

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077397.D
 Acq On : 20 Apr 2023 13:57
 Operator : JC\MD
 Sample : 02389-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPB-1WC-23-04-17

Quant Time: Apr 21 02:39:36 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)

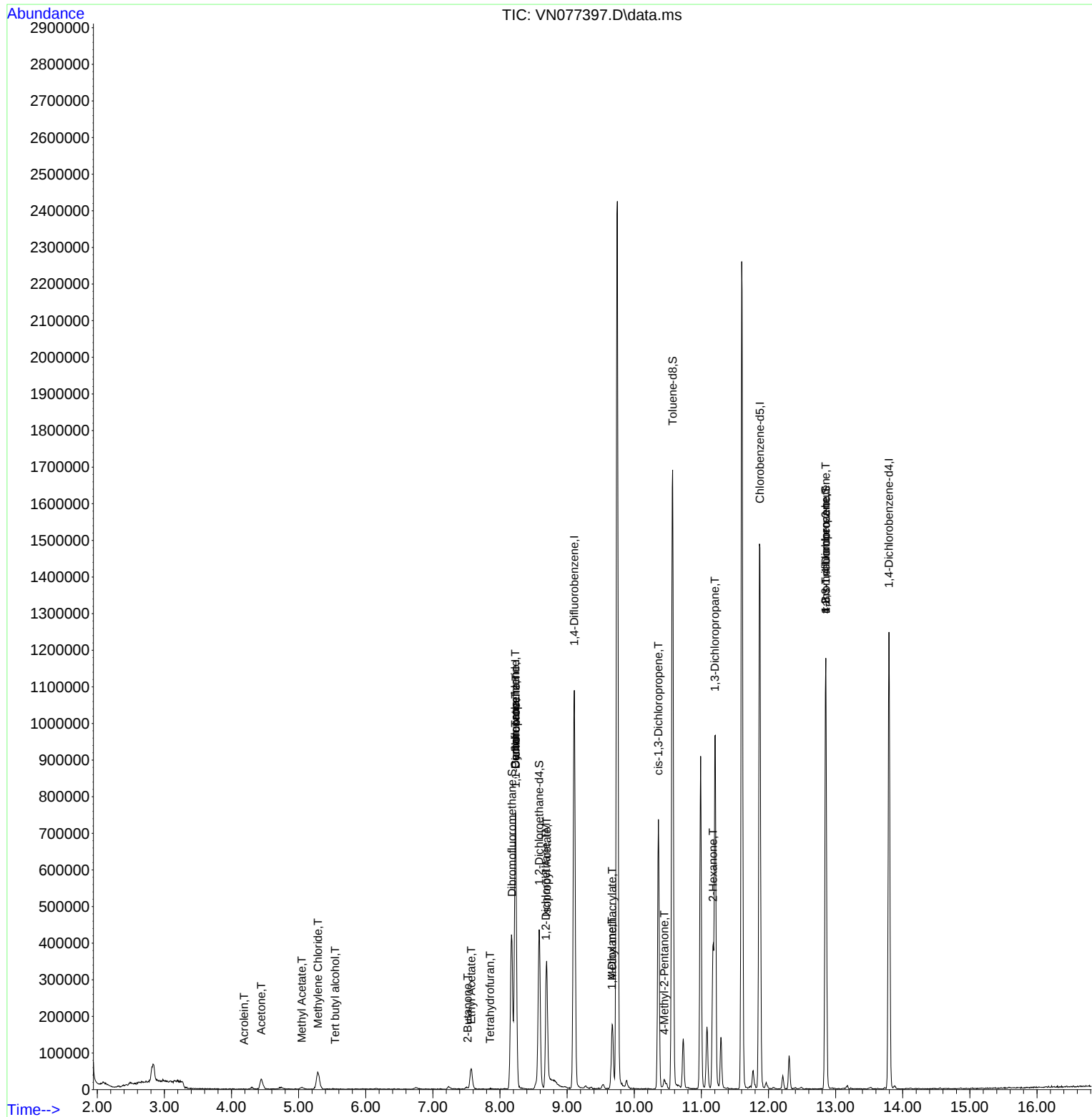
Internal Standards						
1) Pentafluorobenzene	8.231	168	541157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1005559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	910804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	338651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	345693	46.739	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.480%		
35) Dibromofluoromethane	8.178	113	310641	48.257	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.520%		
50) Toluene-d8	10.572	98	1248163	48.165	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.320%		
62) 4-Bromofluorobenzene	12.854	95	409111	47.467	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.940%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.543	59	479	0.317	ug/l #	65
13) Acrolein	4.190	56	320	0.224	ug/l #	40
16) Acetone	4.443	43	51097	18.737	ug/l #	81
18) Methyl Acetate	5.049	43	9791	0.943	ug/l	98
20) Methylene Chloride	5.290	84	40592	5.271	ug/l	96
25) 2-Butanone	7.519	43	6761	1.528	ug/l	90
29) Tetrahydrofuran	7.854	42	1027	0.361	ug/l #	66
31) Cyclohexane	8.231	56	12779	1.112	ug/l #	40
36) 1,1-Dichloropropene	8.237	75	46404	4.874	ug/l #	49
37) Ethyl Acetate	7.572	43	81773	9.600	ug/l #	94
38) Carbon Tetrachloride	8.231	117	61491	6.304	ug/l #	16
42) 1,2-Dichloroethane	8.684	62	3724	0.407	ug/l #	73
43) Isopropyl Acetate	8.695	43	402139	25.584	ug/l #	89
48) Methyl methacrylate	9.672	41	9181	1.369	ug/l #	35
49) 1,4-Dioxane	9.666	88	208	1.279	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	23985	2.640	ug/l #	76
54) cis-1,3-Dichloropropene	10.360	75	151580	12.339	ug/l #	63
57) 1,3-Dichloropropane	11.201	76	11570	0.918	ug/l #	42
59) 2-Hexanone	11.172	43	394688	58.311	ug/l #	20
76) 1,2,3-Trichloropropane	12.854	75	227422	28.201	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	227422	63.463	ug/l #	13

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

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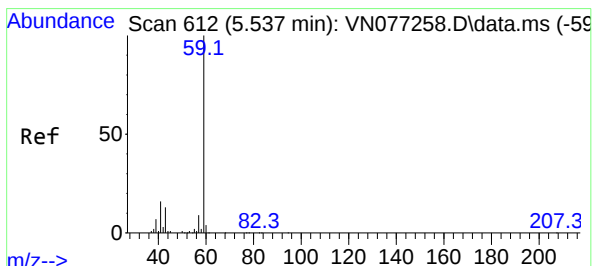
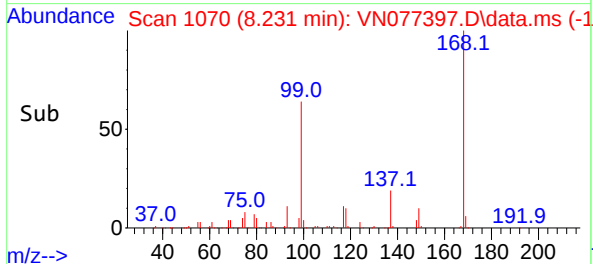
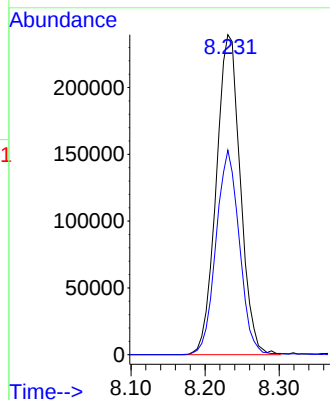
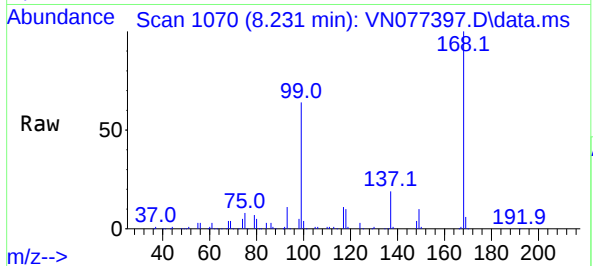




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

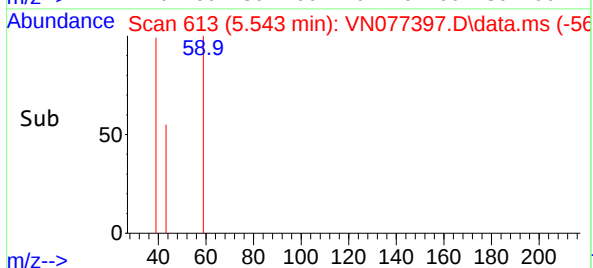
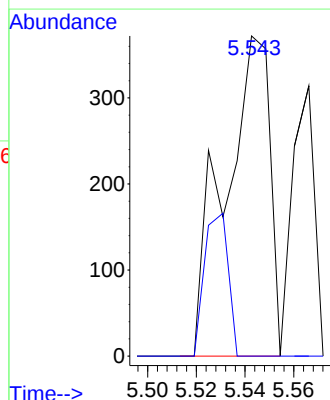
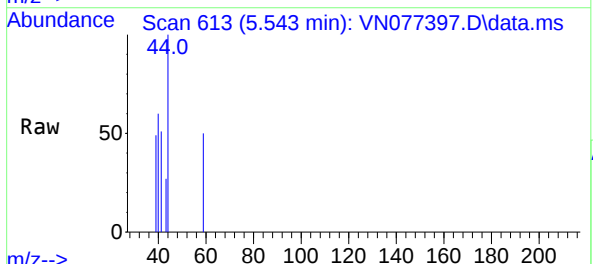
Instrument :
MSVOA_N
ClientSampleId :
SPB-1WC-23-04-17

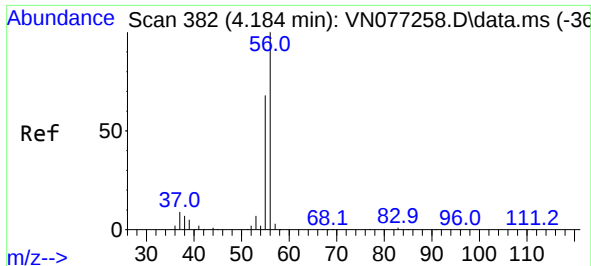
Tgt Ion:168 Resp: 541157
Ion Ratio Lower Upper
168 100
99 63.9 50.6 75.8



#11
Tert butyl alcohol
Concen: 0.317 ug/l
RT: 5.543 min Scan# 613
Delta R.T. 0.006 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

Tgt Ion: 59 Resp: 479
Ion Ratio Lower Upper
59 100
57 23.4 8.3 12.5#

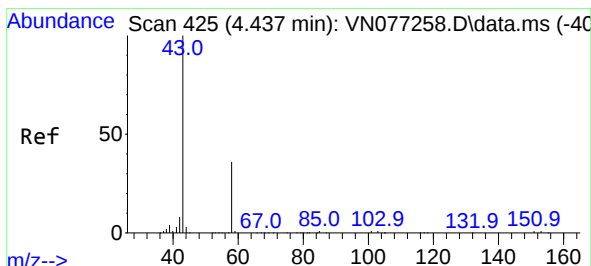
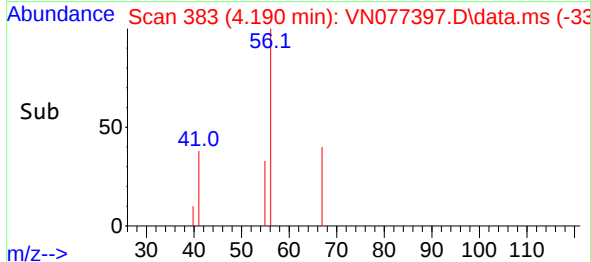
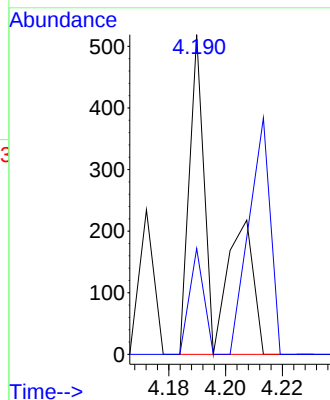
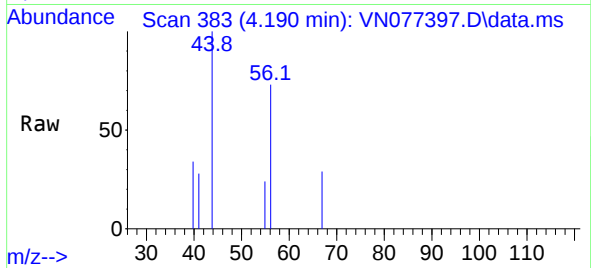




#13
Acrolein
Concen: 0.224 ug/l
RT: 4.190 min Scan# 383
Delta R.T. 0.006 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

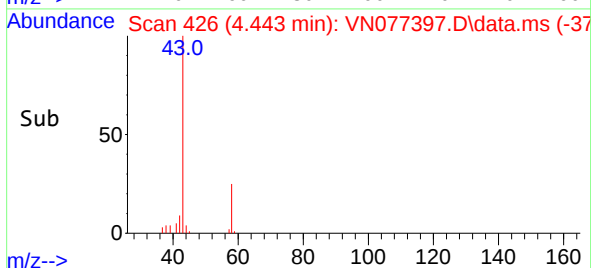
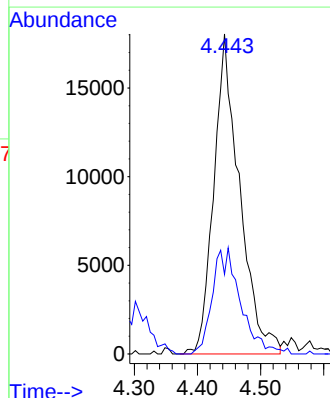
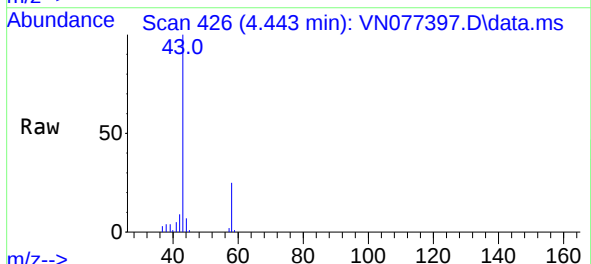
Instrument :
MSVOA_N
ClientSampleId :
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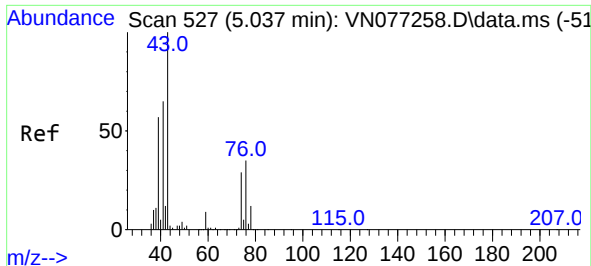
Tgt Ion: 56 Resp: 320
Ion Ratio Lower Upper
56 100
55 19.1 54.2 81.2#



#16
Acetone
Concen: 18.737 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.006 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

Tgt Ion: 43 Resp: 51097
Ion Ratio Lower Upper
43 100
58 24.9 29.0 43.6#

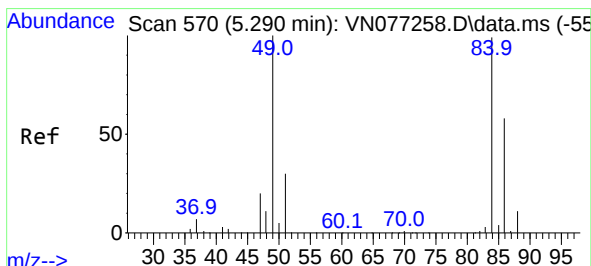
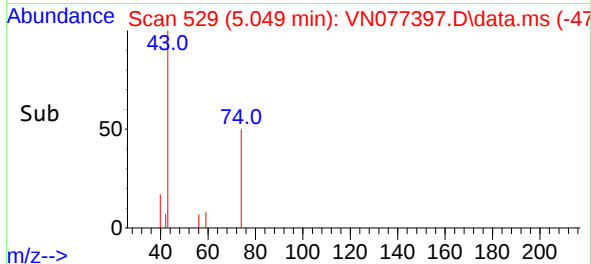
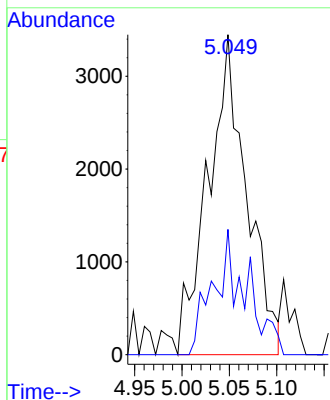
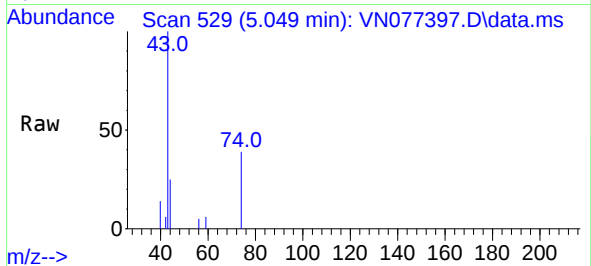




#18
Methyl Acetate
Concen: 0.943 ug/l
RT: 5.049 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

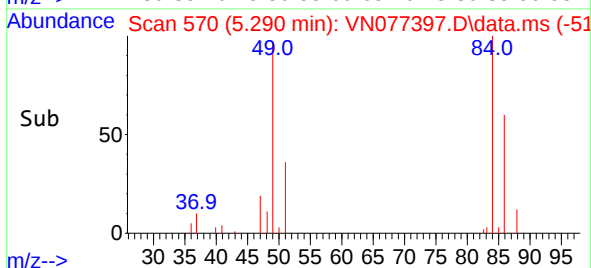
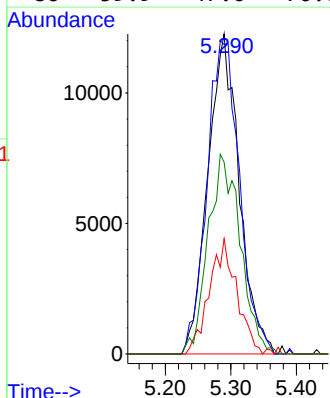
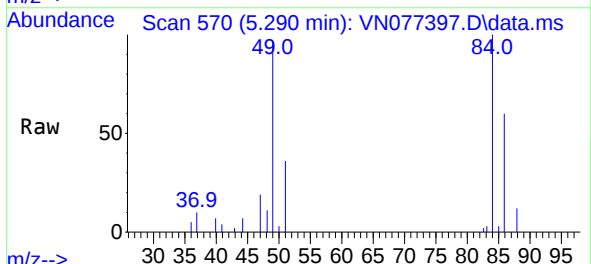
Instrument :
MSVOA_N
ClientSampleId :
SPB-1WC-23-04-17

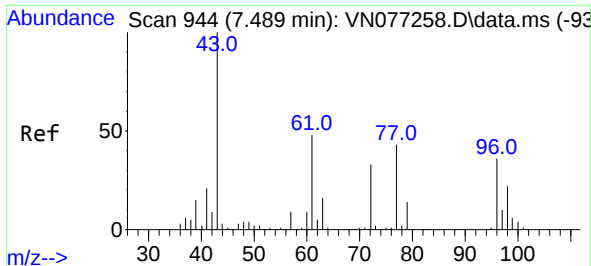
Tgt Ion: 43 Resp: 9791
Ion Ratio Lower Upper
43 100
74 30.1 23.4 35.2



#20
Methylene Chloride
Concen: 5.271 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

Tgt Ion: 84 Resp: 40592
Ion Ratio Lower Upper
84 100
49 96.7 80.6 121.0
51 36.0 24.4 36.6
86 59.9 47.0 70.6

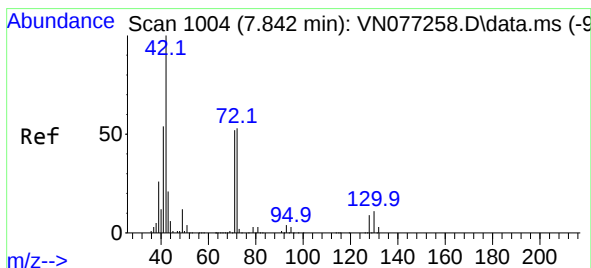
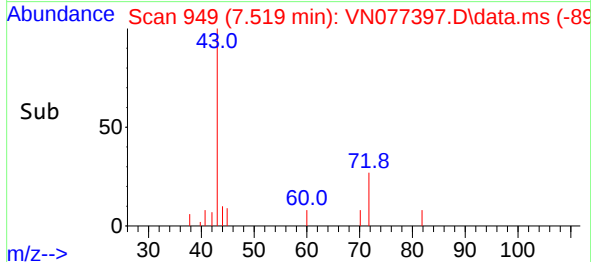
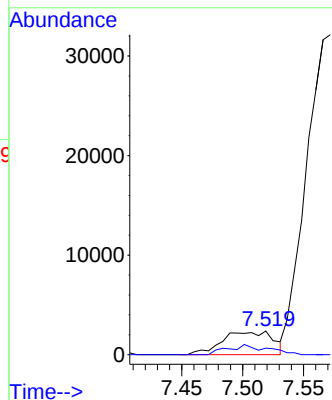
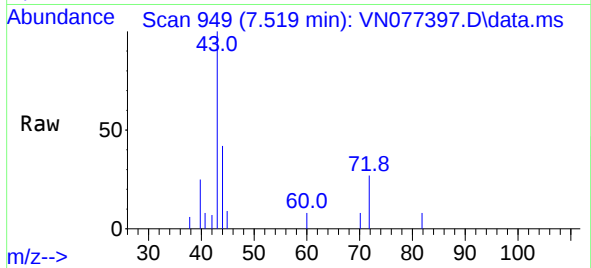




#25
2-Butanone
Concen: 1.528 ug/l
RT: 7.519 min Scan# 944
Delta R.T. 0.030 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

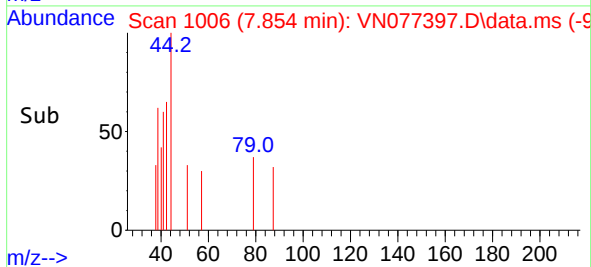
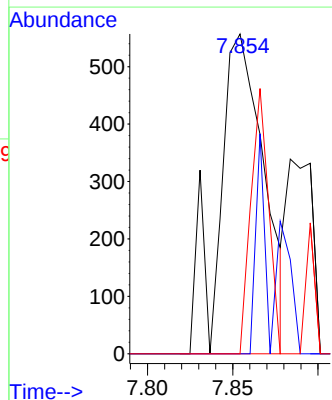
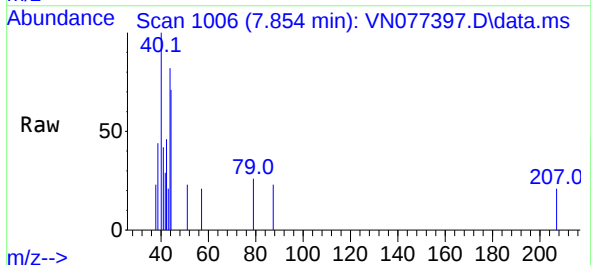
Instrument :
MSVOA_N
ClientSampleId :
SPB-1WC-23-04-17

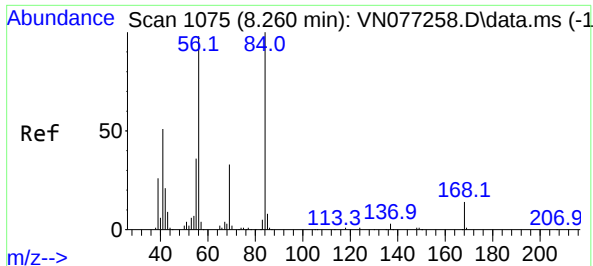
Tgt Ion: 43 Resp: 6761
Ion Ratio Lower Upper
43 100
72 27.5 26.6 39.8



#29
Tetrahydrofuran
Concen: 0.361 ug/l
RT: 7.854 min Scan# 1006
Delta R.T. 0.012 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

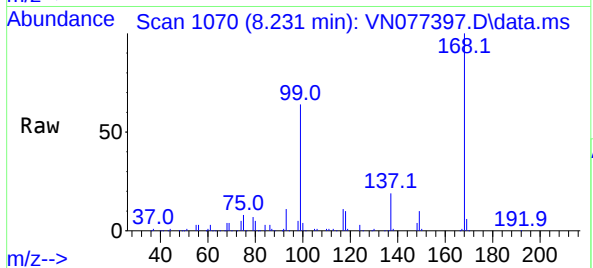
Tgt Ion: 42 Resp: 1027
Ion Ratio Lower Upper
42 100
72 26.8 44.6 66.8#
71 32.4 41.3 61.9#



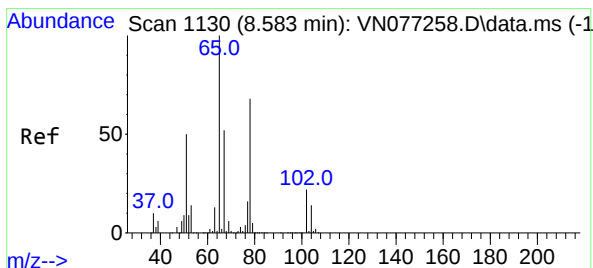
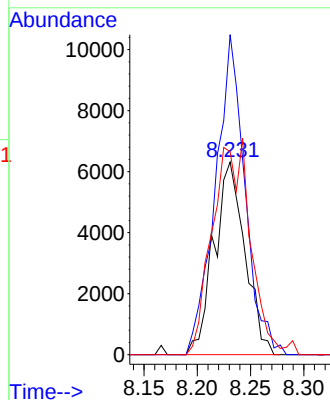
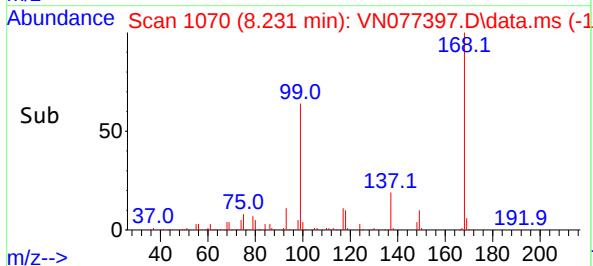


#31
Cyclohexane
Concen: 1.112 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

Instrument :
MSVOA_N
ClientSampleId :
SPB-1WC-23-04-17

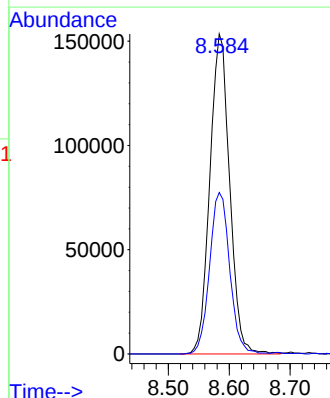
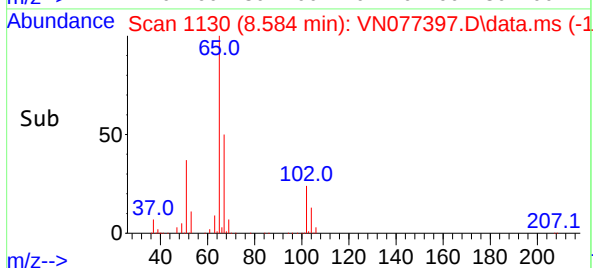
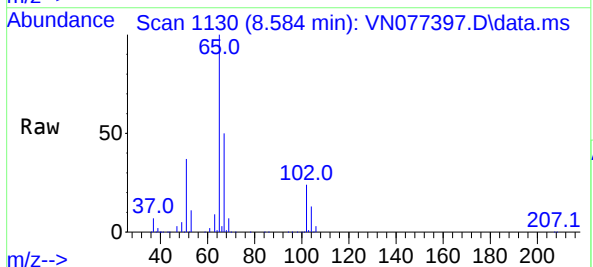


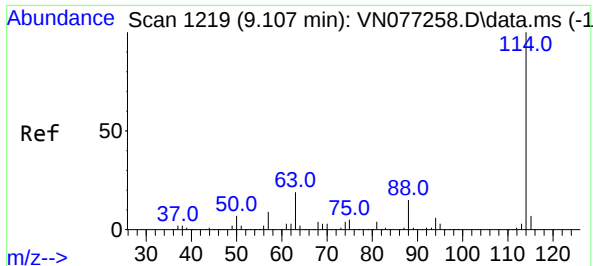
Tgt Ion: 56 Resp: 12779
Ion Ratio Lower Upper
56 100
69 166.1 26.6 40.0#
84 105.4 81.8 122.8



#33
1,2-Dichloroethane-d4
Concen: 46.739 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

Tgt Ion: 65 Resp: 345693
Ion Ratio Lower Upper
65 100
67 51.5 0.0 108.8

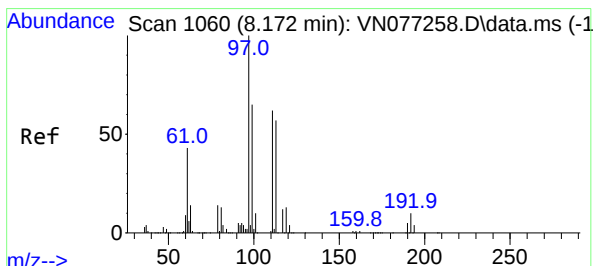
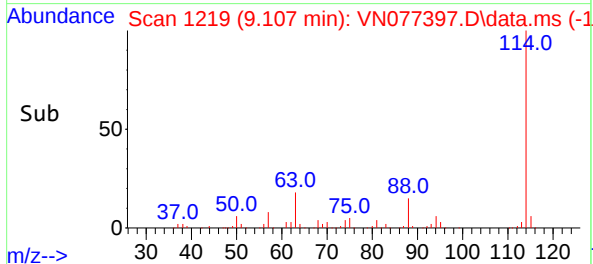
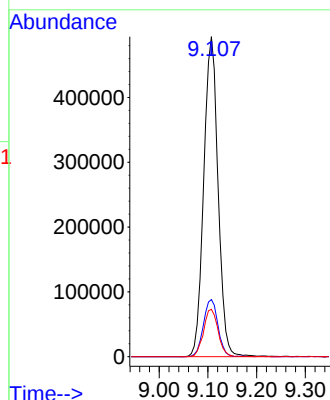
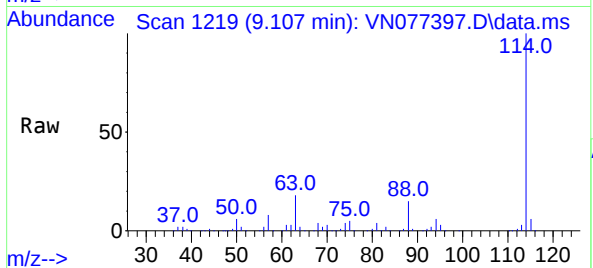




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

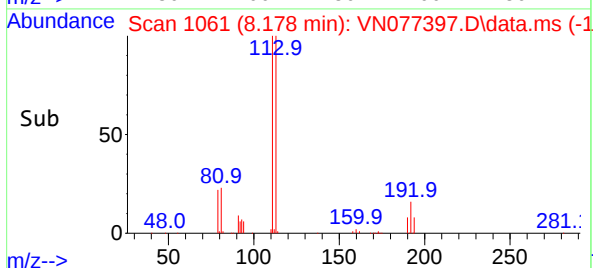
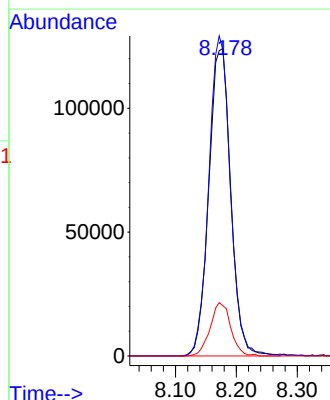
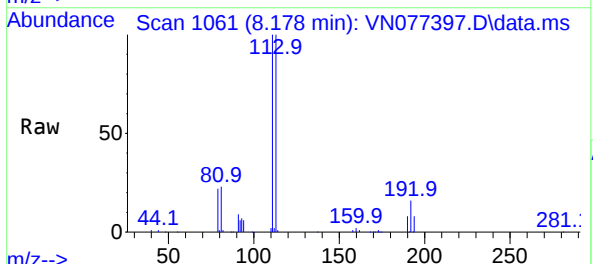
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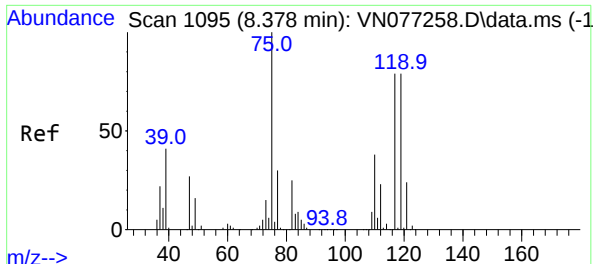
Tgt Ion:114 Resp: 1005559
Ion Ratio Lower Upper
114 100
63 17.9 0.0 37.8
88 14.8 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.257 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. 0.006 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

Tgt Ion:113 Resp: 310641
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.0
192 16.3 13.5 20.3

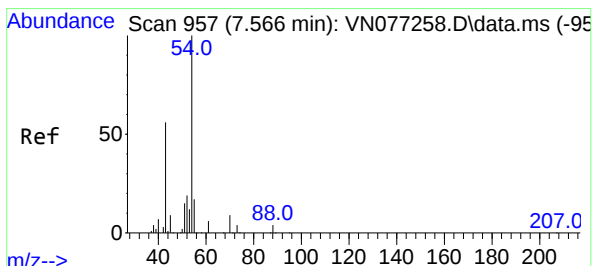
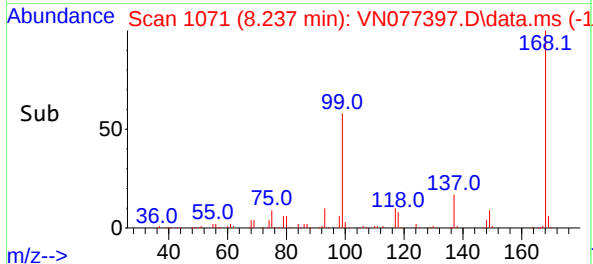
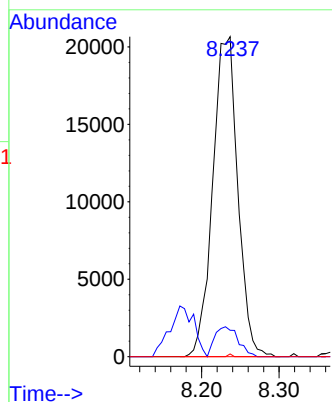
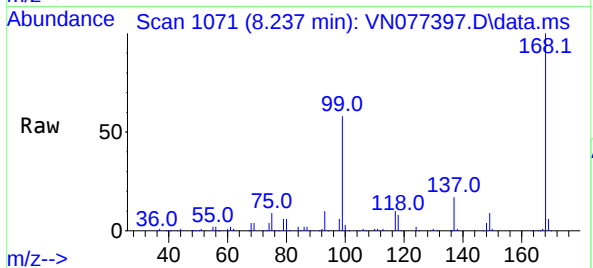




#36
1,1-Dichloropropene
Concen: 4.874 ug/l
RT: 8.237 min Scan# 1095
Delta R.T. -0.141 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

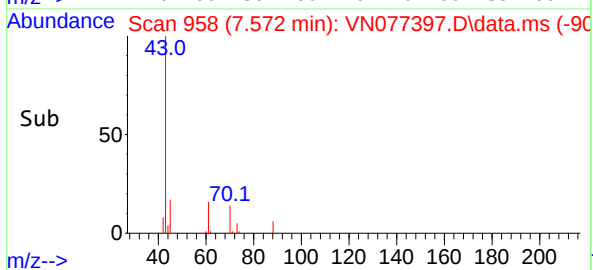
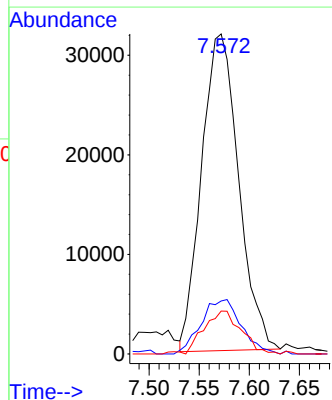
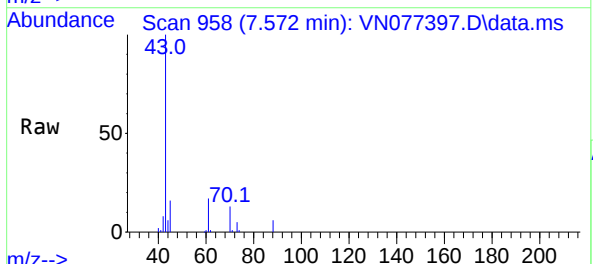
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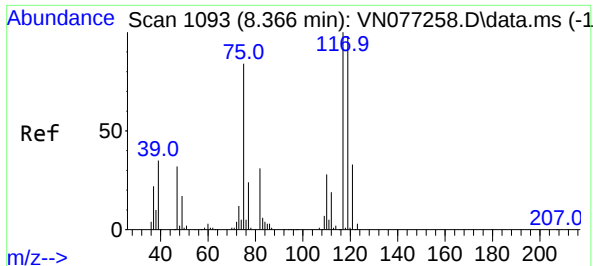
Tgt Ion: 75 Resp: 46404
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.1 25.0 37.4#



#37
Ethyl Acetate
Concen: 9.600 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

Tgt Ion: 43 Resp: 81773
Ion Ratio Lower Upper
43 100
61 18.6 12.2 18.2#
70 13.8 10.0 15.0

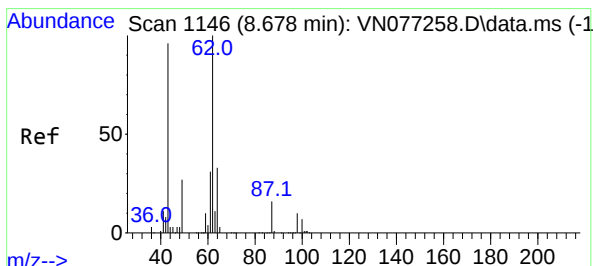
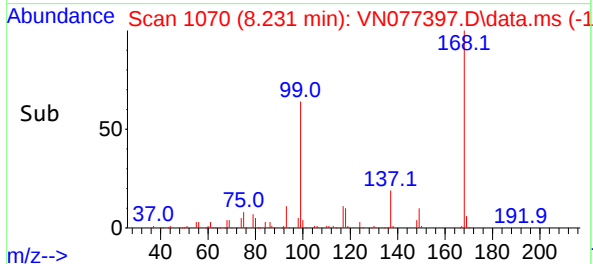
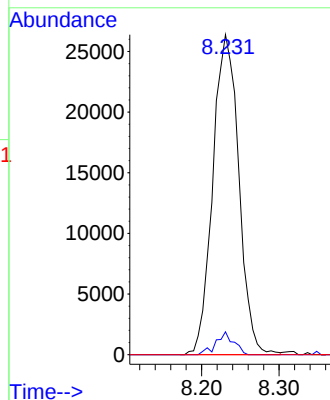
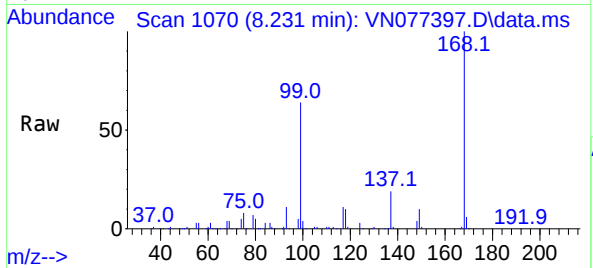




#38
Carbon Tetrachloride
Concen: 6.304 ug/l
RT: 8.231 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

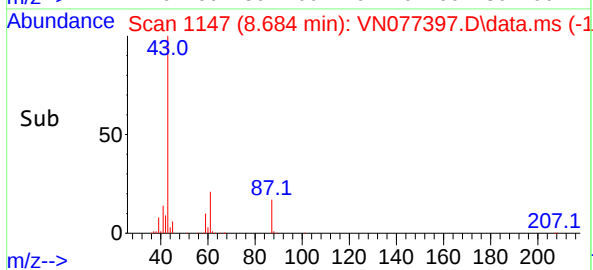
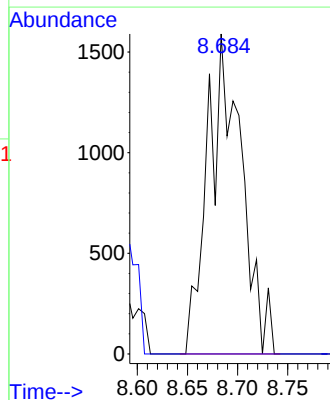
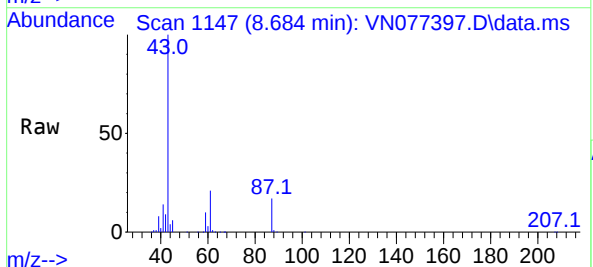
Instrument :
MSVOA_N
ClientSampleId :
SPB-1WC-23-04-17

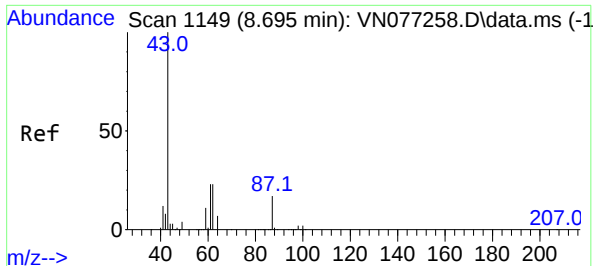
Tgt Ion:117 Resp: 61491
Ion Ratio Lower Upper
117 100
119 7.2 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.407 ug/l
RT: 8.684 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

Tgt Ion: 62 Resp: 3724
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

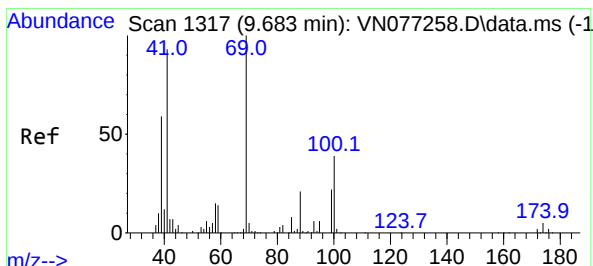
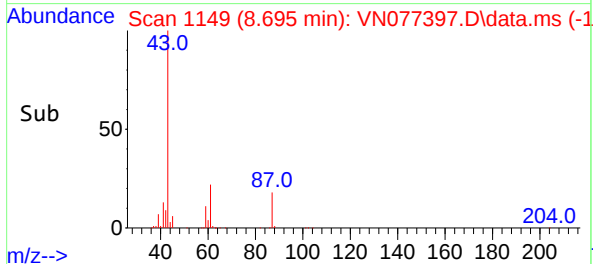
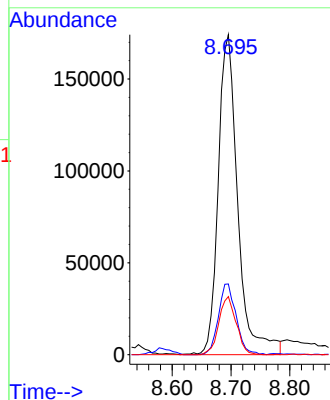
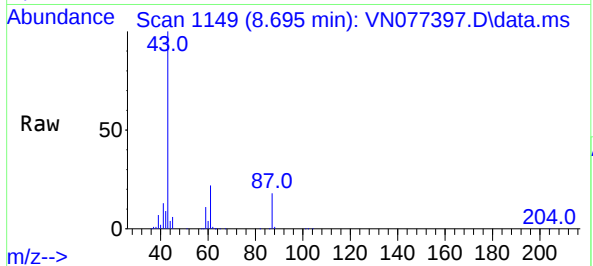




#43
Isopropyl Acetate
Concen: 25.584 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

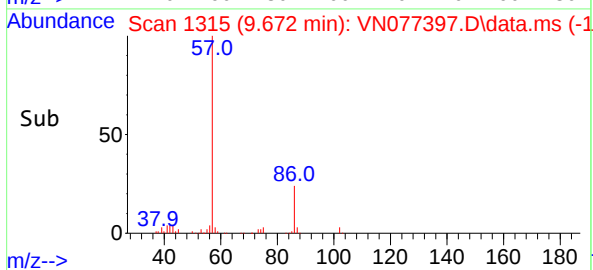
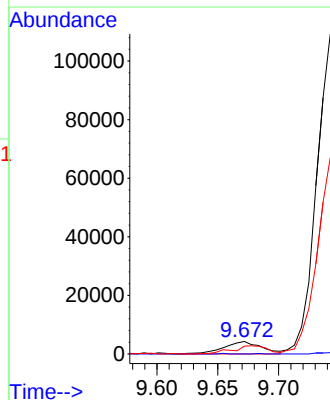
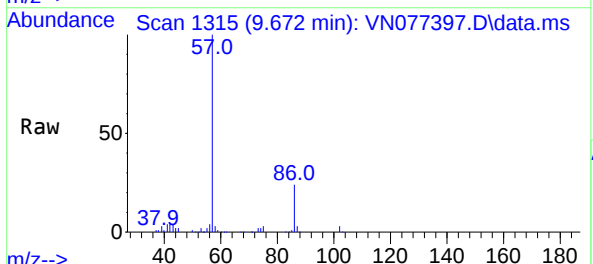
Instrument :
MSVOA_N
ClientSampleId :
SPB-1WC-23-04-17

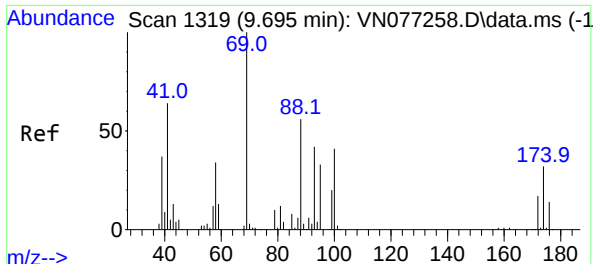
Tgt Ion: 43 Resp: 402139
Ion Ratio Lower Upper
43 100
61 20.1 22.7 34.1#
87 16.1 13.6 20.4



#48
Methyl methacrylate
Concen: 1.369 ug/l
RT: 9.672 min Scan# 1315
Delta R.T. -0.011 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

Tgt Ion: 41 Resp: 9181
Ion Ratio Lower Upper
41 100
69 0.7 85.0 127.6#
39 61.5 53.5 80.3

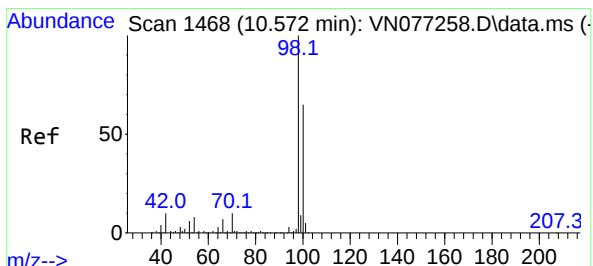
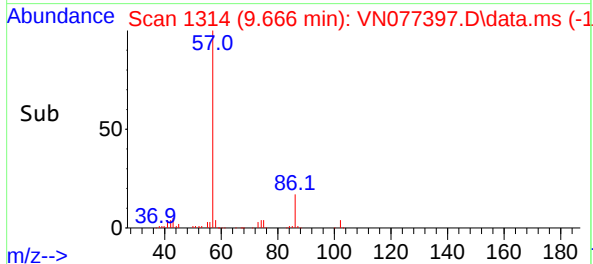
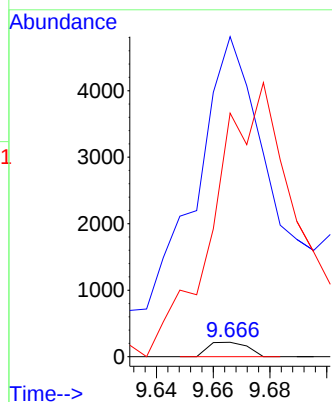
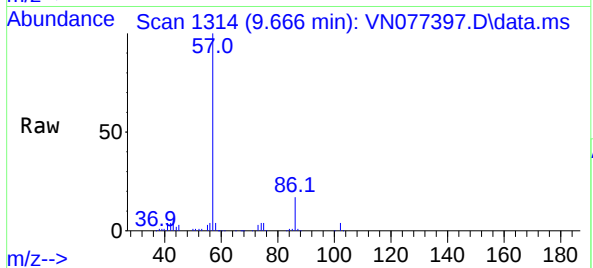




#49
1,4-Dioxane
Concen: 1.279 ug/l
RT: 9.666 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

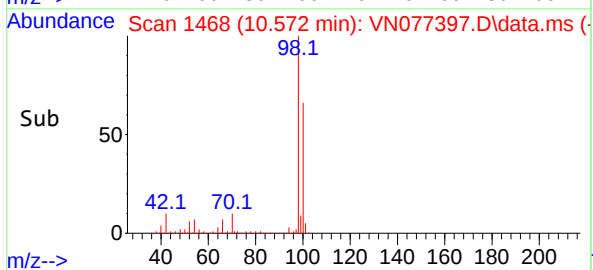
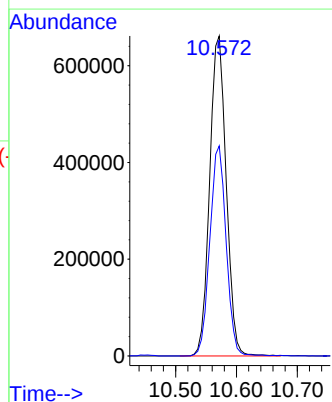
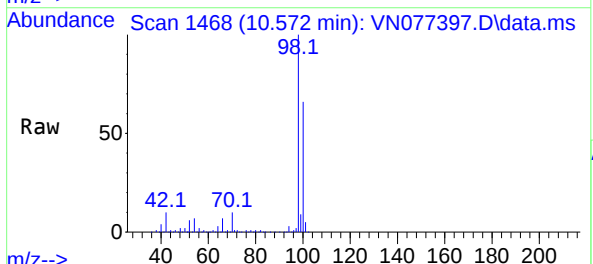
Instrument :
MSVOA_N
ClientSampleId :
SPB-1WC-23-04-17

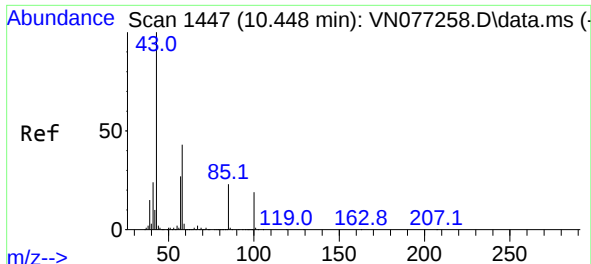
Tgt Ion: 88 Resp: 208
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 3980.3 49.8 74.6#



#50
Toluene-d8
Concen: 48.165 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

Tgt Ion: 98 Resp: 1248163
Ion Ratio Lower Upper
98 100
100 64.7 51.3 76.9

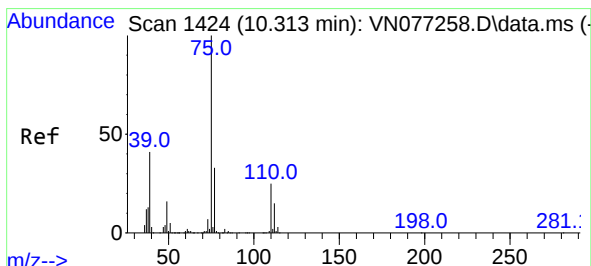
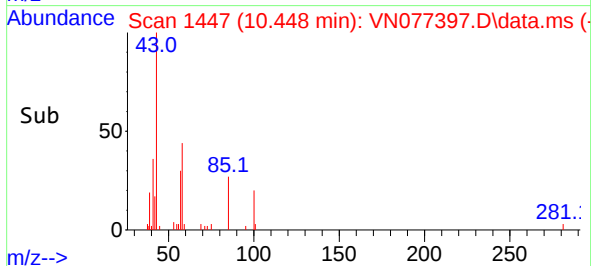
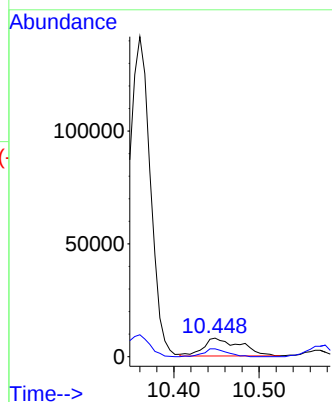
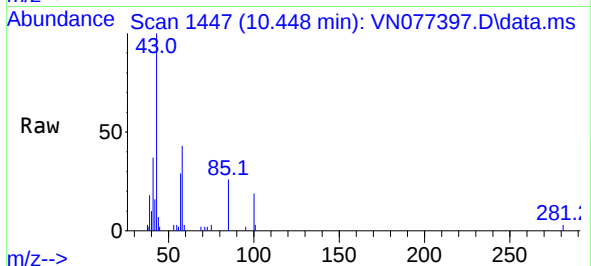




#51
4-Methyl-2-Pentanone
Concen: 2.640 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

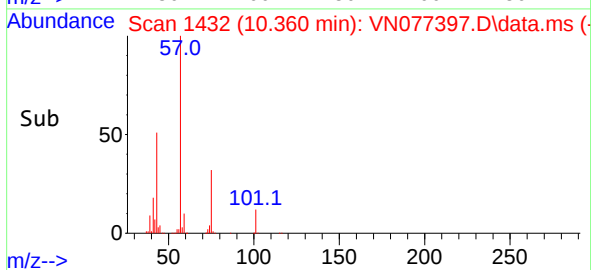
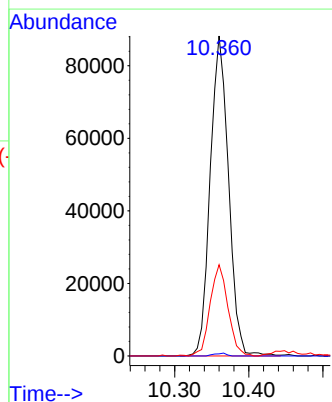
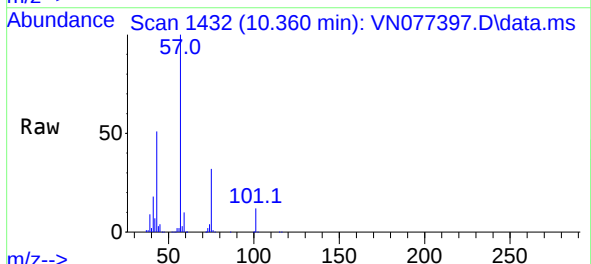
Instrument :
MSVOA_N
ClientSampleId :
SPB-1WC-23-04-17

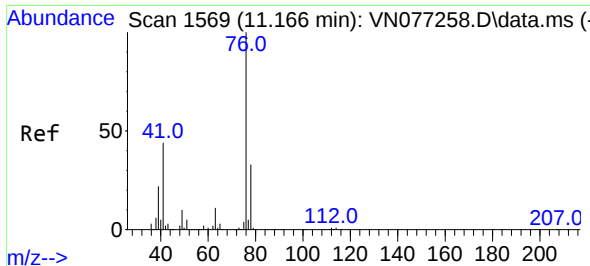
Tgt Ion: 43 Resp: 23985
Ion Ratio Lower Upper
43 100
58 28.2 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 12.339 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

Tgt Ion: 75 Resp: 151580
Ion Ratio Lower Upper
75 100
77 0.7 26.7 40.1#
39 28.2 32.8 49.2#

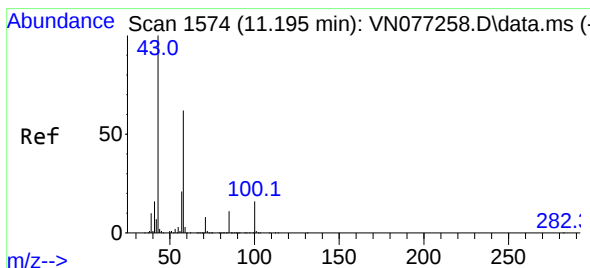
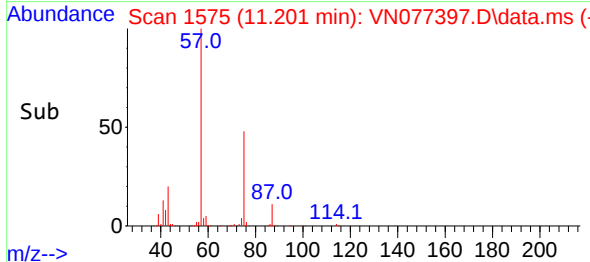
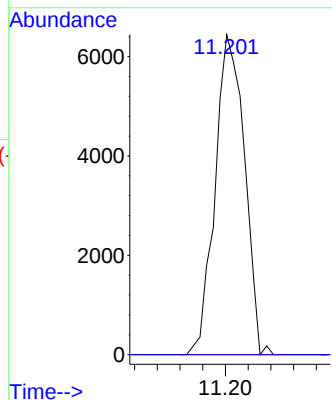
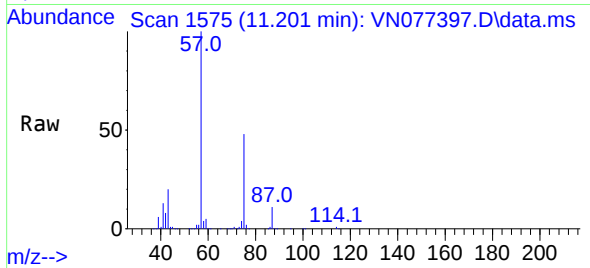




#57
1,3-Dichloropropane
Concen: 0.918 ug/l
RT: 11.201 min Scan# 11570
Delta R.T. 0.035 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

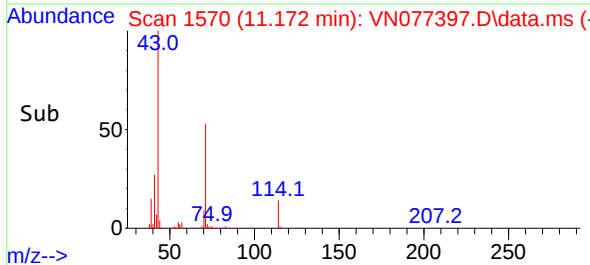
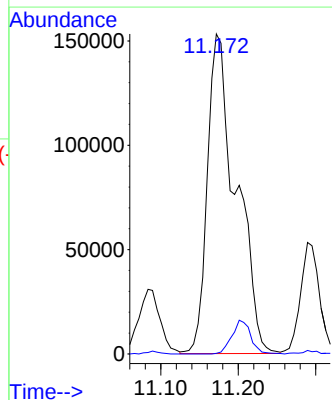
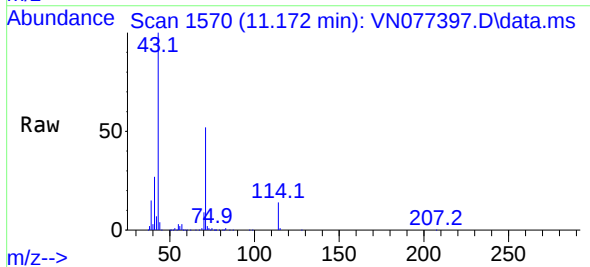
Instrument :
MSVOA_N
ClientSampleId :
SPB-1WC-23-04-17

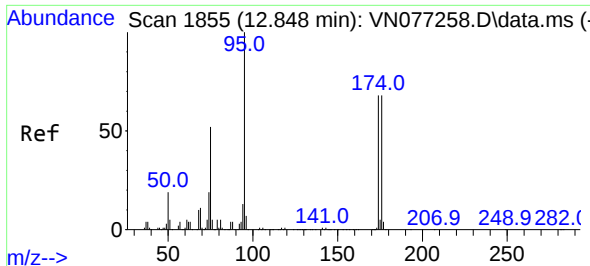
Tgt Ion: 76 Resp: 11570
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 58.311 ug/l
RT: 11.172 min Scan# 1570
Delta R.T. -0.023 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

Tgt Ion: 43 Resp: 394688
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#

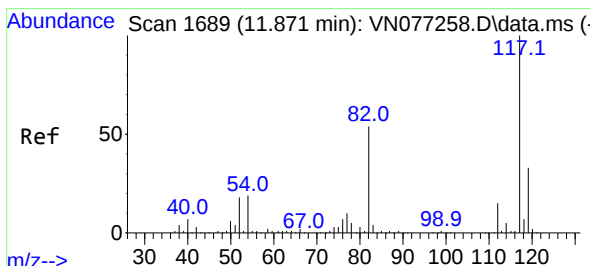
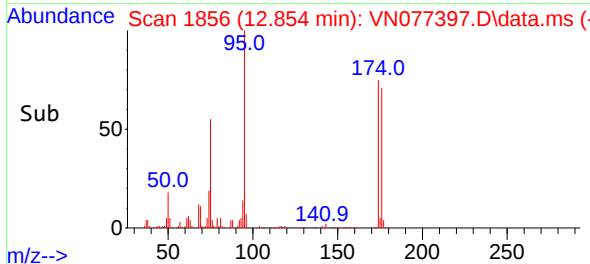
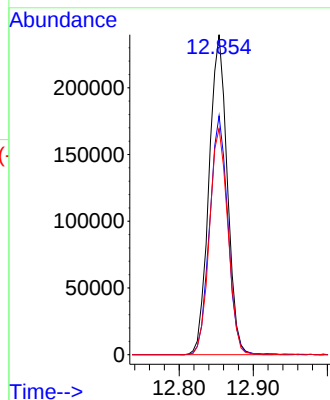
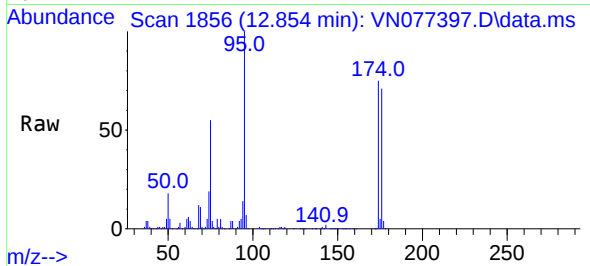




#62
4-Bromofluorobenzene
Concen: 47.467 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

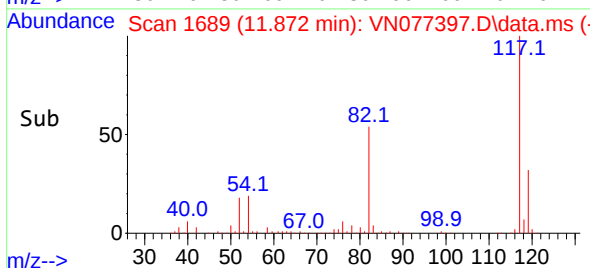
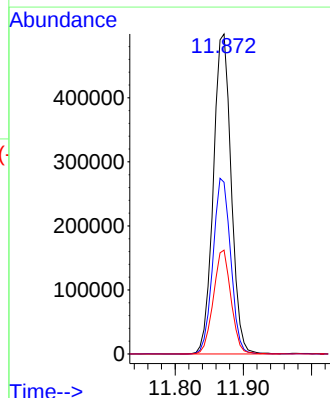
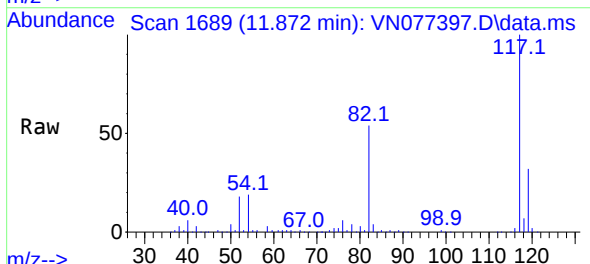
Instrument :
MSVOA_N
ClientSampleId :
SPB-1WC-23-04-17

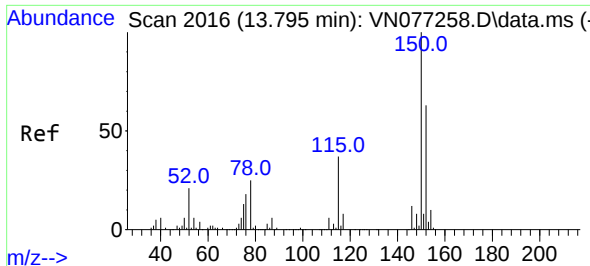
Tgt Ion: 95 Resp: 409111
Ion Ratio Lower Upper
95 100
174 74.2 0.0 146.8
176 71.2 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.001 min
Lab File: VN077397.D
Acq: 20 Apr 2023 13:57

Tgt Ion: 117 Resp: 910804
Ion Ratio Lower Upper
117 100
82 53.6 42.9 64.3
119 32.4 26.2 39.4

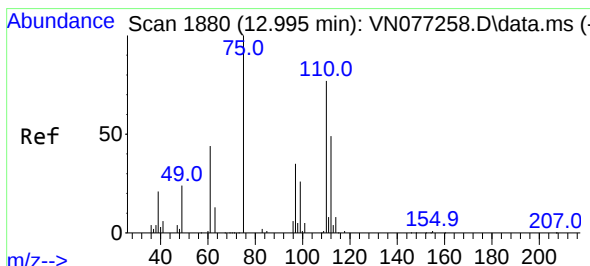
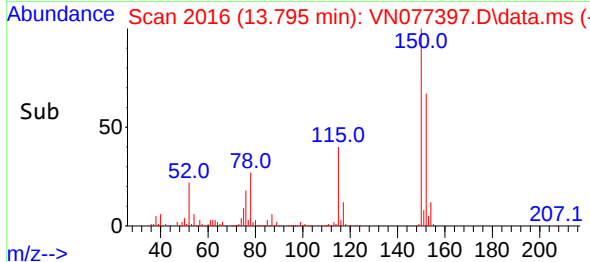
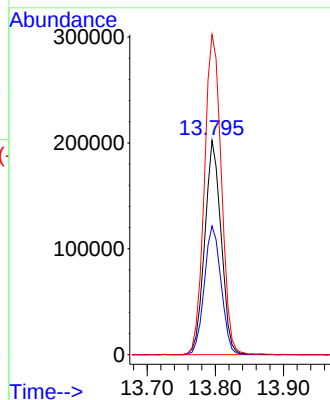
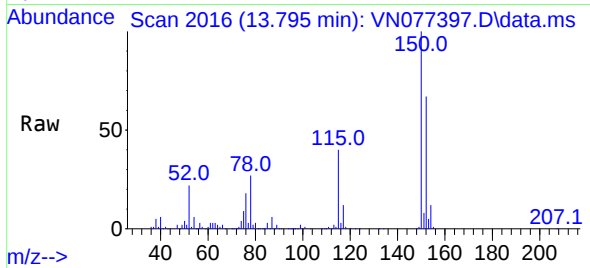




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VN077397.D
 Acq: 20 Apr 2023 13:57

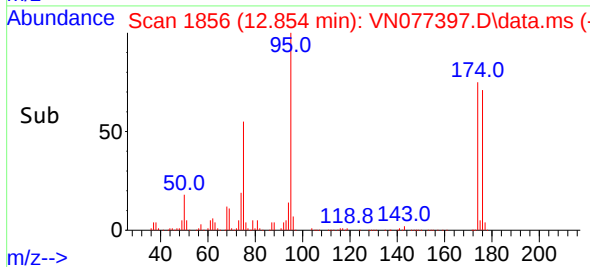
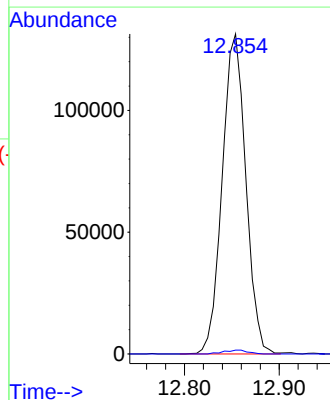
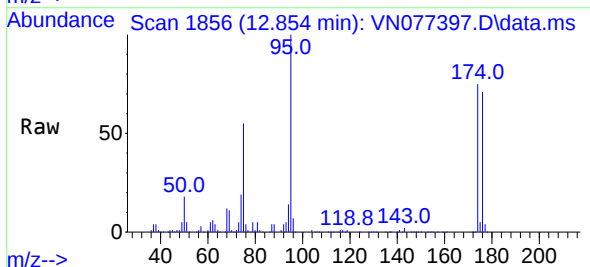
Instrument :
 MSVOA_N
 ClientSampleId :
 SPB-1WC-23-04-17

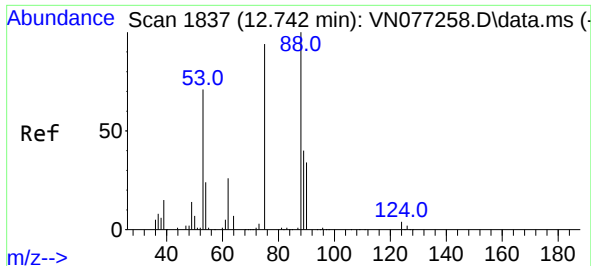
Tgt Ion:152 Resp: 338651
 Ion Ratio Lower Upper
 152 100
 115 61.6 32.1 96.3
 150 154.9 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 28.201 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. -0.141 min
 Lab File: VN077397.D
 Acq: 20 Apr 2023 13:57

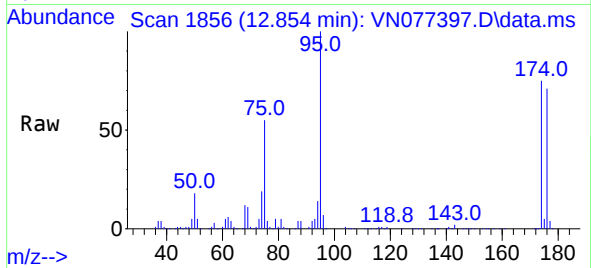
Tgt Ion: 75 Resp: 227422
 Ion Ratio Lower Upper
 75 100
 77 1.2 88.3 264.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.463 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077397.D
 Acq: 20 Apr 2023 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 SPB-1WC-23-04-17



Tgt Ion: 75 Resp: 227422

Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.8	109.2#
89	0.0	37.4	56.2#

