

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077400.D
 Acq On : 20 Apr 2023 15:10
 Operator : JC\MD
 Sample : 02389-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPB-4WC-23-04-17

Quant Time: Apr 21 02:40:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

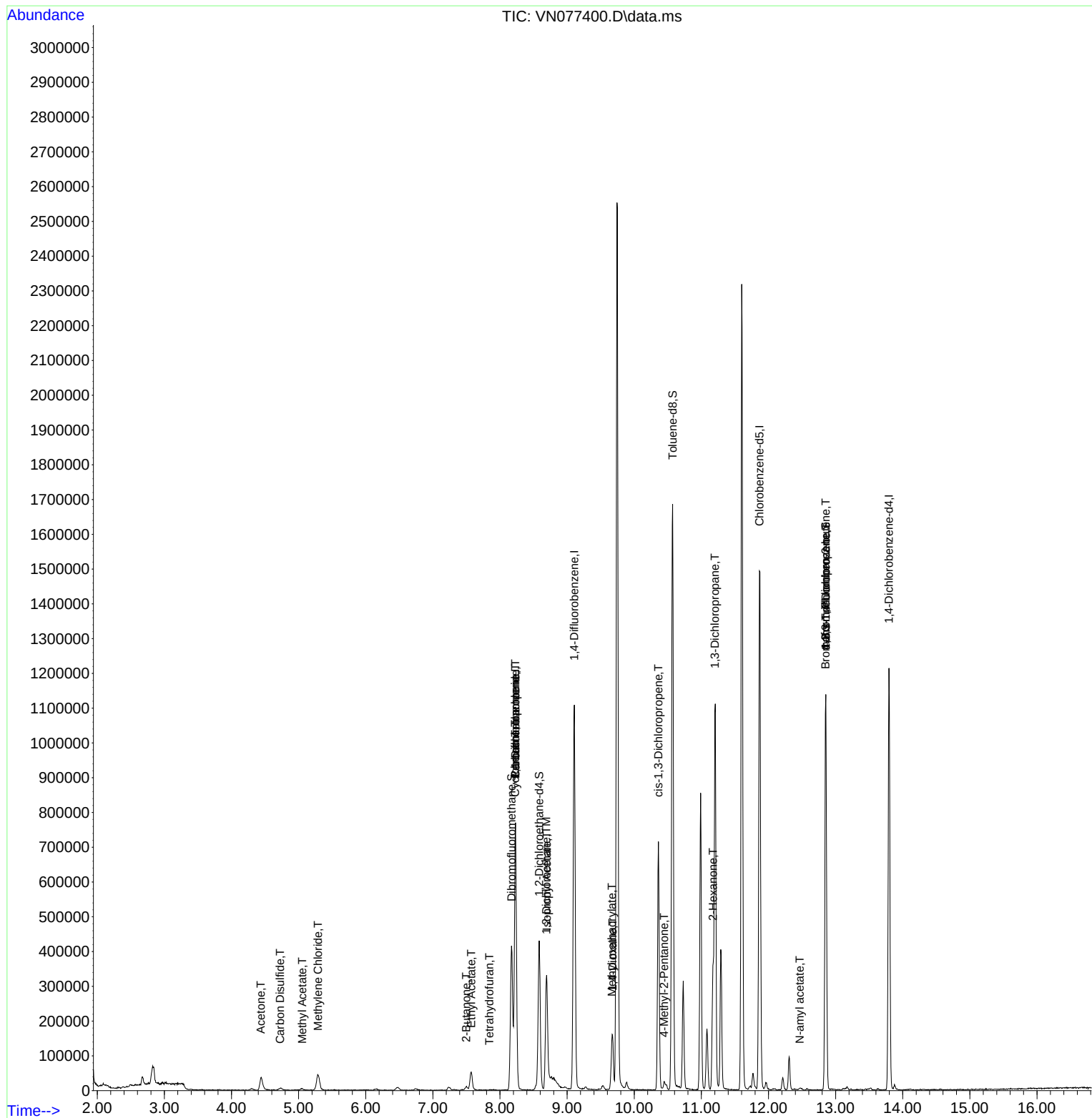
Internal Standards						
1) Pentafluorobenzene	8.230	168	534299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1008503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	930716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	328165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	335604	45.958	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.920%		
35) Dibromofluoromethane	8.172	113	298027	46.162	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.320%		
50) Toluene-d8	10.572	98	1234431	47.496	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.000%		
62) 4-Bromofluorobenzene	12.854	95	410477	47.487	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.980%		
Target Compounds					Qvalue	
16) Acetone	4.437	43	67464	25.057	ug/l	93
17) Carbon Disulfide	4.725	76	5779	0.342	ug/l	95
18) Methyl Acetate	5.054	43	8094	0.789	ug/l #	86
20) Methylene Chloride	5.289	84	38880	5.113	ug/l #	88
25) 2-Butanone	7.495	43	15148	3.467	ug/l	95
29) Tetrahydrofuran	7.842	42	1010	0.360	ug/l #	39
31) Cyclohexane	8.225	56	13273	1.170	ug/l #	37
36) 1,1-Dichloropropene	8.230	75	47764	5.002	ug/l #	47
37) Ethyl Acetate	7.572	43	75947	8.890	ug/l	95
38) Carbon Tetrachloride	8.230	117	57776	5.906	ug/l #	15
42) 1,2-Dichloroethane	8.689	62	2311	0.252	ug/l	81
43) Isopropyl Acetate	8.695	43	381550	24.203	ug/l #	90
48) Methyl methacrylate	9.666	41	10170	1.512	ug/l #	37
49) 1,4-Dioxane	9.677	88	123	0.754	ug/l #	1
51) 4-Methyl-2-Pentanone	10.442	43	12784	1.403	ug/l	91
54) cis-1,3-Dichloropropene	10.360	75	144265	11.709	ug/l #	62
57) 1,3-Dichloropropane	11.201	76	13754	1.088	ug/l #	42
59) 2-Hexanone	11.171	43	391968	57.740	ug/l #	20
71) Bromoform	12.848	173	2156	0.395	ug/l #	1
74) N-amyl acetate	12.466	43	5389	0.446	ug/l #	41
76) 1,2,3-Trichloropropane	12.854	75	221330	28.323	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	221330	63.736	ug/l #	13

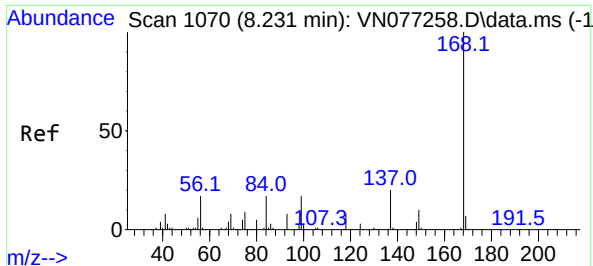
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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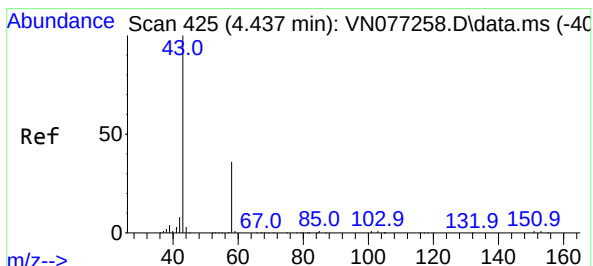
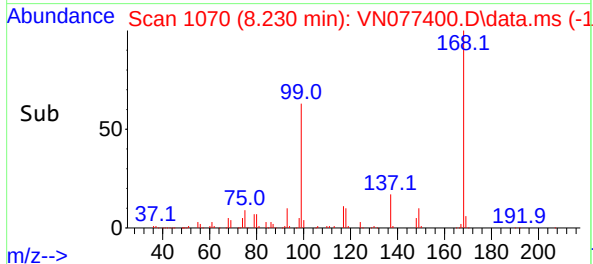
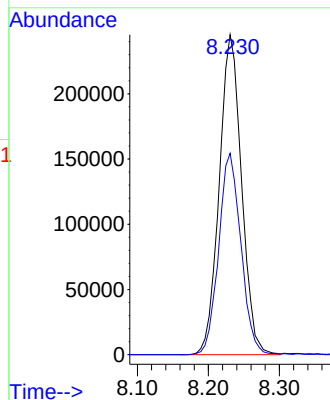
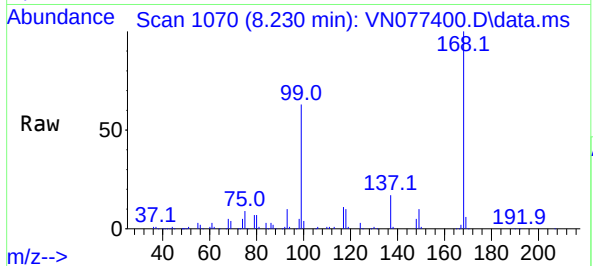




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

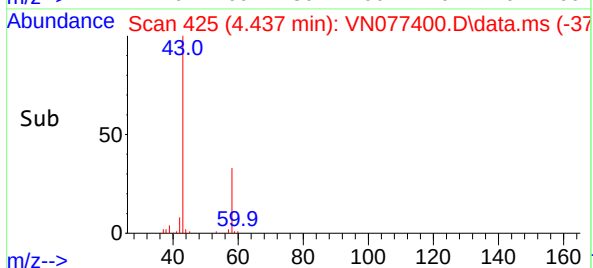
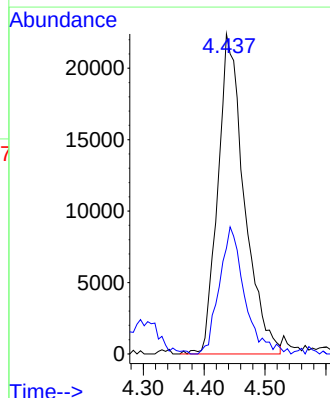
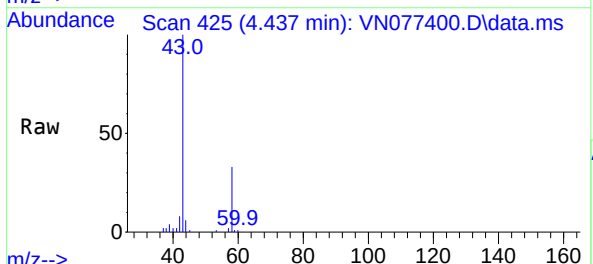
Instrument :
MSVOA_N
ClientSampleId :
SPB-4WC-23-04-17

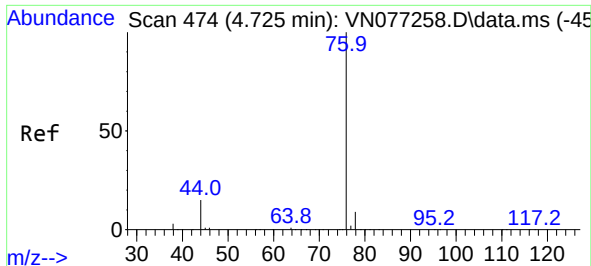
Tgt Ion:168 Resp: 534299
Ion Ratio Lower Upper
168 100
99 63.0 50.6 75.8



#16
Acetone
Concen: 25.057 ug/l
RT: 4.437 min Scan# 425
Delta R.T. -0.000 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Tgt Ion: 43 Resp: 67464
Ion Ratio Lower Upper
43 100
58 32.3 29.0 43.6

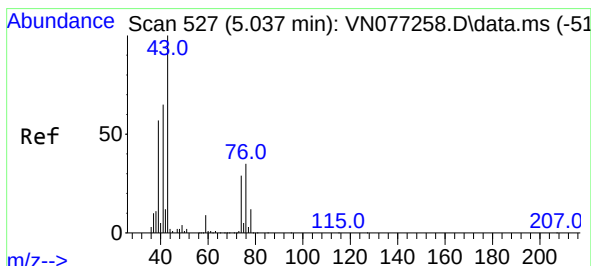
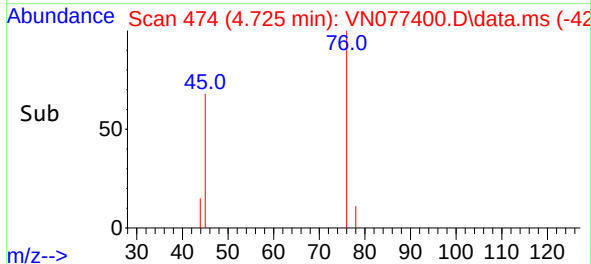
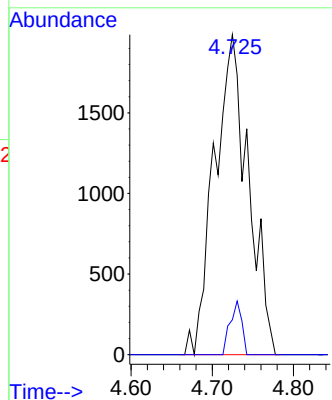
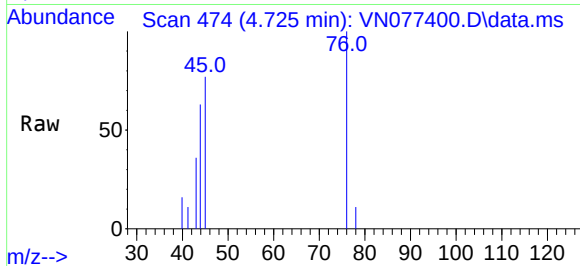




#17
Carbon Disulfide
Concen: 0.342 ug/l
RT: 4.725 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

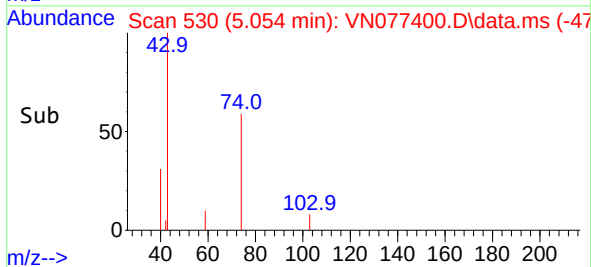
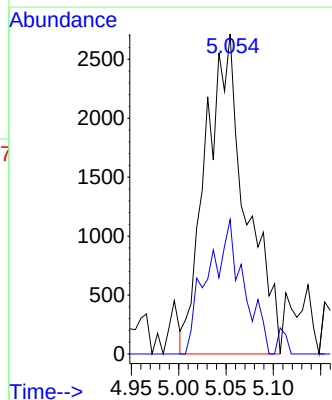
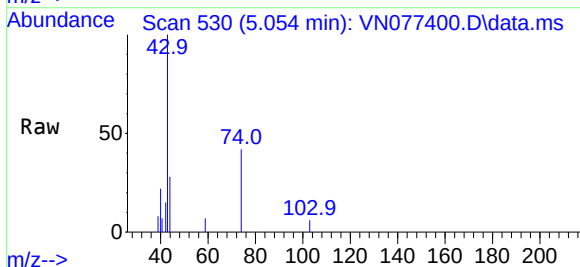
Instrument :
MSVOA_N
ClientSampleId :
SPB-4WC-23-04-17

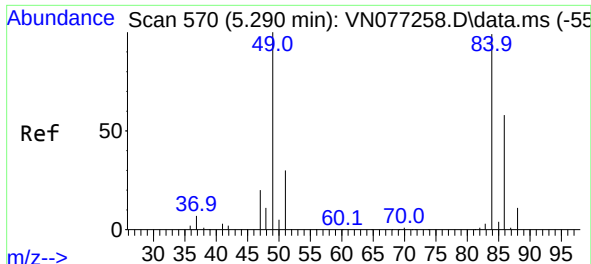
Tgt Ion: 76 Resp: 5779
Ion Ratio Lower Upper
76 100
78 10.9 7.3 10.9



#18
Methyl Acetate
Concen: 0.789 ug/l
RT: 5.054 min Scan# 530
Delta R.T. 0.017 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Tgt Ion: 43 Resp: 8094
Ion Ratio Lower Upper
43 100
74 37.0 23.4 35.2#



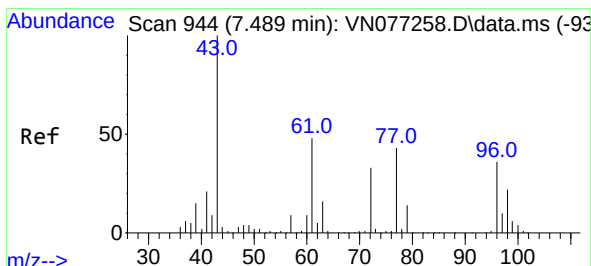
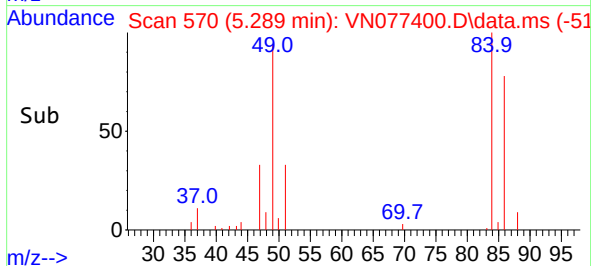
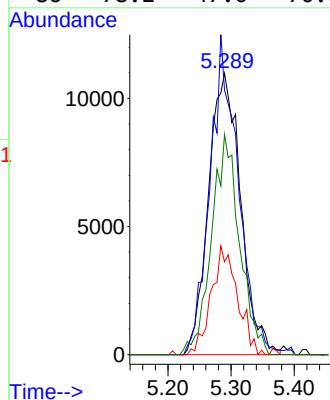
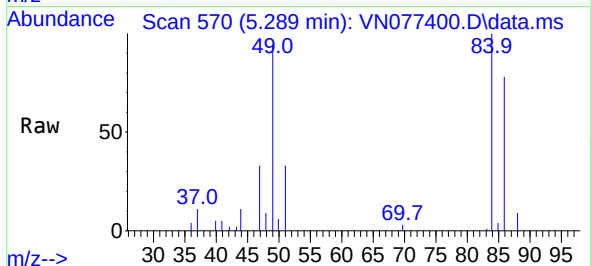


#20
Methylene Chloride
Concen: 5.113 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Instrument :
MSVOA_N
ClientSampleId :
SPB-4WC-23-04-17

Tgt Ion: 84 Resp: 38880

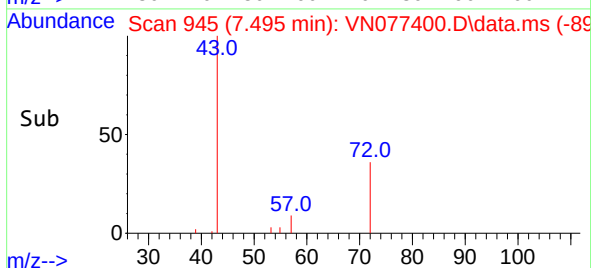
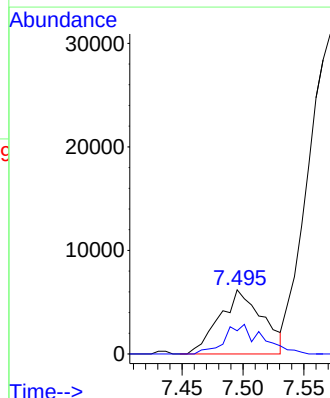
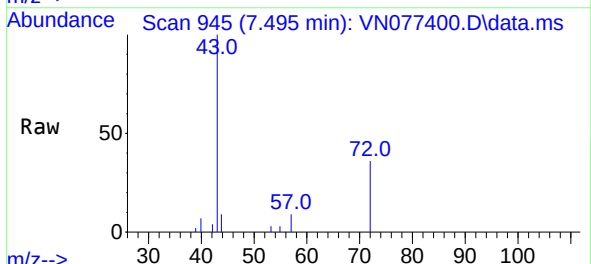
Ion	Ratio	Lower	Upper
84	100		
49	94.0	80.6	121.0
51	33.0	24.4	36.6
86	78.2	47.0	70.6

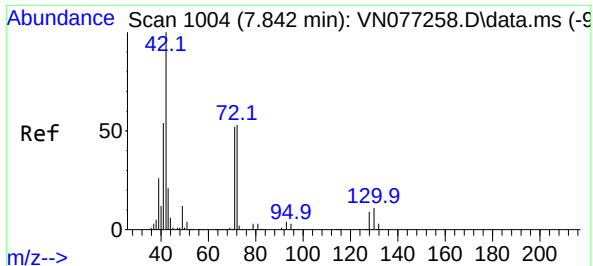


#25
2-Butanone
Concen: 3.467 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Tgt Ion: 43 Resp: 15148

Ion	Ratio	Lower	Upper
43	100		
72	36.2	26.6	39.8





#29

Tetrahydrofuran

Concen: 0.360 ug/l

RT: 7.842 min Scan# 10

Delta R.T. 0.000 min

Lab File: VN077400.D

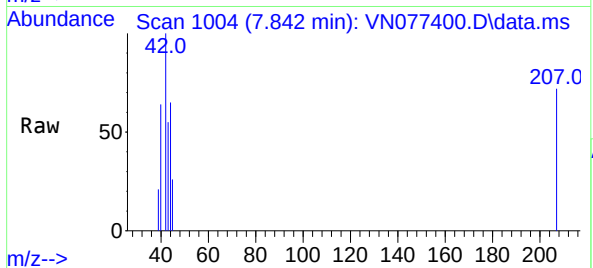
Acq: 20 Apr 2023 15:10

Instrument :

MSVOA_N

ClientSampleId :

SPB-4WC-23-04-17



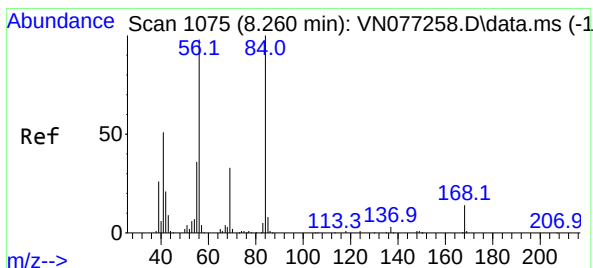
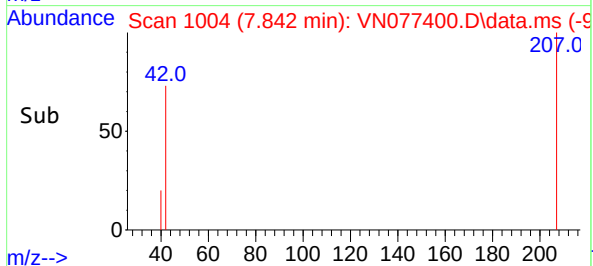
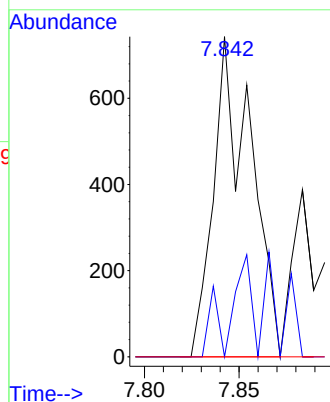
Tgt Ion: 42 Resp: 1010

Ion Ratio Lower Upper

42 100

72 19.3 44.6 66.8#

71 0.0 41.3 61.9#



#31

Cyclohexane

Concen: 1.170 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.035 min

Lab File: VN077400.D

Acq: 20 Apr 2023 15:10

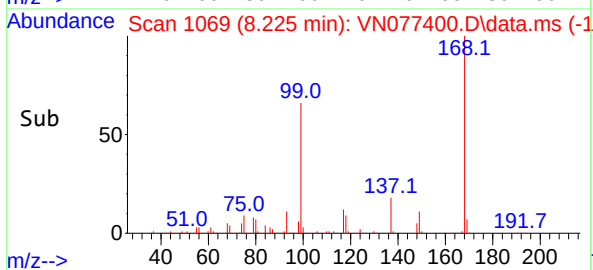
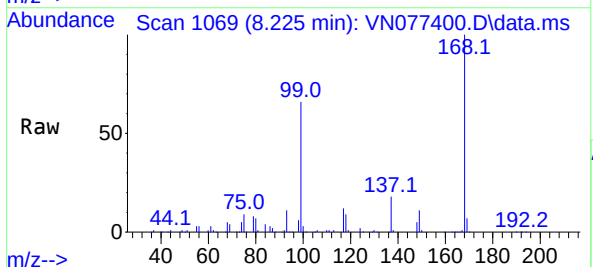
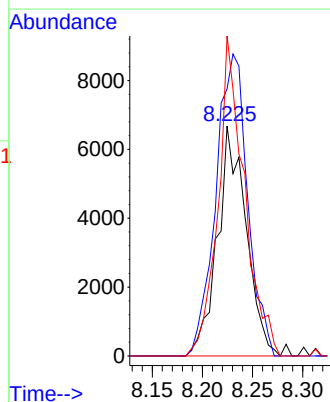
Tgt Ion: 56 Resp: 13273

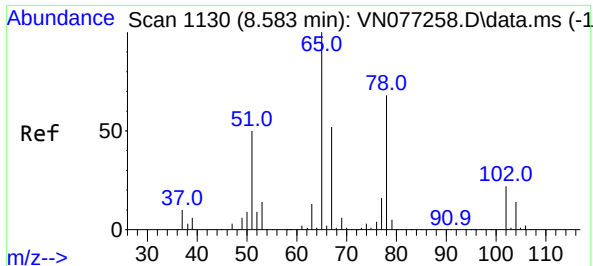
Ion Ratio Lower Upper

56 100

69 116.2 26.6 40.0#

84 139.2 81.8 122.8#

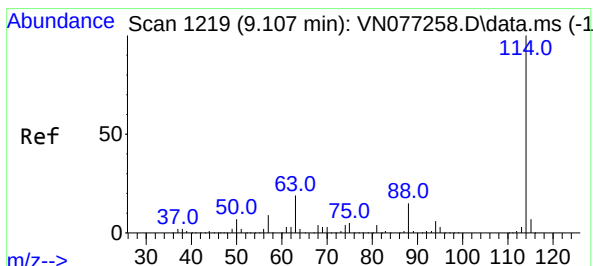
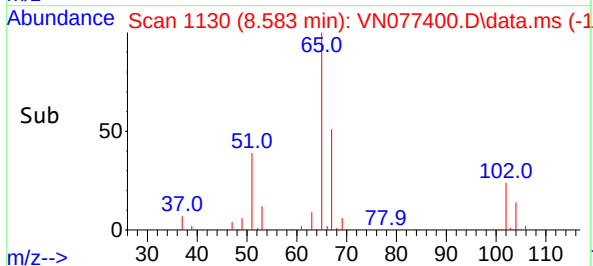
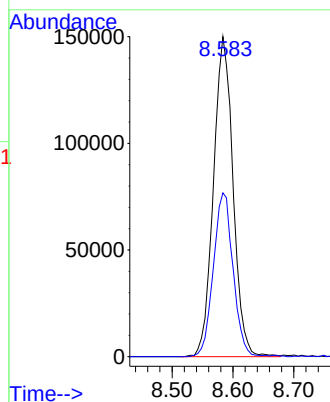
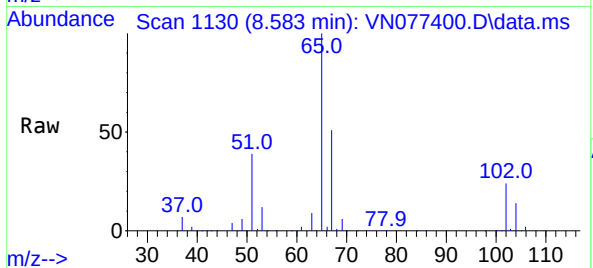




#33
 1,2-Dichloroethane-d4
 Concen: 45.958 ug/l
 RT: 8.583 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VN077400.D
 Acq: 20 Apr 2023 15:10

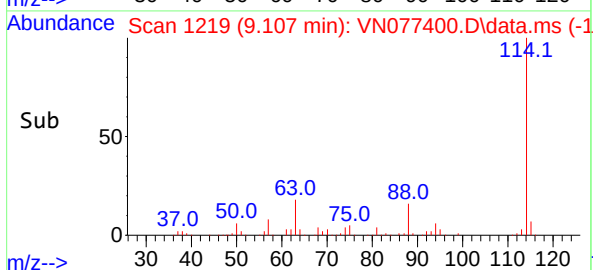
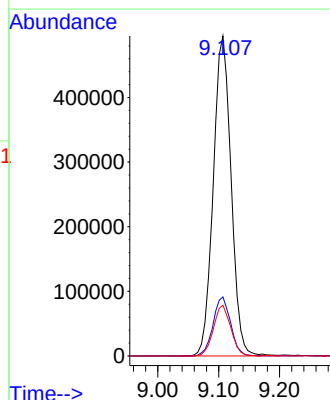
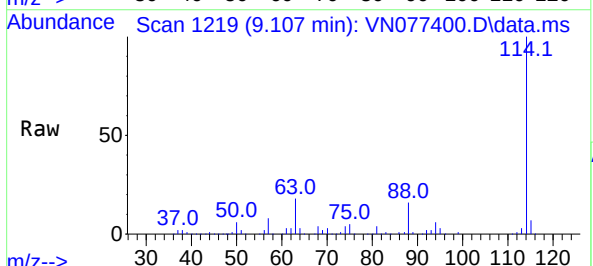
Instrument :
 MSVOA_N
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 SPB-4WC-23-04-17

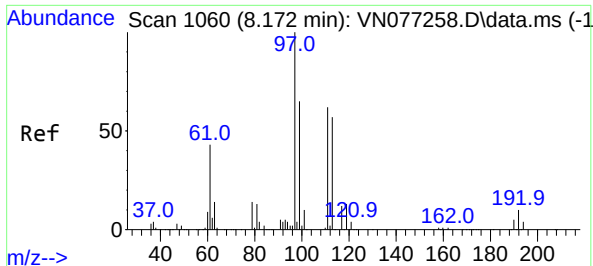
Tgt Ion: 65 Resp: 335604
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. -0.000 min
 Lab File: VN077400.D
 Acq: 20 Apr 2023 15:10

Tgt Ion: 114 Resp: 1008503
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.8
 88 15.9 0.0 29.4



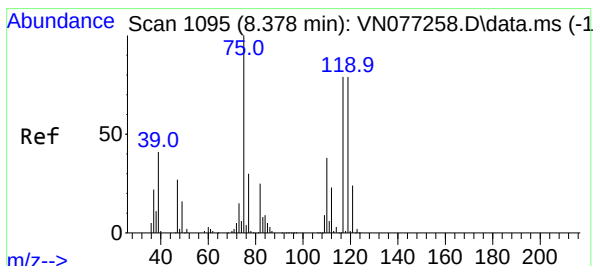
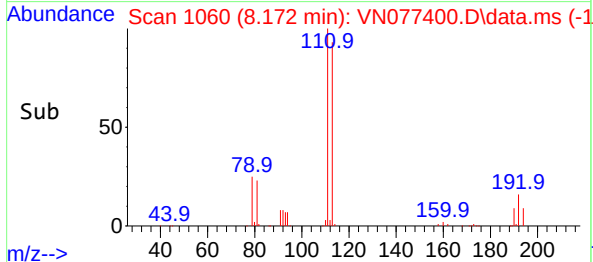
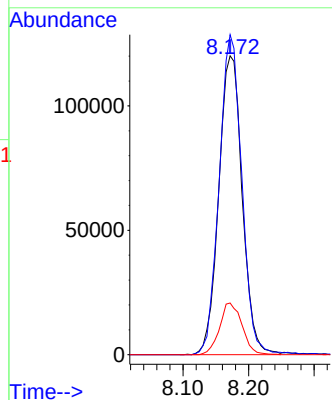
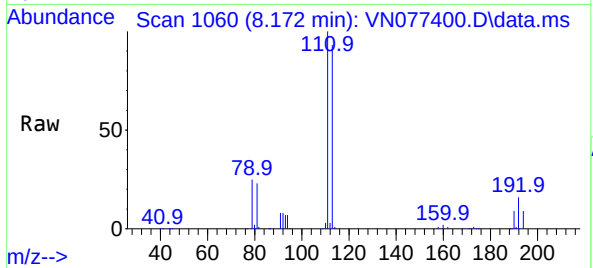


#35
Dibromofluoromethane
Concen: 46.162 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Instrument :
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Tgt Ion: 113 Resp: 298027

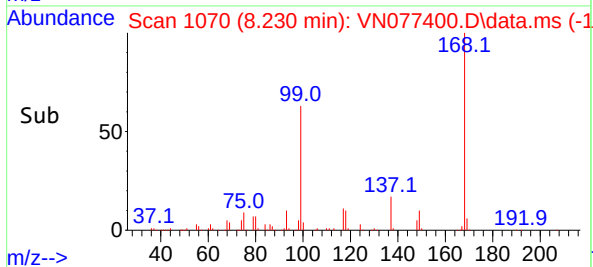
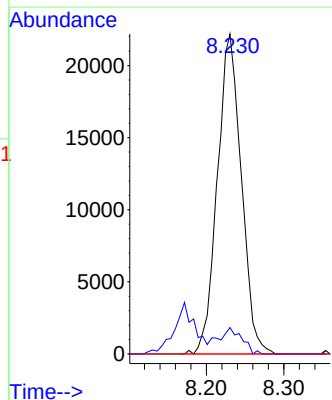
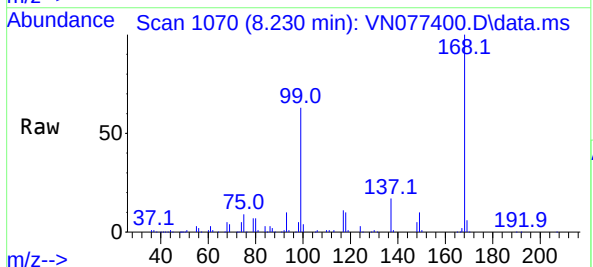
Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.4	125.0
192	16.6	13.5	20.3

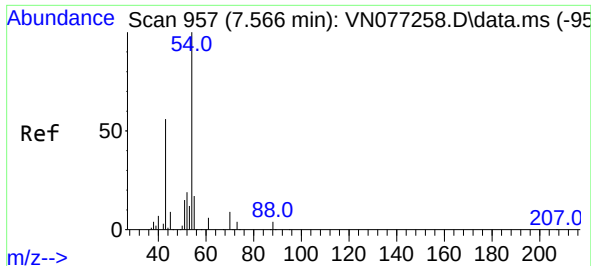


#36
1,1-Dichloropropene
Concen: 5.002 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.148 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Tgt Ion: 75 Resp: 47764

Ion	Ratio	Lower	Upper
75	100		
110	6.5	17.8	53.5#
77	0.0	25.0	37.4#

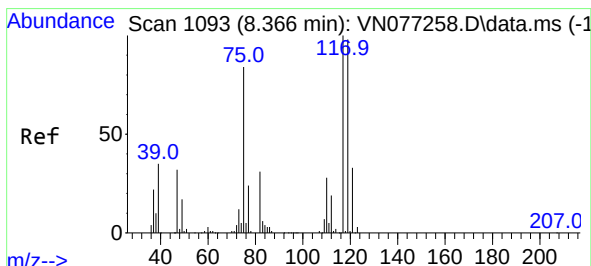
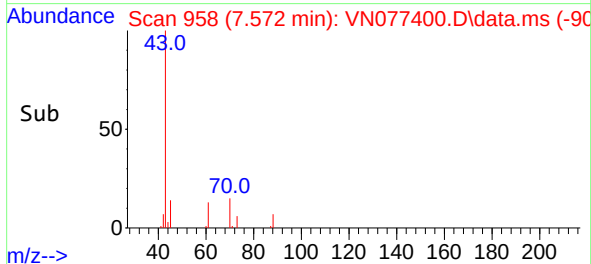
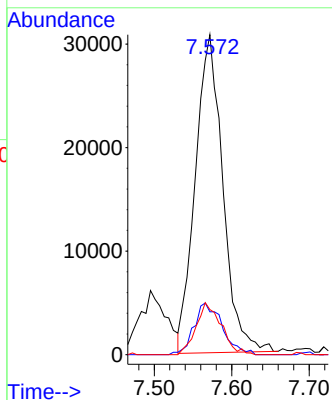
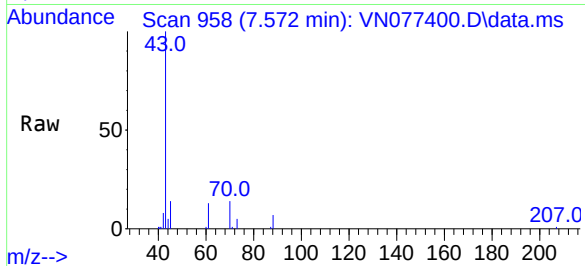




#37
Ethyl Acetate
Concen: 8.890 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

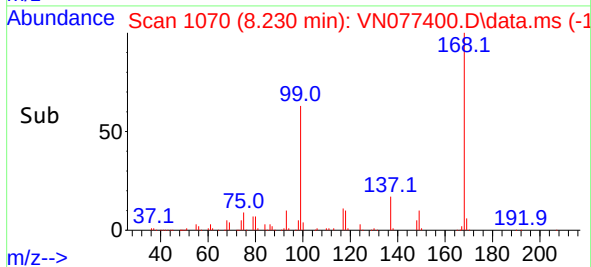
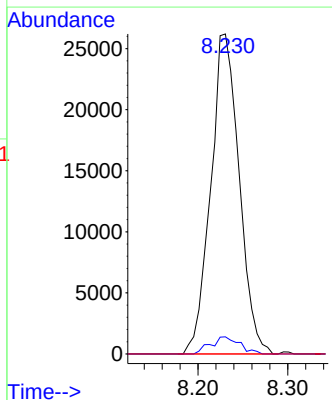
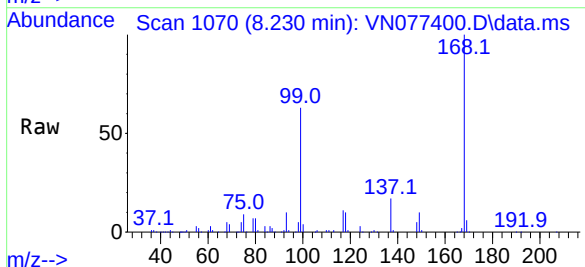
Instrument :
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SPB-4WC-23-04-17

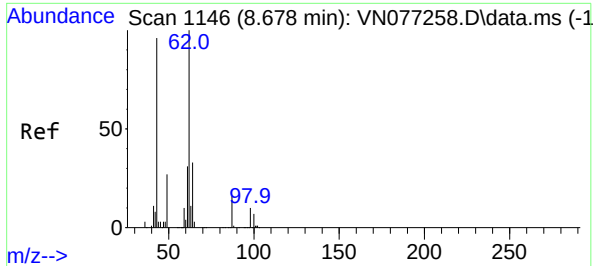
Tgt Ion: 43 Resp: 75947
Ion Ratio Lower Upper
43 100
61 16.7 12.2 18.2
70 15.0 10.0 15.0



#38
Carbon Tetrachloride
Concen: 5.906 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.136 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Tgt Ion: 117 Resp: 57776
Ion Ratio Lower Upper
117 100
119 5.4 78.5 117.7#
121 0.0 26.6 40.0#

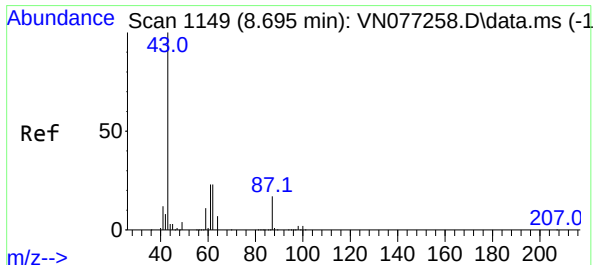
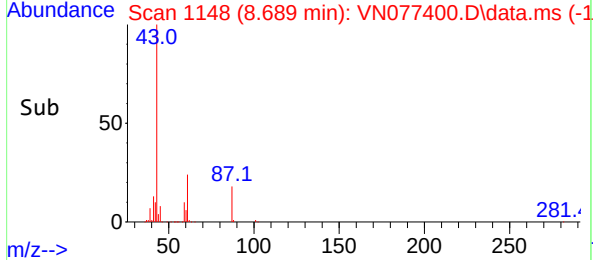
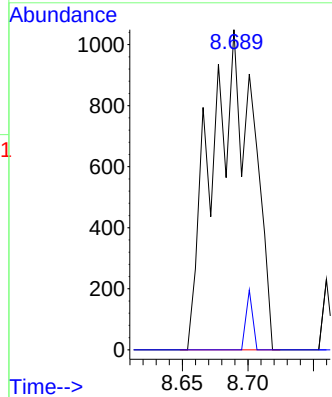
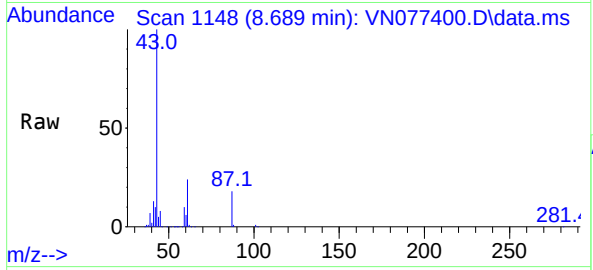




#42
 1,2-Dichloroethane
 Concen: 0.252 ug/l
 RT: 8.689 min Scan# 1146
 Delta R.T. 0.011 min
 Lab File: VN077400.D
 Acq: 20 Apr 2023 15:10

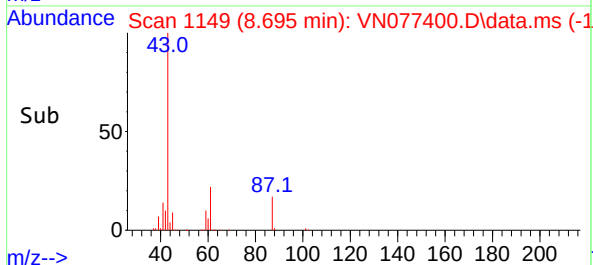
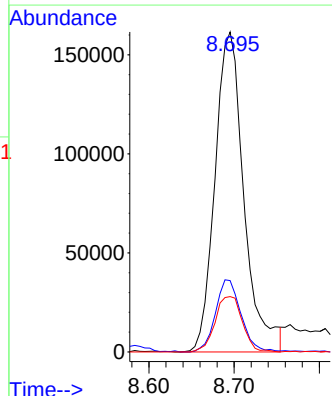
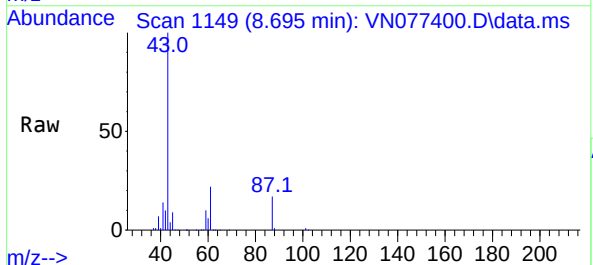
Instrument :
 MSVOA_N
 ClientSampleId :
 SPB-4WC-23-04-17

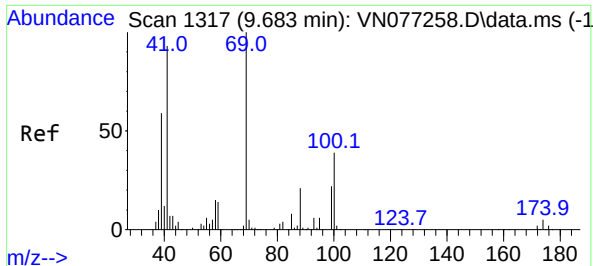
Tgt Ion:	62	Resp:	2311
Ion Ratio	Lower	Upper	
62	100		
98	3.0	0.0	20.2



#43
 Isopropyl Acetate
 Concen: 24.203 ug/l
 RT: 8.695 min Scan# 1149
 Delta R.T. 0.000 min
 Lab File: VN077400.D
 Acq: 20 Apr 2023 15:10

Tgt Ion:	43	Resp:	381550
Ion Ratio	Lower	Upper	
43	100		
61	20.1	22.7	34.1#
87	16.3	13.6	20.4





#48

Methyl methacrylate

Concen: 1.512 ug/l

RT: 9.666 min Scan# 11

Delta R.T. -0.017 min

Lab File: VN077400.D

Acq: 20 Apr 2023 15:10

Instrument :

MSVOA_N

ClientSampleId :

SPB-4WC-23-04-17

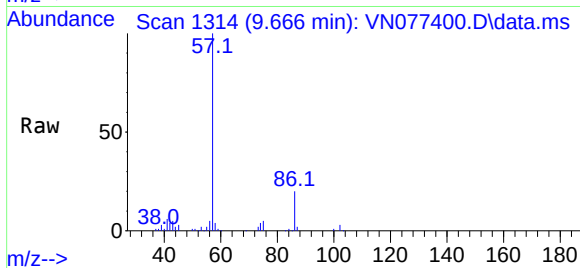
Tgt Ion: 41 Resp: 10170

Ion Ratio Lower Upper

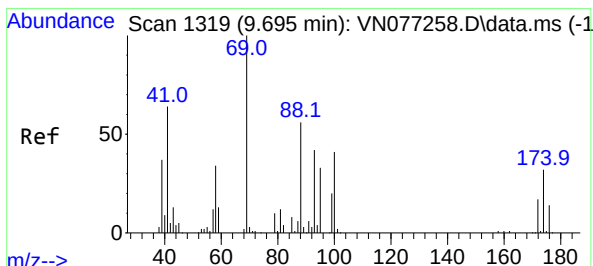
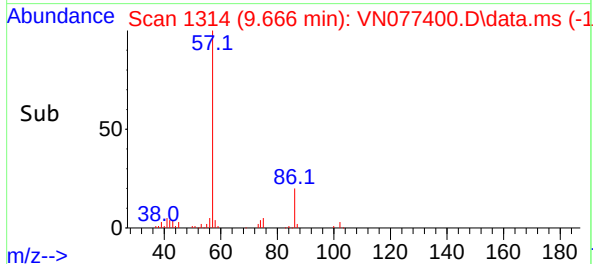
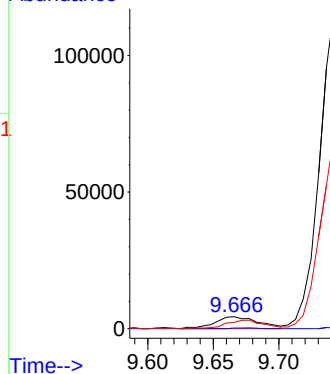
41 100

69 3.2 85.0 127.6#

39 62.6 53.5 80.3



Abundance



#49

1,4-Dioxane

Concen: 0.754 ug/l

RT: 9.677 min Scan# 1316

Delta R.T. -0.018 min

Lab File: VN077400.D

Acq: 20 Apr 2023 15:10

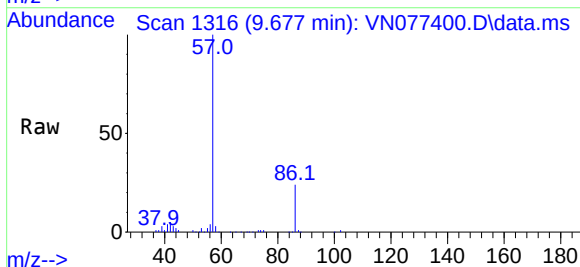
Tgt Ion: 88 Resp: 123

Ion Ratio Lower Upper

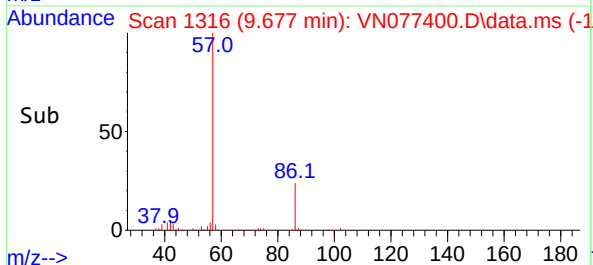
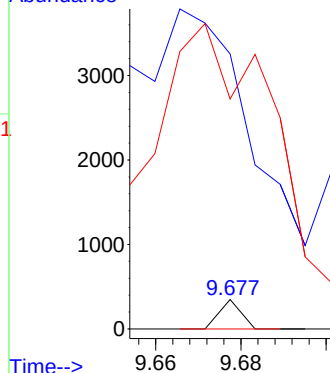
88 100

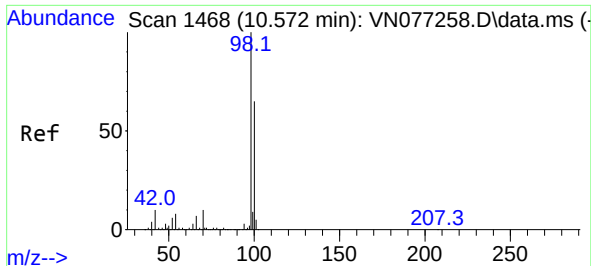
43 0.0 17.0 25.6#

58 6604.1 49.8 74.6#



Abundance

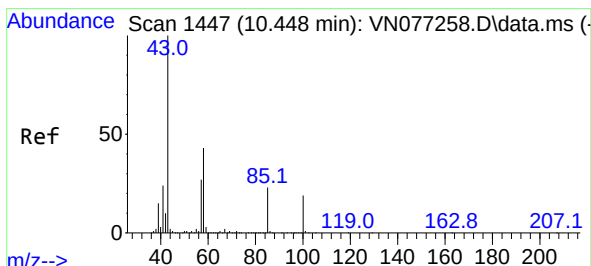
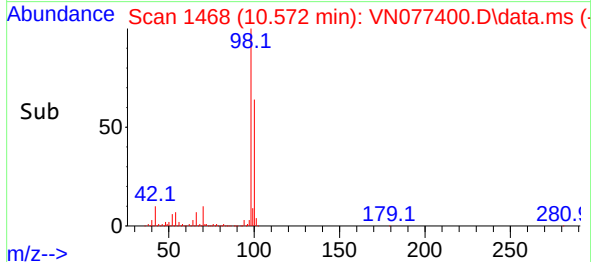
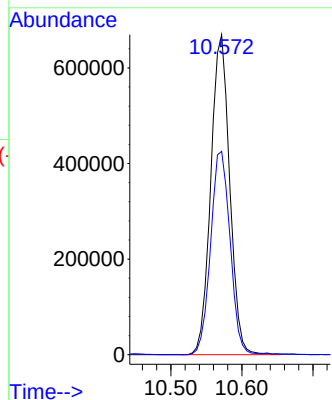
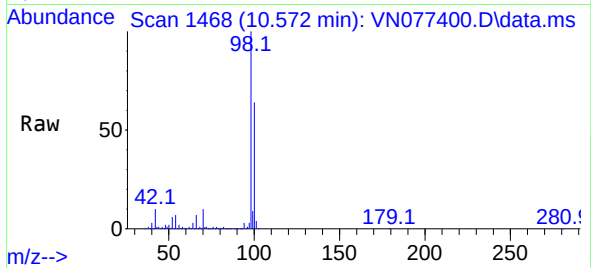




#50
Toluene-d8
Concen: 47.496 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

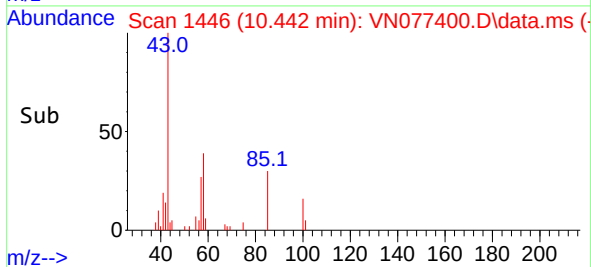
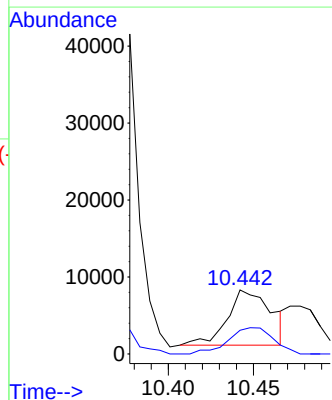
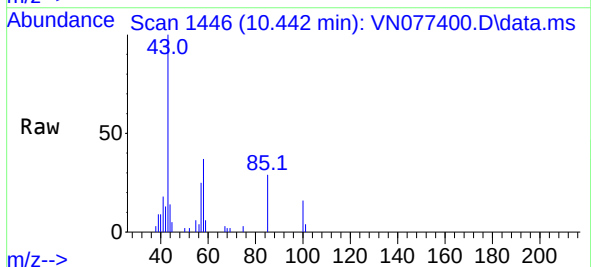
Instrument :
MSVOA_N
ClientSampleId :
SPB-4WC-23-04-17

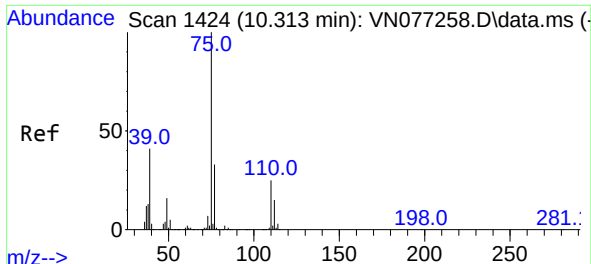
Tgt Ion: 98 Resp: 1234431
Ion Ratio Lower Upper
98 100
100 65.5 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.403 ug/l
RT: 10.442 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Tgt Ion: 43 Resp: 12784
Ion Ratio Lower Upper
43 100
58 49.2 34.6 52.0

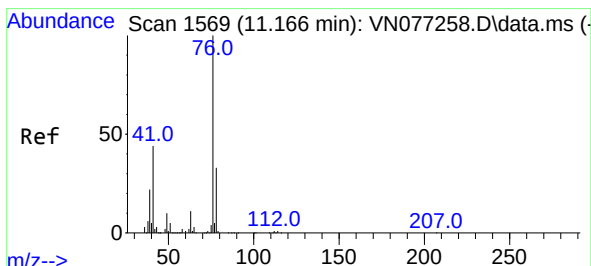
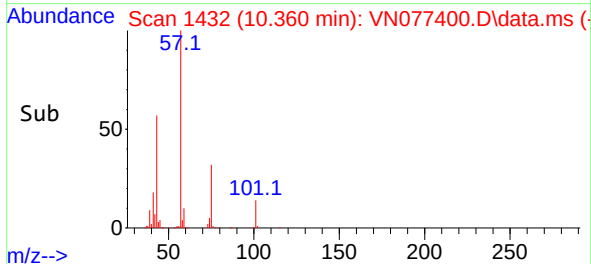
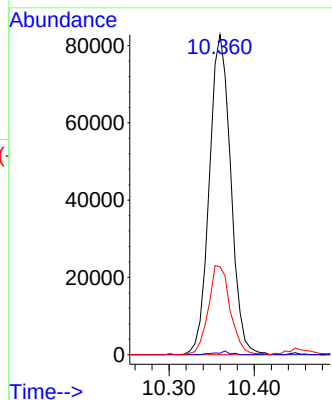
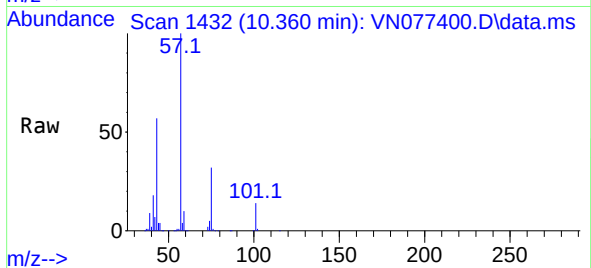




#54
cis-1,3-Dichloropropene
Concen: 11.709 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

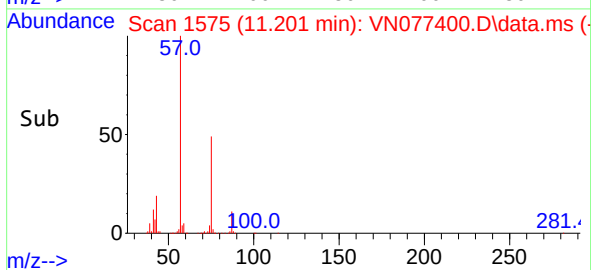
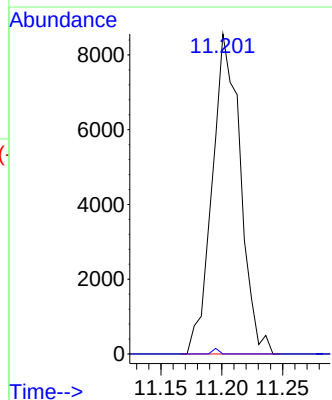
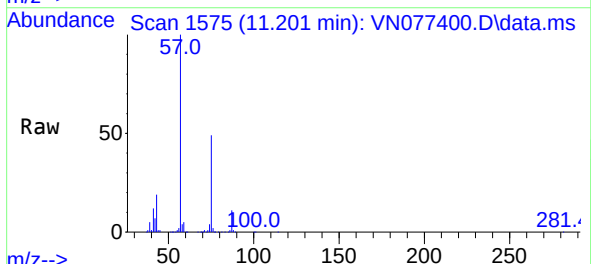
Instrument :
MSVOA_N
ClientSampleId :
SPB-4WC-23-04-17

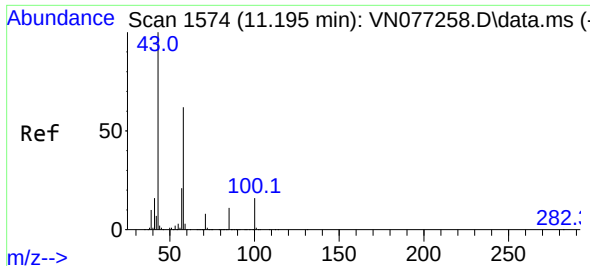
Tgt Ion: 75 Resp: 144265
Ion Ratio Lower Upper
75 100
77 0.4 26.7 40.1#
39 27.5 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.088 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Tgt Ion: 76 Resp: 13754
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.4#

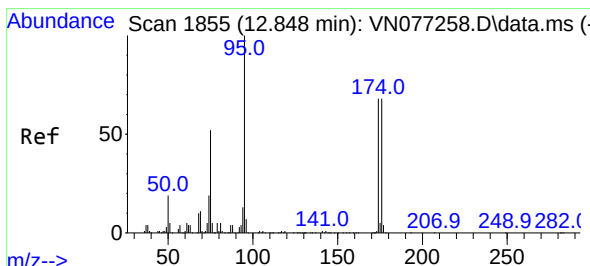
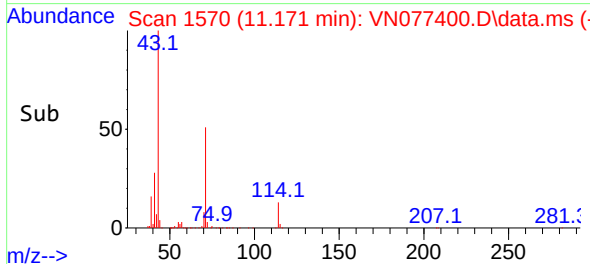
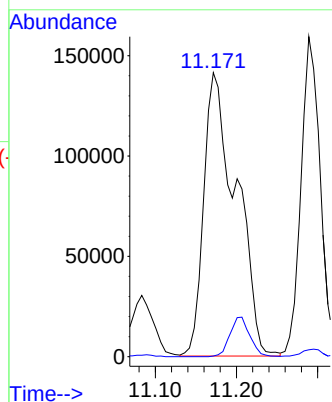
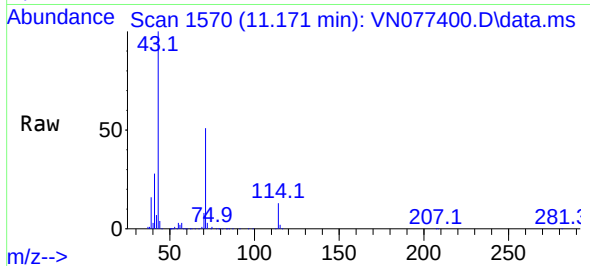




#59
2-Hexanone
Concen: 57.740 ug/l
RT: 11.171 min Scan# 11170
Delta R.T. -0.024 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

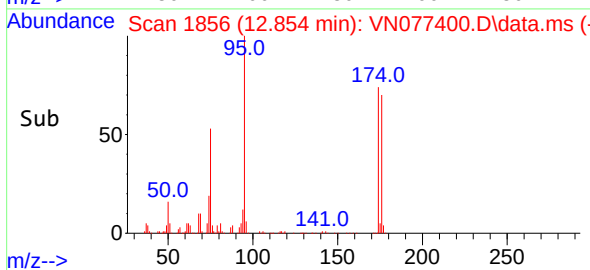
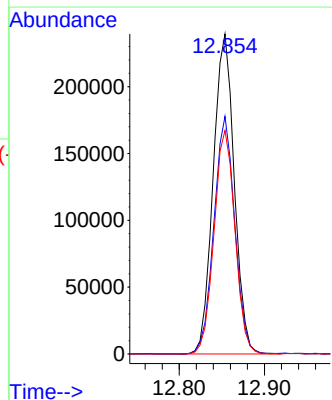
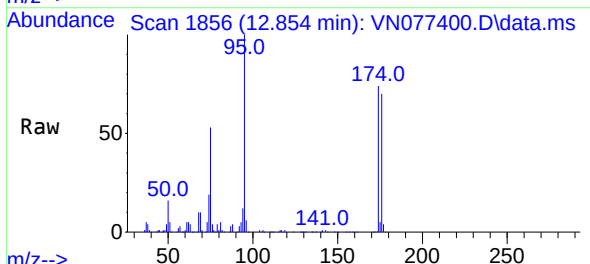
Instrument :
MSVOA_N
ClientSampleId :
SPB-4WC-23-04-17

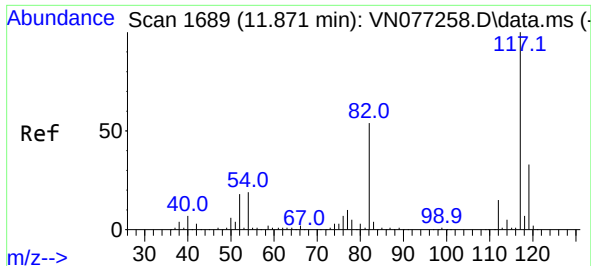
Tgt Ion: 43 Resp: 391968
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 47.487 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Tgt Ion: 95 Resp: 410477
Ion Ratio Lower Upper
95 100
174 73.8 0.0 146.8
176 69.3 0.0 139.6

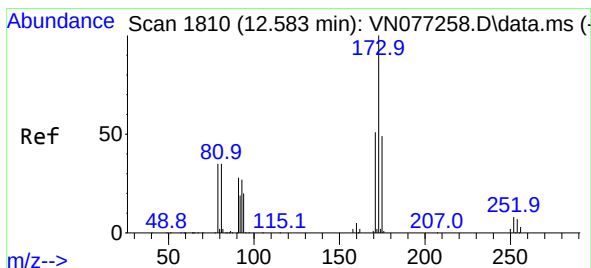
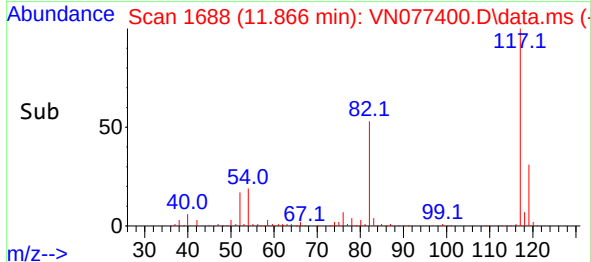
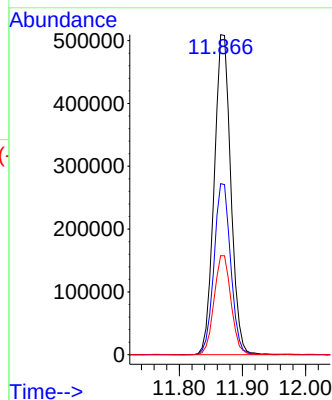
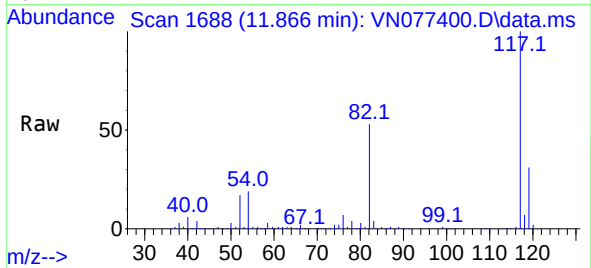




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

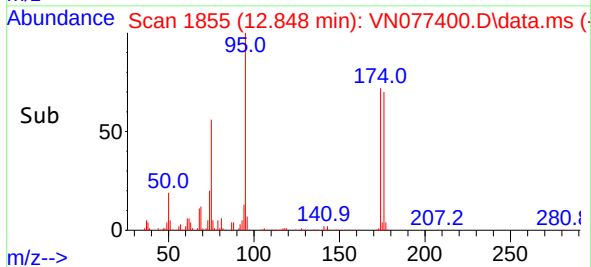
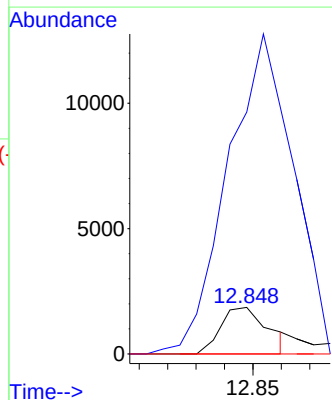
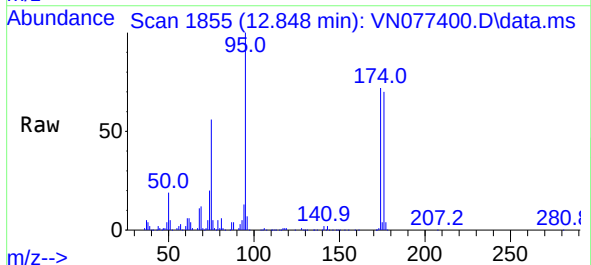
Instrument :
MSVOA_N
ClientSampleId :
SPB-4WC-23-04-17

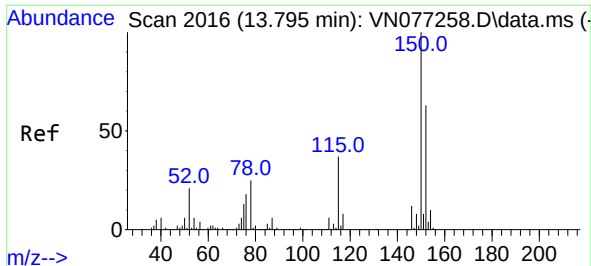
Tgt Ion:117 Resp: 930716
Ion Ratio Lower Upper
117 100
82 53.4 42.9 64.3
119 31.0 26.2 39.4



#71
Bromoform
Concen: 0.395 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

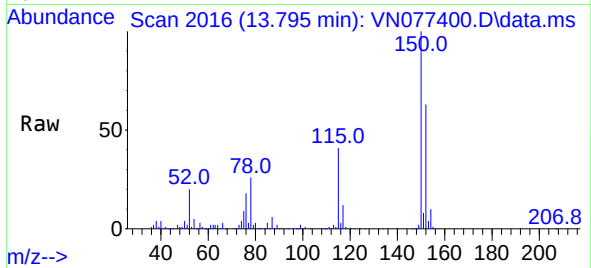
Tgt Ion:173 Resp: 2156
Ion Ratio Lower Upper
173 100
175 771.1 24.1 72.4#
254 0.0 0.1 0.1#



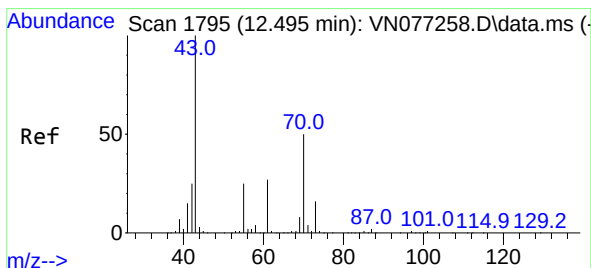
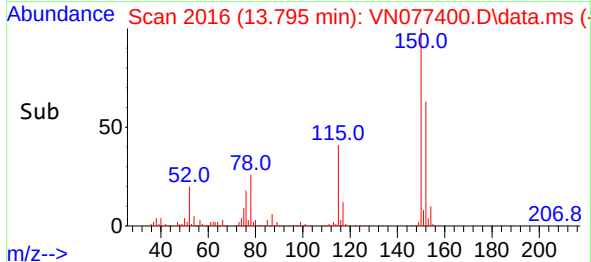
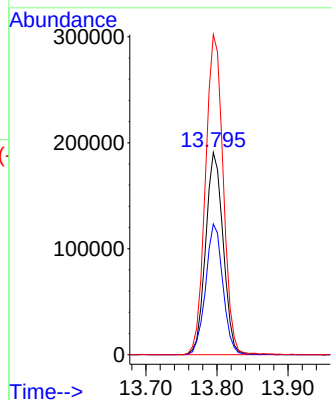


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Instrument :
MSVOA_N
ClientSampleId :
SPB-4WC-23-04-17

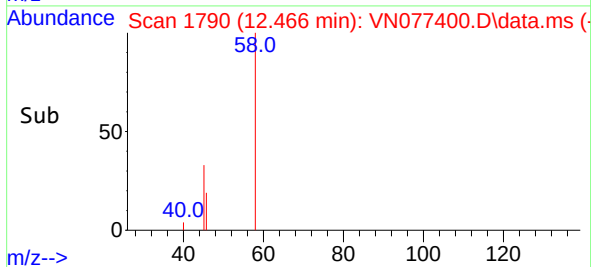
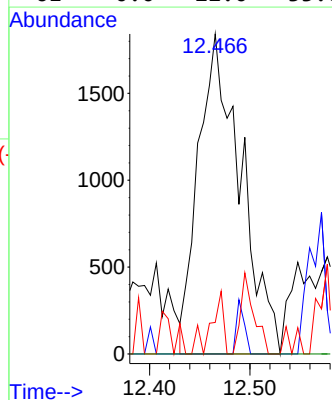
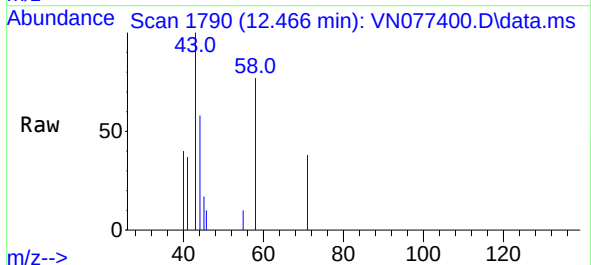


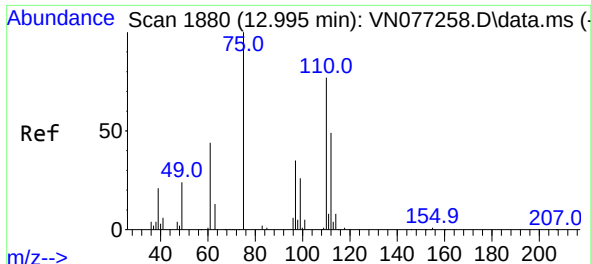
Tgt Ion:152 Resp: 328165
Ion Ratio Lower Upper
152 100
115 63.6 32.1 96.3
150 160.3 0.0 354.8



#74
N-ethyl acetate
Concen: 0.446 ug/l
RT: 12.466 min Scan# 1790
Delta R.T. -0.029 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Tgt Ion: 43 Resp: 5389
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.6#
55 5.8 19.3 28.9#
61 0.0 22.0 33.0#

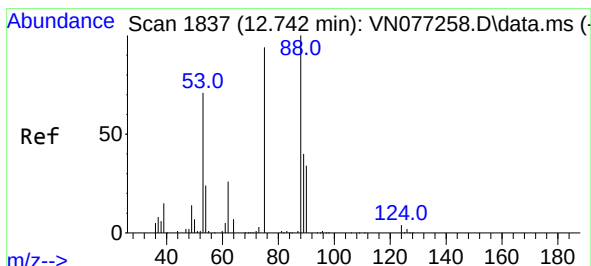
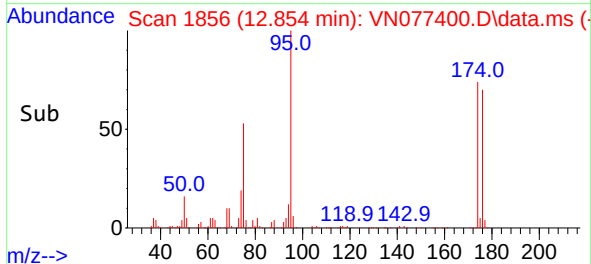
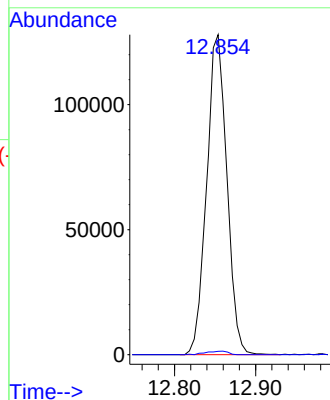
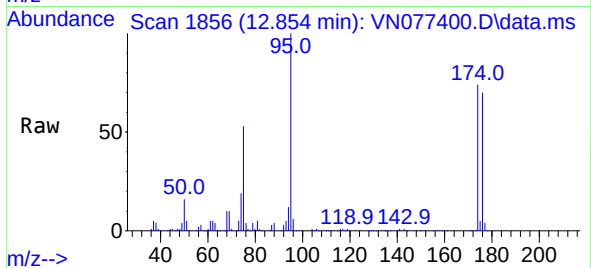




#76
1,2,3-Trichloropropane
Concen: 28.323 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Instrument :
MSVOA_N
ClientSampleId :
SPB-4WC-23-04-17

Tgt Ion: 75 Resp: 221330
Ion Ratio Lower Upper
75 100
77 1.2 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.736 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077400.D
Acq: 20 Apr 2023 15:10

Tgt Ion: 75 Resp: 221330
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

