

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077135.D
 Acq On : 23 Mar 2023 08:12
 Operator : JC\MD
 Sample : PB151586TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 09:30:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

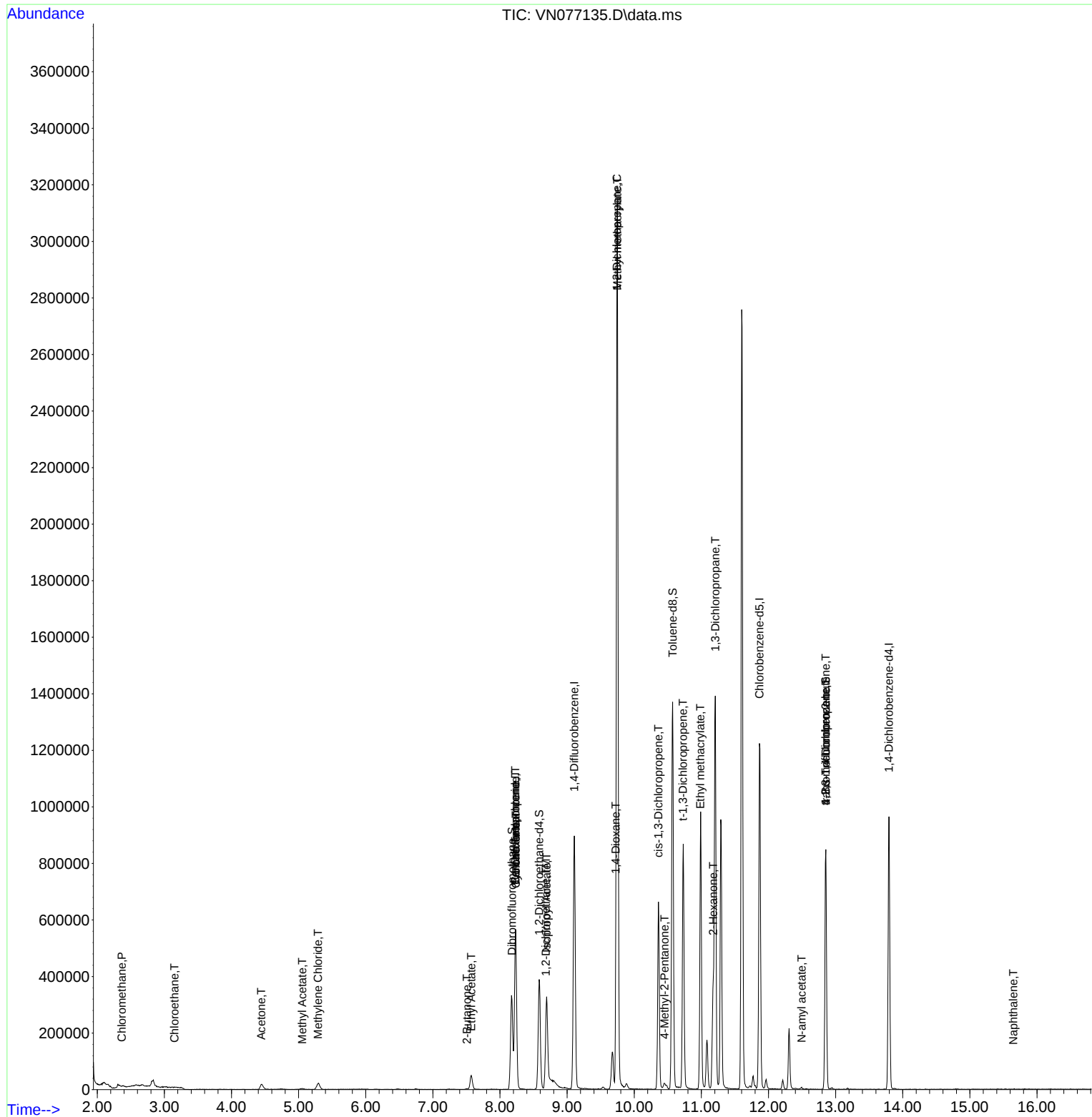
Internal Standards						
1) Pentafluorobenzene	8.230	168	393273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	726970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	670819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	243012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	311797	49.635	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.260%
35) Dibromofluoromethane	8.178	113	229598	45.098	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.200%
50) Toluene-d8	10.571	98	920370	50.609	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.220%
62) 4-Bromofluorobenzene	12.854	95	274029	42.642	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.366	50	994	0.251	ug/l #	43
6) Chloroethane	3.148	64	601	0.222	ug/l	95
16) Acetone	4.442	43	36039	12.875	ug/l	98
18) Methyl Acetate	5.054	43	6844	0.648	ug/l #	86
20) Methylene Chloride	5.289	84	16123	2.654	ug/l	93
25) 2-Butanone	7.507	43	3687	0.900	ug/l	97
31) Cyclohexane	8.236	56	11331	1.102	ug/l #	58
36) 1,1-Dichloropropene	8.230	75	37836	4.758	ug/l #	51
37) Ethyl Acetate	7.572	43	76582	9.001	ug/l	97
38) Carbon Tetrachloride	8.230	117	45857	5.921	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	2142	0.246	ug/l	90
43) Isopropyl Acetate	8.695	43	408910	30.767	ug/l #	83
45) 1,2-Dichloropropane	9.742	63	3404	0.531	ug/l #	43
48) Methyl methacrylate	9.748	41	303196	47.718	ug/l #	45
49) 1,4-Dioxane	9.724	88	80	0.737	ug/l #	21
51) 4-Methyl-2-Pentanone	10.454	43	25517	3.083	ug/l #	67
53) t-1,3-Dichloropropene	10.724	75	1921	0.231	ug/l #	43
54) cis-1,3-Dichloropropene	10.360	75	102949	10.988	ug/l #	75
56) Ethyl methacrylate	10.983	69	3622	0.424	ug/l #	1
57) 1,3-Dichloropropane	11.207	76	14840	1.428	ug/l #	43
59) 2-Hexanone	11.177	43	284390	47.375	ug/l #	24
74) N-amyl acetate	12.495	43	3136	0.333	ug/l #	44
76) 1,2,3-Trichloropropane	12.854	75	157055	24.986	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	157055	68.774	ug/l #	10
95) Naphthalene	15.648	128	377	1.934	ug/l #	70

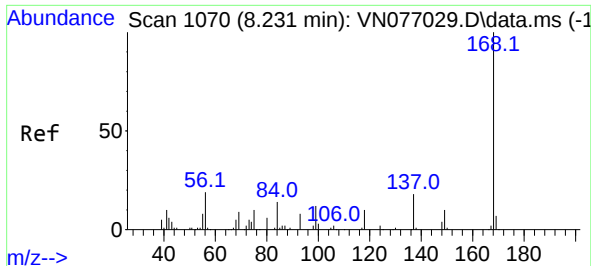
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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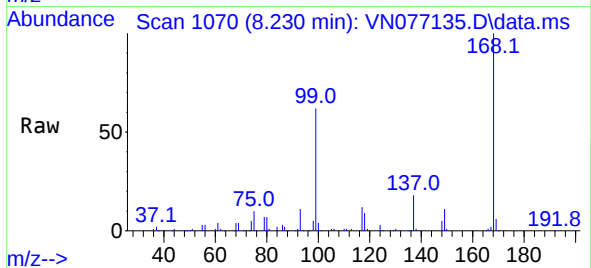
Quant Time: Mar 23 09:30:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 20 08:50:30 2023
Response via : Initial Calibration



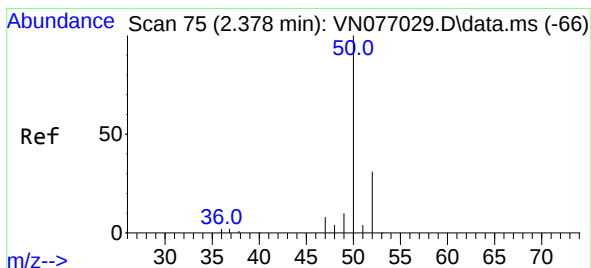
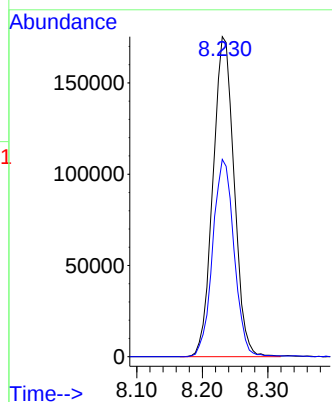
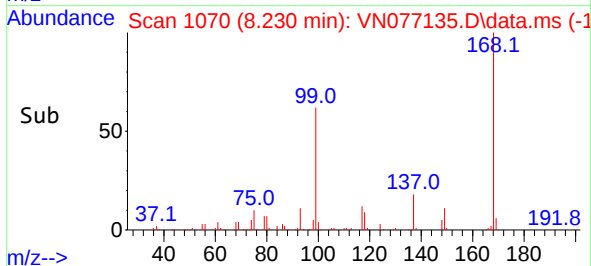


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Instrument :
MSVOA_N
ClientSampleId :

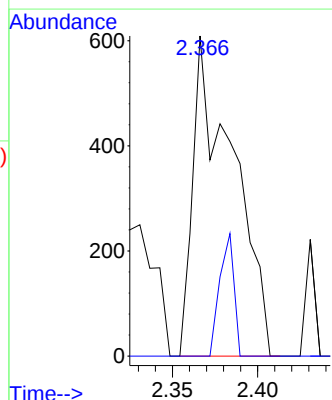
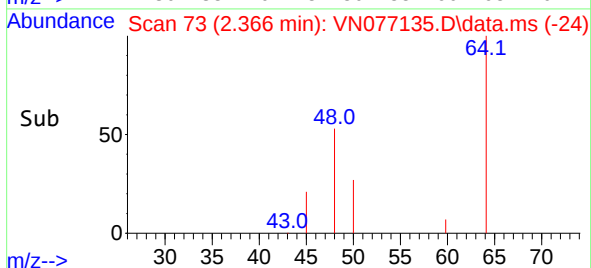
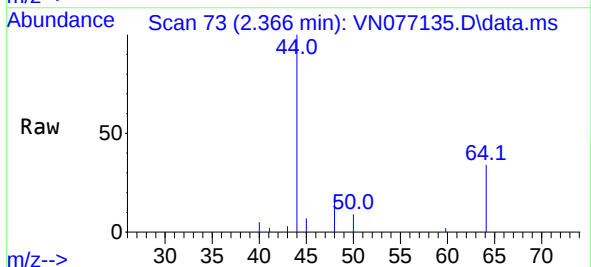


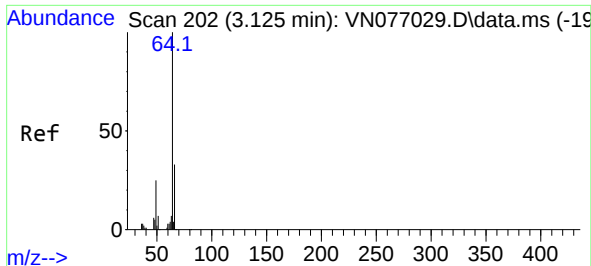
Tgt Ion:168 Resp: 393273
Ion Ratio Lower Upper
168 100
99 61.6 53.9 80.9



#3
Chloromethane
Concen: 0.251 ug/l
RT: 2.366 min Scan# 73
Delta R.T. -0.012 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

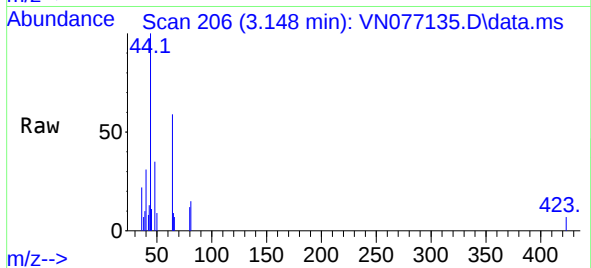
Tgt Ion: 50 Resp: 994
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#



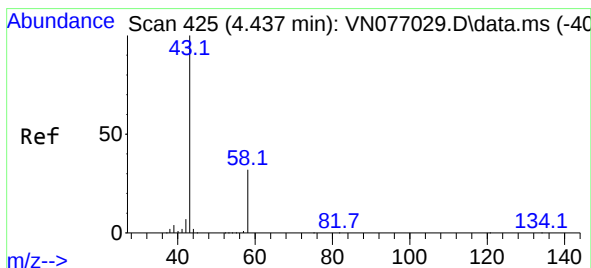
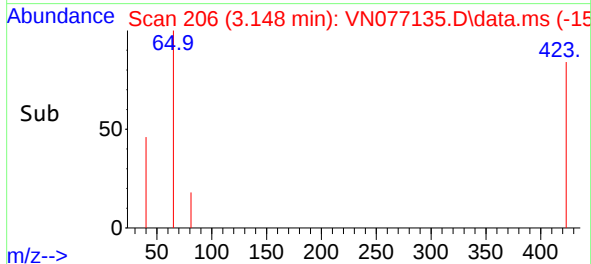
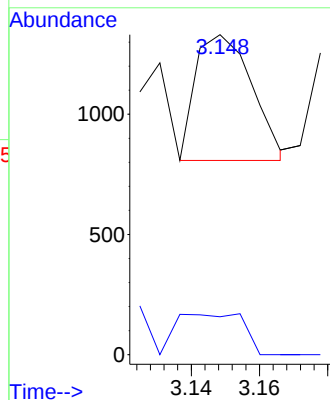


#6
Chloroethane
Concen: 0.222 ug/l
RT: 3.148 min Scan# 206
Delta R.T. 0.023 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Instrument :
MSVOA_N
ClientSampleId :

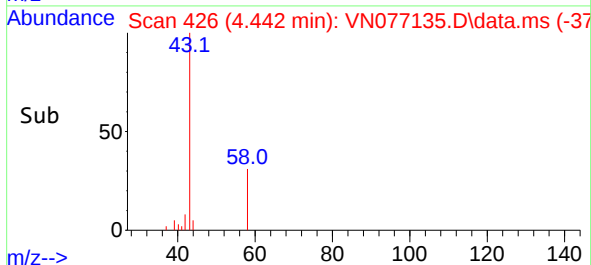
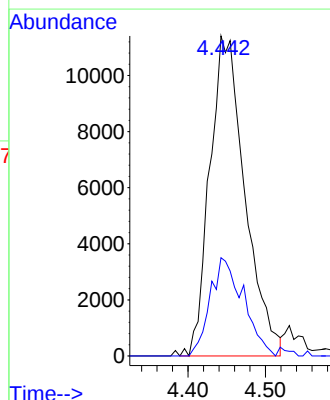
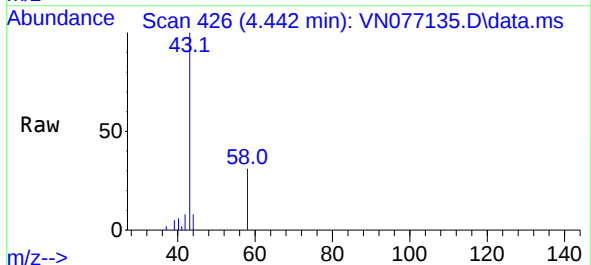


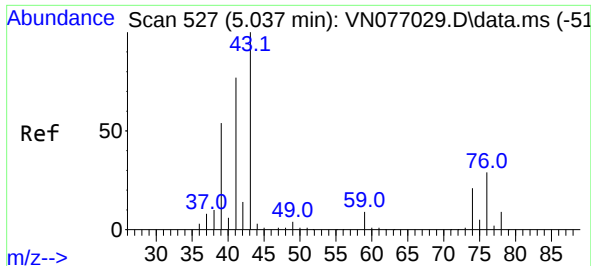
Tgt Ion: 64 Resp: 601
Ion Ratio Lower Upper
64 100
66 30.2 26.3 39.5



#16
Acetone
Concen: 12.875 ug/l
RT: 4.442 min Scan# 426
Delta R.T. 0.005 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

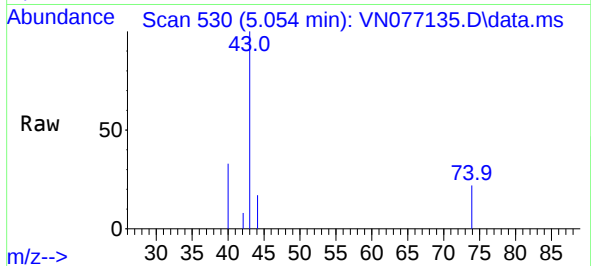
Tgt Ion: 43 Resp: 36039
Ion Ratio Lower Upper
43 100
58 30.7 25.4 38.0



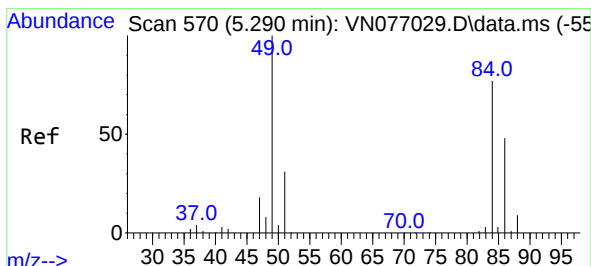
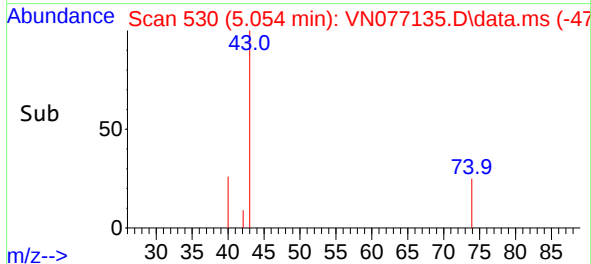
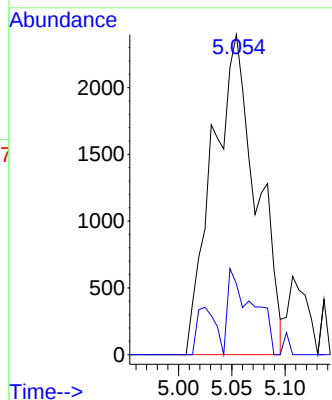


#18
Methyl Acetate
Concen: 0.648 ug/l
RT: 5.054 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Instrument :
MSVOA_N
ClientSampleId :

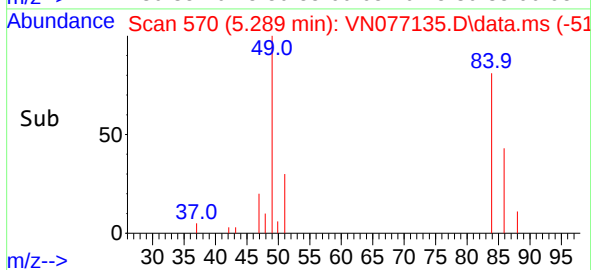
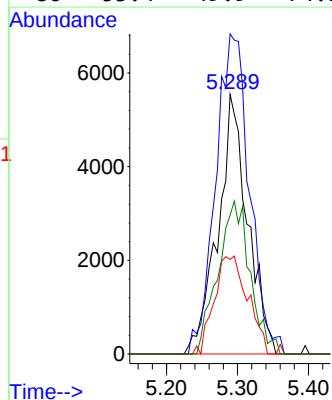
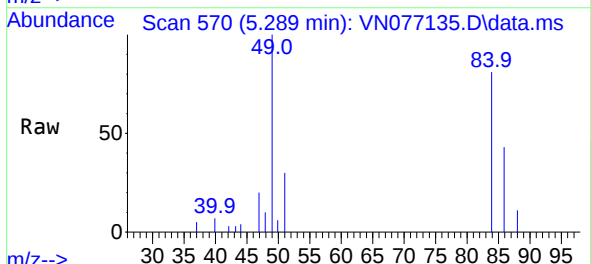


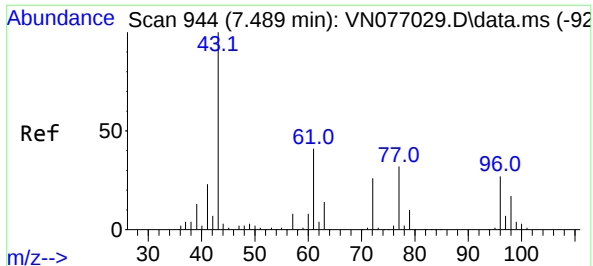
Tgt Ion: 43 Resp: 6844
Ion Ratio Lower Upper
43 100
74 15.4 17.7 26.5#



#20
Methylene Chloride
Concen: 2.654 ug/l
RT: 5.289 min Scan# 570
Delta R.T. -0.001 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Tgt Ion: 84 Resp: 16123
Ion Ratio Lower Upper
84 100
49 123.3 103.8 155.6
51 36.4 32.3 48.5
86 53.4 49.9 74.9

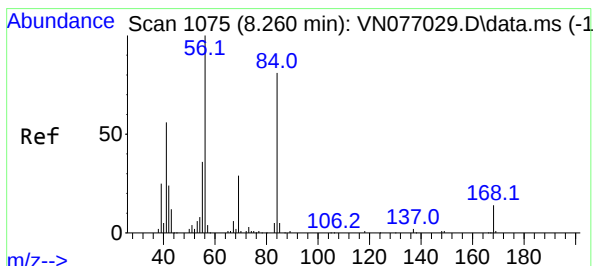
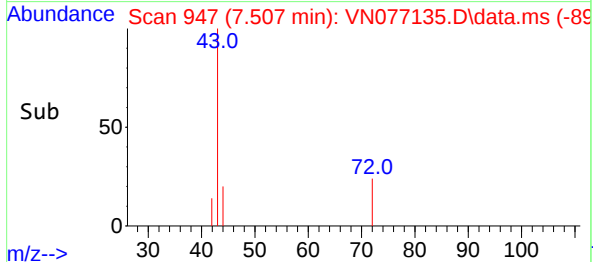
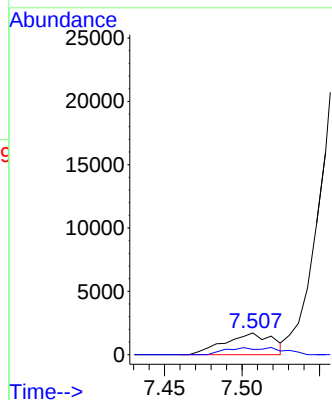
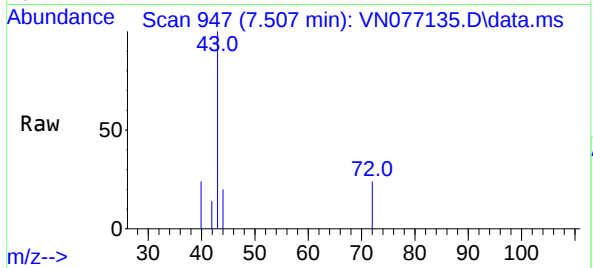




#25
2-Butanone
Concen: 0.900 ug/l
RT: 7.507 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

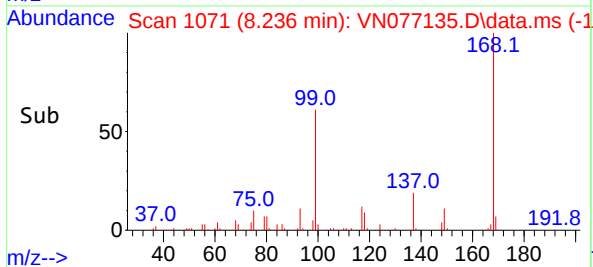
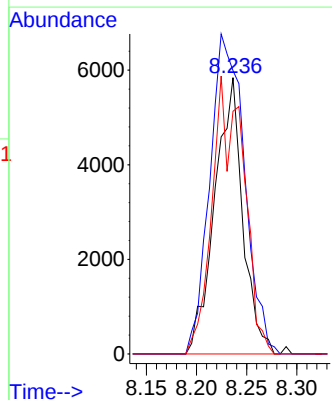
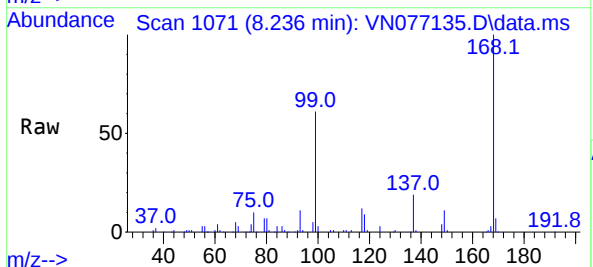
Instrument :
MSVOA_N
ClientSampleId :

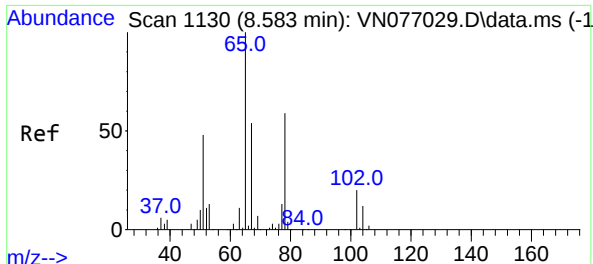
Tgt Ion: 43 Resp: 3687
Ion Ratio Lower Upper
43 100
72 24.3 20.7 31.1



#31
Cyclohexane
Concen: 1.102 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Tgt Ion: 56 Resp: 11331
Ion Ratio Lower Upper
56 100
69 102.6 22.8 34.2#
84 87.8 64.7 97.1

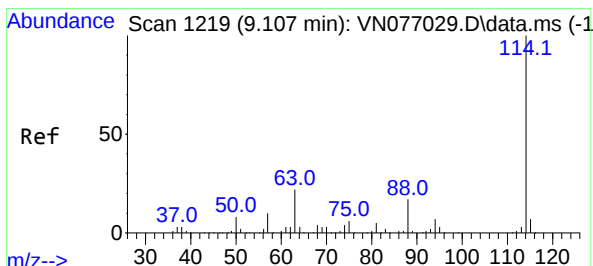
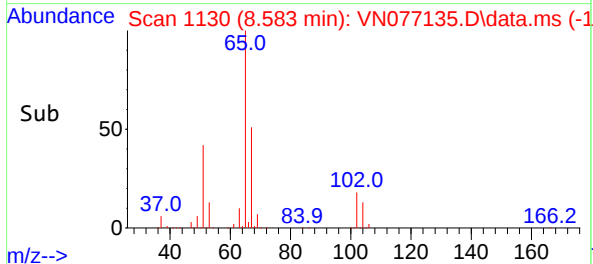
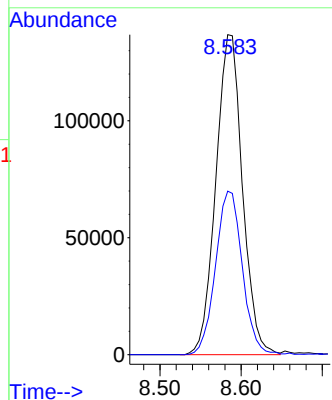
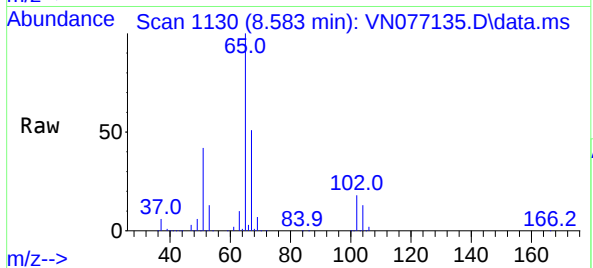




#33
1,2-Dichloroethane-d4
Concen: 49.635 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

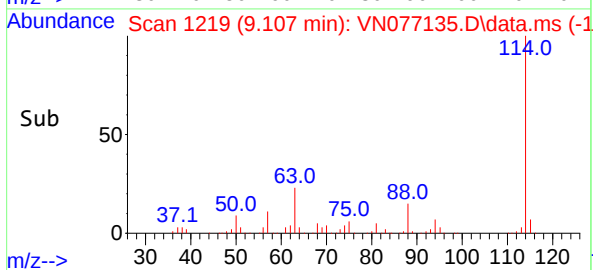
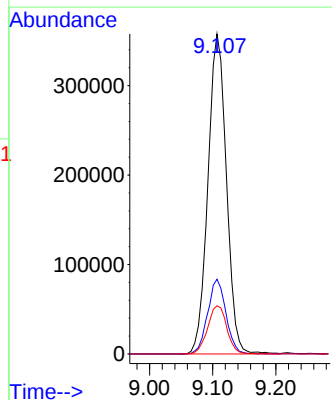
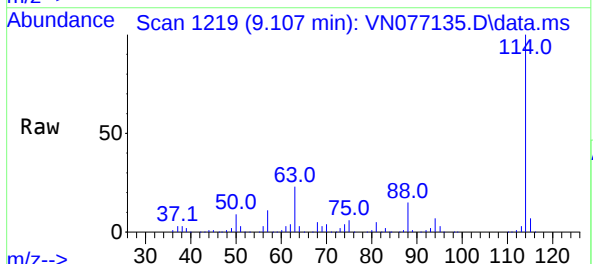
Instrument :
MSVOA_N
ClientSampleId :

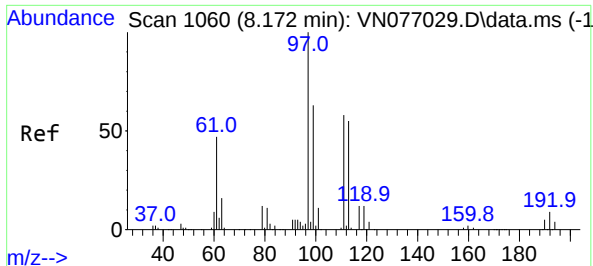
Tgt Ion: 65 Resp: 311797
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

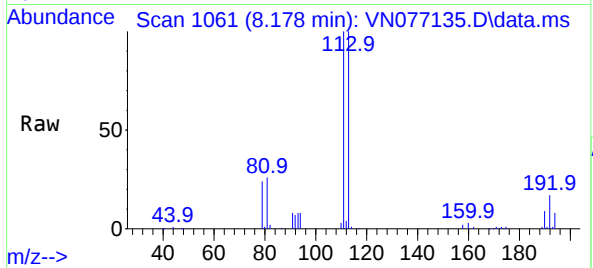
Tgt Ion: 114 Resp: 726970
Ion Ratio Lower Upper
114 100
63 23.3 0.0 44.6
88 15.0 0.0 33.8



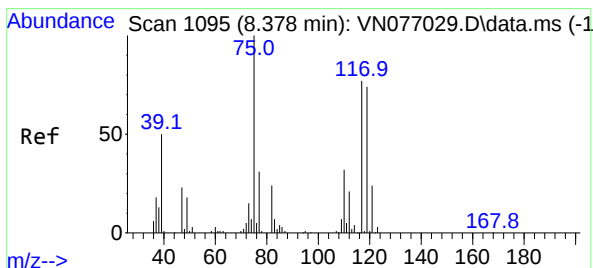
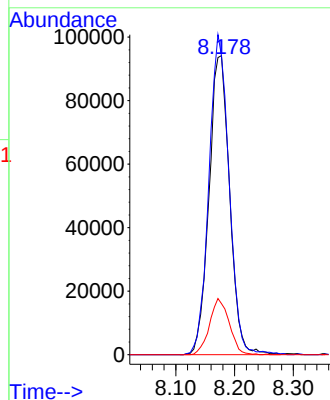
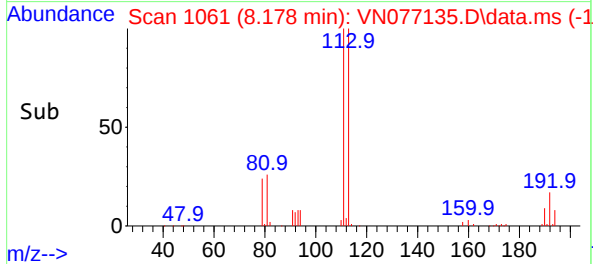


#35
Dibromofluoromethane
Concen: 45.098 ug/l
RT: 8.178 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Instrument :
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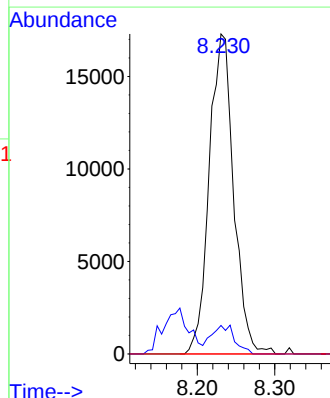
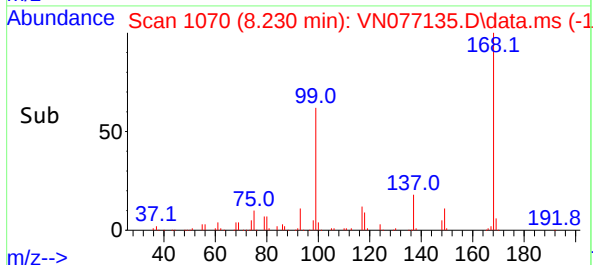
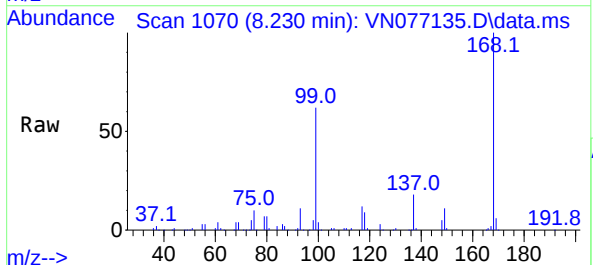


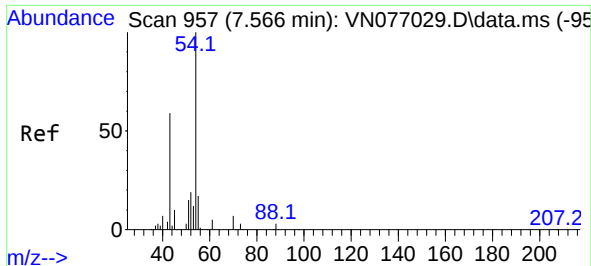
Tgt Ion:113 Resp: 229598
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.2
192 17.9 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.758 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

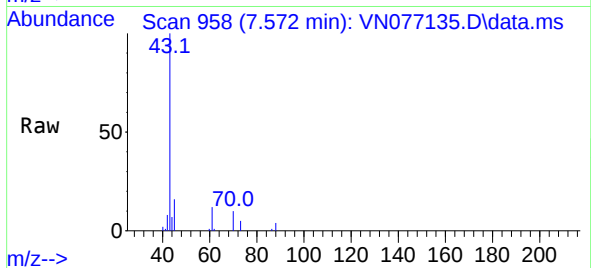
Tgt Ion: 75 Resp: 37836
Ion Ratio Lower Upper
75 100
110 8.6 15.9 47.7#
77 0.0 24.3 36.5#



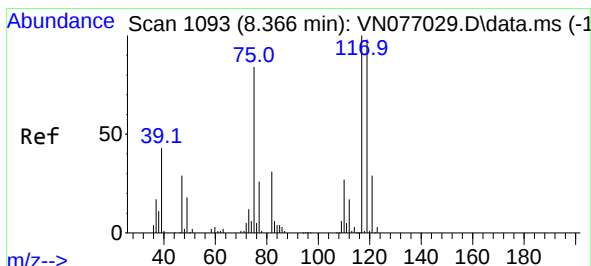
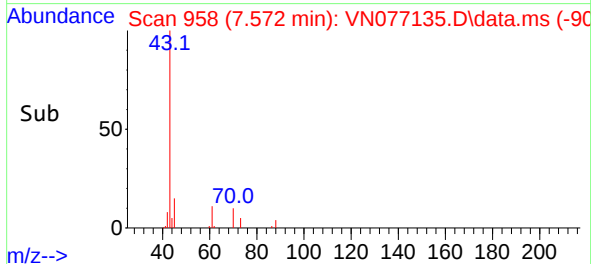
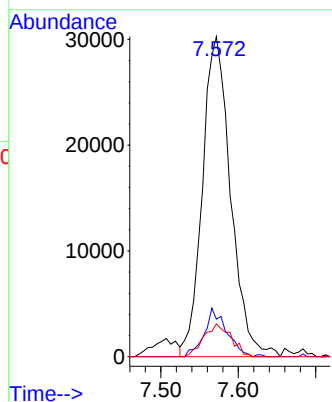


#37
Ethyl Acetate
Concen: 9.001 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Instrument :
MSVOA_N
ClientSampleId :

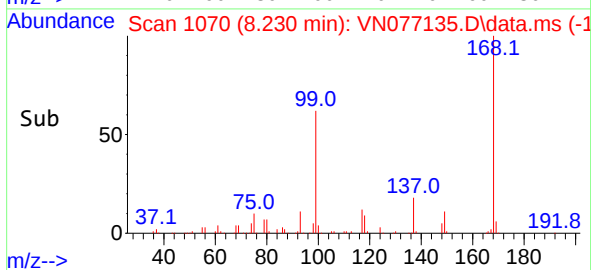
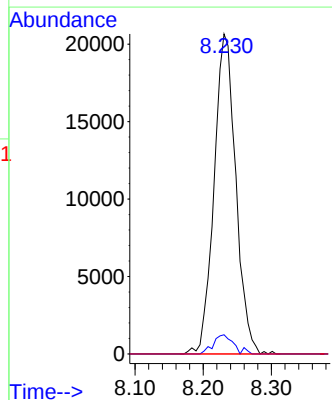
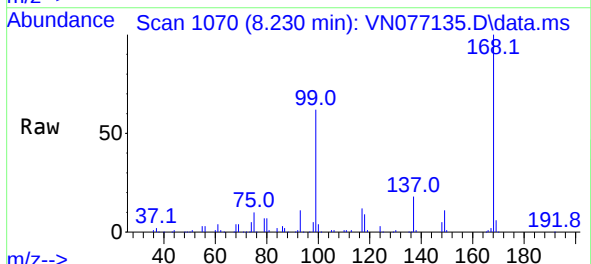


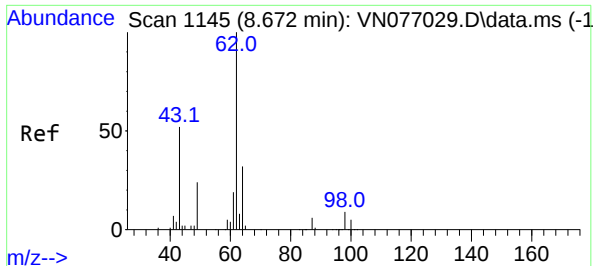
Tgt Ion: 43 Resp: 76582
Ion Ratio Lower Upper
43 100
61 12.0 11.0 16.6
70 9.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.921 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Tgt Ion: 117 Resp: 45857
Ion Ratio Lower Upper
117 100
119 6.0 78.2 117.2#
121 0.0 23.2 34.8#

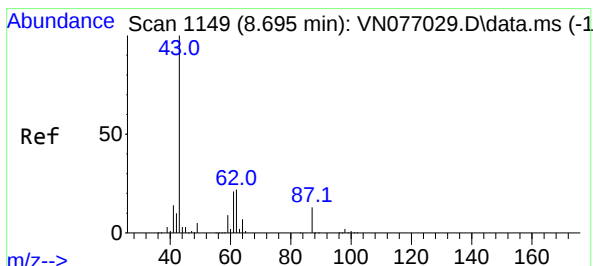
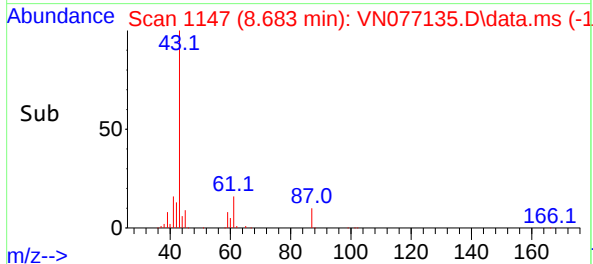
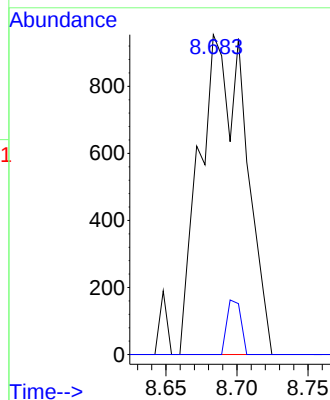
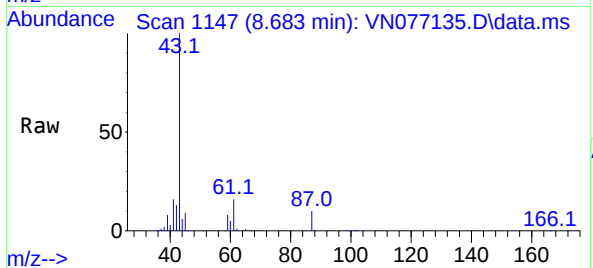




#42
1,2-Dichloroethane
Concen: 0.246 ug/l
RT: 8.683 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

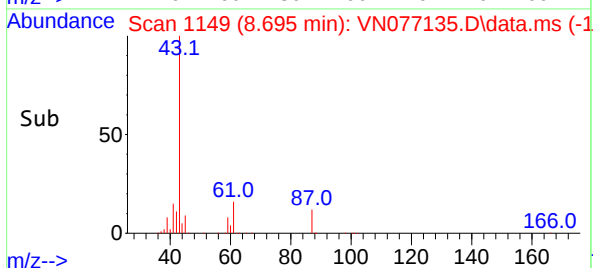
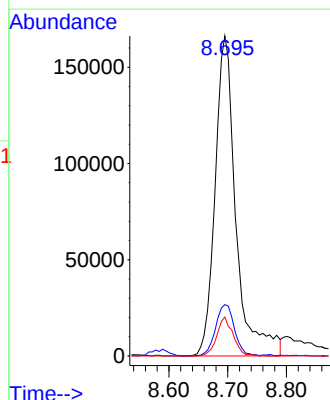
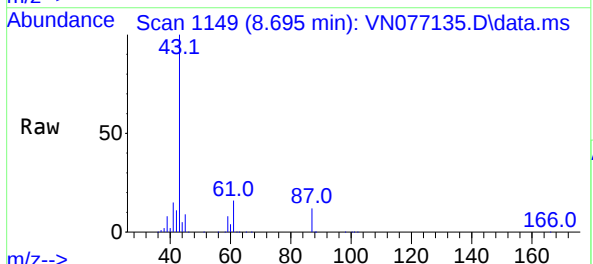
Instrument :
MSVOA_N
ClientSampleId :

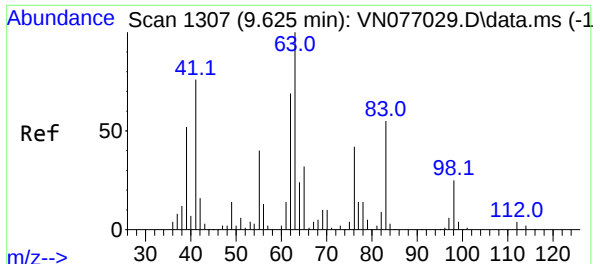
Tgt Ion: 62 Resp: 2142
Ion Ratio Lower Upper
62 100
98 5.2 0.0 17.4



#43
Isopropyl Acetate
Concen: 30.767 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Tgt Ion: 43 Resp: 408910
Ion Ratio Lower Upper
43 100
61 14.6 20.6 30.8#
87 9.6 10.0 15.0#

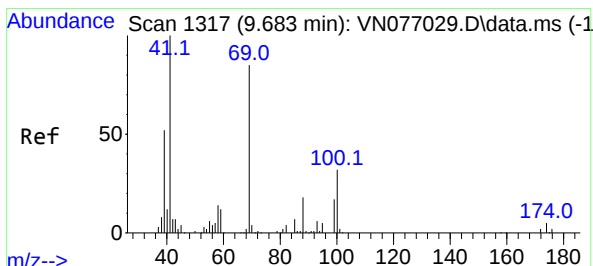
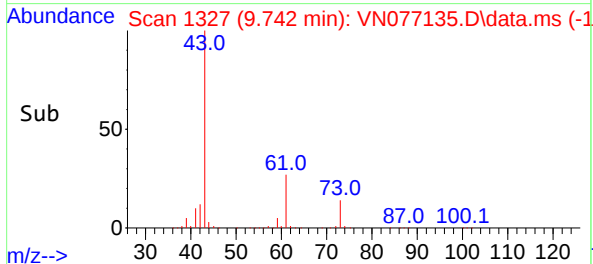
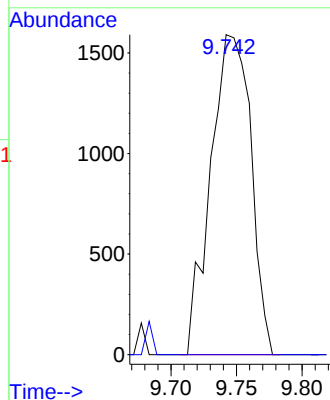
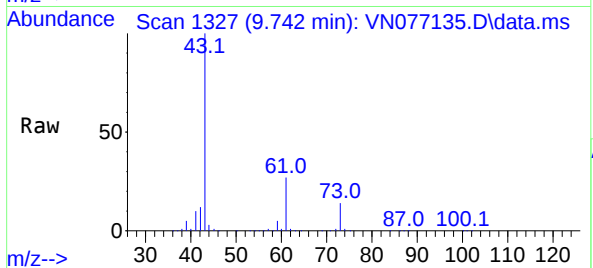




#45
1,2-Dichloropropane
Concen: 0.531 ug/l
RT: 9.742 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

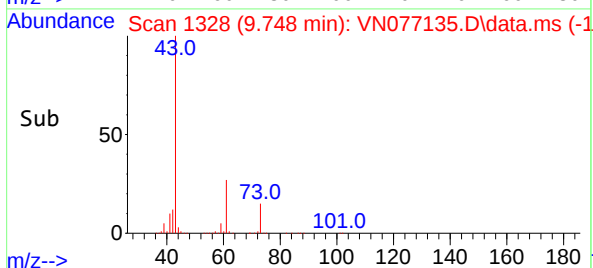
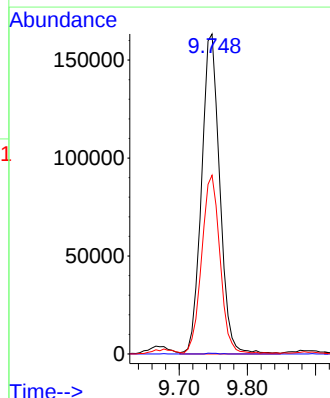
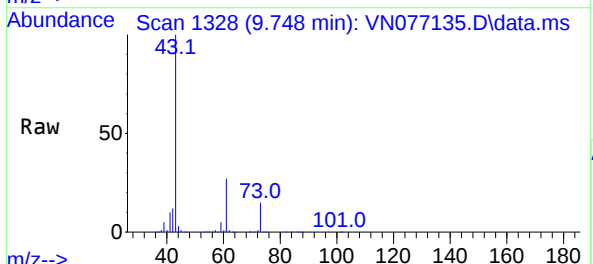
Instrument :
MSVOA_N
ClientSampleId :

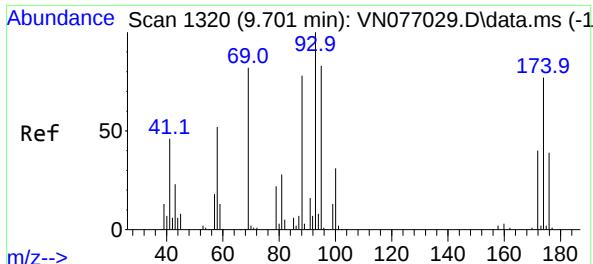
Tgt Ion: 63 Resp: 3404
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



#48
Methyl methacrylate
Concen: 47.718 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

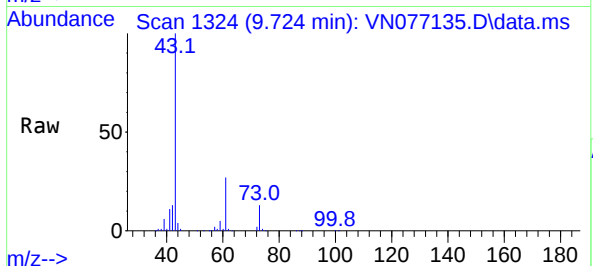
Tgt Ion: 41 Resp: 303196
Ion Ratio Lower Upper
41 100
69 0.1 64.3 96.5#
39 55.9 43.2 64.8



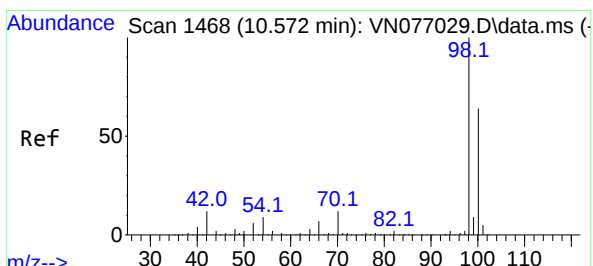
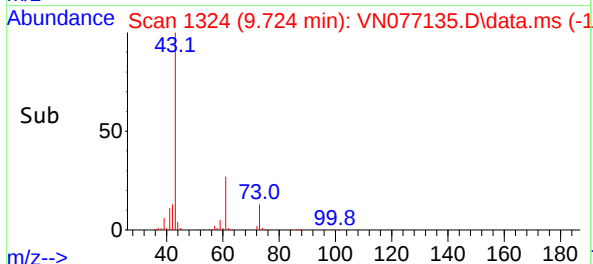
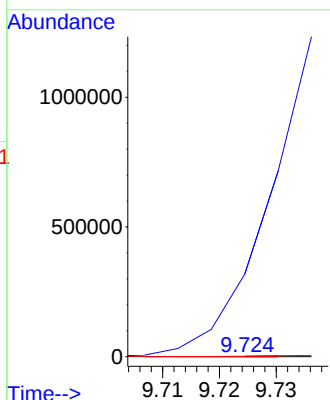


#49
1,4-Dioxane
Concen: 0.737 ug/l
RT: 9.724 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Instrument :
MSVOA_N
ClientSampleId :

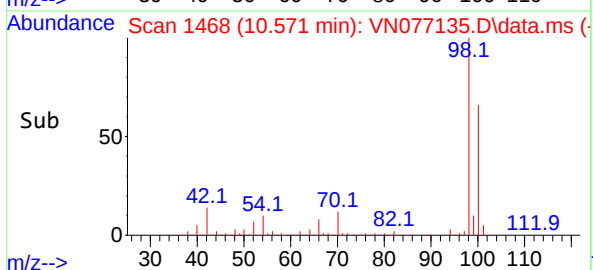
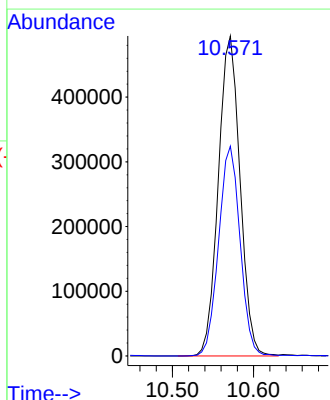
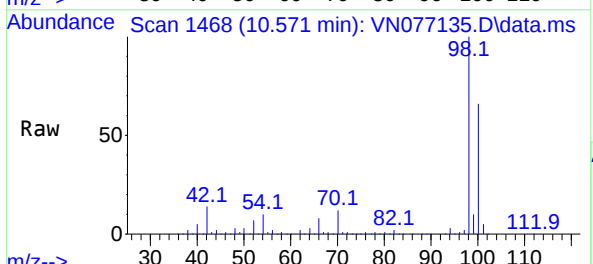


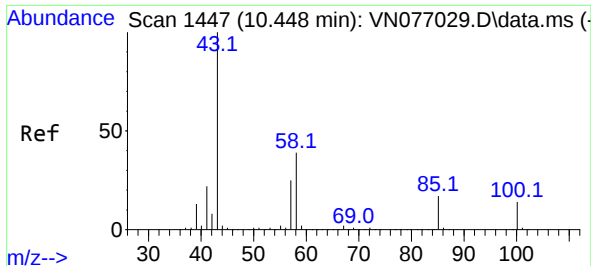
Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 0.0 60.8 91.2#



#50
Toluene-d8
Concen: 50.609 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Tgt Ion: 98 Resp: 920370
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4

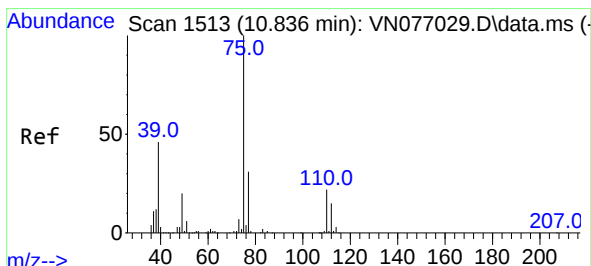
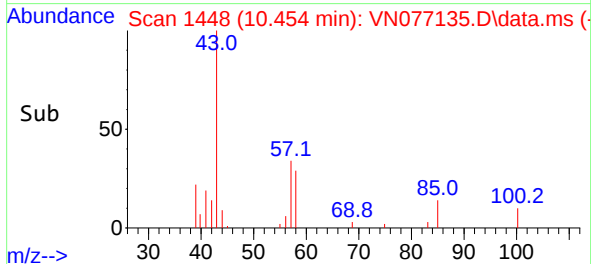
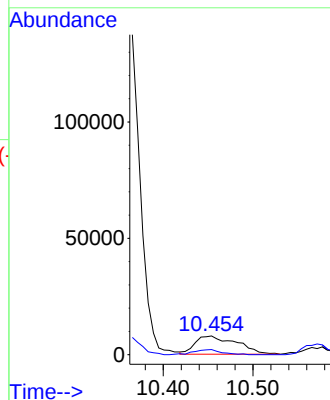
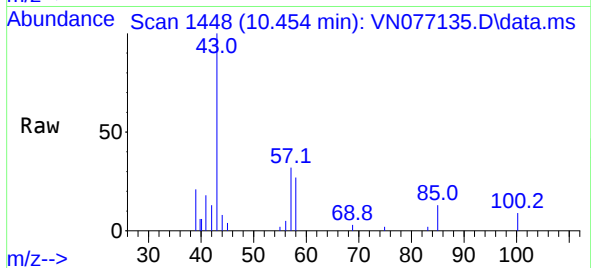




#51
4-Methyl-2-Pentanone
Concen: 3.083 ug/l
RT: 10.454 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

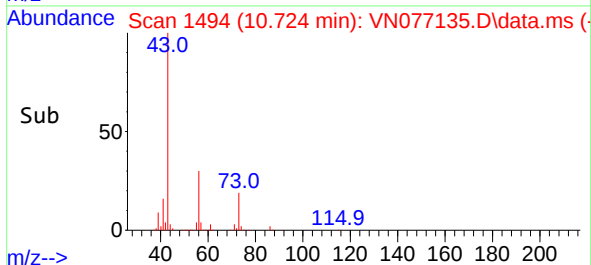
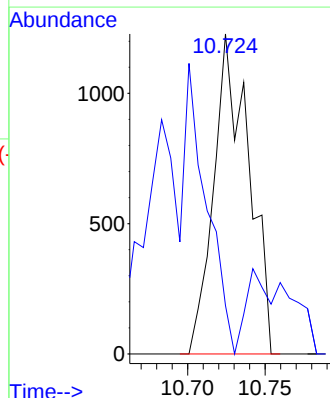
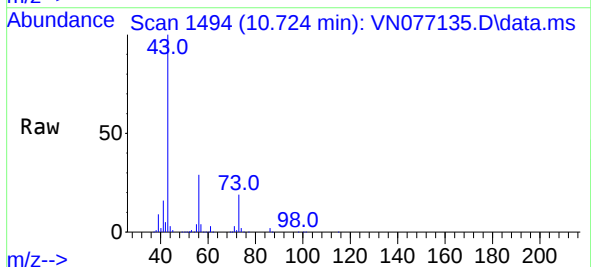
Instrument :
MSVOA_N
ClientSampleId :

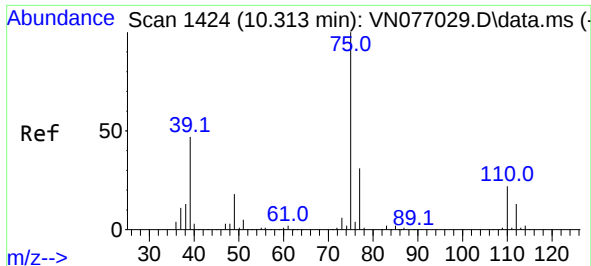
Tgt Ion: 43 Resp: 25517
Ion Ratio Lower Upper
43 100
58 18.6 31.1 46.7#



#53
t-1,3-Dichloropropene
Concen: 0.231 ug/l
RT: 10.724 min Scan# 1494
Delta R.T. -0.112 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Tgt Ion: 75 Resp: 1921
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

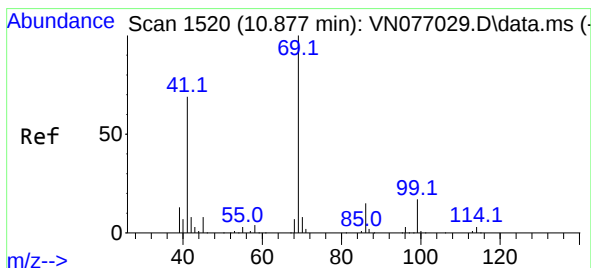
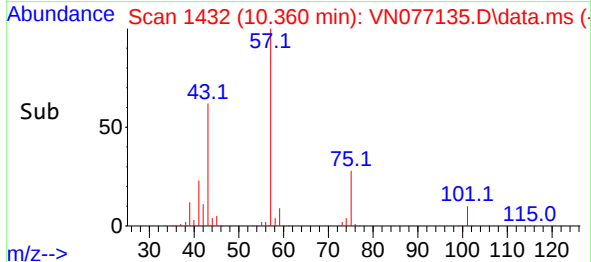
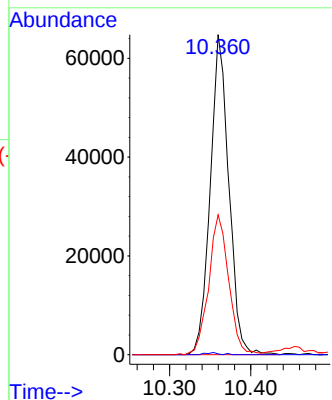
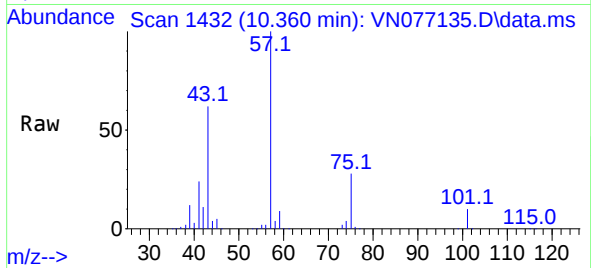




#54
cis-1,3-Dichloropropene
Concen: 10.988 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

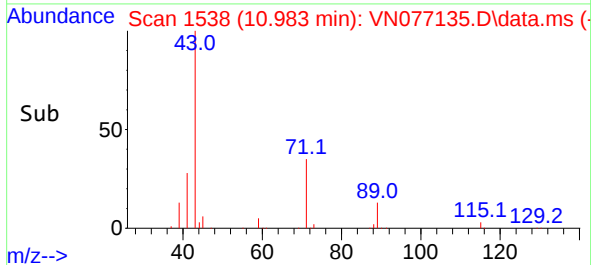
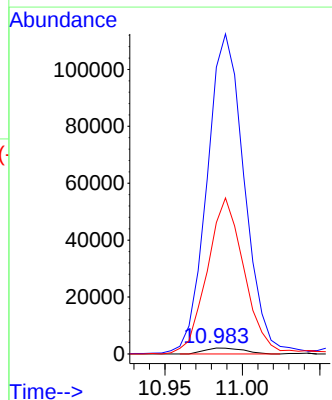
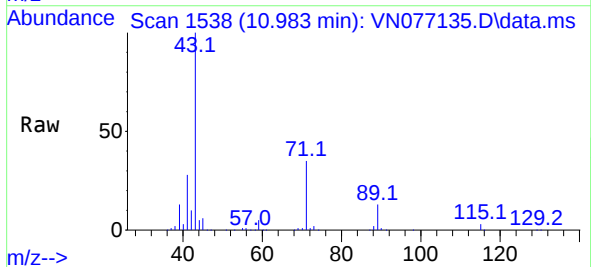
Instrument :
MSVOA_N
ClientSampleId :

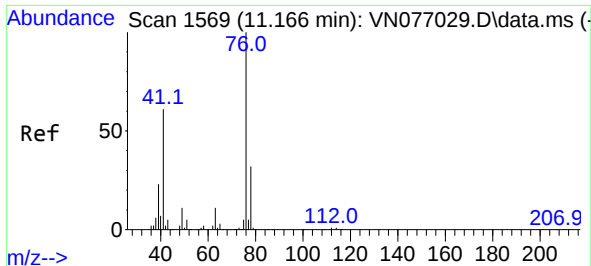
Tgt Ion: 75 Resp: 102949
Ion Ratio Lower Upper
75 100
77 0.2 24.5 36.7#
39 43.4 37.8 56.6



#56
Ethyl methacrylate
Concen: 0.424 ug/l
RT: 10.983 min Scan# 1538
Delta R.T. 0.106 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Tgt Ion: 69 Resp: 3622
Ion Ratio Lower Upper
69 100
41 5243.3 54.9 82.3#
39 2543.7 26.6 40.0#





#57

1,3-Dichloropropane

Concen: 1.428 ug/l

RT: 11.207 min Scan# 1576

Delta R.T. 0.041 min

Lab File: VN077135.D

Acq: 23 Mar 2023 08:12

Instrument :

MSVOA_N

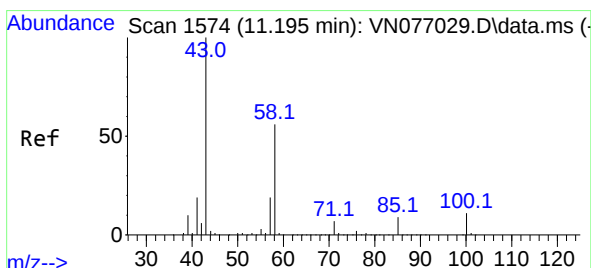
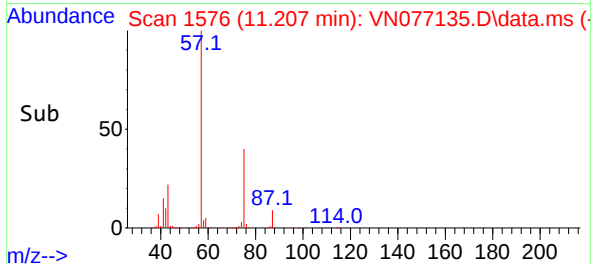
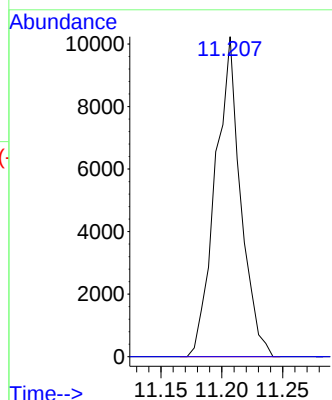
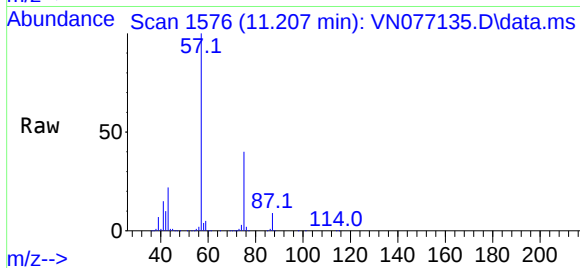
ClientSampleId :

Tgt Ion: 76 Resp: 14840

Ion Ratio Lower Upper

76 100

78 0.0 25.3 37.9#



#59

2-Hexanone

Concen: 47.375 ug/l

RT: 11.177 min Scan# 1571

Delta R.T. -0.018 min

Lab File: VN077135.D

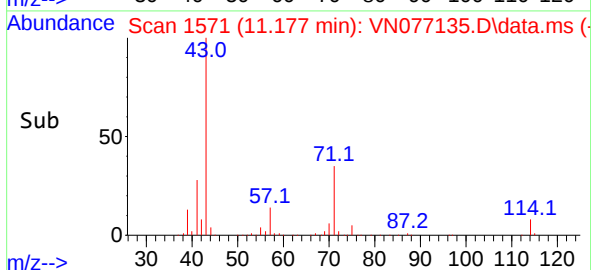
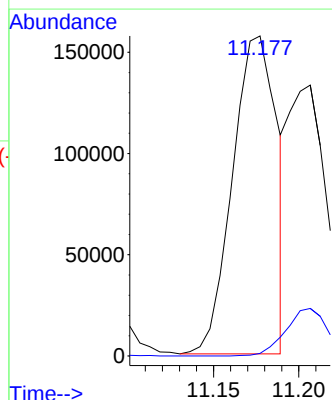
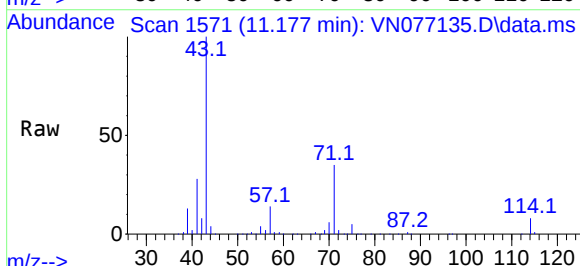
Acq: 23 Mar 2023 08:12

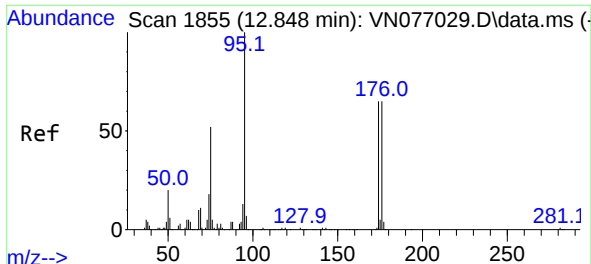
Tgt Ion: 43 Resp: 284390

Ion Ratio Lower Upper

43 100

58 0.0 27.7 83.1#

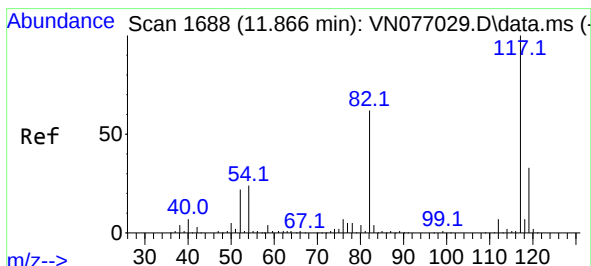
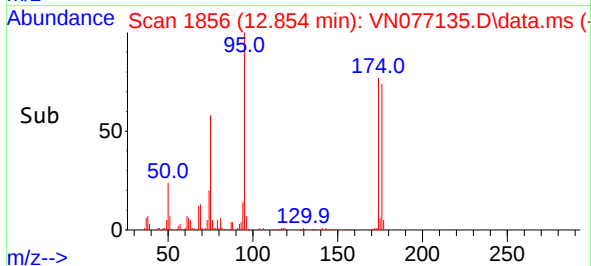
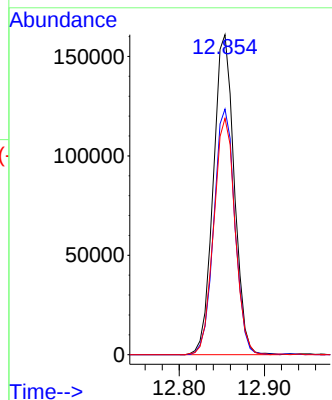
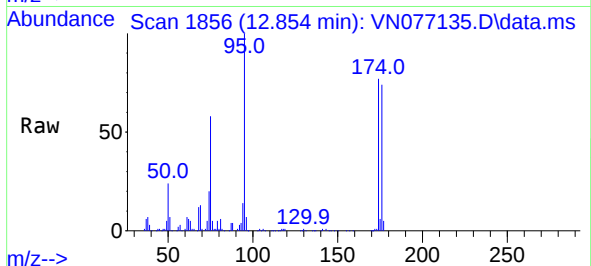




#62
4-Bromofluorobenzene
Concen: 42.642 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

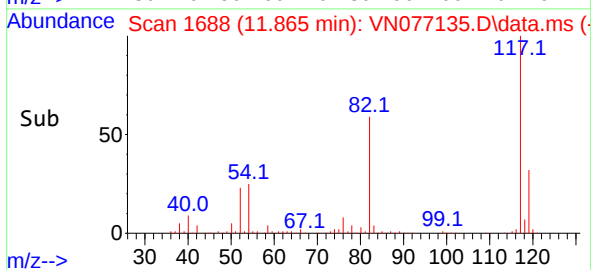
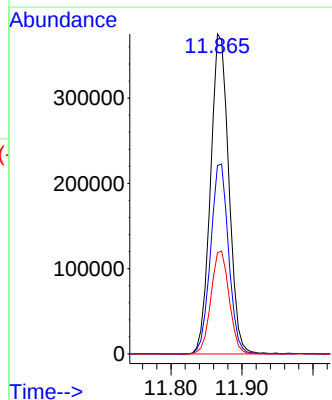
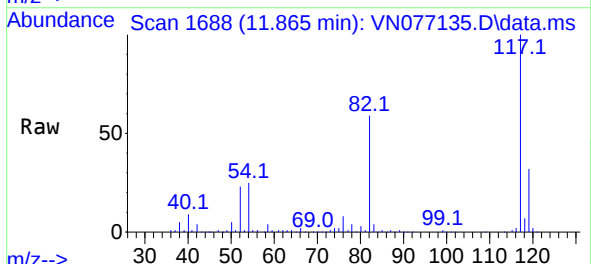
Instrument :
MSVOA_N
ClientSampleId :

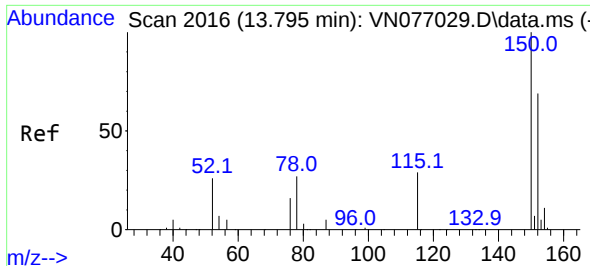
Tgt Ion: 95 Resp: 274029
Ion Ratio Lower Upper
95 100
174 76.9 0.0 136.6
176 75.1 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1688
Delta R.T. -0.001 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Tgt Ion: 117 Resp: 670819
Ion Ratio Lower Upper
117 100
82 58.9 49.4 74.0
119 31.7 26.5 39.7

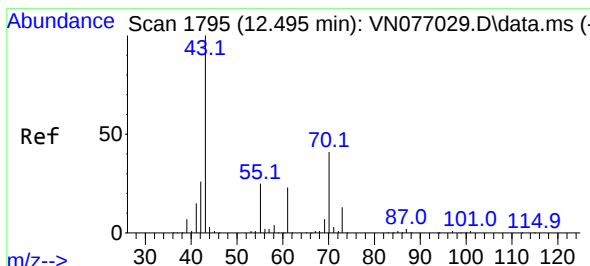
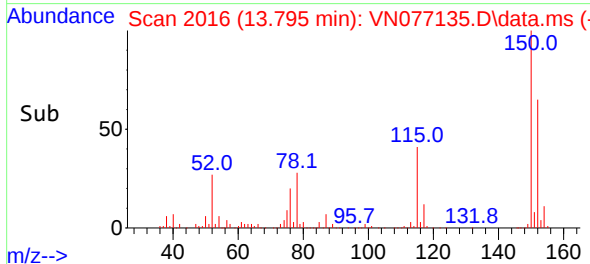
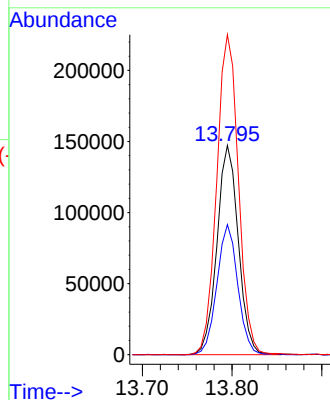
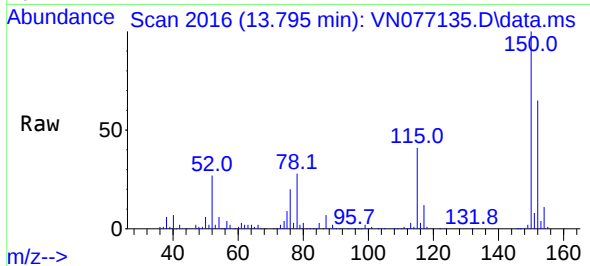




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

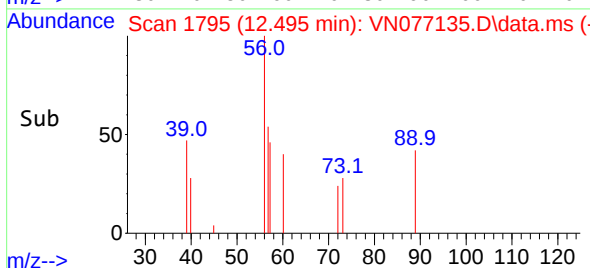
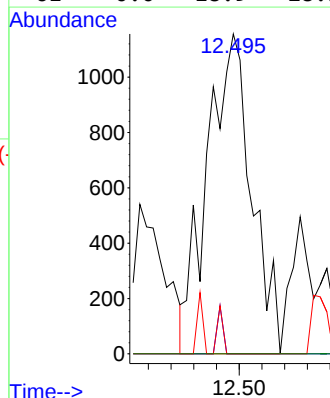
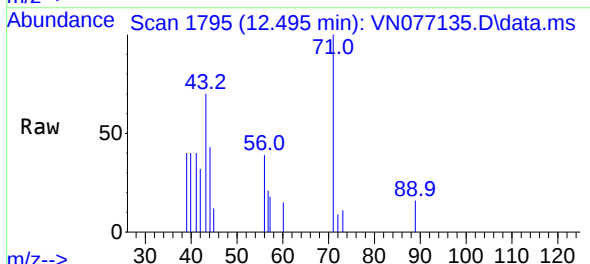
Instrument :
MSVOA_N
ClientSampleId :

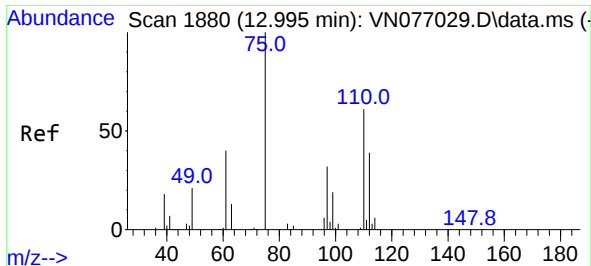
Tgt Ion:152 Resp: 243012
Ion Ratio Lower Upper
152 100
115 60.9 31.9 95.7
150 155.7 0.0 348.0



#74
N-ethyl acetate
Concen: 0.333 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Tgt Ion: 43 Resp: 3136
Ion Ratio Lower Upper
43 100
70 1.9 33.6 50.4#
55 0.0 20.3 30.5#
61 0.0 18.9 28.3#

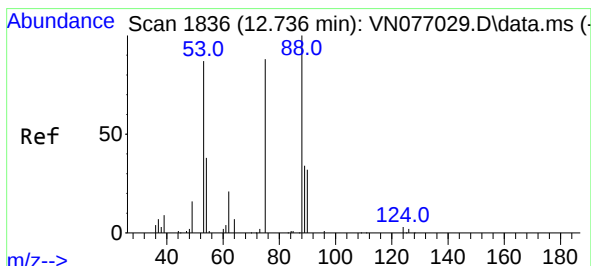
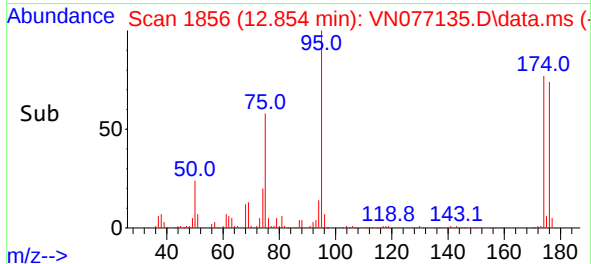
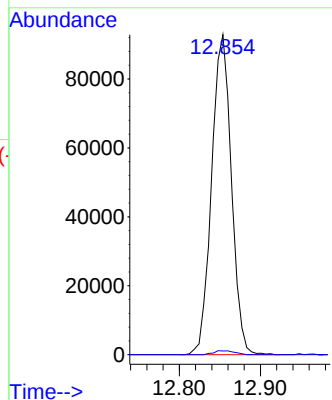
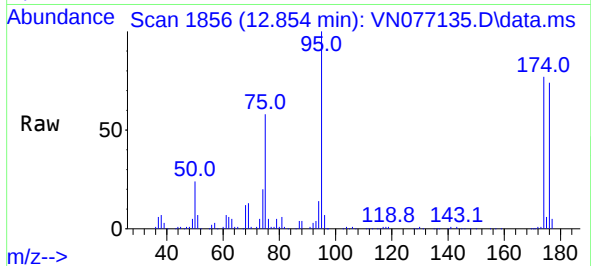




#76
1,2,3-Trichloropropane
Concen: 24.986 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

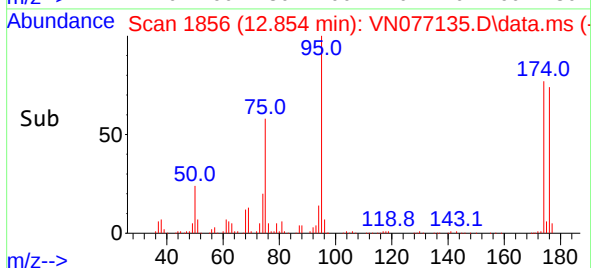
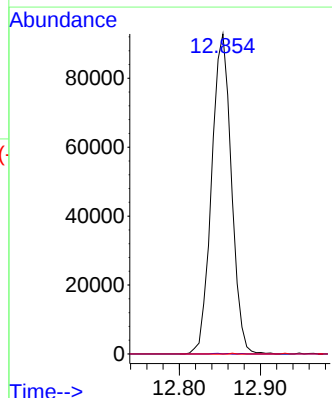
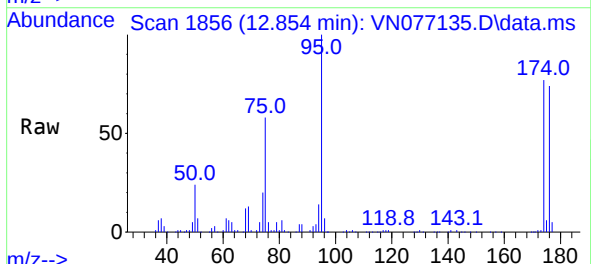
Instrument :
MSVOA_N
ClientSampleId :

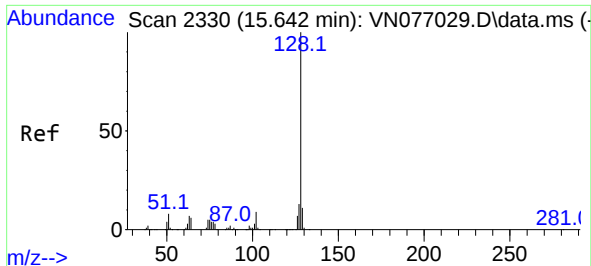
Tgt Ion: 75 Resp: 157055
Ion Ratio Lower Upper
75 100
77 1.3 107.3 322.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.774 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077135.D
Acq: 23 Mar 2023 08:12

Tgt Ion: 75 Resp: 157055
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 34.2 51.4#





#95

Naphthalene

Concen: 1.934 ug/l

RT: 15.648 min Scan# 21

Delta R.T. 0.006 min

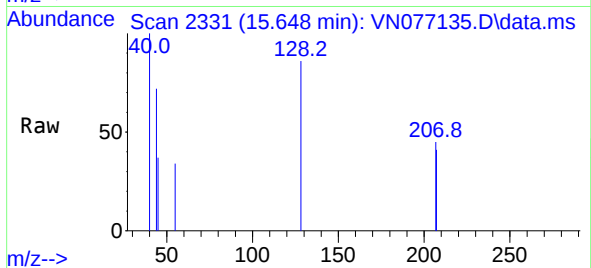
Lab File: VN077135.D

Acq: 23 Mar 2023 08:12

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 377

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.6 13.0#

