

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077402.D
 Acq On : 20 Apr 2023 15:58
 Operator : JC\MD
 Sample : 02389-25
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPB-7WC-23-04-17

Quant Time: Apr 21 02:40:26 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

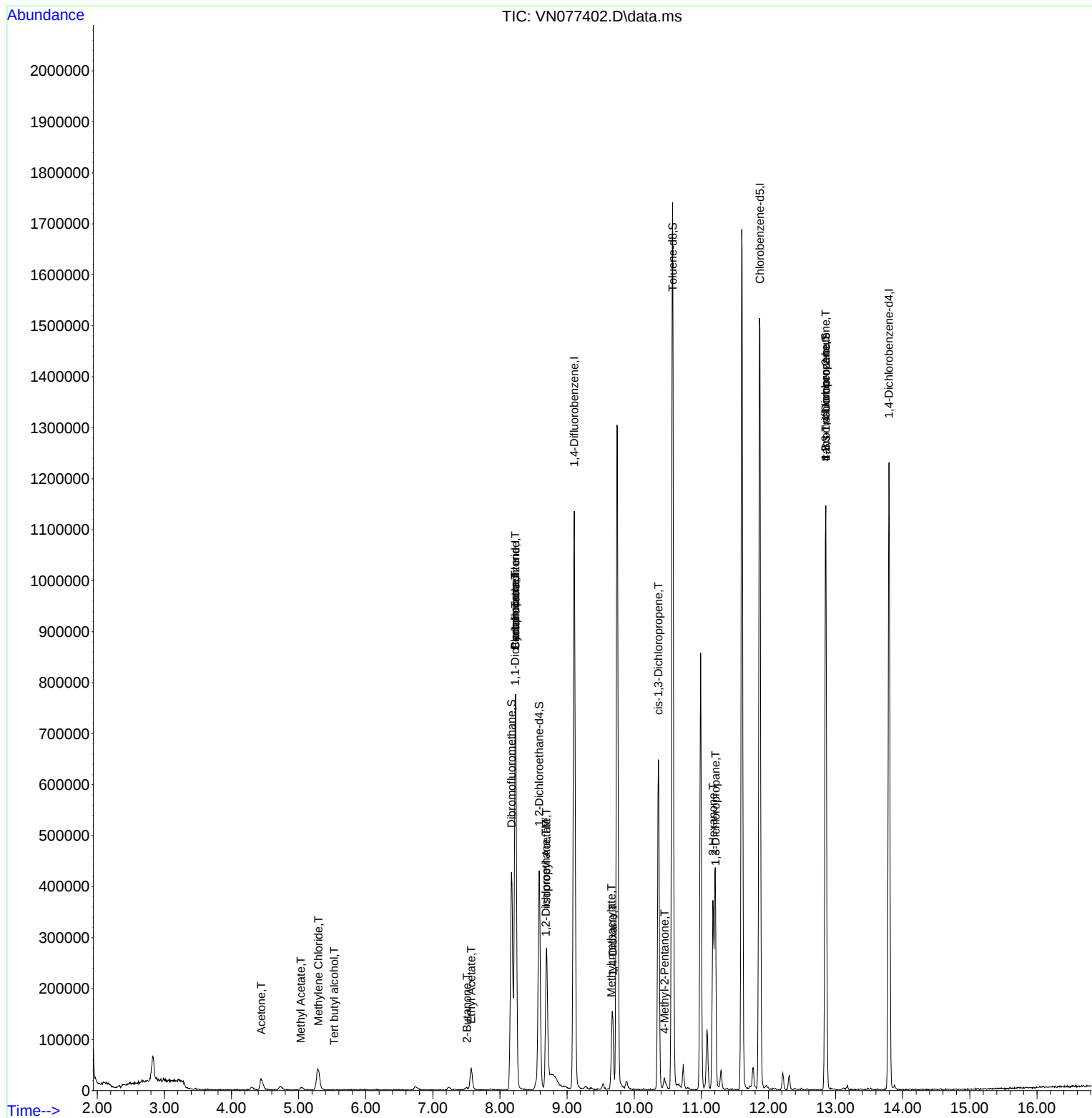
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	547204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1032735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	929803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	329360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	336748	45.027	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.060%
35) Dibromofluoromethane	8.172	113	311886	47.175	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.340%
50) Toluene-d8	10.571	98	1254665	47.142	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.280%
62) 4-Bromofluorobenzene	12.854	95	401897	45.403	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.800%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.531	59	371	0.243	ug/l #	72
16) Acetone	4.442	43	42666	15.473	ug/l	92
18) Methyl Acetate	5.031	43	5414	0.516	ug/l #	51
20) Methylene Chloride	5.295	84	38209	4.906	ug/l	88
25) 2-Butanone	7.507	43	4239	0.947	ug/l #	73
31) Cyclohexane	8.230	56	12891	1.109	ug/l #	1
36) 1,1-Dichloropropene	8.225	75	46711	4.777	ug/l #	50
37) Ethyl Acetate	7.572	43	61753	7.059	ug/l	97
38) Carbon Tetrachloride	8.230	117	60873	6.076	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	3334	0.355	ug/l #	73
43) Isopropyl Acetate	8.689	43	318040	19.701	ug/l #	88
48) Methyl methacrylate	9.660	41	8630	1.253	ug/l #	5
49) 1,4-Dioxane	9.683	88	59	0.353	ug/l #	28
51) 4-Methyl-2-Pentanone	10.454	43	21846	2.341	ug/l #	77
54) cis-1,3-Dichloropropene	10.360	75	139059	11.022	ug/l #	61
57) 1,3-Dichloropropane	11.213	76	5111	0.395	ug/l #	42
59) 2-Hexanone	11.171	43	304595	43.816	ug/l #	20
76) 1,2,3-Trichloropropane	12.854	75	221045	28.184	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	221045	63.423	ug/l #	13

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

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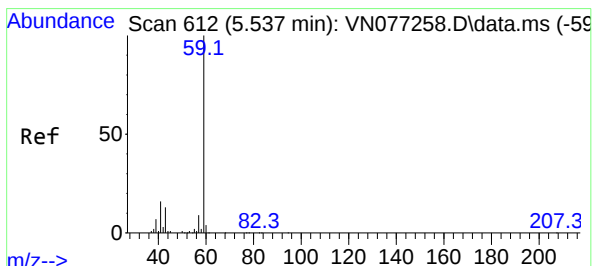
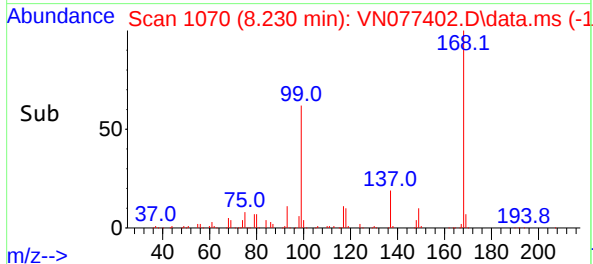
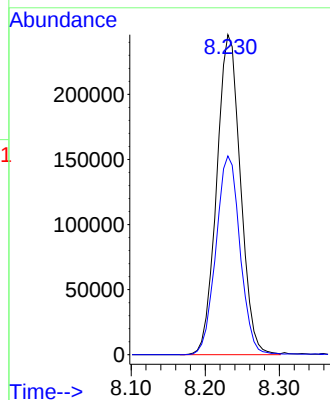
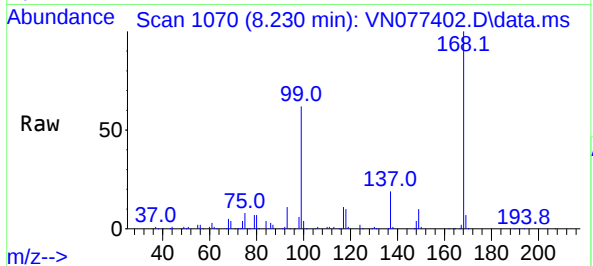




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

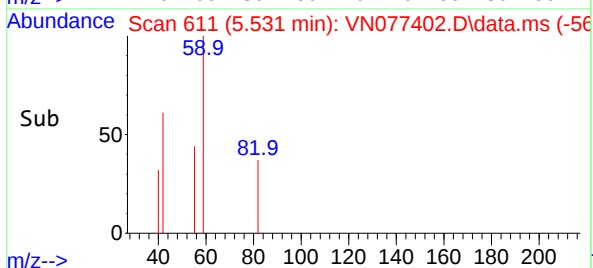
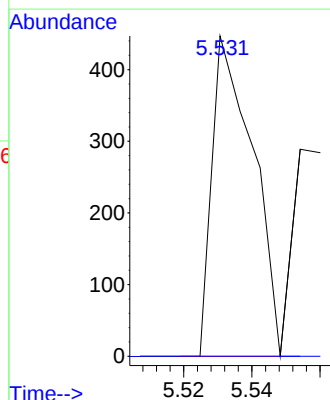
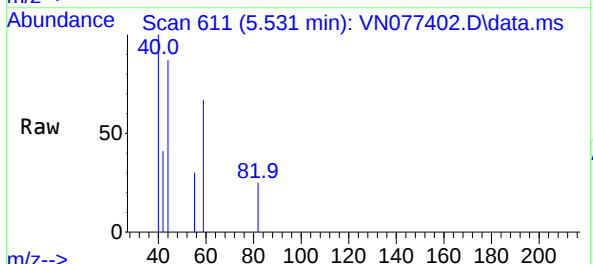
Instrument :
MSVOA_N
ClientSampleId :
SPB-7WC-23-04-17

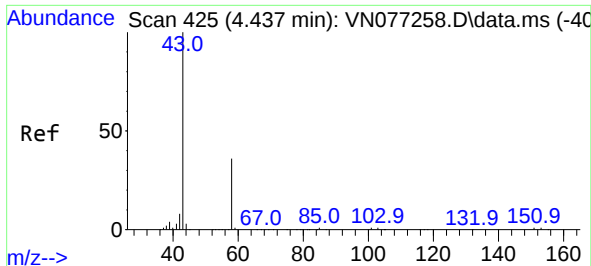
Tgt Ion:168 Resp: 547204
Ion Ratio Lower Upper
168 100
99 62.1 50.6 75.8



#11
Tert butyl alcohol
Concen: 0.243 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Tgt Ion: 59 Resp: 371
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

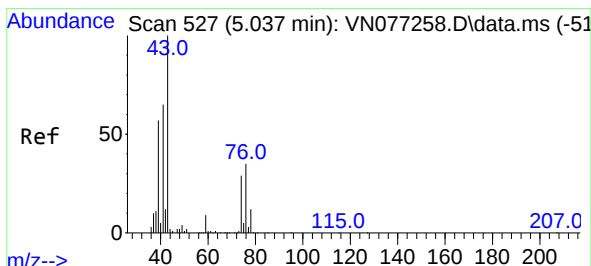
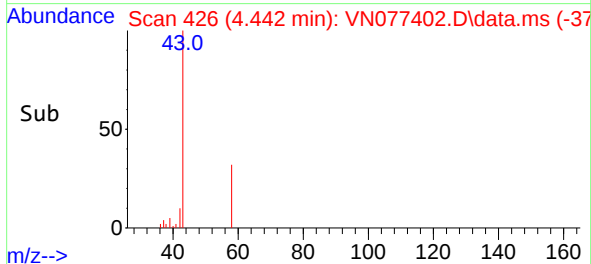
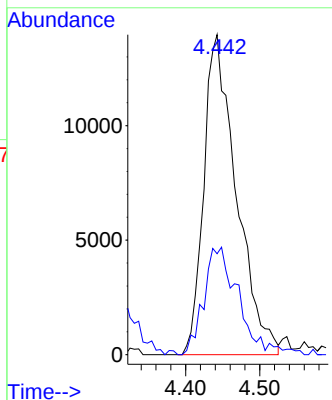
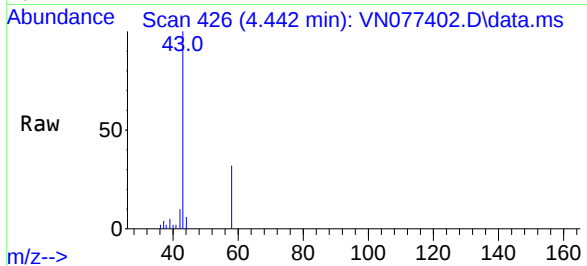




#16
Acetone
Concen: 15.473 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

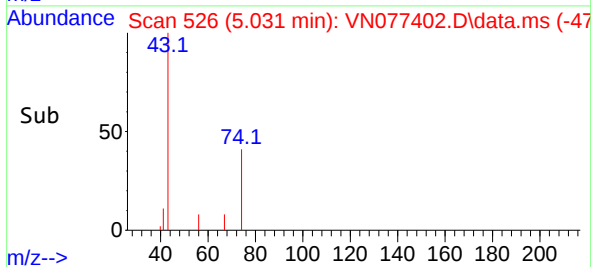
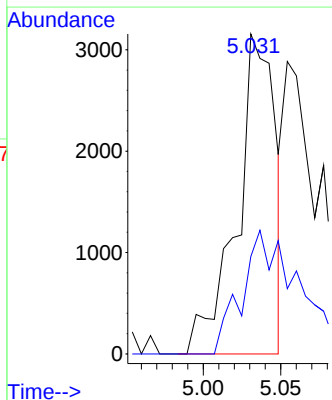
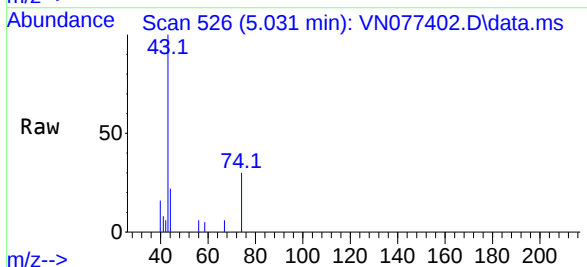
Instrument :
MSVOA_N
ClientSampleId :
SPB-7WC-23-04-17

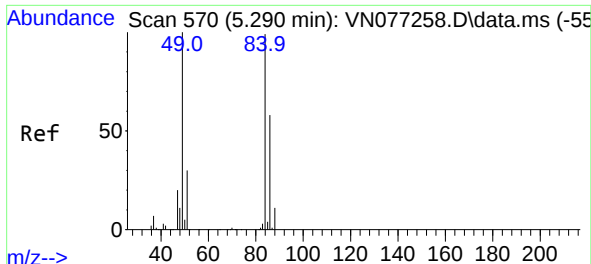
Tgt Ion: 43 Resp: 42666
Ion Ratio Lower Upper
43 100
58 31.6 29.0 43.6



#18
Methyl Acetate
Concen: 0.516 ug/l
RT: 5.031 min Scan# 526
Delta R.T. -0.006 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

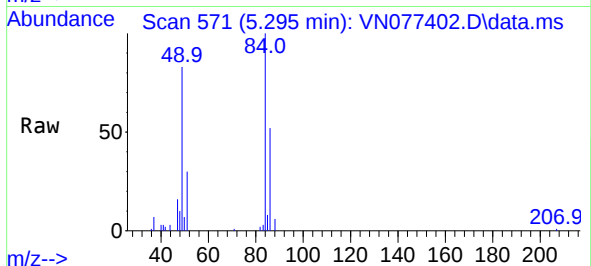
Tgt Ion: 43 Resp: 5414
Ion Ratio Lower Upper
43 100
74 55.8 23.4 35.2#





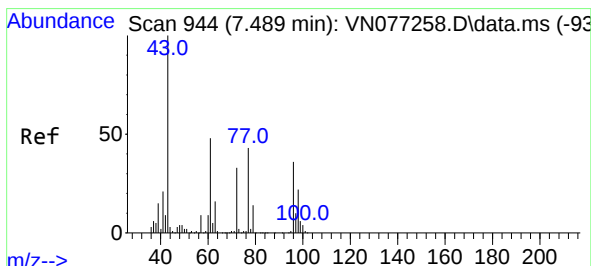
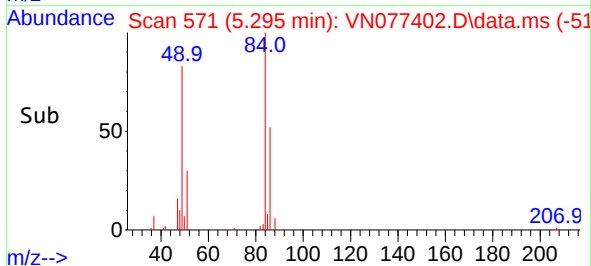
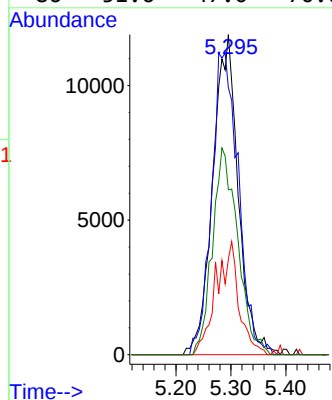
#20
Methylene Chloride
Concen: 4.906 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Instrument :
MSVOA_N
ClientSampleId :
SPB-7WC-23-04-17



Tgt Ion: 84 Resp: 38209

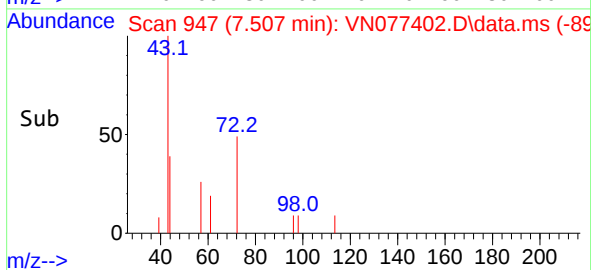
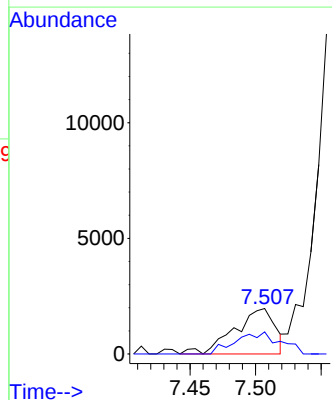
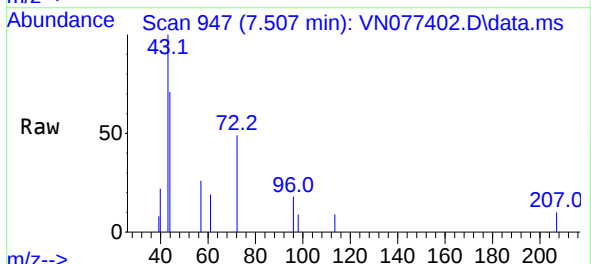
Ion	Ratio	Lower	Upper
84	100		
49	83.5	80.6	121.0
51	29.8	24.4	36.6
86	51.6	47.0	70.6

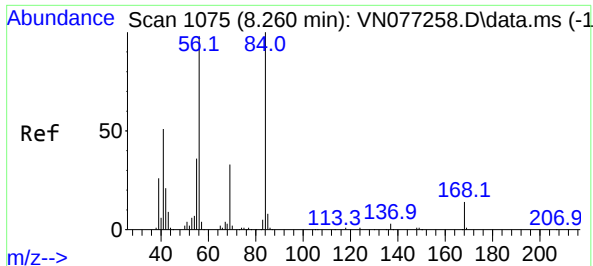


#25
2-Butanone
Concen: 0.947 ug/l
RT: 7.507 min Scan# 947
Delta R.T. 0.018 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Tgt Ion: 43 Resp: 4239

Ion	Ratio	Lower	Upper
43	100		
72	48.7	26.6	39.8

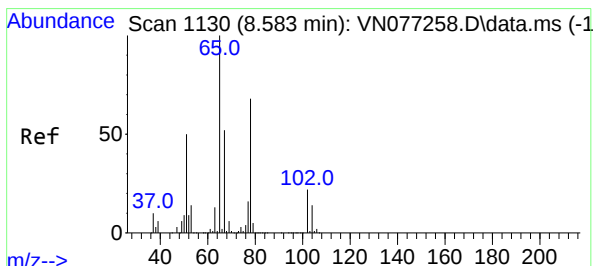
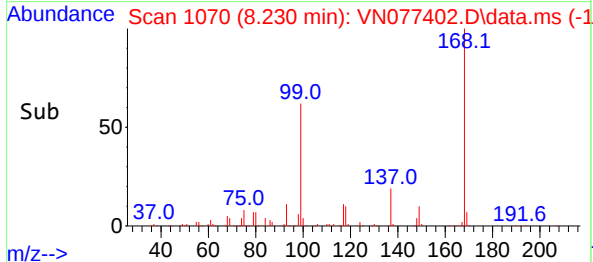
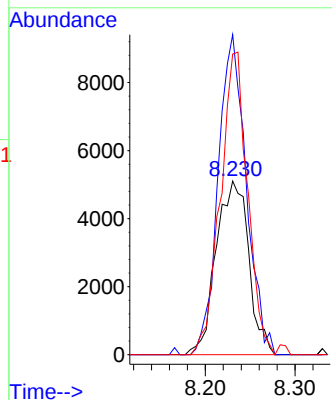
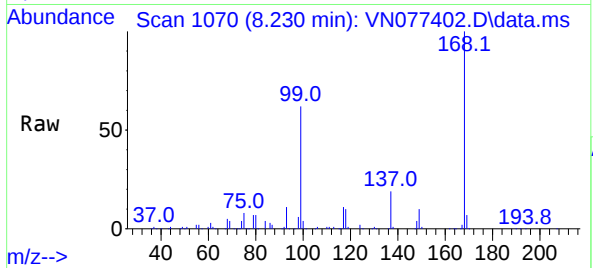




#31
Cyclohexane
Concen: 1.109 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.030 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

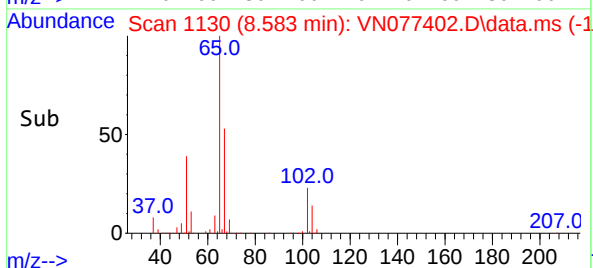
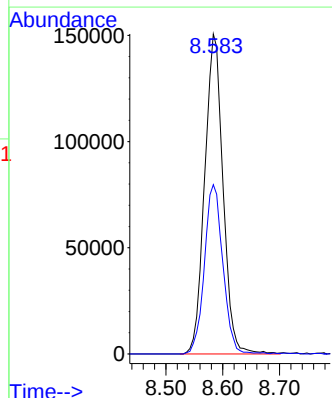
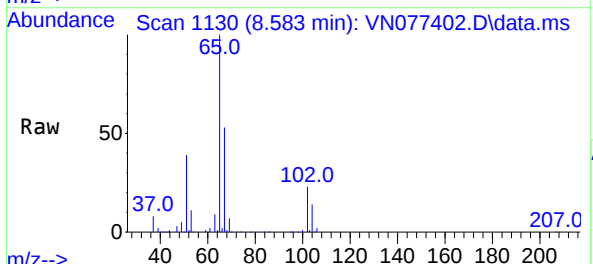
Instrument :
MSVOA_N
ClientSampleId :
SPB-7WC-23-04-17

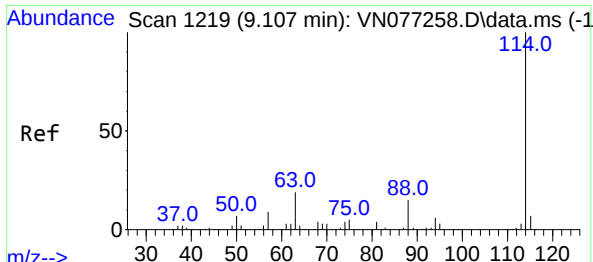
Tgt Ion: 56 Resp: 12891
Ion Ratio Lower Upper
56 100
69 184.4 26.6 40.0#
84 173.2 81.8 122.8#



#33
1,2-Dichloroethane-d4
Concen: 45.027 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Tgt Ion: 65 Resp: 336748
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.8

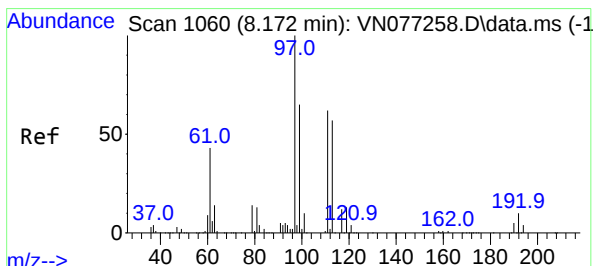
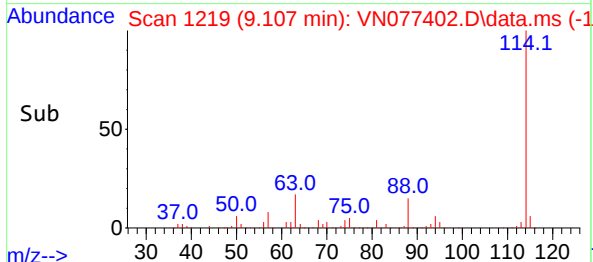
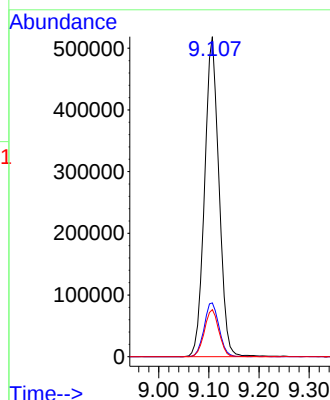
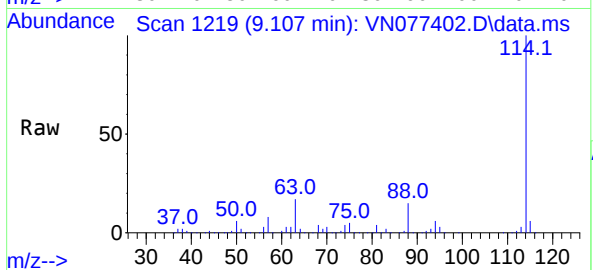




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

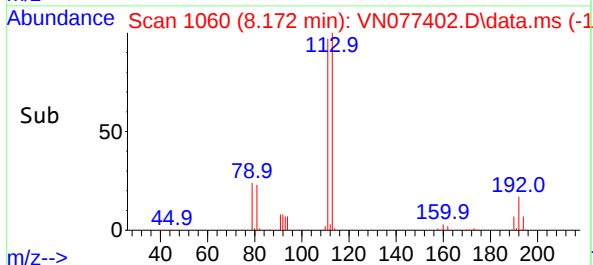
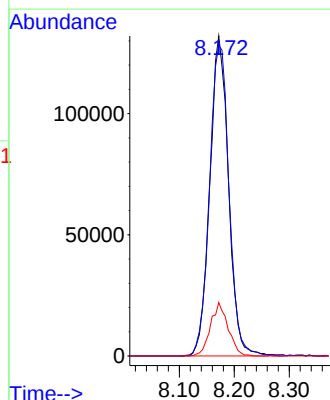
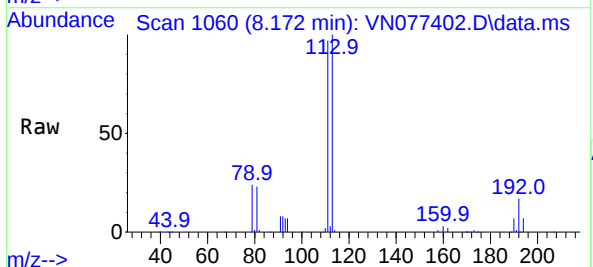
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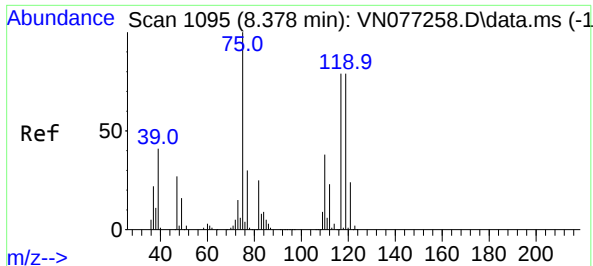
Tgt Ion:114 Resp: 1032735
Ion Ratio Lower Upper
114 100
63 16.8 0.0 37.8
88 14.7 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.175 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Tgt Ion:113 Resp: 311886
Ion Ratio Lower Upper
113 100
111 101.6 83.4 125.0
192 15.7 13.5 20.3

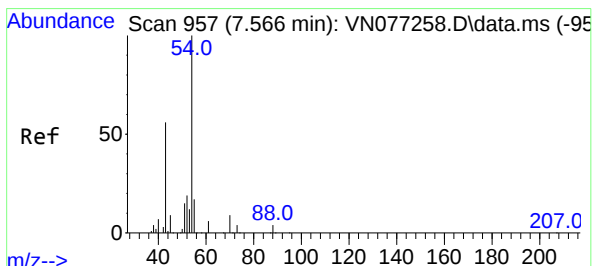
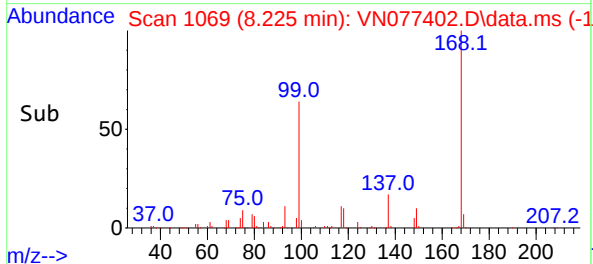
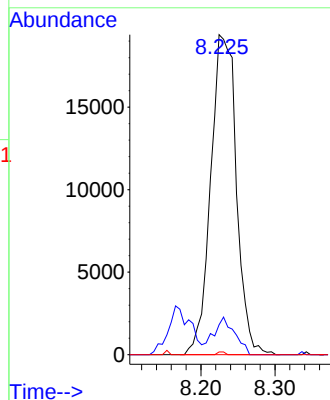
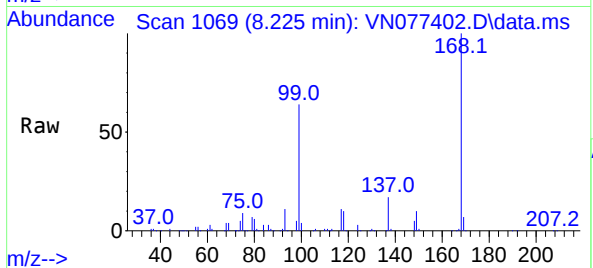




#36
1,1-Dichloropropene
Concen: 4.777 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.153 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

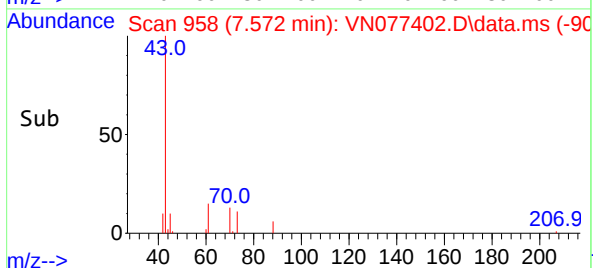
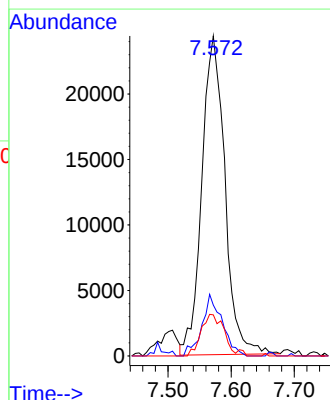
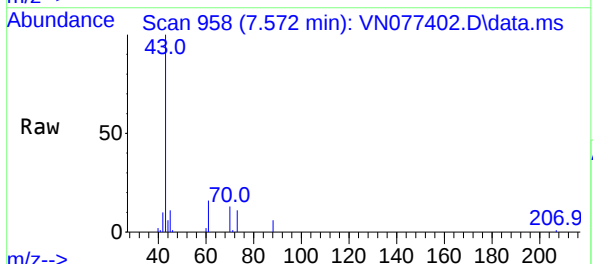
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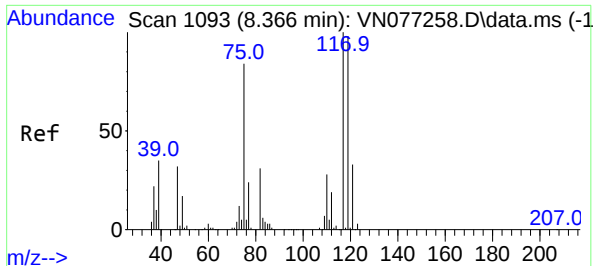
Tgt Ion: 75 Resp: 46711
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.2 25.0 37.4#



#37
Ethyl Acetate
Concen: 7.059 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Tgt Ion: 43 Resp: 61753
Ion Ratio Lower Upper
43 100
61 17.0 12.2 18.2
70 12.7 10.0 15.0

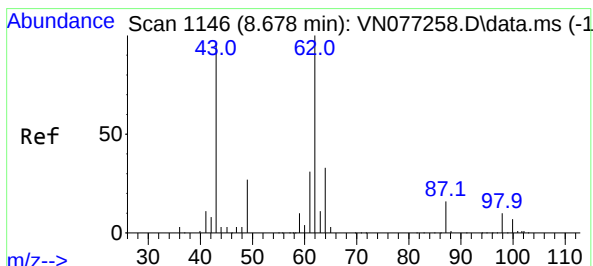
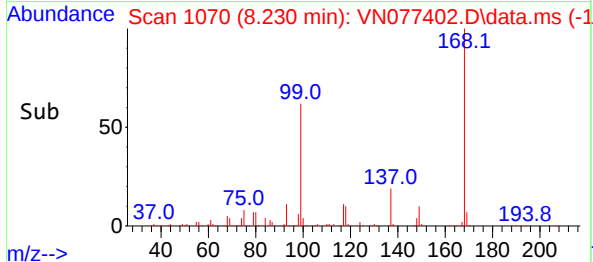
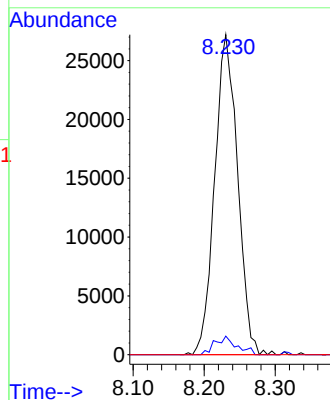
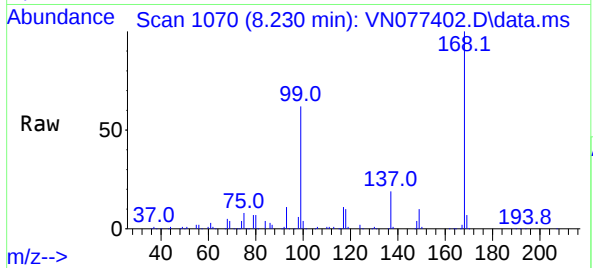




#38
Carbon Tetrachloride
Concen: 6.076 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.136 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

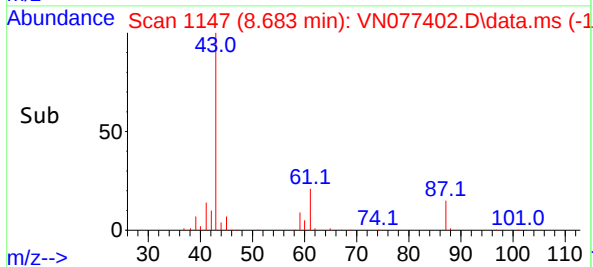
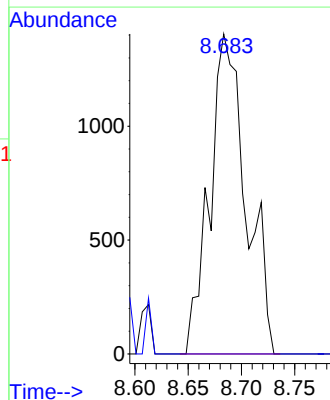
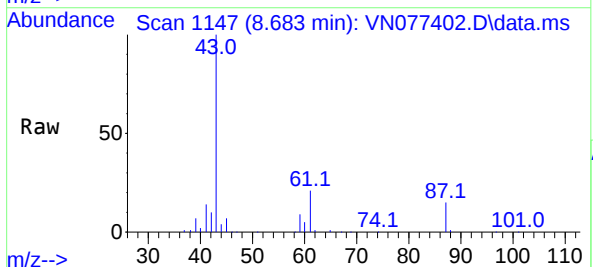
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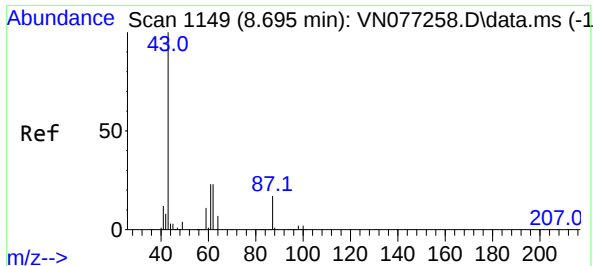
Tgt Ion:117 Resp: 60873
Ion Ratio Lower Upper
117 100
119 5.8 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.355 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Tgt Ion: 62 Resp: 3334
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

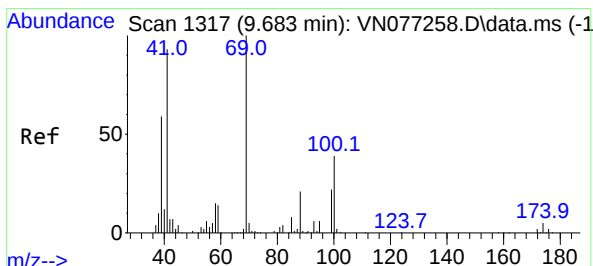
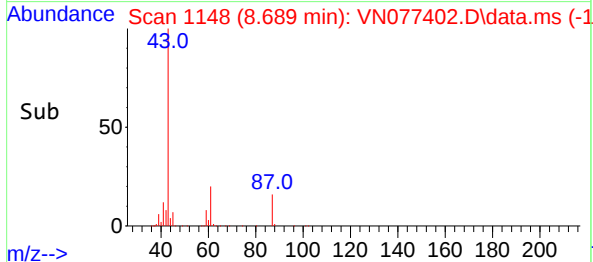
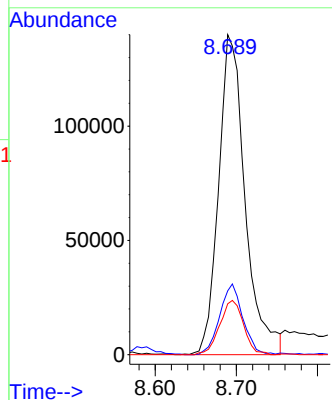
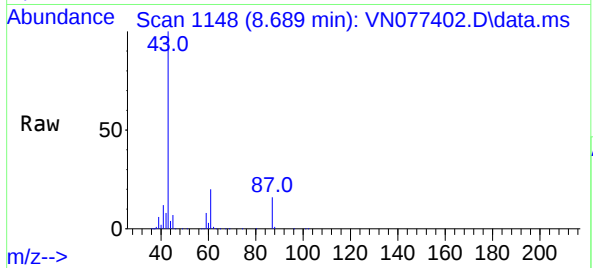




#43
Isopropyl Acetate
Concen: 19.701 ug/l
RT: 8.689 min Scan# 1149
Delta R.T. -0.006 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

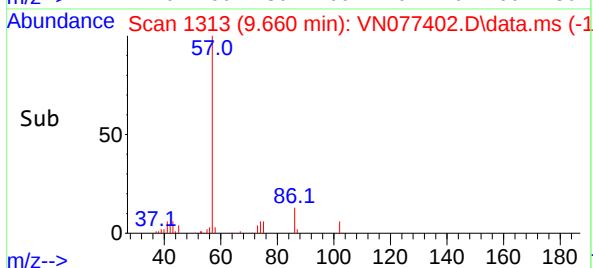
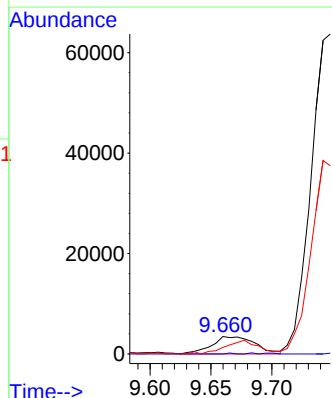
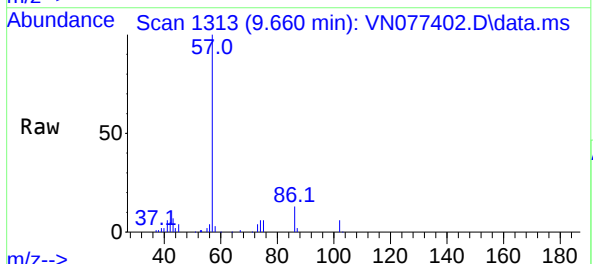
Instrument :
MSVOA_N
ClientSampleId :
SPB-7WC-23-04-17

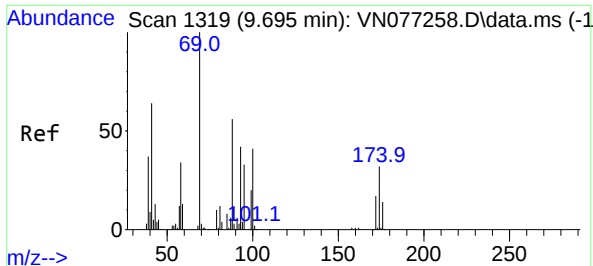
Tgt Ion: 43 Resp: 318040
Ion Ratio Lower Upper
43 100
61 19.3 22.7 34.1#
87 15.2 13.6 20.4



#48
Methyl methacrylate
Concen: 1.253 ug/l
RT: 9.660 min Scan# 1313
Delta R.T. -0.023 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Tgt Ion: 41 Resp: 8630
Ion Ratio Lower Upper
41 100
69 0.8 85.0 127.6#
39 0.0 53.5 80.3#

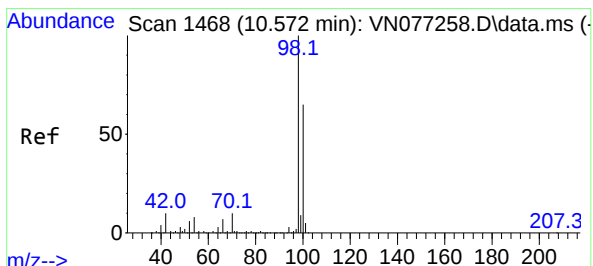
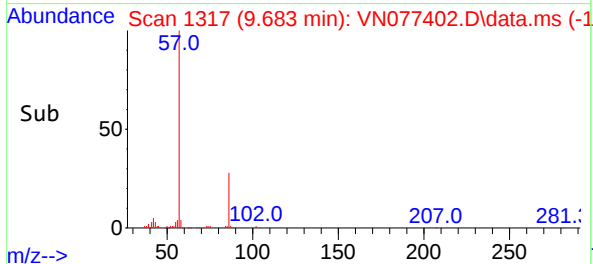
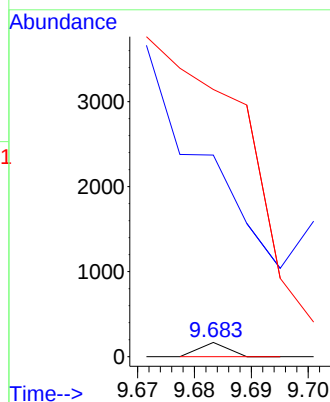
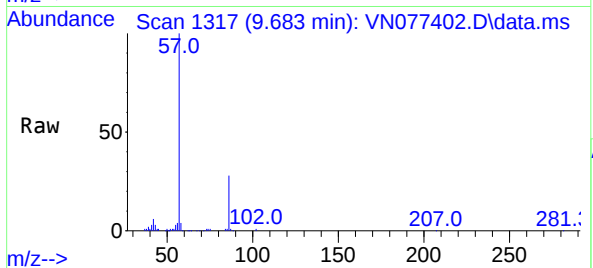




#49
1,4-Dioxane
Concen: 0.353 ug/l
RT: 9.683 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

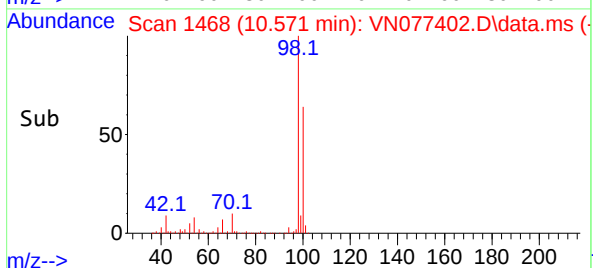
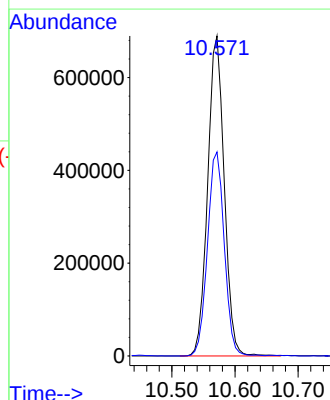
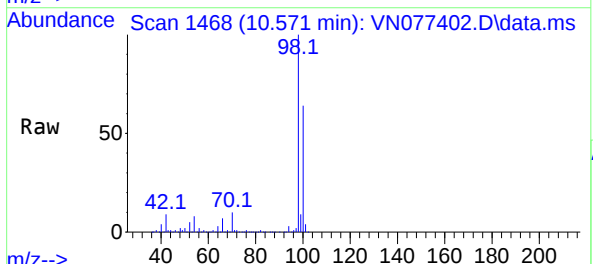
Instrument :
MSVOA_N
ClientSampleId :
SPB-7WC-23-04-17

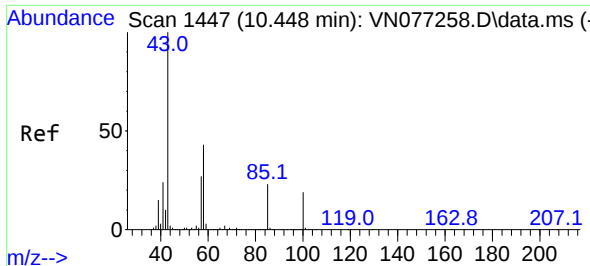
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 49.8 74.6#



#50
Toluene-d8
Concen: 47.142 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Tgt Ion: 98 Resp: 1254665
Ion Ratio Lower Upper
98 100
100 64.7 51.3 76.9

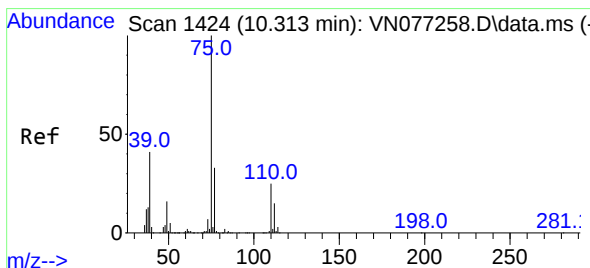
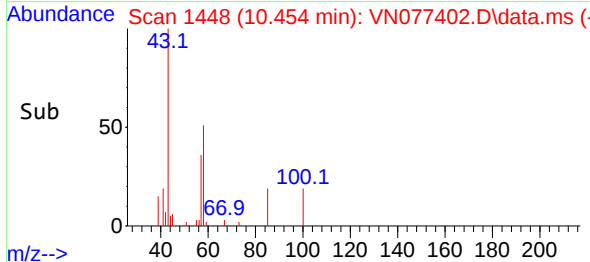
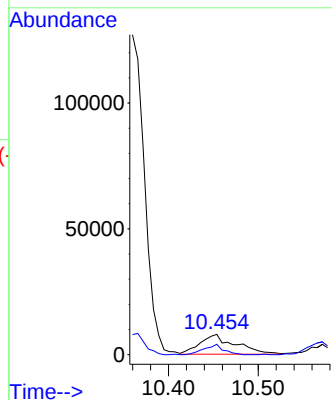
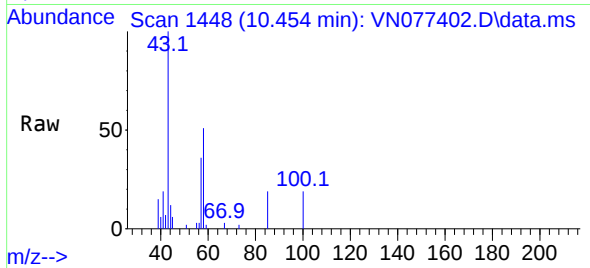




#51
4-Methyl-2-Pentanone
Concen: 2.341 ug/l
RT: 10.454 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

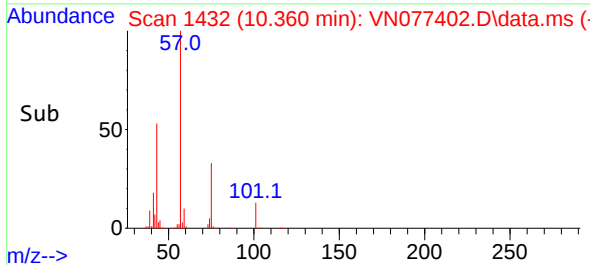
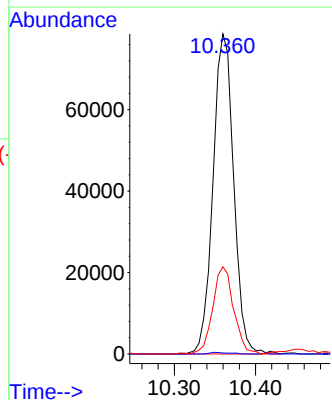
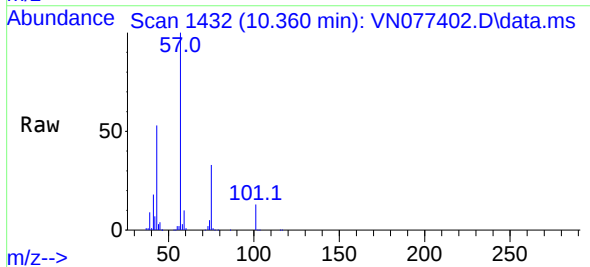
Instrument :
MSVOA_N
ClientSampleId :
SPB-7WC-23-04-17

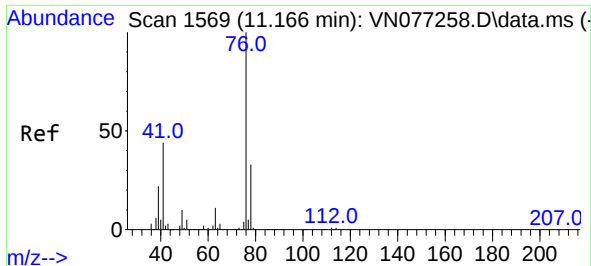
Tgt Ion: 43 Resp: 21846
Ion Ratio Lower Upper
43 100
58 28.3 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 11.022 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Tgt Ion: 75 Resp: 139059
Ion Ratio Lower Upper
75 100
77 0.3 26.7 40.1#
39 26.9 32.8 49.2#

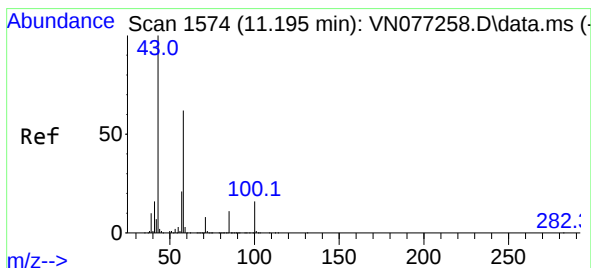
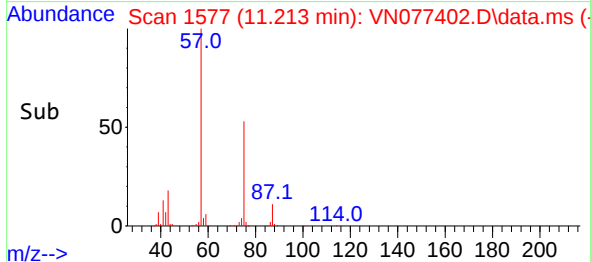
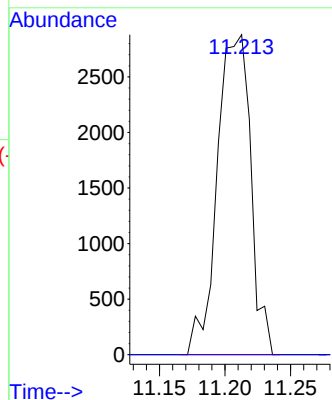
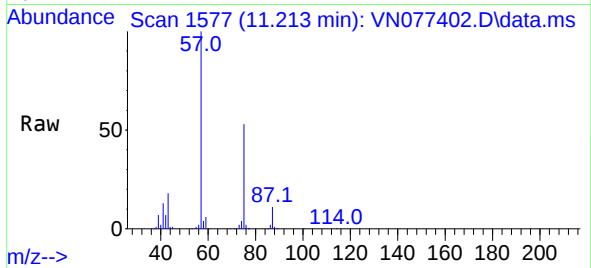




#57
1,3-Dichloropropane
Concen: 0.395 ug/l
RT: 11.213 min Scan# 1577
Delta R.T. 0.047 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

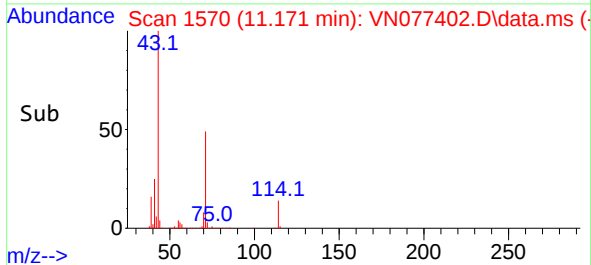
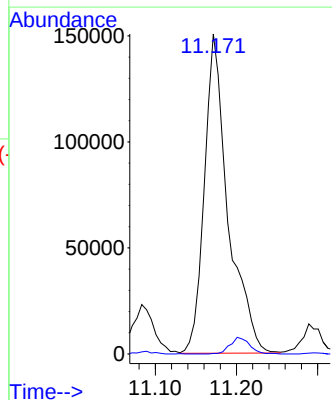
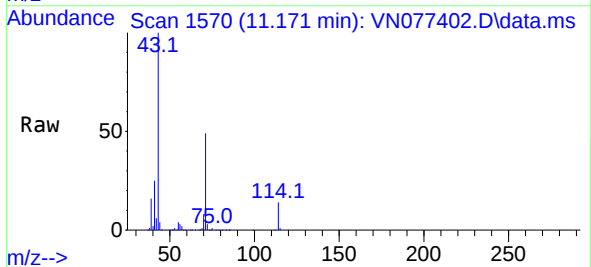
Instrument :
MSVOA_N
ClientSampleId :
SPB-7WC-23-04-17

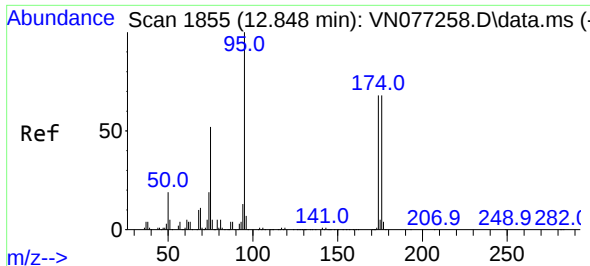
Tgt Ion: 76 Resp: 5111
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 43.816 ug/l
RT: 11.171 min Scan# 1570
Delta R.T. -0.024 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Tgt Ion: 43 Resp: 304595
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



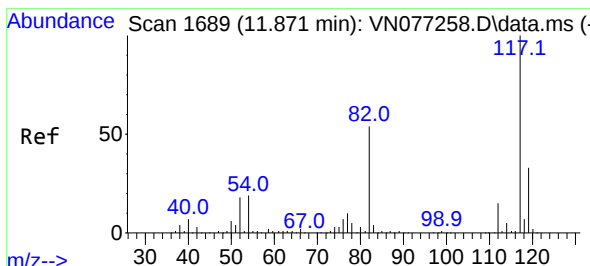
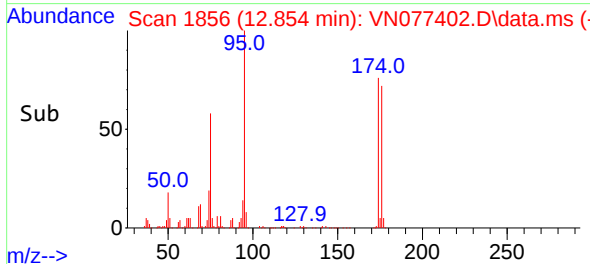
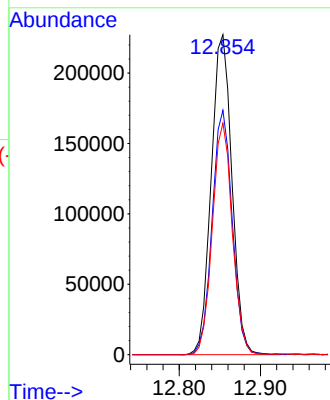
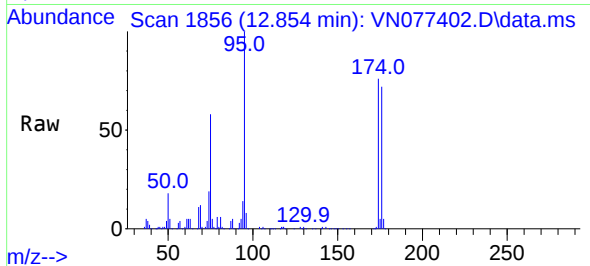


#62
4-Bromofluorobenzene
Concen: 45.403 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Instrument :
MSVOA_N
ClientSampleId :
SPB-7WC-23-04-17

Tgt Ion: 95 Resp: 401897

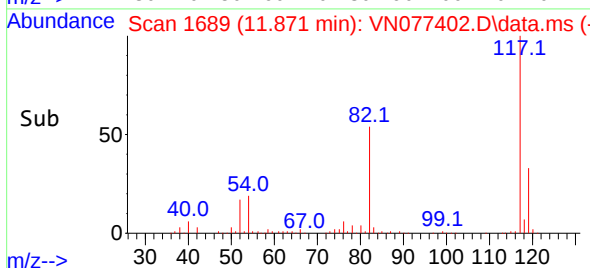
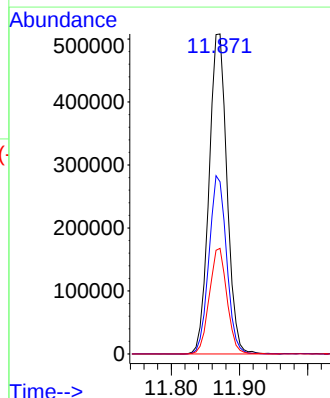
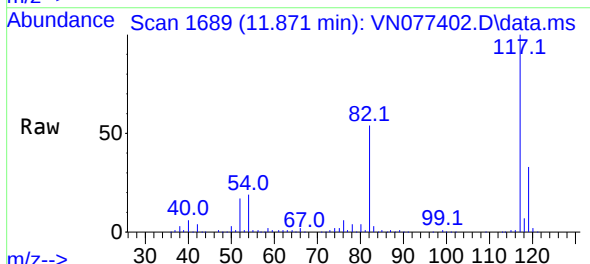
Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	146.8
176	69.8	0.0	139.6

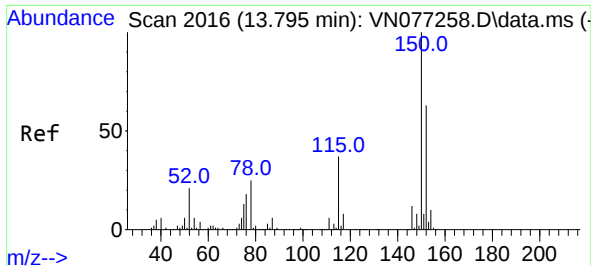


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Tgt Ion: 117 Resp: 929803

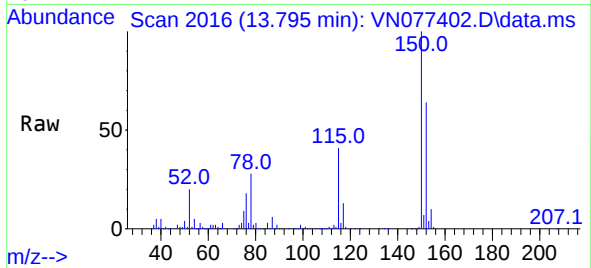
Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.9	64.3
119	33.0	26.2	39.4



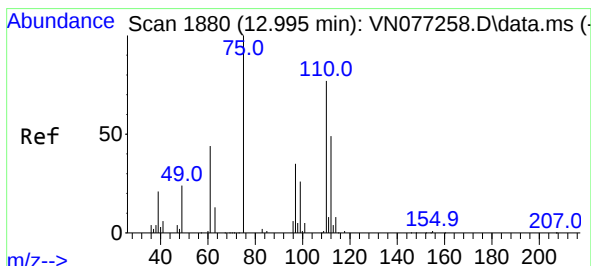
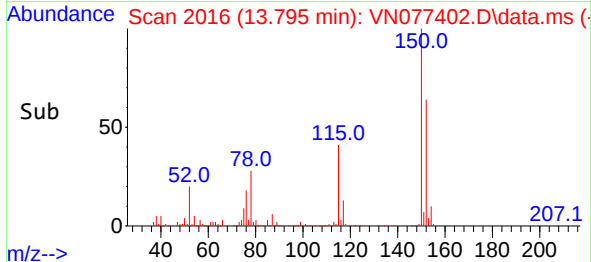
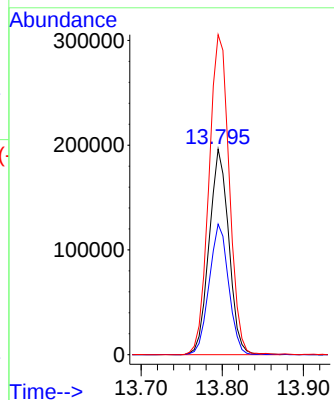


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

Instrument :
MSVOA_N
ClientSampleId :
SPB-7WC-23-04-17

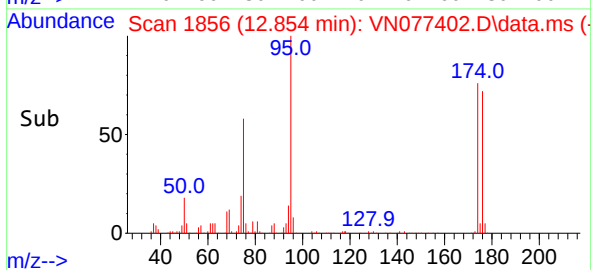
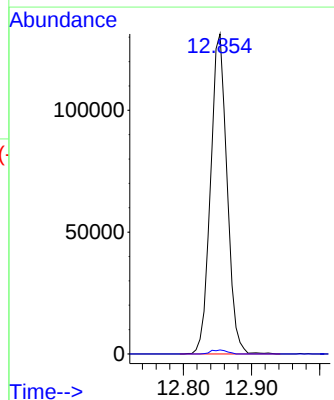
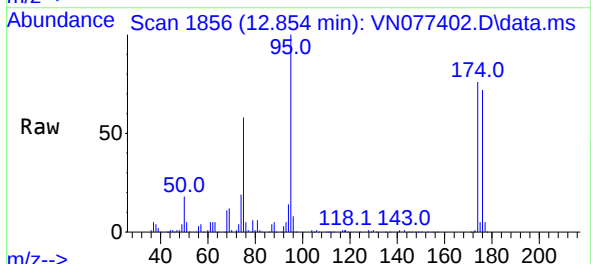


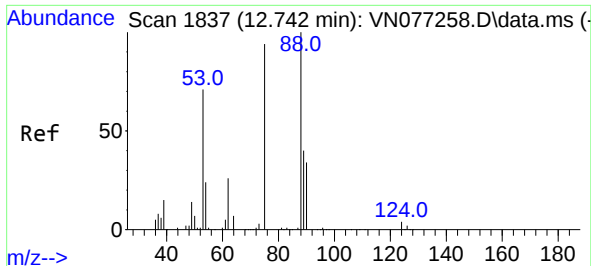
Tgt Ion:152 Resp: 329360
Ion Ratio Lower Upper
152 100
115 63.0 32.1 96.3
150 161.1 0.0 354.8



#76
1,2,3-Trichloropropane
Concen: 28.184 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077402.D
Acq: 20 Apr 2023 15:58

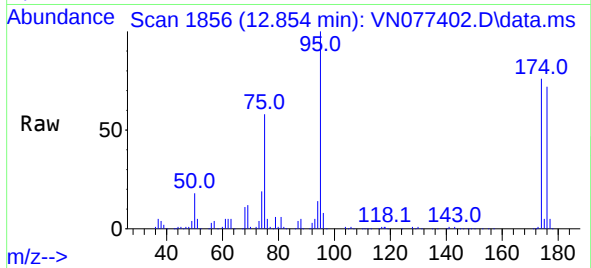
Tgt Ion: 75 Resp: 221045
Ion Ratio Lower Upper
75 100
77 1.2 88.3 264.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.423 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077402.D
 Acq: 20 Apr 2023 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 SPB-7WC-23-04-17



Tgt Ion: 75 Resp: 221045
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.8 109.2#
 89 0.2 37.4 56.2#

