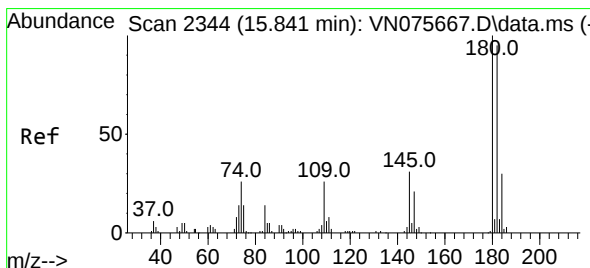
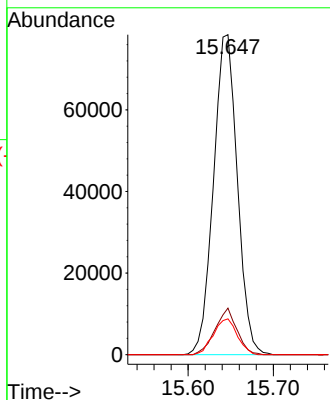
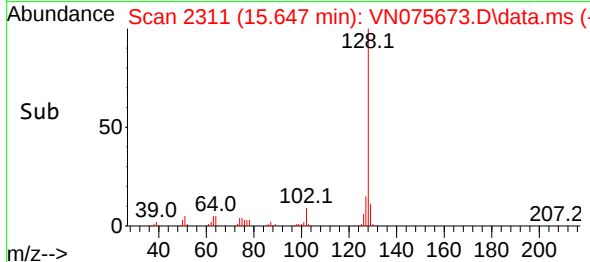
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



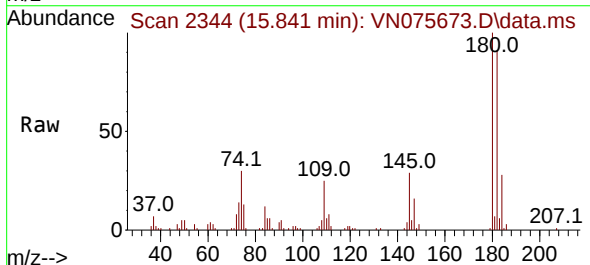
Tgt Ion:128 Resp: 152759
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.2 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#96
1,2,3-Trichlorobenzene
Concen: 21.029 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. 0.000 min
Lab File: VN075673.D
Acq: 09 Dec 2022 17:43



Tgt Ion:180 Resp: 50150
Ion Ratio Lower Upper
180 100
182 94.7 46.8 140.4
145 32.6 15.6 46.8

