

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077403.D
 Acq On : 20 Apr 2023 16:22
 Operator : JC\MD
 Sample : 02389-29
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPB-8WC-23-04-17

Quant Time: Apr 21 02:40:35 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

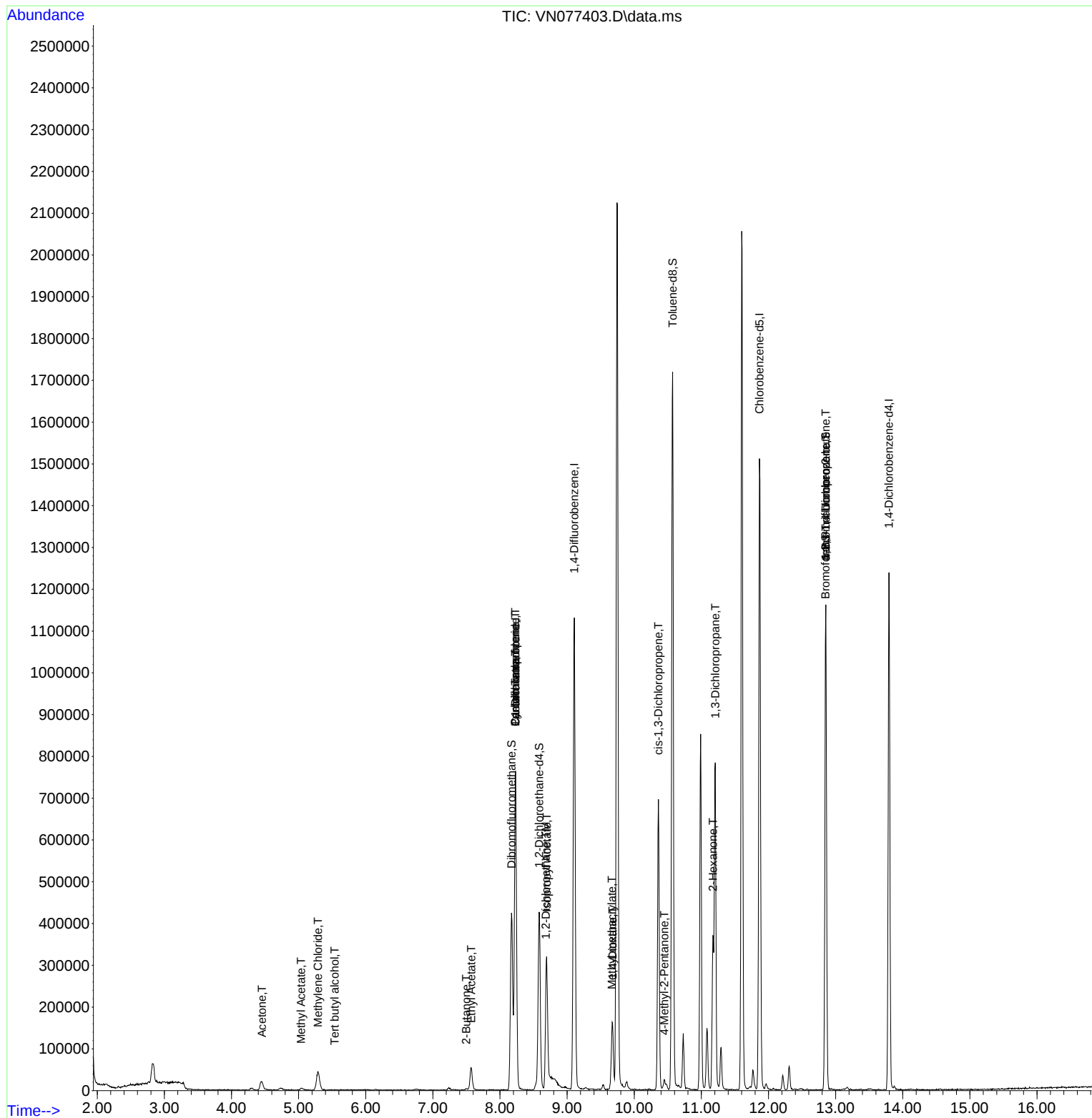
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	545128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1022511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	929761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	336567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	338866	45.483	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.960%		
35) Dibromofluoromethane	8.172	113	308929	47.195	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.380%		
50) Toluene-d8	10.572	98	1254416	47.604	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.200%		
62) 4-Bromofluorobenzene	12.854	95	413510	47.182	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.360%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.537	59	503	0.331	ug/l #	91
16) Acetone	4.454	43	40965	14.913	ug/l	94
18) Methyl Acetate	5.037	43	9757	0.933	ug/l #	77
20) Methylene Chloride	5.290	84	40020	5.159	ug/l	94
25) 2-Butanone	7.495	43	3054	0.685	ug/l #	85
31) Cyclohexane	8.231	56	13532	1.169	ug/l #	36
36) 1,1-Dichloropropene	8.231	75	46027	4.754	ug/l #	49
37) Ethyl Acetate	7.572	43	77885	8.992	ug/l	97
38) Carbon Tetrachloride	8.231	117	59858	6.035	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	2559	0.275	ug/l #	73
43) Isopropyl Acetate	8.695	43	359020	22.462	ug/l #	90
48) Methyl methacrylate	9.666	41	8526	1.250	ug/l #	34
49) 1,4-Dioxane	9.678	88	59	0.357	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	13303	1.440	ug/l #	86
54) cis-1,3-Dichloropropene	10.360	75	146284	11.710	ug/l #	60
57) 1,3-Dichloropropane	11.207	76	9349	0.729	ug/l #	42
59) 2-Hexanone	11.172	43	349539	50.784	ug/l #	20
71) Bromoform	12.848	173	1357	0.249	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	220970	27.571	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	220970	62.044	ug/l #	13

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

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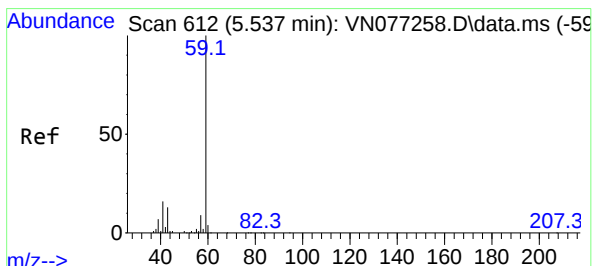
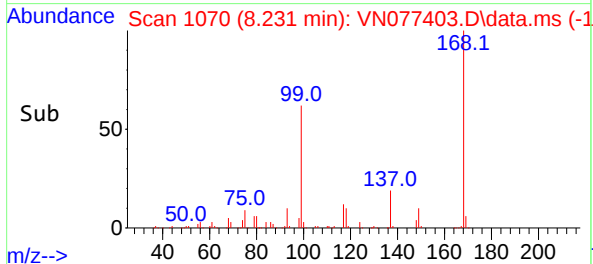
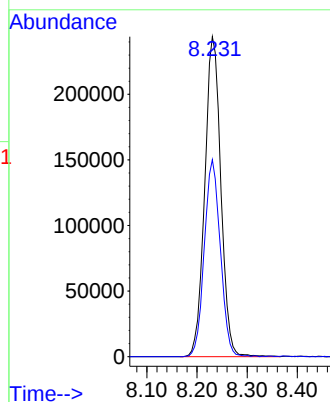
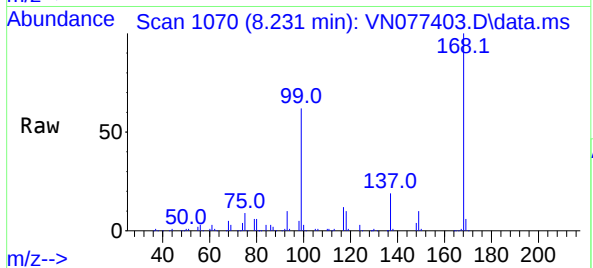




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

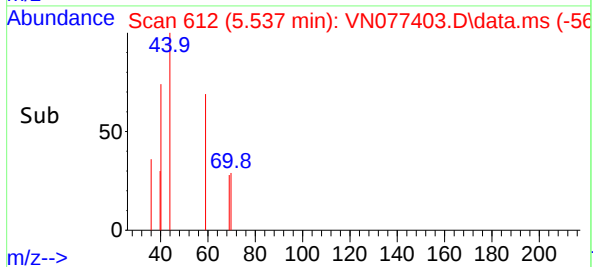
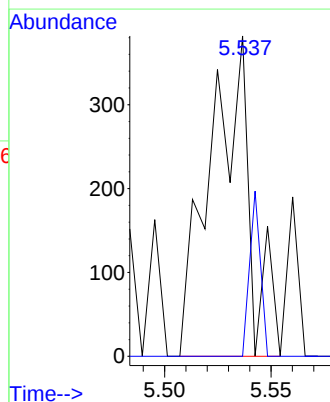
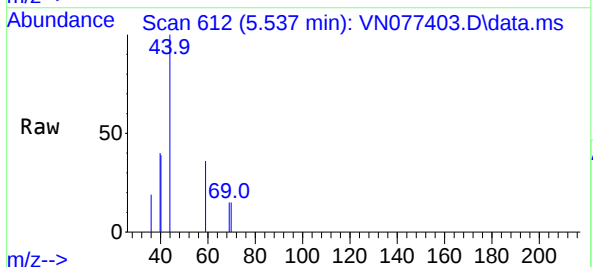
Instrument :
MSVOA_N
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SPB-8WC-23-04-17

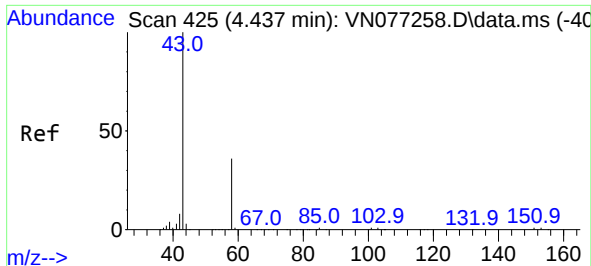
Tgt Ion:168 Resp: 545128
Ion Ratio Lower Upper
168 100
99 61.6 50.6 75.8



#11
Tert butyl alcohol
Concen: 0.331 ug/l
RT: 5.537 min Scan# 612
Delta R.T. -0.000 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Tgt Ion: 59 Resp: 503
Ion Ratio Lower Upper
59 100
57 13.7 8.3 12.5#

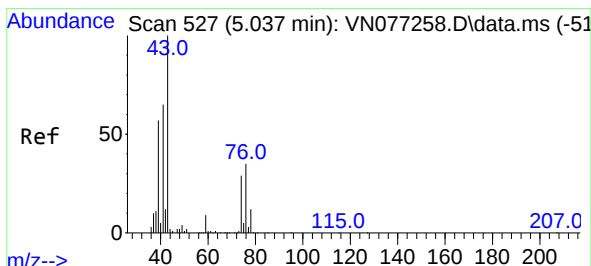
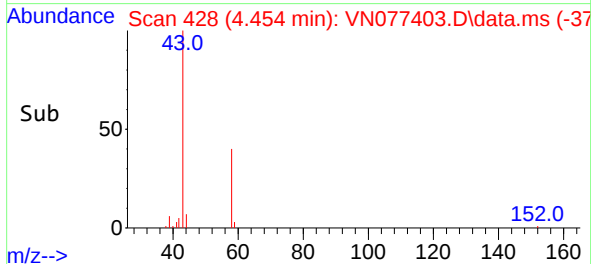
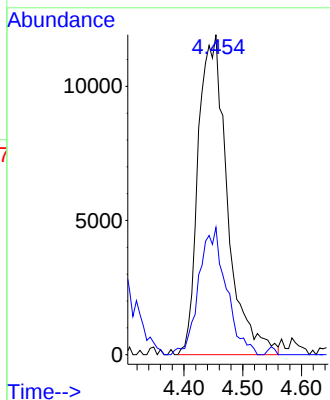
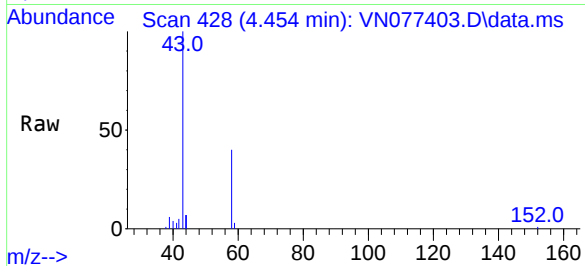




#16
Acetone
Concen: 14.913 ug/l
RT: 4.454 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

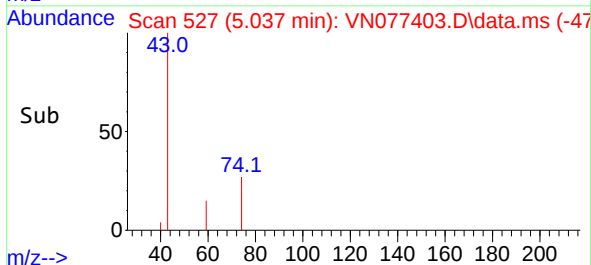
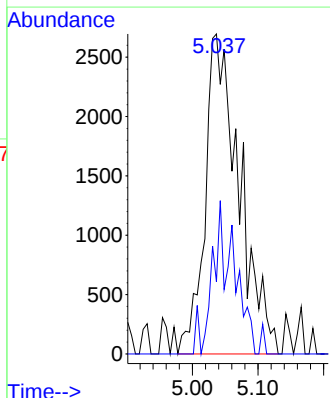
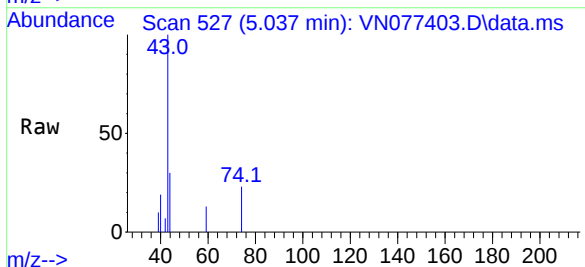
Instrument :
MSVOA_N
ClientSampleId :
SPB-8WC-23-04-17

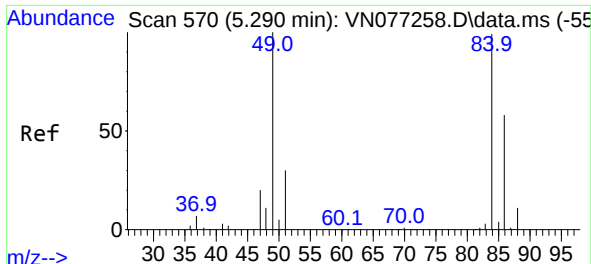
Tgt Ion: 43 Resp: 40965
Ion Ratio Lower Upper
43 100
58 39.8 29.0 43.6



#18
Methyl Acetate
Concen: 0.933 ug/l
RT: 5.037 min Scan# 527
Delta R.T. -0.000 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Tgt Ion: 43 Resp: 9757
Ion Ratio Lower Upper
43 100
74 16.8 23.4 35.2#



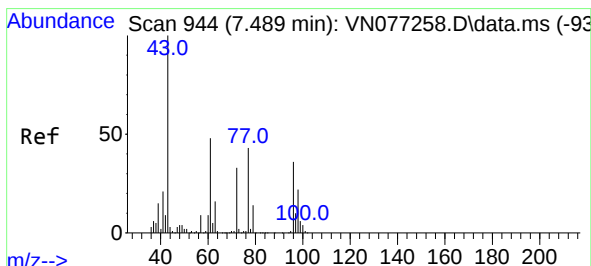
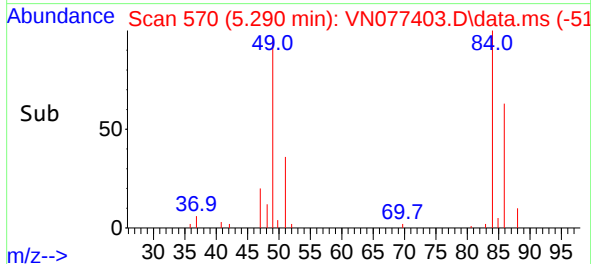
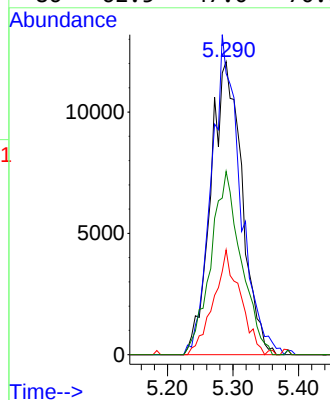
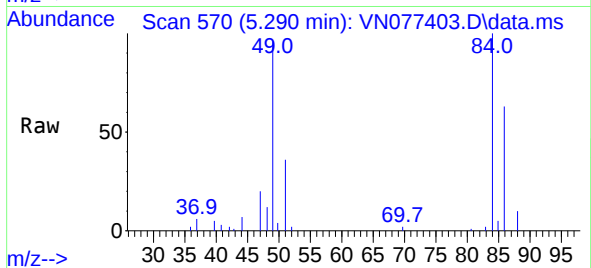


#20
Methylene Chloride
Concen: 5.159 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Instrument :
MSVOA_N
ClientSampleId :
SPB-8WC-23-04-17

Tgt Ion: 84 Resp: 40020

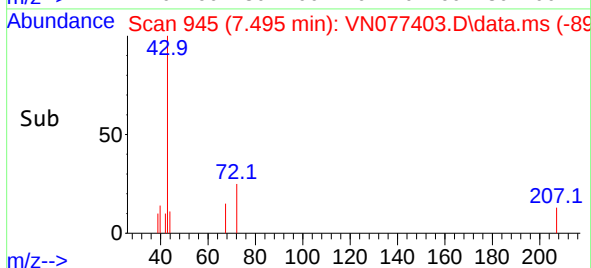
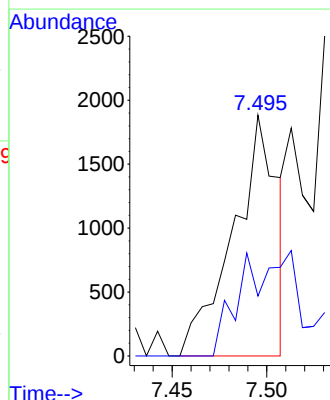
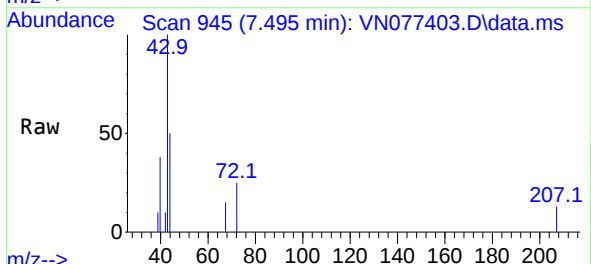
Ion	Ratio	Lower	Upper
84	100		
49	96.0	80.6	121.0
51	35.8	24.4	36.6
86	62.5	47.0	70.6

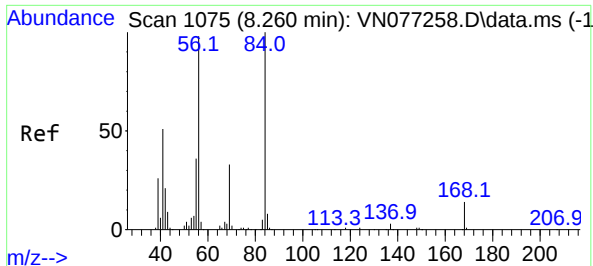


#25
2-Butanone
Concen: 0.685 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Tgt Ion: 43 Resp: 3054

Ion	Ratio	Lower	Upper
43	100		
72	24.9	26.6	39.8

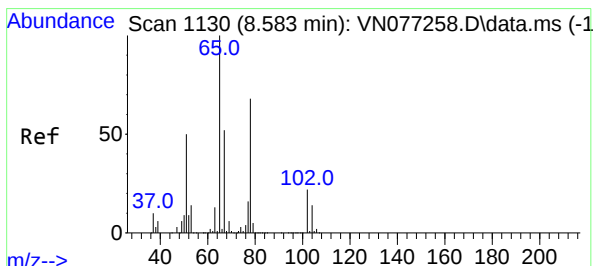
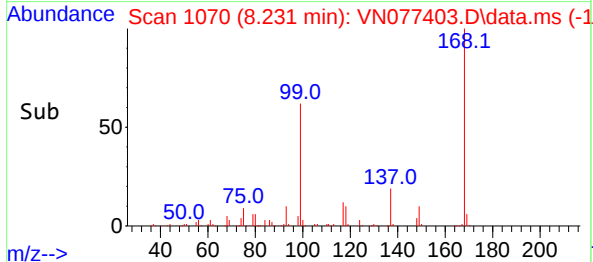
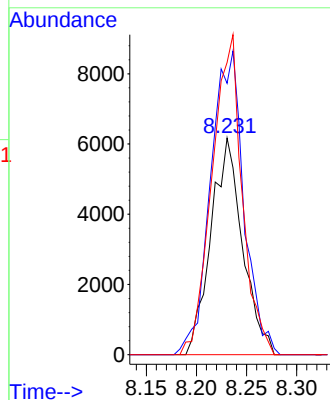
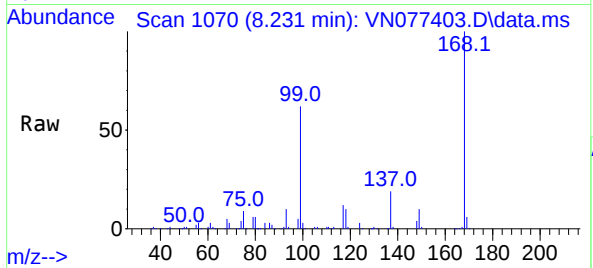




#31
Cyclohexane
Concen: 1.169 ug/l
RT: 8.231 min Scan# 1107
Delta R.T. -0.029 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

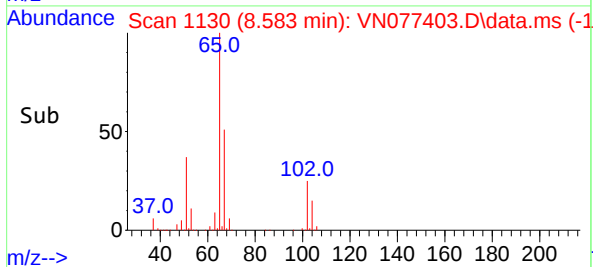
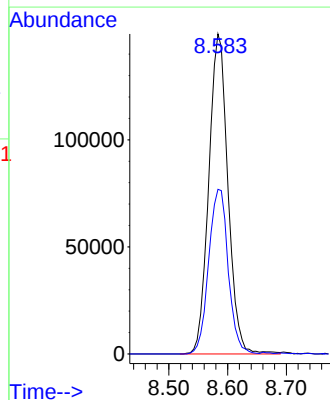
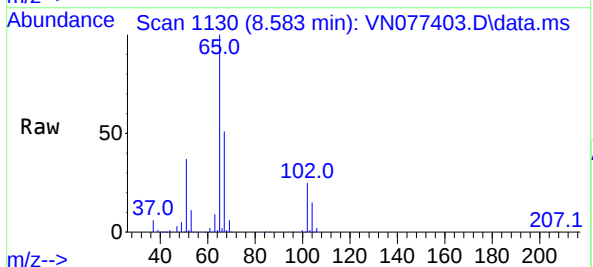
Instrument :
MSVOA_N
ClientSampleId :
SPB-8WC-23-04-17

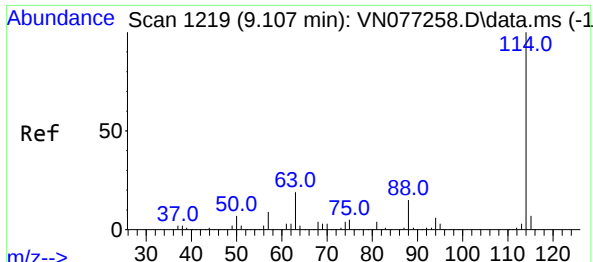
Tgt Ion: 56 Resp: 13532
Ion Ratio Lower Upper
56 100
69 125.2 26.6 40.0#
84 134.8 81.8 122.8#



#33
1,2-Dichloroethane-d4
Concen: 45.483 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Tgt Ion: 65 Resp: 338866
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.8

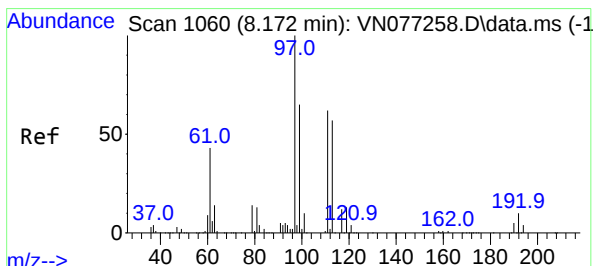
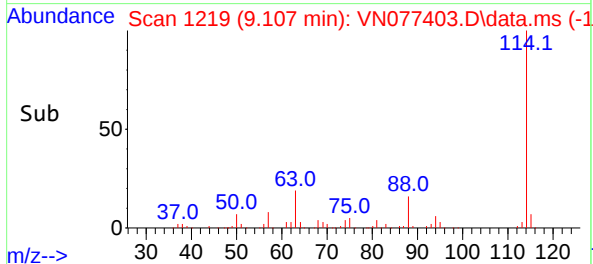
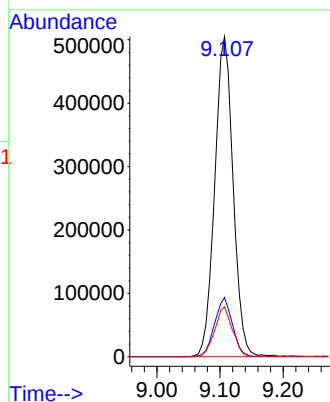
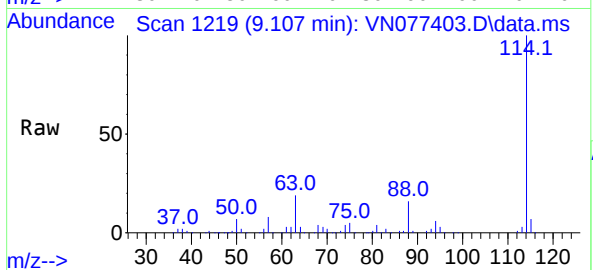




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

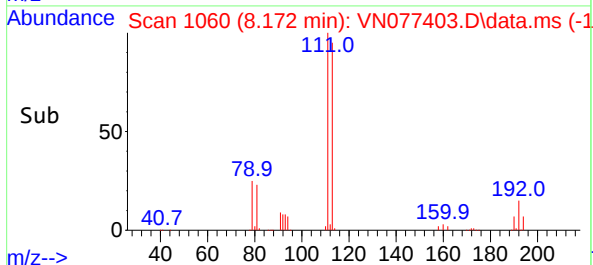
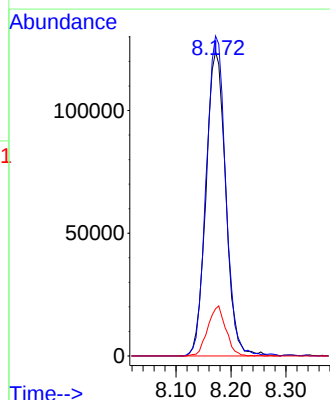
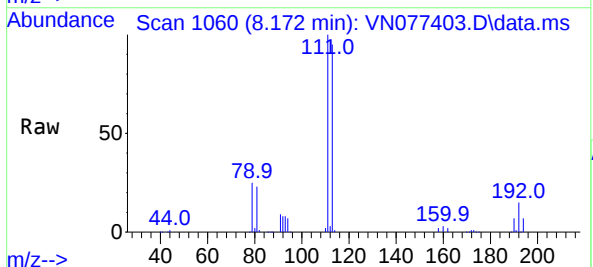
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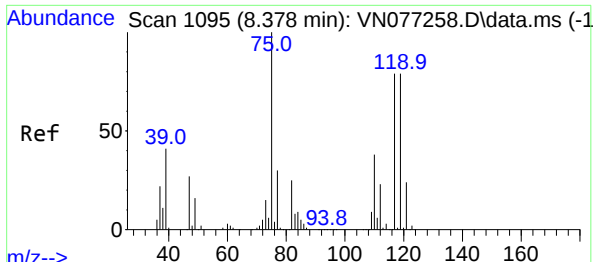
Tgt Ion:114 Resp: 1022511
Ion Ratio Lower Upper
114 100
63 18.5 0.0 37.8
88 15.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.195 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Tgt Ion:113 Resp: 308929
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.0
192 15.1 13.5 20.3

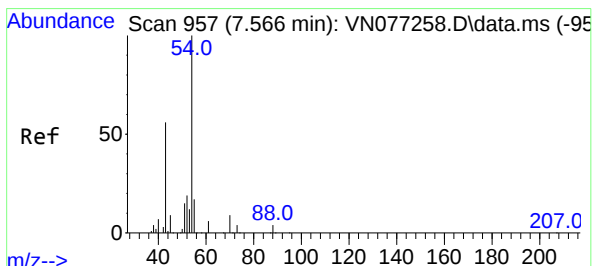
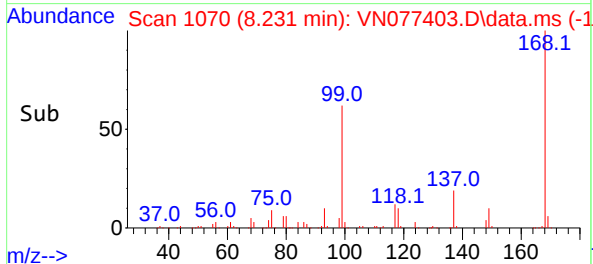
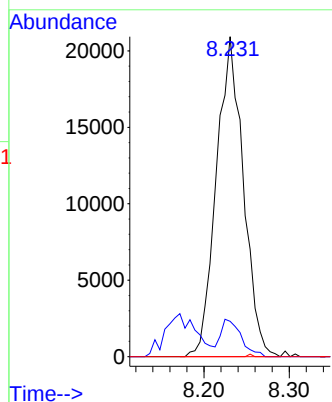
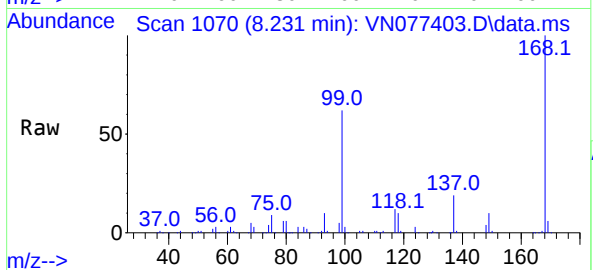




#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 8.231 min Scan# 110
Delta R.T. -0.147 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

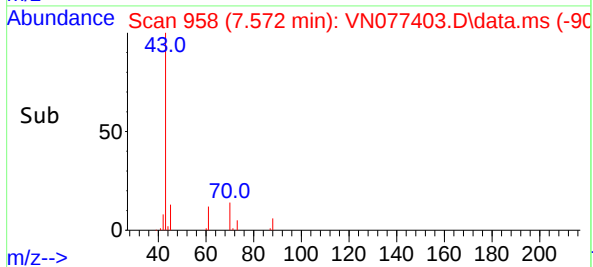
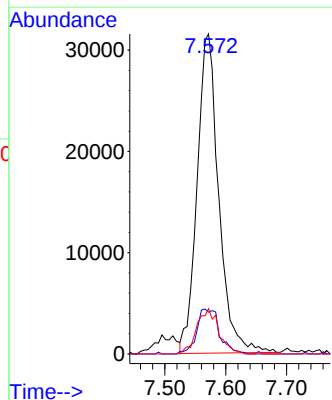
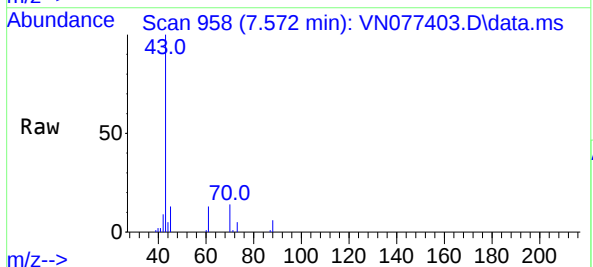
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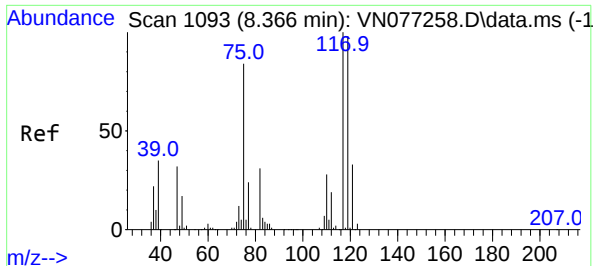
Tgt Ion: 75 Resp: 46027
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.992 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Tgt Ion: 43 Resp: 77885
Ion Ratio Lower Upper
43 100
61 14.8 12.2 18.2
70 14.3 10.0 15.0

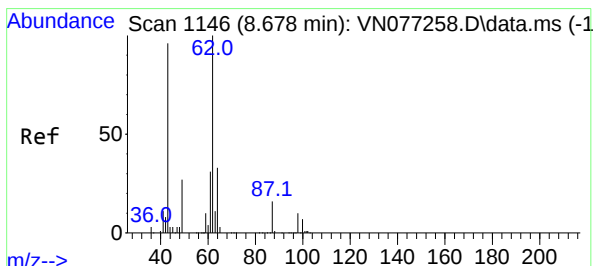
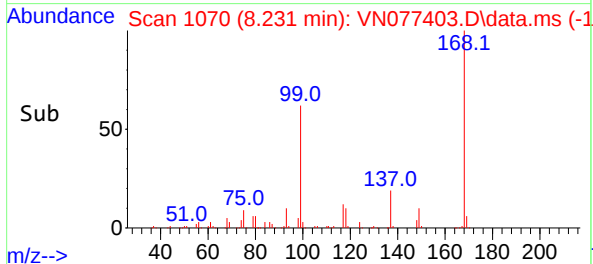
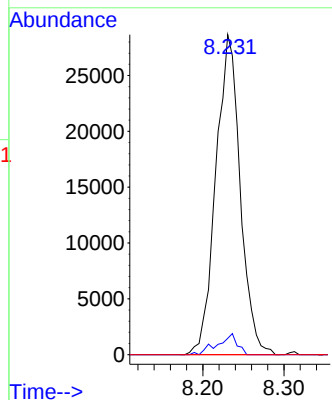
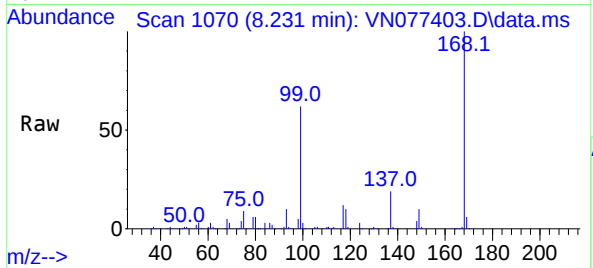




#38
Carbon Tetrachloride
Concen: 6.035 ug/l
RT: 8.231 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

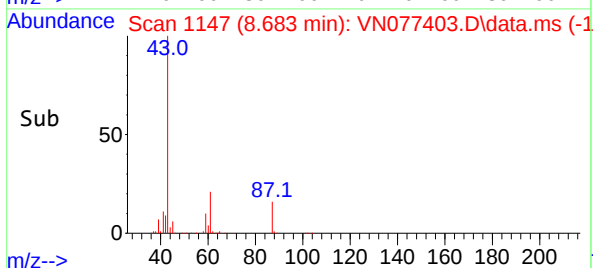
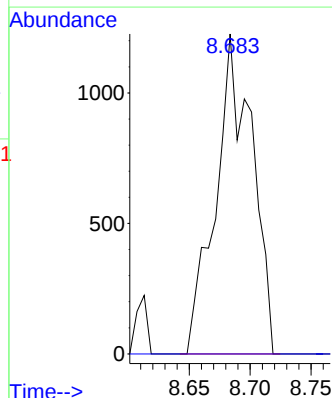
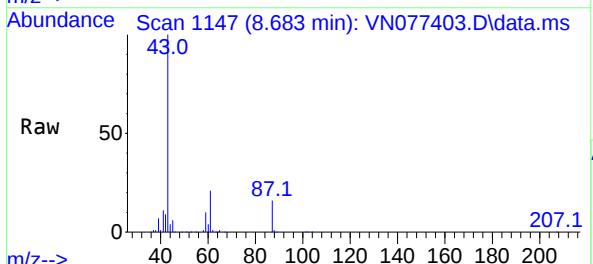
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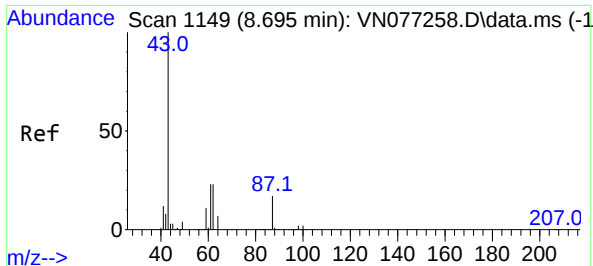
Tgt Ion: 117 Resp: 59858
Ion Ratio Lower Upper
117 100
119 5.1 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.275 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Tgt Ion: 62 Resp: 2559
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

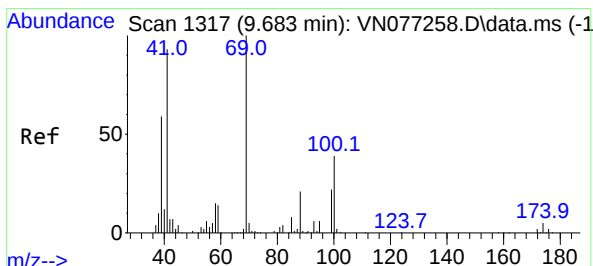
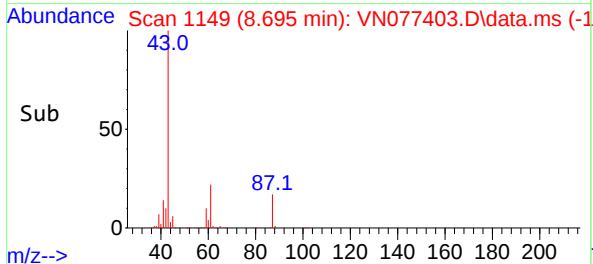
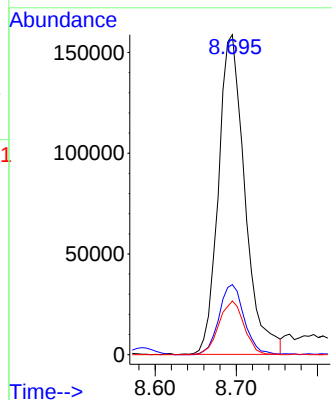
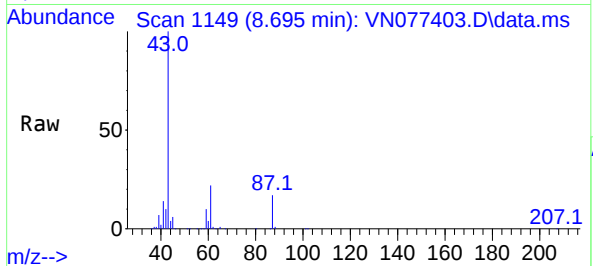




#43
Isopropyl Acetate
Concen: 22.462 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

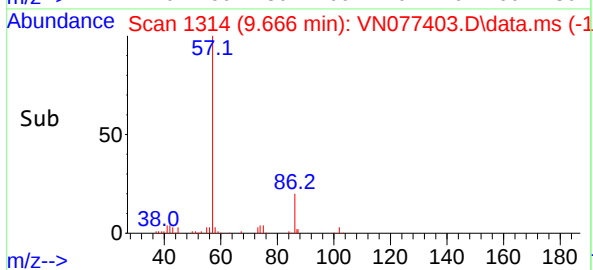
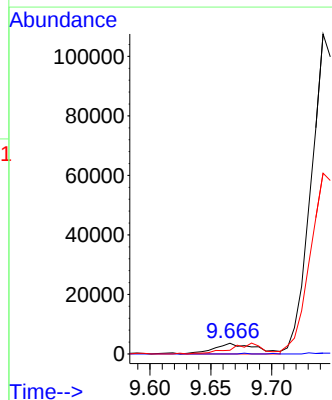
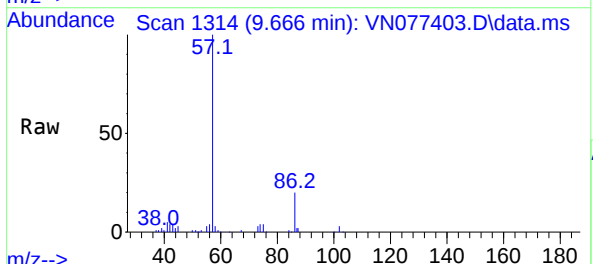
Instrument :
MSVOA_N
ClientSampleId :
SPB-8WC-23-04-17

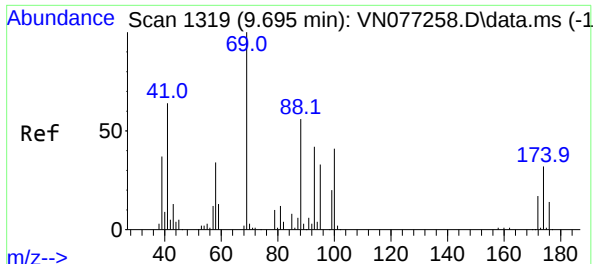
Tgt Ion: 43 Resp: 359020
Ion Ratio Lower Upper
43 100
61 20.9 22.7 34.1#
87 16.0 13.6 20.4



#48
Methyl methacrylate
Concen: 1.250 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.017 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Tgt Ion: 41 Resp: 8526
Ion Ratio Lower Upper
41 100
69 1.2 85.0 127.6#
39 74.5 53.5 80.3

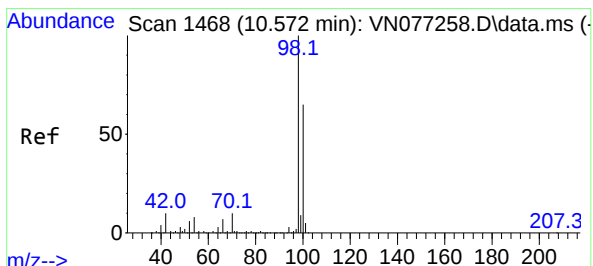
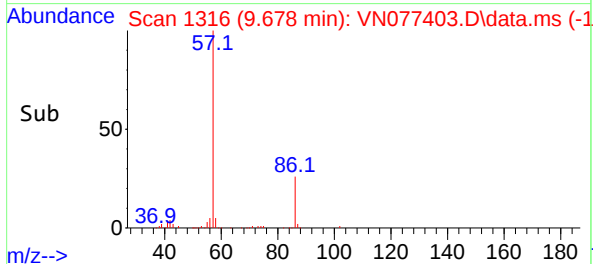
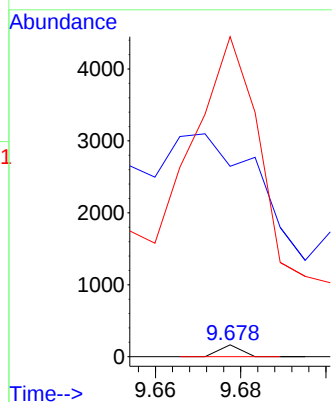
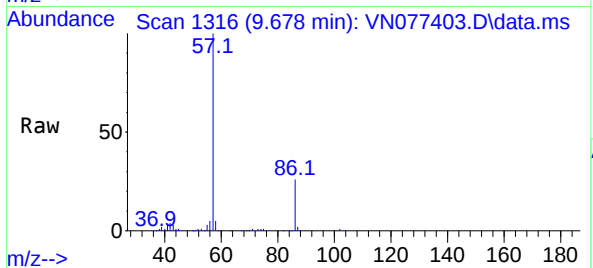




#49
1,4-Dioxane
Concen: 0.357 ug/l
RT: 9.678 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

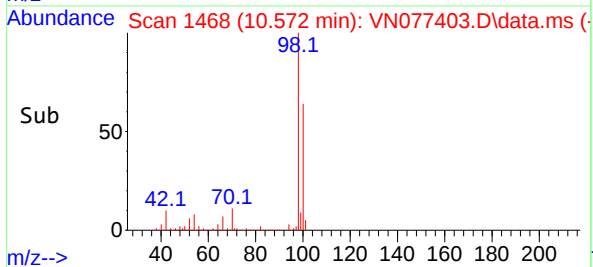
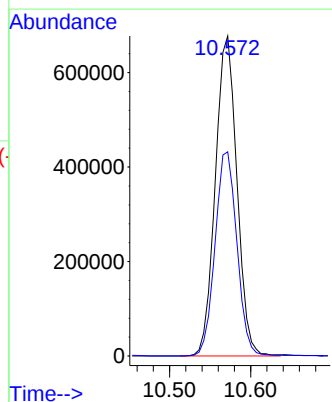
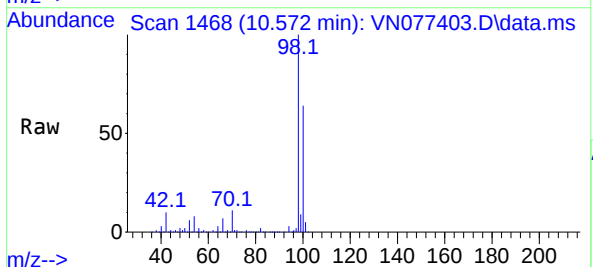
Instrument :
MSVOA_N
ClientSampleId :
SPB-8WC-23-04-17

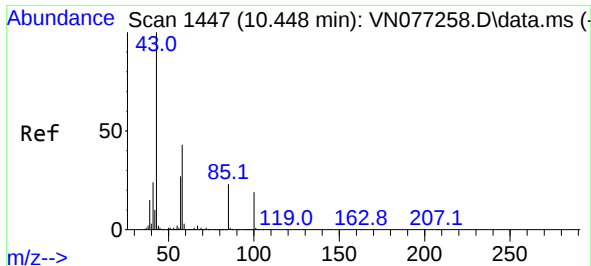
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 13874.6 49.8 74.6#



#50
Toluene-d8
Concen: 47.604 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Tgt Ion: 98 Resp: 1254416
Ion Ratio Lower Upper
98 100
100 64.8 51.3 76.9

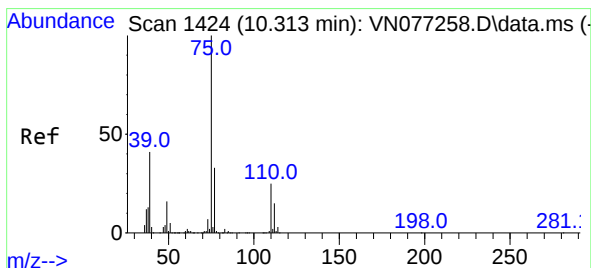
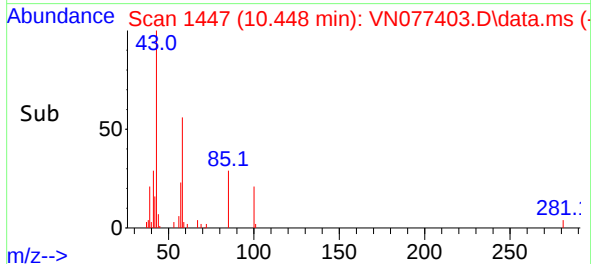
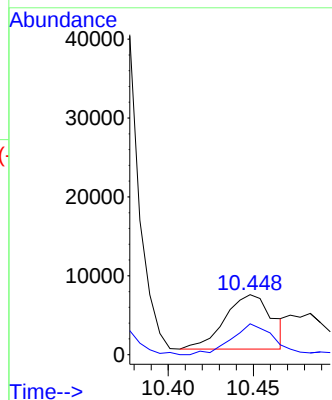
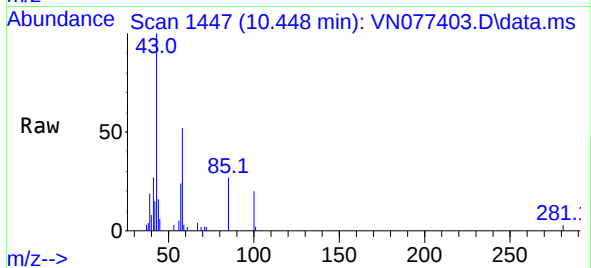




#51
4-Methyl-2-Pentanone
Concen: 1.440 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

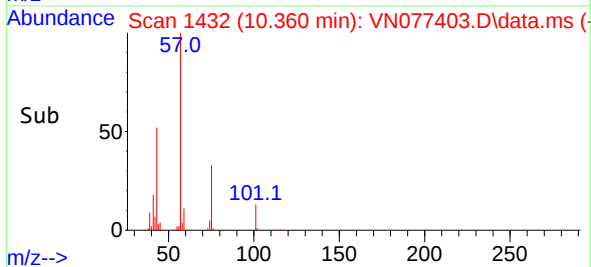
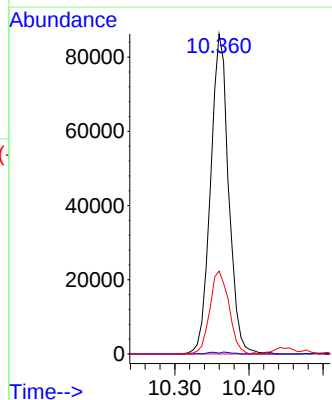
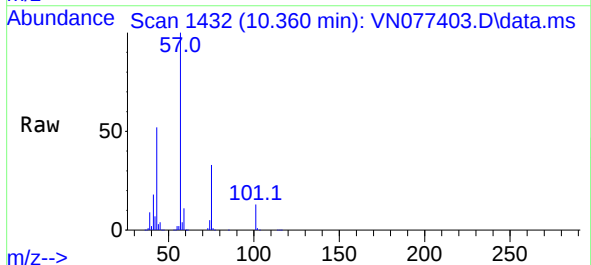
Instrument :
MSVOA_N
ClientSampleId :
SPB-8WC-23-04-17

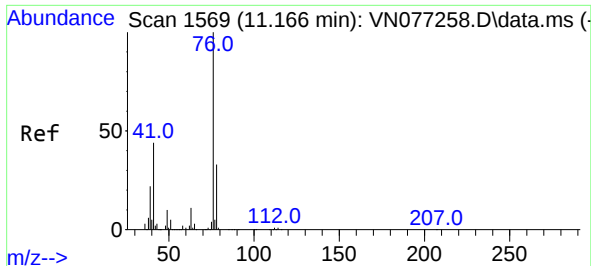
Tgt Ion: 43 Resp: 13303
Ion Ratio Lower Upper
43 100
58 52.5 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 11.710 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Tgt Ion: 75 Resp: 146284
Ion Ratio Lower Upper
75 100
77 0.2 26.7 40.1#
39 25.9 32.8 49.2#





#57

1,3-Dichloropropane

Concen: 0.729 ug/l

RT: 11.207 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN077403.D

Acq: 20 Apr 2023 16:22

Instrument :

MSVOA_N

ClientSampleId :

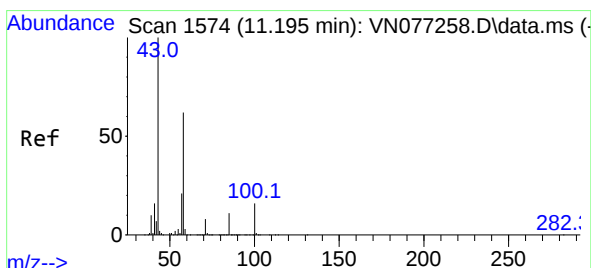
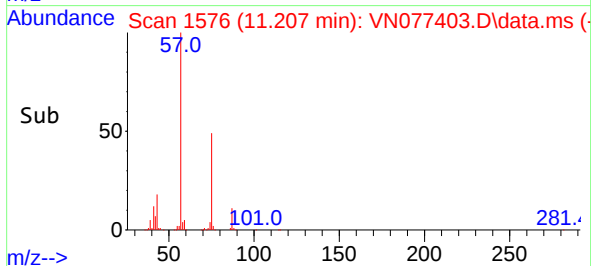
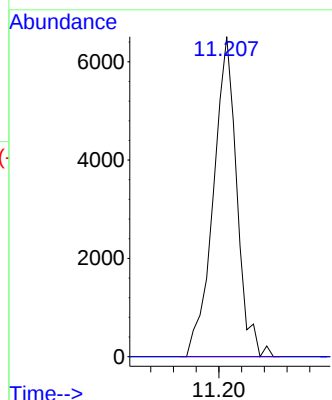
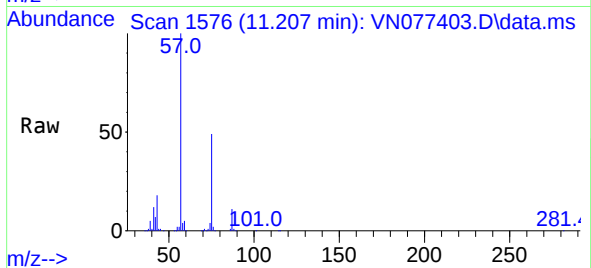
SPB-8WC-23-04-17

Tgt Ion: 76 Resp: 9349

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 50.784 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.023 min

Lab File: VN077403.D

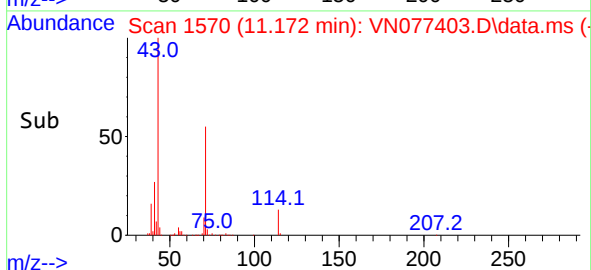
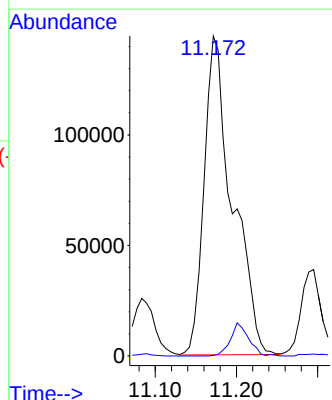
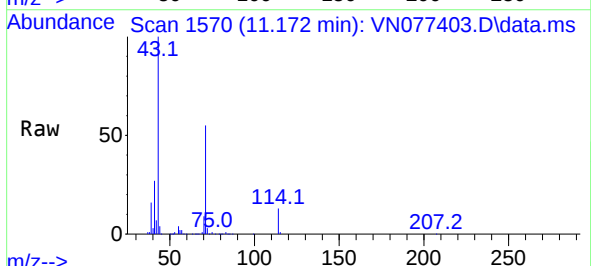
Acq: 20 Apr 2023 16:22

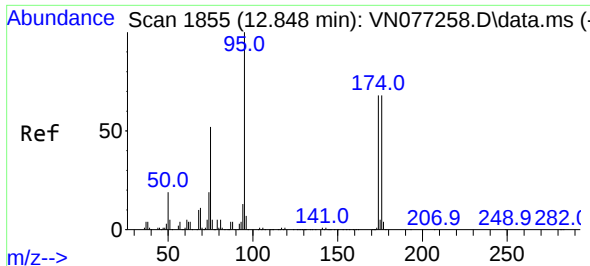
Tgt Ion: 43 Resp: 349539

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#



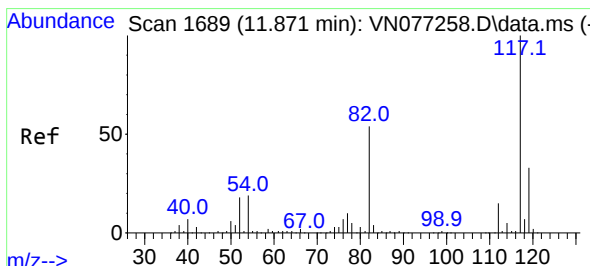
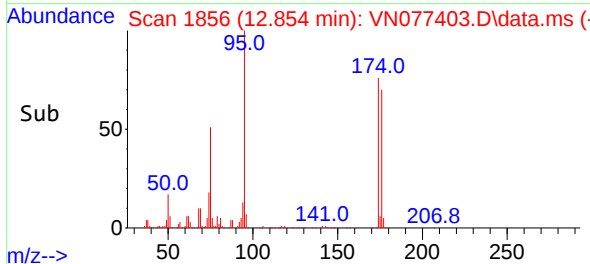
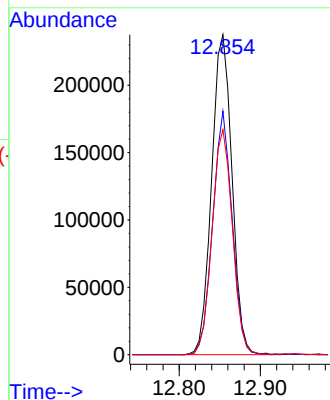
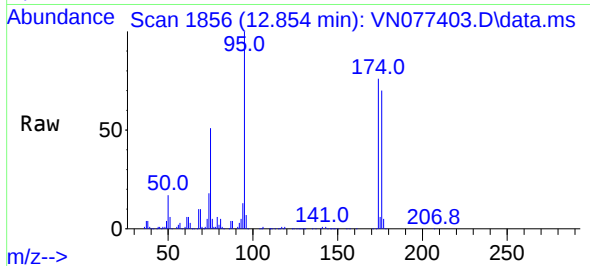


#62
4-Bromofluorobenzene
Concen: 47.182 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Instrument :
MSVOA_N
ClientSampleId :
SPB-8WC-23-04-17

Tgt Ion: 95 Resp: 413510

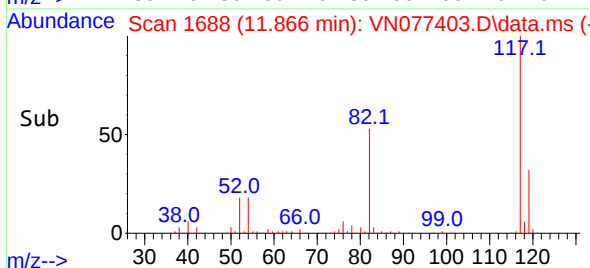
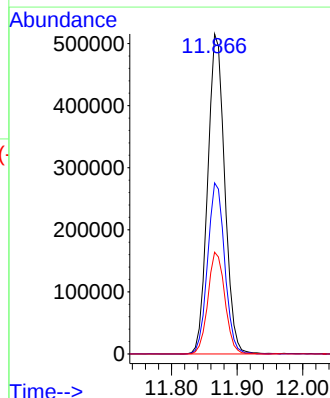
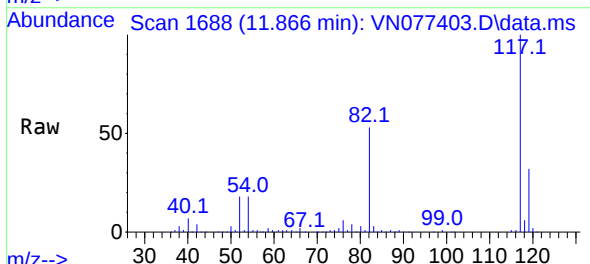
Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	146.8
176	70.1	0.0	139.6

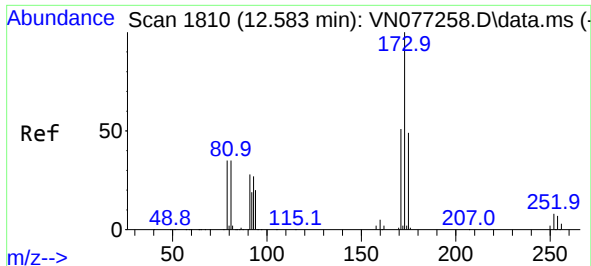


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Tgt Ion: 117 Resp: 929761

Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.9	64.3
119	31.8	26.2	39.4

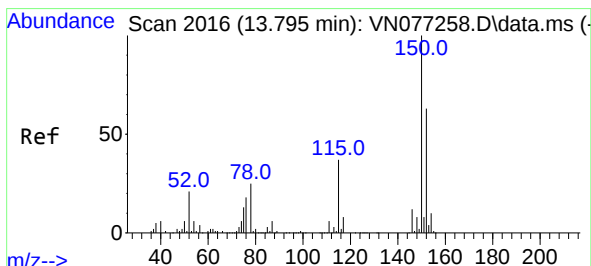
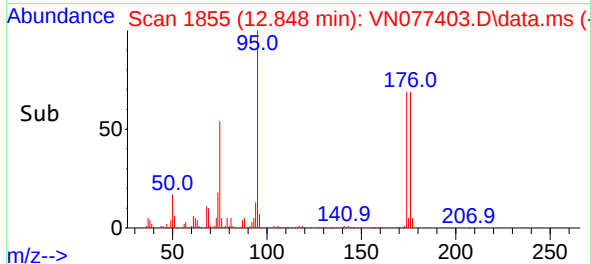
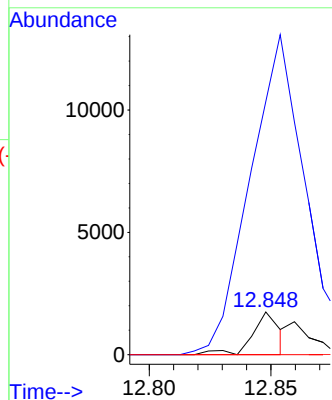
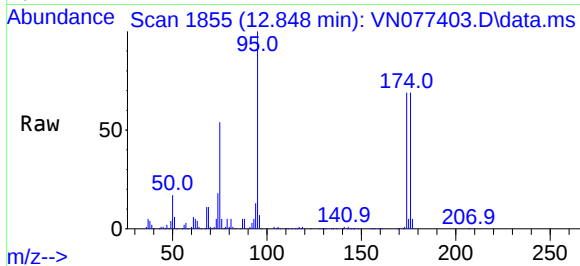




#71
Bromoform
Concen: 0.249 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

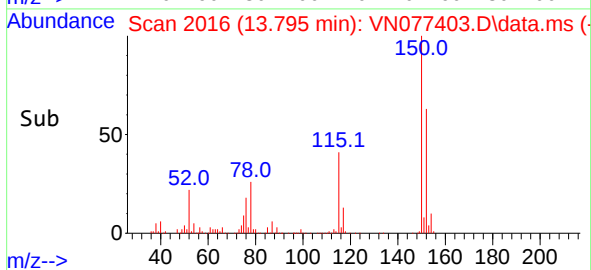
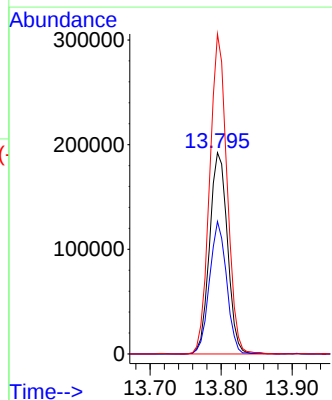
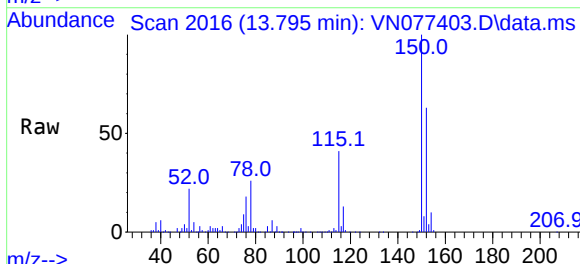
Instrument :
MSVOA_N
ClientSampleId :
SPB-8WC-23-04-17

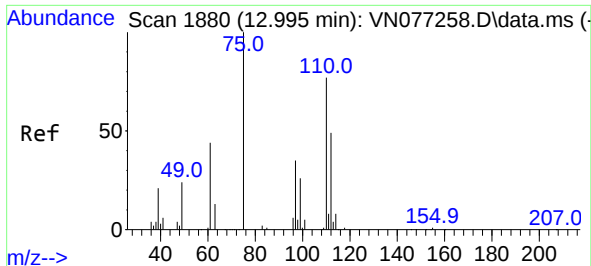
Tgt Ion:173 Resp: 1357
Ion Ratio Lower Upper
173 100
175 1226.9 24.1 72.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Tgt Ion:152 Resp: 336567
Ion Ratio Lower Upper
152 100
115 63.0 32.1 96.3
150 154.2 0.0 354.8

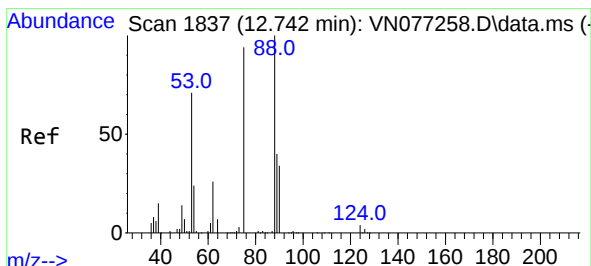
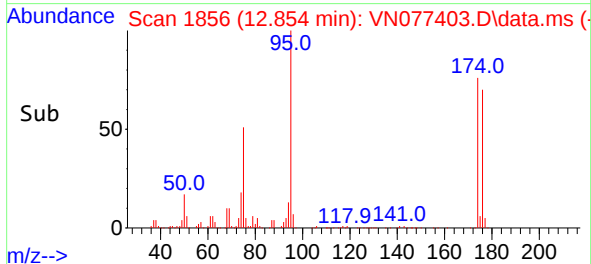
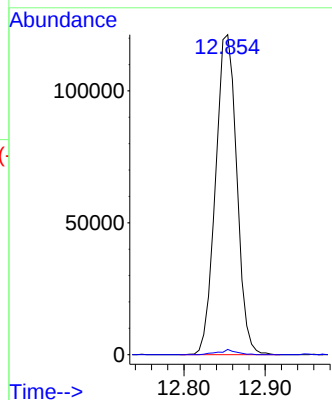
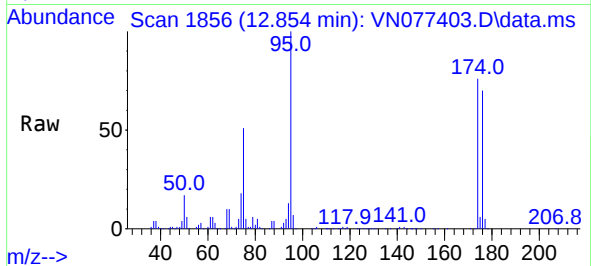




#76
1,2,3-Trichloropropane
Concen: 27.571 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Instrument :
MSVOA_N
ClientSampleId :
SPB-8WC-23-04-17

Tgt Ion: 75 Resp: 220970
Ion Ratio Lower Upper
75 100
77 1.3 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.044 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077403.D
Acq: 20 Apr 2023 16:22

Tgt Ion: 75 Resp: 220970
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

