

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077197.D
 Acq On : 27 Mar 2023 11:08
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Mar 28 06:40:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 24 05:55:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.825	128	39670	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.101	114	282690	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	315053	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	128506	31.897	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.333%			
60) 4-Bromofluorobenzene	12.848	95	170675	30.155	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.533%			
63) Toluene-d8	10.572	98	338717	30.118	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	67830	25.968	ug/l	99
3) Chloromethane	2.372	50	98490	23.694	ug/l	95
4) Vinyl Chloride	2.525	62	113598	19.382	ug/l	95
5) Bromomethane	2.972	94	91060	22.159	ug/l	89
6) Chloroethane	3.131	64	115640	23.668	ug/l	95
7) Trichlorofluoromethane	3.513	101	162372	19.246	ug/l	99
8) Diethyl Ether	3.972	74	61319	20.714	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.384	101	89266	20.234	ug/l	98
10) 1,1-Dichloroethene	4.354	96	80313	19.456	ug/l	96
11) Methyl Iodide	4.601	142	95441	21.710	ug/l	98
12) Methyl Acetate	5.037	43	174585	19.614	ug/l	98
13) Acrolein	4.190	56	132317	109.692	ug/l	98
14) Acrylonitrile	5.725	53	257636	95.418	ug/l	99
15) Acetone	4.443	58	75322	106.688	ug/l	99
16) Carbon Disulfide	4.725	76	223076	19.135	ug/l #	94
17) Allyl chloride	5.037	41	135814	18.707	ug/l	89
18) Methylene Chloride	5.290	84	101936	20.093	ug/l	94
19) trans-1,2-Dichloroethene	5.790	96	89149	20.159	ug/l	91
20) Diisopropyl ether	6.678	45	349743	21.266	ug/l	96
21) 1,1-Dichloroethane	6.578	63	191125	20.642	ug/l	98
22) cis-1,2-Dichloroethene	7.489	96	108601	20.799	ug/l	99
23) tert-Butyl Alcohol	5.519	59	37714	41.150	ug/l #	100
24) Methyl tert-Butyl Ether	5.807	73	302882	20.667	ug/l	99
25) Chloroform	7.972	83	188958	20.857	ug/l	98
26) Cyclohexane	8.260	56	151238	19.366	ug/l #	95
29) 1,1-Dichloropropene	8.378	75	129377	18.866	ug/l	98
30) 2-Butanone	7.489	43	371214	93.832	ug/l	97
31) 2,2-Dichloropropane	7.495	77	142764	22.223	ug/l #	65
32) 1,1,1-Trichloroethane	8.178	97	159356	19.273	ug/l	97
33) Carbon Tetrachloride	8.372	117	137071	19.733	ug/l	93
34) Benzene	8.613	78	405663	19.298	ug/l	97
35) Methacrylonitrile	7.784	41	75968	17.493	ug/l	98
36) 1,2-Dichloroethane	8.672	62	151743	19.581	ug/l	99
37) Trichloroethene	9.354	130	91327	19.217	ug/l	97
38) Methylcyclohexane	9.601	83	153812	18.842	ug/l	98
39) 1,2-Dichloropropane	9.625	63	106388	18.905	ug/l	98
40) Dibromomethane	9.707	93	70507	19.593	ug/l	95
41) Bromodichloromethane	9.889	83	144648	19.739	ug/l #	97
42) Vinyl Acetate	6.613	43	1138858	96.040	ug/l	99

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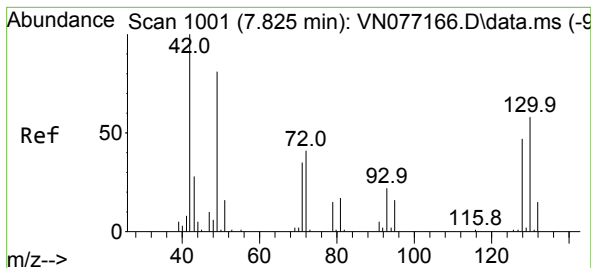
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	146833	18.578	ug/l	97
44) Isopropyl Acetate	8.689	43	233931	18.341	ug/l	97
45) 1,4-Dioxane	9.701	88	39053	376.564	ug/l	99
46) Methyl methacrylate	9.683	41	114996	19.555	ug/l	99
47) n-amyl Acetate	12.495	43	187036	17.430	ug/l	94
48) t-1,3-Dichloropropene	10.836	75	143285	19.250	ug/l	98
49) cis-1,3-Dichloropropene	10.313	75	161456	19.814	ug/l	98
50) 1,1,2-Trichloroethane	11.019	97	100940	19.982	ug/l	94
51) Ethyl methacrylate	10.877	69	143123	18.350	ug/l	95
52) 1,3-Dichloropropane	11.166	76	177903	19.840	ug/l	98
53) Dibromochloromethane	11.360	129	103894	19.864	ug/l	97
54) 1,2-Dibromoethane	11.472	107	98770	19.869	ug/l	100
55) 2-Chloroethyl vinyl ether	10.160	63	267197	81.937	ug/l	100
56) Bromoform	12.577	173	67525	18.398	ug/l	95
58) 4-Methyl-2-Pentanone	10.448	43	746483	91.804	ug/l	98
59) 2-Hexanone	11.195	43	525207	88.586	ug/l	99
61) Tetrachloroethene	11.107	164	79386	20.077	ug/l	94
62) Toluene	10.630	91	429049	19.377	ug/l	100
64) Chlorobenzene	11.895	112	253047	19.316	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.960	131	94017	19.542	ug/l	97
66) Ethyl Benzene	11.966	91	452917	19.036	ug/l	100
67) m/p-Xylenes	12.071	106	354049	38.668	ug/l	97
68) o-Xylene	12.401	106	169485	18.906	ug/l	95
69) Styrene	12.413	104	275792	18.945	ug/l	99
70) Isopropylbenzene	12.701	105	439586	18.910	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.936	83	144790	19.028	ug/l	100
72) 1,2,3-Trichloropropane	12.995	75	174977	25.979	ug/l	72
73) Bromobenzene	12.983	156	103953	20.002	ug/l	98
74) n-propylbenzene	13.036	91	516193	19.180	ug/l	99
75) 2-Chlorotoluene	13.130	91	314381	19.374	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	374109	19.387	ug/l	95
77) t-1,4-Dichloro-2-butene	12.736	75	39514	18.404	ug/l	97
78) 4-Chlorotoluene	13.224	91	293637	18.812	ug/l	97
79) tert-butylbenzene	13.442	119	316418	19.195	ug/l	96
80) 1,2,4-Trimethylbenzene	13.483	105	369528	19.297	ug/l	97
81) sec-Butylbenzene	13.618	105	446488	18.758	ug/l	99
82) p-Isopropyltoluene	13.730	119	361170	18.929	ug/l	98
83) 1,3-Dichlorobenzene	13.736	146	187781	19.514	ug/l	100
84) 1,4-Dichlorobenzene	13.813	146	179467	19.144	ug/l	96
85) n-Butylbenzene	14.060	91	302285	18.743	ug/l	99
86) Hexachloroethane	14.336	117	70099	19.266	ug/l	98
87) 1,2-Dichlorobenzene	14.107	146	188741	19.613	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.718	75	25097	17.189	ug/l	98
89) 1,2,4-Trichlorobenzene	15.395	180	72940	16.991	ug/l	99
90) Hexachlorobutadiene	15.501	225	48502	20.027	ug/l	98
91) Naphthalene	15.642	128	222829	15.818	ug/l	99
92) 1,2,3-Trichlorobenzene	15.848	180	72762	17.069	ug/l	98

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

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.825 min Scan# 10

Delta R.T. -0.000 min

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VSTDCCC020

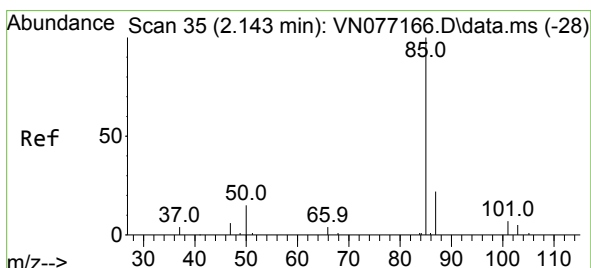
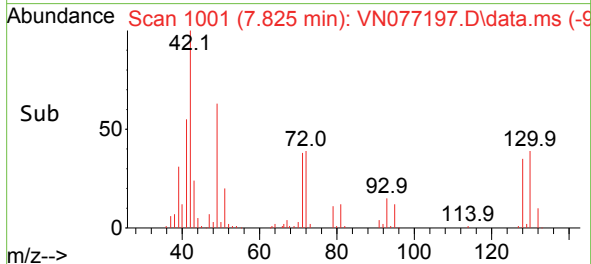
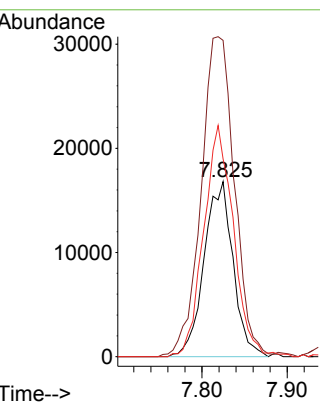
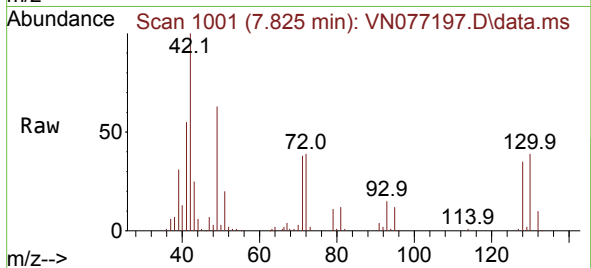
Tgt Ion:128 Resp: 39670

Ion Ratio Lower Upper

128 100

49 210.1 0.0 461.8

130 135.0 0.0 295.3



#2

Dichlorodifluoromethane

Concen: 25.968 ug/l

RT: 2.137 min Scan# 34

Delta R.T. -0.006 min

Lab File: VN077197.D

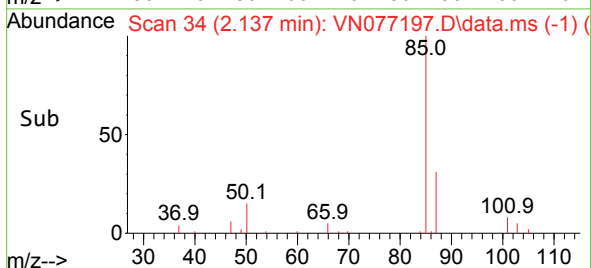
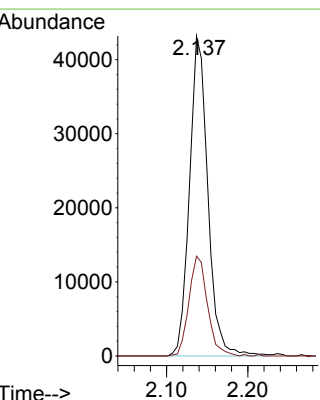
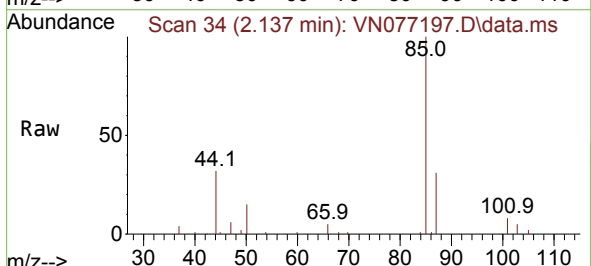
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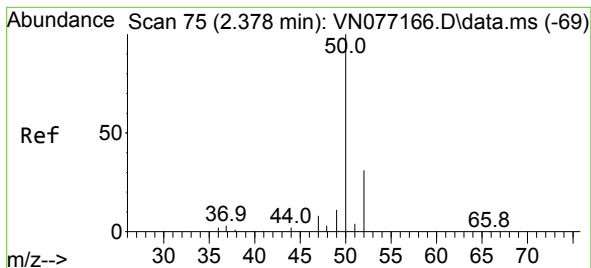
Tgt Ion: 85 Resp: 67830

Ion Ratio Lower Upper

85 100

87 31.2 15.4 46.1





#3

Chloromethane

Concen: 23.694 ug/l

RT: 2.372 min Scan# 74

Delta R.T. -0.006 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

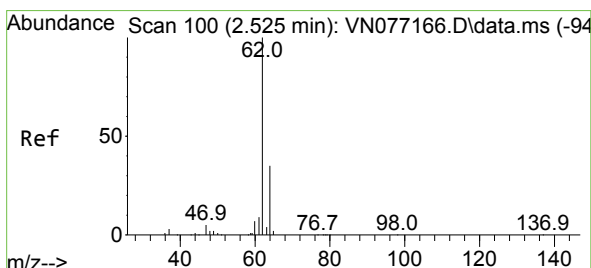
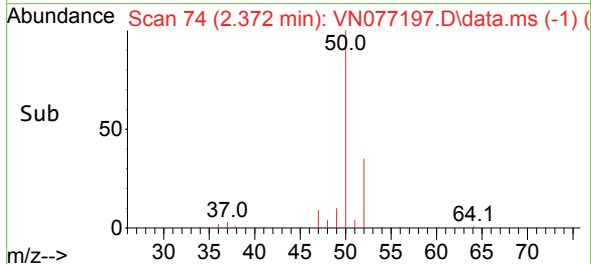
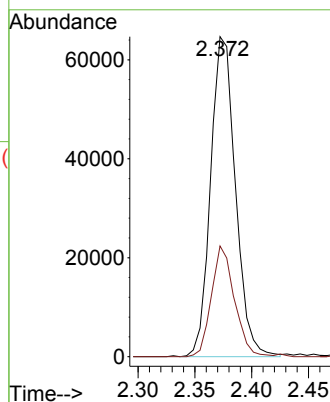
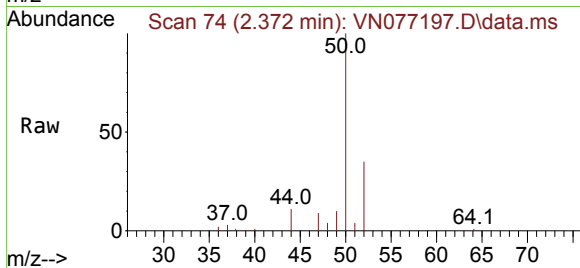
VSTDCCC020

Tgt Ion: 50 Resp: 98490

Ion Ratio Lower Upper

50 100

52 34.6 25.3 37.9



#4

Vinyl Chloride

Concen: 19.382 ug/l

RT: 2.525 min Scan# 100

Delta R.T. 0.000 min

Lab File: VN077197.D

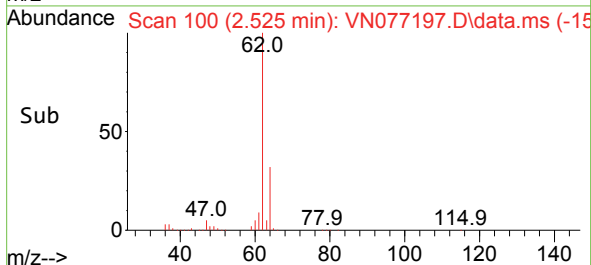
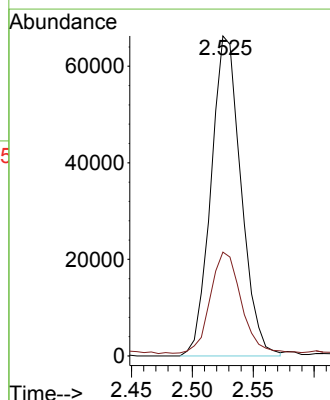
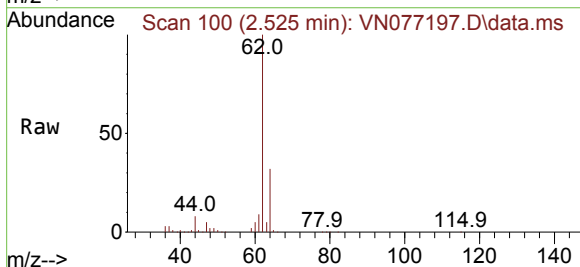
Acq: 27 Mar 2023 11:08

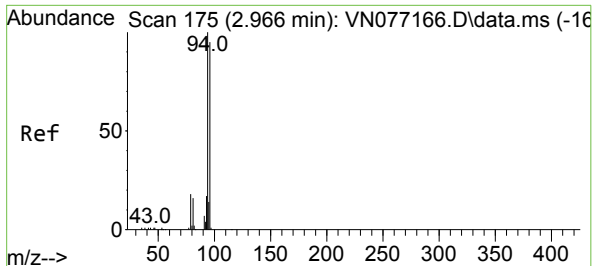
Tgt Ion: 62 Resp: 113598

Ion Ratio Lower Upper

62 100

64 31.5 23.1 34.7

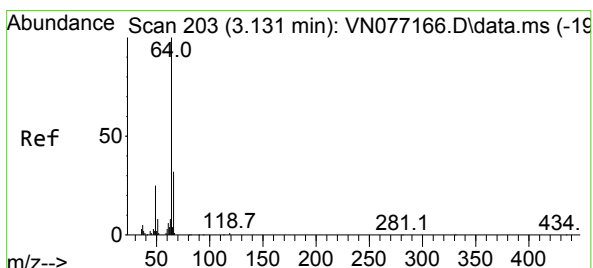
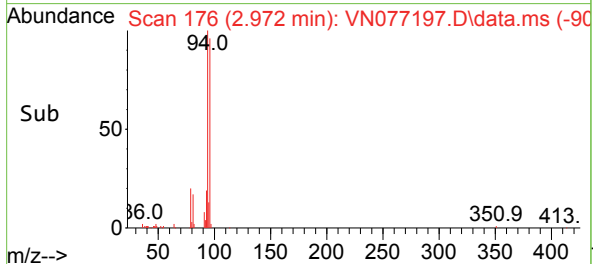
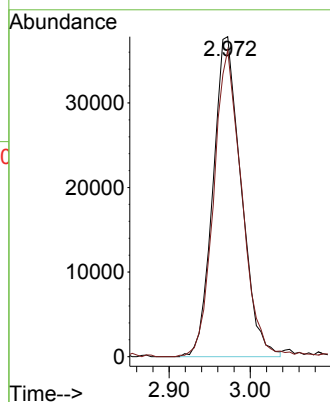
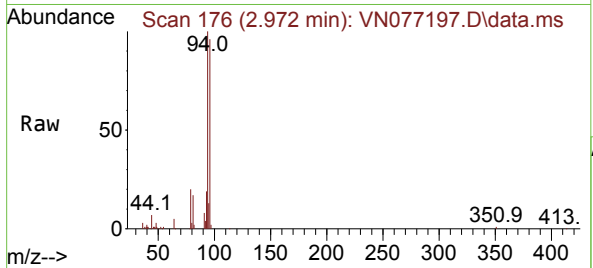




#5
Bromomethane
Concen: 22.159 ug/l
RT: 2.972 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

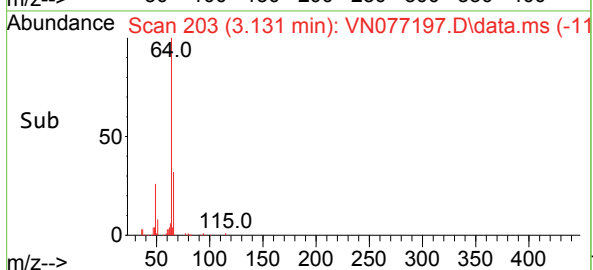
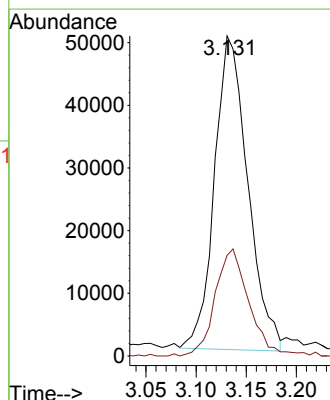
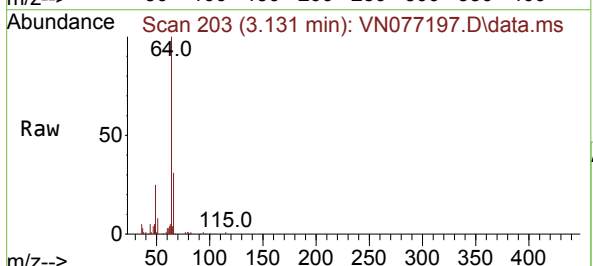
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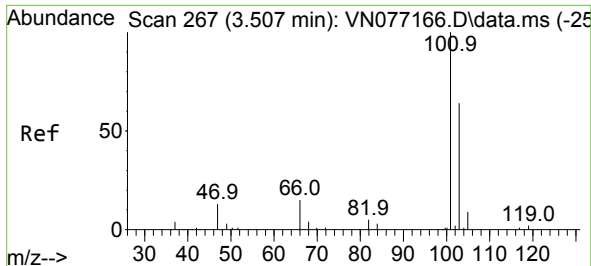
Tgt Ion: 94 Resp: 91060
Ion Ratio Lower Upper
94 100
96 95.4 68.6 103.0



#6
Chloroethane
Concen: 23.668 ug/l
RT: 3.131 min Scan# 203
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 64 Resp: 115640
Ion Ratio Lower Upper
64 100
66 32.3 23.8 35.6

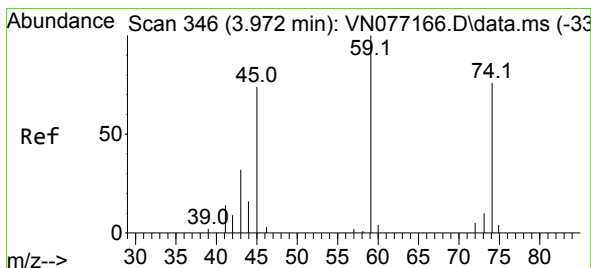
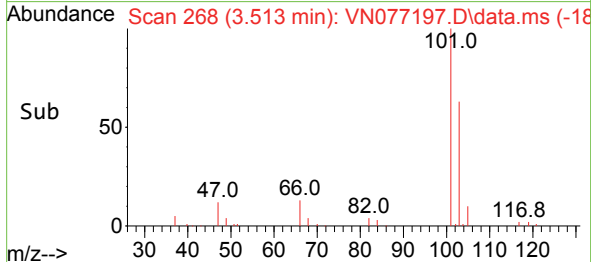
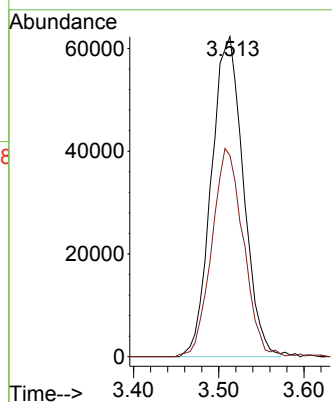
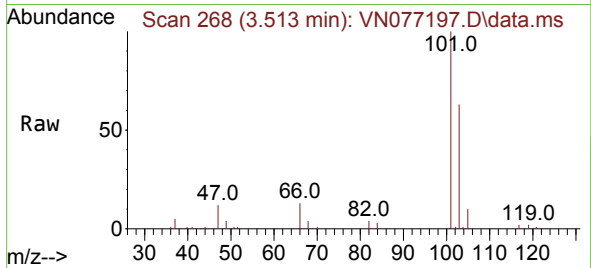




#7
 Trichlorofluoromethane
 Concen: 19.246 ug/l
 RT: 3.513 min Scan# 268
 Delta R.T. 0.006 min
 Lab File: VN077197.D
 Acq: 27 Mar 2023 11:08

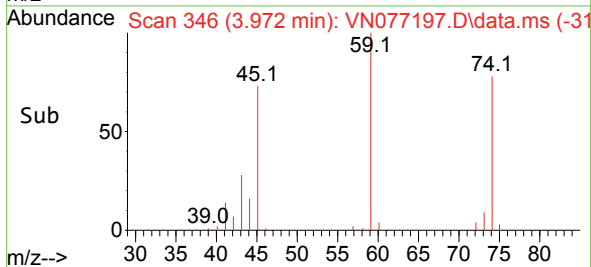
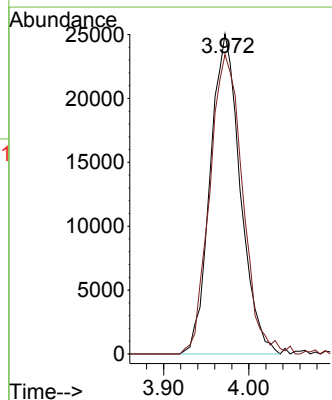
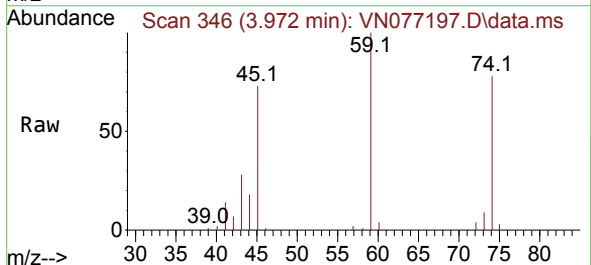
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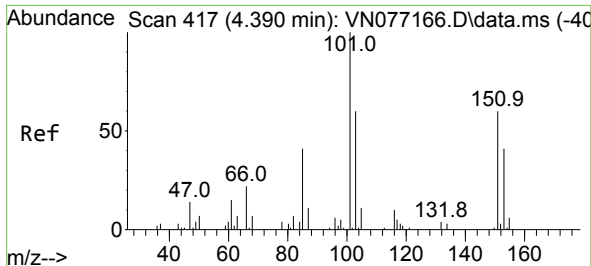
Tgt Ion:101 Resp: 162372
 Ion Ratio Lower Upper
 101 100
 103 62.1 50.2 75.2



#8
 Diethyl Ether
 Concen: 20.714 ug/l
 RT: 3.972 min Scan# 346
 Delta R.T. 0.000 min
 Lab File: VN077197.D
 Acq: 27 Mar 2023 11:08

Tgt Ion: 74 Resp: 61319
 Ion Ratio Lower Upper
 74 100
 45 102.2 21.4 193.0

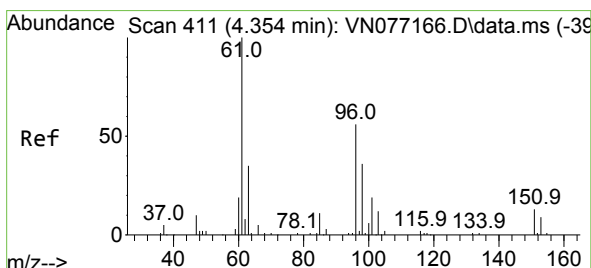
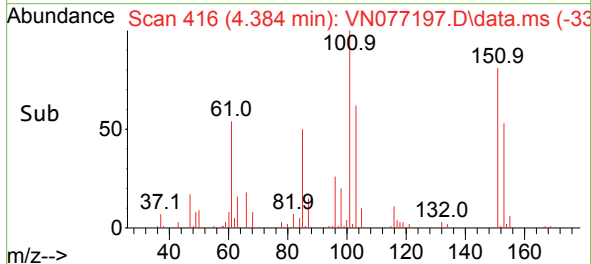
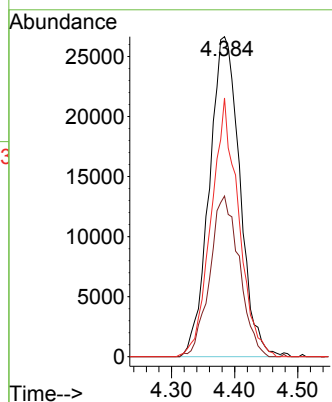
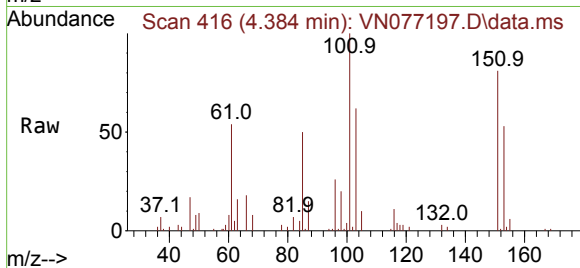




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.234 ug/l
RT: 4.384 min Scan# 417
Delta R.T. -0.006 min
Lab File: VN077197.D
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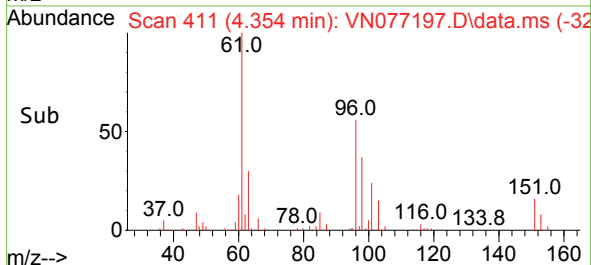
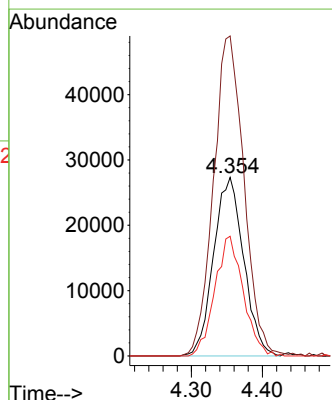
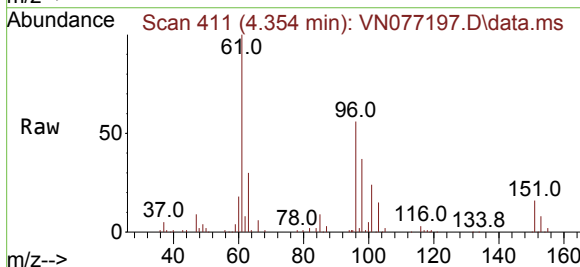
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

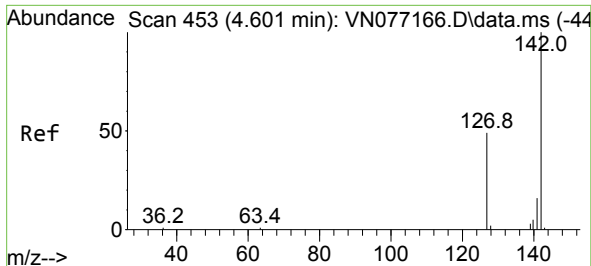
Tgt Ion:101 Resp: 89266
Ion Ratio Lower Upper
101 100
85 48.6 0.0 95.2
151 72.8 0.0 142.2



#10
1,1-Dichloroethene
Concen: 19.456 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077197.D
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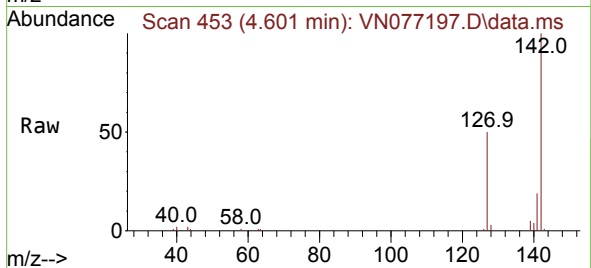
Tgt Ion: 96 Resp: 80313
Ion Ratio Lower Upper
96 100
61 179.2 137.1 205.7
98 67.0 53.2 79.8



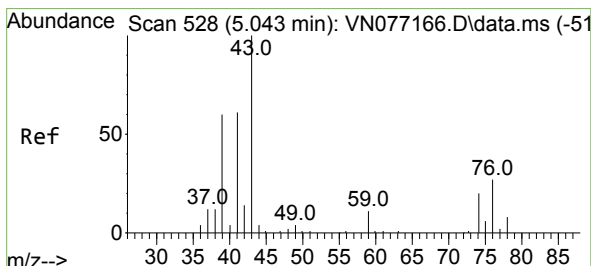
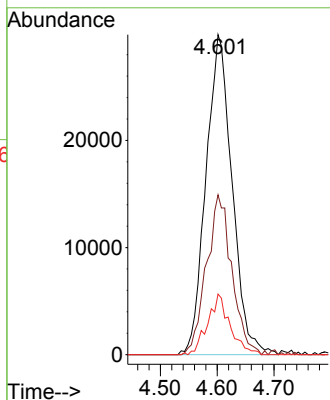
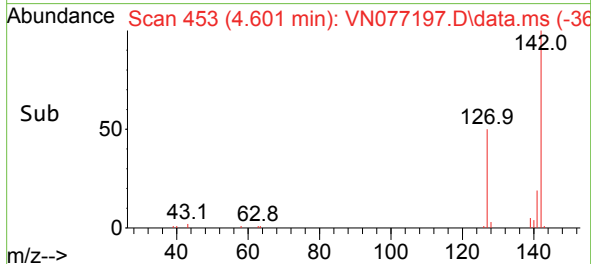


#11
Methyl Iodide
Concen: 21.710 ug/l
RT: 4.601 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

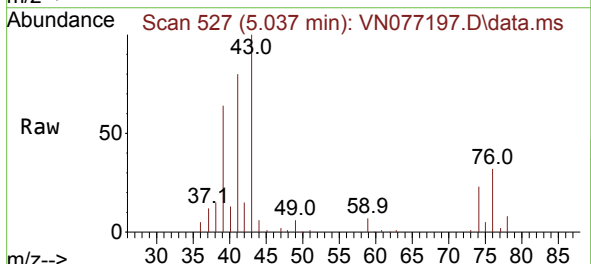
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



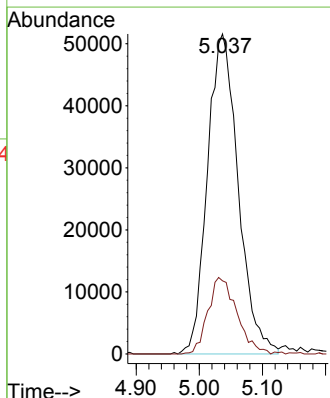
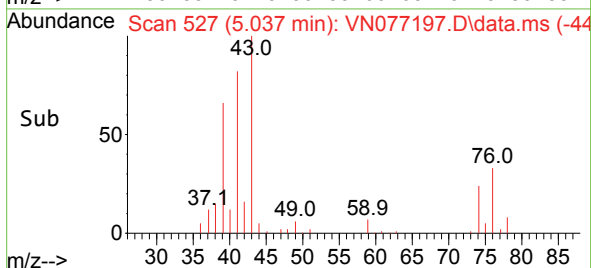
Tgt Ion:142 Resp: 95441
Ion Ratio Lower Upper
142 100
127 50.0 25.0 75.0
141 18.9 8.0 24.0

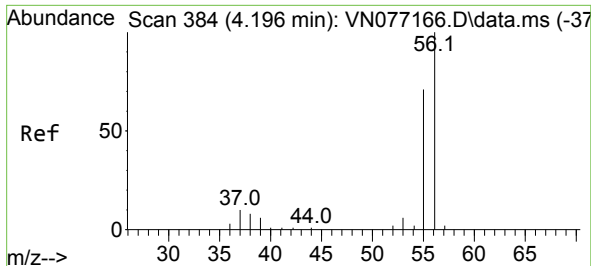


#12
Methyl Acetate
Concen: 19.614 ug/l
RT: 5.037 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08



Tgt Ion: 43 Resp: 174585
Ion Ratio Lower Upper
43 100
74 22.8 19.0 28.4

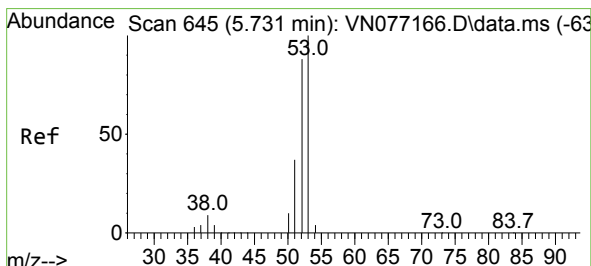
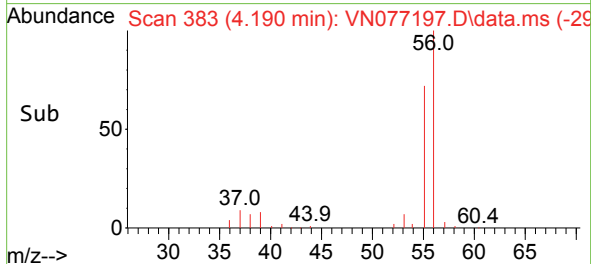
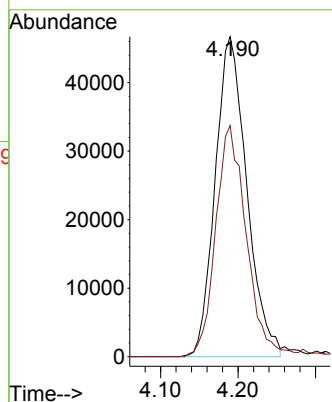
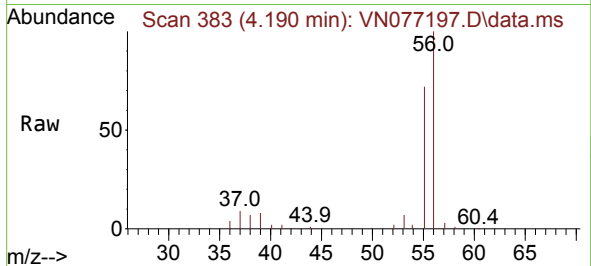




#13
Acrolein
Concen: 109.692 ug/l
RT: 4.190 min Scan# 384
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

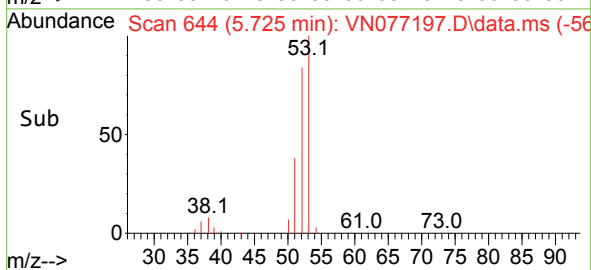
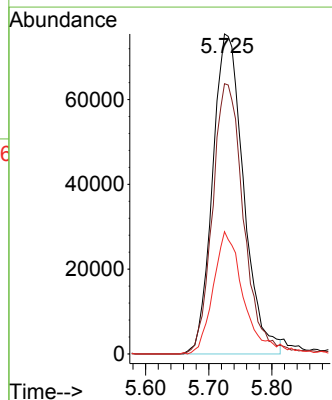
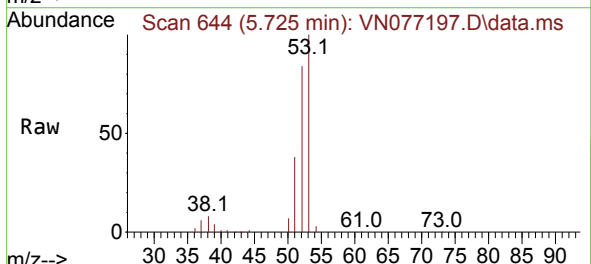
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

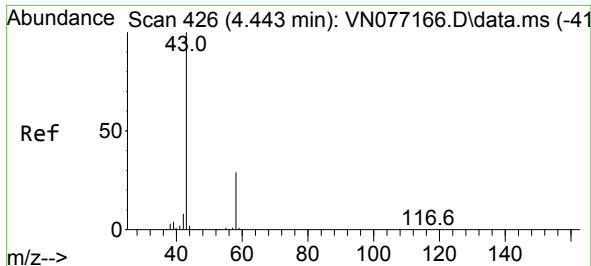
Tgt Ion: 56 Resp: 132317
Ion Ratio Lower Upper
56 100
55 69.9 55.0 82.4



#14
Acrylonitrile
Concen: 95.418 ug/l
RT: 5.725 min Scan# 644
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 53 Resp: 257636
Ion Ratio Lower Upper
53 100
52 84.4 41.5 124.6
51 35.4 17.6 52.8

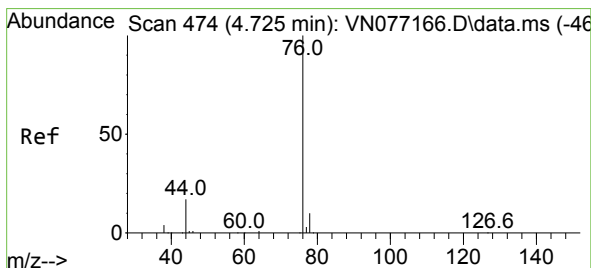
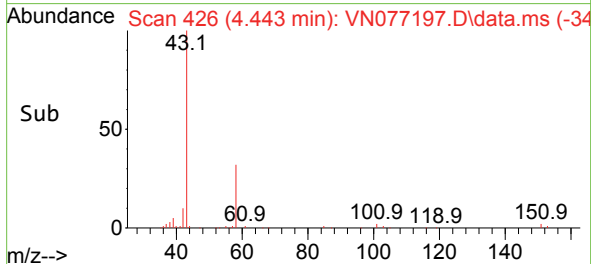
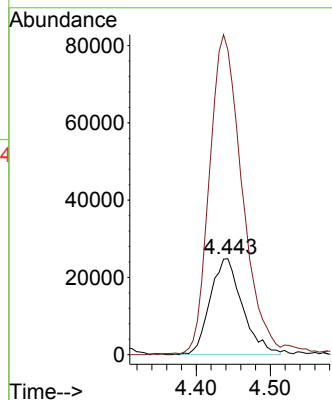
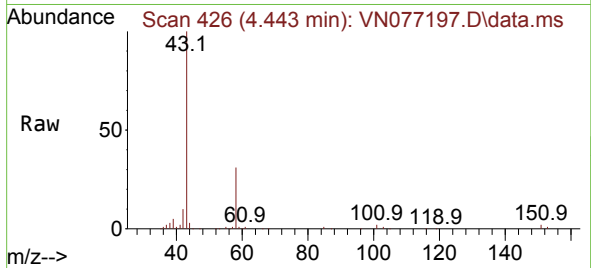




#15
Acetone
Concen: 106.688 ug/l
RT: 4.443 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

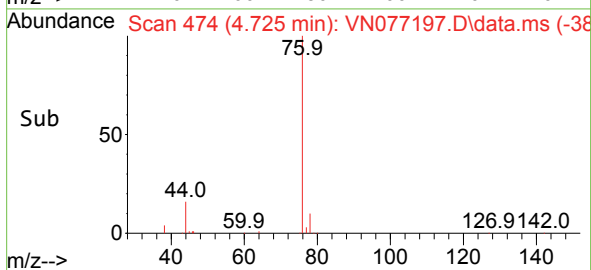
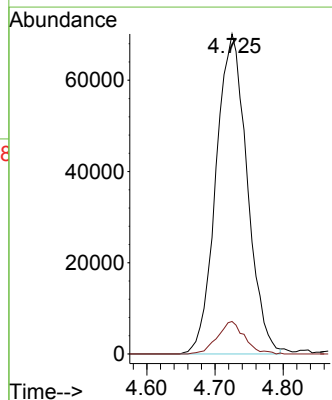
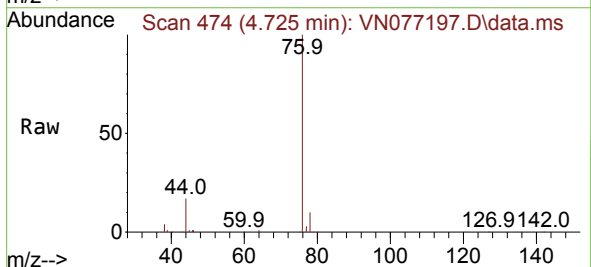
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

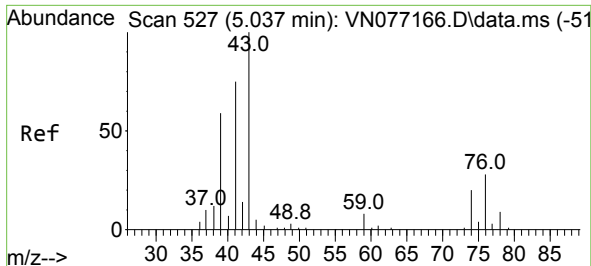
Tgt Ion: 58 Resp: 75322
Ion Ratio Lower Upper
58 100
43 316.6 255.4 383.0



#16
Carbon Disulfide
Concen: 19.135 ug/l
RT: 4.725 min Scan# 474
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 76 Resp: 223076
Ion Ratio Lower Upper
76 100
78 10.2 6.6 9.8#

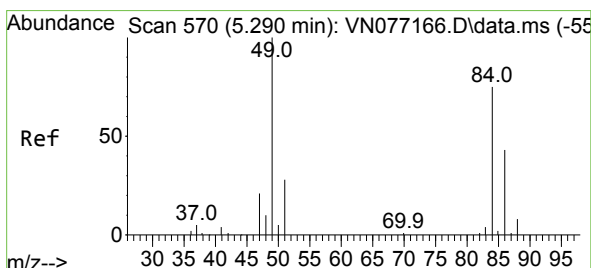
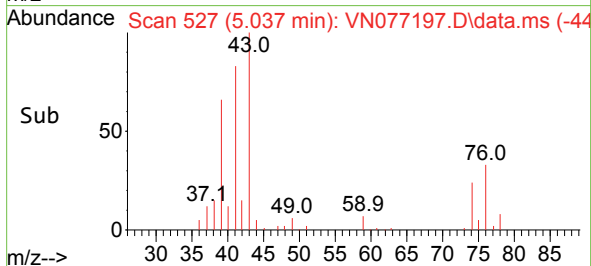
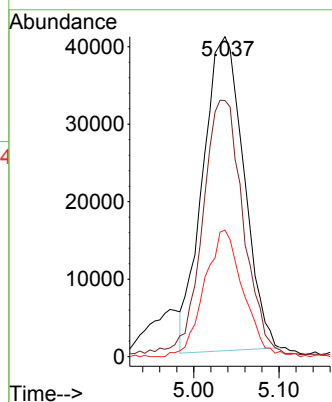
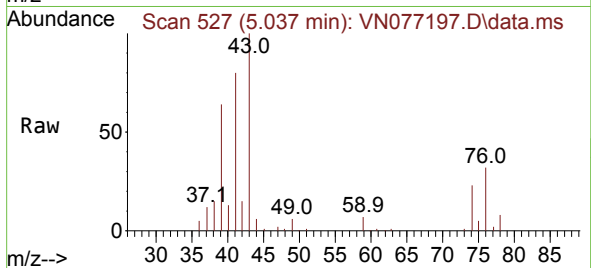




#17
Allyl chloride
Concen: 18.707 ug/l
RT: 5.037 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

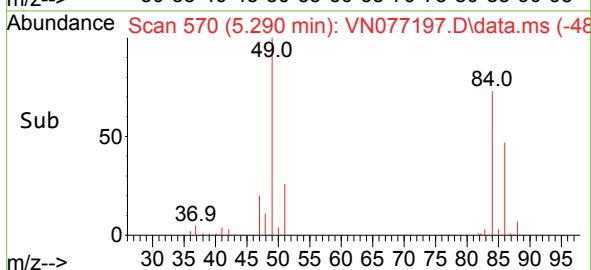
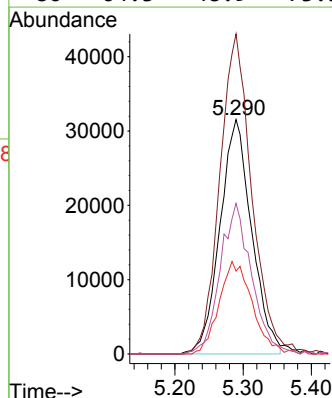
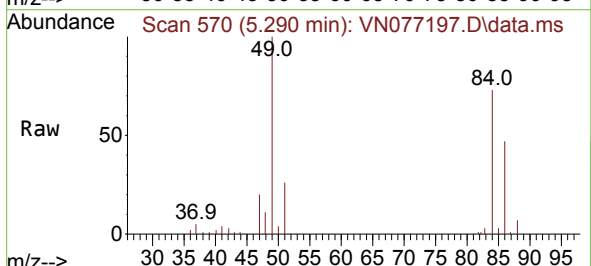
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

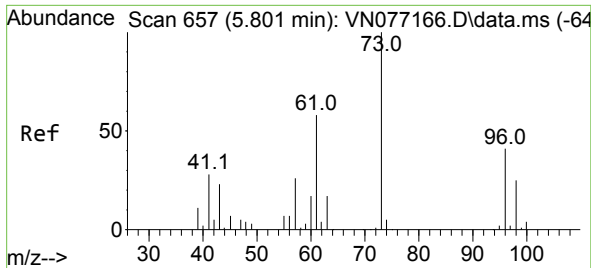
Tgt Ion: 41 Resp: 135814
Ion Ratio Lower Upper
41 100
39 80.2 34.8 104.3
76 39.0 17.5 52.5



#18
Methylene Chloride
Concen: 20.093 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 84 Resp: 101936
Ion Ratio Lower Upper
84 100
49 136.6 113.8 170.6
51 35.4 34.2 51.4
86 64.3 48.9 73.3

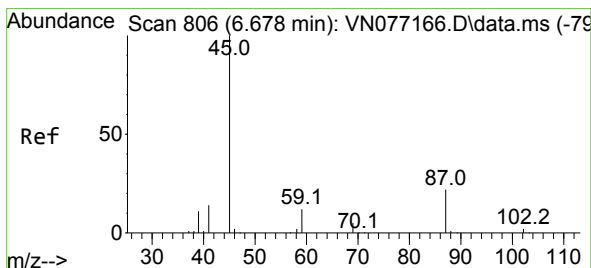
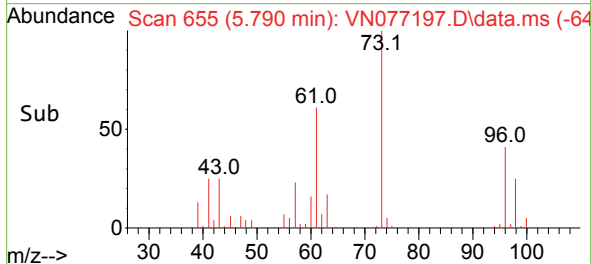
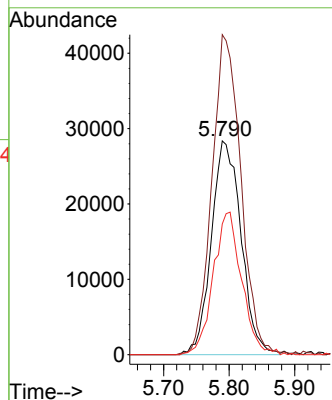
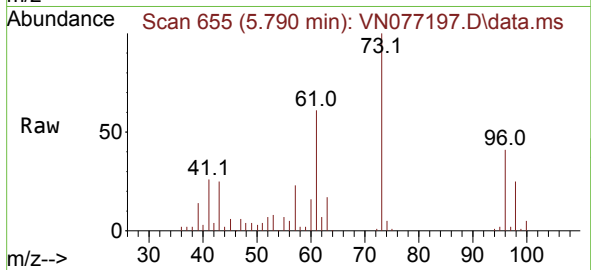




#19
trans-1,2-Dichloroethene
Concen: 20.159 ug/l
RT: 5.790 min Scan# 61
Delta R.T. -0.011 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

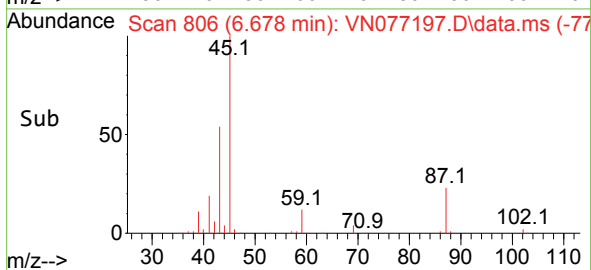
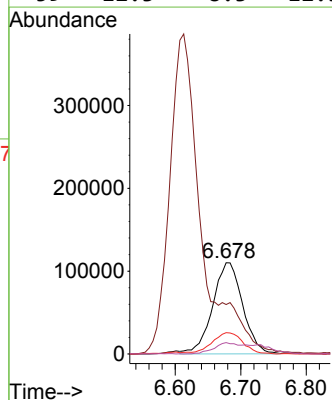
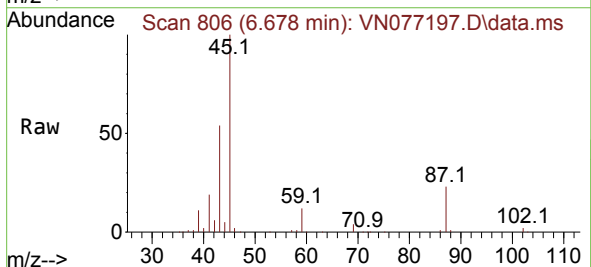
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

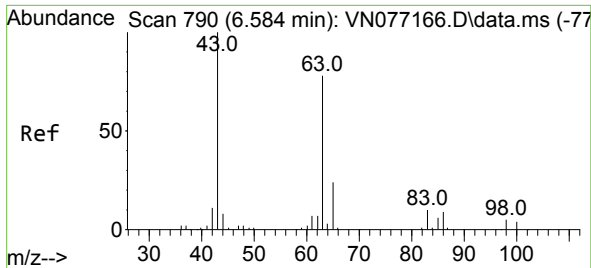
Tgt Ion: 96 Resp: 89149
Ion Ratio Lower Upper
96 100
61 149.1 111.0 166.4
98 61.1 55.0 82.6



#20
Diisopropyl ether
Concen: 21.266 ug/l
RT: 6.678 min Scan# 806
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 45 Resp: 349743
Ion Ratio Lower Upper
45 100
43 51.1 38.6 58.0
87 23.2 20.1 30.1
59 12.3 8.3 12.5

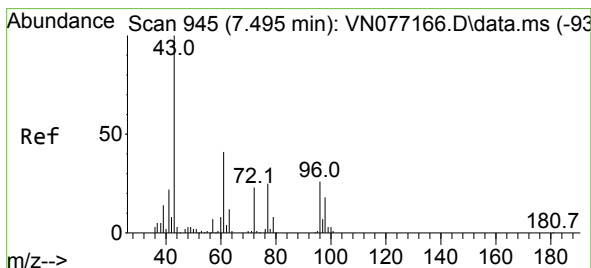
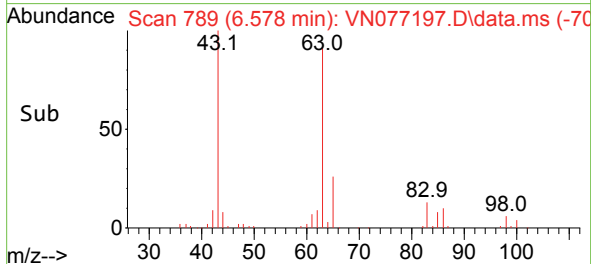
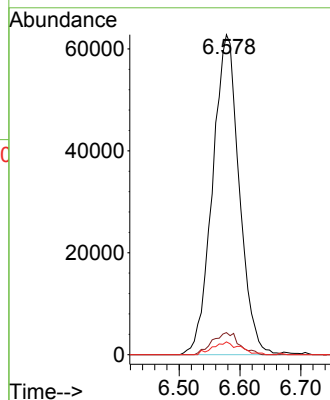
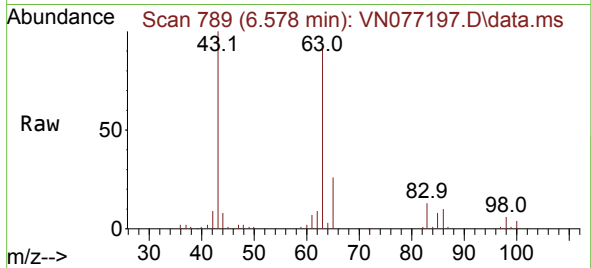




#21
1,1-Dichloroethane
Concen: 20.642 ug/l
RT: 6.578 min Scan# 718
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

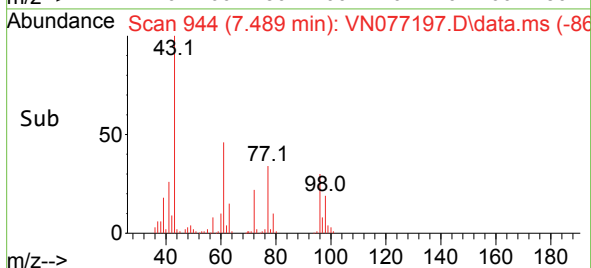
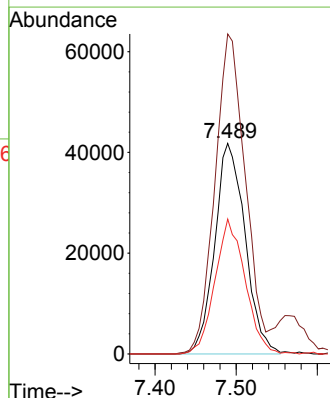
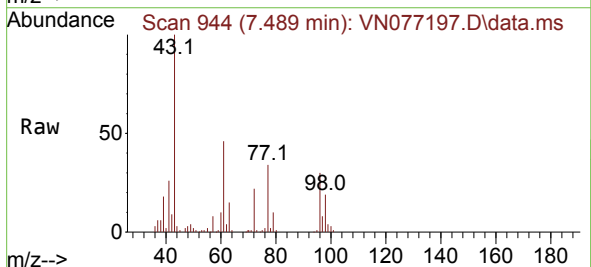
Instrument :
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ClientSampleId :
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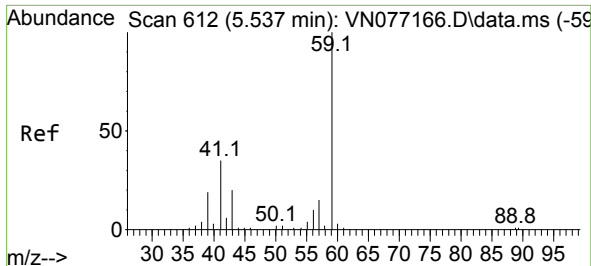
Tgt Ion: 63 Resp: 191125
Ion Ratio Lower Upper
63 100
98 6.9 3.6 10.9
100 4.0 2.6 7.8



#22
cis-1,2-Dichloroethene
Concen: 20.799 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 96 Resp: 108601
Ion Ratio Lower Upper
96 100
61 151.7 121.0 181.4
98 63.5 50.1 75.1

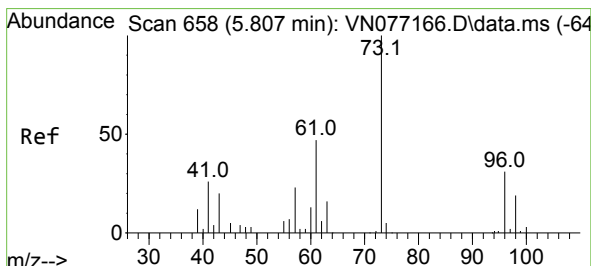
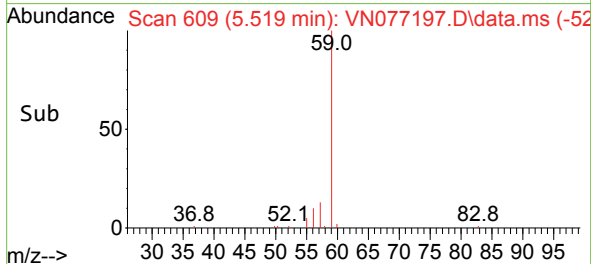
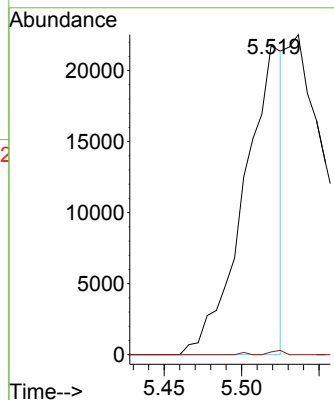
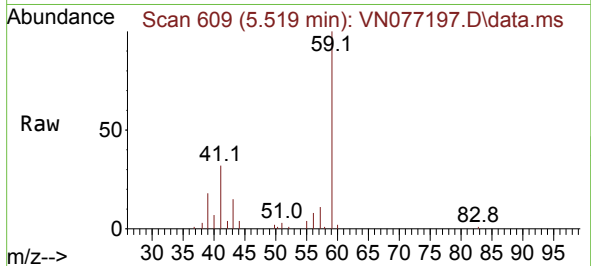




#23
tert-Butyl Alcohol
Concen: 41.150 ug/l
RT: 5.519 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

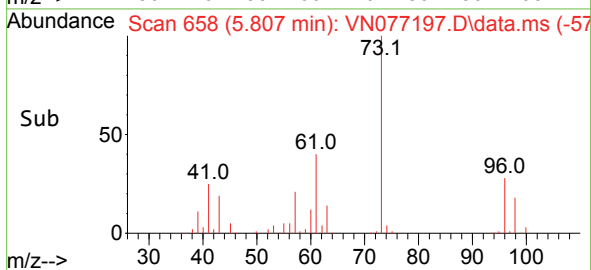
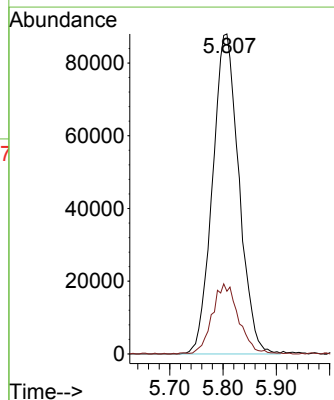
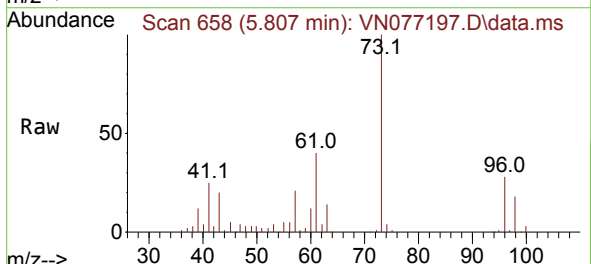
Instrument :
MSVOA_N
ClientSampleId :
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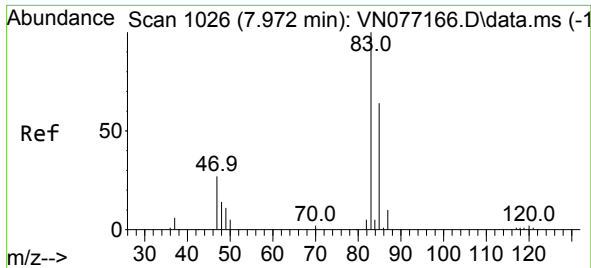
Tgt Ion: 59 Resp: 37714
Ion Ratio Lower Upper
59 100
52 0.5 0.2 0.2#



#24
Methyl tert-Butyl Ether
Concen: 20.667 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 73 Resp: 302882
Ion Ratio Lower Upper
73 100
43 21.5 17.8 26.6

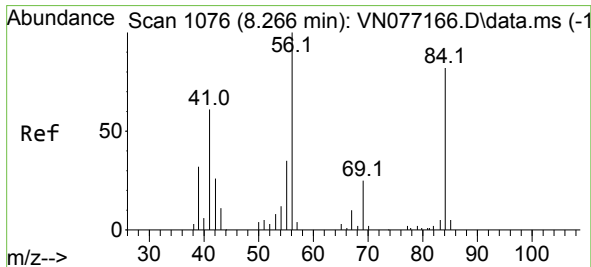
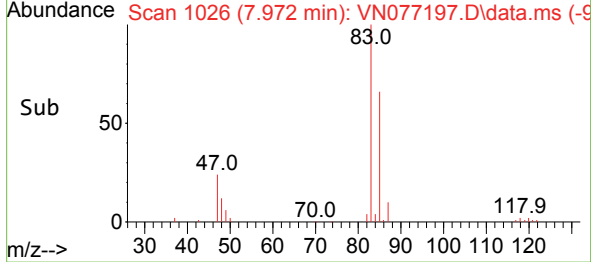
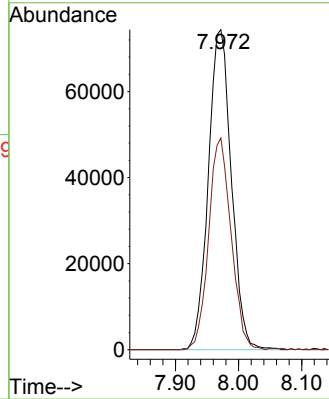
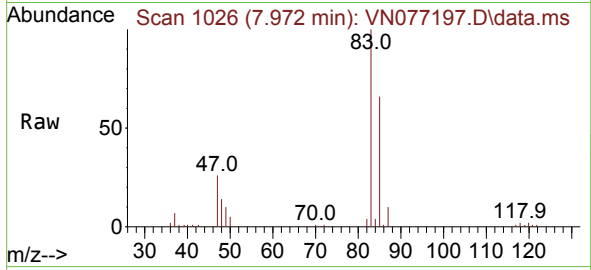




#25
Chloroform
Concen: 20.857 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

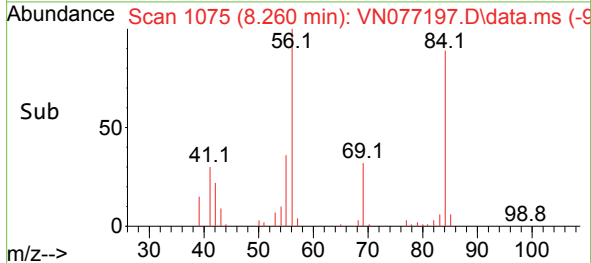
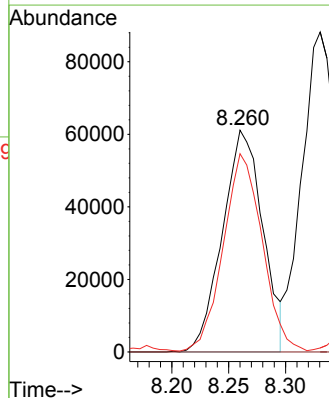
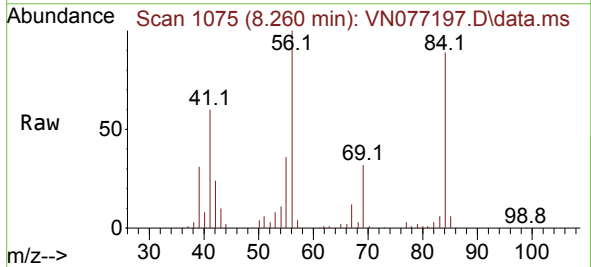
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

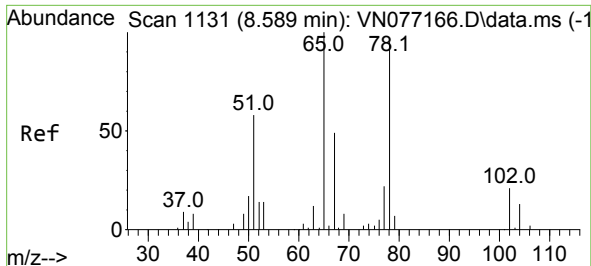
Tgt Ion: 83 Resp: 188958
Ion Ratio Lower Upper
83 100
85 66.1 51.8 77.6



#26
Cyclohexane
Concen: 19.366 ug/l
RT: 8.260 min Scan# 1075
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 56 Resp: 151238
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.4 65.3 97.9

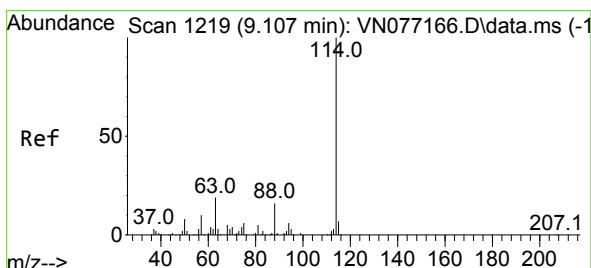
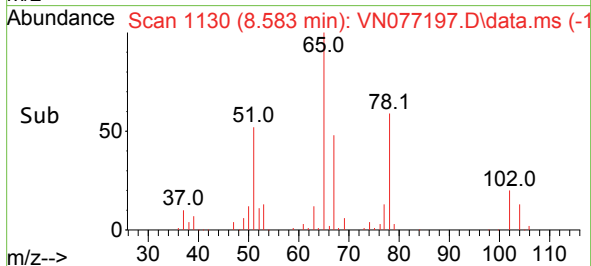
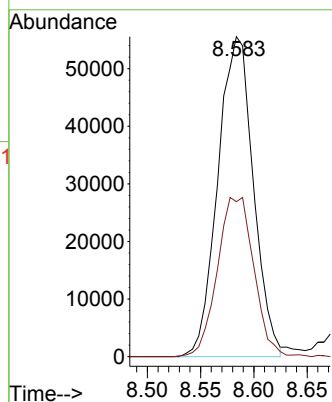
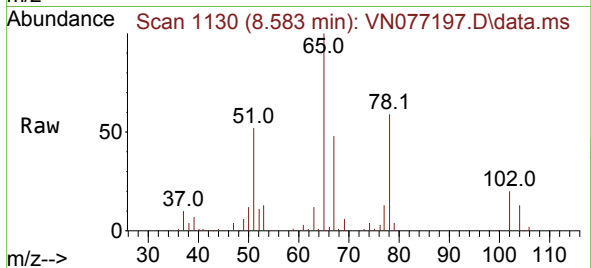




#27
1,2-Dichloroethane-d4
Concen: 31.897 ug/l
RT: 8.583 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

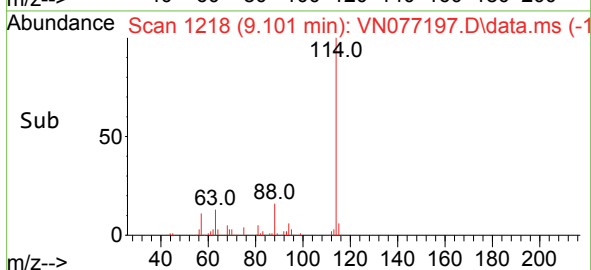
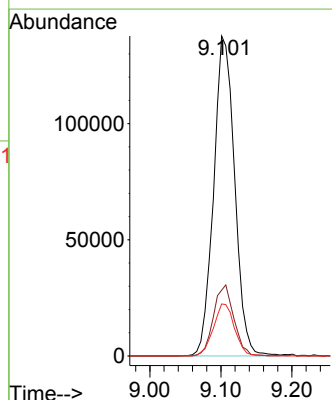
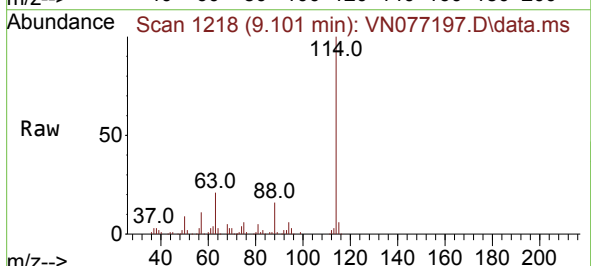
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

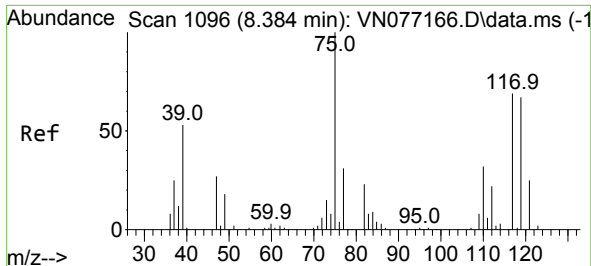
Tgt Ion: 65 Resp: 128506
Ion Ratio Lower Upper
65 100
67 51.1 40.9 61.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.101 min Scan# 1218
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 114 Resp: 282690
Ion Ratio Lower Upper
114 100
63 21.4 17.0 25.4
88 16.4 11.6 17.4





#29

1,1-Dichloropropene

Concen: 18.866 ug/l

RT: 8.378 min Scan# 1095

Delta R.T. -0.006 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

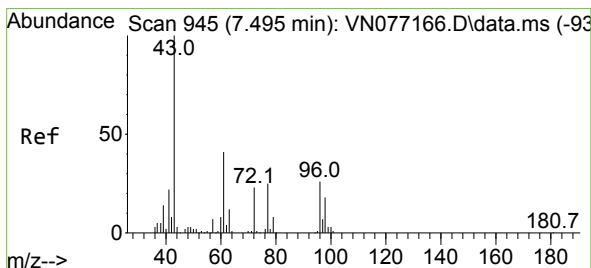
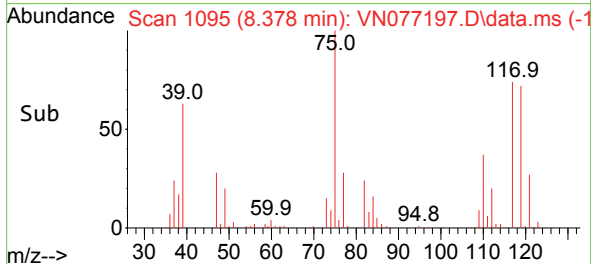
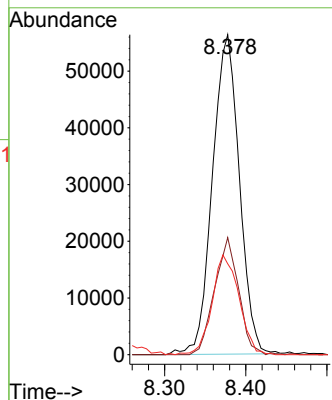
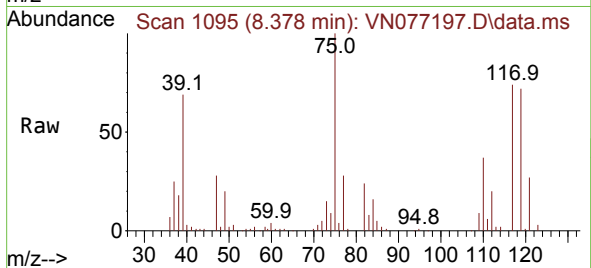
Tgt Ion: 75 Resp: 129377

Ion Ratio Lower Upper

75 100

110 32.8 0.0 67.2

77 31.1 0.0 64.4



#30

2-Butanone

Concen: 93.832 ug/l

RT: 7.489 min Scan# 944

Delta R.T. -0.006 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

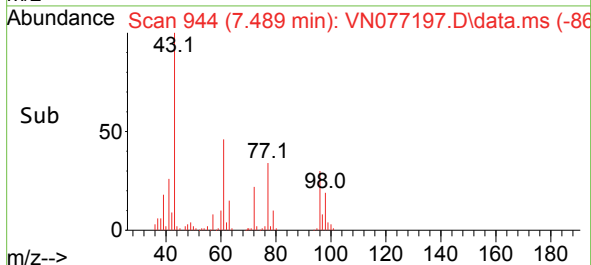
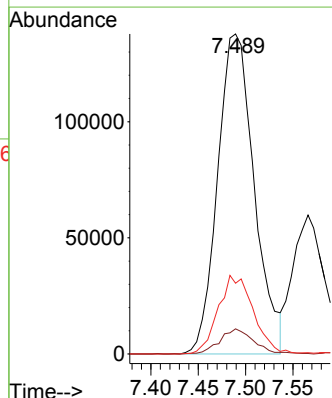
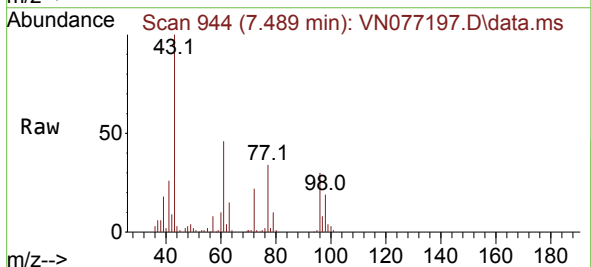
Tgt Ion: 43 Resp: 371214

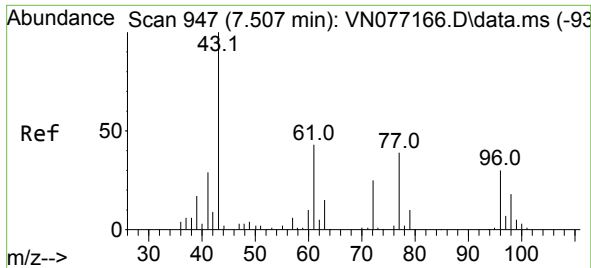
Ion Ratio Lower Upper

43 100

57 7.2 6.1 9.1

72 23.5 20.2 30.4





#31

2,2-Dichloropropane

Concen: 22.223 ug/l

RT: 7.495 min Scan# 947

Delta R.T. -0.012 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

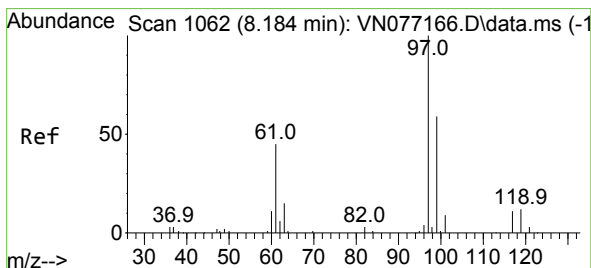
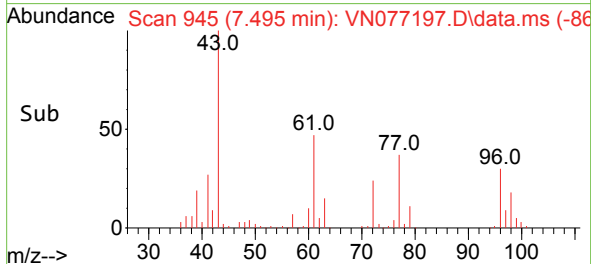
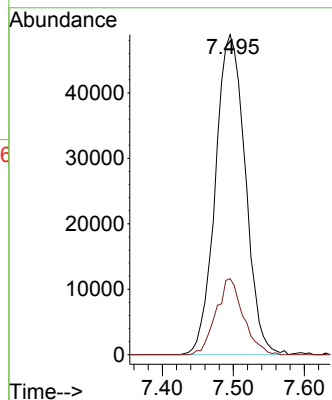
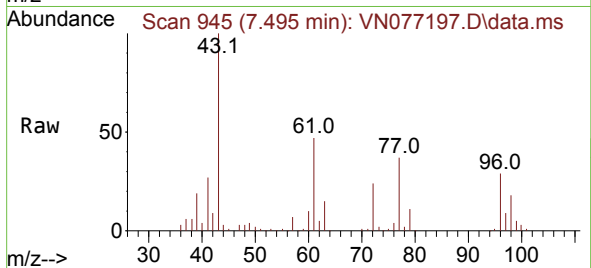
VSTDCCC020

Tgt Ion: 77 Resp: 142764

Ion Ratio Lower Upper

77 100

97 21.8 7.2 10.8#



#32

1,1,1-Trichloroethane

Concen: 19.273 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. -0.006 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

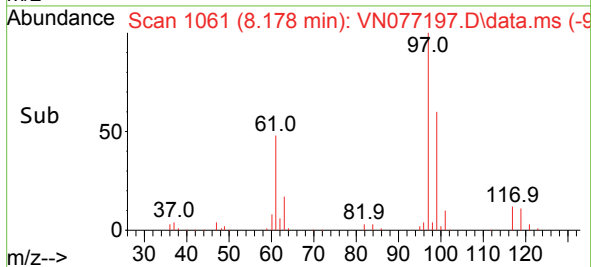
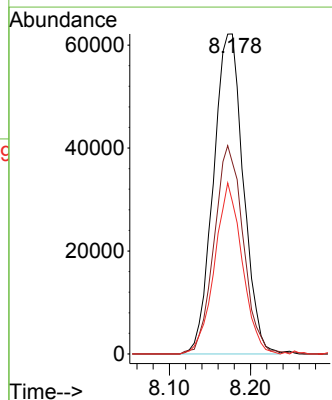
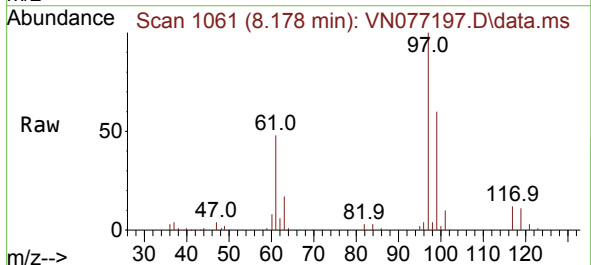
Tgt Ion: 97 Resp: 159356

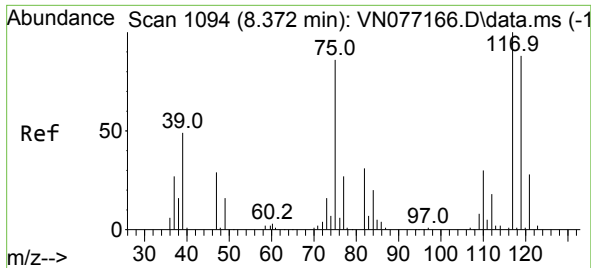
Ion Ratio Lower Upper

97 100

99 61.2 51.8 77.8

61 49.3 39.3 58.9

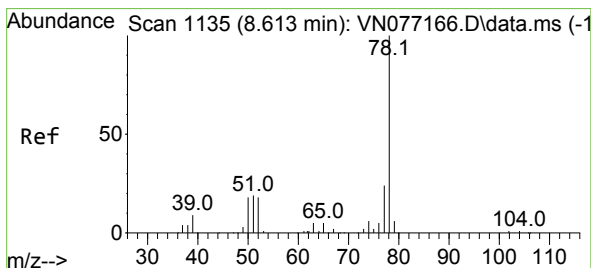
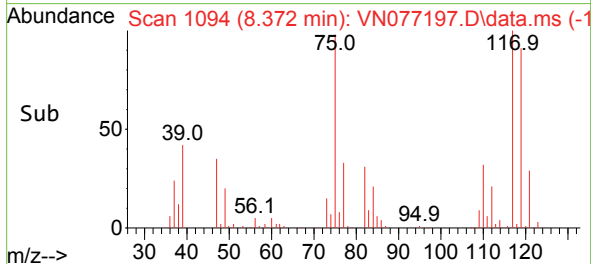
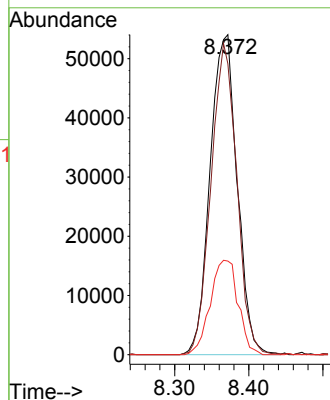
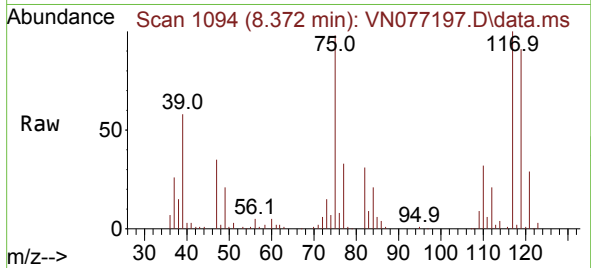




#33
Carbon Tetrachloride
Concen: 19.733 ug/l
RT: 8.372 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

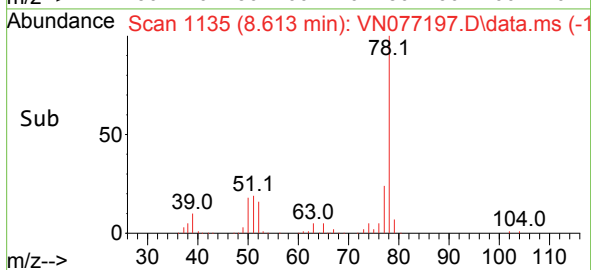
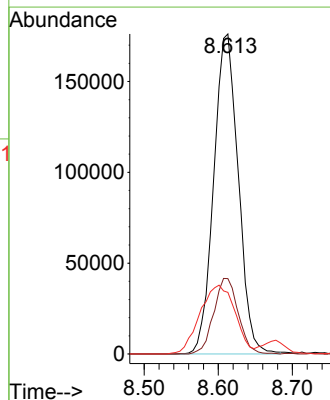
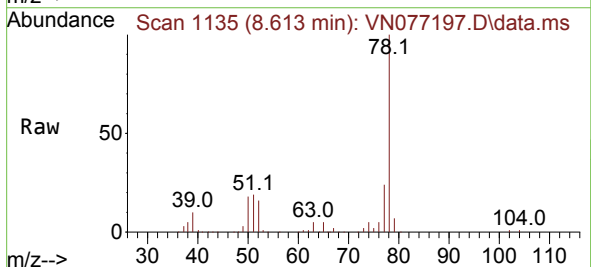
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

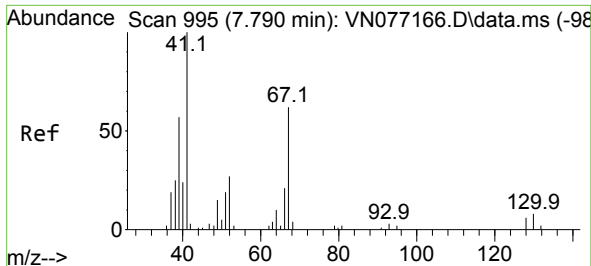
Tgt Ion:117 Resp: 137071
Ion Ratio Lower Upper
117 100
119 90.9 79.8 119.8
121 29.2 23.4 35.0



#34
Benzene
Concen: 19.298 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 78 Resp: 405663
Ion Ratio Lower Upper
78 100
77 23.5 17.4 26.2
51 18.4 13.8 20.6

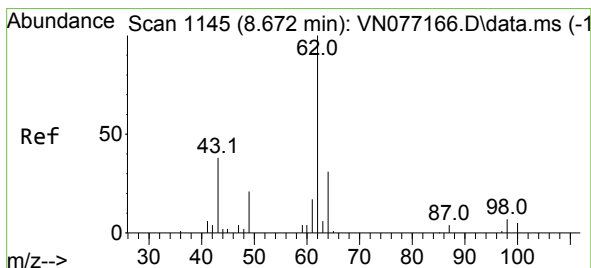
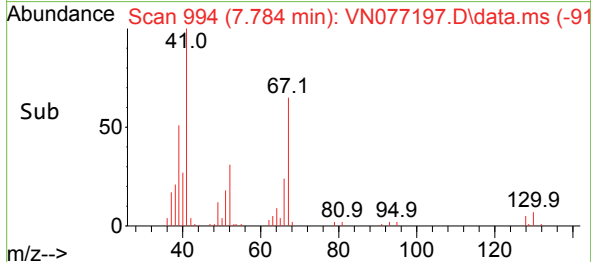
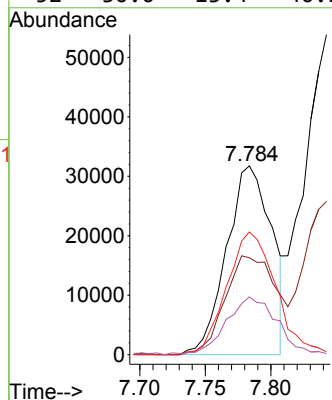
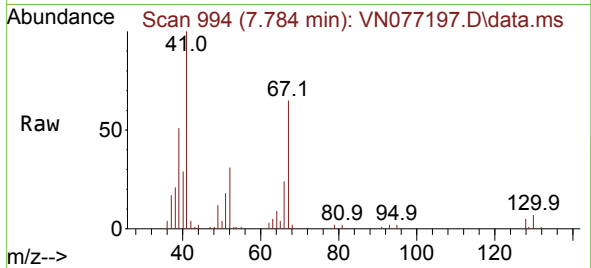




#35
Methacrylonitrile
Concen: 17.493 ug/l
RT: 7.784 min Scan# 994
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

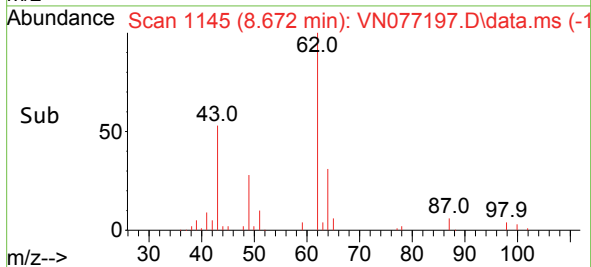
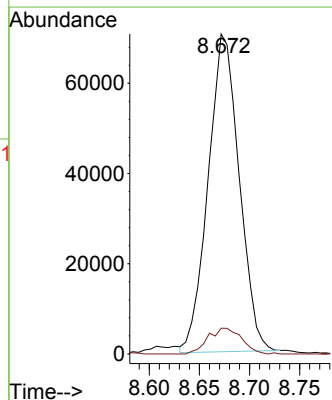
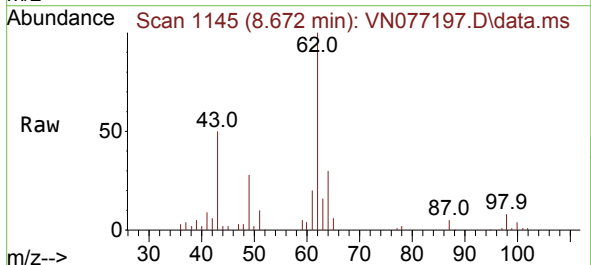
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

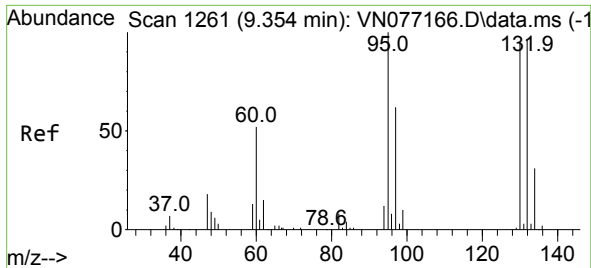
Tgt Ion: 41	Resp: 75968
Ion Ratio	Lower Upper
41 100	
39 51.4	26.6 79.7
67 65.0	32.3 96.9
52 30.0	13.4 40.1



#36
1,2-Dichloroethane
Concen: 19.581 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 62	Resp: 151743
Ion Ratio	Lower Upper
62 100	
98 8.8	7.4 11.0





#37

Trichloroethene

Concen: 19.217 ug/l

RT: 9.354 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

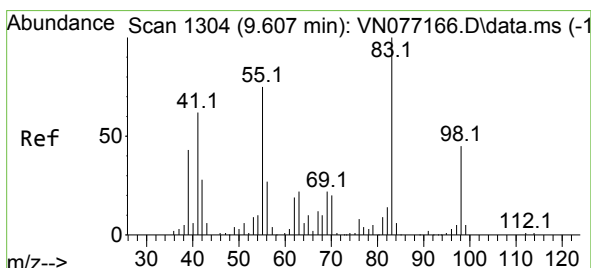
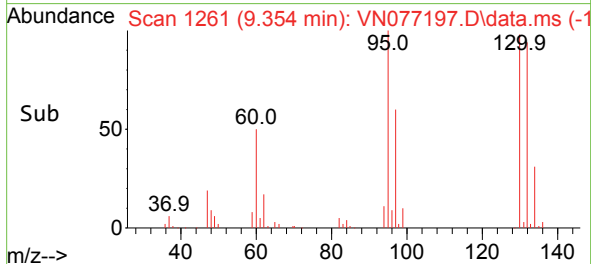
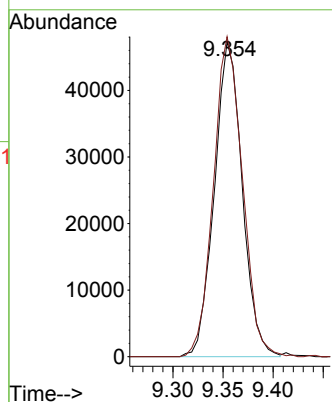
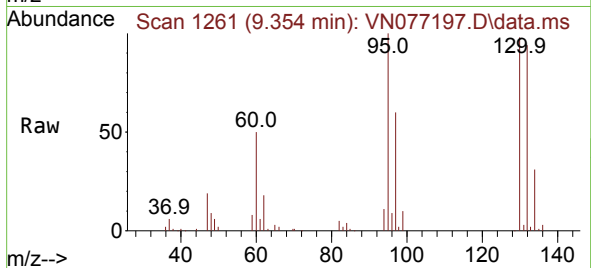
VSTDCCC020

Tgt Ion:130 Resp: 91327

Ion Ratio Lower Upper

130 100

95 101.6 78.7 118.1



#38

Methylcyclohexane

Concen: 18.842 ug/l

RT: 9.601 min Scan# 1303

Delta R.T. -0.006 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

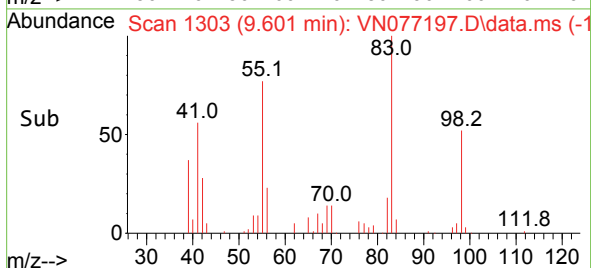
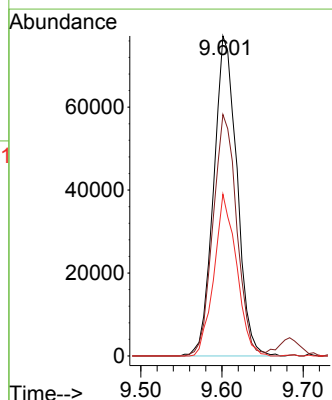
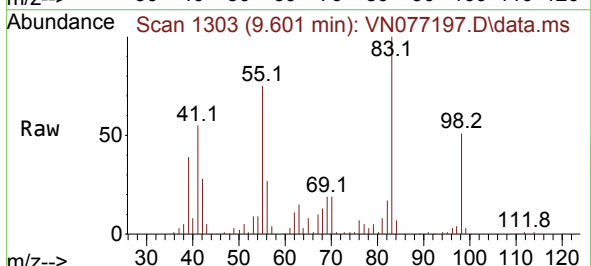
Tgt Ion: 83 Resp: 153812

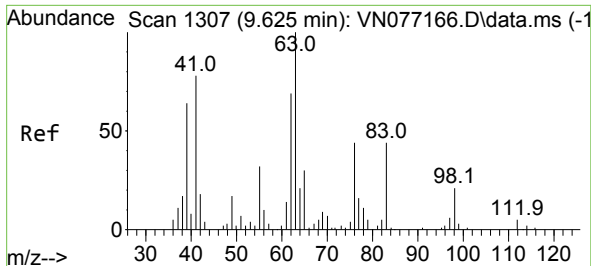
Ion Ratio Lower Upper

83 100

55 77.1 37.6 112.9

98 49.0 24.1 72.4





#39

1,2-Dichloropropane

Concen: 18.905 ug/l

RT: 9.625 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

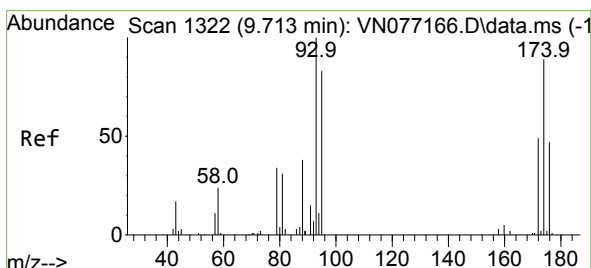
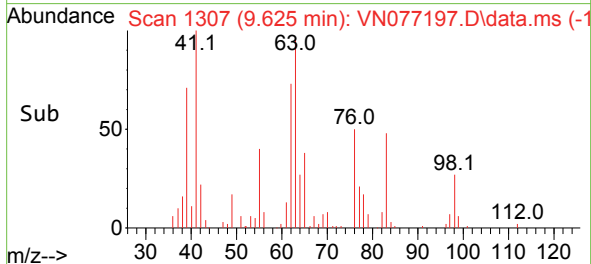
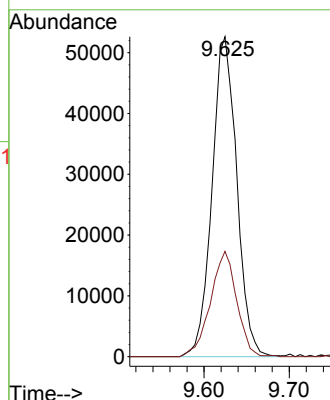
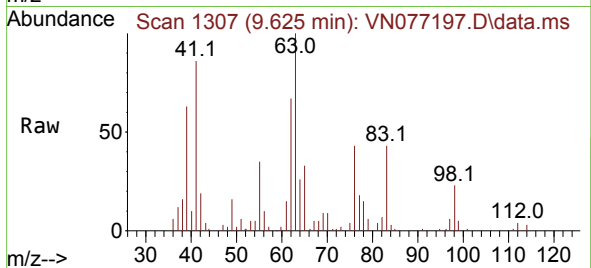
VSTDCCC020

Tgt Ion: 63 Resp: 106388

Ion Ratio Lower Upper

63 100

65 32.9 27.2 40.8



#40

Dibromomethane

Concen: 19.593 ug/l

RT: 9.707 min Scan# 1321

Delta R.T. -0.006 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

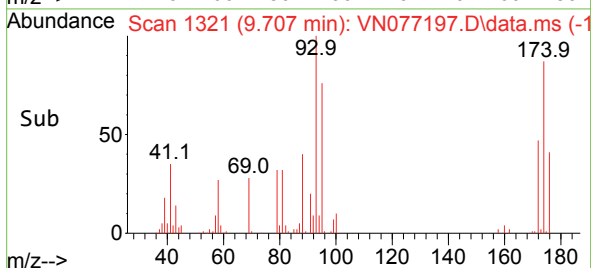
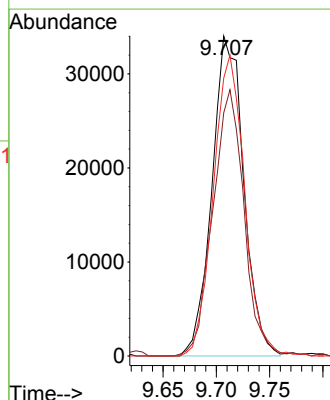
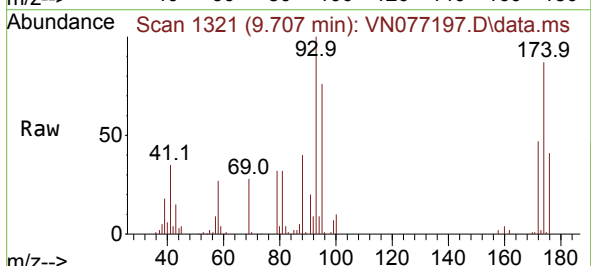
Tgt Ion: 93 Resp: 70507

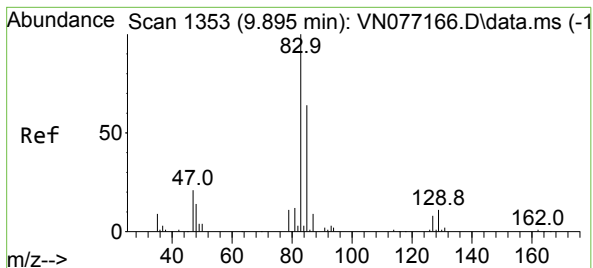
Ion Ratio Lower Upper

93 100

95 81.6 0.0 158.0

174 92.5 0.0 171.2





#41

Bromodichloromethane

Concen: 19.739 ug/l

RT: 9.889 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

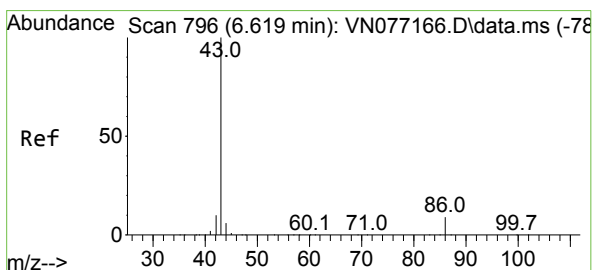
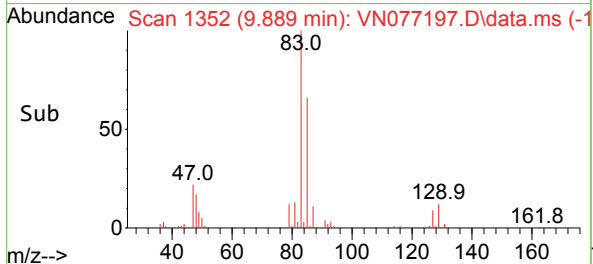
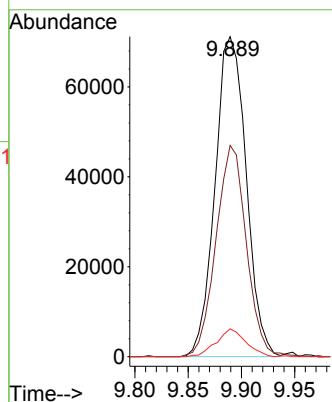
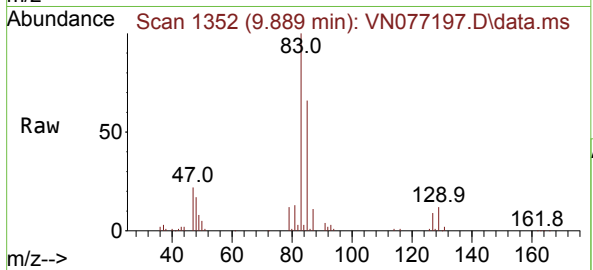
Tgt Ion: 83 Resp: 144648

Ion Ratio Lower Upper

83 100

85 66.0 51.0 76.4

127 9.7 6.2 9.2#



#42

Vinyl Acetate

Concen: 96.040 ug/l

RT: 6.613 min Scan# 795

Delta R.T. -0.006 min

Lab File: VN077197.D

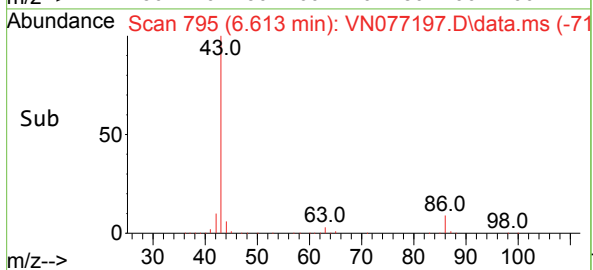
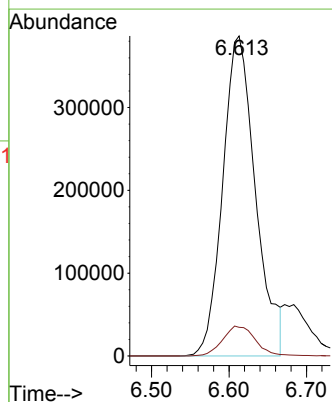
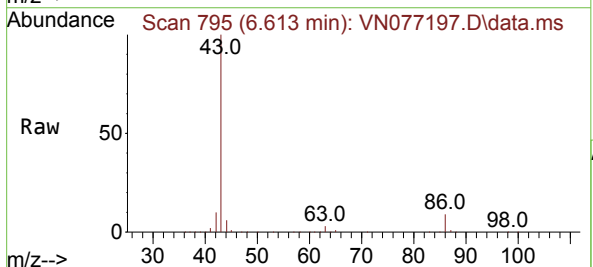
Acq: 27 Mar 2023 11:08

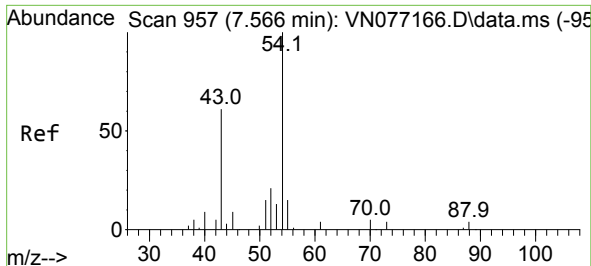
Tgt Ion: 43 Resp: 1138858

Ion Ratio Lower Upper

43 100

86 9.4 7.8 11.6

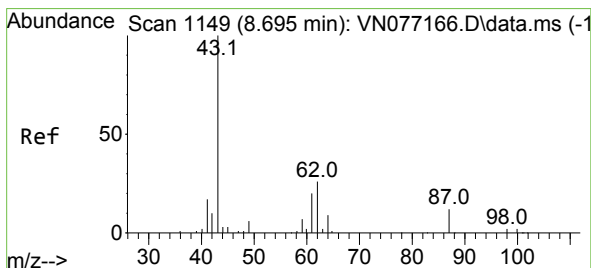
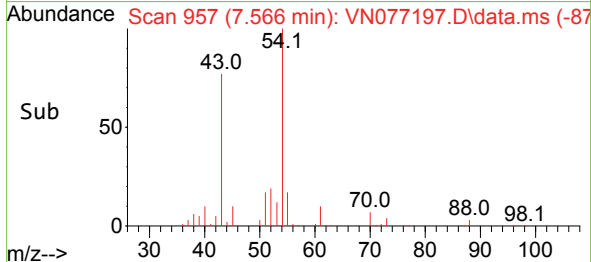
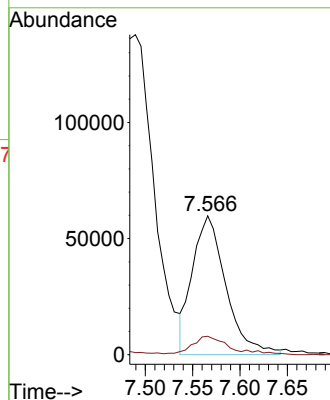
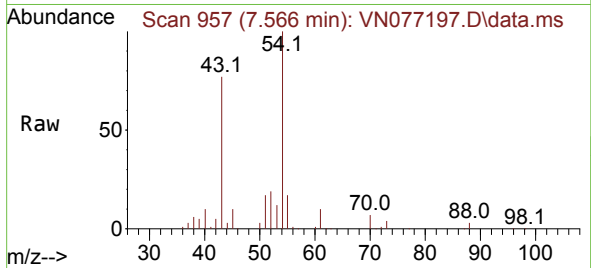




#43
Ethyl Acetate
Concen: 18.578 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

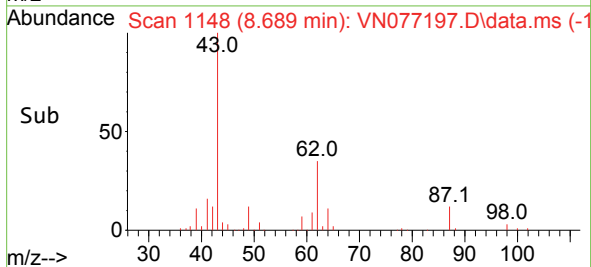
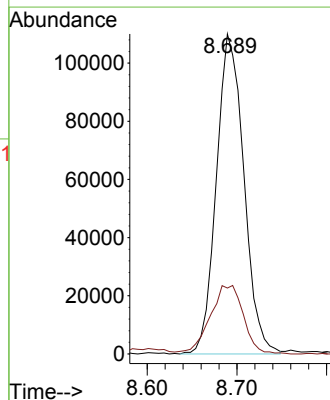
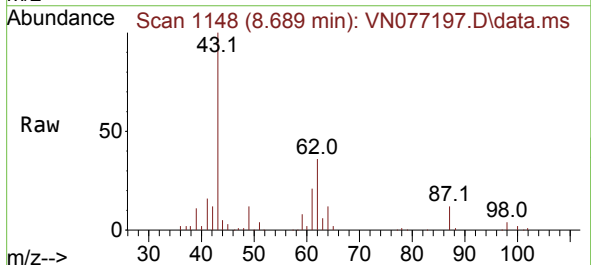
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

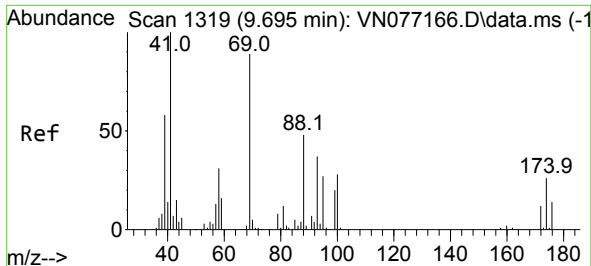
Tgt Ion: 43 Resp: 146833
Ion Ratio Lower Upper
43 100
45 12.9 11.2 16.8



#44
Isopropyl Acetate
Concen: 18.341 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 43 Resp: 233931
Ion Ratio Lower Upper
43 100
61 26.0 19.5 29.3

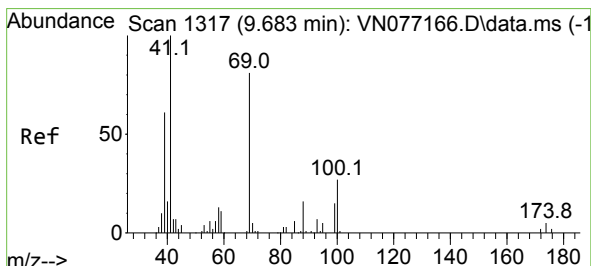
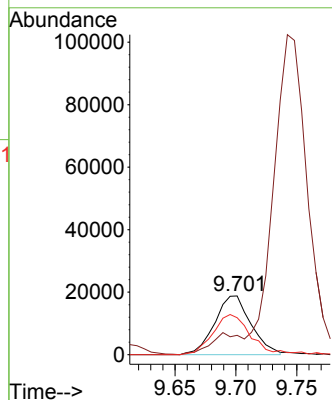
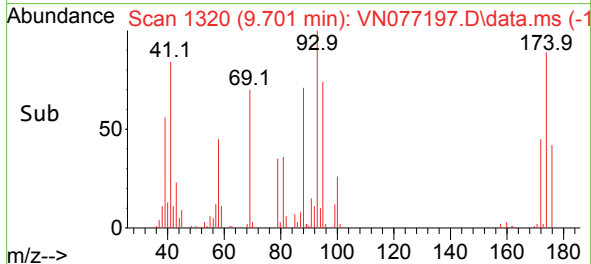
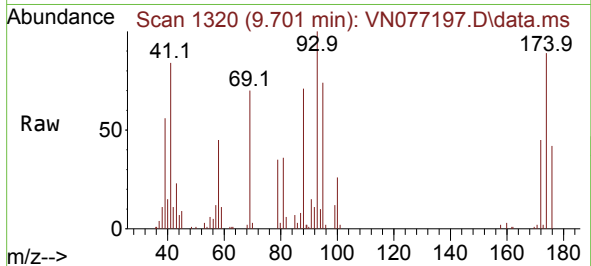




#45
1,4-Dioxane
Concen: 376.564 ug/l
RT: 9.701 min Scan# 1320
Delta R.T. 0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

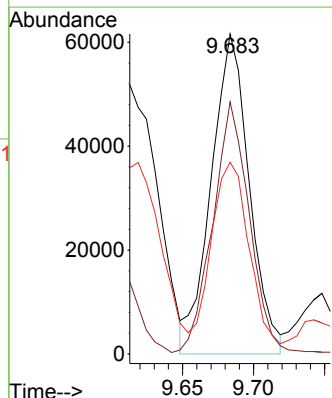
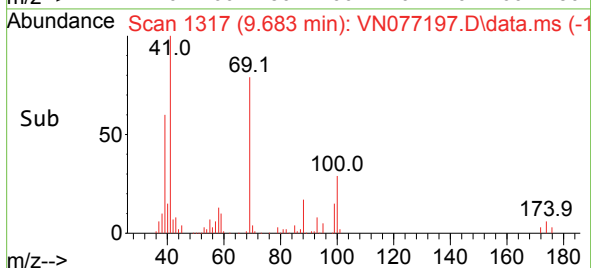
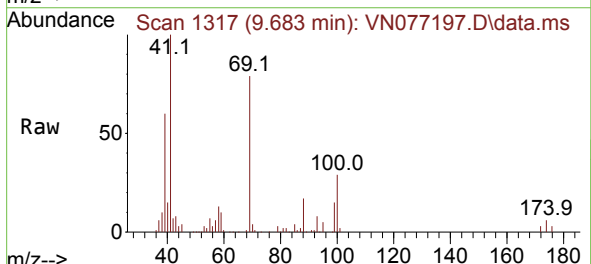
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

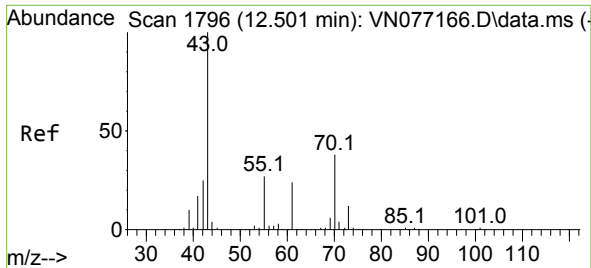
Tgt Ion: 88 Resp: 39053
Ion Ratio Lower Upper
88 100
43 31.6 26.0 39.0
58 67.7 54.3 81.5



#46
Methyl methacrylate
Concen: 19.555 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 41 Resp: 114996
Ion Ratio Lower Upper
41 100
69 82.5 40.6 121.7
39 60.3 30.5 91.5

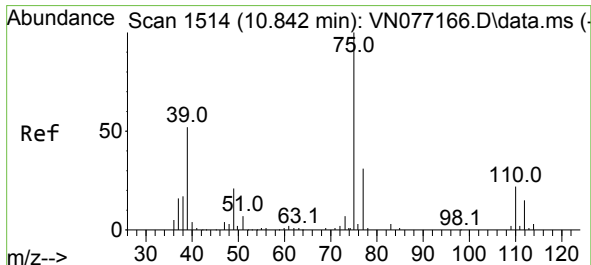
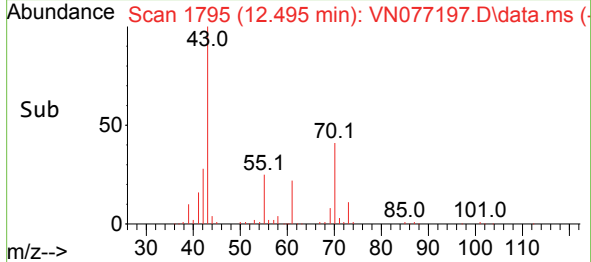
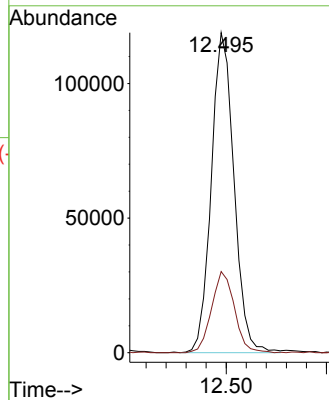
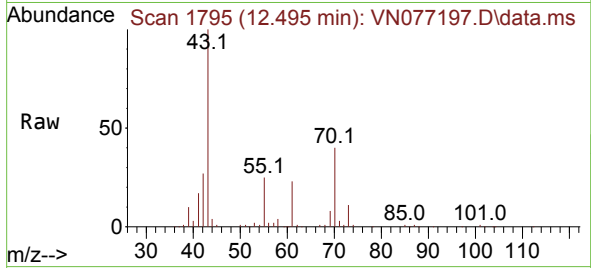




#47
n-amyl acetate
Concen: 17.430 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

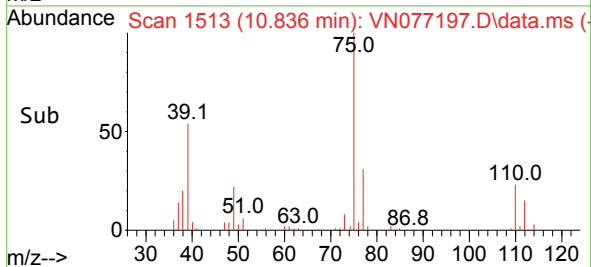
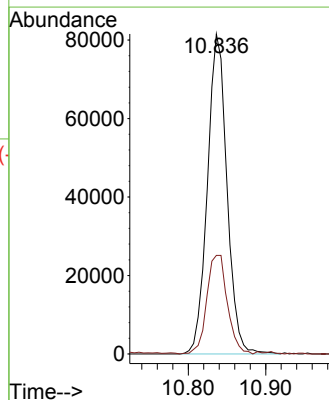
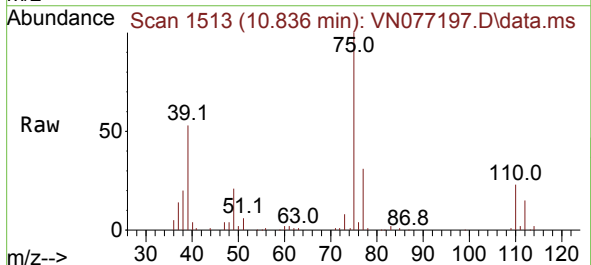
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

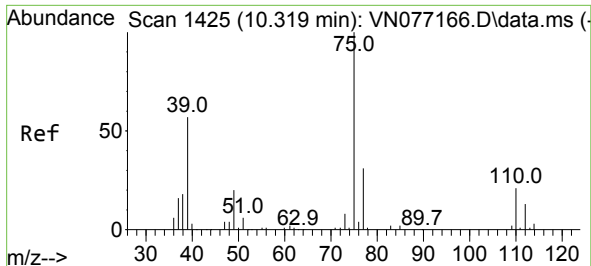
Tgt Ion: 43 Resp: 187036
Ion Ratio Lower Upper
43 100
55 25.6 18.3 27.5



#48
t-1,3-Dichloropropene
Concen: 19.250 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 75 Resp: 143285
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.2





#49

cis-1,3-Dichloropropene

Concen: 19.814 ug/l

RT: 10.313 min Scan# 1424

Delta R.T. -0.006 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

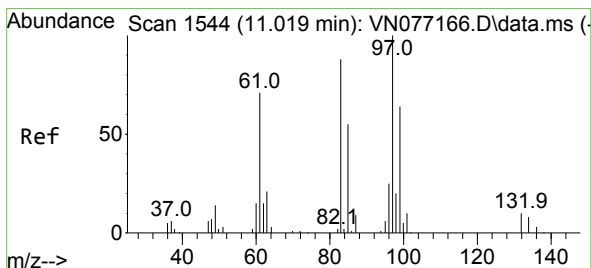
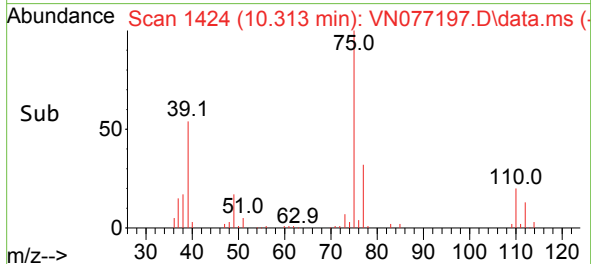
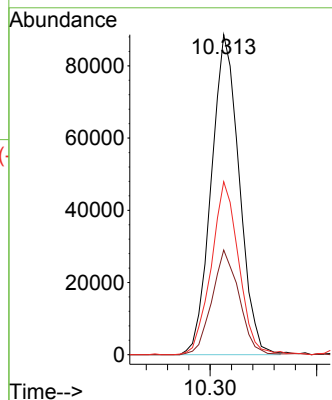
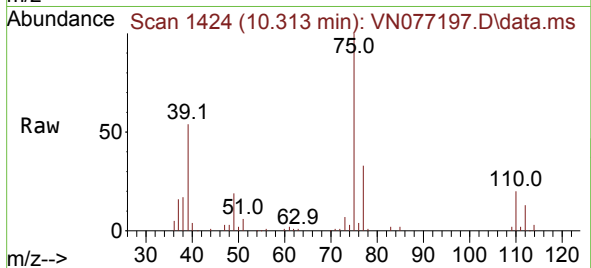
Tgt Ion: 75 Resp: 161456

Ion Ratio Lower Upper

75 100

77 32.7 27.5 41.3

39 53.9 43.5 65.3



#50

1,1,2-Trichloroethane

Concen: 19.982 ug/l

RT: 11.019 min Scan# 1544

Delta R.T. -0.000 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Tgt Ion: 97 Resp: 100940

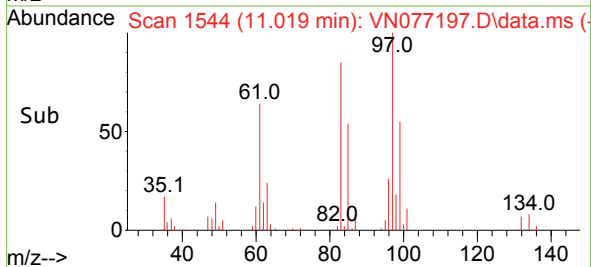
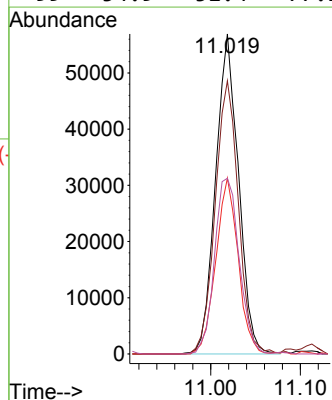
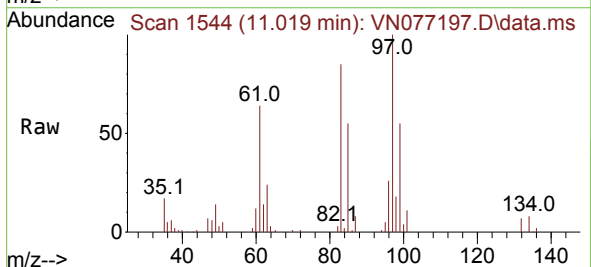
Ion Ratio Lower Upper

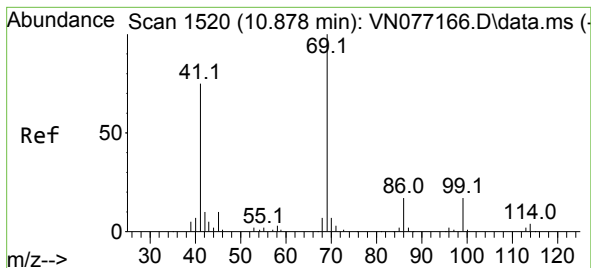
97 100

83 85.3 71.0 106.4

85 55.0 45.5 68.3

99 54.9 51.4 77.2





#51

Ethyl methacrylate

Concen: 18.350 ug/l

RT: 10.877 min Scan# 1520

Delta R.T. -0.001 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

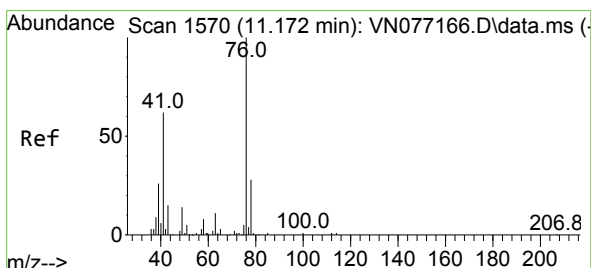
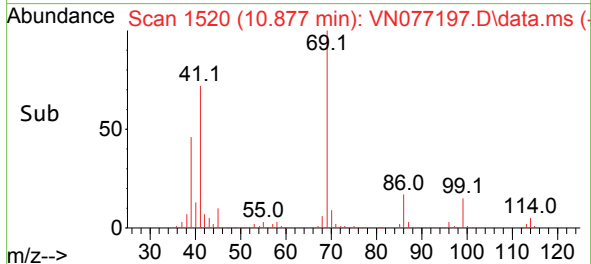
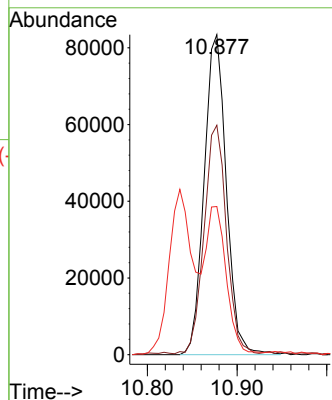
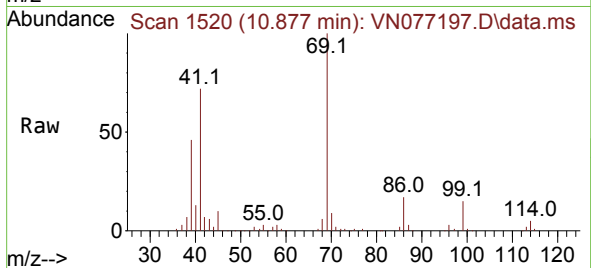
Tgt Ion: 69 Resp: 143123

Ion Ratio Lower Upper

69 100

41 70.8 36.3 108.7

39 45.5 19.9 59.7



#52

1,3-Dichloropropane

Concen: 19.840 ug/l

RT: 11.166 min Scan# 1569

Delta R.T. -0.006 min

Lab File: VN077197.D

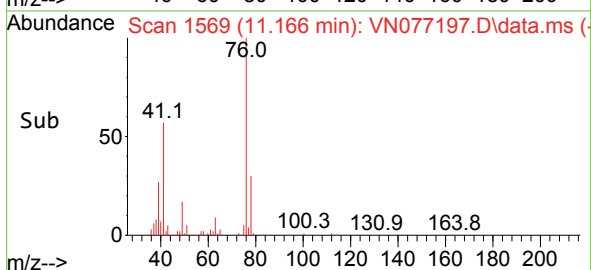
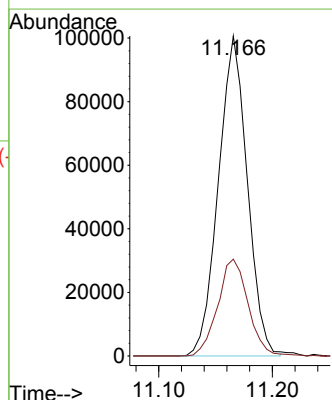
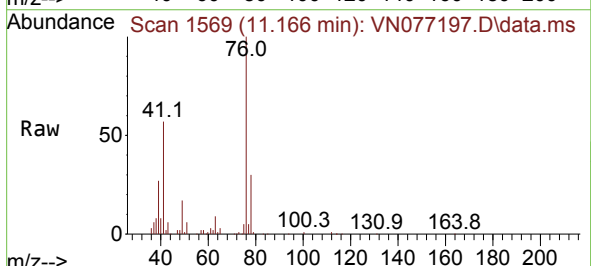
Acq: 27 Mar 2023 11:08

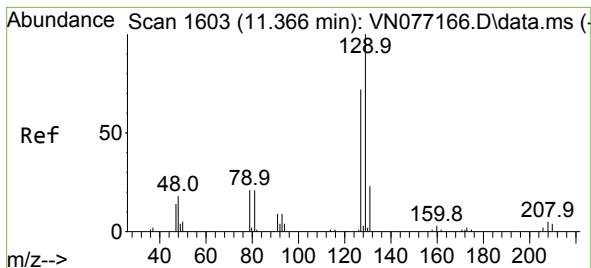
Tgt Ion: 76 Resp: 177903

Ion Ratio Lower Upper

76 100

78 31.8 0.0 65.4

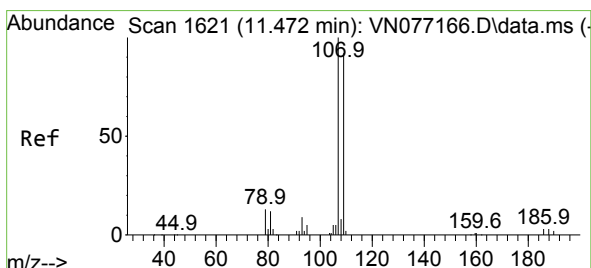
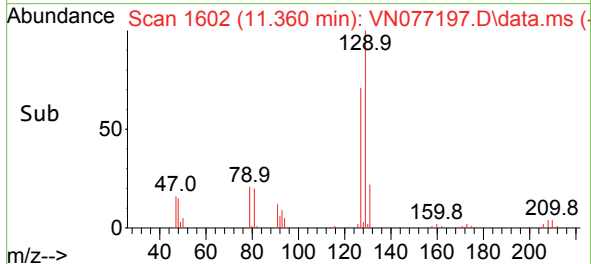
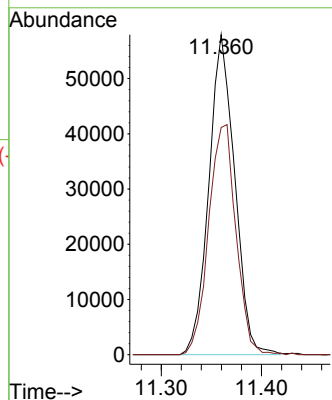
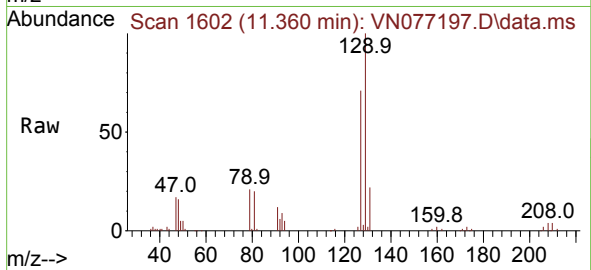




#53
Dibromochloromethane
Concen: 19.864 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

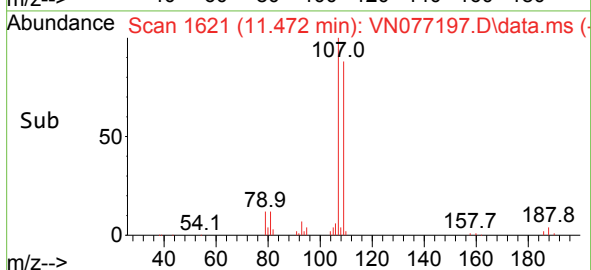
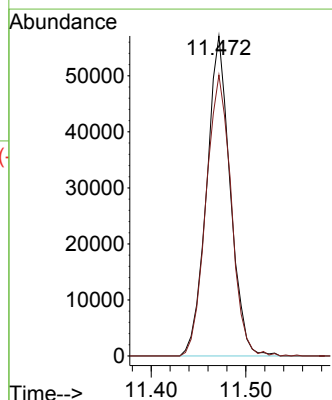
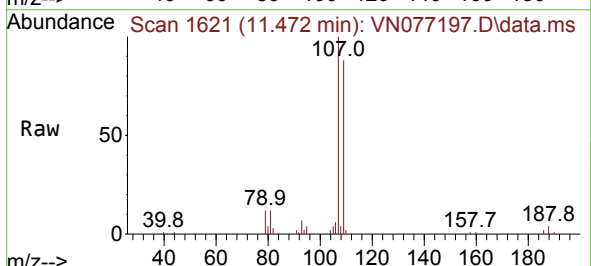
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

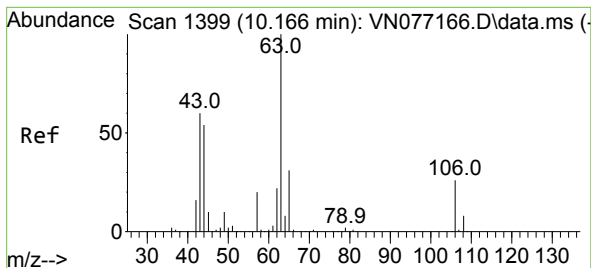
Tgt Ion:129 Resp: 103894
Ion Ratio Lower Upper
129 100
127 75.9 39.4 118.1



#54
1,2-Dibromoethane
Concen: 19.869 ug/l
RT: 11.472 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion:107 Resp: 98770
Ion Ratio Lower Upper
107 100
109 93.4 74.6 112.0

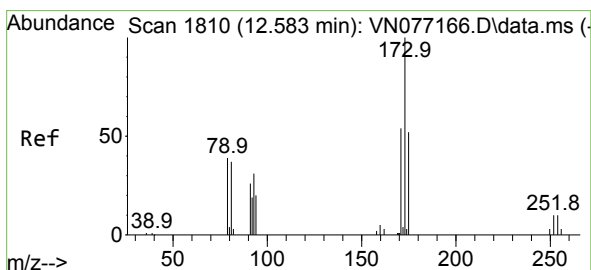
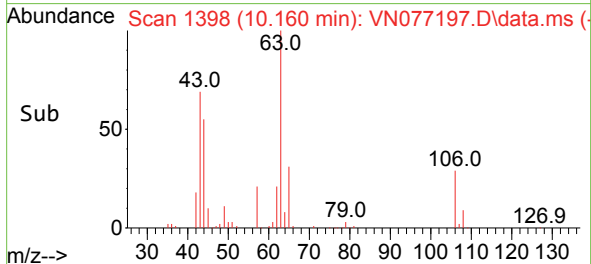
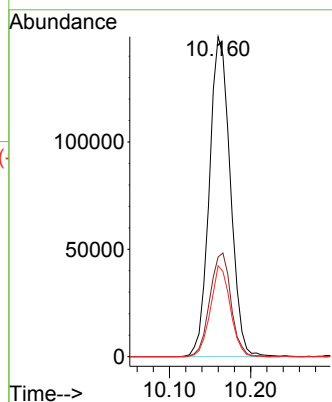
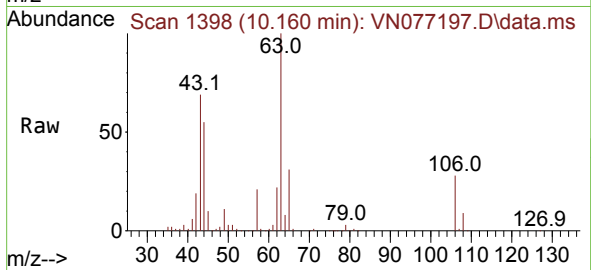




#55
2-Chloroethyl vinyl ether
Concen: 81.937 ug/l
RT: 10.160 min Scan# 1399
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

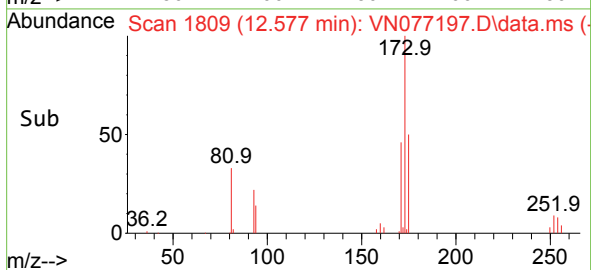
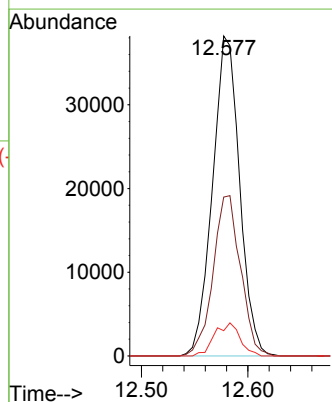
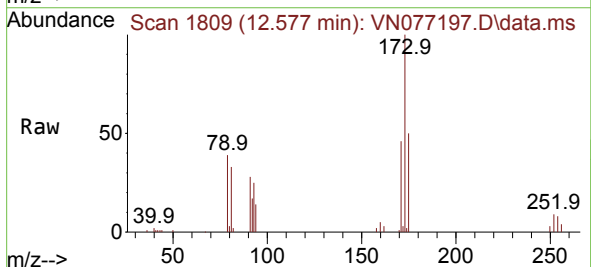
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

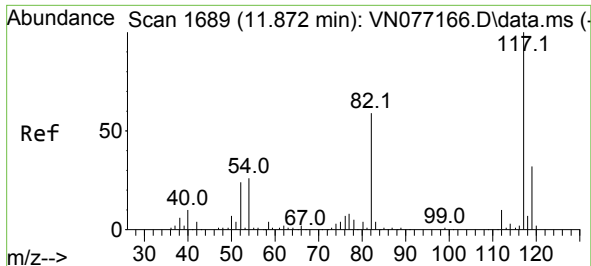
Tgt Ion: 63 Resp: 267197
Ion Ratio Lower Upper
63 100
65 32.5 26.3 39.5
106 26.9 21.6 32.4



#56
Bromoform
Concen: 18.398 ug/l
RT: 12.577 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 173 Resp: 67525
Ion Ratio Lower Upper
173 100
175 50.8 37.8 56.6
254 9.8 7.3 10.9





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.866 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

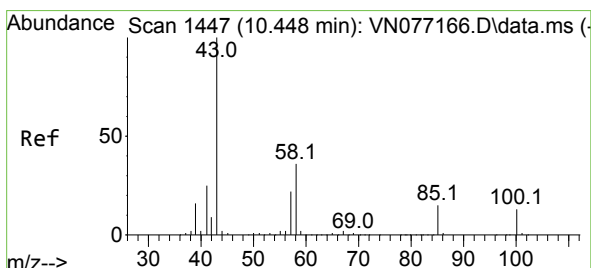
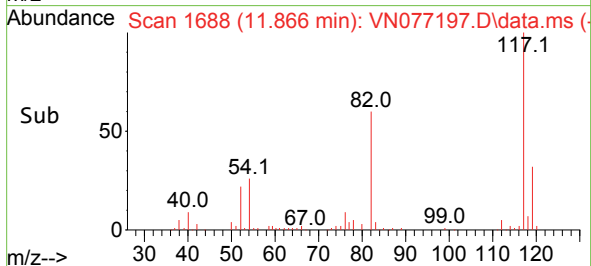
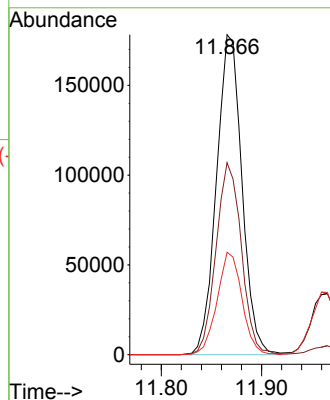
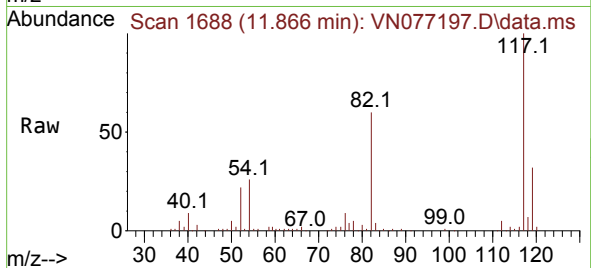
Tgt Ion:117 Resp: 315053

Ion Ratio Lower Upper

117 100

82 59.6 45.4 68.0

119 31.3 26.8 40.2



#58

4-Methyl-2-Pentanone

Concen: 91.804 ug/l

RT: 10.448 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

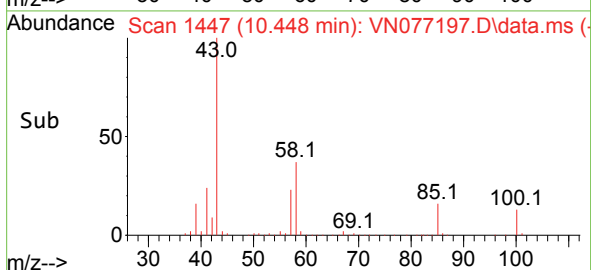
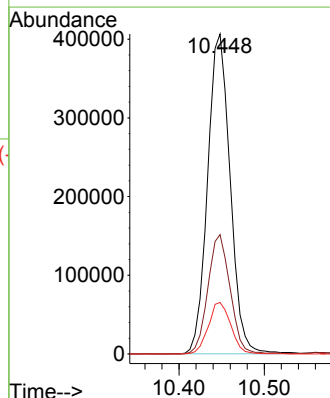
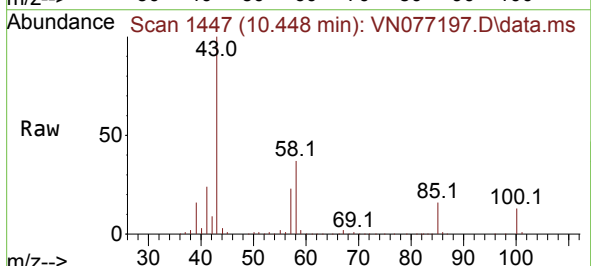
Tgt Ion: 43 Resp: 746483

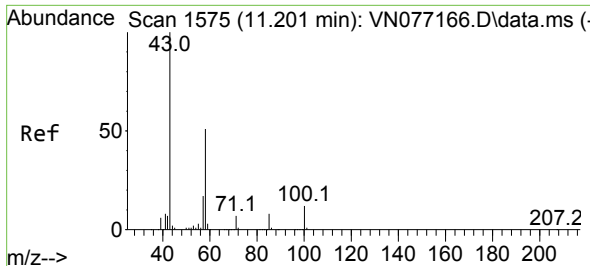
Ion Ratio Lower Upper

43 100

58 36.7 28.6 42.8

85 16.1 11.8 17.8

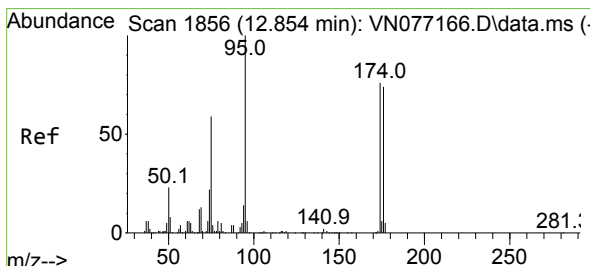
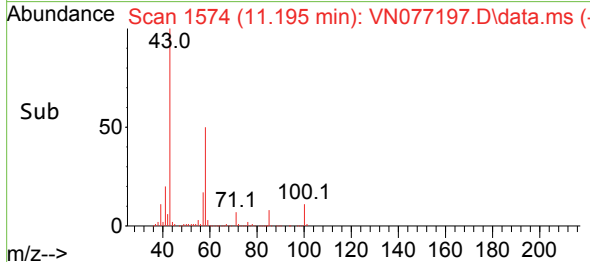
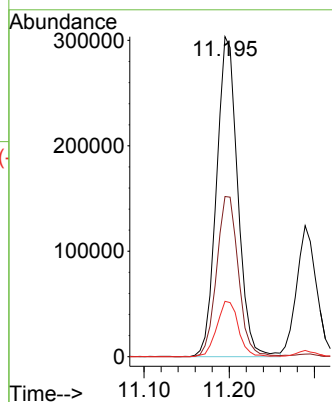
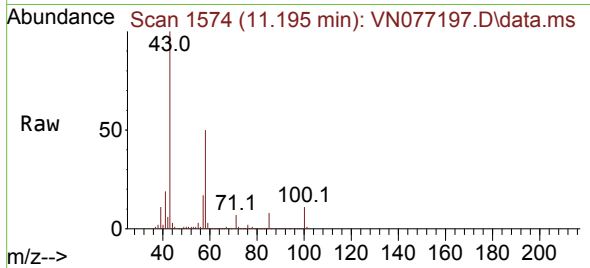




#59
2-Hexanone
Concen: 88.586 ug/l
RT: 11.195 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

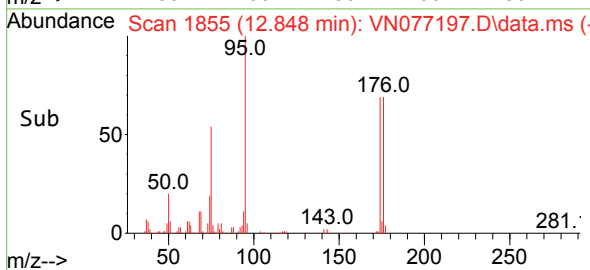
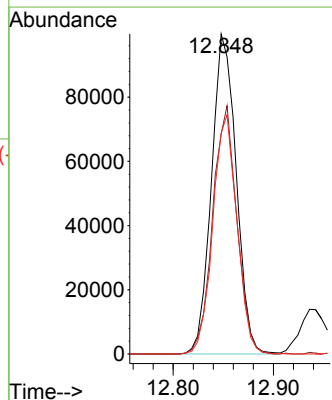
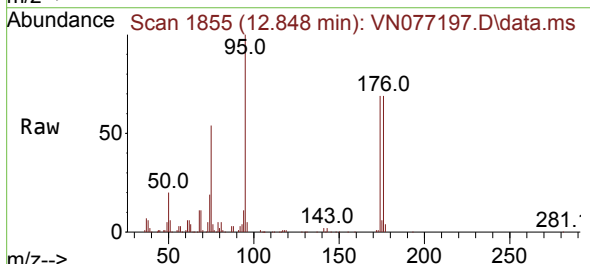
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

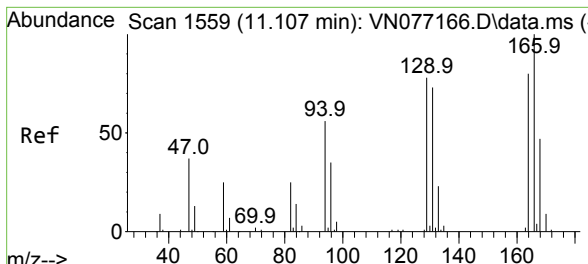
Tgt Ion: 43 Resp: 525207
Ion Ratio Lower Upper
43 100
58 51.4 40.6 60.8
57 17.6 13.1 19.7



#60
4-Bromofluorobenzene
Concen: 30.155 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 95 Resp: 170675
Ion Ratio Lower Upper
95 100
174 75.9 64.2 96.4
176 73.0 61.4 92.0



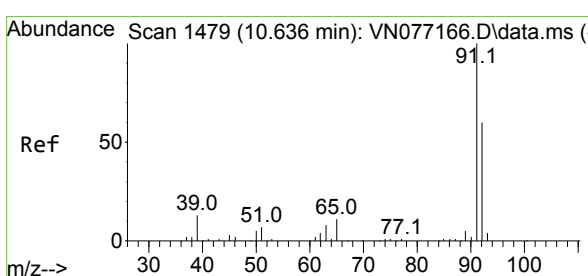
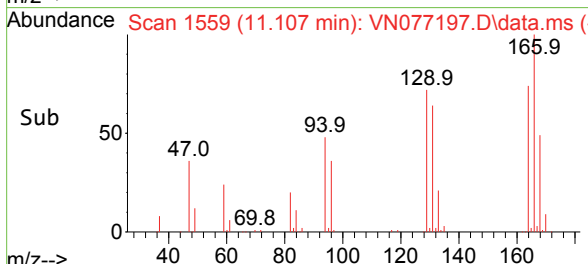
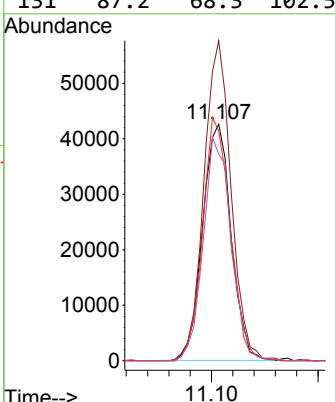
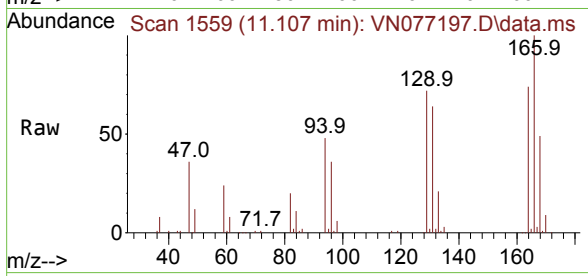


#61
 Tetrachloroethene
 Concen: 20.077 ug/l
 RT: 11.107 min Scan# 1559
 Delta R.T. -0.000 min
 Lab File: VN077197.D
 Acq: 27 Mar 2023 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:164 Resp: 79386

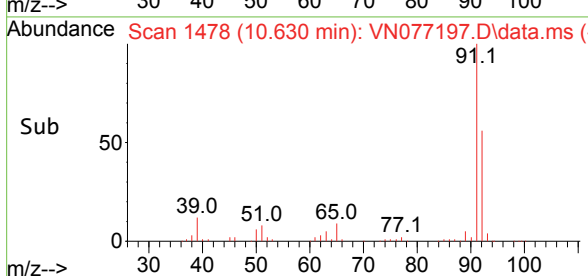
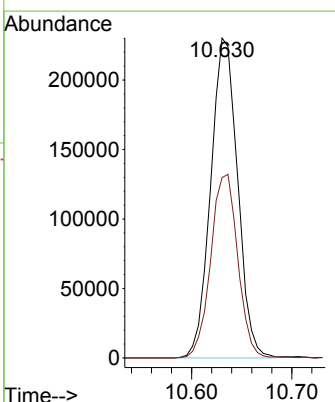
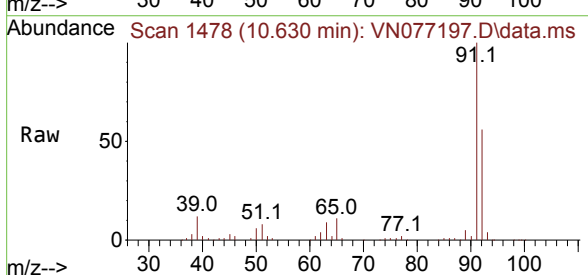
Ion	Ratio	Lower	Upper
164	100		
166	134.7	96.2	144.2
129	97.1	78.2	117.4
131	87.2	68.3	102.5

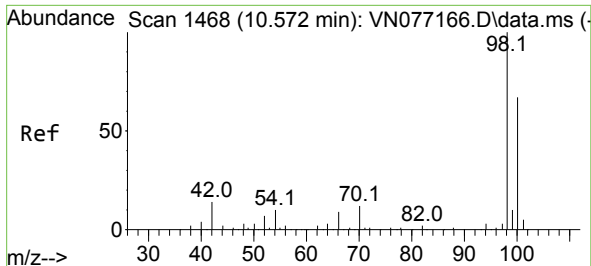


#62
 Toluene
 Concen: 19.377 ug/l
 RT: 10.630 min Scan# 1478
 Delta R.T. -0.006 min
 Lab File: VN077197.D
 Acq: 27 Mar 2023 11:08

Tgt Ion: 91 Resp: 429049

Ion	Ratio	Lower	Upper
91	100		
92	57.8	46.3	69.5

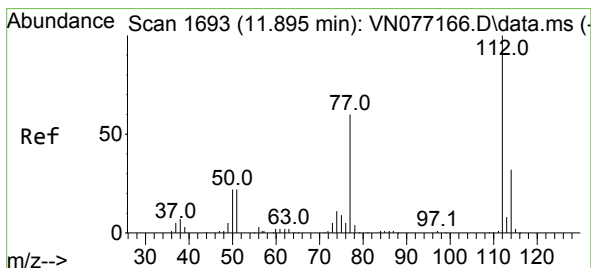
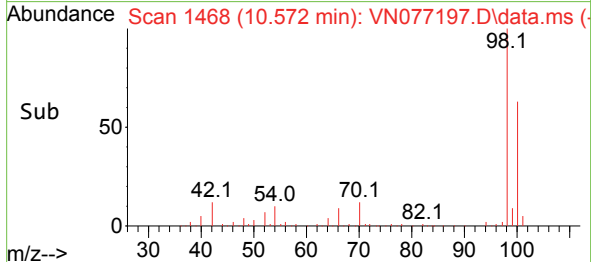
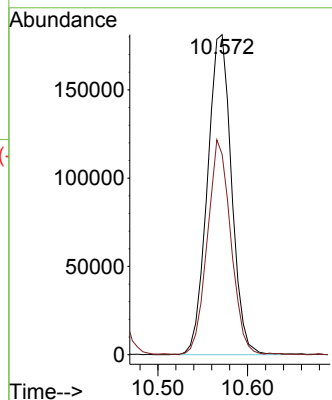
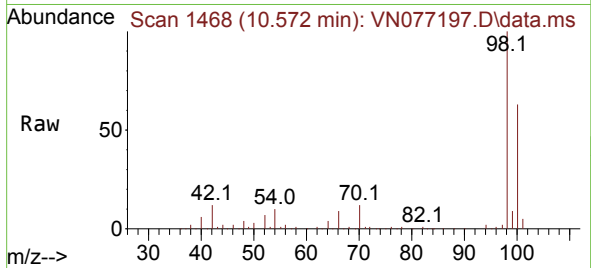




#63
Toluene-d8
Concen: 30.118 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

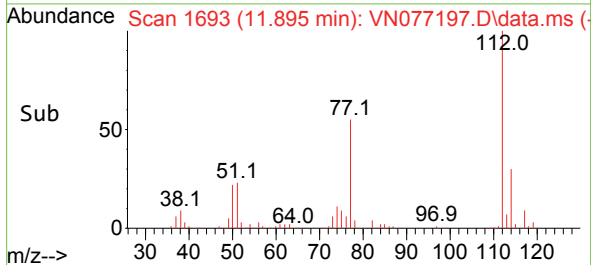
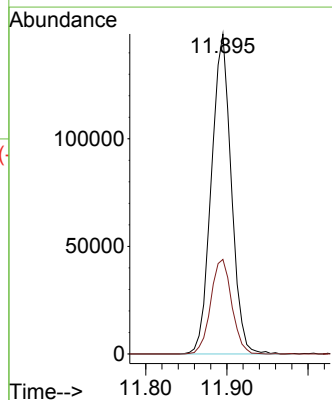
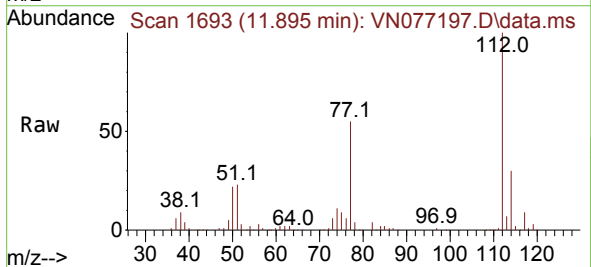
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

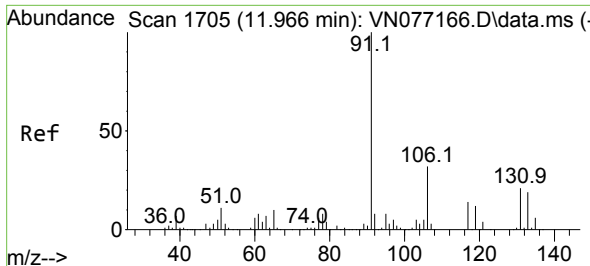
Tgt Ion: 98 Resp: 338717
Ion Ratio Lower Upper
98 100
100 65.1 53.8 80.6



#64
Chlorobenzene
Concen: 19.316 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 112 Resp: 253047
Ion Ratio Lower Upper
112 100
114 29.6 24.5 36.7

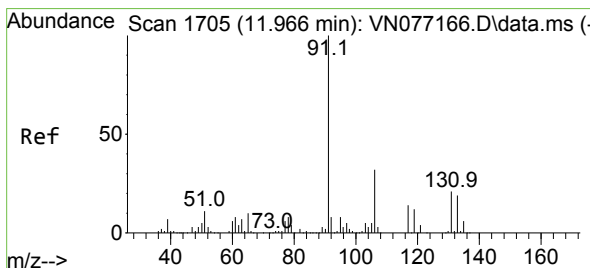
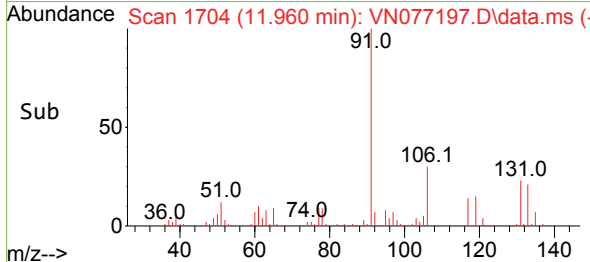
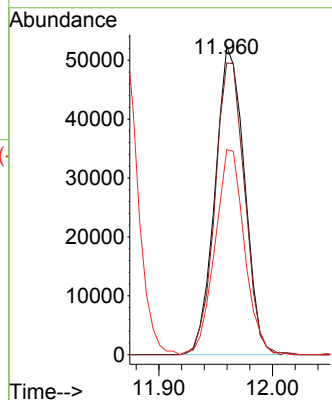
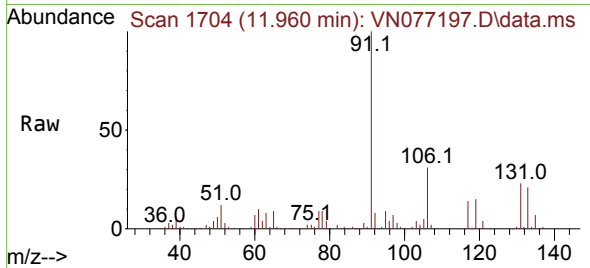




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.542 ug/l
 RT: 11.960 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VN077197.D
 Acq: 27 Mar 2023 11:08

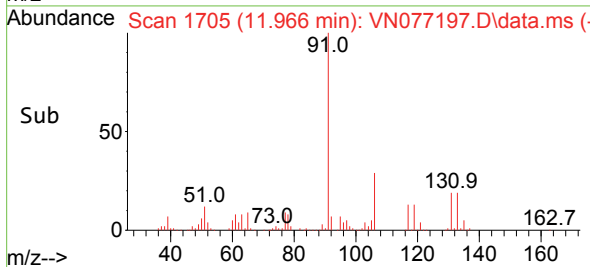
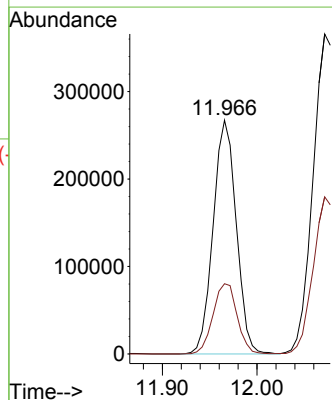
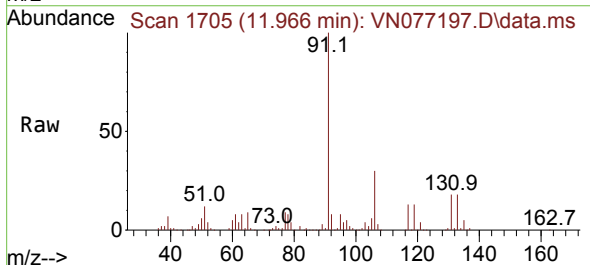
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

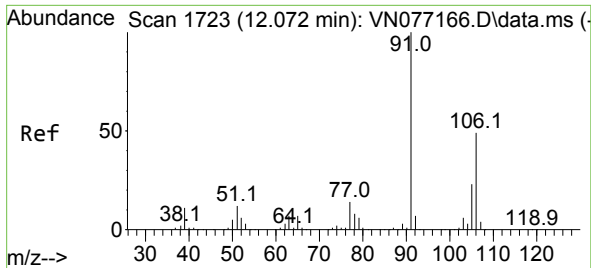
Tgt Ion:131 Resp: 94017
 Ion Ratio Lower Upper
 131 100
 133 95.6 0.0 197.6
 119 66.6 0.0 127.8



#66
 Ethyl Benzene
 Concen: 19.036 ug/l
 RT: 11.966 min Scan# 1705
 Delta R.T. -0.000 min
 Lab File: VN077197.D
 Acq: 27 Mar 2023 11:08

Tgt Ion: 91 Resp: 452917
 Ion Ratio Lower Upper
 91 100
 106 30.0 23.8 35.8

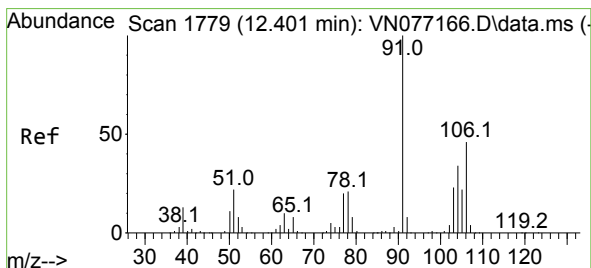
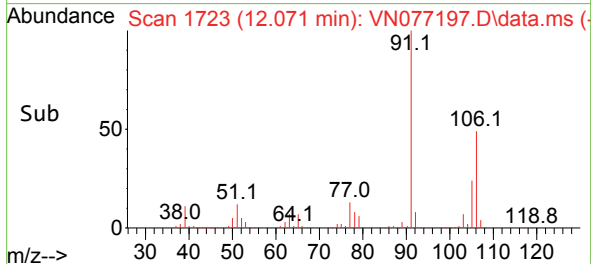
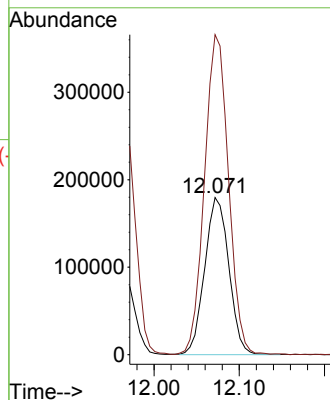
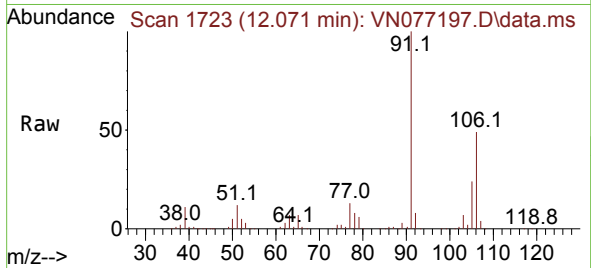




#67
m/p-Xylenes
Concen: 38.668 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.001 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

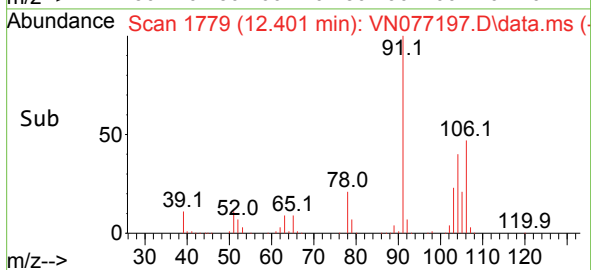
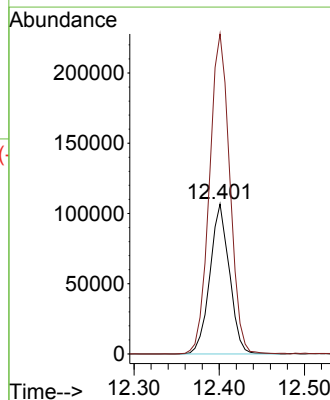
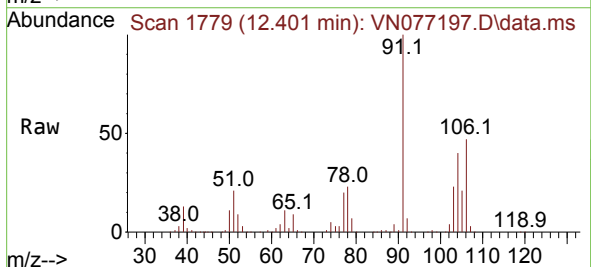
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

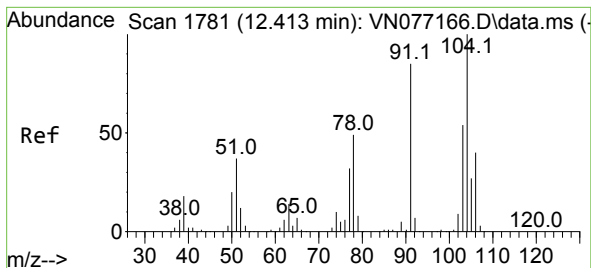
Tgt Ion:106 Resp: 354049
Ion Ratio Lower Upper
106 100
91 201.8 157.4 236.2



#68
o-Xylene
Concen: 18.906 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion:106 Resp: 169485
Ion Ratio Lower Upper
106 100
91 223.0 107.2 321.6





#69

Styrene

Concen: 18.945 ug/l

RT: 12.413 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

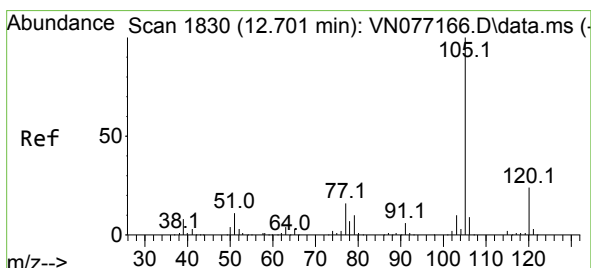
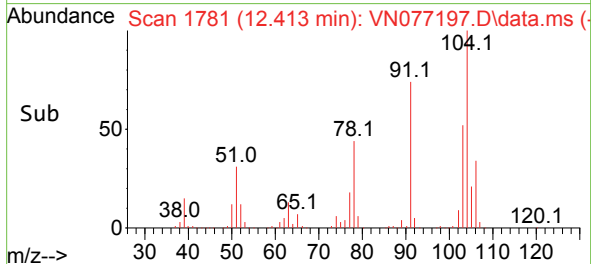
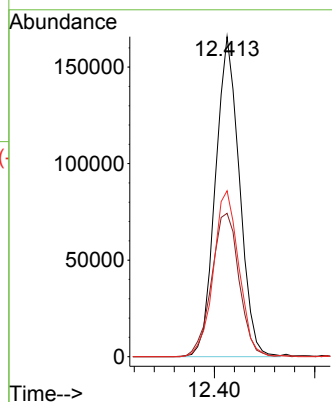
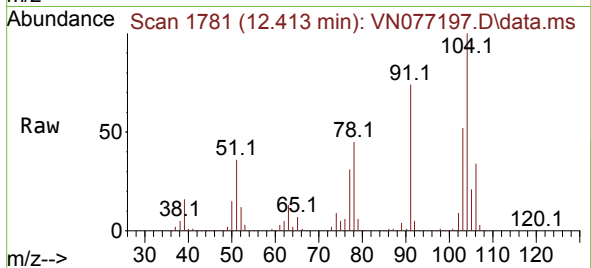
Tgt Ion:104 Resp: 275792

Ion Ratio Lower Upper

104 100

78 51.4 39.6 59.4

103 54.9 43.9 65.9



#70

Isopropylbenzene

Concen: 18.910 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN077197.D

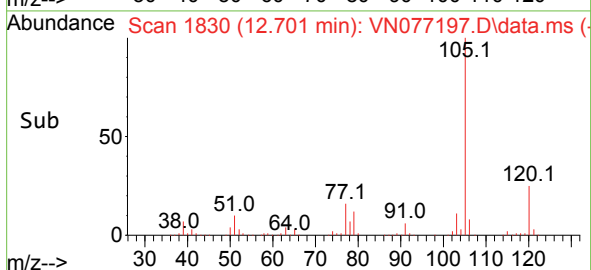
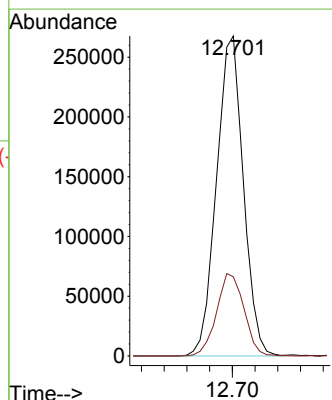
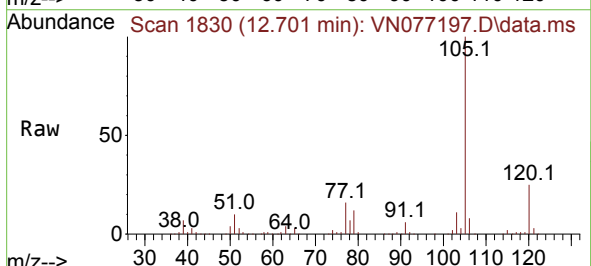
Acq: 27 Mar 2023 11:08

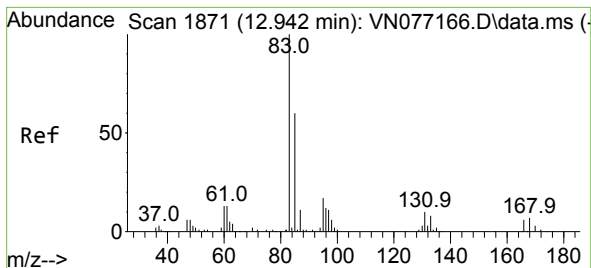
Tgt Ion:105 Resp: 439586

Ion Ratio Lower Upper

105 100

120 26.2 19.0 35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.028 ug/l

RT: 12.936 min Scan# 1870

Delta R.T. -0.006 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

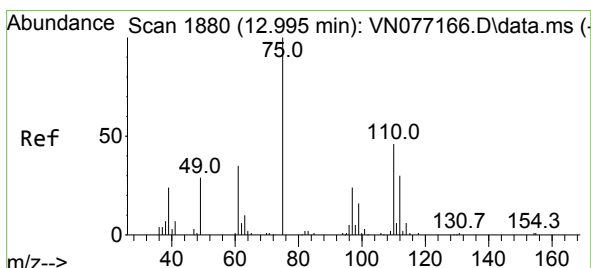
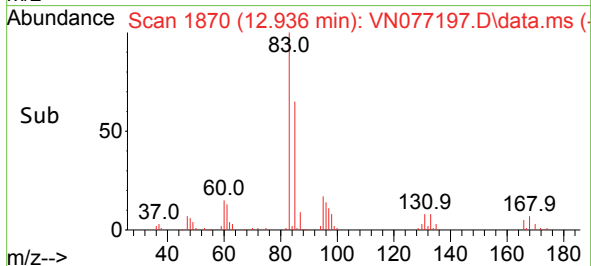
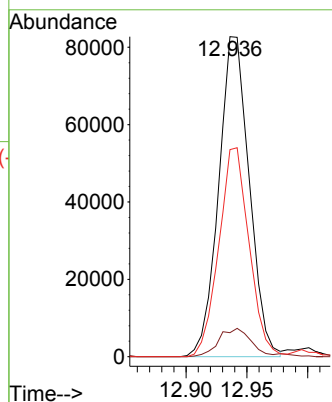
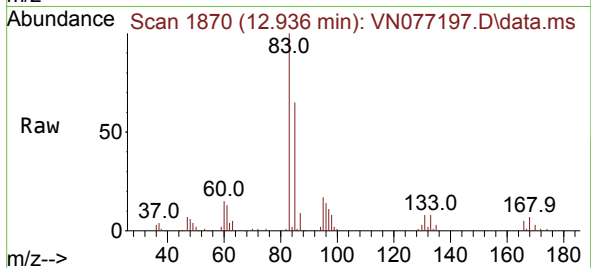
Tgt Ion: 83 Resp: 144790

Ion Ratio Lower Upper

83 100

131 9.3 5.0 14.9

85 64.7 32.3 96.9



#72

1,2,3-Trichloropropane

Concen: 25.979 ug/l

RT: 12.995 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN077197.D

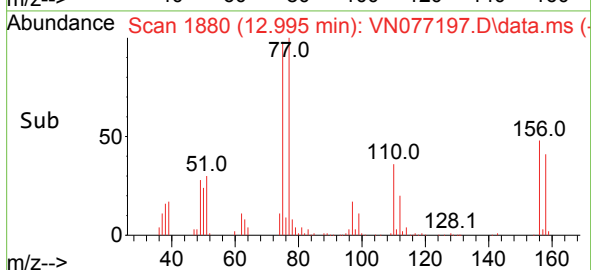
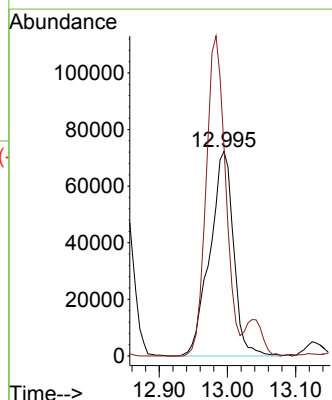
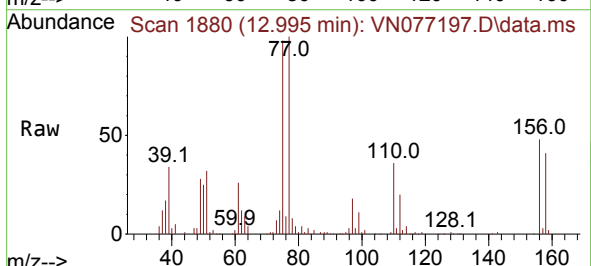
Acq: 27 Mar 2023 11:08

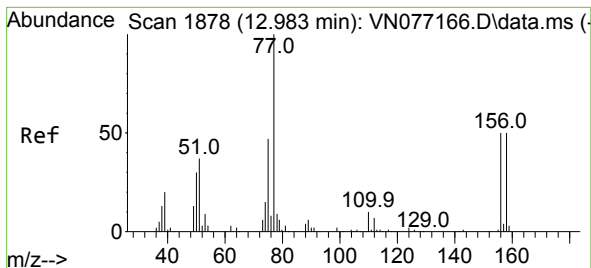
Tgt Ion: 75 Resp: 174977

Ion Ratio Lower Upper

75 100

77 128.1 0.0 332.6





#73

Bromobenzene

Concen: 20.002 ug/l

RT: 12.983 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

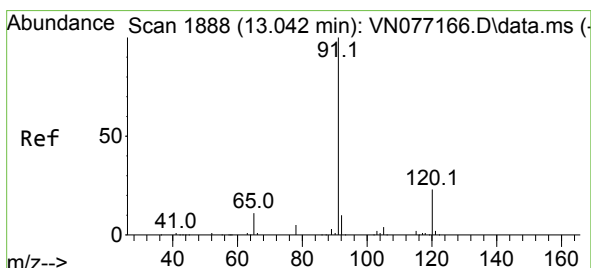
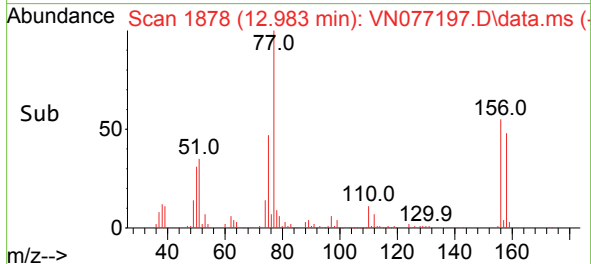
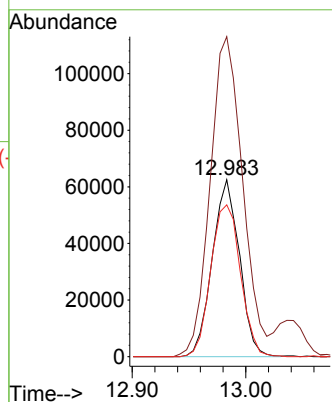
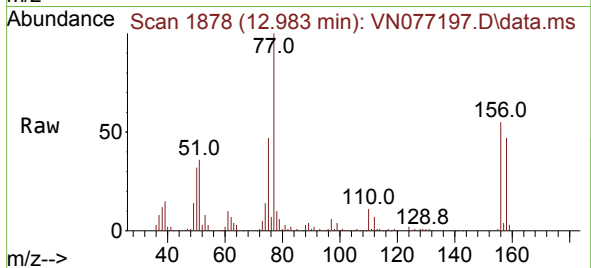
Tgt Ion:156 Resp: 103953

Ion Ratio Lower Upper

156 100

77 215.6 0.0 423.0

158 93.9 0.0 188.6



#74

n-propylbenzene

Concen: 19.180 ug/l

RT: 13.036 min Scan# 1887

Delta R.T. -0.006 min

Lab File: VN077197.D

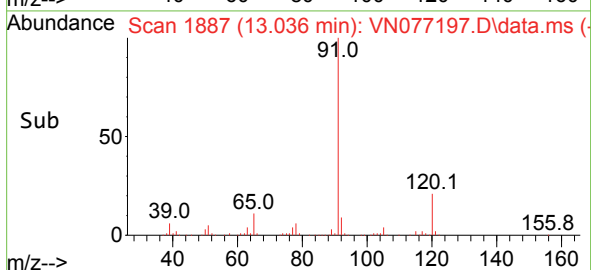
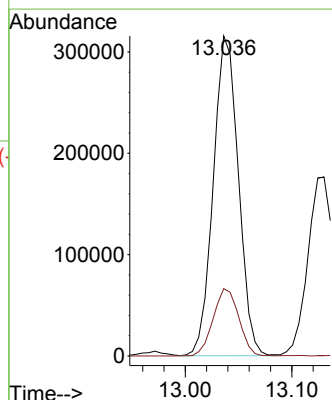
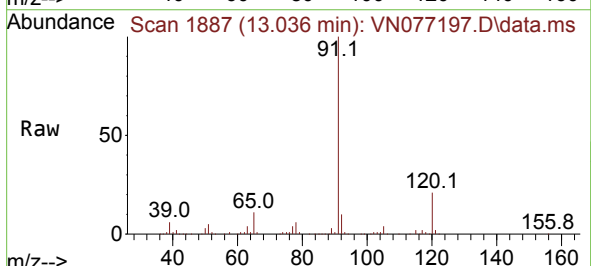
Acq: 27 Mar 2023 11:08

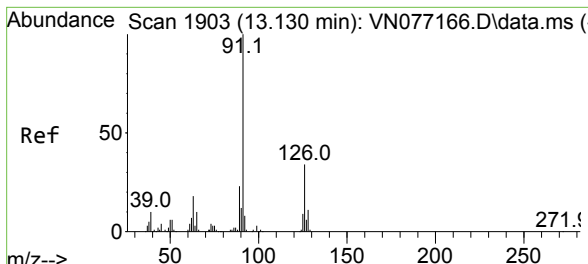
Tgt Ion: 91 Resp: 516193

Ion Ratio Lower Upper

91 100

120 21.4 0.0 44.0

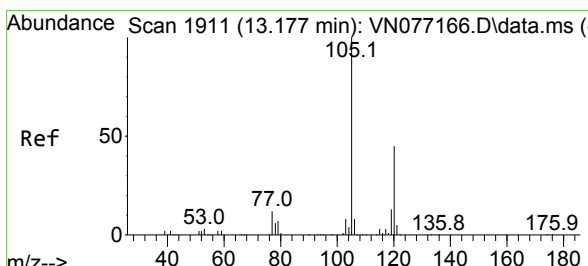
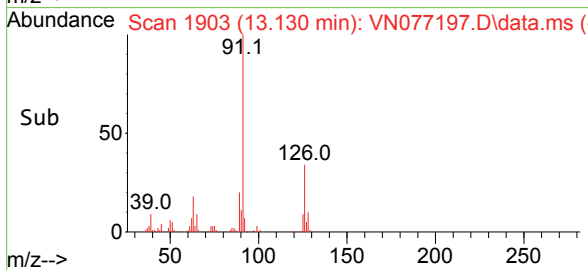
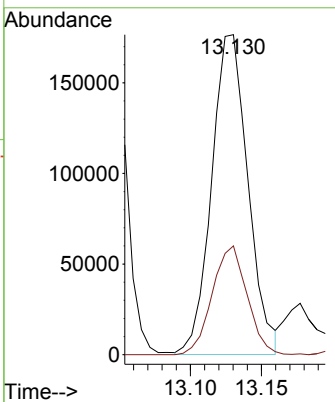
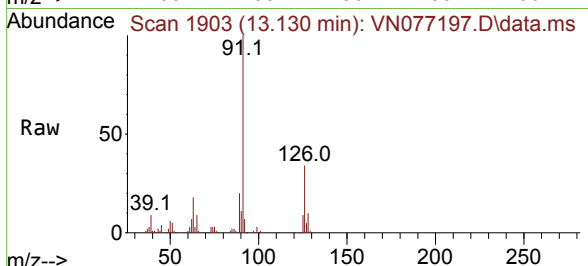




#75
 2-Chlorotoluene
 Concen: 19.374 ug/l
 RT: 13.130 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VN077197.D
 Acq: 27 Mar 2023 11:08

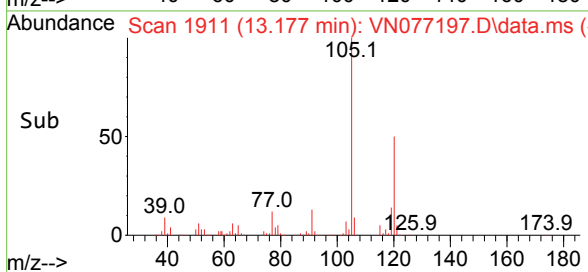
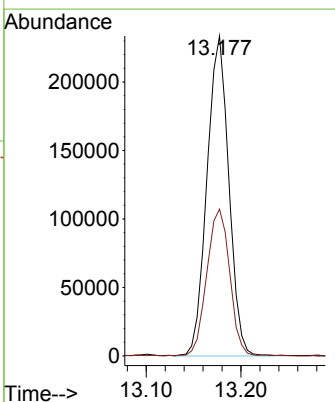
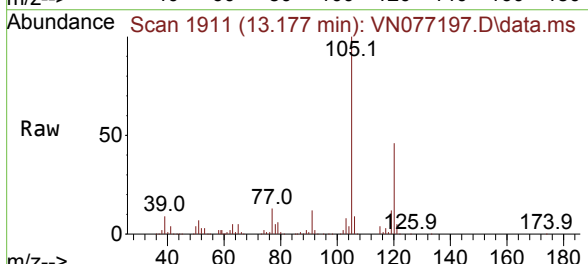
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

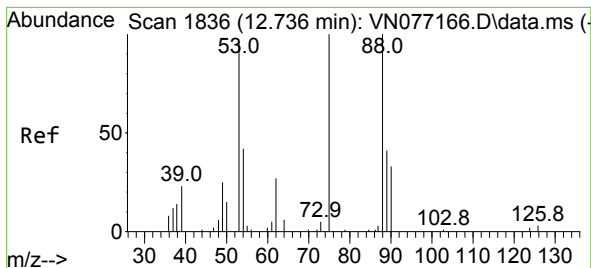
Tgt Ion:	91	Resp:	314381
Ion	Ratio	Lower	Upper
91	100		
126	32.5	0.0	66.4



#76
 1,3,5-Trimethylbenzene
 Concen: 19.387 ug/l
 RT: 13.177 min Scan# 1911
 Delta R.T. 0.000 min
 Lab File: VN077197.D
 Acq: 27 Mar 2023 11:08

Tgt Ion:	105	Resp:	374109
Ion	Ratio	Lower	Upper
105	100		
120	48.0	0.0	103.2

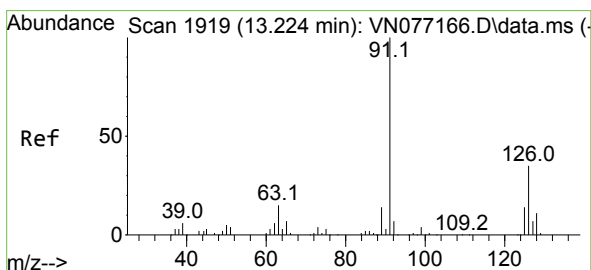
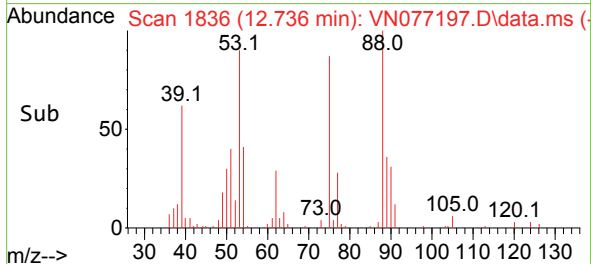
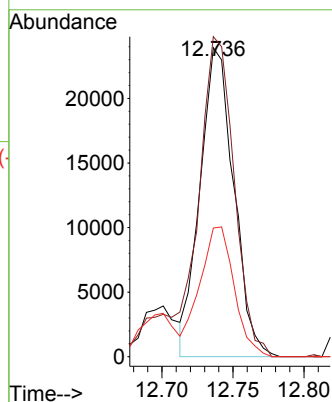
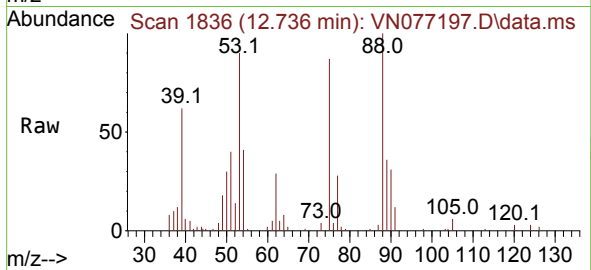




#77
t-1,4-Dichloro-2-butene
Concen: 18.404 ug/l
RT: 12.736 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

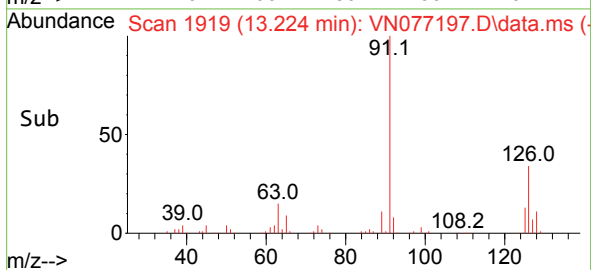
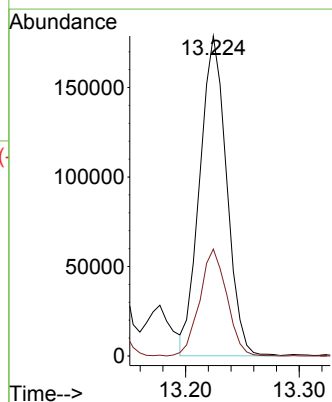
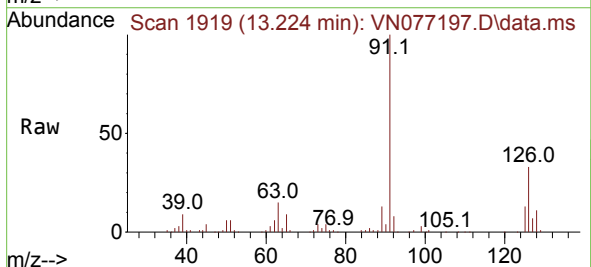
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

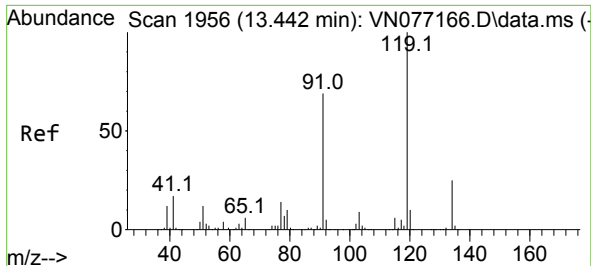
Tgt Ion: 75 Resp: 39514
Ion Ratio Lower Upper
75 100
53 103.6 50.4 151.3
89 41.6 22.1 66.5



#78
4-Chlorotoluene
Concen: 18.812 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 91 Resp: 293637
Ion Ratio Lower Upper
91 100
126 33.8 0.0 70.6





#79

tert-butylbenzene

Concen: 19.195 ug/l

RT: 13.442 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

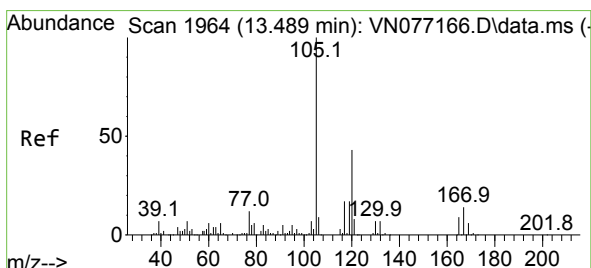
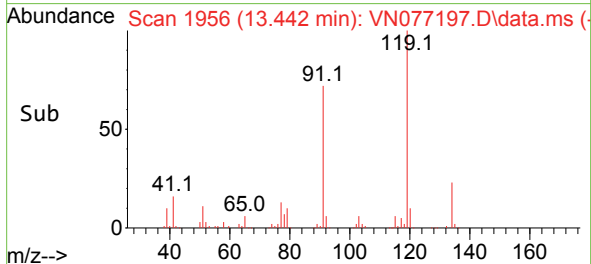
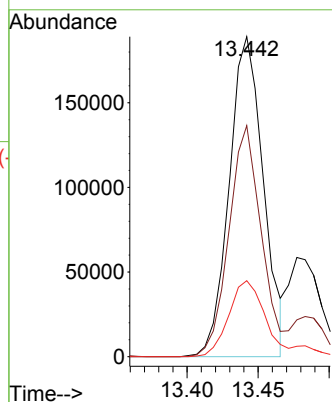
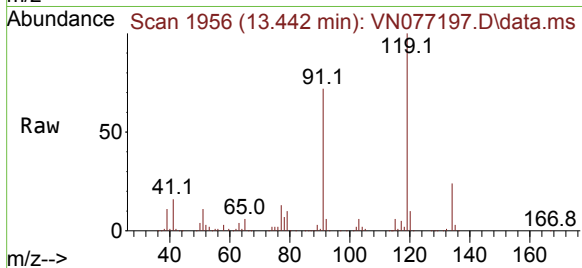
Tgt Ion:119 Resp: 316418

Ion Ratio Lower Upper

119 100

91 68.2 0.0 129.6

134 24.9 0.0 47.8



#80

1,2,4-Trimethylbenzene

Concen: 19.297 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. -0.006 min

Lab File: VN077197.D

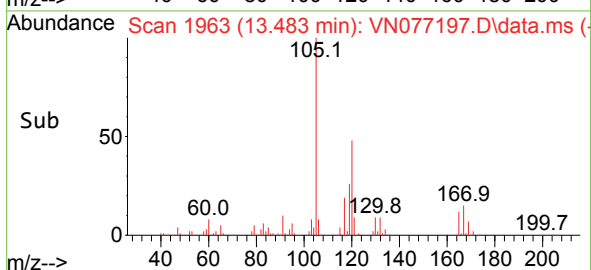
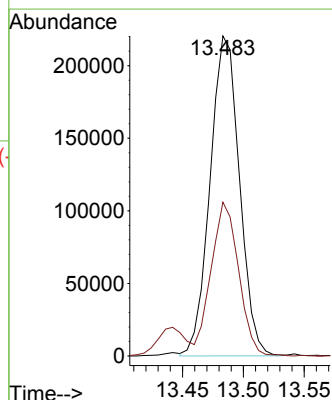
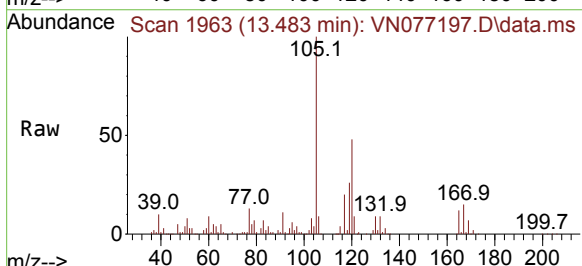
Acq: 27 Mar 2023 11:08

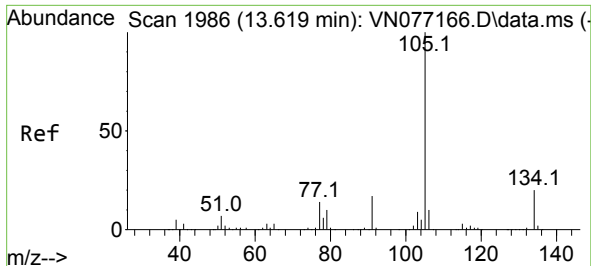
Tgt Ion:105 Resp: 369528

Ion Ratio Lower Upper

105 100

120 44.8 0.0 93.2

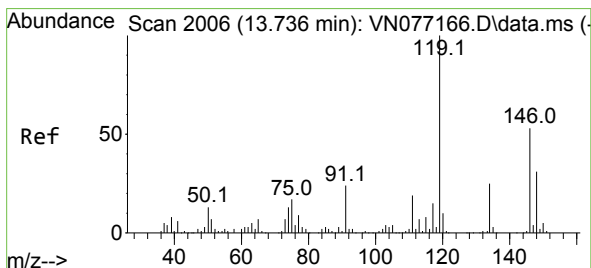
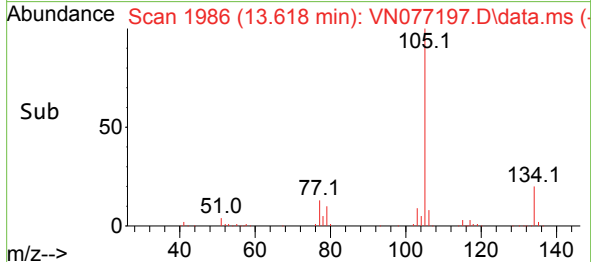
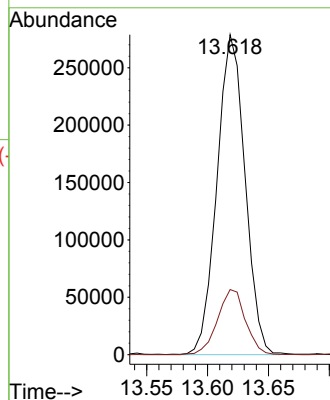
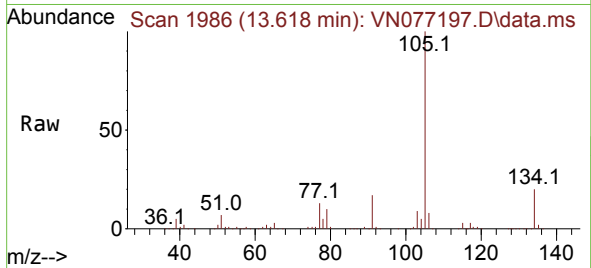




#81
 sec-Butylbenzene
 Concen: 18.758 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN077197.D
 Acq: 27 Mar 2023 11:08

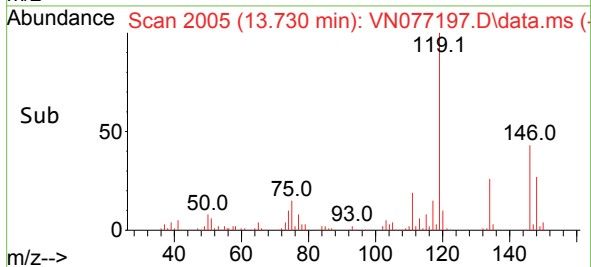
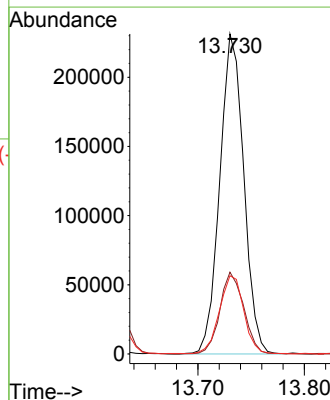
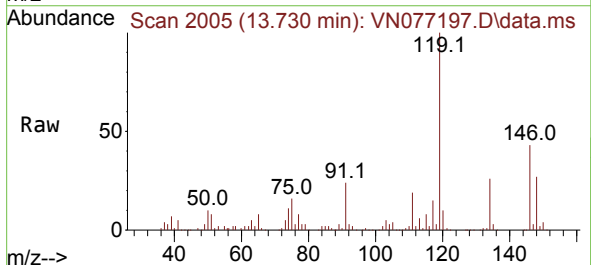
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 MSVOA_N
 ClientSampleId :
 VSTDCCC020

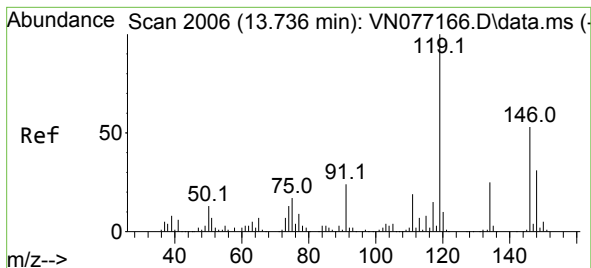
Tgt Ion:105 Resp: 446488
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 18.929 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. -0.006 min
 Lab File: VN077197.D
 Acq: 27 Mar 2023 11:08

Tgt Ion:119 Resp: 361170
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 53.4
 91 24.8 0.0 47.2





#83

1,3-Dichlorobenzene

Concen: 19.514 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

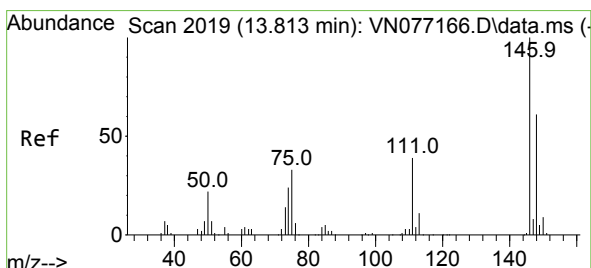
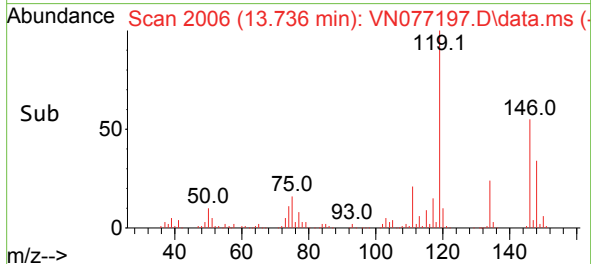
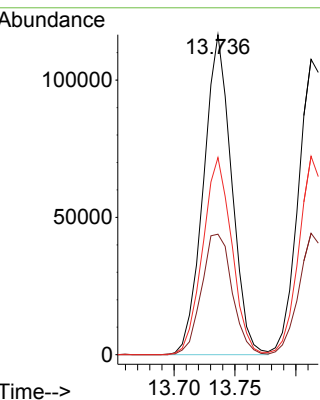
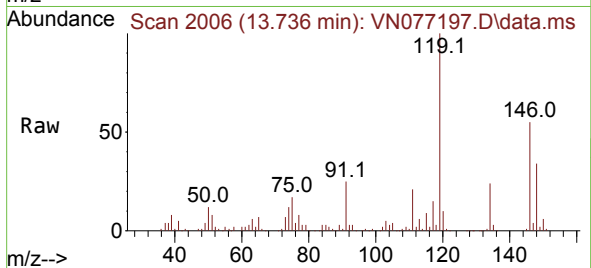
Tgt Ion:146 Resp: 187781

Ion Ratio Lower Upper

146 100

111 40.9 20.3 60.8

148 63.5 31.9 95.5



#84

1,4-Dichlorobenzene

Concen: 19.144 ug/l

RT: 13.813 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

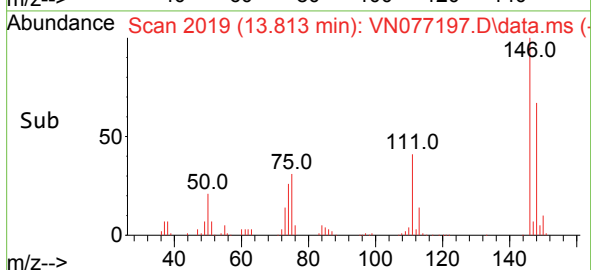
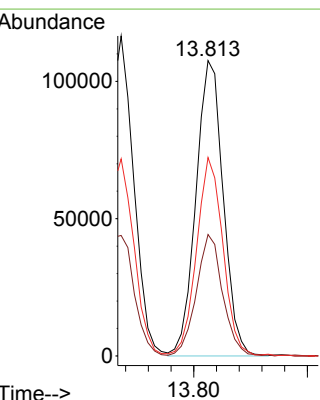
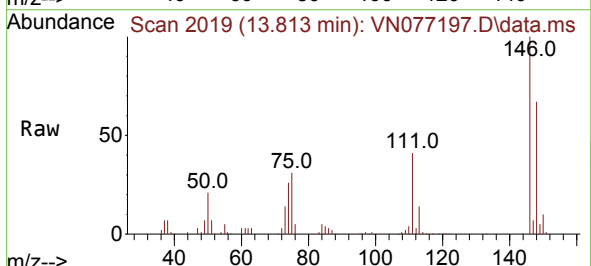
Tgt Ion:146 Resp: 179467

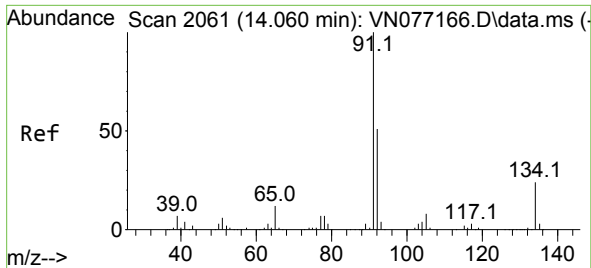
Ion Ratio Lower Upper

146 100

111 39.8 18.2 54.6

148 64.9 31.1 93.2

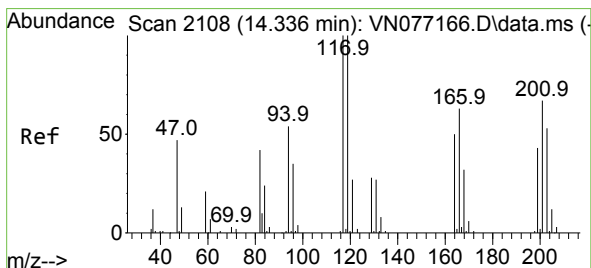
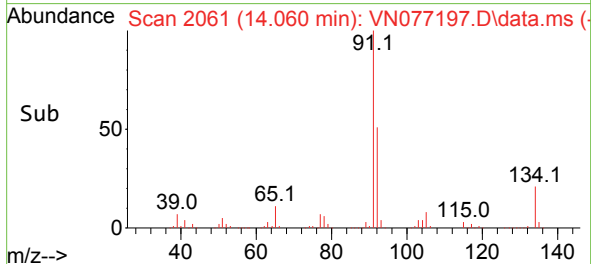
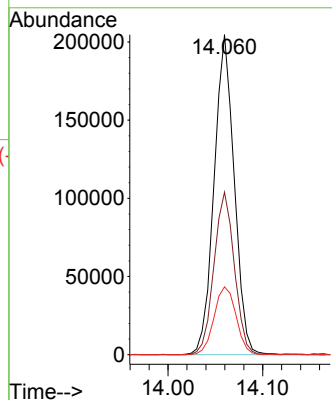
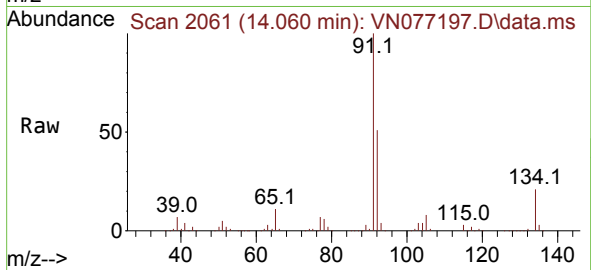




#85
n-Butylbenzene
Concen: 18.743 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

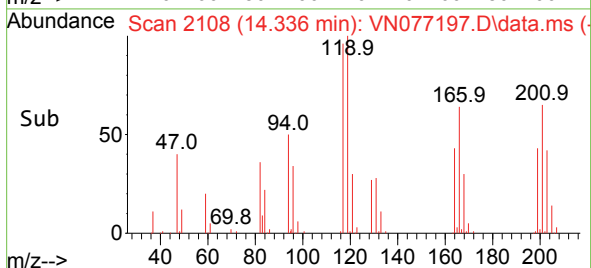
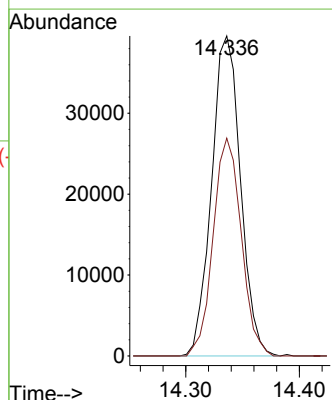
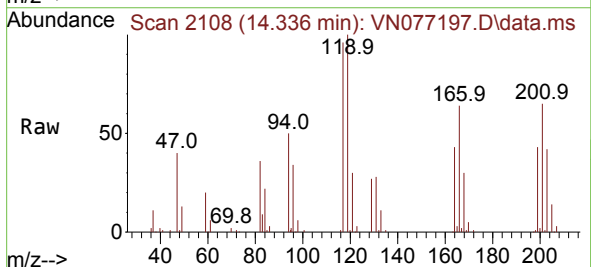
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

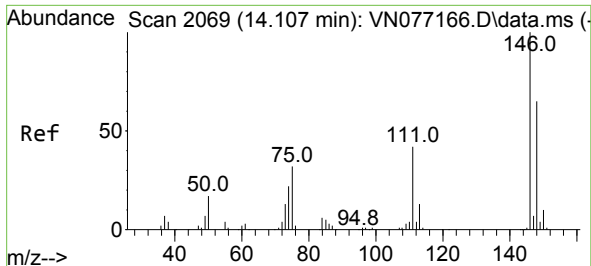
Tgt Ion: 91 Resp: 302285
Ion Ratio Lower Upper
91 100
92 51.5 0.0 103.2
134 23.2 0.0 50.0



#86
Hexachloroethane
Concen: 19.266 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 117 Resp: 70099
Ion Ratio Lower Upper
117 100
201 66.1 32.2 96.6

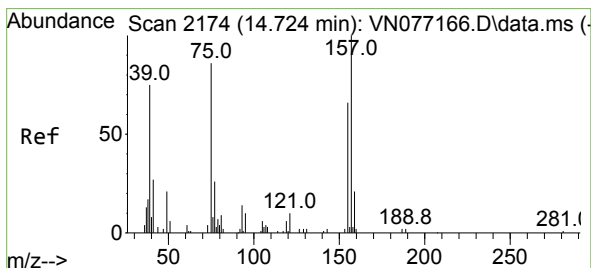
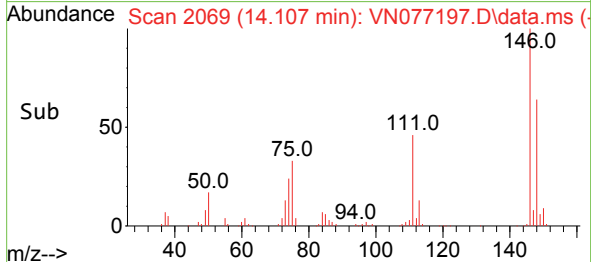
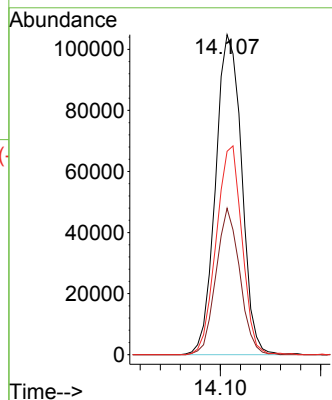
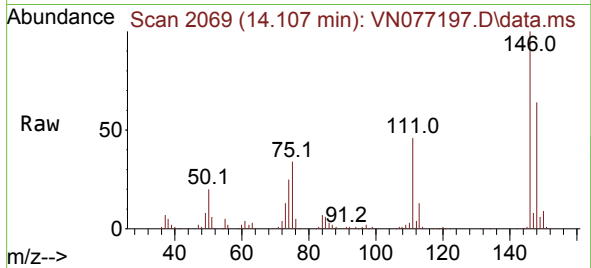




#87
1,2-Dichlorobenzene
Concen: 19.613 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

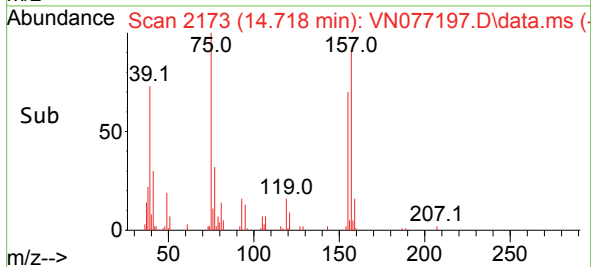
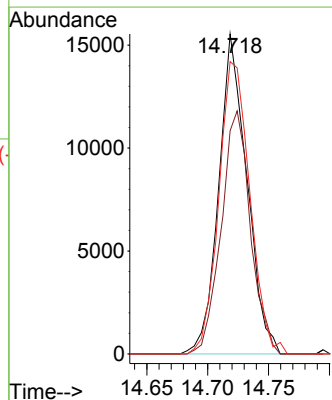
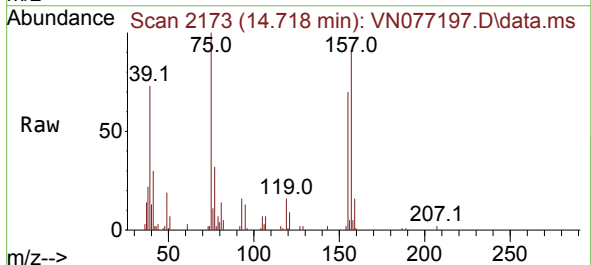
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

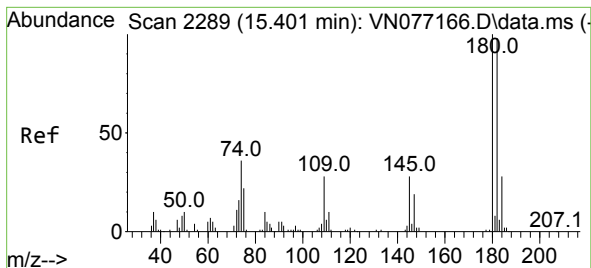
Tgt Ion:146 Resp: 188741
Ion Ratio Lower Upper
146 100
111 41.8 20.5 61.6
148 64.3 32.5 97.5



#88
1,2-Dibromo-3-Chloropropane
Concen: 17.189 ug/l
RT: 14.718 min Scan# 2173
Delta R.T. -0.006 min
Lab File: VN077197.D
Acq: 27 Mar 2023 11:08

Tgt Ion: 75 Resp: 25097
Ion Ratio Lower Upper
75 100
155 78.6 62.5 93.7
157 100.4 77.5 116.3





#89

1,2,4-Trichlorobenzene

Concen: 16.991 ug/l

RT: 15.395 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

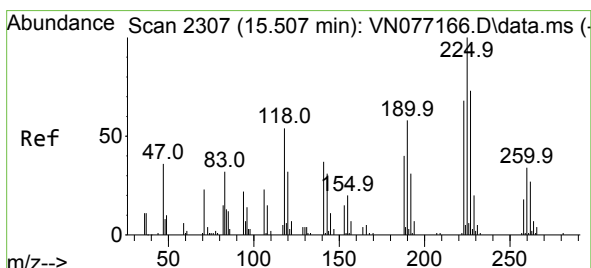
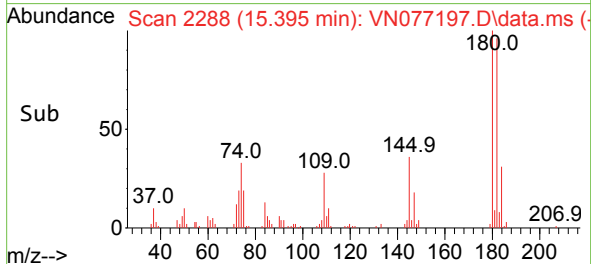
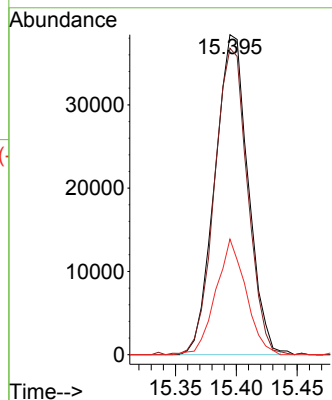
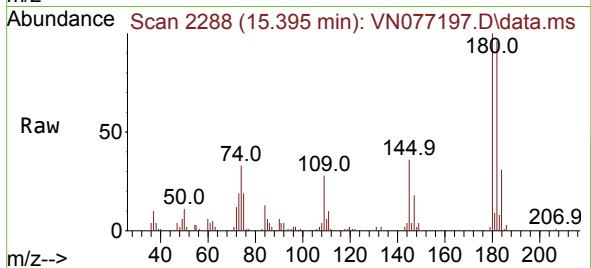
Tgt Ion:180 Resp: 72940

Ion Ratio Lower Upper

180 100

182 95.2 76.6 115.0

145 32.7 24.6 36.8



#90

Hexachlorobutadiene

Concen: 20.027 ug/l

RT: 15.501 min Scan# 2306

Delta R.T. -0.006 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

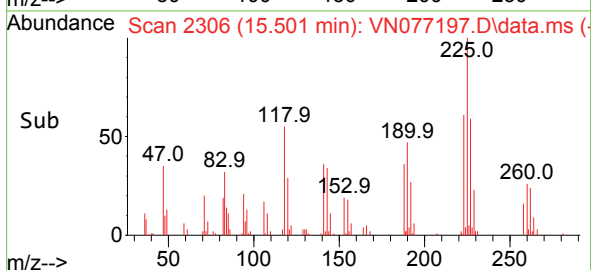
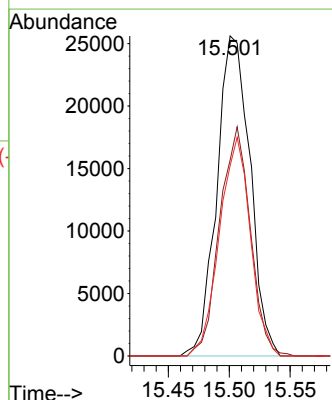
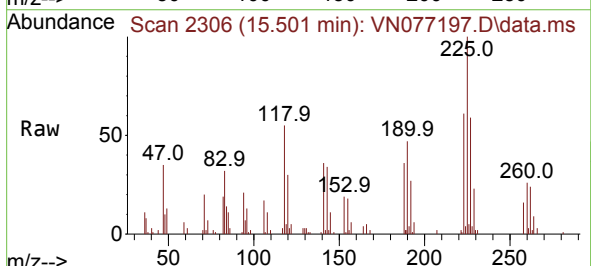
Tgt Ion:225 Resp: 48502

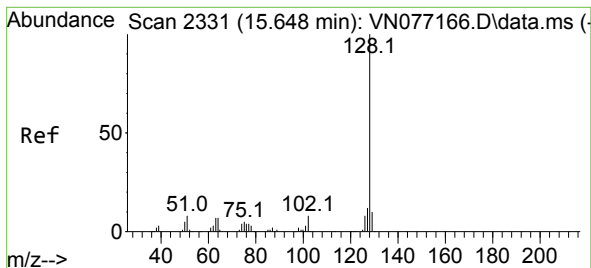
Ion Ratio Lower Upper

225 100

223 66.3 0.0 135.4

227 63.6 0.0 129.4





#91

Naphthalene

Concen: 15.818 ug/l

RT: 15.642 min Scan# 2331

Delta R.T. -0.006 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

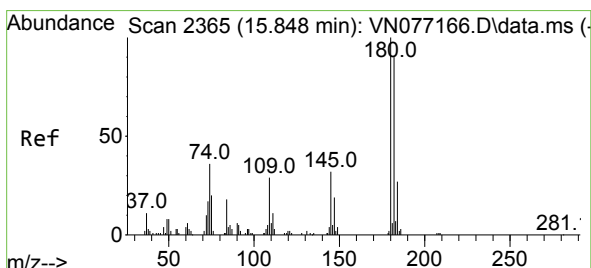
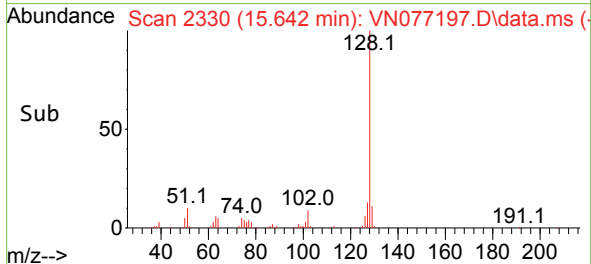
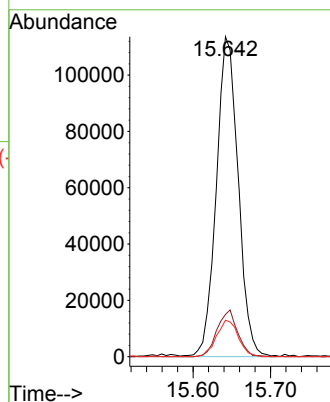
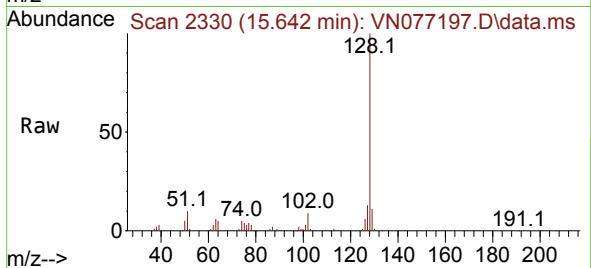
Tgt Ion:128 Resp: 222829

Ion Ratio Lower Upper

128 100

127 13.6 11.0 16.6

129 11.4 8.9 13.3



#92

1,2,3-Trichlorobenzene

Concen: 17.069 ug/l

RT: 15.848 min Scan# 2365

Delta R.T. -0.000 min

Lab File: VN077197.D

Acq: 27 Mar 2023 11:08

Tgt Ion:180 Resp: 72762

Ion Ratio Lower Upper

180 100

182 93.1 0.0 190.8

145 33.0 0.0 65.0

