

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077459.D
 Acq On : 25 Apr 2023 09:42
 Operator : JC\MD
 Sample : 02423-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPD-2WC-23-04-18

Quant Time: Apr 25 14:06:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

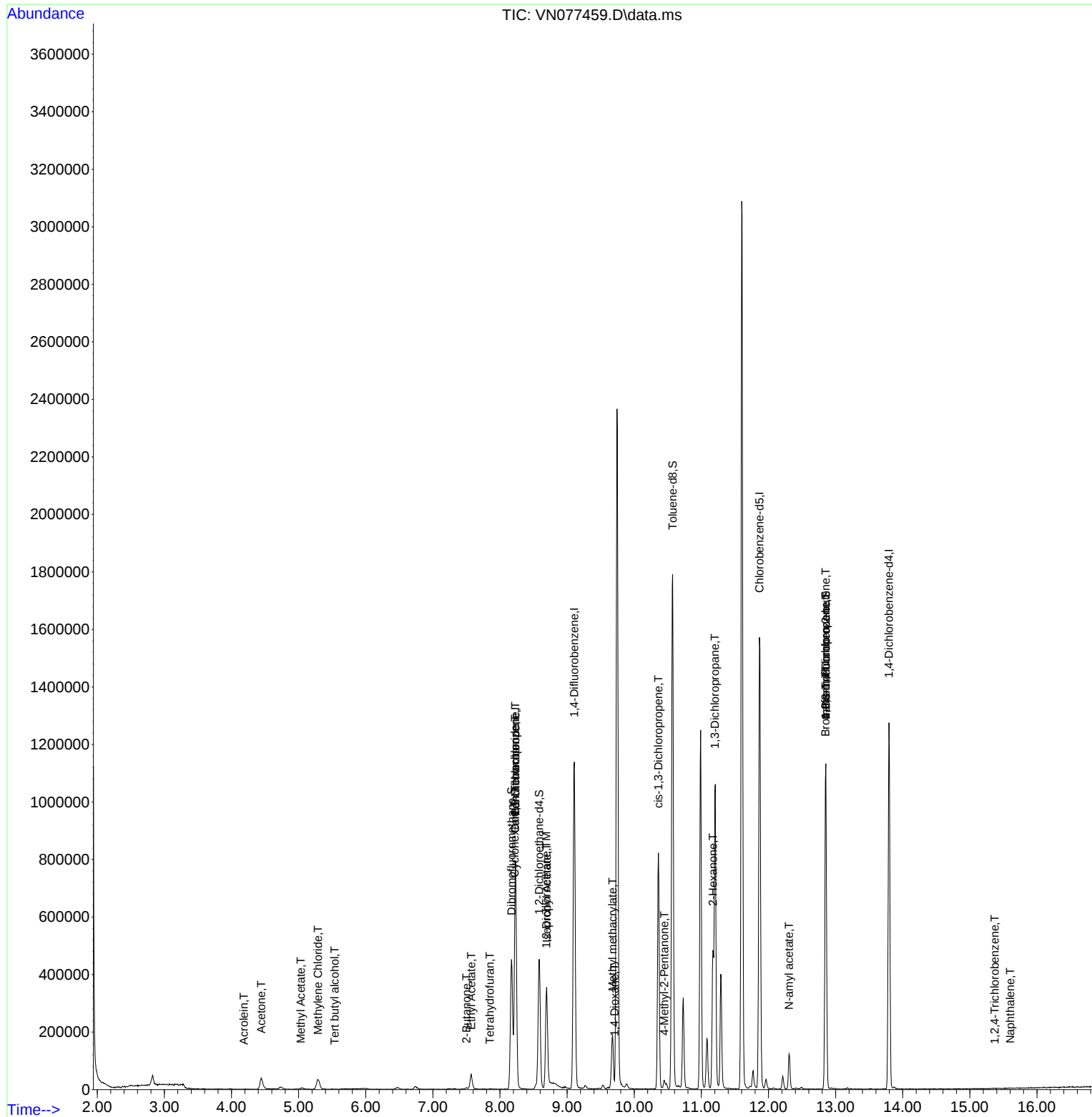
Internal Standards						
1) Pentafluorobenzene	8.230	168	561510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1041984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	971069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	341630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	373765	51.012	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.020%	
35) Dibromofluoromethane	8.172	113	326900	52.197	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.400%	
50) Toluene-d8	10.572	98	1308303	54.507	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.020%	
62) 4-Bromofluorobenzene	12.854	95	405313	51.612	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.537	59	944	0.803	ug/l #	72
13) Acrolein	4.184	56	297	0.254	ug/l #	64
16) Acetone	4.442	43	71923	30.855	ug/l	93
18) Methyl Acetate	5.031	43	3327	0.370	ug/l	97
20) Methylene Chloride	5.289	84	30870	4.176	ug/l	92
25) 2-Butanone	7.501	43	8022	2.426	ug/l #	76
29) Tetrahydrofuran	7.848	42	1379	0.666	ug/l #	69
31) Cyclohexane	8.219	56	12991	1.252	ug/l #	29
36) 1,1-Dichloropropene	8.230	75	47274	5.225	ug/l #	42
37) Ethyl Acetate	7.572	43	70678	10.280	ug/l	99
38) Carbon Tetrachloride	8.225	117	62898	6.301	ug/l #	15
42) 1,2-Dichloroethane	8.689	62	1992	0.210	ug/l #	73
43) Isopropyl Acetate	8.695	43	394383	33.157	ug/l #	88
48) Methyl methacrylate	9.677	41	9953	1.838	ug/l #	33
49) 1,4-Dioxane	9.707	88	54	0.398	ug/l #	30
51) 4-Methyl-2-Pentanone	10.448	43	14479	2.075	ug/l	87
54) cis-1,3-Dichloropropene	10.360	75	169873	15.209	ug/l #	67
57) 1,3-Dichloropropane	11.201	76	13047	1.128	ug/l #	42
59) 2-Hexanone	11.171	43	466665	92.022	ug/l #	19
71) Bromoform	12.848	173	1922	0.393	ug/l #	28
74) N-amyl acetate	12.307	43	32848	3.500	ug/l #	48
76) 1,2,3-Trichloropropane	12.854	75	222064	27.953	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	222064	78.971	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.371	180	267	0.905	ug/l #	14
95) Naphthalene	15.601	128	783	1.226	ug/l #	80

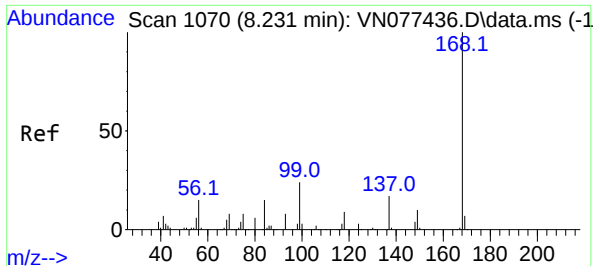
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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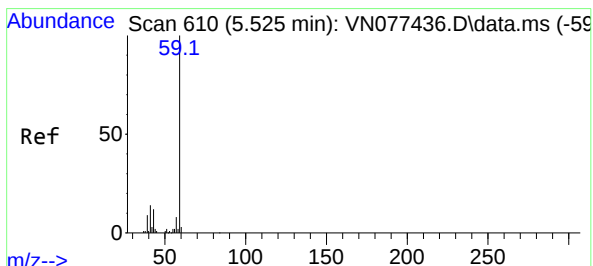
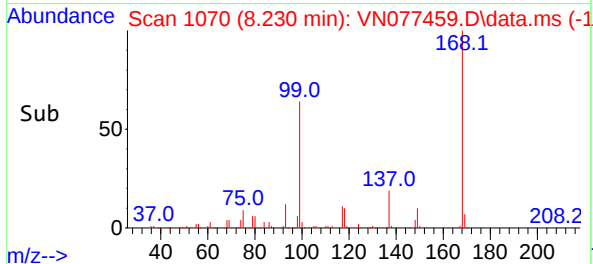
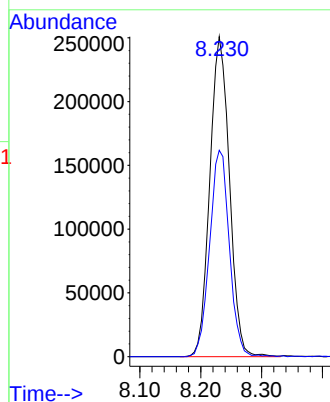
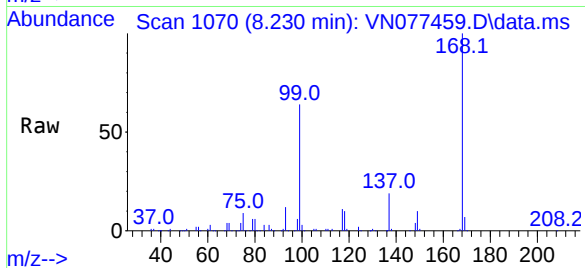




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

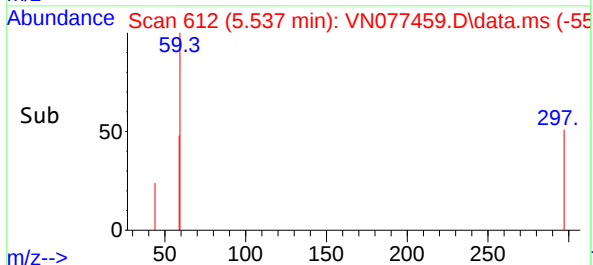
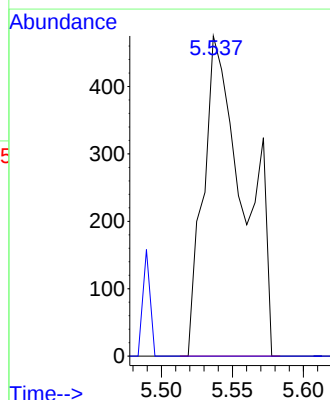
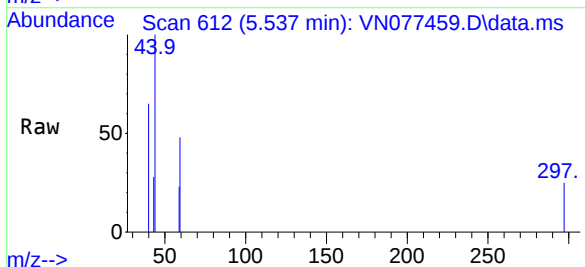
Instrument :
MSVOA_N
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SPD-2WC-23-04-18

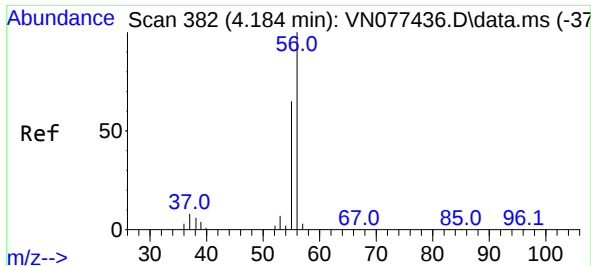
Tgt Ion:168 Resp: 561510
Ion Ratio Lower Upper
168 100
99 64.5 53.0 79.6



#11
Tert butyl alcohol
Concen: 0.803 ug/l
RT: 5.537 min Scan# 612
Delta R.T. 0.012 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Tgt Ion: 59 Resp: 944
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

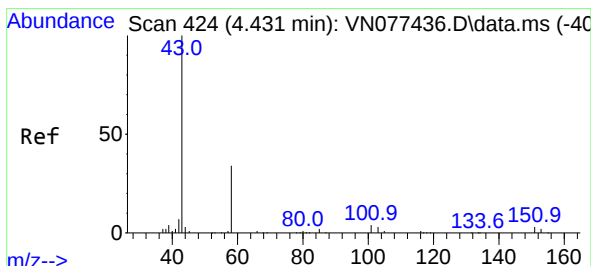
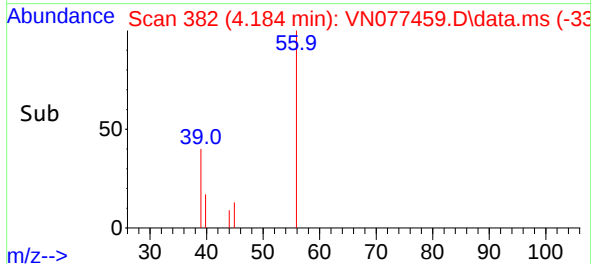
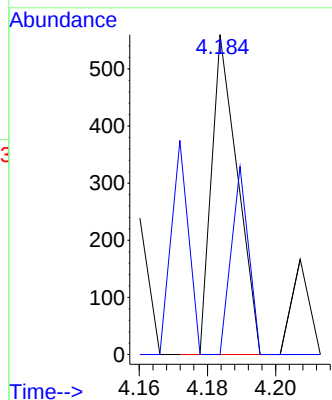
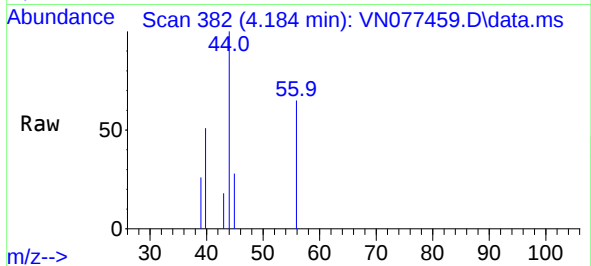




#13
Acrolein
Concen: 0.254 ug/l
RT: 4.184 min Scan# 382
Delta R.T. -0.000 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

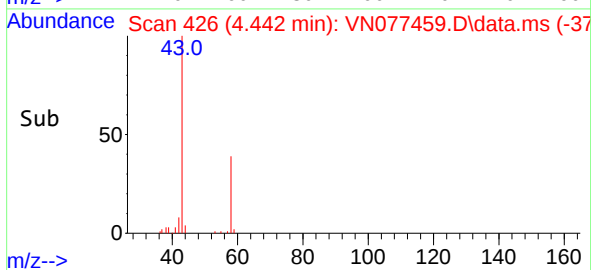
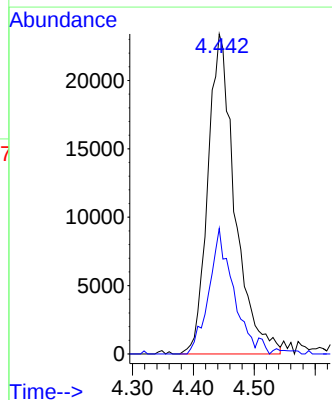
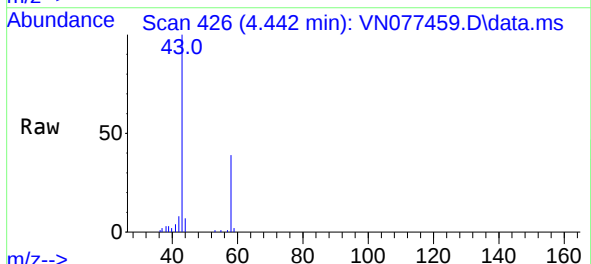
Instrument :
MSVOA_N
ClientSampleId :
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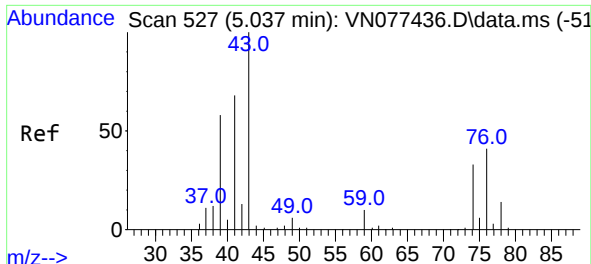
Tgt Ion: 56 Resp: 297
Ion Ratio Lower Upper
56 100
55 39.1 54.5 81.7#



#16
Acetone
Concen: 30.855 ug/l
RT: 4.442 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Tgt Ion: 43 Resp: 71923
Ion Ratio Lower Upper
43 100
58 39.2 28.0 42.0

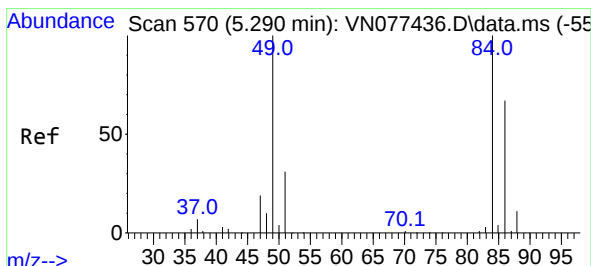
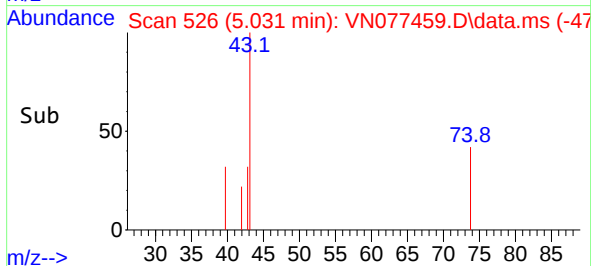
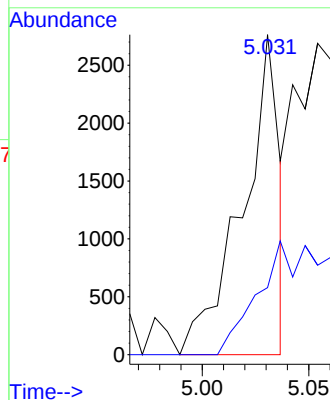
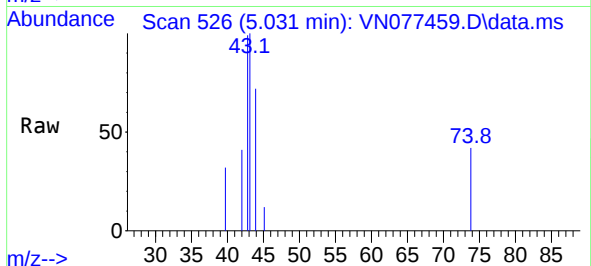




#18
Methyl Acetate
Concen: 0.370 ug/l
RT: 5.031 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

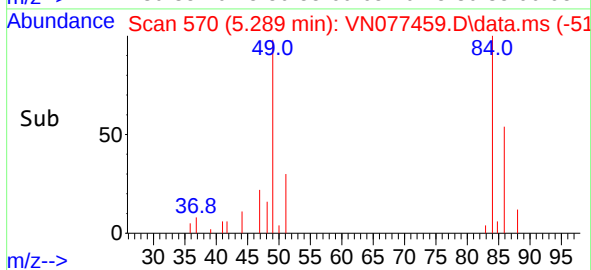
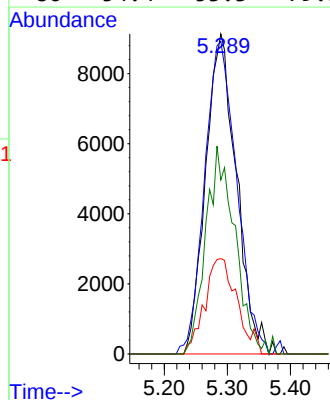
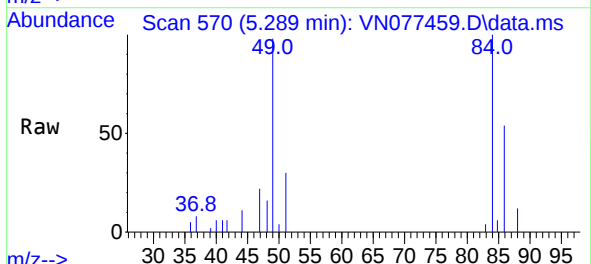
Instrument :
MSVOA_N
ClientSampleId :
SPD-2WC-23-04-18

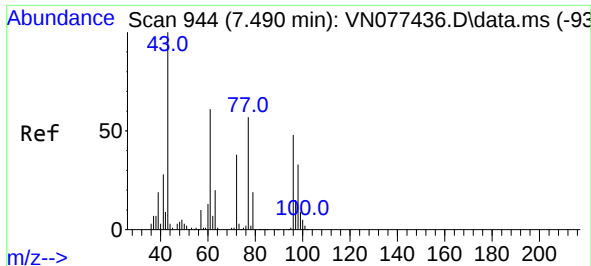
Tgt Ion: 43 Resp: 3327
Ion Ratio Lower Upper
43 100
74 34.6 26.2 39.4



#20
Methylene Chloride
Concen: 4.176 ug/l
RT: 5.289 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Tgt Ion: 84 Resp: 30870
Ion Ratio Lower Upper
84 100
49 95.3 79.7 119.5
51 29.8 25.2 37.8
86 54.4 53.3 79.9

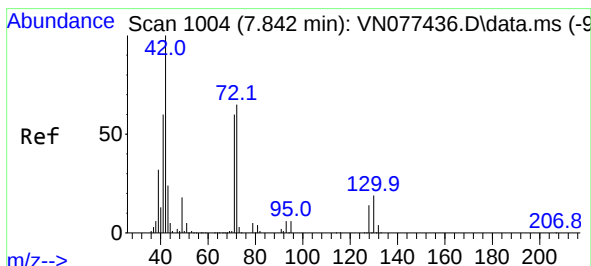
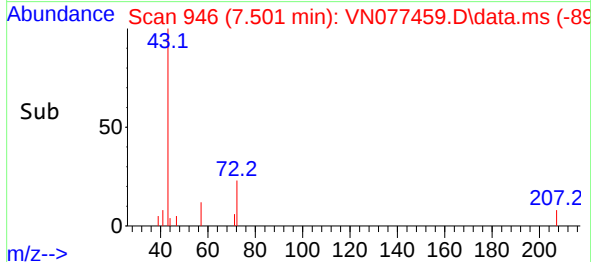
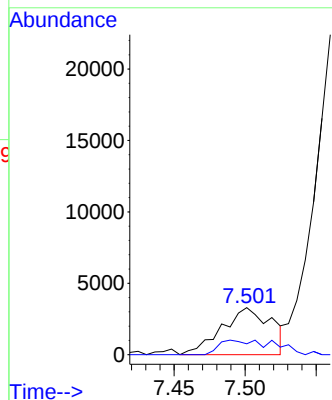
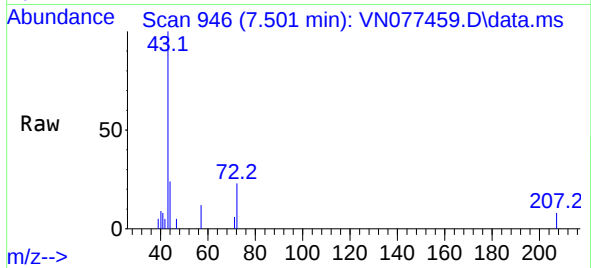




#25
2-Butanone
Concen: 2.426 ug/l
RT: 7.501 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

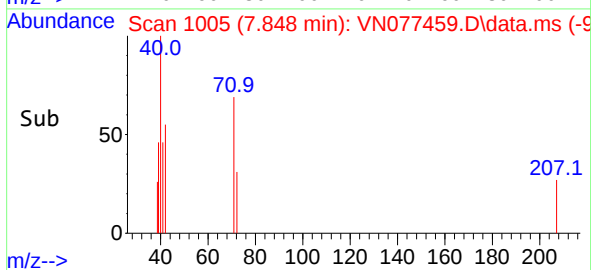
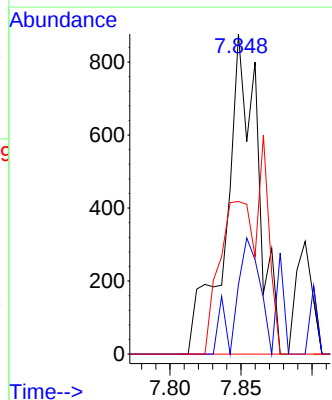
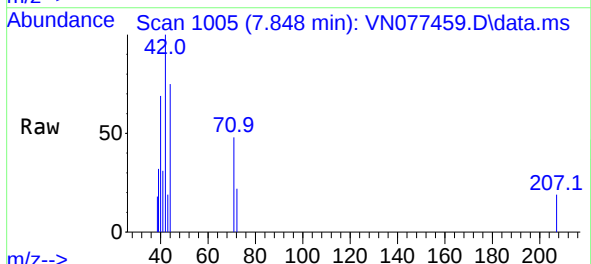
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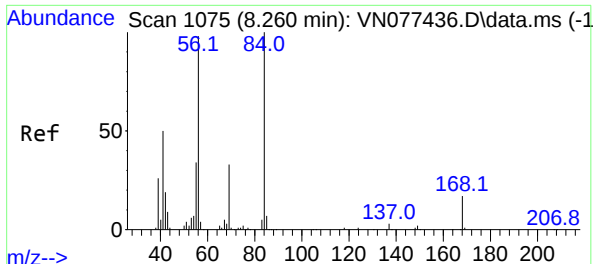
Tgt Ion: 43 Resp: 8022
Ion Ratio Lower Upper
43 100
72 23.1 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.666 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

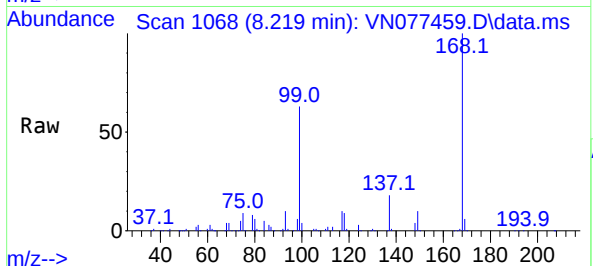
Tgt Ion: 42 Resp: 1379
Ion Ratio Lower Upper
42 100
72 27.6 49.8 74.6#
71 71.6 47.4 71.2#



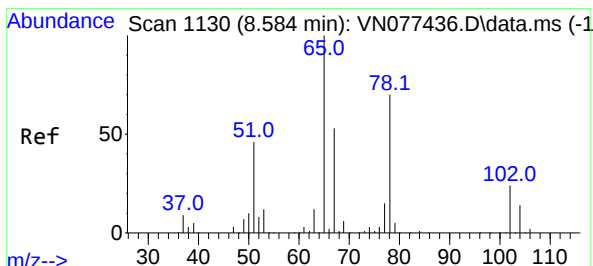
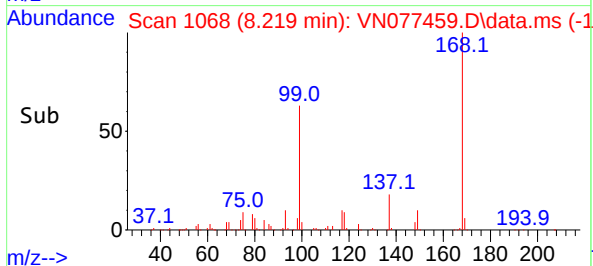
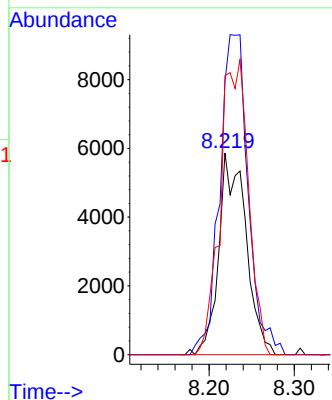


#31
Cyclohexane
Concen: 1.252 ug/l
RT: 8.219 min Scan# 1068
Delta R.T. -0.041 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Instrument :
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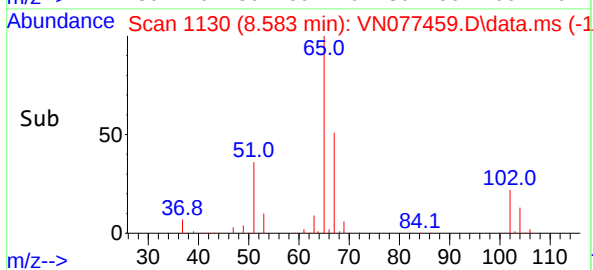
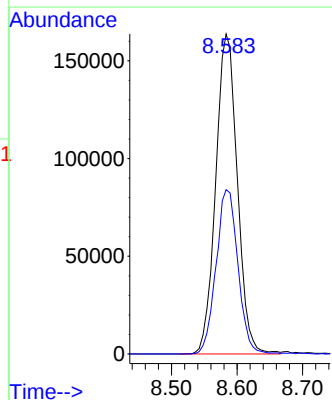
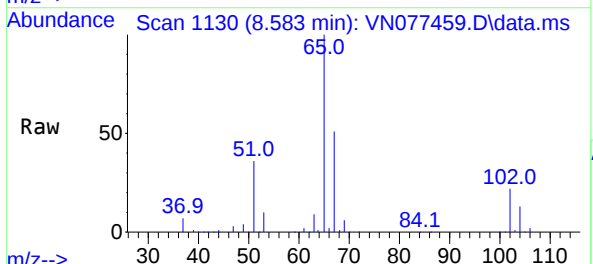


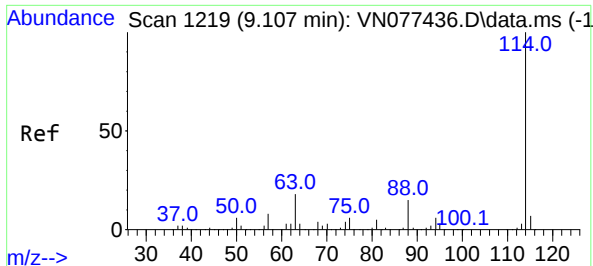
Tgt Ion: 56 Resp: 12991
Ion Ratio Lower Upper
56 100
69 135.4 26.8 40.2#
84 138.4 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 51.012 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Tgt Ion: 65 Resp: 373765
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.6

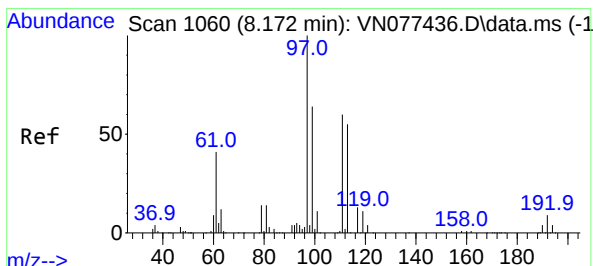
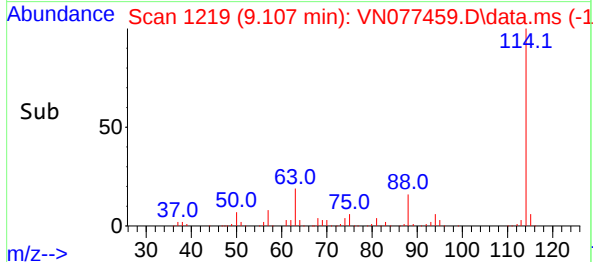
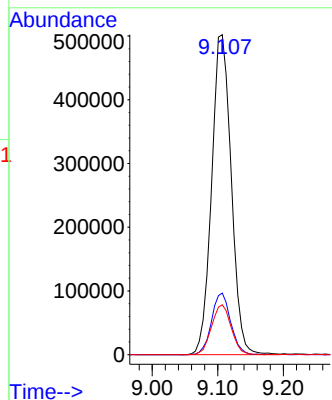
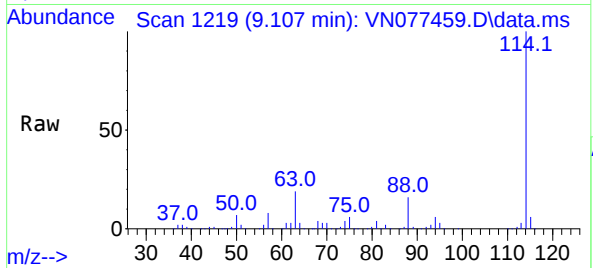




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

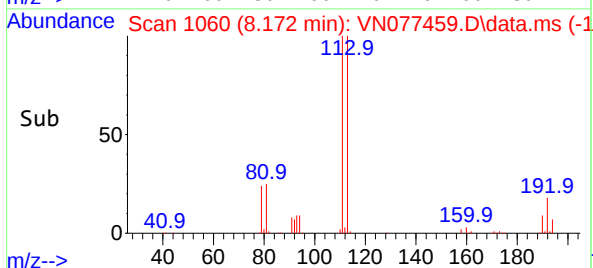
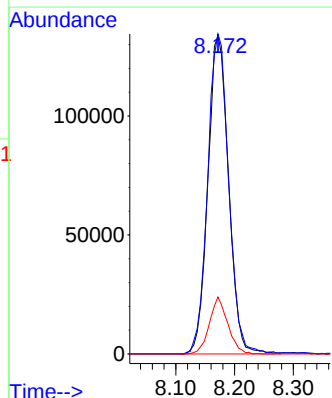
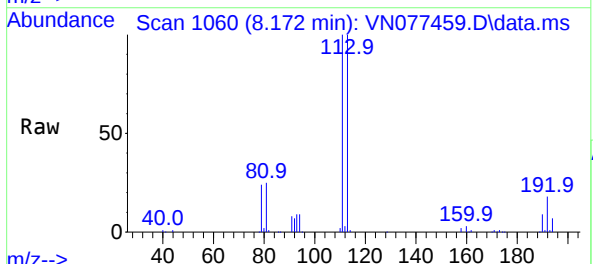
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MSVOA_N
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SPD-2WC-23-04-18

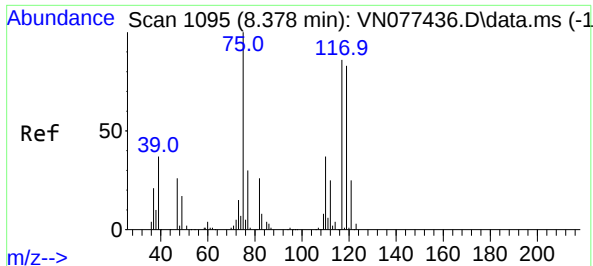
Tgt Ion:114 Resp: 1041984
Ion Ratio Lower Upper
114 100
63 19.3 0.0 36.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.197 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Tgt Ion:113 Resp: 326900
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 15.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.225 ug/l

RT: 8.230 min Scan# 110

Delta R.T. -0.147 min

Lab File: VN077459.D

Acq: 25 Apr 2023 09:42

Instrument :

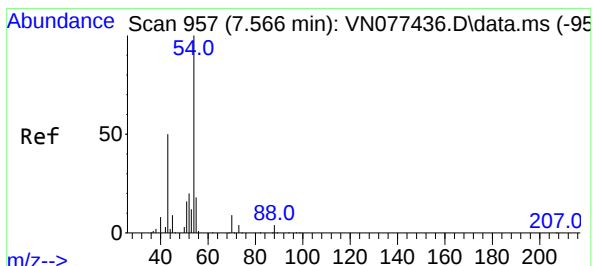
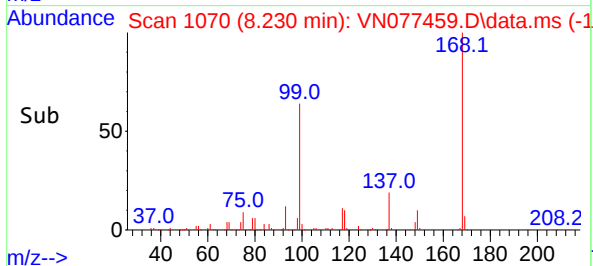
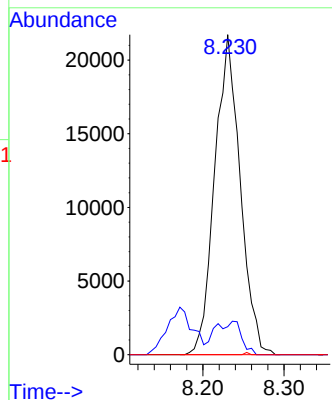
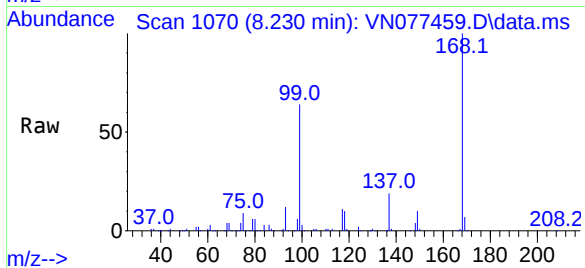
MSVOA_N

ClientSampleId :

SPD-2WC-23-04-18

Tgt Ion: 75 Resp: 47274

Ion	Ratio	Lower	Upper
75	100		
110	2.9	19.1	57.3#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 10.280 ug/l

RT: 7.572 min Scan# 958

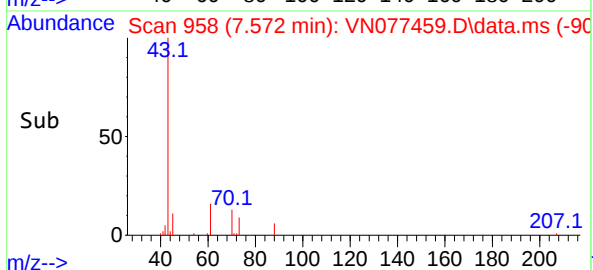
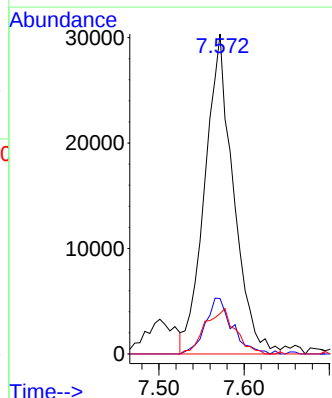
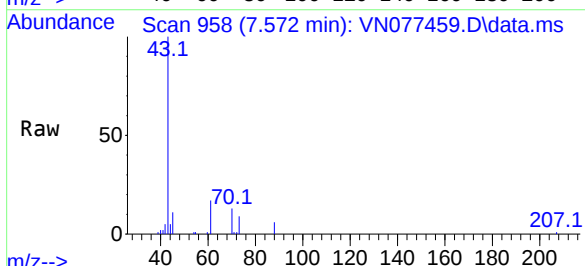
Delta R.T. 0.006 min

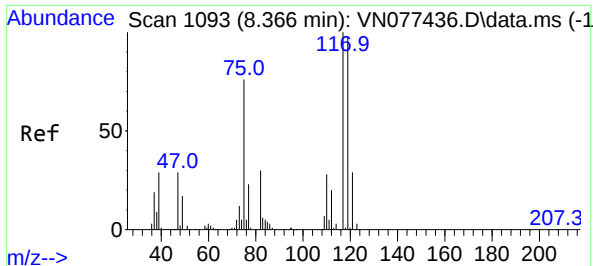
Lab File: VN077459.D

Acq: 25 Apr 2023 09:42

Tgt Ion: 43 Resp: 70678

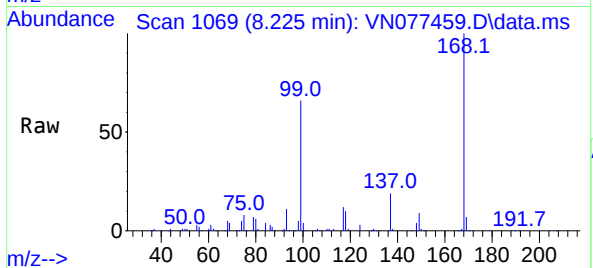
Ion	Ratio	Lower	Upper
43	100		
61	16.7	13.2	19.8
70	15.0	11.3	16.9



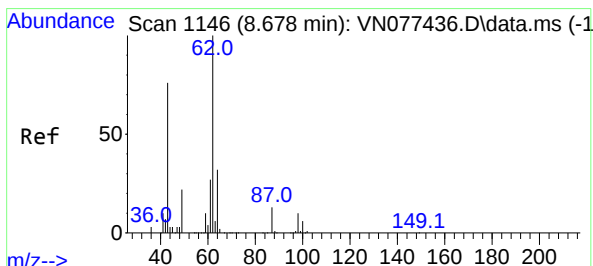
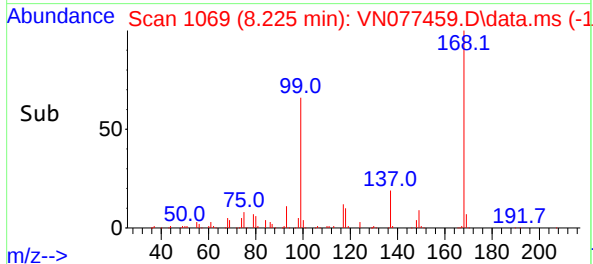
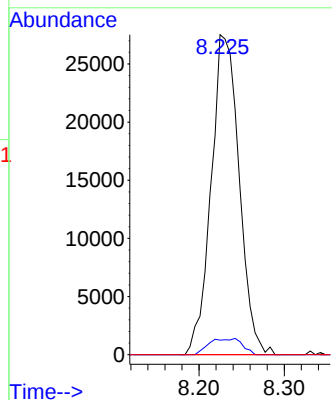


#38
Carbon Tetrachloride
Concen: 6.301 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.141 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Instrument :
MSVOA_N
ClientSampleId :
SPD-2WC-23-04-18

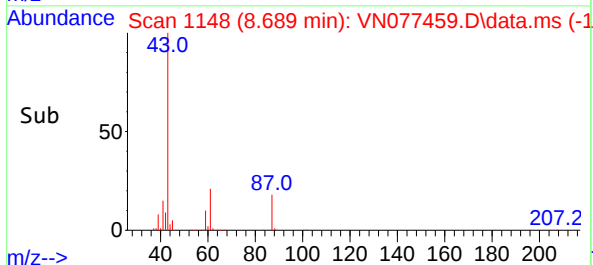
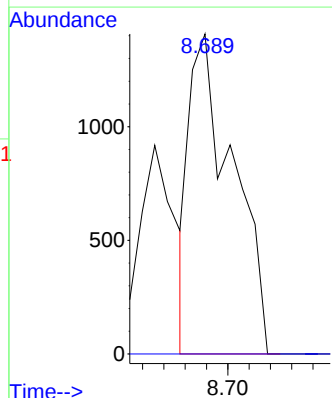
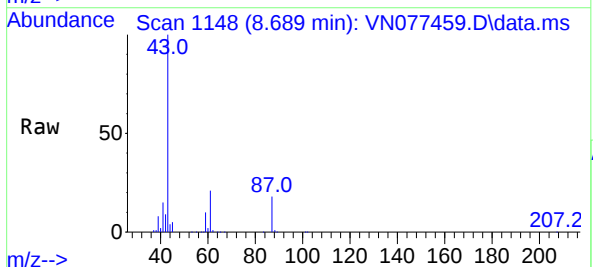


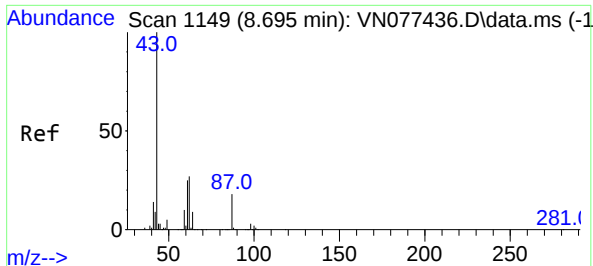
Tgt Ion:117 Resp: 62898
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.210 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.012 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Tgt Ion: 62 Resp: 1992
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

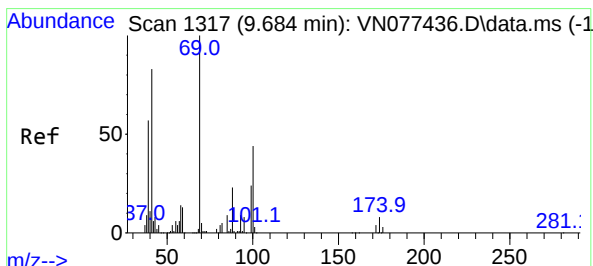
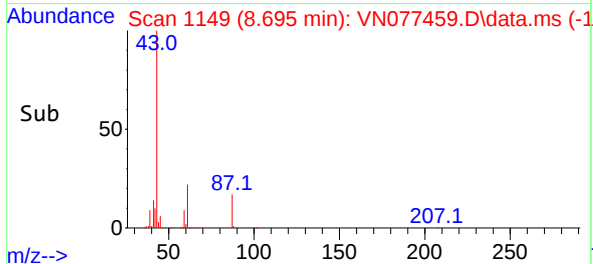
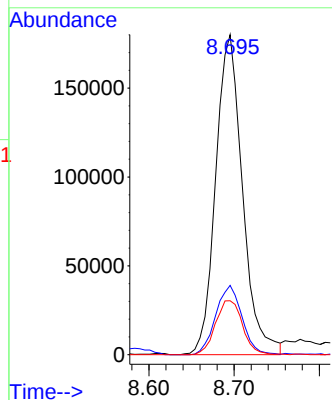
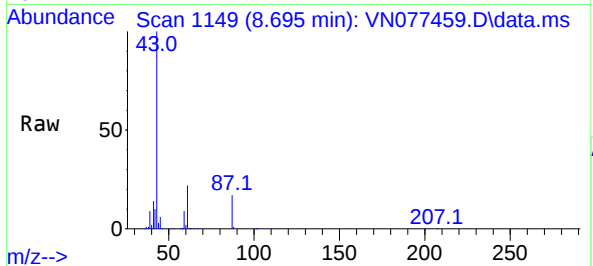




#43
Isopropyl Acetate
Concen: 33.157 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

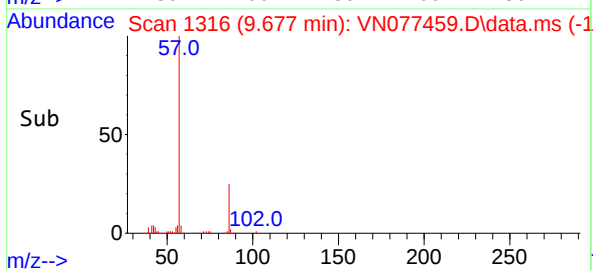
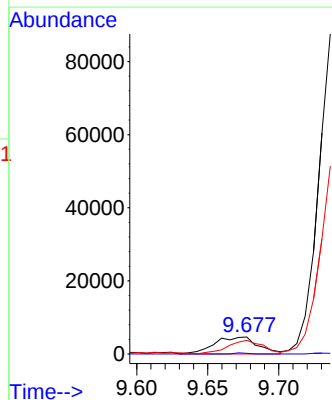
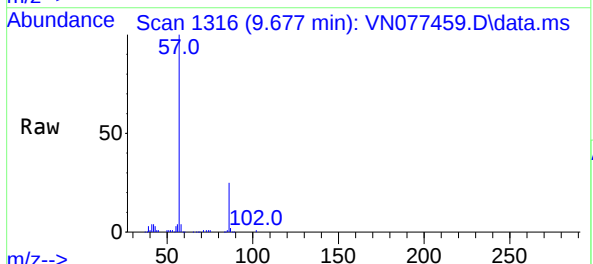
Instrument :
MSVOA_N
ClientSampleId :
SPD-2WC-23-04-18

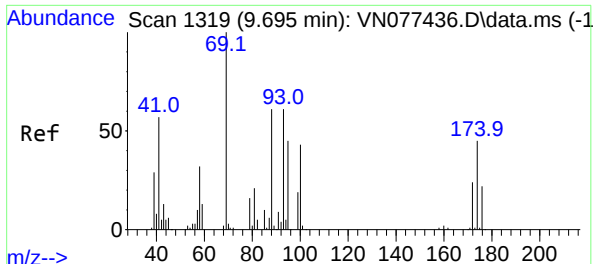
Tgt Ion: 43 Resp: 394383
Ion Ratio Lower Upper
43 100
61 21.2 24.7 37.1#
87 17.0 14.6 21.8



#48
Methyl methacrylate
Concen: 1.838 ug/l
RT: 9.677 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Tgt Ion: 41 Resp: 9953
Ion Ratio Lower Upper
41 100
69 1.7 90.4 135.6#
39 64.2 54.6 81.8

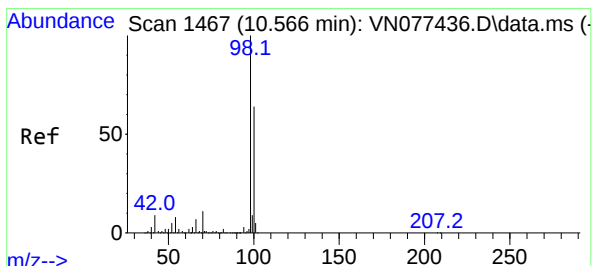
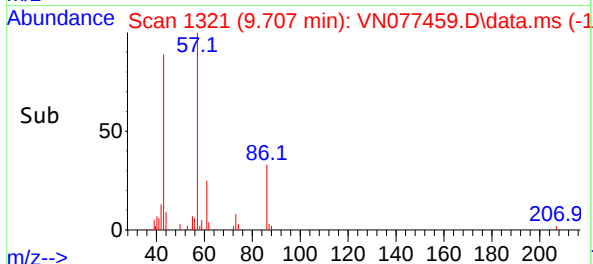
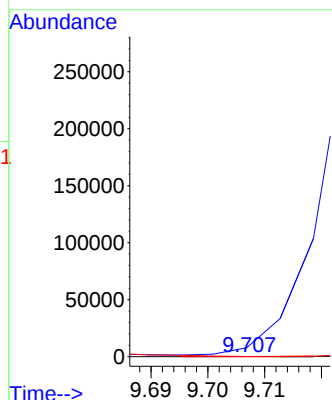
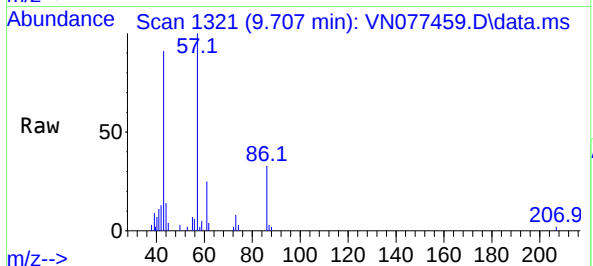




#49
1,4-Dioxane
Concen: 0.398 ug/l
RT: 9.707 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

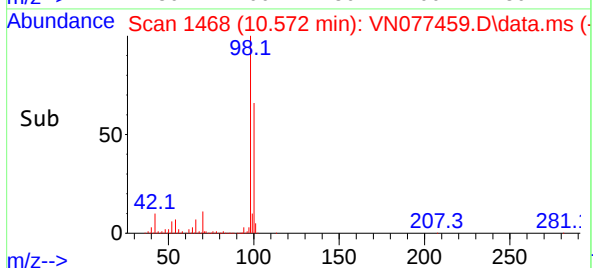
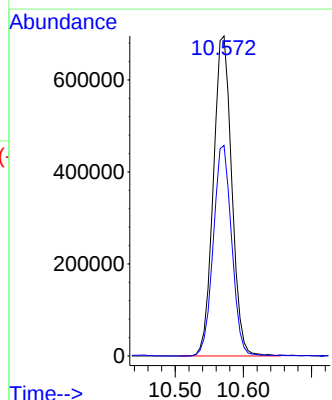
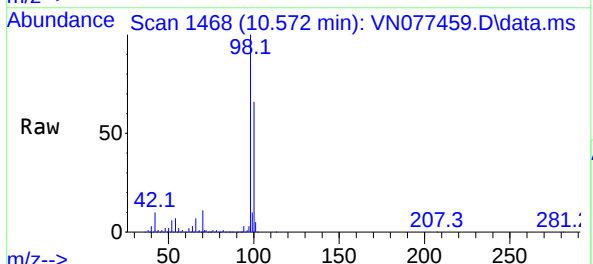
Instrument :
MSVOA_N
ClientSampleId :
SPD-2WC-23-04-18

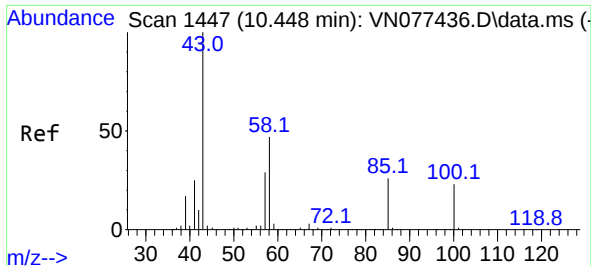
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#



#50
Toluene-d8
Concen: 54.507 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Tgt Ion: 98 Resp: 1308303
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0

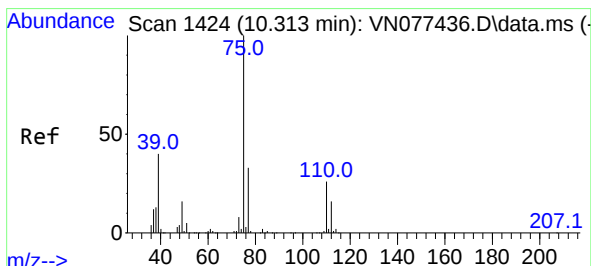
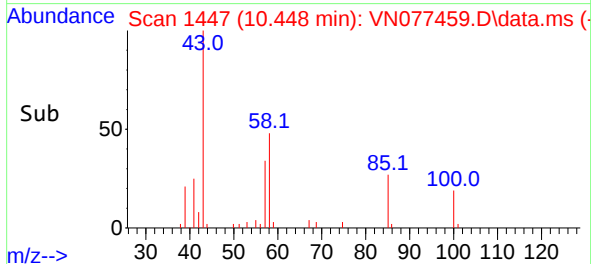
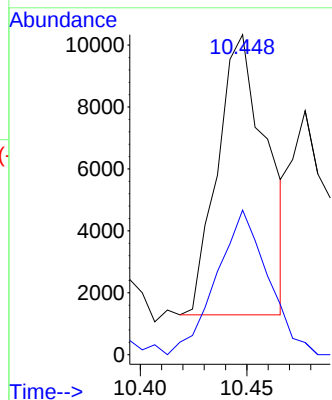
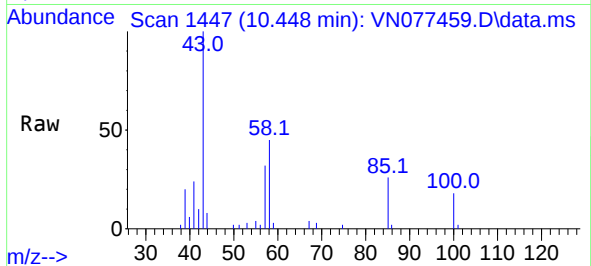




#51
4-Methyl-2-Pentanone
Concen: 2.075 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

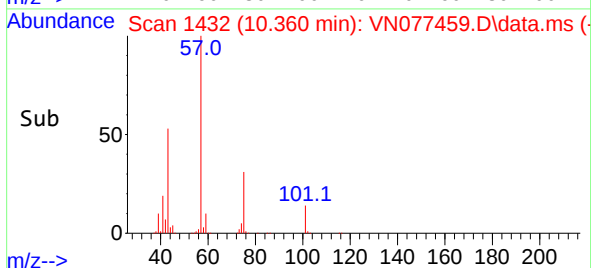
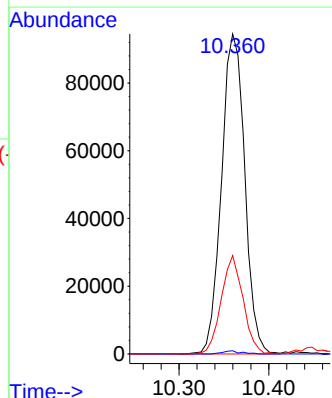
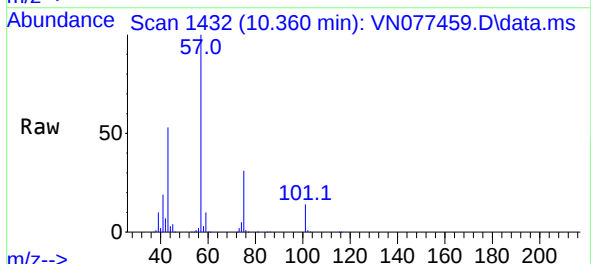
Instrument :
MSVOA_N
ClientSampleId :
SPD-2WC-23-04-18

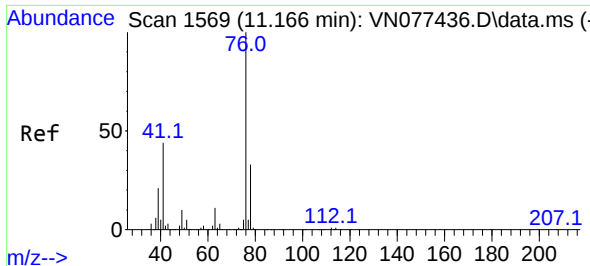
Tgt Ion: 43 Resp: 14479
Ion Ratio Lower Upper
43 100
58 54.3 36.6 54.8



#54
cis-1,3-Dichloropropene
Concen: 15.209 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

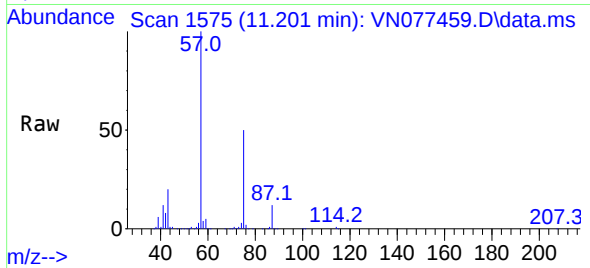
Tgt Ion: 75 Resp: 169873
Ion Ratio Lower Upper
75 100
77 1.0 26.1 39.1#
39 30.7 31.6 47.4#



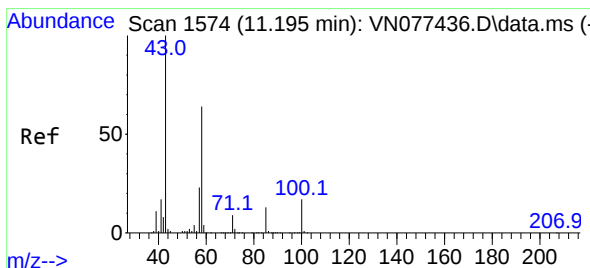
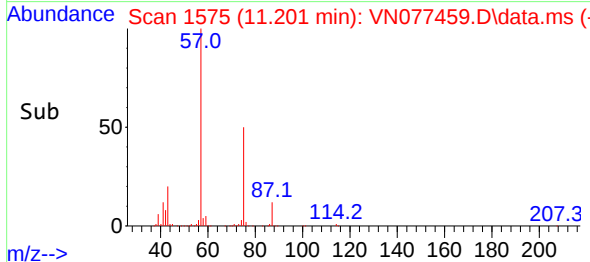
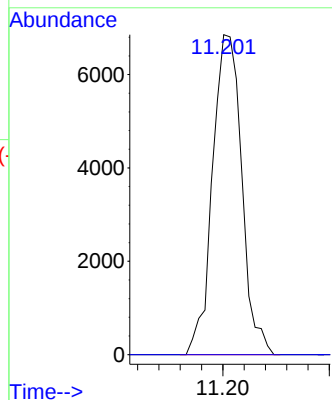


#57
1,3-Dichloropropane
Concen: 1.128 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Instrument :
MSVOA_N
ClientSampleId :
SPD-2WC-23-04-18

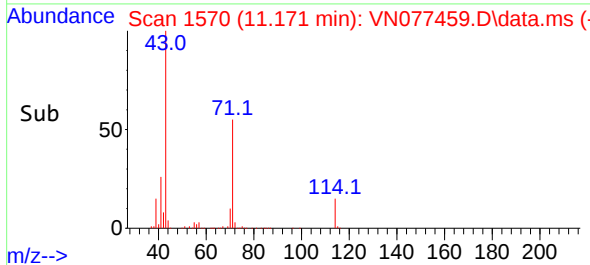
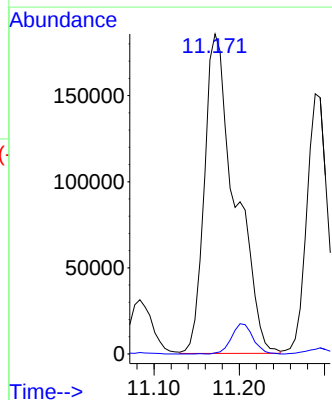
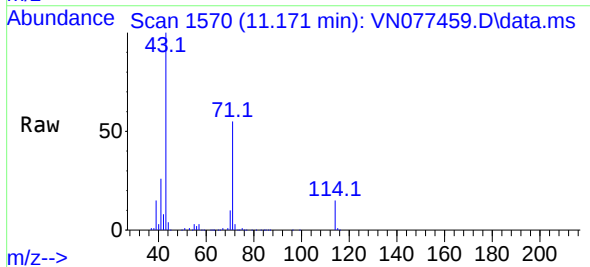


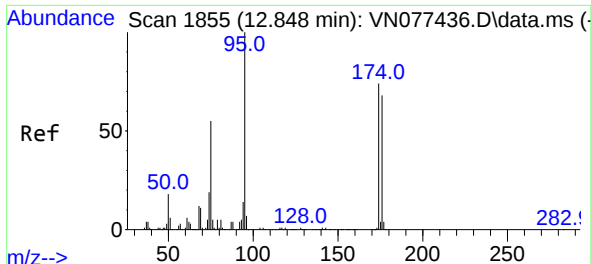
Tgt Ion: 76 Resp: 13047
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 92.022 ug/l
RT: 11.171 min Scan# 1570
Delta R.T. -0.024 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Tgt Ion: 43 Resp: 466665
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

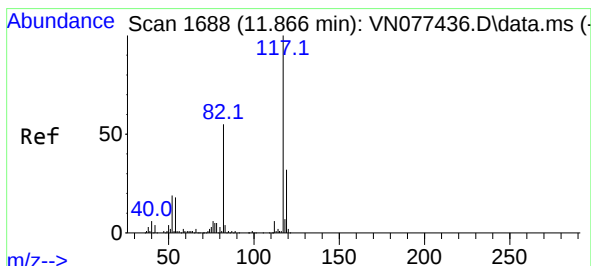
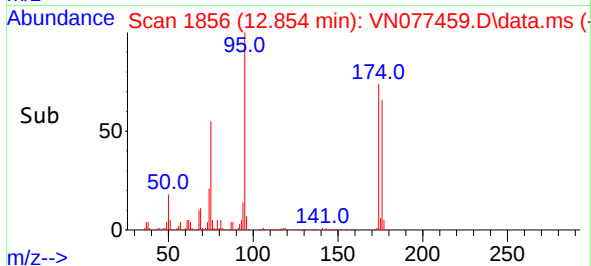
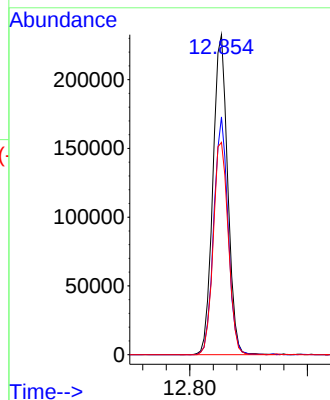
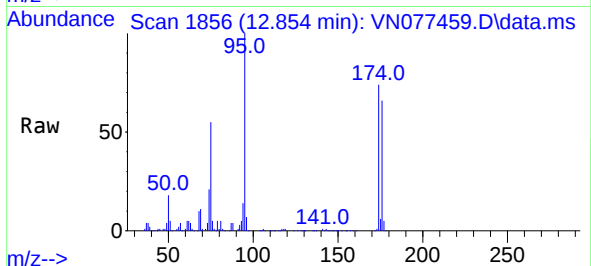




#62
4-Bromofluorobenzene
Concen: 51.612 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

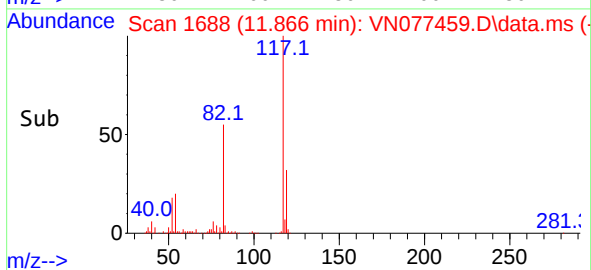
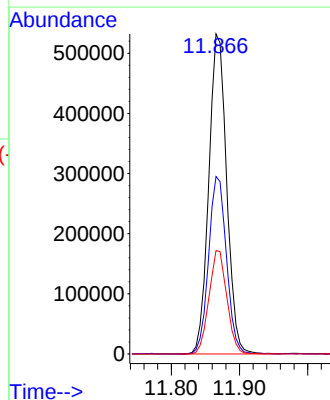
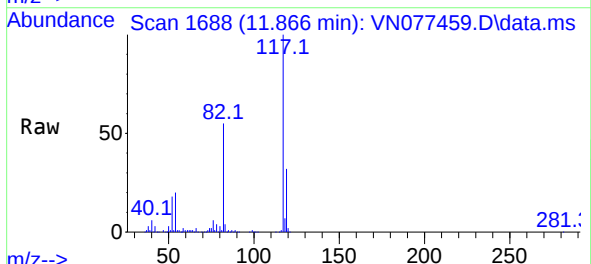
Instrument :
MSVOA_N
ClientSampleId :
SPD-2WC-23-04-18

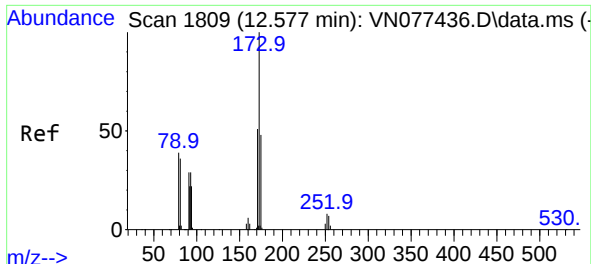
Tgt Ion: 95 Resp: 405313
Ion Ratio Lower Upper
95 100
174 71.7 0.0 143.8
176 67.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Tgt Ion: 117 Resp: 971069
Ion Ratio Lower Upper
117 100
82 55.5 44.0 66.0
119 32.3 25.6 38.4

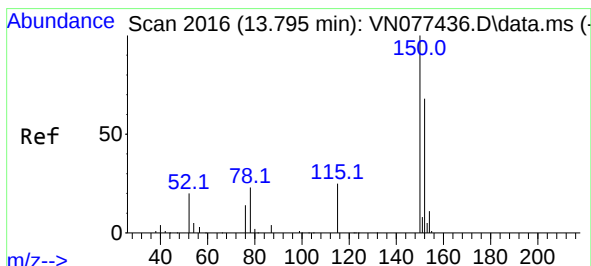
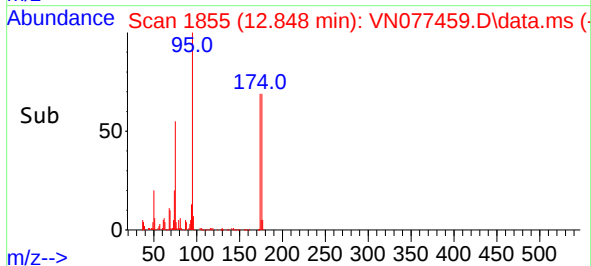
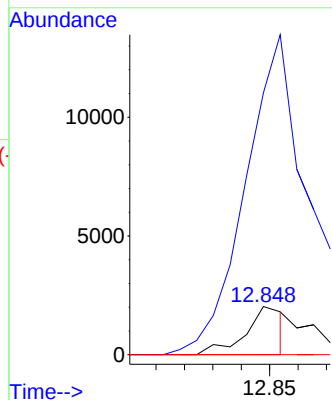
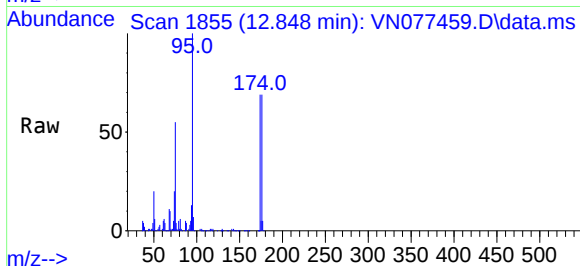




#71
Bromoform
Concen: 0.393 ug/l
RT: 12.848 min Scan# 1809
Delta R.T. 0.270 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

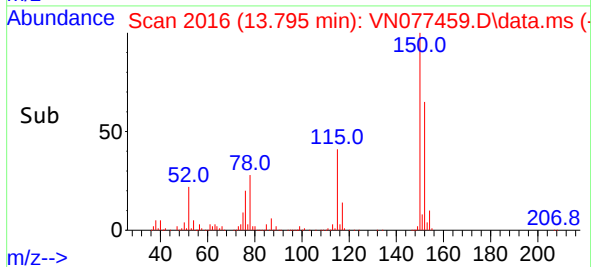
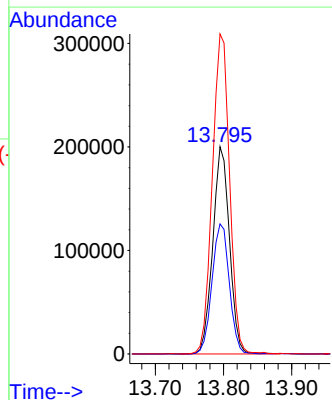
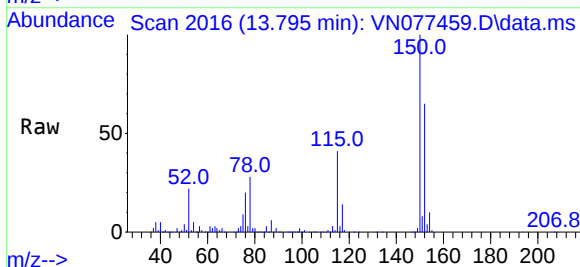
Instrument :
MSVOA_N
ClientSampleId :
SPD-2WC-23-04-18

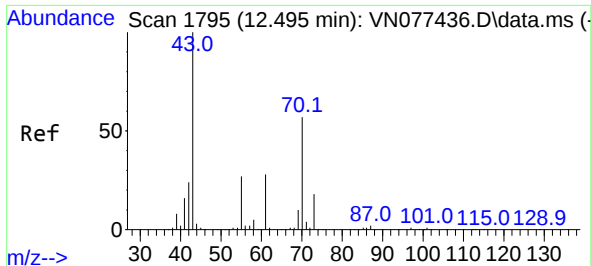
Tgt Ion:173 Resp: 1922
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Tgt Ion:152 Resp: 341630
Ion Ratio Lower Upper
152 100
115 65.0 32.3 96.8
150 159.5 0.0 355.8

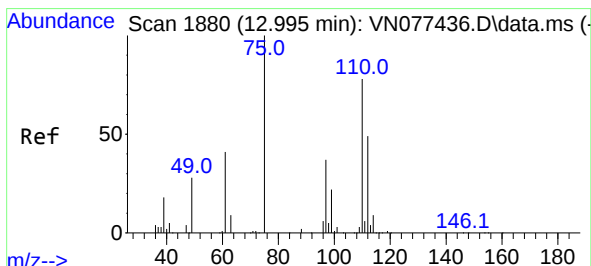
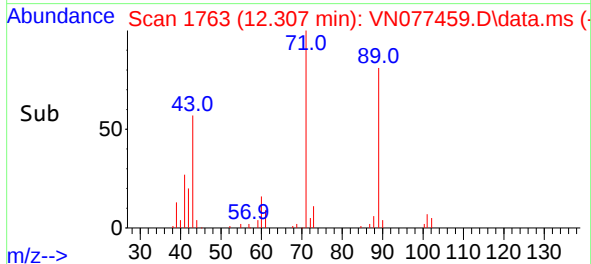
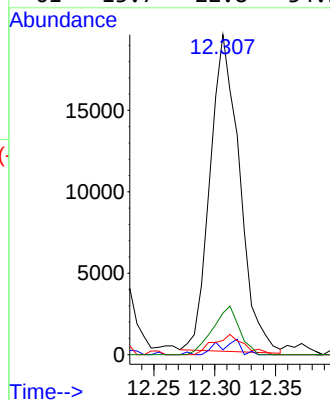
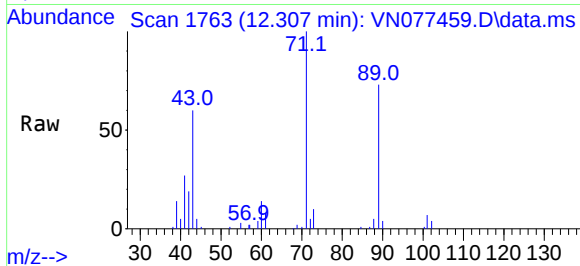




#74
N-amy1 acetate
Concen: 3.500 ug/l
RT: 12.307 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

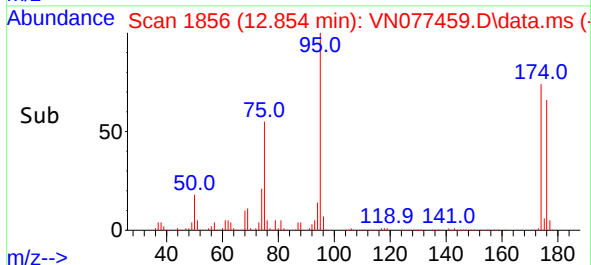
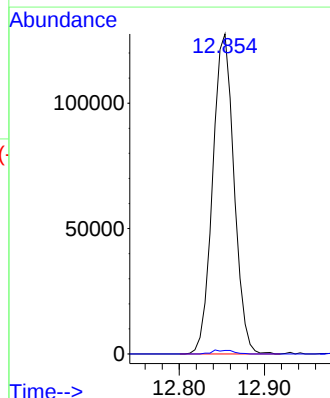
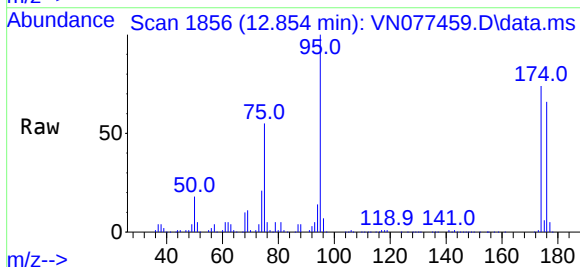
Instrument :
MSVOA_N
ClientSampleId :
SPD-2WC-23-04-18

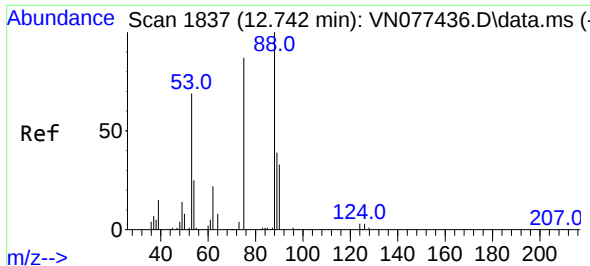
Tgt Ion:	43	Resp:	32848
Ion	Ratio	Lower	Upper
43	100		
70	3.4	43.4	65.2#
55	6.6	21.4	32.0#
61	13.7	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 27.953 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Tgt Ion:	75	Resp:	222064
Ion	Ratio	Lower	Upper
75	100		
77	1.2	84.5	253.5#

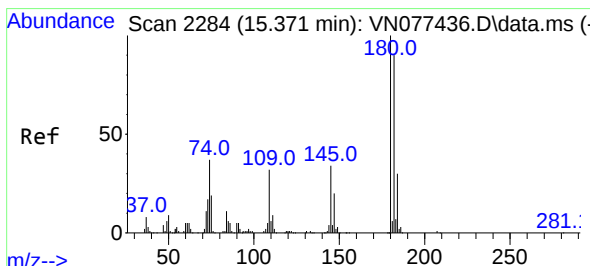
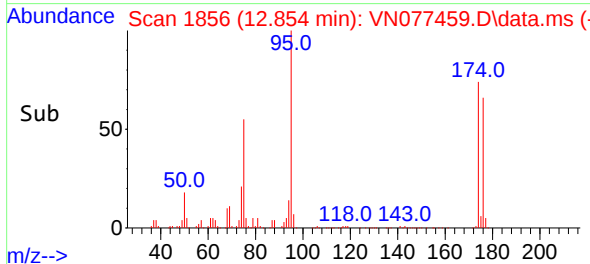
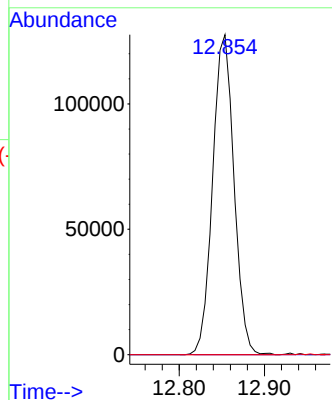
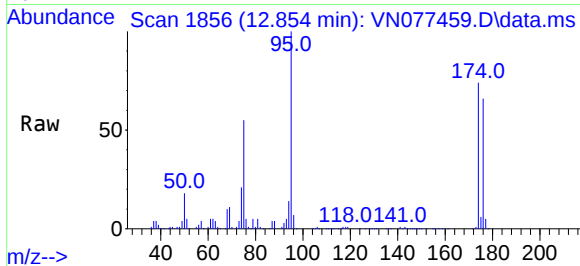




#81
trans-1,4-Dichloro-2-butene
Concen: 78.971 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

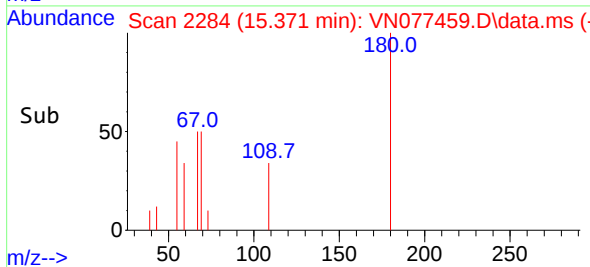
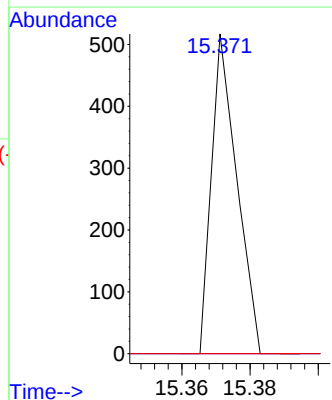
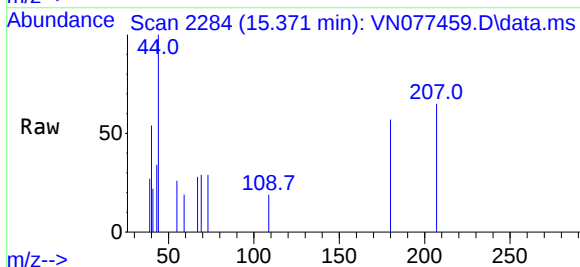
Instrument :
MSVOA_N
ClientSampleId :
SPD-2WC-23-04-18

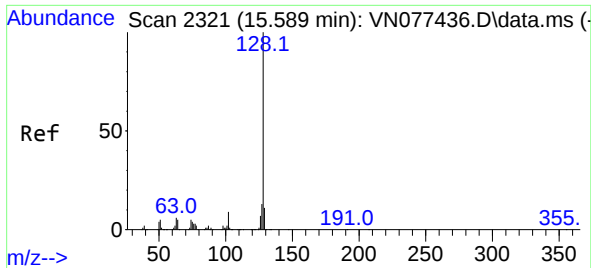
Tgt Ion: 75 Resp: 222064
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.905 ug/l
RT: 15.371 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

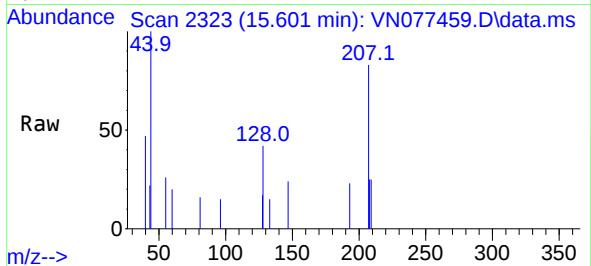
Tgt Ion: 180 Resp: 267
Ion Ratio Lower Upper
180 100
182 0.0 46.1 138.2#
145 0.0 16.6 49.8#





#95
Naphthalene
Concen: 1.226 ug/l
RT: 15.601 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN077459.D
Acq: 25 Apr 2023 09:42

Instrument :
MSVOA_N
ClientSampleId :
SPD-2WC-23-04-18



Tgt Ion:128 Resp: 783
Ion Ratio Lower Upper
128 100
127 17.6 10.0 15.0#
129 0.0 8.7 13.1#

