

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077131.D
 Acq On : 23 Mar 2023 06:36
 Operator : JC\MD
 Sample : PB151586ZHE007
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 09:30:12 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)

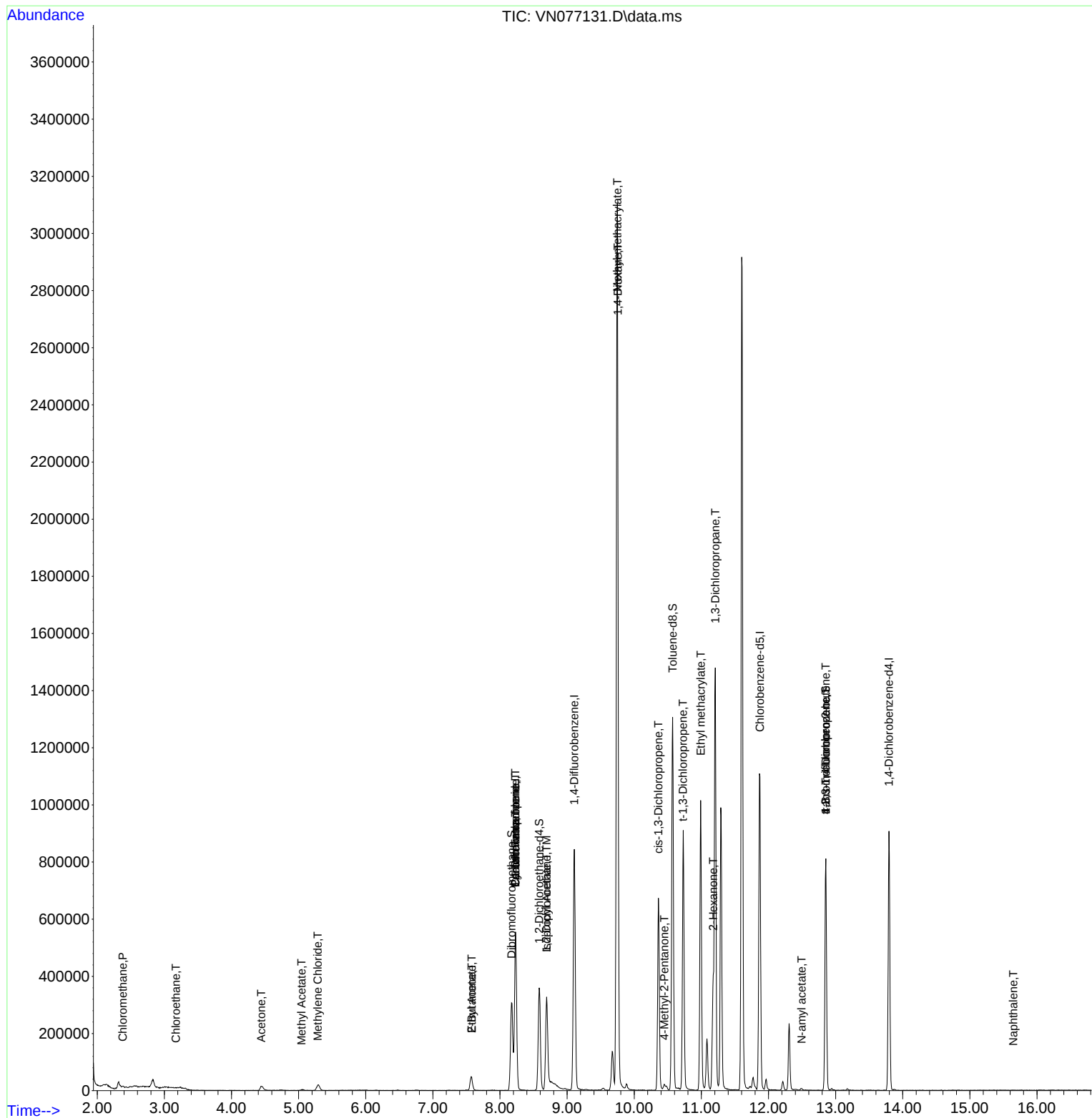
Internal Standards						
1) Pentafluorobenzene	8.231	168	378794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	690131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	629867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	224134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	291985	48.258	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.520%		
35) Dibromofluoromethane	8.172	113	221610	45.853	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.700%		
50) Toluene-d8	10.572	98	869201	50.346	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.700%		
62) 4-Bromofluorobenzene	12.854	95	256970	42.122	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.240%		
Target Compounds					Qvalue	
3) Chloromethane	2.378	50	921	0.241	ug/l #	43
6) Chloroethane	3.172	64	1194	0.458	ug/l #	42
16) Acetone	4.443	43	31021	11.506	ug/l	91
18) Methyl Acetate	5.043	43	6601	0.649	ug/l #	83
20) Methylene Chloride	5.284	84	13864	2.369	ug/l	88
25) 2-Butanone	7.578	43	81926	20.773	ug/l #	49
31) Cyclohexane	8.231	56	11174	1.129	ug/l #	9
36) 1,1-Dichloropropene	8.231	75	33964	4.499	ug/l #	52
37) Ethyl Acetate	7.578	43	81926	10.143	ug/l #	94
38) Carbon Tetrachloride	8.231	117	41234	5.608	ug/l #	15
42) 1,2-Dichloroethane	8.695	62	2234	0.270	ug/l #	76
43) Isopropyl Acetate	8.695	43	376428	29.835	ug/l #	86
48) Methyl methacrylate	9.748	41	312143	51.749	ug/l #	45
49) 1,4-Dioxane	9.754	88	326	3.164	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	24002	3.055	ug/l #	69
53) t-1,3-Dichloropropene	10.725	75	2068	0.262	ug/l #	88
54) cis-1,3-Dichloropropene	10.360	75	109105	12.267	ug/l #	75
56) Ethyl methacrylate	10.989	69	3675	0.453	ug/l #	1
57) 1,3-Dichloropropane	11.207	76	14612	1.481	ug/l #	43
59) 2-Hexanone	11.177	43	294450	51.669	ug/l #	24
74) N-amyl acetate	12.495	43	3297	0.379	ug/l #	48
76) 1,2,3-Trichloropropane	12.854	75	150996	26.045	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	150996	71.690	ug/l #	10
95) Naphthalene	15.648	128	733	1.959	ug/l #	70

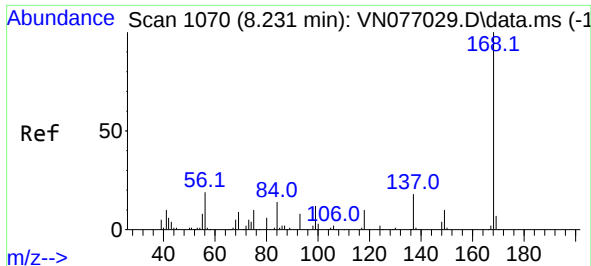
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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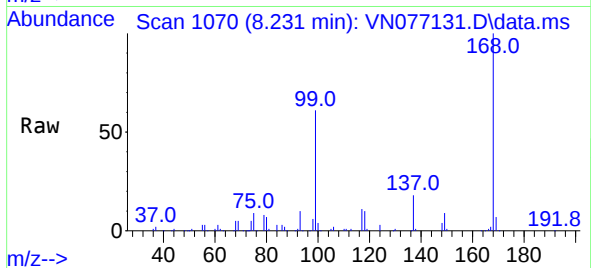
Quant Time: Mar 23 09:30:12 2023
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Quant Title : SW846 8260
QLast Update : Mon Mar 20 08:50:30 2023
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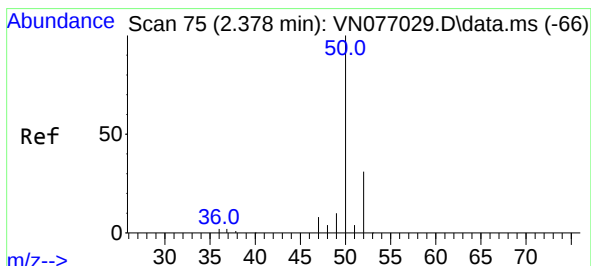
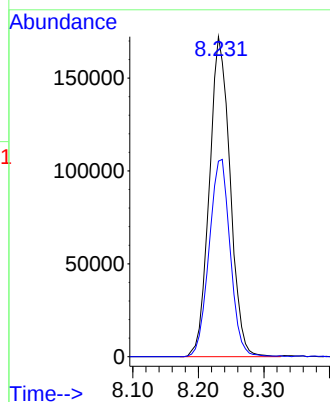
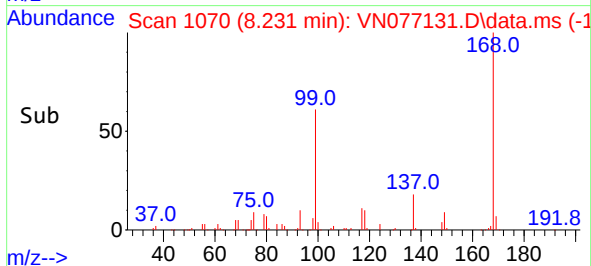


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Instrument :
MSVOA_N
ClientSampleId :

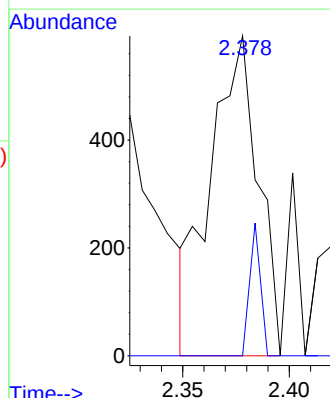
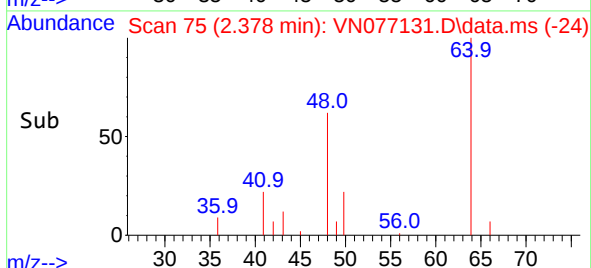
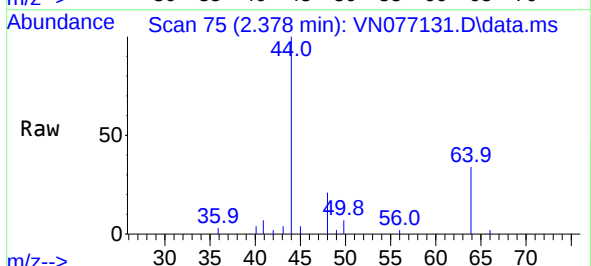


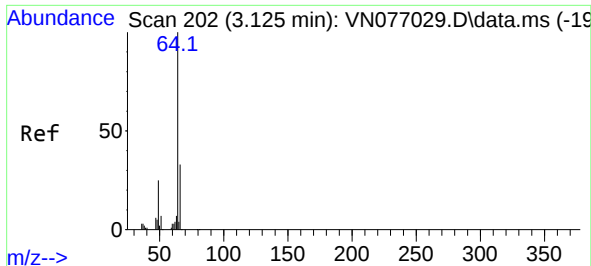
Tgt Ion:168 Resp: 378794
Ion Ratio Lower Upper
168 100
99 61.1 53.9 80.9



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.000 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

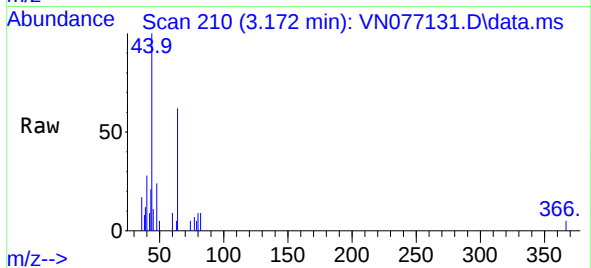
Tgt Ion: 50 Resp: 921
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#



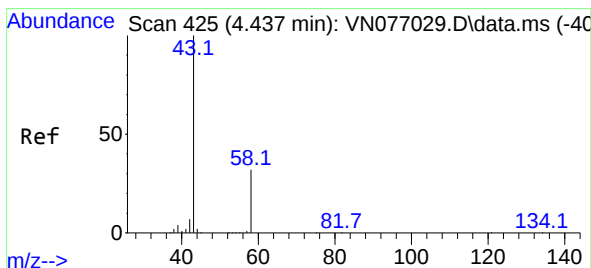
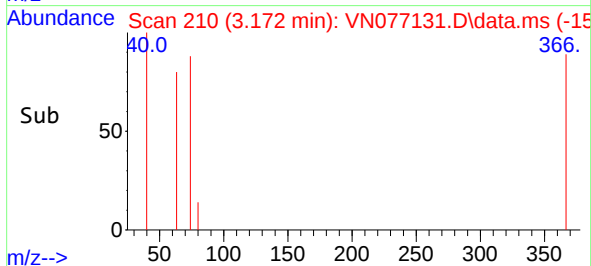
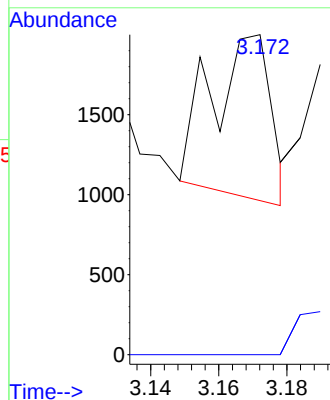


#6
Chloroethane
Concen: 0.458 ug/l
RT: 3.172 min Scan# 210
Delta R.T. 0.047 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Instrument :
MSVOA_N
ClientSampleId :

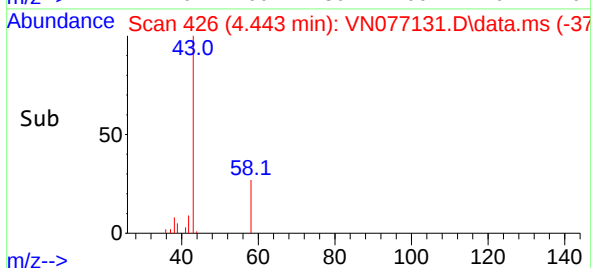
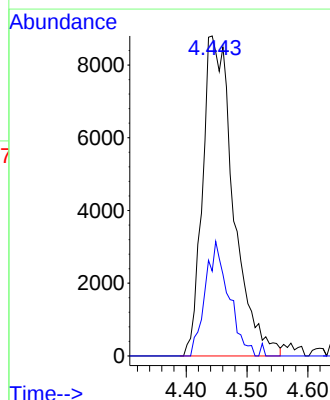
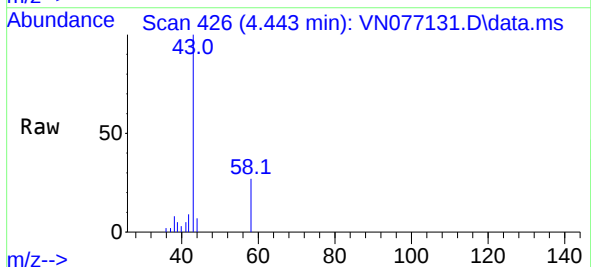


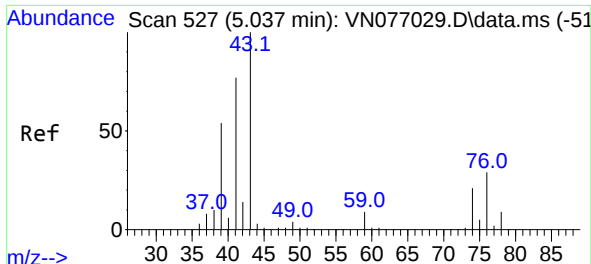
Tgt Ion: 64 Resp: 1194
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#16
Acetone
Concen: 11.506 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.006 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Tgt Ion: 43 Resp: 31021
Ion Ratio Lower Upper
43 100
58 26.5 25.4 38.0

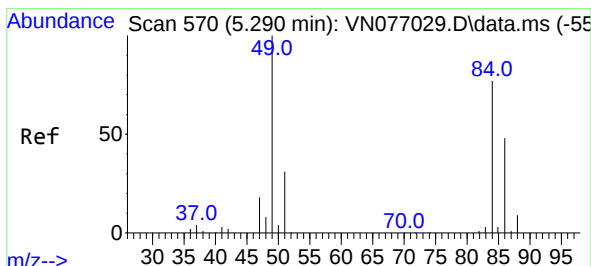
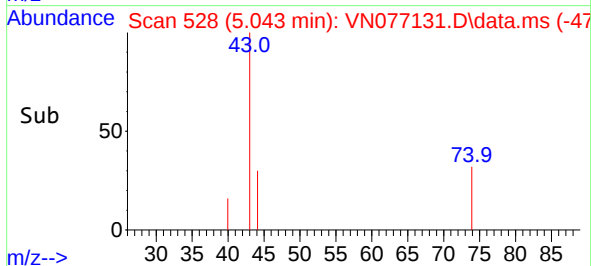
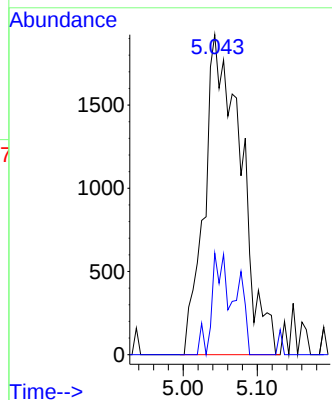
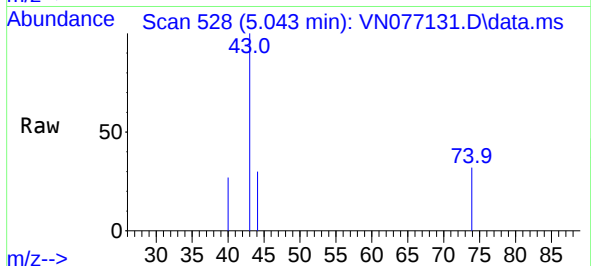




#18
Methyl Acetate
Concen: 0.649 ug/l
RT: 5.043 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

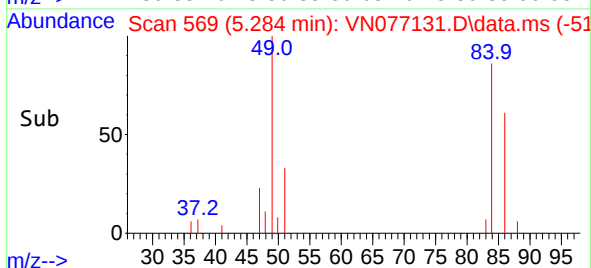
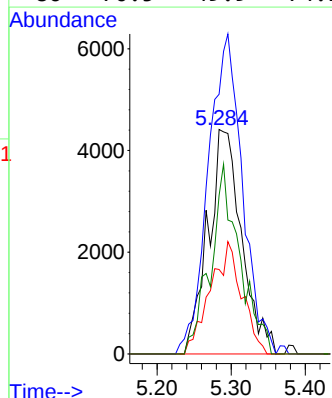
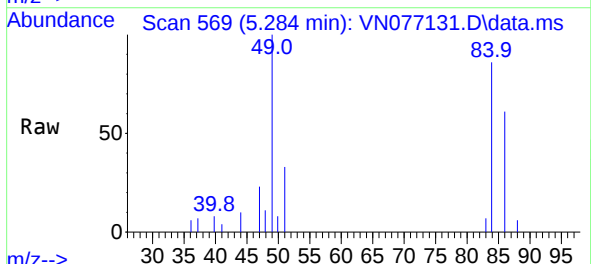
Instrument :
MSVOA_N
ClientSampleId :

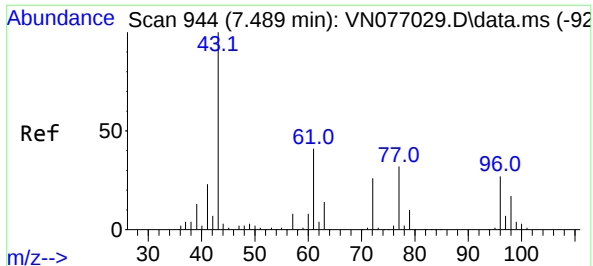
Tgt Ion: 43 Resp: 6601
Ion Ratio Lower Upper
43 100
74 13.8 17.7 26.5#



#20
Methylene Chloride
Concen: 2.369 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Tgt Ion: 84 Resp: 13864
Ion Ratio Lower Upper
84 100
49 112.1 103.8 155.6
51 37.6 32.3 48.5
86 70.5 49.9 74.9

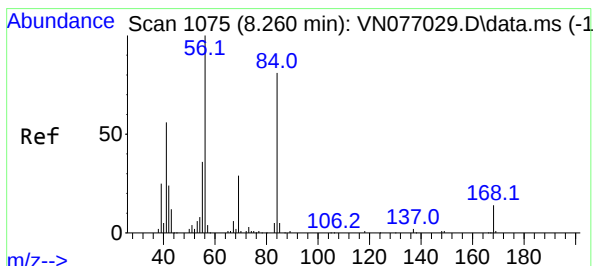
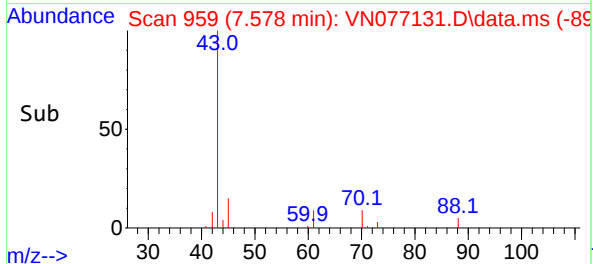
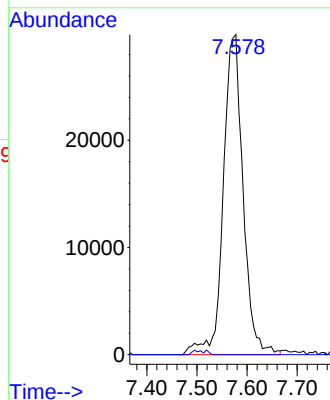
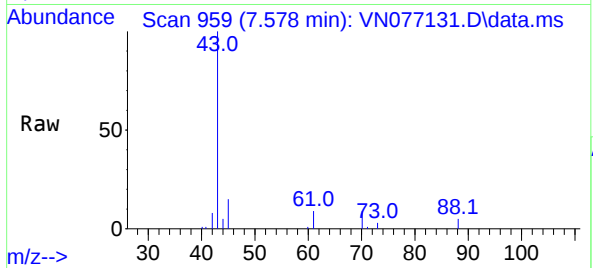




#25
2-Butanone
Concen: 20.773 ug/l
RT: 7.578 min Scan# 91
Delta R.T. 0.089 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

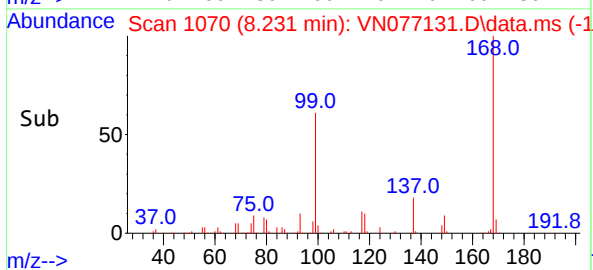
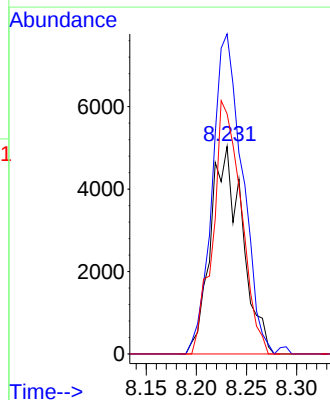
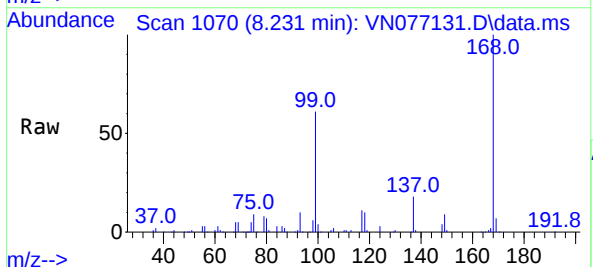
Instrument :
MSVOA_N
ClientSampleId :

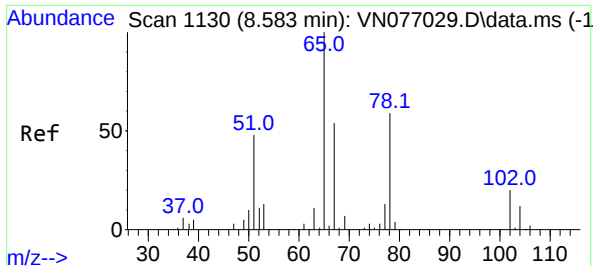
Tgt Ion: 43 Resp: 81926
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Tgt Ion: 56 Resp: 11174
Ion Ratio Lower Upper
56 100
69 154.2 22.8 34.2#
84 115.7 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 48.258 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN077131.D

Acq: 23 Mar 2023 06:36

Instrument :

MSVOA_N

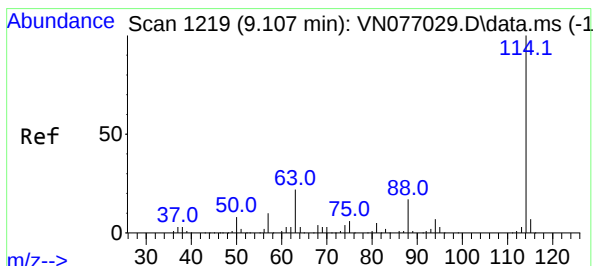
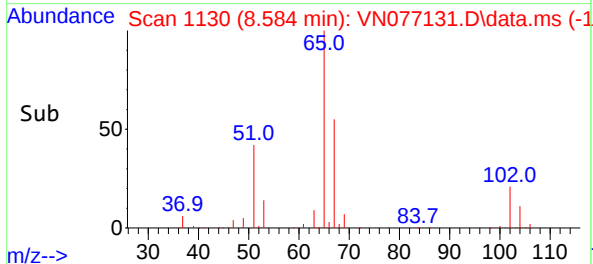
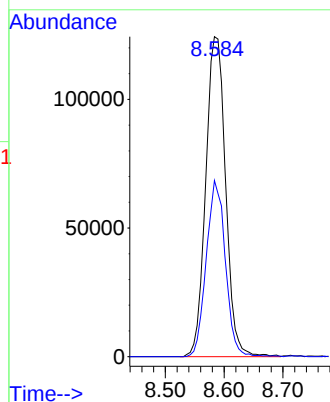
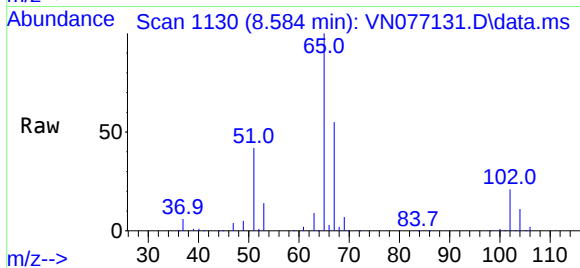
ClientSampleId :

Tgt Ion: 65 Resp: 291985

Ion Ratio Lower Upper

65 100

67 52.9 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: VN077131.D

Acq: 23 Mar 2023 06:36

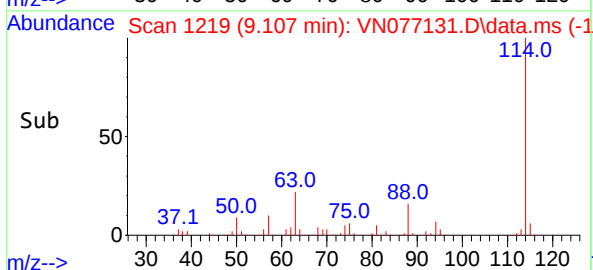
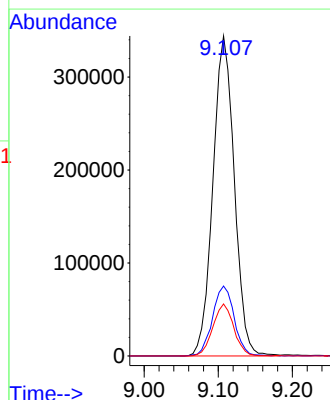
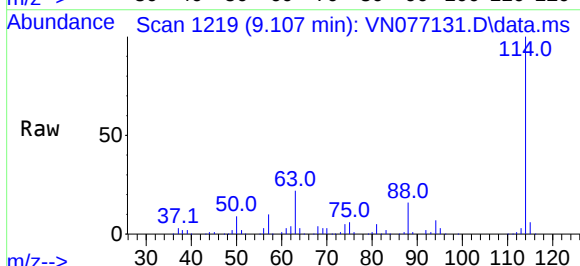
Tgt Ion: 114 Resp: 690131

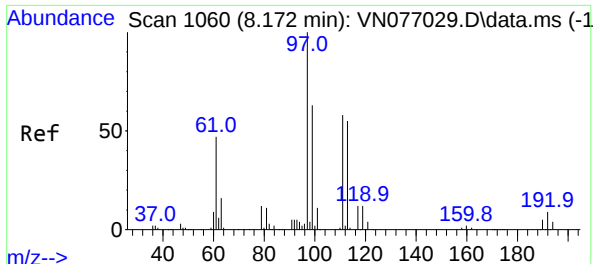
Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.6

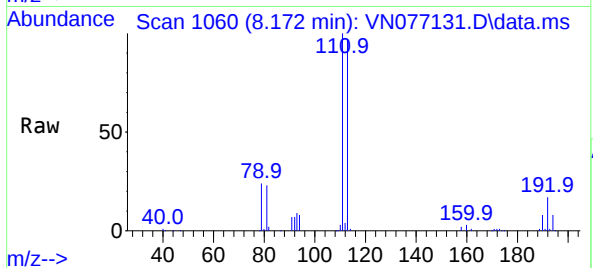
88 16.2 0.0 33.8



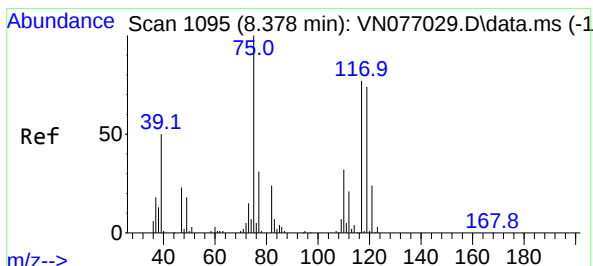
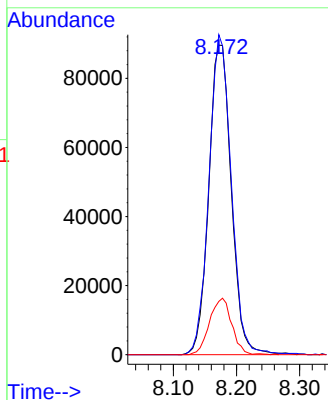
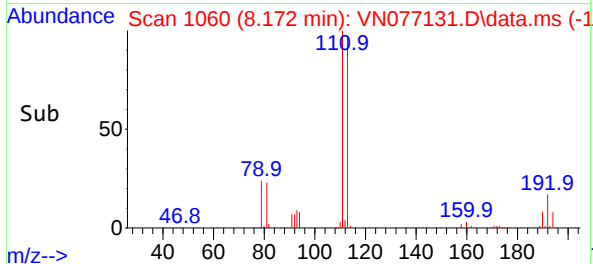


#35
Dibromofluoromethane
Concen: 45.853 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

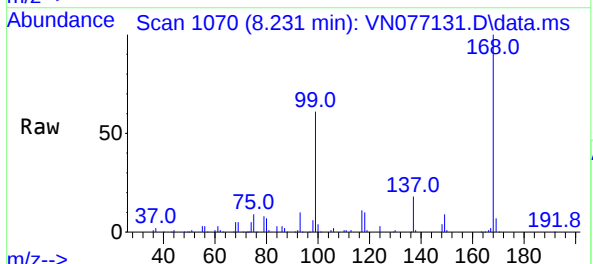
Instrument :
MSVOA_N
ClientSampleId :



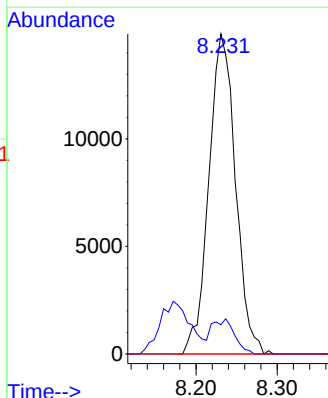
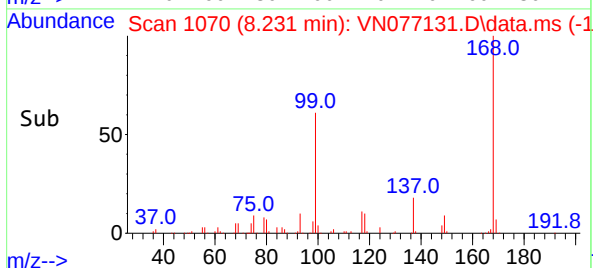
Tgt Ion:113 Resp: 221610
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 18.0 13.0 19.6

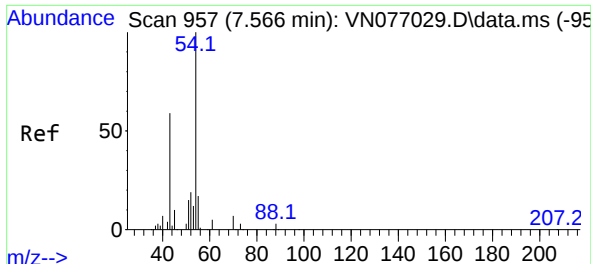


#36
1,1-Dichloropropene
Concen: 4.499 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36



Tgt Ion: 75 Resp: 33964
Ion Ratio Lower Upper
75 100
110 9.2 15.9 47.7#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 10.143 ug/l

RT: 7.578 min Scan# 91

Delta R.T. 0.012 min

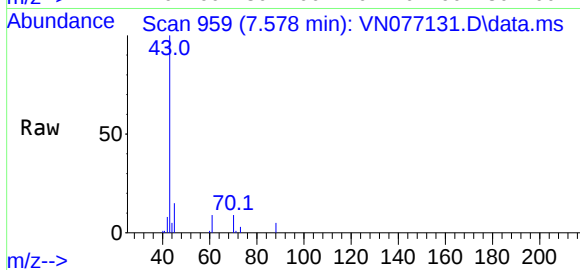
Lab File: VN077131.D

Acq: 23 Mar 2023 06:36

Instrument :

MSVOA_N

ClientSampleId :



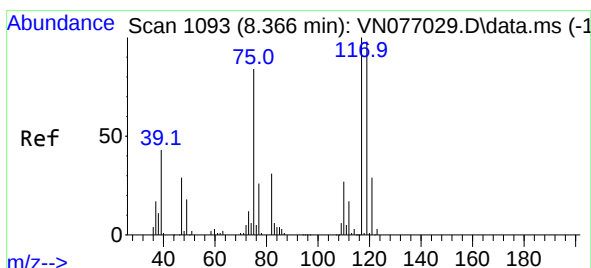
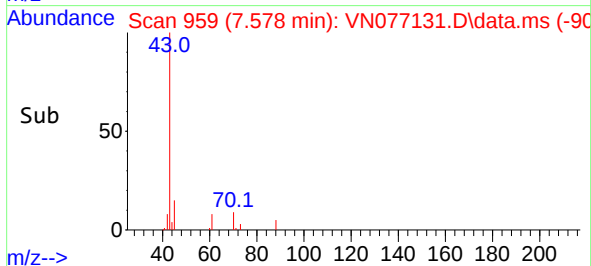
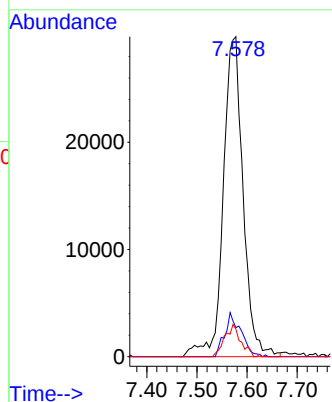
Tgt Ion: 43 Resp: 81926

Ion Ratio Lower Upper

43 100

61 11.4 11.0 16.6

70 8.1 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 5.608 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.135 min

Lab File: VN077131.D

Acq: 23 Mar 2023 06:36

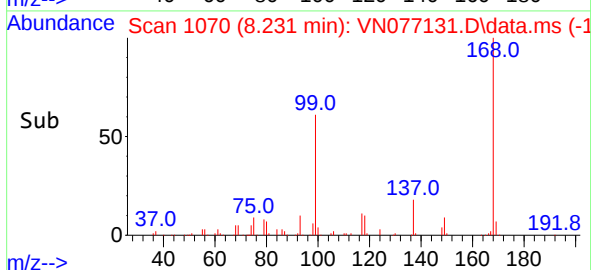
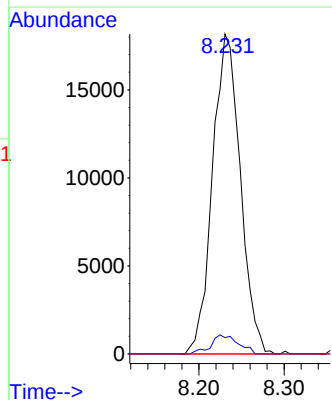
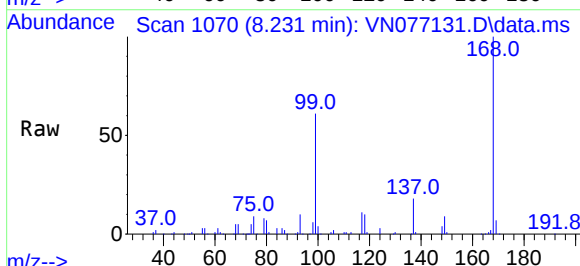
Tgt Ion: 117 Resp: 41234

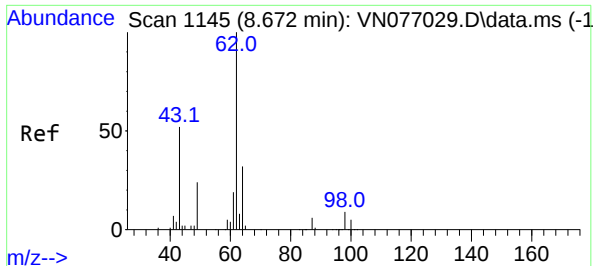
Ion Ratio Lower Upper

117 100

119 5.1 78.2 117.2#

121 0.0 23.2 34.8#

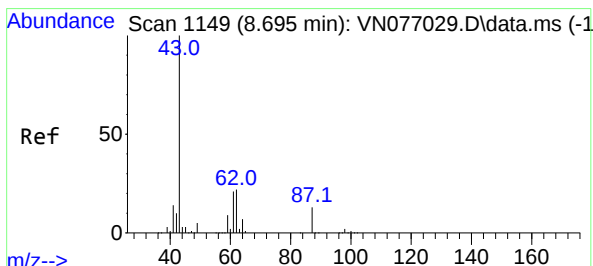
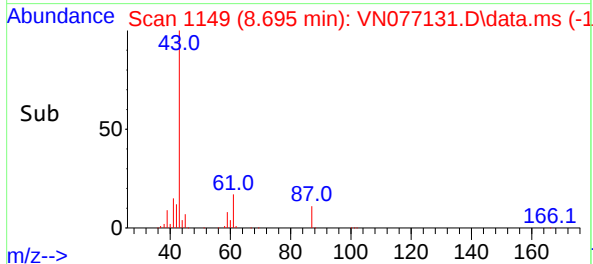
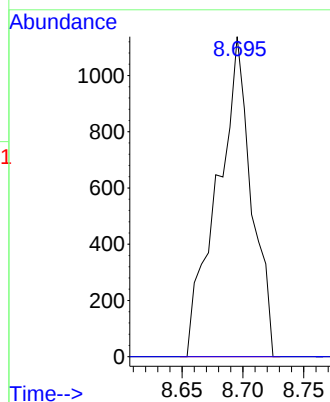
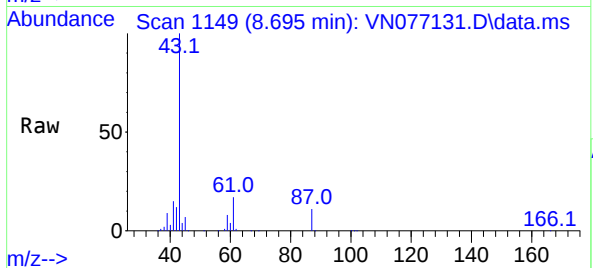




#42
1,2-Dichloroethane
Concen: 0.270 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.024 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

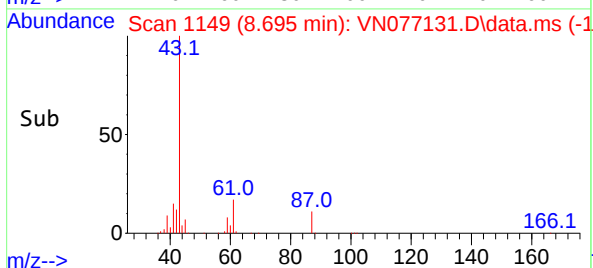
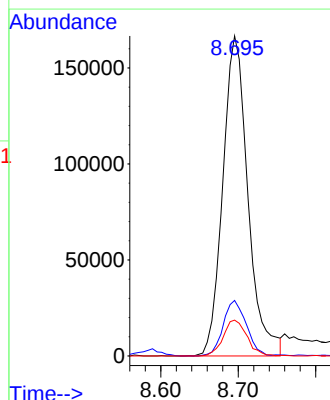
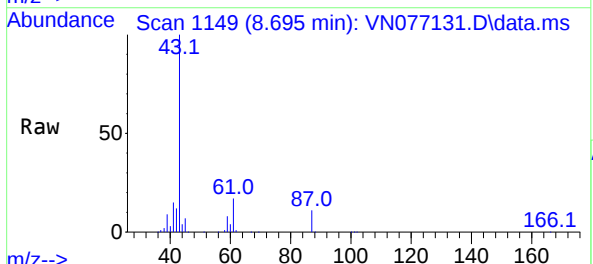
Instrument :
MSVOA_N
ClientSampleId :

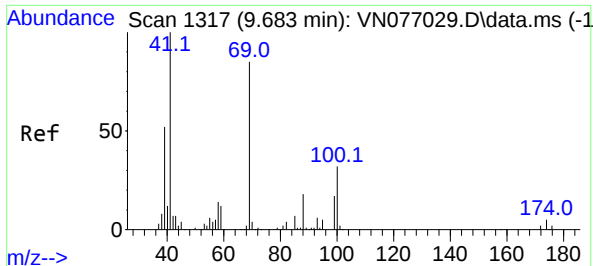
Tgt Ion: 62 Resp: 2234
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.4



#43
Isopropyl Acetate
Concen: 29.835 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Tgt Ion: 43 Resp: 376428
Ion Ratio Lower Upper
43 100
61 16.0 20.6 30.8#
87 10.6 10.0 15.0

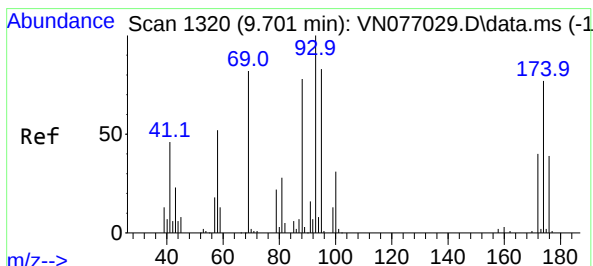
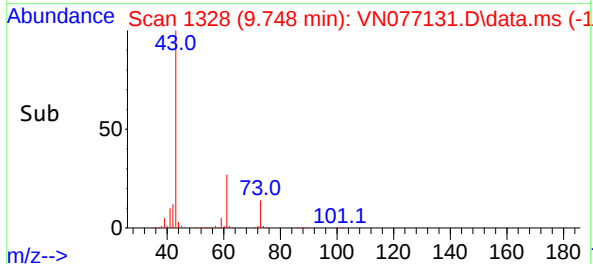
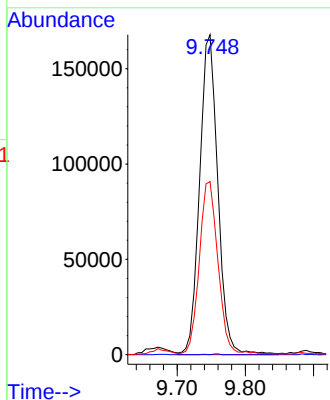
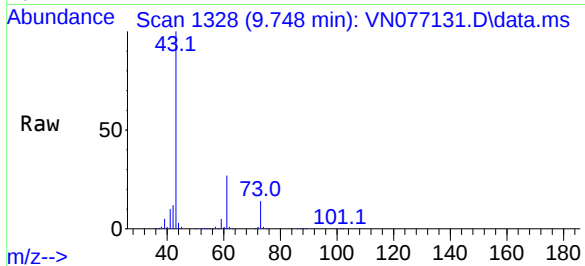




#48
Methyl methacrylate
Concen: 51.749 ug/l
RT: 9.748 min Scan# 1317
Delta R.T. 0.065 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

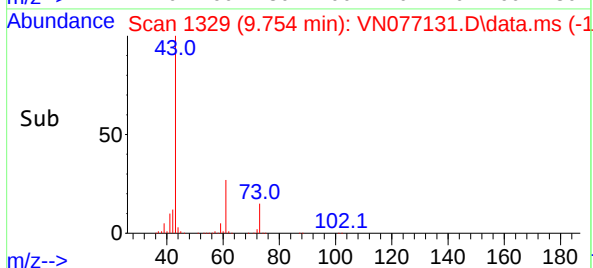
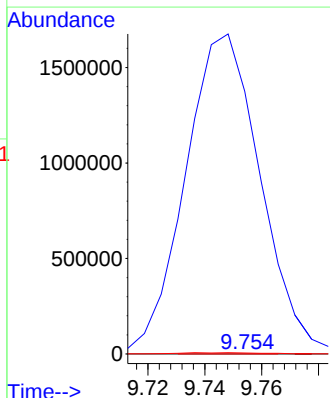
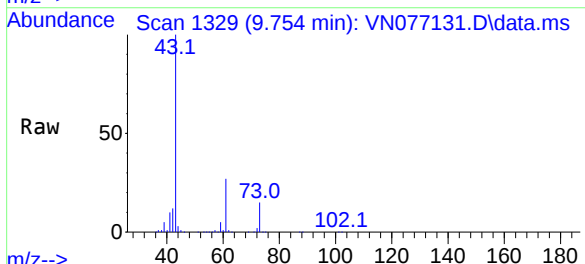
Instrument :
MSVOA_N
ClientSampleId :

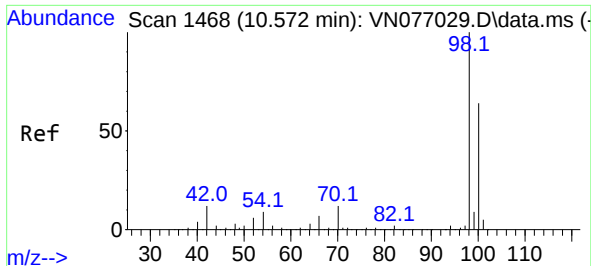
Tgt Ion: 41 Resp: 312143
Ion Ratio Lower Upper
41 100
69 0.1 64.3 96.5#
39 55.4 43.2 64.8



#49
1,4-Dioxane
Concen: 3.164 ug/l
RT: 9.754 min Scan# 1329
Delta R.T. 0.053 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Tgt Ion: 88 Resp: 326
Ion Ratio Lower Upper
88 100
43 954505.2 22.2 33.2#
58 4431.3 60.8 91.2#

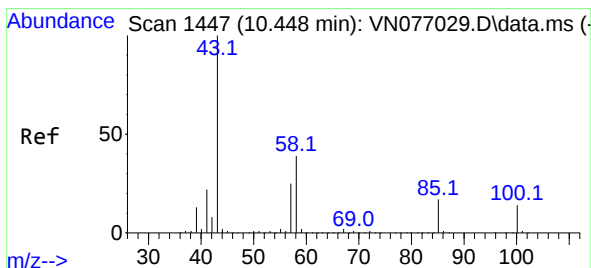
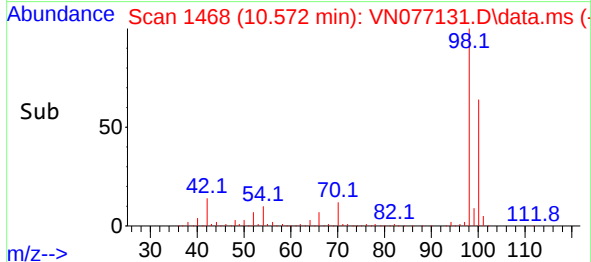
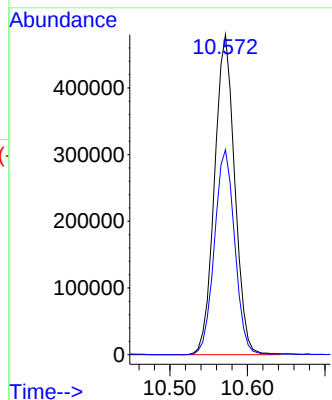
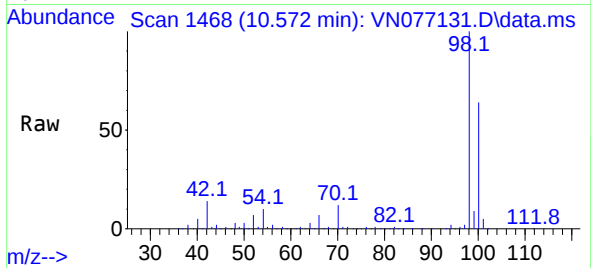




#50
Toluene-d8
Concen: 50.346 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

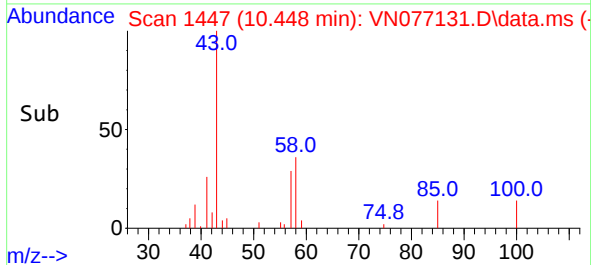
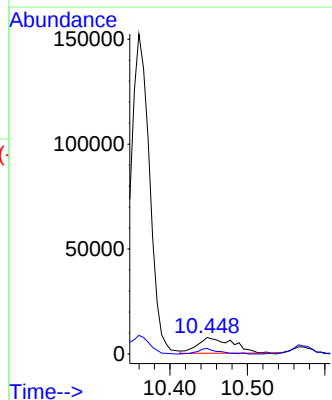
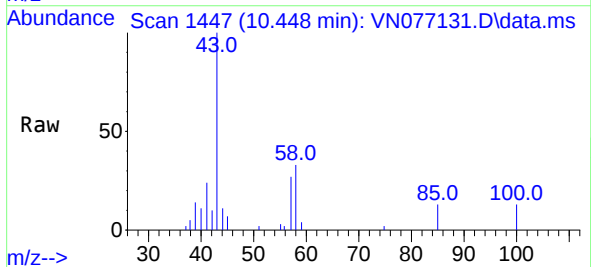
Instrument :
MSVOA_N
ClientSampleId :

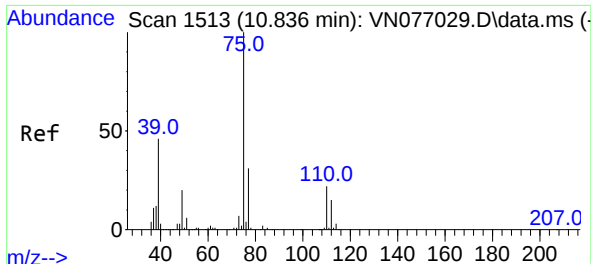
Tgt Ion: 98 Resp: 869201
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 3.055 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

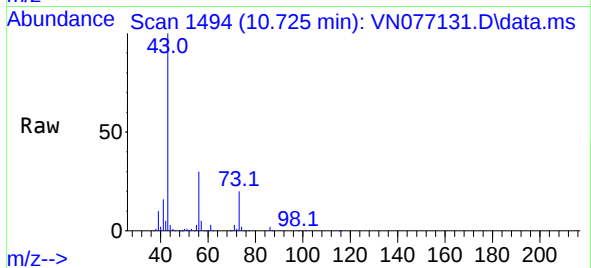
Tgt Ion: 43 Resp: 24002
Ion Ratio Lower Upper
43 100
58 20.2 31.1 46.7#



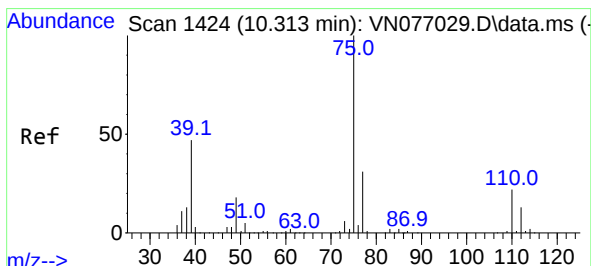
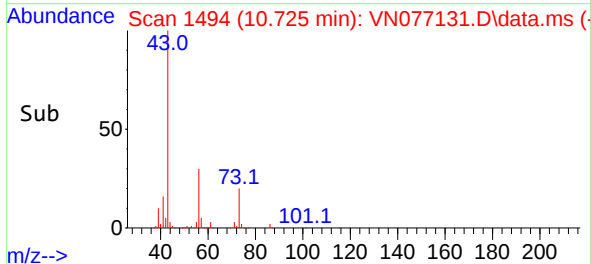
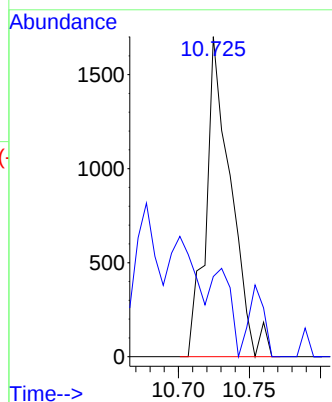


#53
t-1,3-Dichloropropene
Concen: 0.262 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.112 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Instrument :
MSVOA_N
ClientSampleId :

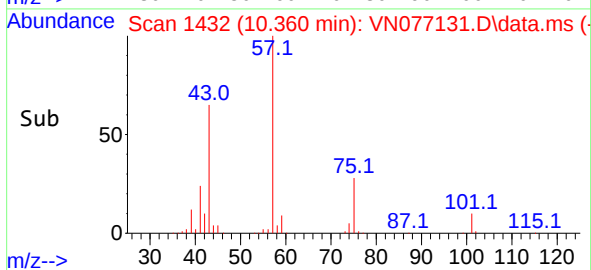
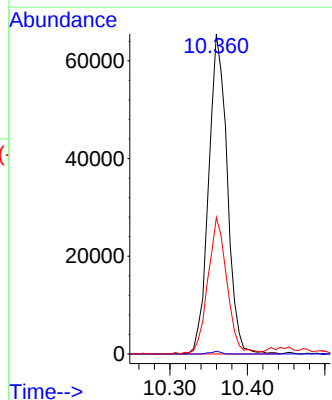
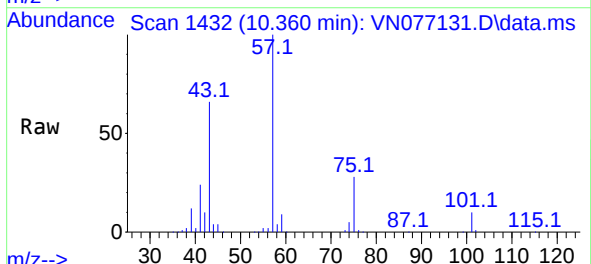


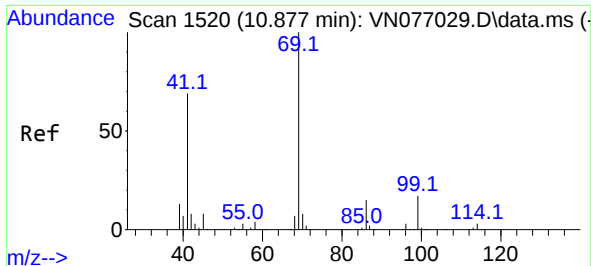
Tgt Ion: 75 Resp: 2068
Ion Ratio Lower Upper
75 100
77 25.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 12.267 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Tgt Ion: 75 Resp: 109105
Ion Ratio Lower Upper
75 100
77 0.8 24.5 36.7#
39 42.7 37.8 56.6

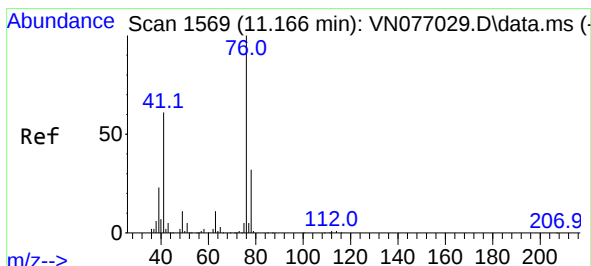
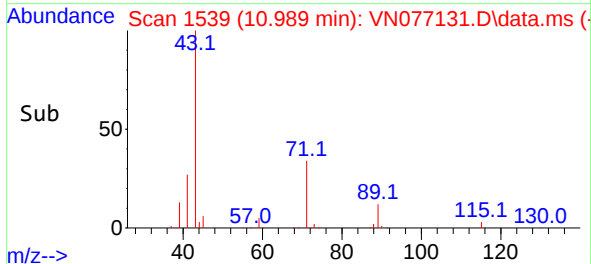
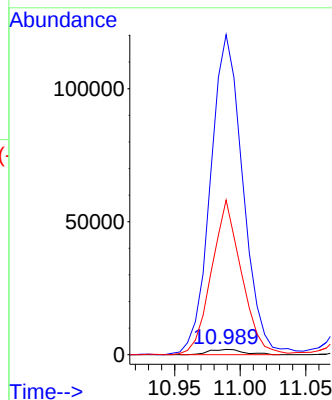
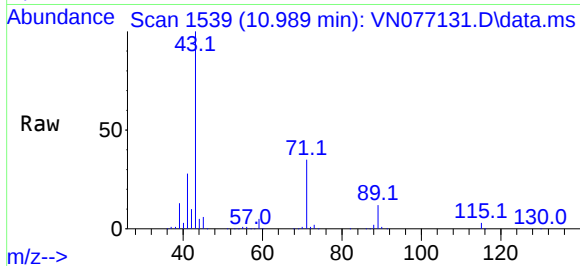




#56
Ethyl methacrylate
Concen: 0.453 ug/l
RT: 10.989 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

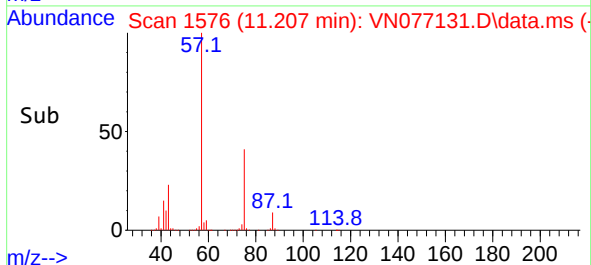
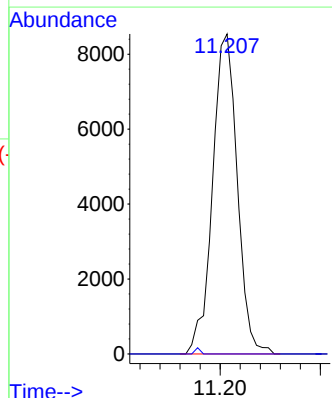
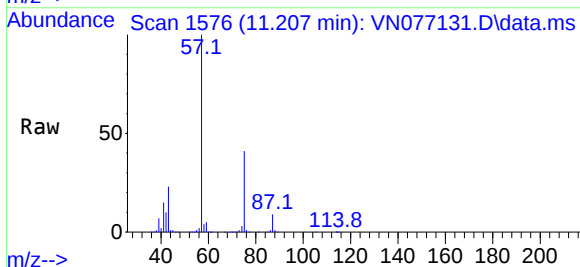
Instrument :
MSVOA_N
ClientSampleId :

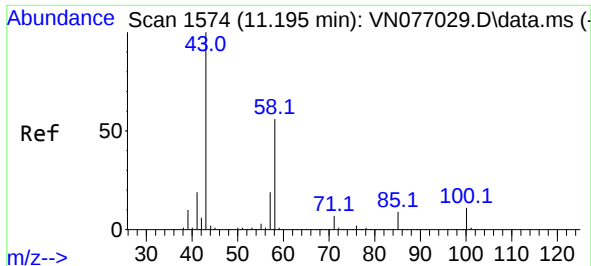
Tgt Ion: 69 Resp: 3675
Ion Ratio Lower Upper
69 100
41 5667.4 54.9 82.3#
39 2526.2 26.6 40.0#



#57
1,3-Dichloropropane
Concen: 1.481 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Tgt Ion: 76 Resp: 14612
Ion Ratio Lower Upper
76 100
78 0.0 25.3 37.9#

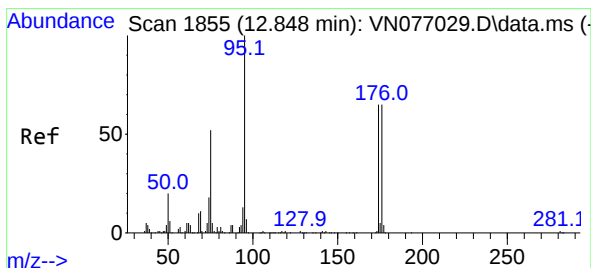
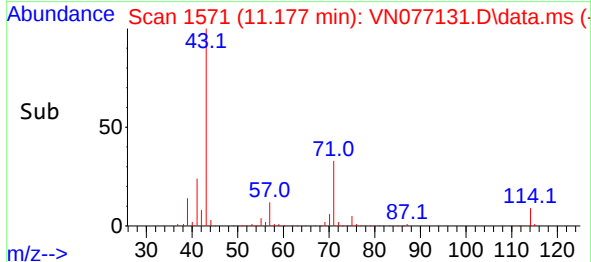
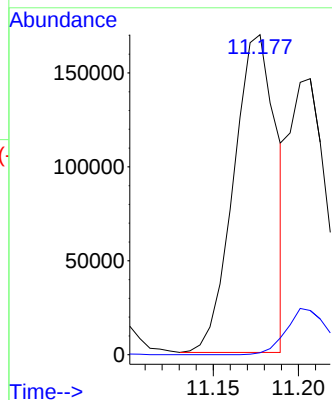
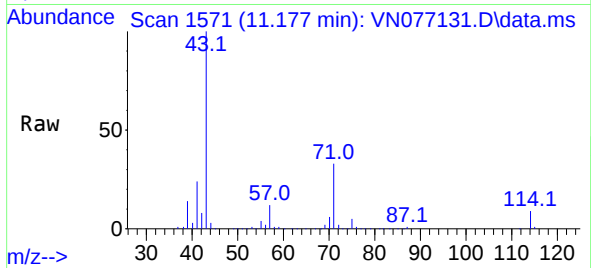




#59
2-Hexanone
Concen: 51.669 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

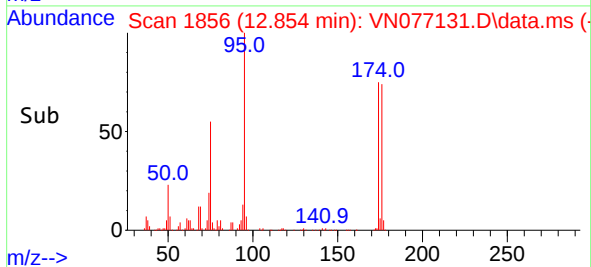
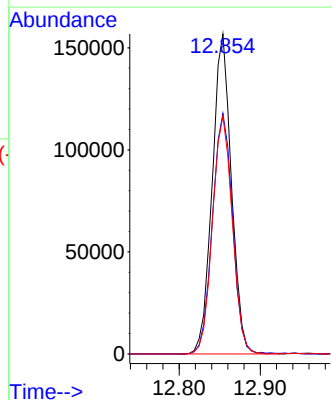
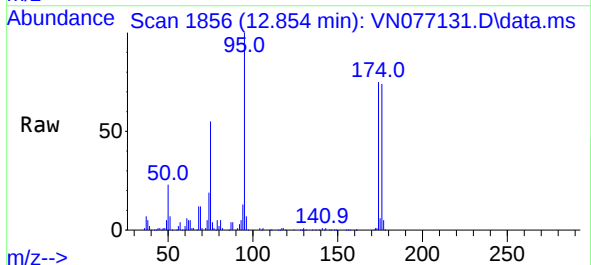
Instrument :
MSVOA_N
ClientSampleId :

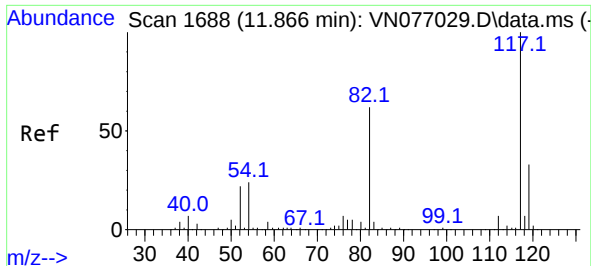
Tgt Ion: 43 Resp: 294450
Ion Ratio Lower Upper
43 100
58 0.0 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 42.122 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

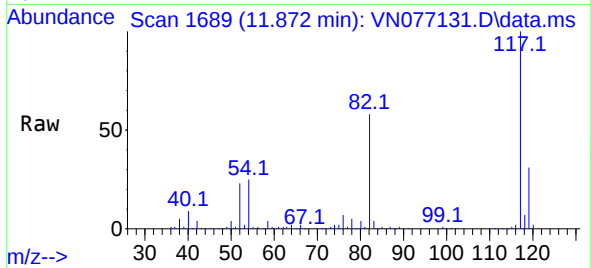
Tgt Ion: 95 Resp: 256970
Ion Ratio Lower Upper
95 100
174 79.2 0.0 136.6
176 76.9 0.0 130.0



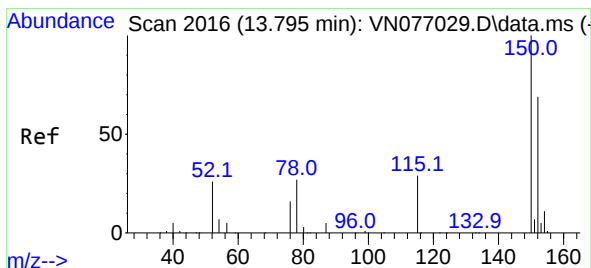
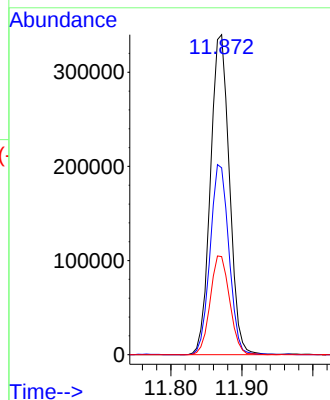
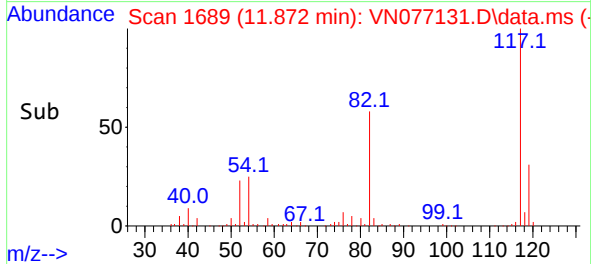


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

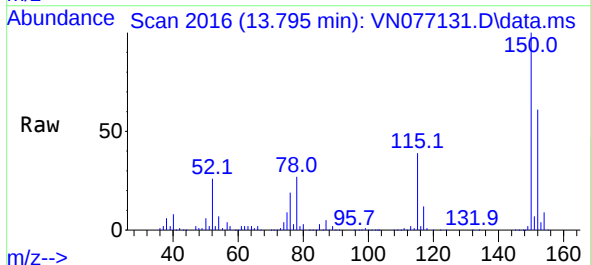
Instrument :
MSVOA_N
ClientSampleId :



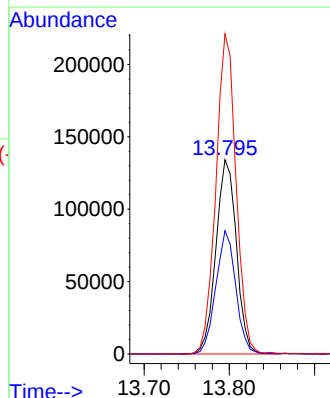
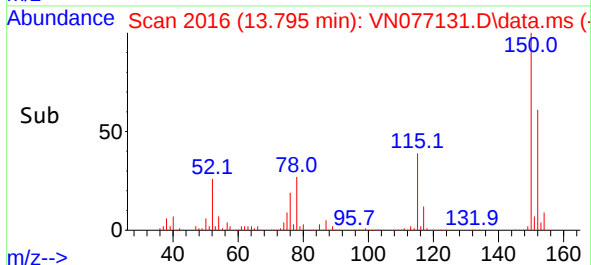
Tgt Ion:117 Resp: 629867
Ion Ratio Lower Upper
117 100
82 58.4 49.4 74.0
119 30.7 26.5 39.7

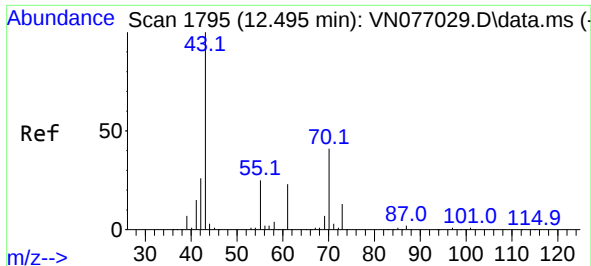


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36



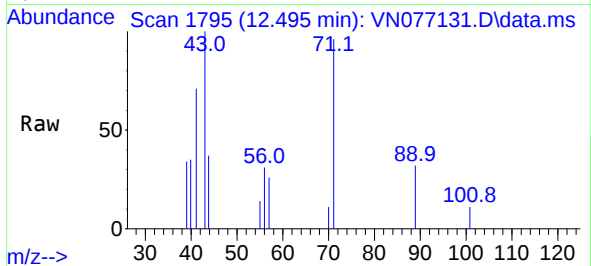
Tgt Ion:152 Resp: 224134
Ion Ratio Lower Upper
152 100
115 61.9 31.9 95.7
150 162.4 0.0 348.0



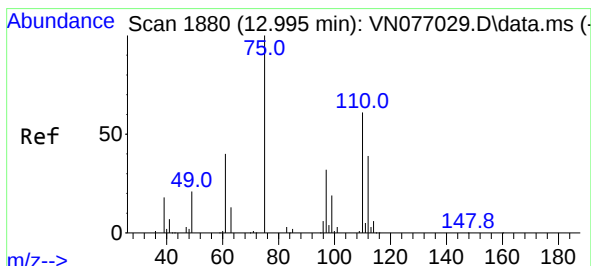
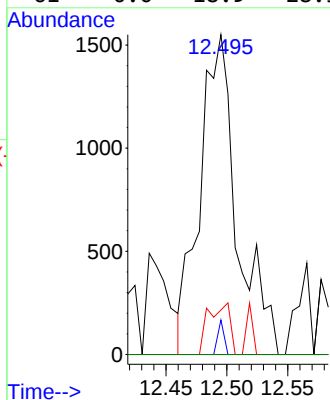
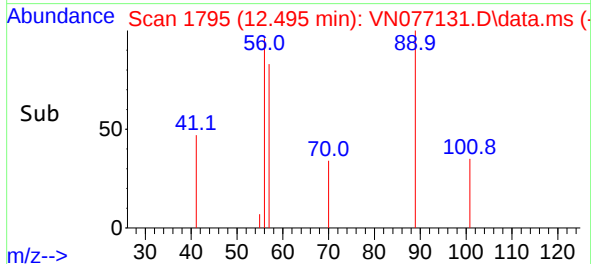


#74
N-amy1 acetate
Concen: 0.379 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Instrument :
MSVOA_N
ClientSampleId :

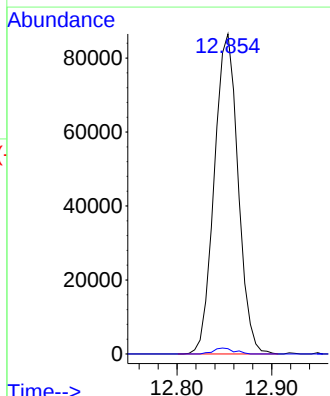
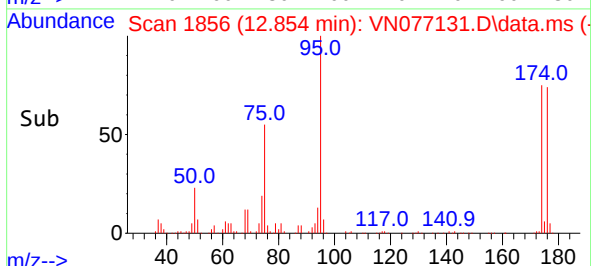
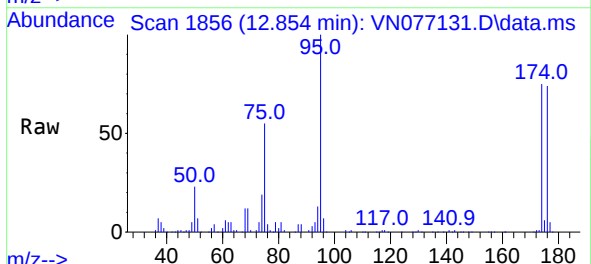


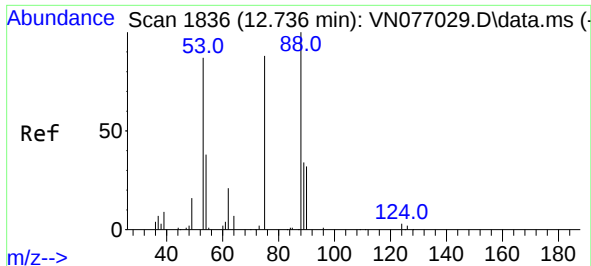
Tgt Ion: 43	Resp: 3297
Ion Ratio	Lower Upper
43 100	
70 0.0	33.6 50.4#
55 9.3	20.3 30.5#
61 0.0	18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 26.045 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Tgt Ion: 75	Resp: 150996
Ion Ratio	Lower Upper
75 100	
77 1.6	107.3 322.0#

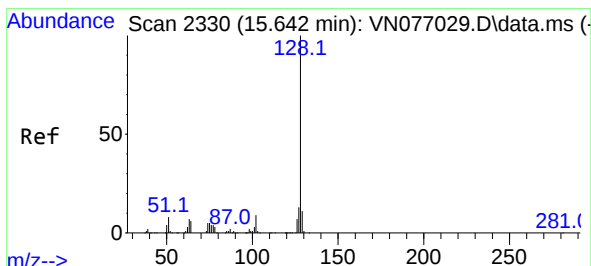
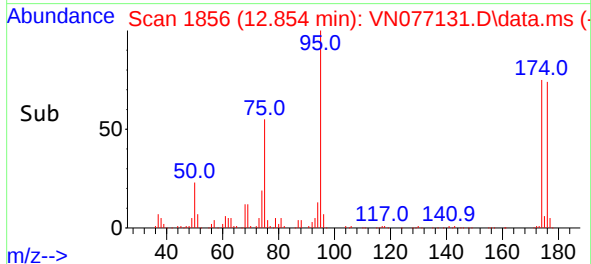
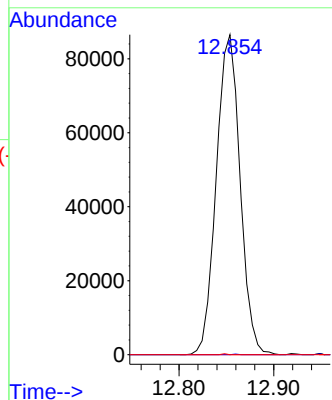
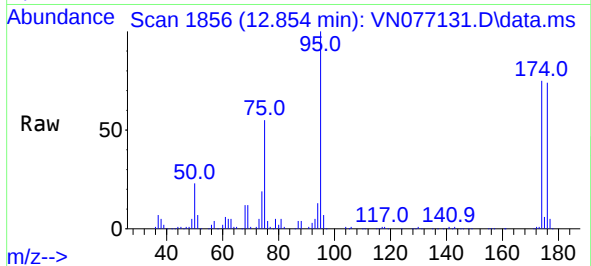




#81
trans-1,4-Dichloro-2-butene
Concen: 71.690 ug/l
RT: 12.854 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 150996
Ion Ratio Lower Upper
75 100
53 0.0 80.8 121.2#
89 0.1 34.2 51.4#



#95
Naphthalene
Concen: 1.959 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN077131.D
Acq: 23 Mar 2023 06:36

Tgt Ion:128 Resp: 733
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.6 13.0#

