

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077399.D
 Acq On : 20 Apr 2023 14:45
 Operator : JC\MD
 Sample : 02389-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPB-3WC-23-04-17

Quant Time: Apr 21 02:39:56 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

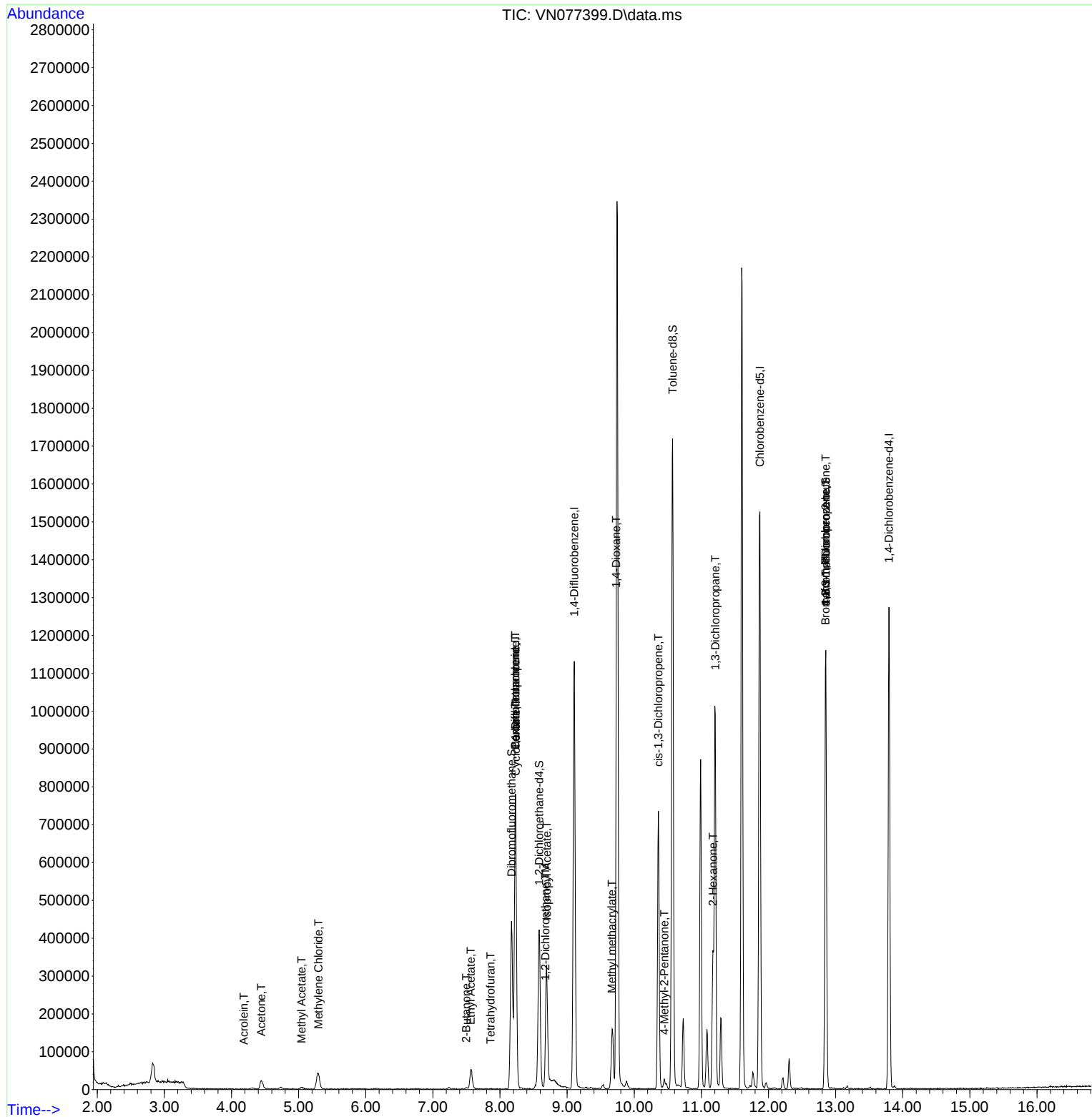
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	549184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1039479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	948614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	336269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	345933	46.088	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.180%		
35) Dibromofluoromethane	8.172	113	316652	47.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.180%		
50) Toluene-d8	10.572	98	1266151	47.265	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.520%		
62) 4-Bromofluorobenzene	12.854	95	417059	46.811	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.620%		
Target Compounds						
					Qvalue	
13) Acrolein	4.184	56	418	0.288	ug/l #	39
16) Acetone	4.443	43	41731	15.079	ug/l	94
18) Methyl Acetate	5.043	43	9298	0.882	ug/l	90
20) Methylene Chloride	5.296	84	37167	4.755	ug/l	93
25) 2-Butanone	7.495	43	5058	1.126	ug/l	99
29) Tetrahydrofuran	7.860	42	704	0.244	ug/l #	69
31) Cyclohexane	8.237	56	14360	1.231	ug/l #	55
36) 1,1-Dichloropropene	8.231	75	49233	5.002	ug/l #	49
37) Ethyl Acetate	7.566	43	75134	8.532	ug/l #	93
38) Carbon Tetrachloride	8.231	117	62534	6.202	ug/l #	15
42) 1,2-Dichloroethane	8.678	62	3306	0.350	ug/l #	73
43) Isopropyl Acetate	8.695	43	368124	22.656	ug/l #	92
48) Methyl methacrylate	9.666	41	7739	1.117	ug/l #	36
49) 1,4-Dioxane	9.731	88	166	0.988	ug/l #	28
51) 4-Methyl-2-Pentanone	10.448	43	25320	2.696	ug/l #	75
54) cis-1,3-Dichloropropene	10.360	75	147753	11.635	ug/l #	63
57) 1,3-Dichloropropane	11.207	76	11935	0.916	ug/l #	42
59) 2-Hexanone	11.172	43	282824	40.420	ug/l #	20
71) Bromoform	12.848	173	2384	0.429	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	224020	27.976	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	224020	62.956	ug/l #	13

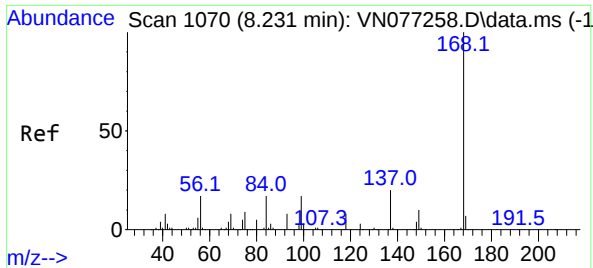
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
Data File : VN077399.D
Acq On : 20 Apr 2023 14:45
Operator : JC\MD
Sample : 02389-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17

Quant Time: Apr 21 02:39:56 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

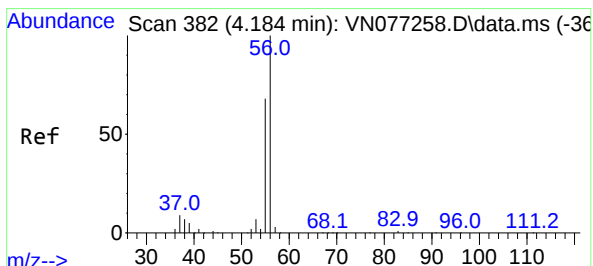
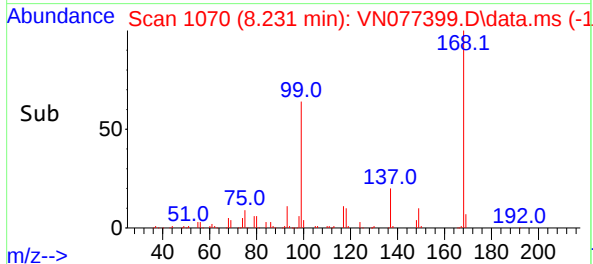
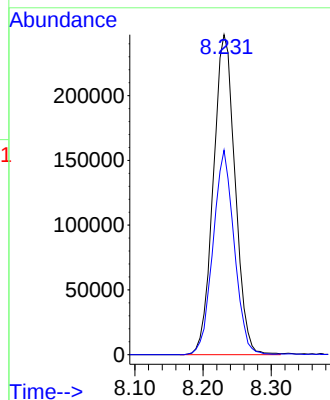
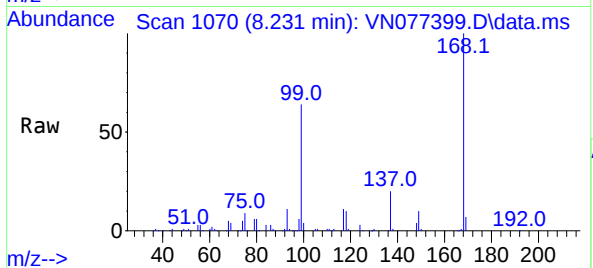




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

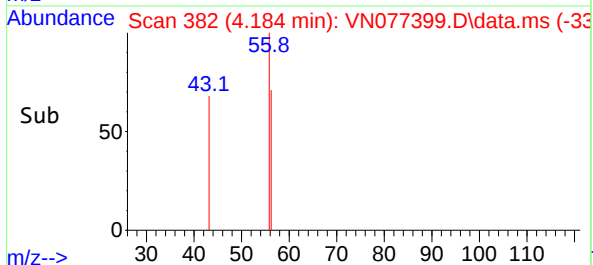
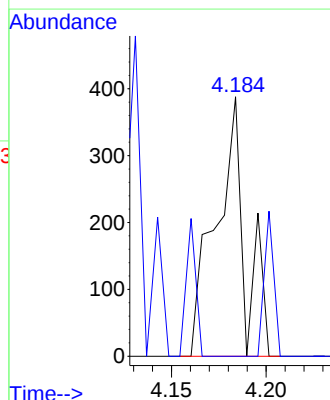
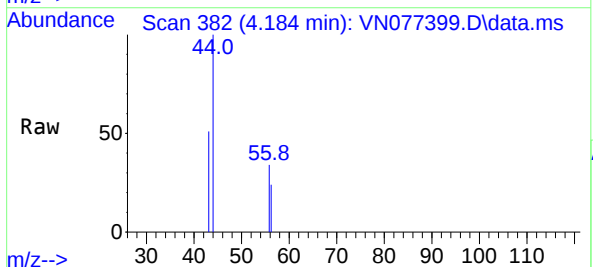
Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17

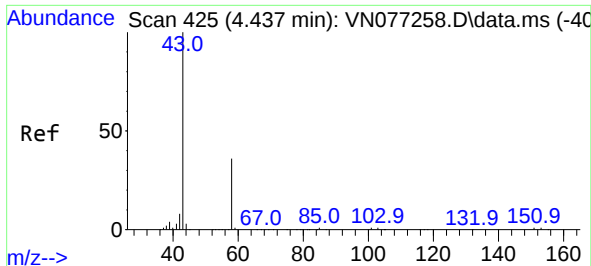
Tgt Ion:168 Resp: 549184
Ion Ratio Lower Upper
168 100
99 63.9 50.6 75.8



#13
Acrolein
Concen: 0.288 ug/l
RT: 4.184 min Scan# 382
Delta R.T. -0.000 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

Tgt Ion: 56 Resp: 418
Ion Ratio Lower Upper
56 100
55 18.4 54.2 81.2#

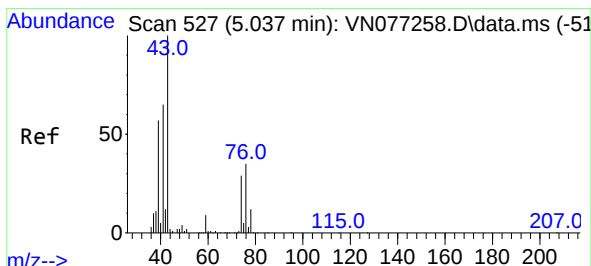
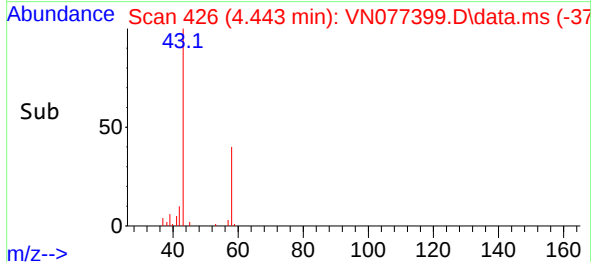
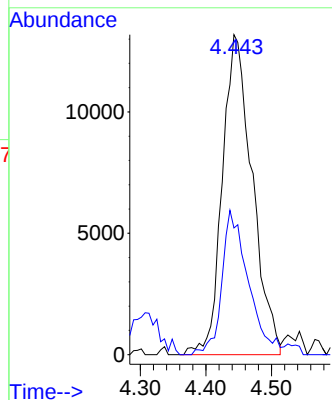
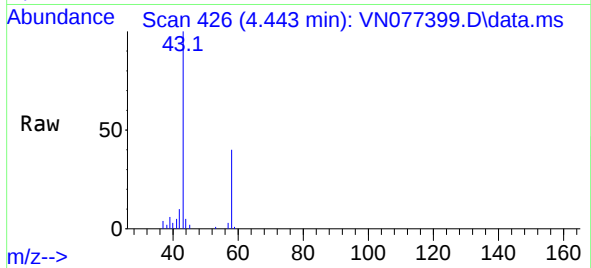




#16
Acetone
Concen: 15.079 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

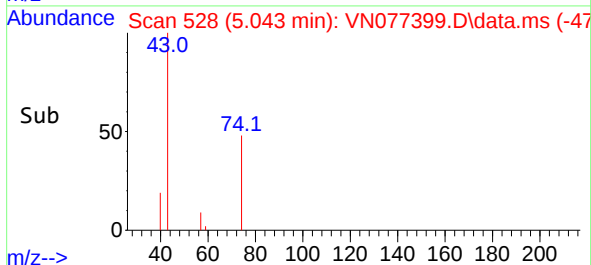
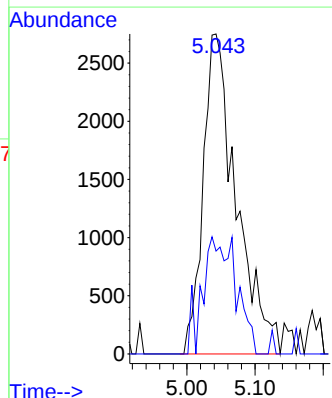
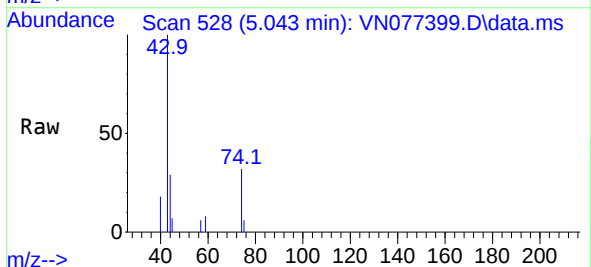
Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17

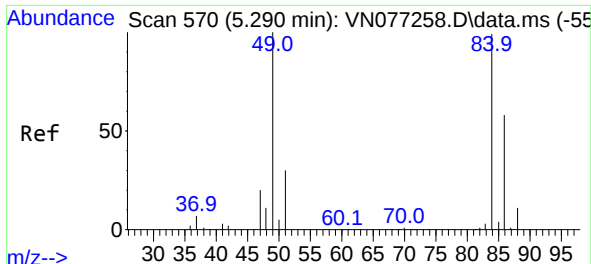
Tgt Ion: 43 Resp: 41731
Ion Ratio Lower Upper
43 100
58 39.6 29.0 43.6



#18
Methyl Acetate
Concen: 0.882 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

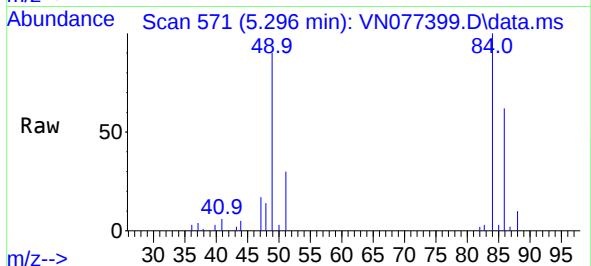
Tgt Ion: 43 Resp: 9298
Ion Ratio Lower Upper
43 100
74 34.8 23.4 35.2





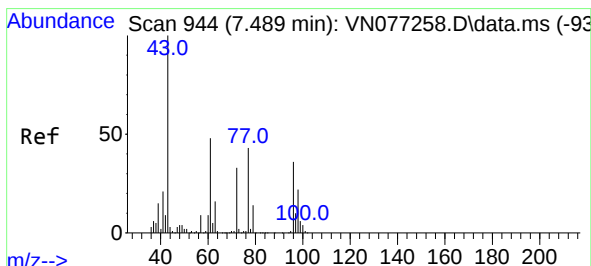
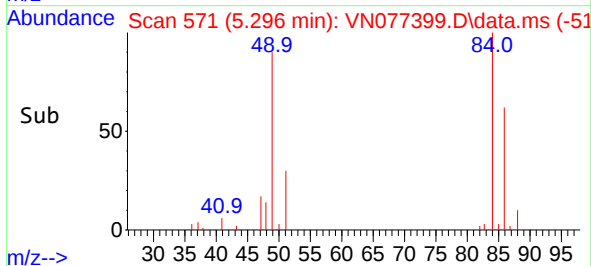
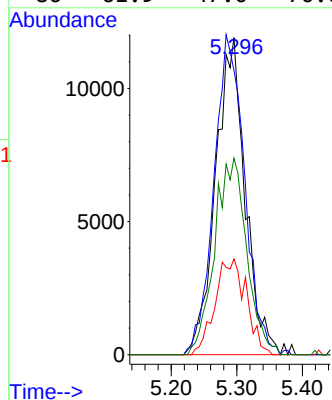
#20
Methylene Chloride
Concen: 4.755 ug/l
RT: 5.296 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17



Tgt Ion: 84 Resp: 37167

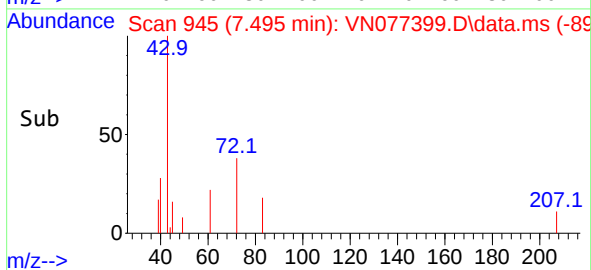
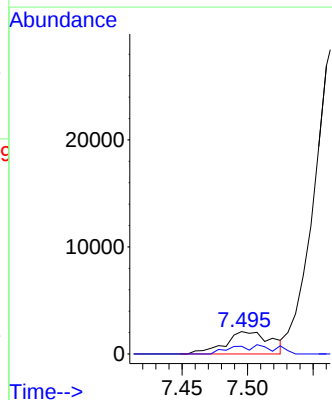
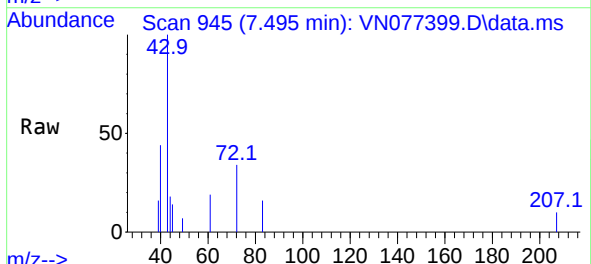
Ion	Ratio	Lower	Upper
84	100		
49	89.7	80.6	121.0
51	30.2	24.4	36.6
86	61.9	47.0	70.6

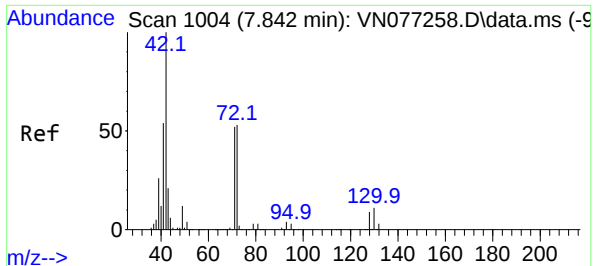


#25
2-Butanone
Concen: 1.126 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

Tgt Ion: 43 Resp: 5058

Ion	Ratio	Lower	Upper
43	100		
72	33.9	26.6	39.8





#29

Tetrahydrofuran

Concen: 0.244 ug/l

RT: 7.860 min Scan# 10

Delta R.T. 0.018 min

Lab File: VN077399.D

Acq: 20 Apr 2023 14:45

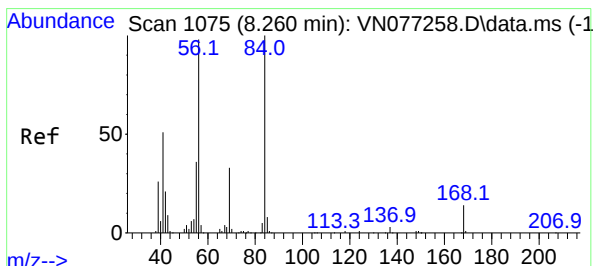
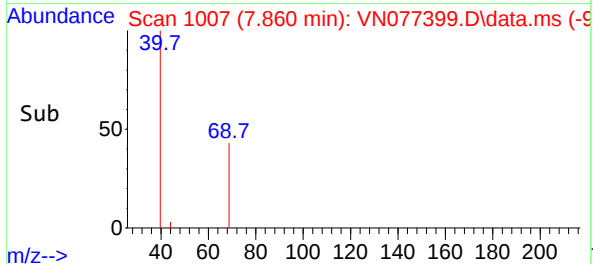
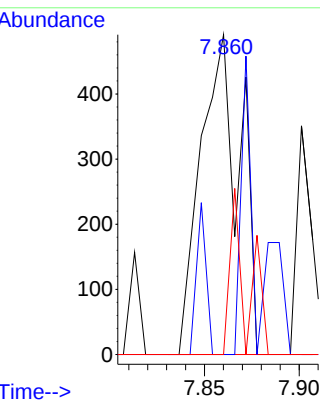
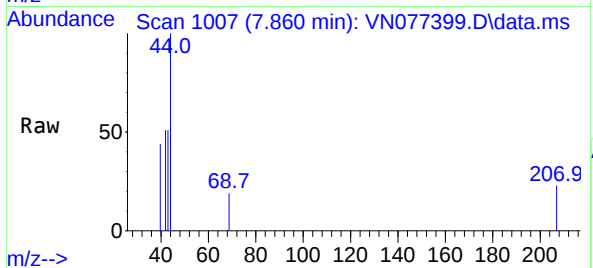
Instrument :

MSVOA_N

ClientSampleId :

SPB-3WC-23-04-17

Tgt Ion: 42	Resp: 704
Ion Ratio	Lower Upper
42	100
72	40.2 44.6 66.8#
71	22.0 41.3 61.9#



#31

Cyclohexane

Concen: 1.231 ug/l

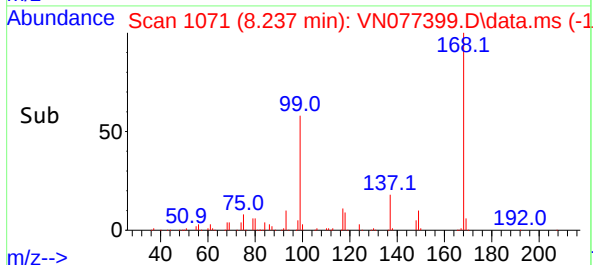
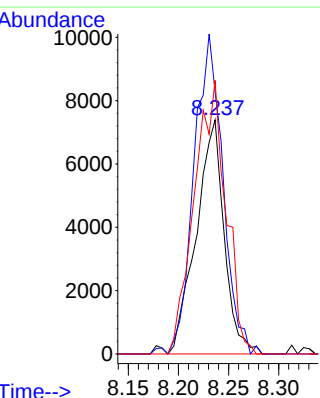
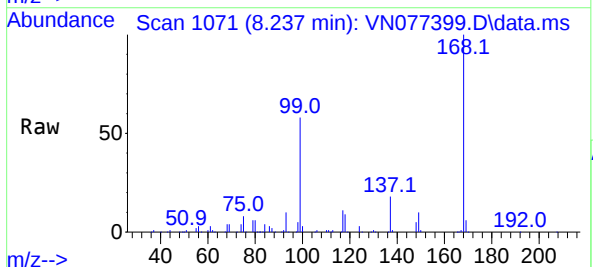
RT: 8.237 min Scan# 1071

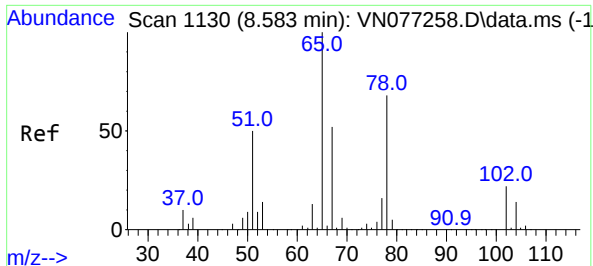
Delta R.T. -0.023 min

Lab File: VN077399.D

Acq: 20 Apr 2023 14:45

Tgt Ion: 56	Resp: 14360
Ion Ratio	Lower Upper
56	100
69	112.0 26.6 40.0#
84	116.8 81.8 122.8

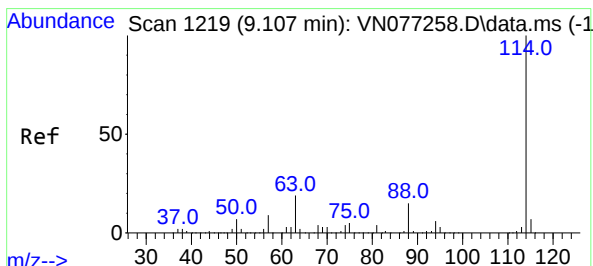
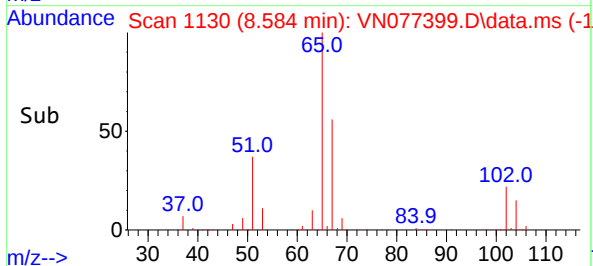
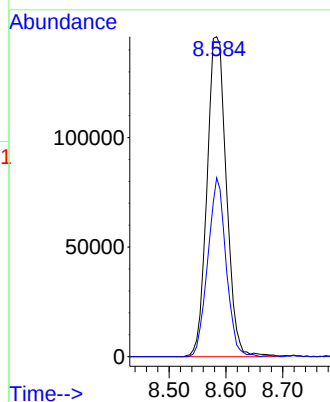
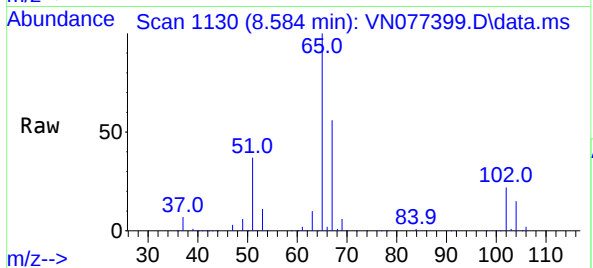




#33
1,2-Dichloroethane-d4
Concen: 46.088 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

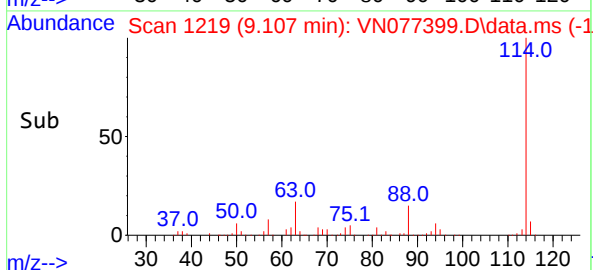
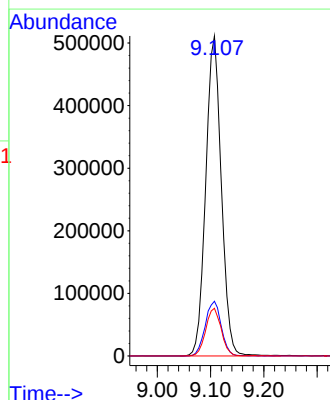
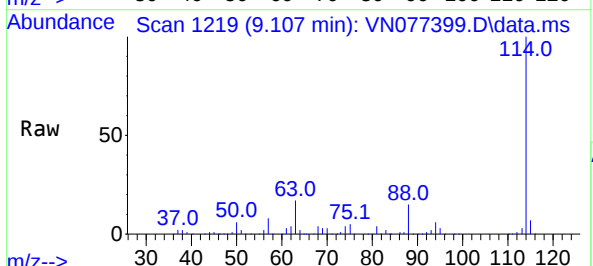
Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17

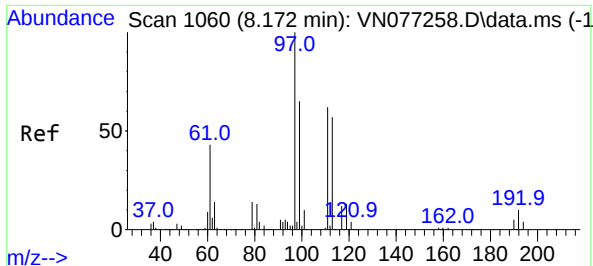
Tgt Ion: 65 Resp: 345933
Ion Ratio Lower Upper
65 100
67 52.5 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

Tgt Ion: 114 Resp: 1039479
Ion Ratio Lower Upper
114 100
63 17.1 0.0 37.8
88 14.9 0.0 29.4

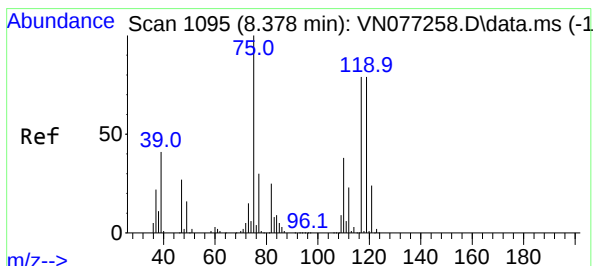
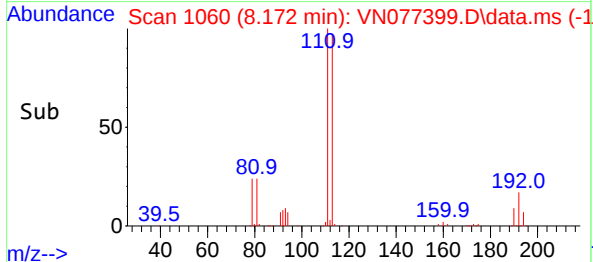
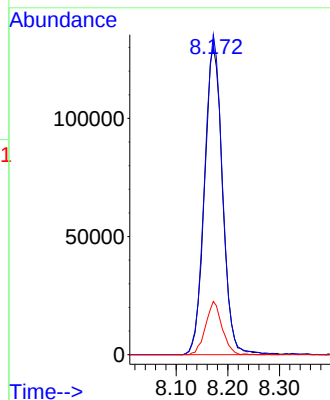
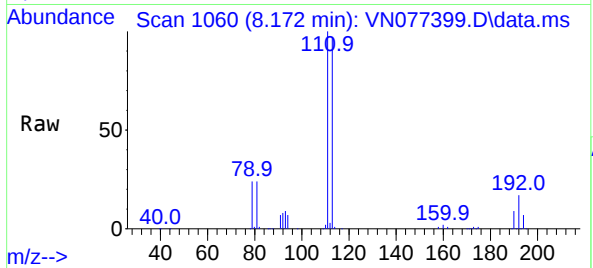




#35
Dibromofluoromethane
Concen: 47.585 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

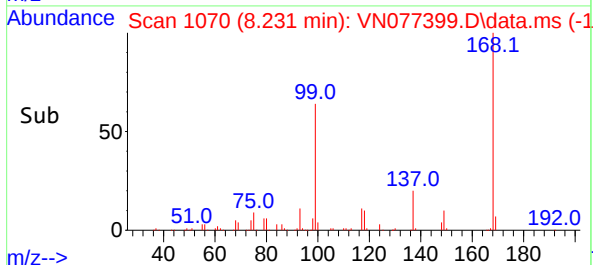
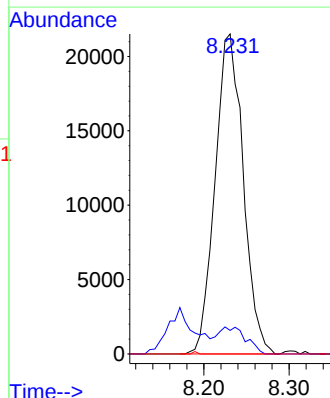
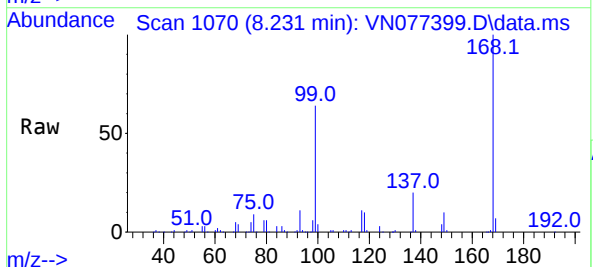
Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17

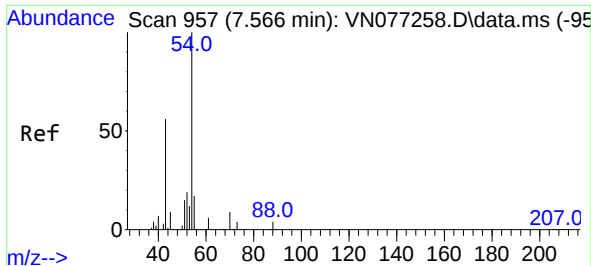
Tgt Ion:113 Resp: 316652
Ion Ratio Lower Upper
113 100
111 102.3 83.4 125.0
192 15.7 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.002 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

Tgt Ion: 75 Resp: 49233
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.5#
77 0.0 25.0 37.4#

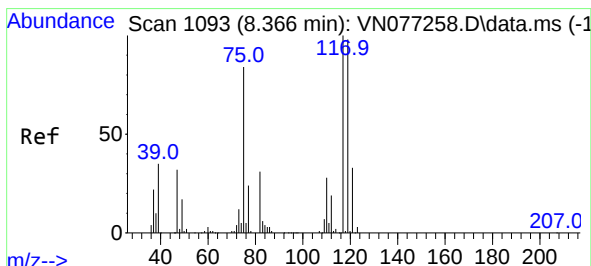
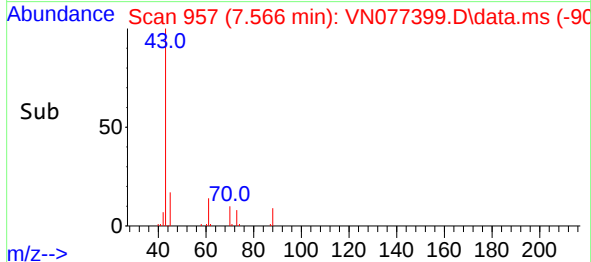
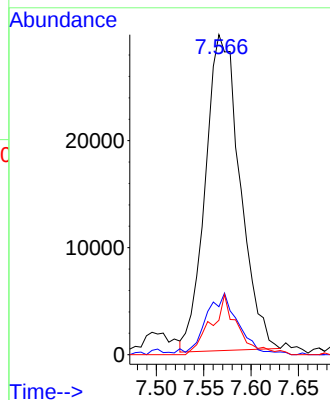
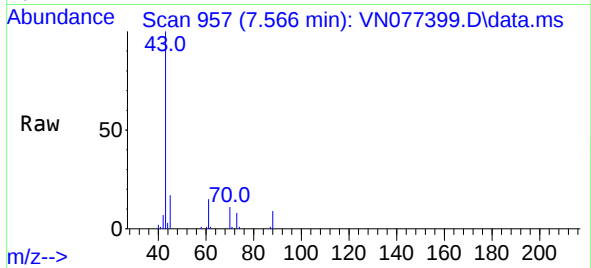




#37
Ethyl Acetate
Concen: 8.532 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

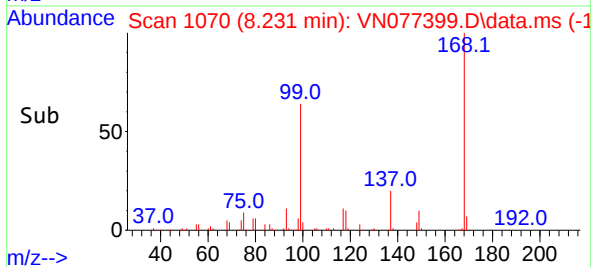
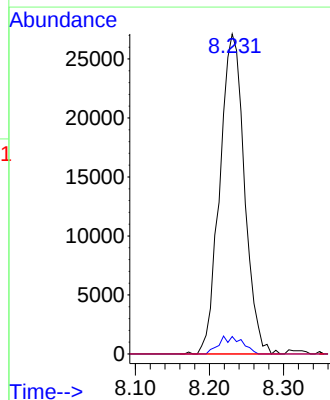
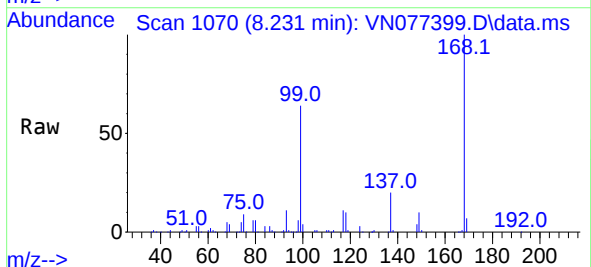
Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17

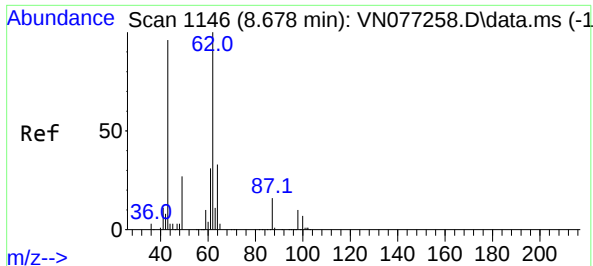
Tgt Ion: 43 Resp: 75134
Ion Ratio Lower Upper
43 100
61 18.3 12.2 18.2#
70 14.7 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.202 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

Tgt Ion: 117 Resp: 62534
Ion Ratio Lower Upper
117 100
119 5.5 78.5 117.7#
121 0.0 26.6 40.0#

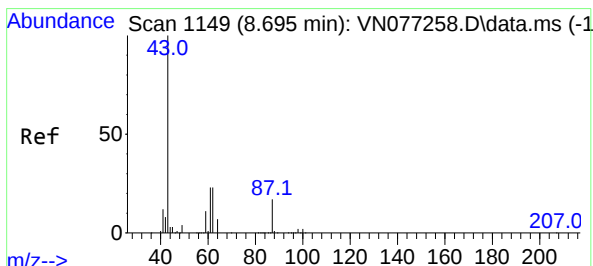
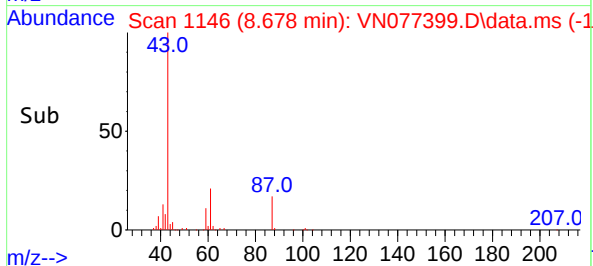
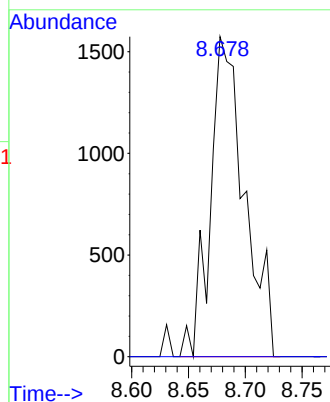
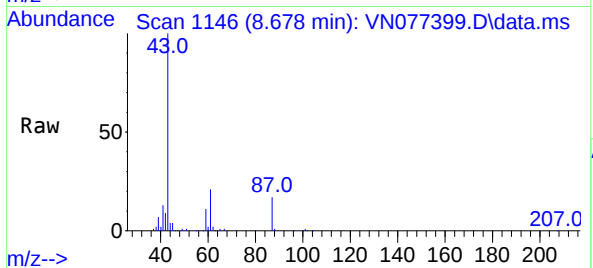




#42
1,2-Dichloroethane
Concen: 0.350 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

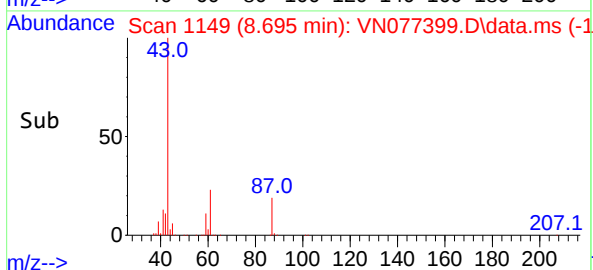
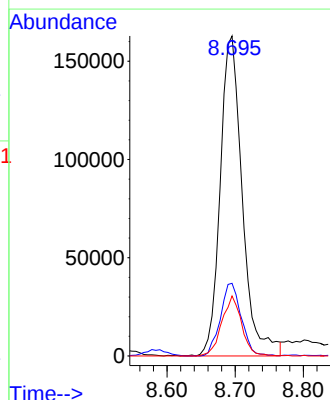
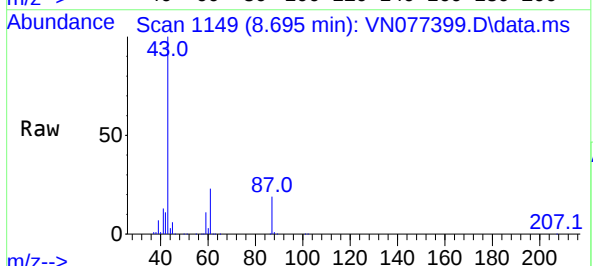
Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17

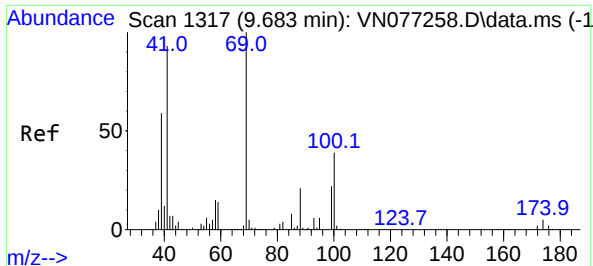
Tgt Ion: 62 Resp: 3306
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



#43
Isopropyl Acetate
Concen: 22.656 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

Tgt Ion: 43 Resp: 368124
Ion Ratio Lower Upper
43 100
61 21.5 22.7 34.1#
87 16.9 13.6 20.4

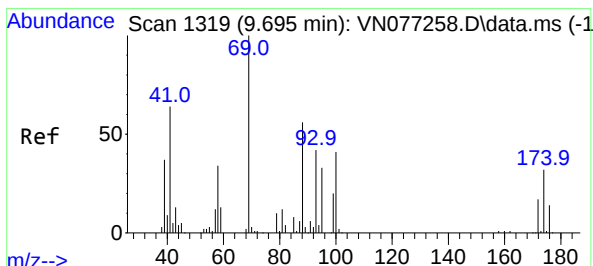
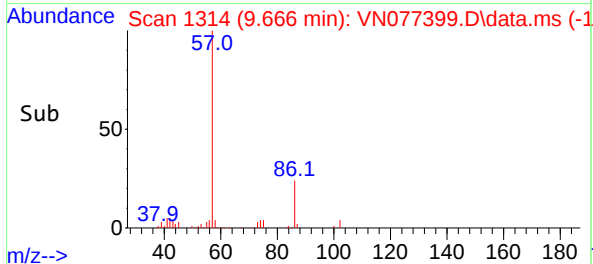
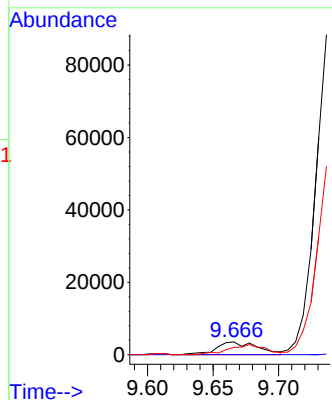
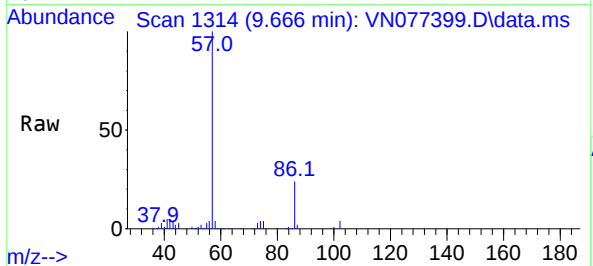




#48
Methyl methacrylate
Concen: 1.117 ug/l
RT: 9.666 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

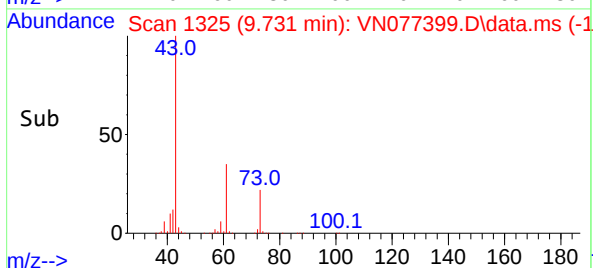
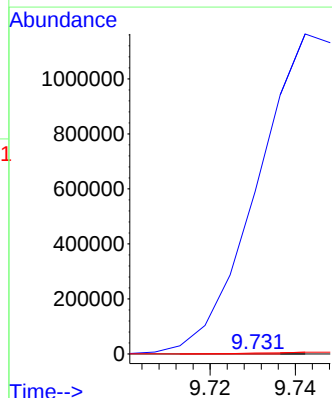
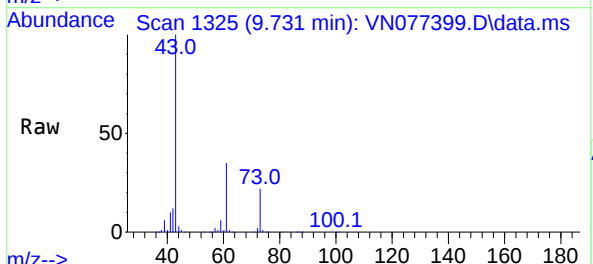
Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17

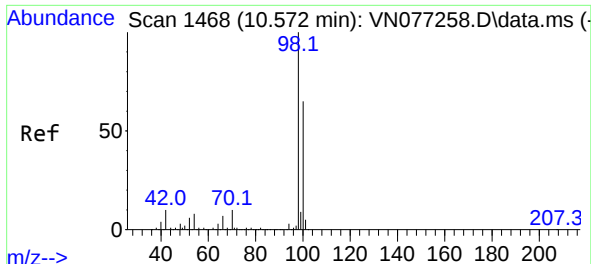
Tgt Ion: 41 Resp: 7739
Ion Ratio Lower Upper
41 100
69 0.0 85.0 127.6#
39 69.3 53.5 80.3



#49
1,4-Dioxane
Concen: 0.988 ug/l
RT: 9.731 min Scan# 1325
Delta R.T. 0.036 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

Tgt Ion: 88 Resp: 166
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 49.8 74.6#

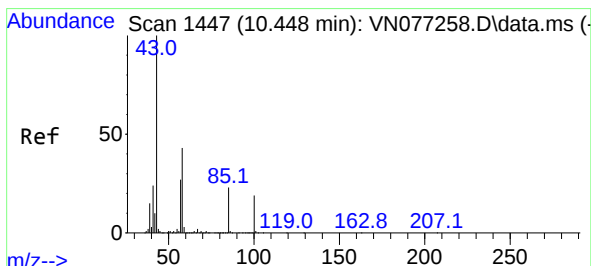
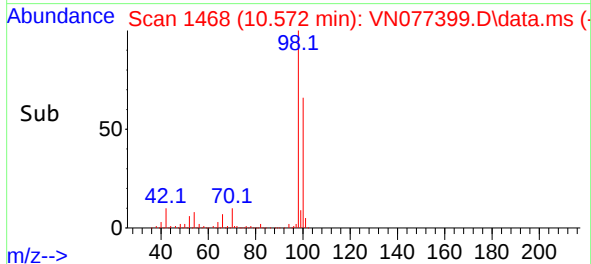
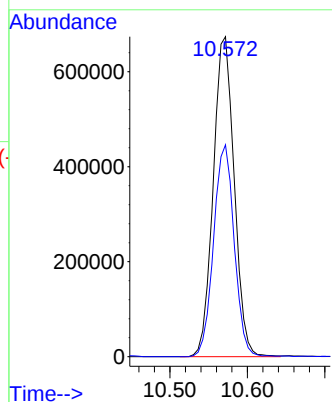
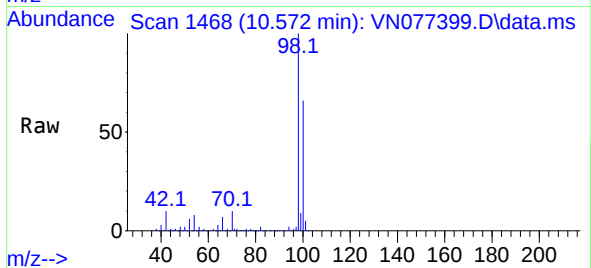




#50
Toluene-d8
Concen: 47.265 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

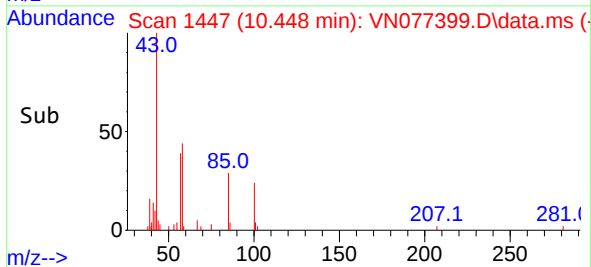
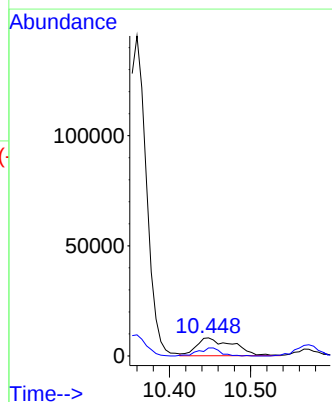
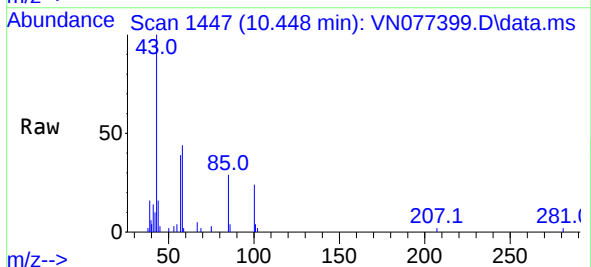
Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17

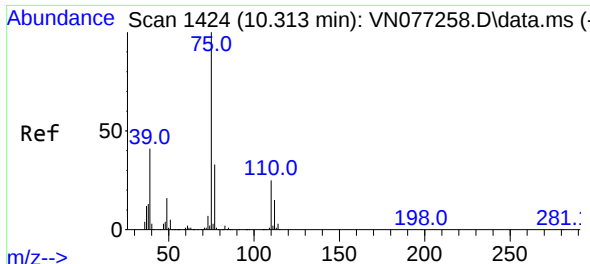
Tgt Ion: 98 Resp: 1266151
Ion Ratio Lower Upper
98 100
100 65.2 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 2.696 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

Tgt Ion: 43 Resp: 25320
Ion Ratio Lower Upper
43 100
58 27.3 34.6 52.0#

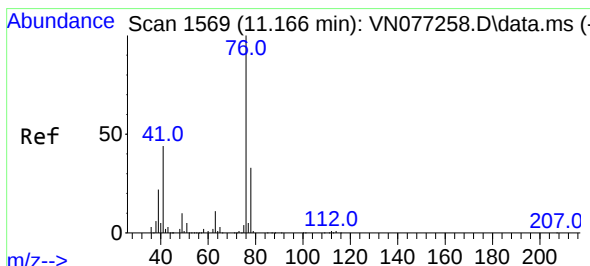
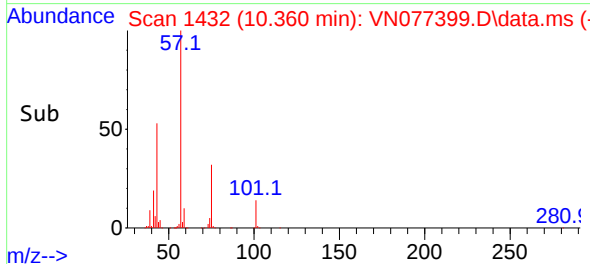
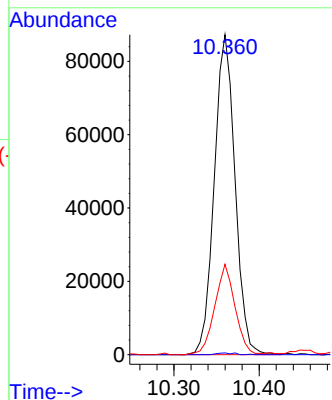
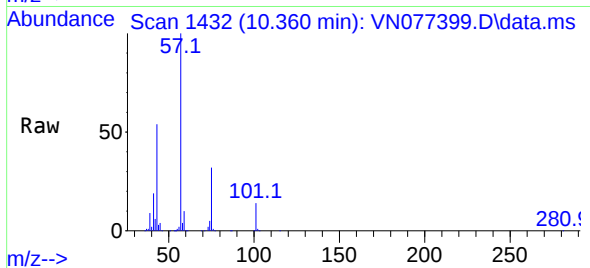




#54
cis-1,3-Dichloropropene
Concen: 11.635 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

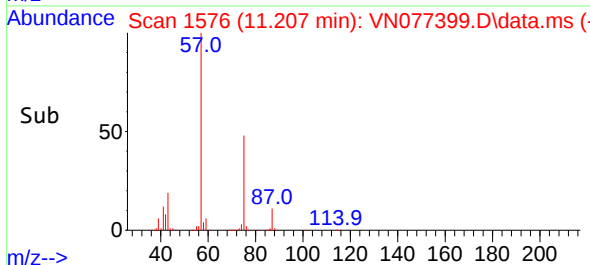
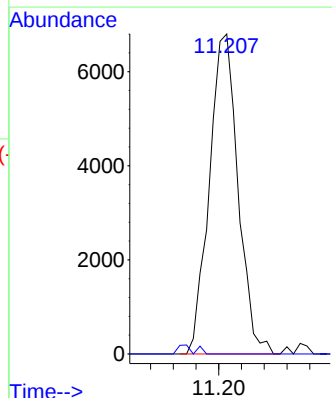
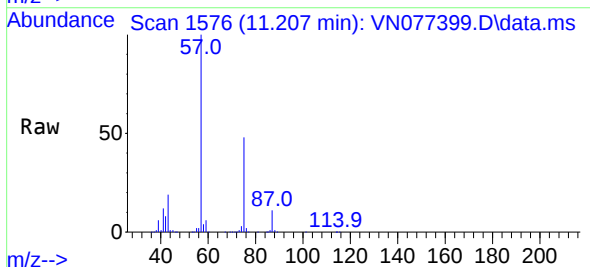
Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17

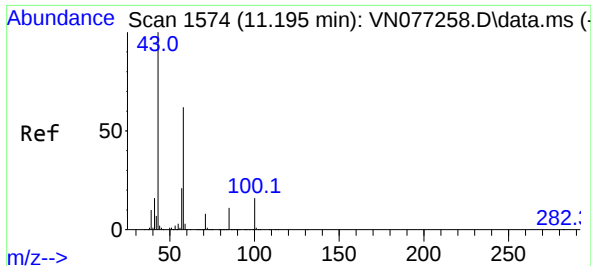
Tgt Ion: 75 Resp: 147753
Ion Ratio Lower Upper
75 100
77 0.6 26.7 40.1#
39 28.3 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 0.916 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

Tgt Ion: 76 Resp: 11935
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#

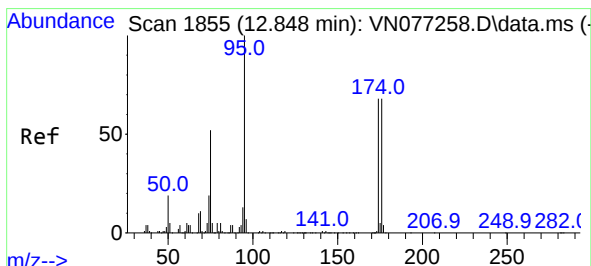
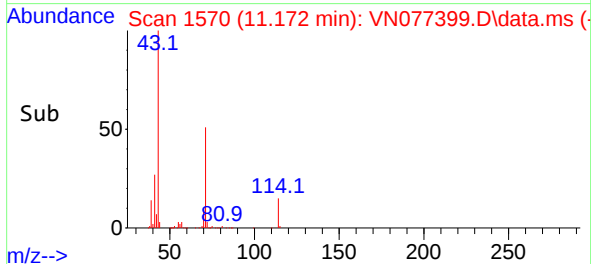
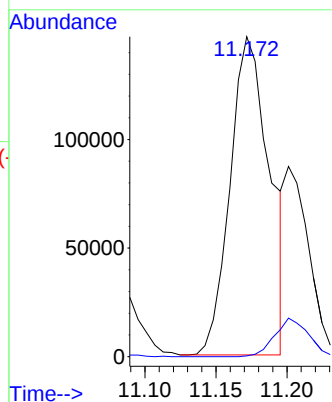
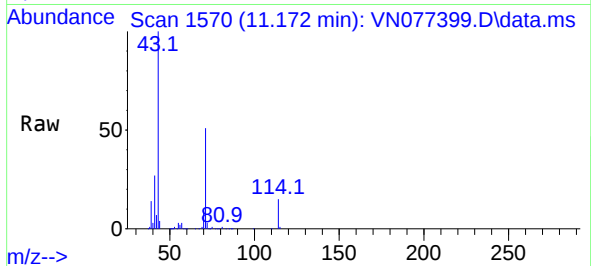




#59
2-Hexanone
Concen: 40.420 ug/l
RT: 11.172 min Scan# 11172
Delta R.T. -0.023 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

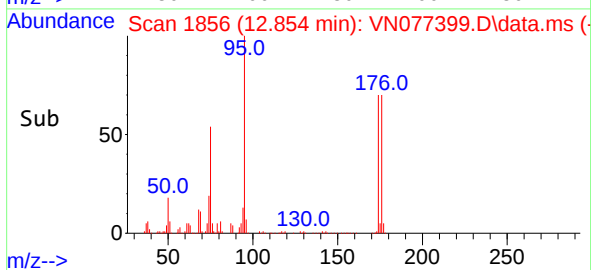
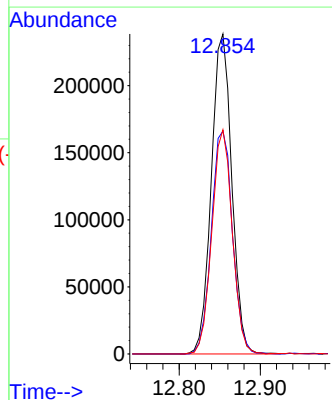
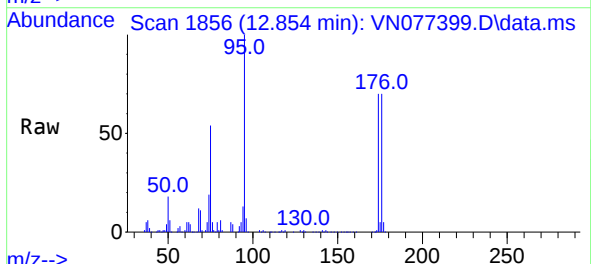
Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17

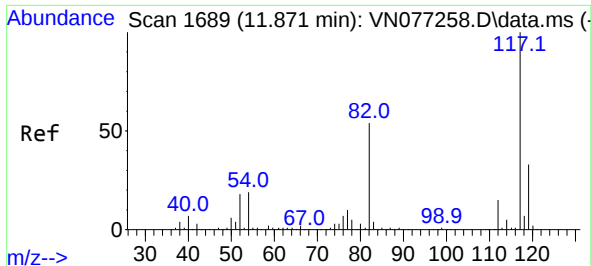
Tgt Ion: 43 Resp: 282824
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 46.811 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

Tgt Ion: 95 Resp: 417059
Ion Ratio Lower Upper
95 100
174 72.2 0.0 146.8
176 70.1 0.0 139.6

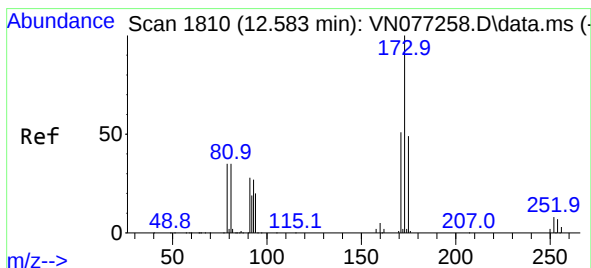
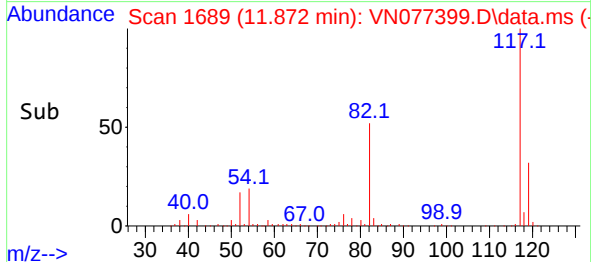
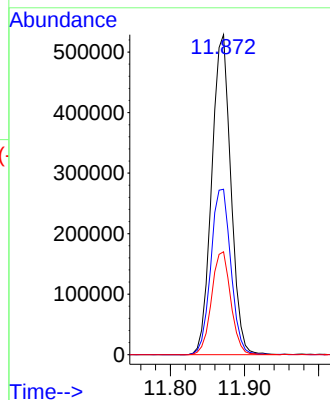
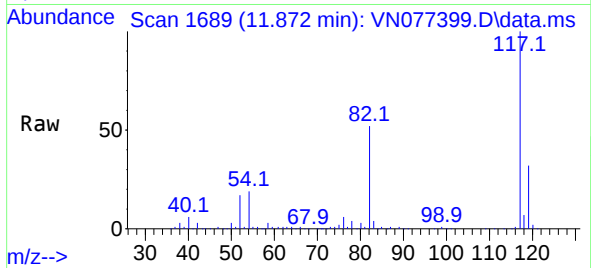




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

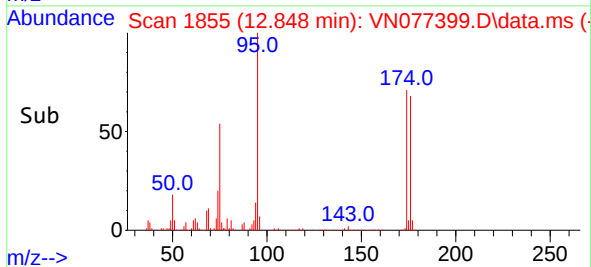
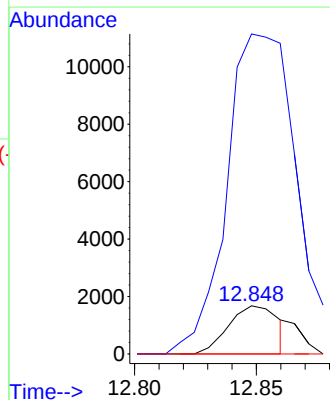
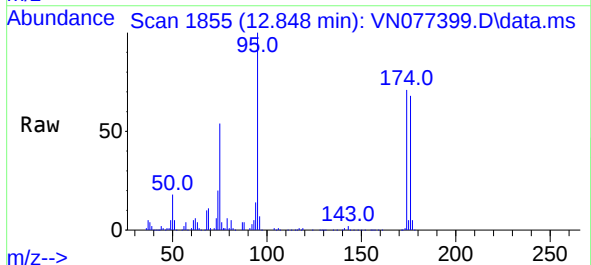
Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17

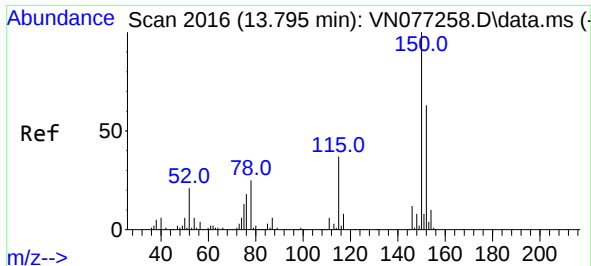
Tgt Ion:117 Resp: 948614
Ion Ratio Lower Upper
117 100
82 51.7 42.9 64.3
119 32.1 26.2 39.4



#71
Bromoform
Concen: 0.429 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

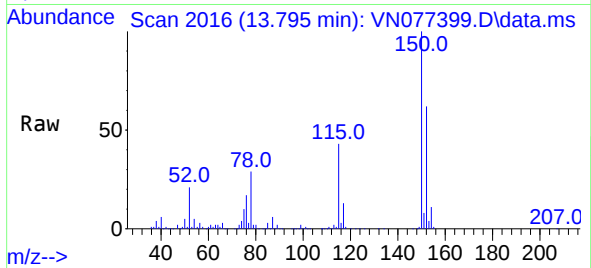
Tgt Ion:173 Resp: 2384
Ion Ratio Lower Upper
173 100
175 744.5 24.1 72.4#
254 0.0 0.1 0.1#



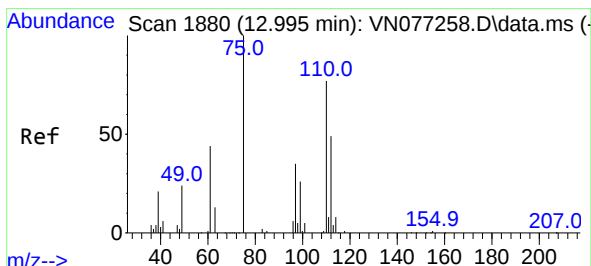
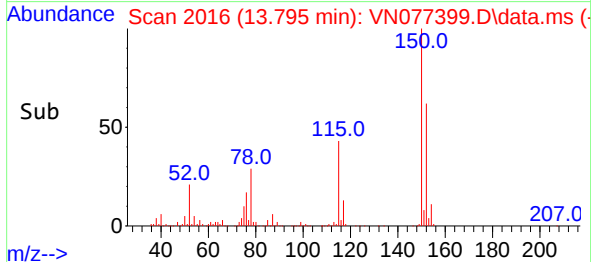
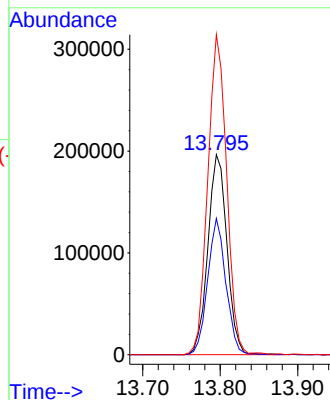


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17

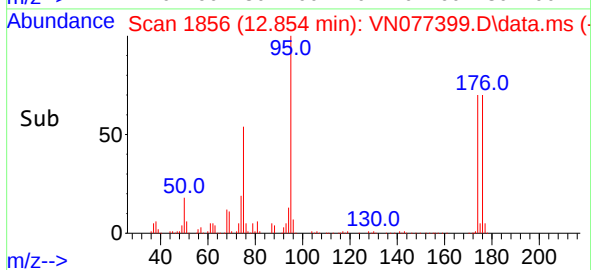
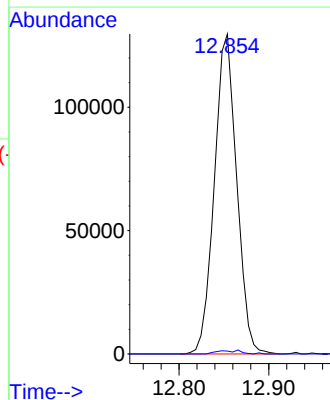
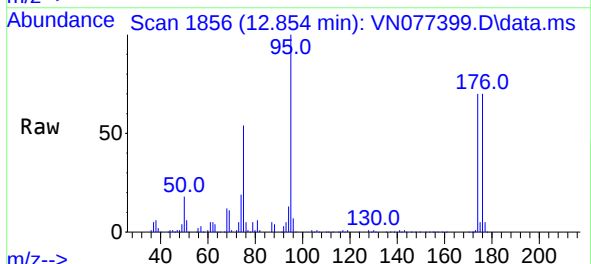


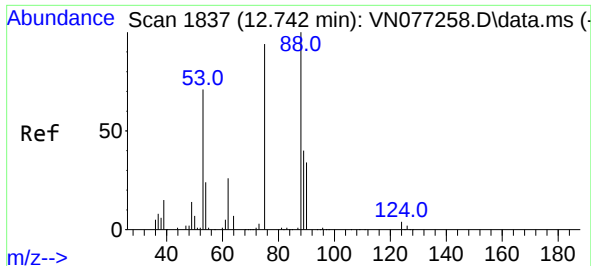
Tgt Ion:152 Resp: 336269
Ion Ratio Lower Upper
152 100
115 65.0 32.1 96.3
150 157.9 0.0 354.8



#76
1,2,3-Trichloropropane
Concen: 27.976 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

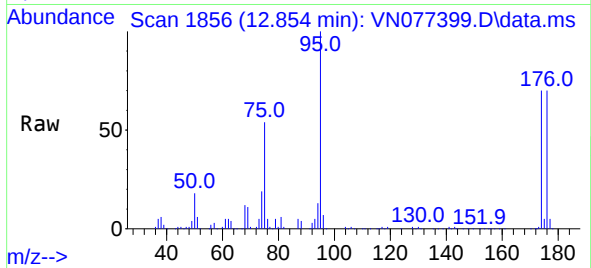
Tgt Ion: 75 Resp: 224020
Ion Ratio Lower Upper
75 100
77 1.1 88.3 264.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 62.956 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077399.D
Acq: 20 Apr 2023 14:45

Instrument :
MSVOA_N
ClientSampleId :
SPB-3WC-23-04-17



Tgt Ion: 75 Resp: 224020
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

