

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077395.D
 Acq On : 20 Apr 2023 13:08
 Operator : JC\MD
 Sample : PB152199ZHE#17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#17

Quant Time: Apr 21 02:39:15 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)

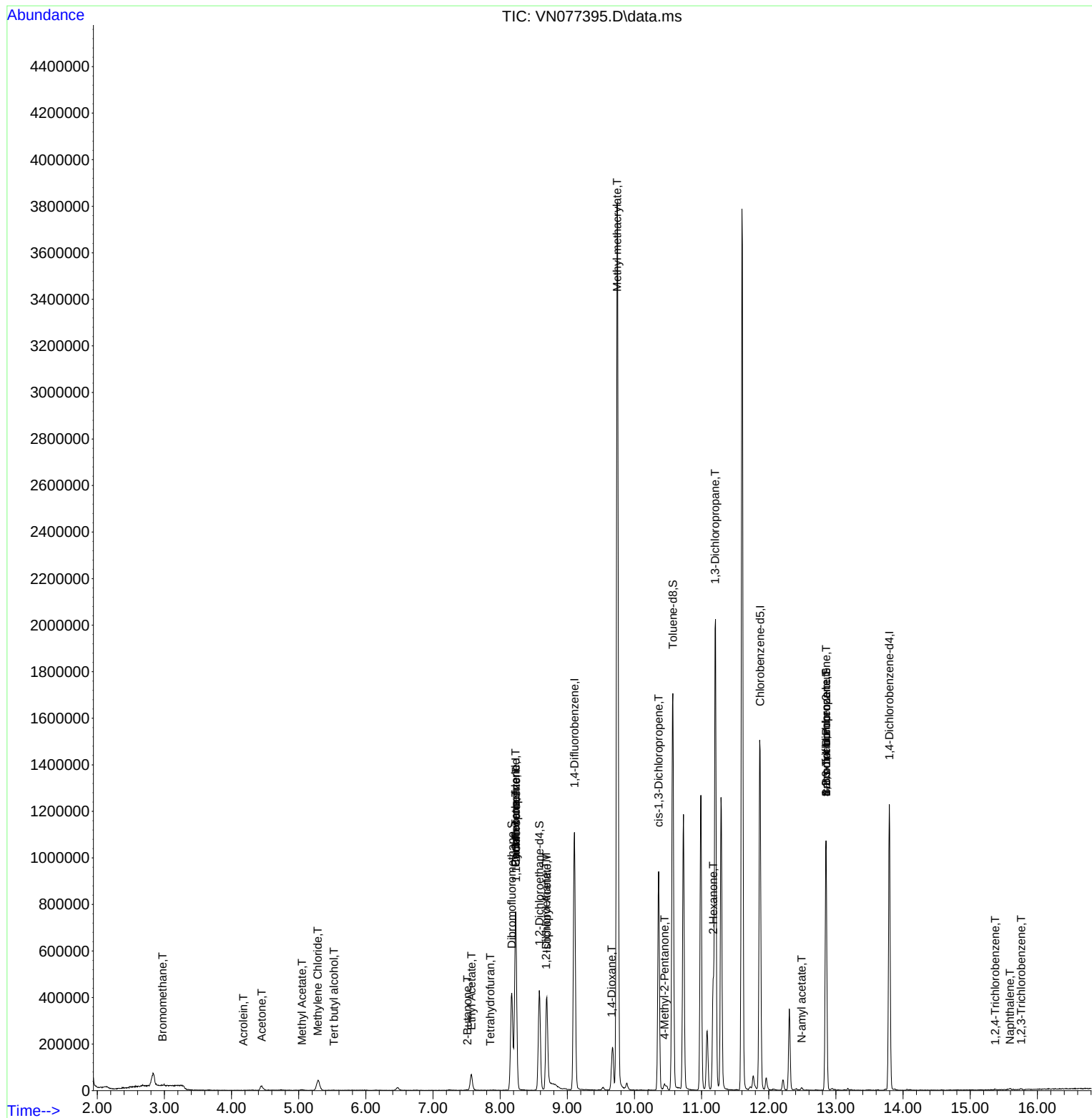
Internal Standards						
1) Pentafluorobenzene	8.231	168	554334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1024177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	928792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	331717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	334115	44.100	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.200%		
35) Dibromofluoromethane	8.172	113	301151	45.932	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.860%		
50) Toluene-d8	10.572	98	1241736	47.046	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.100%		
62) 4-Bromofluorobenzene	12.854	95	385289	43.891	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.780%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.972	94	2089	0.242	ug/l #	47
11) Tert butyl alcohol	5.525	59	513	0.332	ug/l #	72
13) Acrolein	4.178	56	344	0.235	ug/l	91
16) Acetone	4.448	43	34811	12.462	ug/l	89
18) Methyl Acetate	5.048	43	6018	0.566	ug/l #	85
20) Methylene Chloride	5.284	84	37905	4.805	ug/l	93
25) 2-Butanone	7.513	43	3130	0.690	ug/l	98
29) Tetrahydrofuran	7.854	42	1036	0.355	ug/l #	65
31) Cyclohexane	8.231	56	13180	1.120	ug/l #	36
36) 1,1-Dichloropropene	8.236	75	46331	4.778	ug/l #	49
37) Ethyl Acetate	7.572	43	92886	10.706	ug/l	94
38) Carbon Tetrachloride	8.231	117	60490	6.089	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	2156	0.232	ug/l #	73
43) Isopropyl Acetate	8.695	43	450011	28.109	ug/l #	91
48) Methyl methacrylate	9.742	41	327369	47.935	ug/l #	34
49) 1,4-Dioxane	9.660	88	57	0.344	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	15446	1.669	ug/l	99
54) cis-1,3-Dichloropropene	10.360	75	191705	15.321	ug/l #	61
57) 1,3-Dichloropropane	11.201	76	23898	1.861	ug/l #	43
59) 2-Hexanone	11.172	43	336402	48.796	ug/l #	20
71) Bromoform	12.854	173	2247	0.413	ug/l #	1
74) N-amyl acetate	12.489	43	3804	0.312	ug/l #	58
76) 1,2,3-Trichloropropane	12.854	75	211474	26.772	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	211474	60.246	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.371	180	1040	0.238	ug/l	89
95) Naphthalene	15.595	128	5685	0.346	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.759	180	1080	0.258	ug/l	93

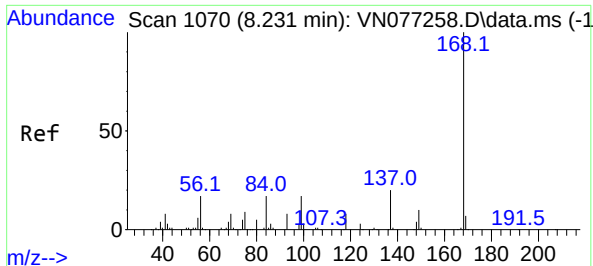
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
Data File : VN077395.D
Acq On : 20 Apr 2023 13:08
Operator : JC\MD
Sample : PB152199ZHE#17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

Quant Time: Apr 21 02:39:15 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

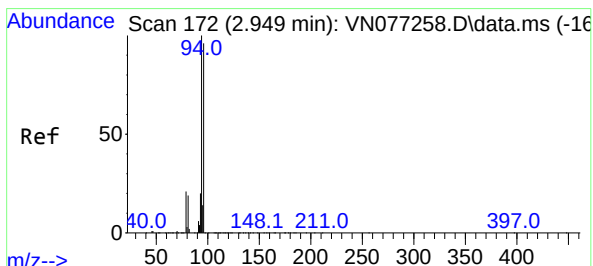
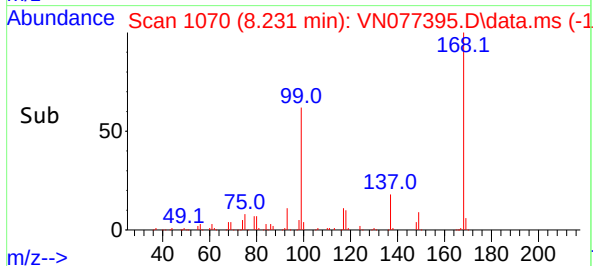
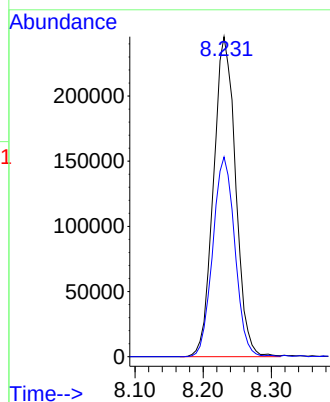
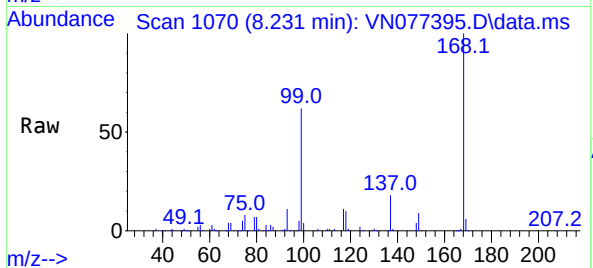




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

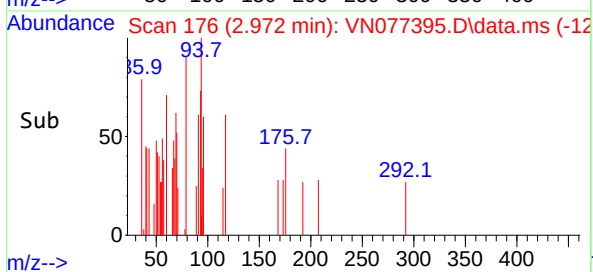
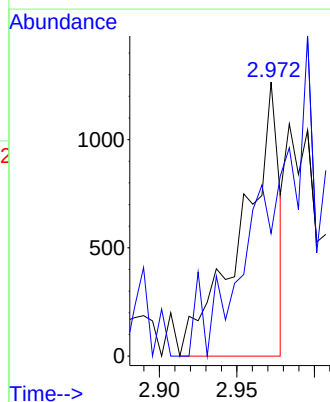
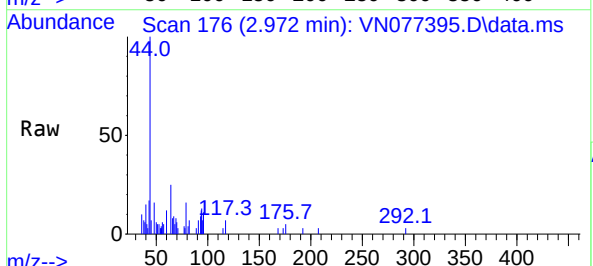
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

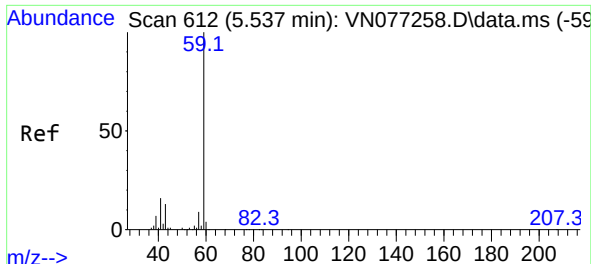
Tgt Ion:168 Resp: 554334
Ion Ratio Lower Upper
168 100
99 62.4 50.6 75.8



#5
Bromomethane
Concen: 0.242 ug/l
RT: 2.972 min Scan# 176
Delta R.T. 0.023 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Tgt Ion: 94 Resp: 2089
Ion Ratio Lower Upper
94 100
96 44.8 77.0 115.4#

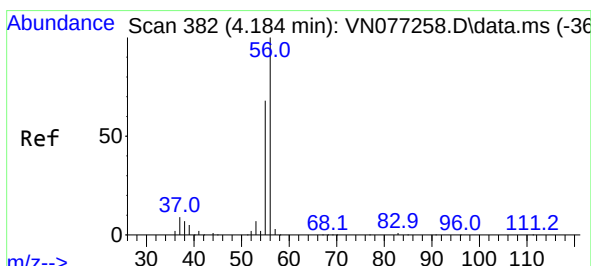
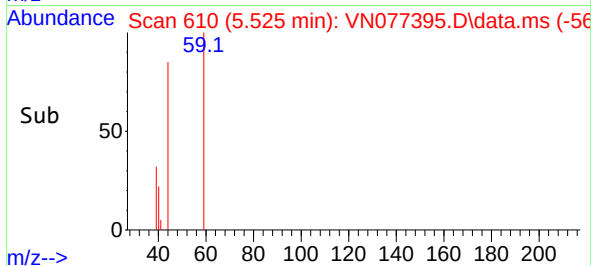
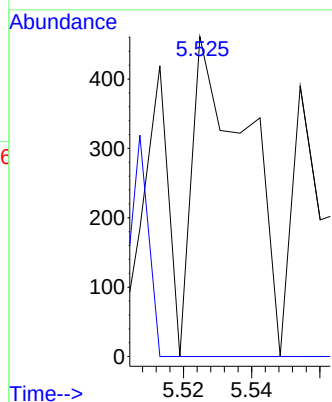
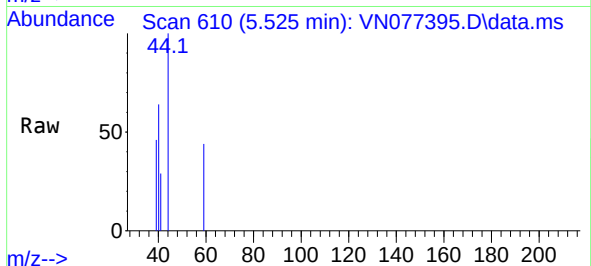




#11
Tert butyl alcohol
Concen: 0.332 ug/l
RT: 5.525 min Scan# 612
Delta R.T. -0.012 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

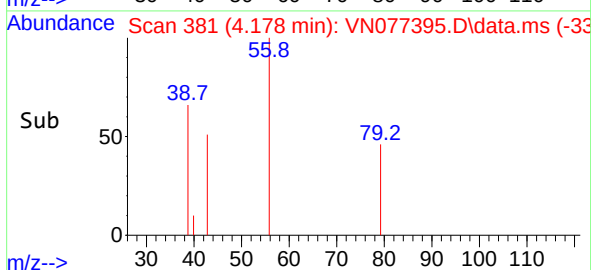
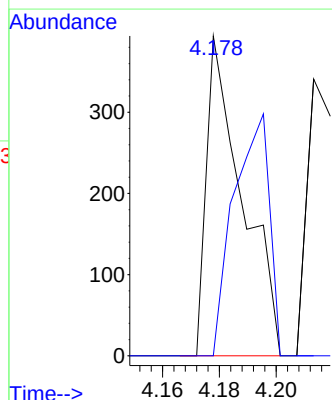
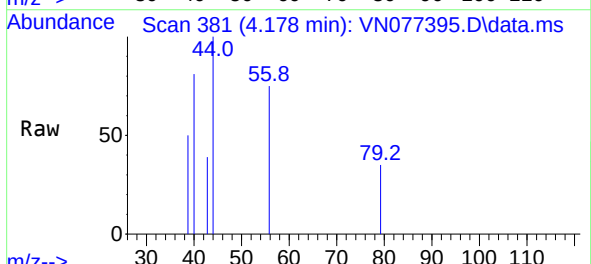
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

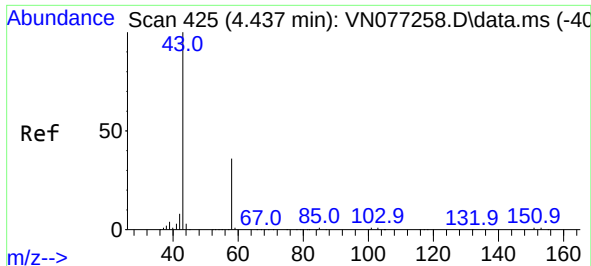
Tgt Ion: 59 Resp: 513
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.235 ug/l
RT: 4.178 min Scan# 381
Delta R.T. -0.006 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Tgt Ion: 56 Resp: 344
Ion Ratio Lower Upper
56 100
55 75.0 54.2 81.2

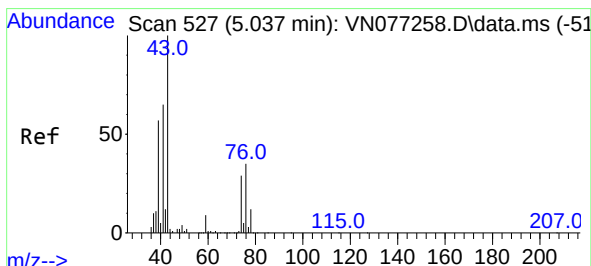
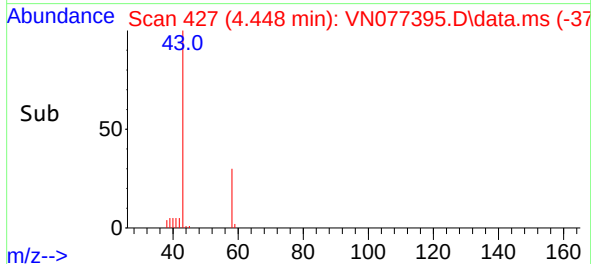
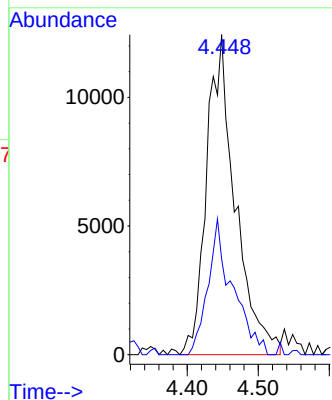
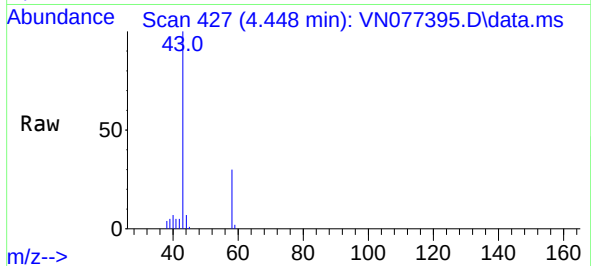




#16
Acetone
Concen: 12.462 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

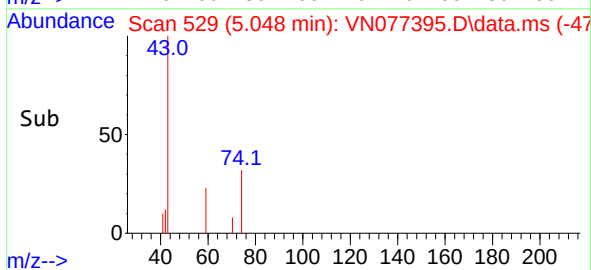
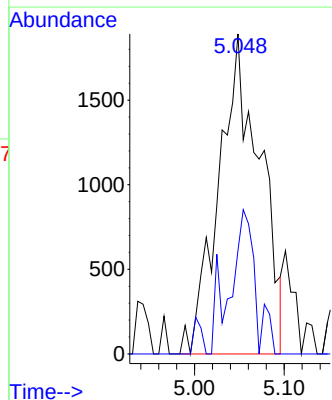
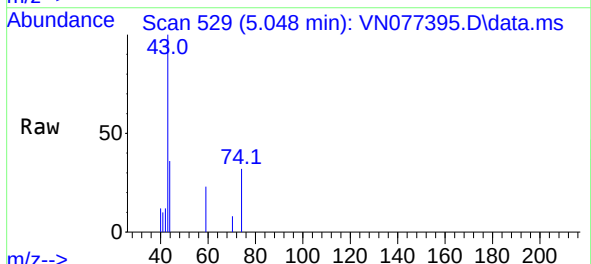
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

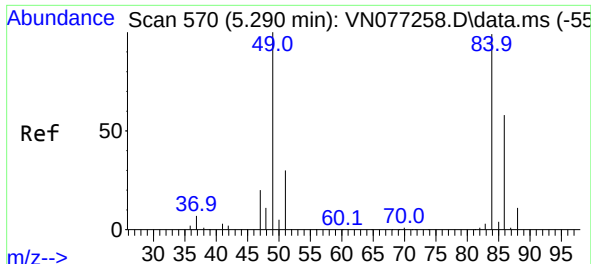
Tgt Ion: 43 Resp: 34811
Ion Ratio Lower Upper
43 100
58 29.9 29.0 43.6



#18
Methyl Acetate
Concen: 0.566 ug/l
RT: 5.048 min Scan# 529
Delta R.T. 0.011 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Tgt Ion: 43 Resp: 6018
Ion Ratio Lower Upper
43 100
74 21.5 23.4 35.2#



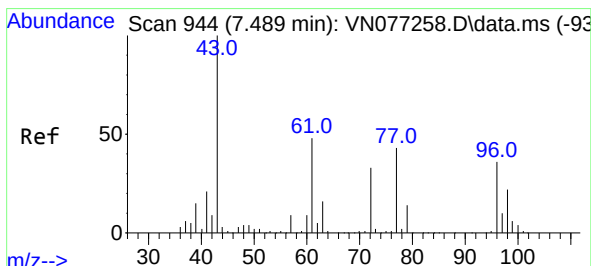
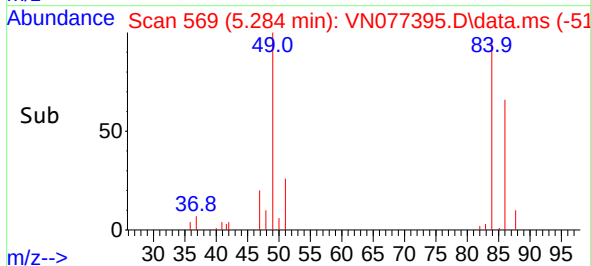
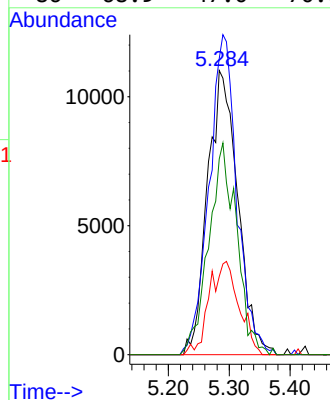
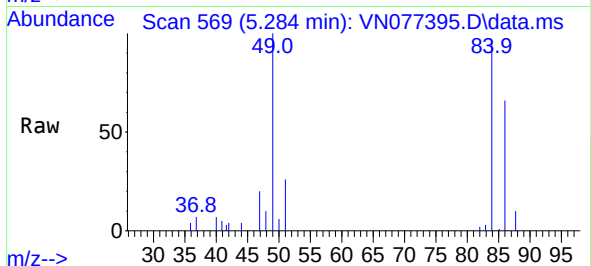


#20
Methylene Chloride
Concen: 4.805 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

Tgt Ion: 84 Resp: 37905

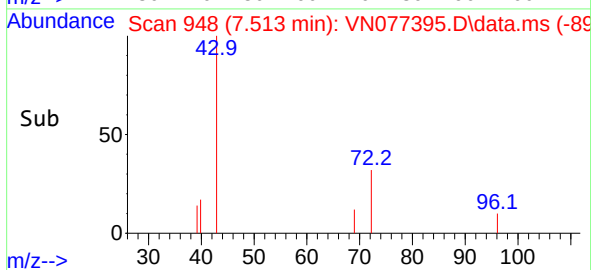
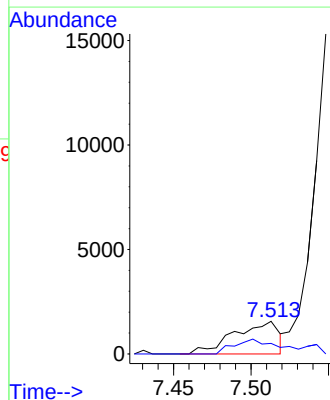
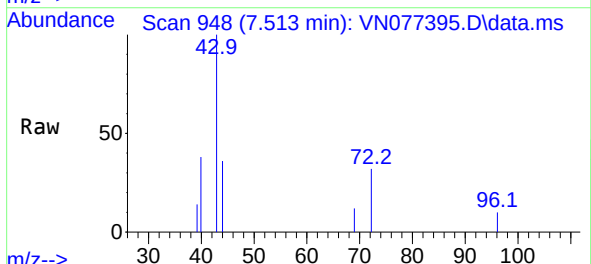
Ion	Ratio	Lower	Upper
84	100		
49	104.2	80.6	121.0
51	27.5	24.4	36.6
86	68.9	47.0	70.6

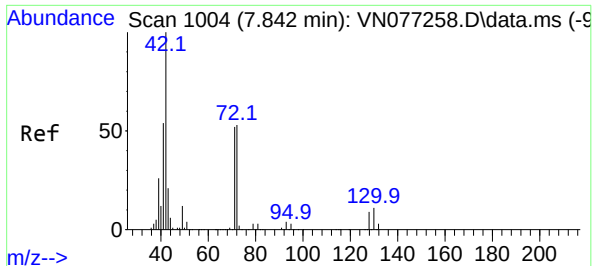


#25
2-Butanone
Concen: 0.690 ug/l
RT: 7.513 min Scan# 948
Delta R.T. 0.024 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Tgt Ion: 43 Resp: 3130

Ion	Ratio	Lower	Upper
43	100		
72	32.3	26.6	39.8

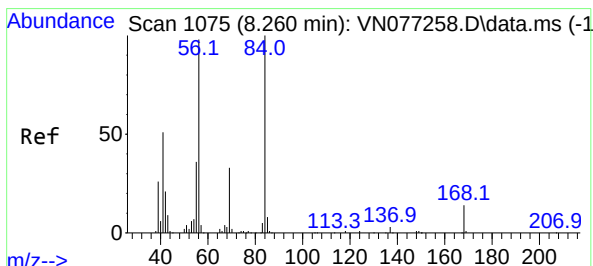
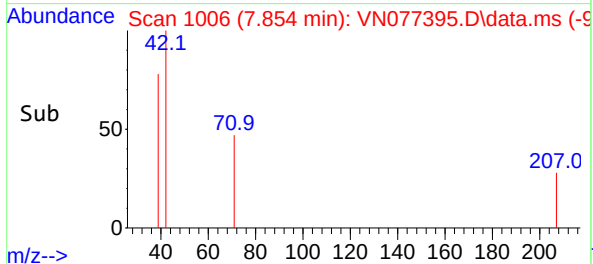
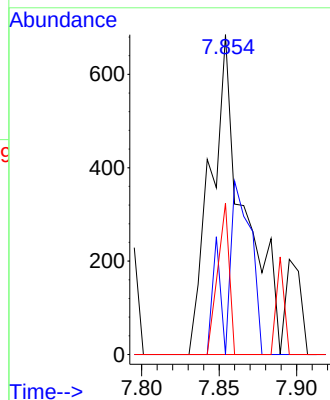
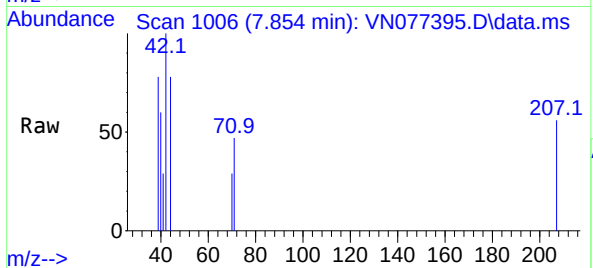




#29
Tetrahydrofuran
Concen: 0.355 ug/l
RT: 7.854 min Scan# 1036
Delta R.T. 0.012 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

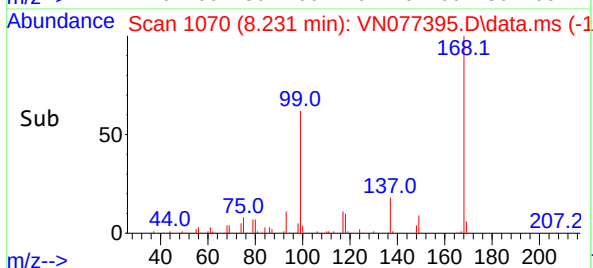
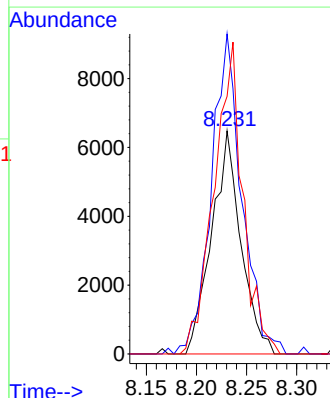
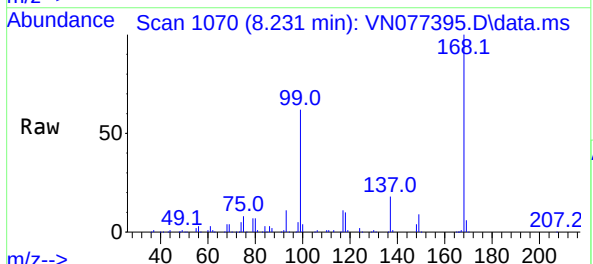
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

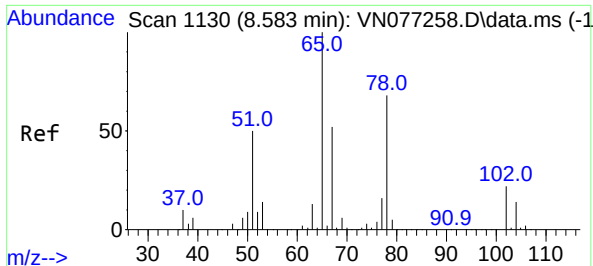
Tgt Ion: 42 Resp: 1036
Ion Ratio Lower Upper
42 100
72 40.3 44.6 66.8#
71 16.4 41.3 61.9#



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Tgt Ion: 56 Resp: 13180
Ion Ratio Lower Upper
56 100
69 139.9 26.6 40.0#
84 126.3 81.8 122.8#

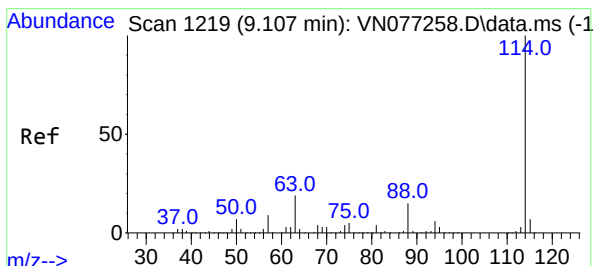
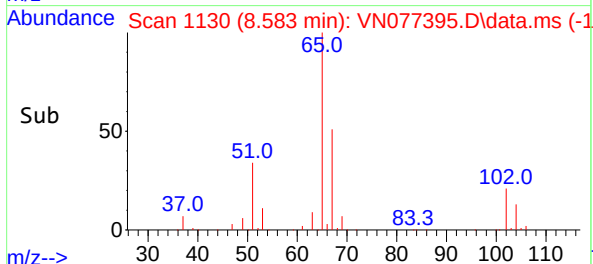
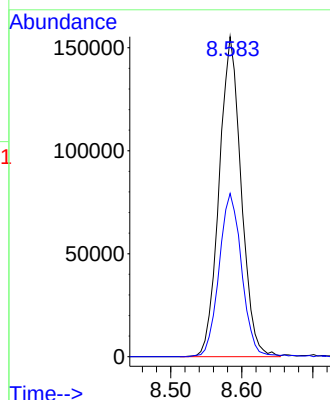
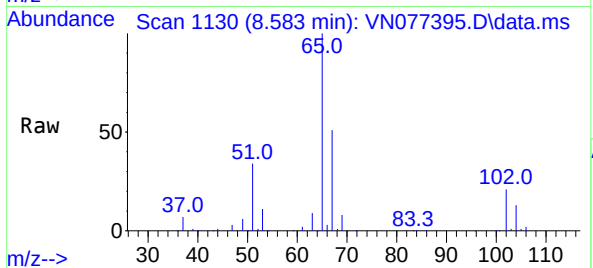




#33
1,2-Dichloroethane-d4
Concen: 44.100 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

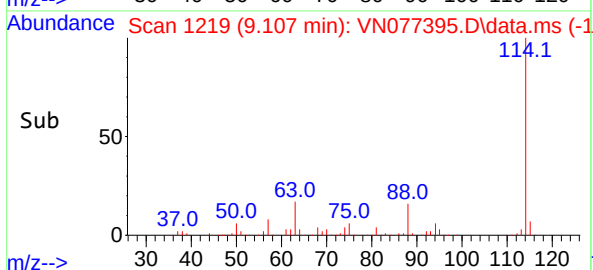
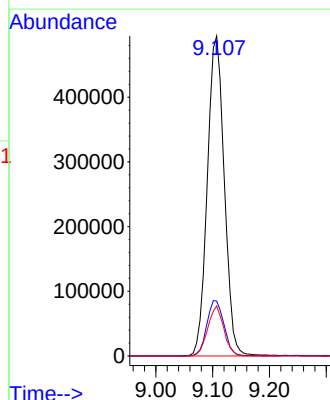
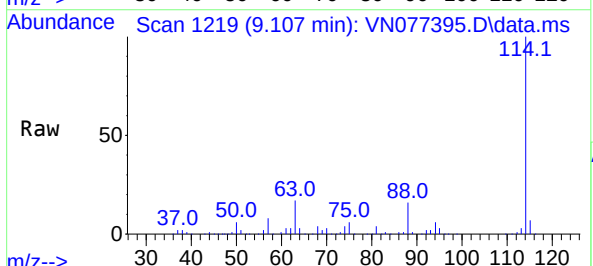
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

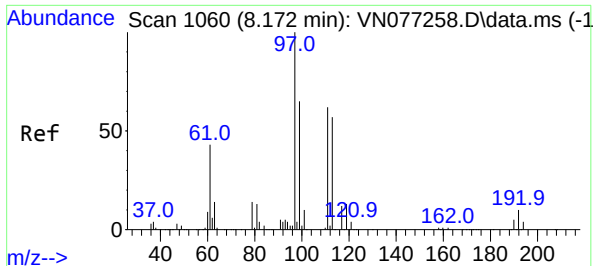
Tgt Ion: 65 Resp: 334115
Ion Ratio Lower Upper
65 100
67 52.6 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Tgt Ion:114 Resp: 1024177
Ion Ratio Lower Upper
114 100
63 17.2 0.0 37.8
88 15.6 0.0 29.4

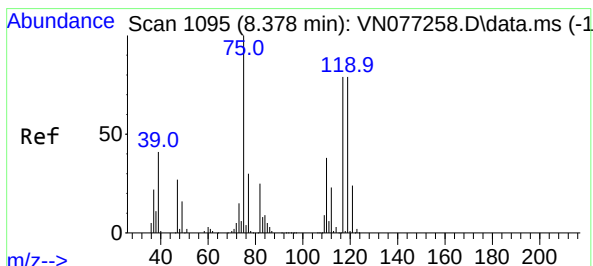
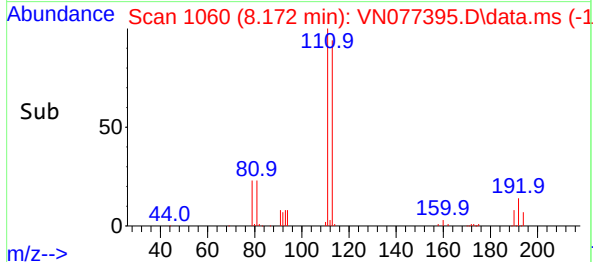
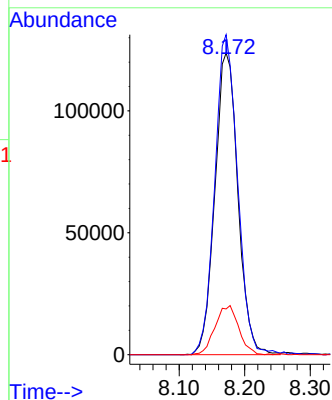
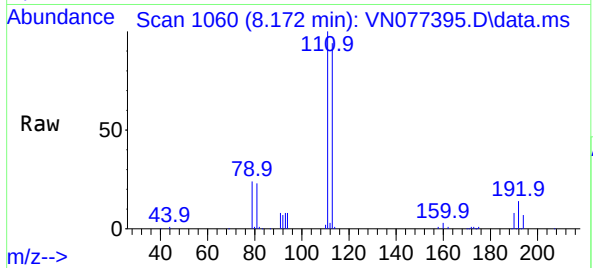




#35
Dibromofluoromethane
Concen: 45.932 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

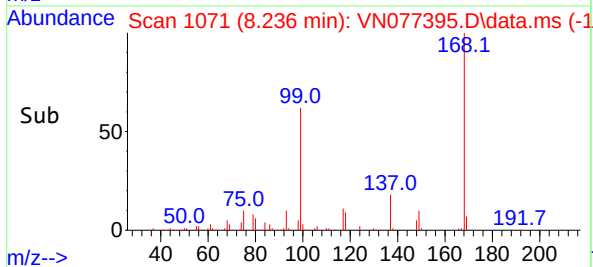
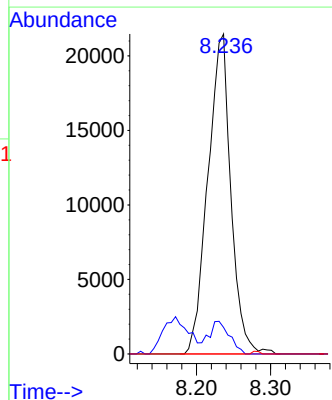
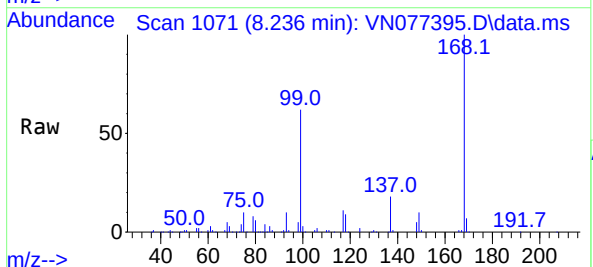
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

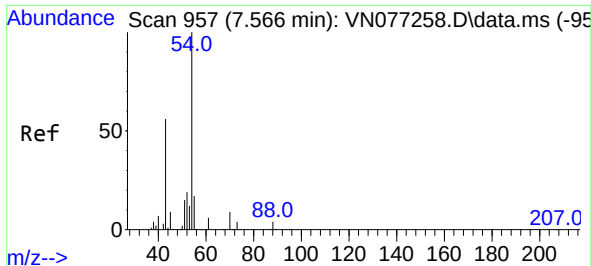
Tgt Ion:113 Resp: 301151
Ion Ratio Lower Upper
113 100
111 105.4 83.4 125.0
192 16.7 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.778 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.142 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

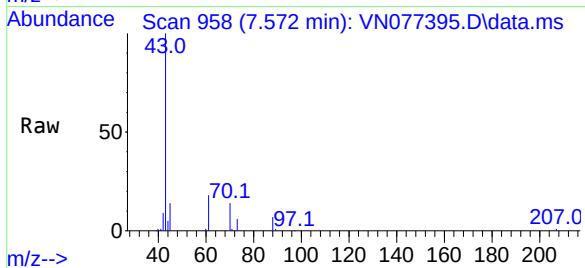
Tgt Ion: 75 Resp: 46331
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 25.0 37.4#



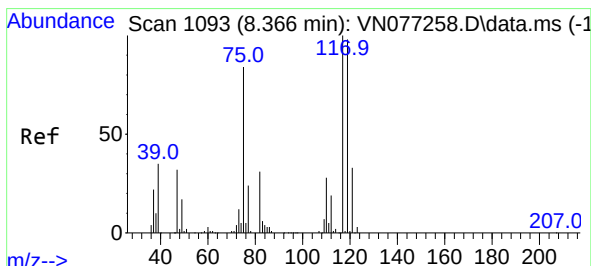
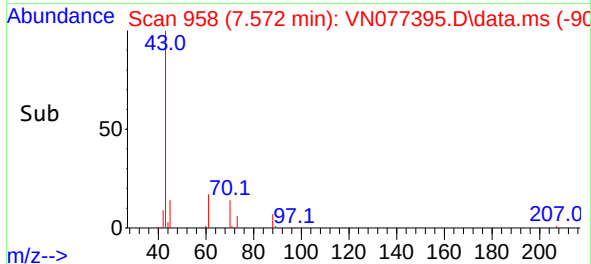
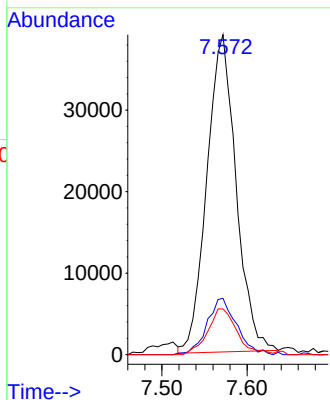


#37
Ethyl Acetate
Concen: 10.706 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

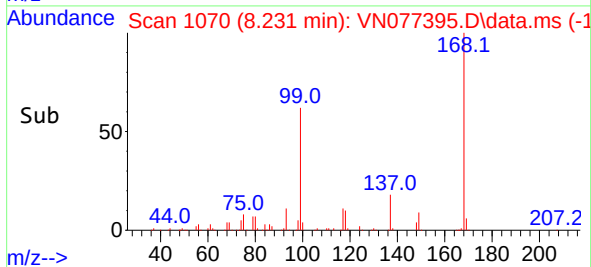
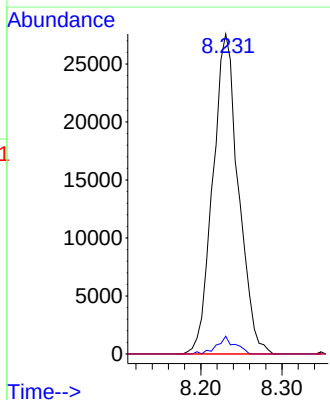
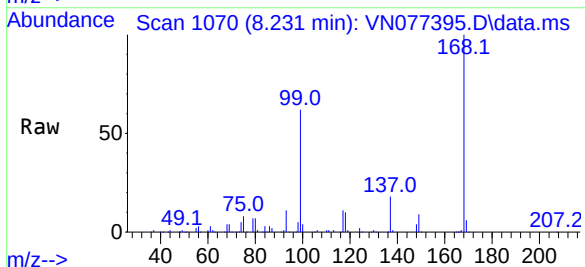


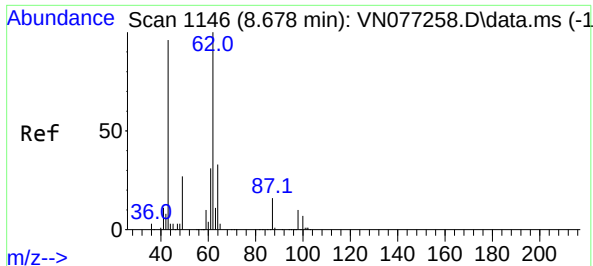
Tgt Ion: 43 Resp: 92886
Ion Ratio Lower Upper
43 100
61 17.9 12.2 18.2
70 14.5 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.089 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Tgt Ion: 117 Resp: 60490
Ion Ratio Lower Upper
117 100
119 5.6 78.5 117.7#
121 0.0 26.6 40.0#

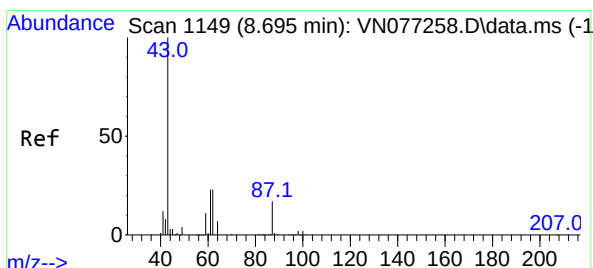
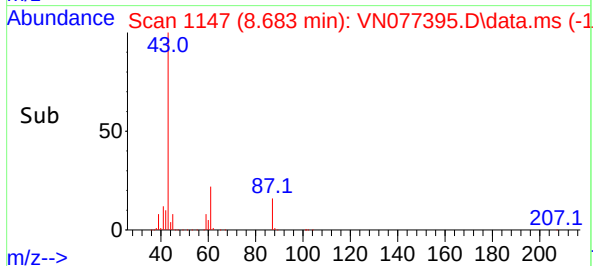
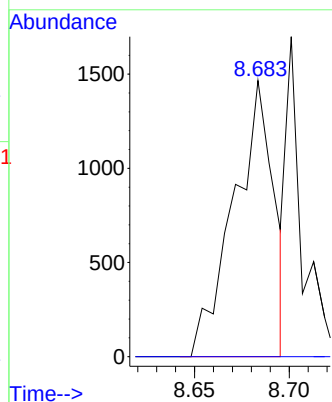
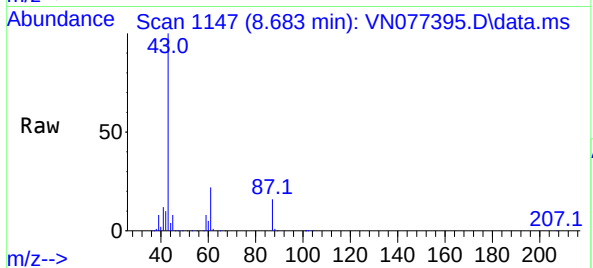




#42
1,2-Dichloroethane
Concen: 0.232 ug/l
RT: 8.683 min Scan# 1146
Delta R.T. 0.005 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

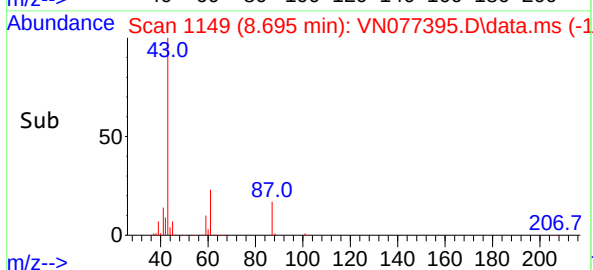
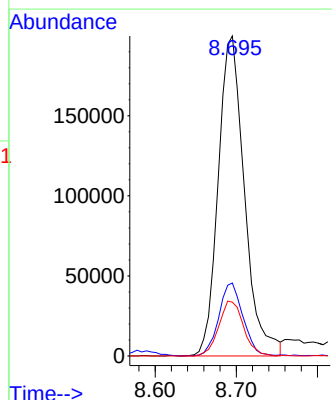
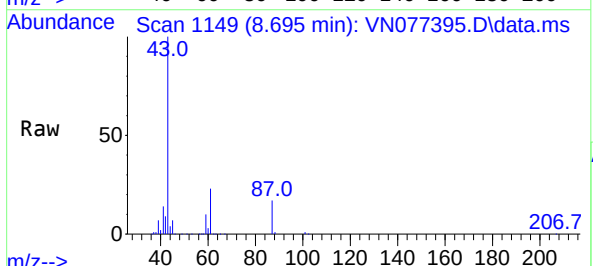
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

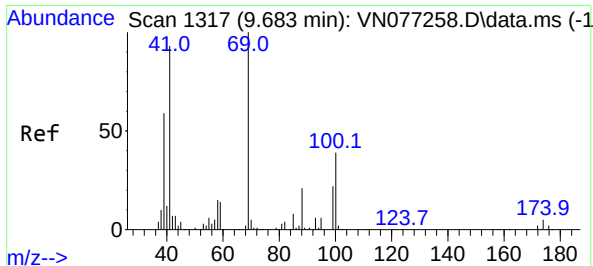
Tgt Ion: 62 Resp: 2156
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



#43
Isopropyl Acetate
Concen: 28.109 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Tgt Ion: 43 Resp: 450011
Ion Ratio Lower Upper
43 100
61 21.0 22.7 34.1#
87 16.2 13.6 20.4

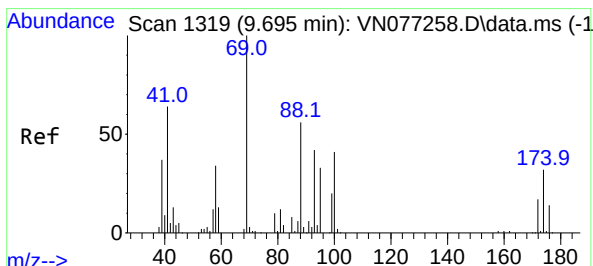
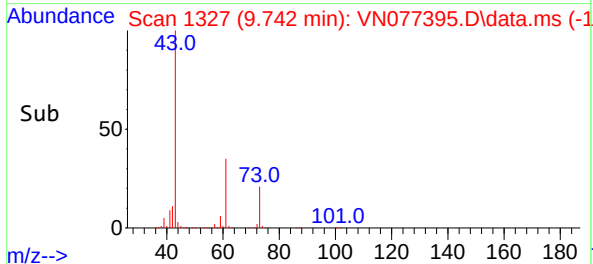
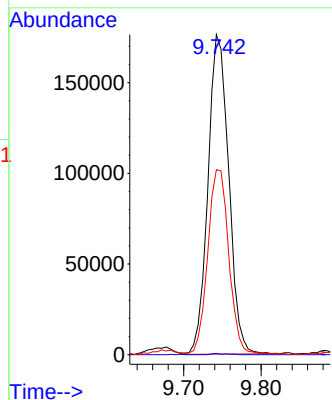
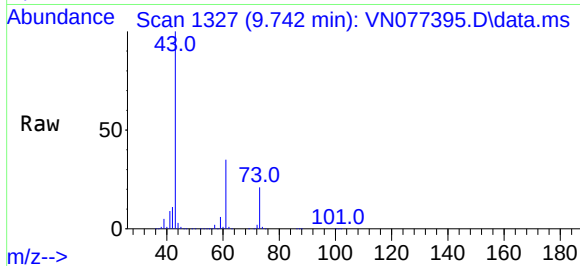




#48
Methyl methacrylate
Concen: 47.935 ug/l
RT: 9.742 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

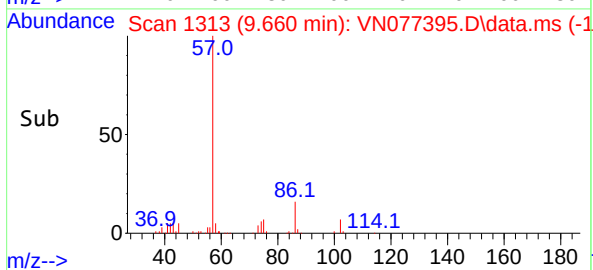
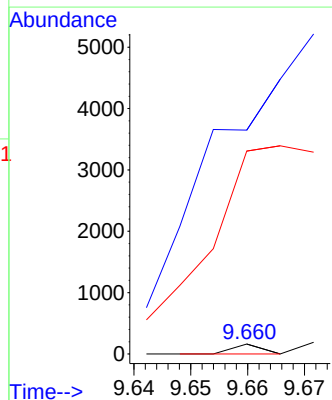
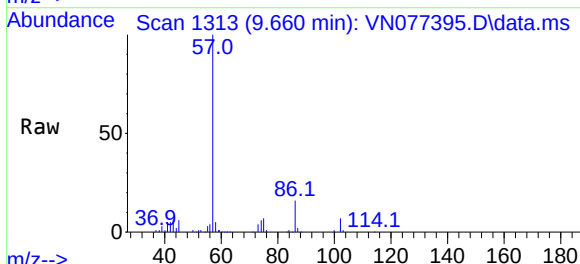
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

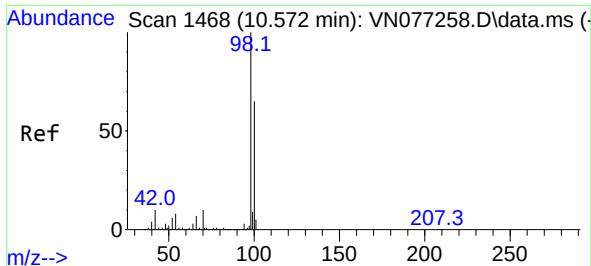
Tgt Ion: 41 Resp: 327369
Ion Ratio Lower Upper
41 100
69 0.3 85.0 127.6#
39 59.3 53.5 80.3



#49
1,4-Dioxane
Concen: 0.344 ug/l
RT: 9.660 min Scan# 1313
Delta R.T. -0.035 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 15214.0 49.8 74.6#

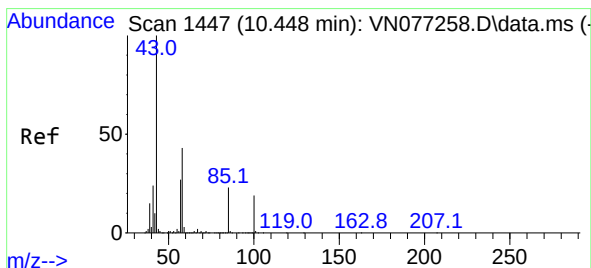
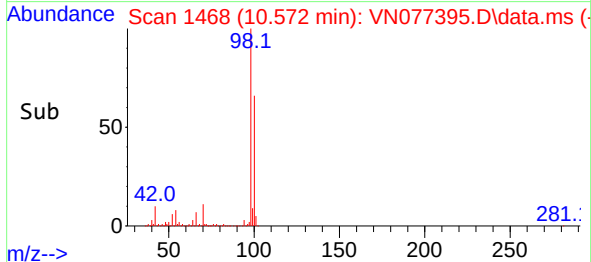
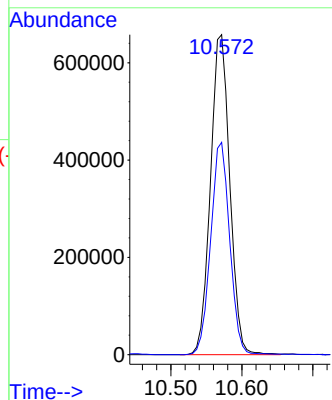
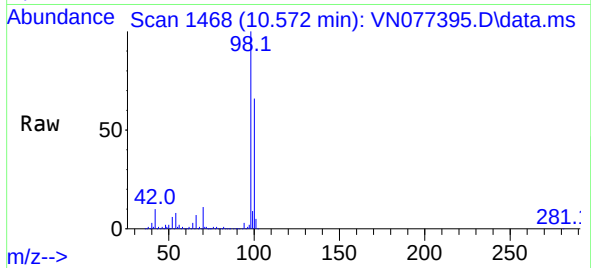




#50
Toluene-d8
Concen: 47.046 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

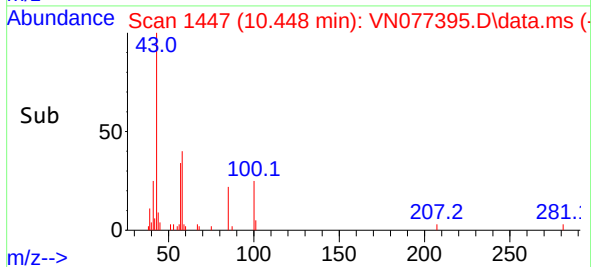
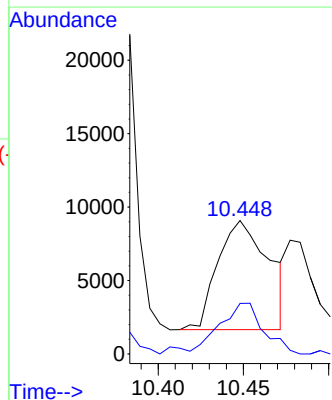
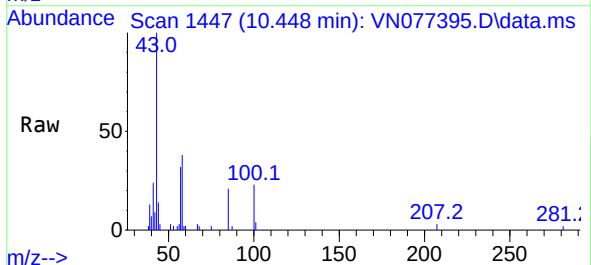
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

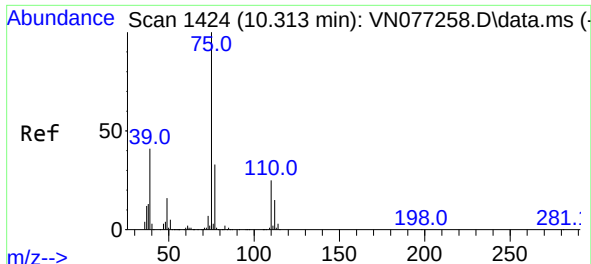
Tgt Ion: 98 Resp: 1241736
Ion Ratio Lower Upper
98 100
100 65.4 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.669 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Tgt Ion: 43 Resp: 15446
Ion Ratio Lower Upper
43 100
58 42.3 34.6 52.0

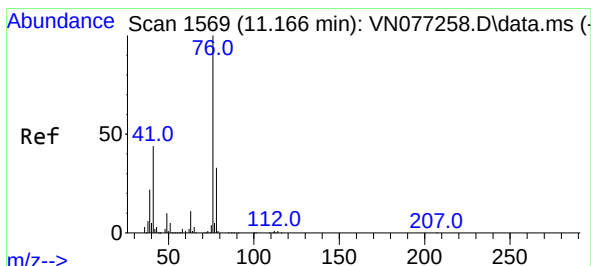
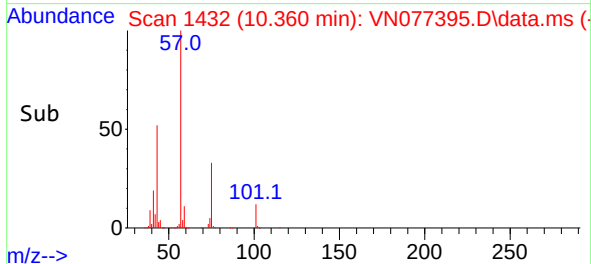
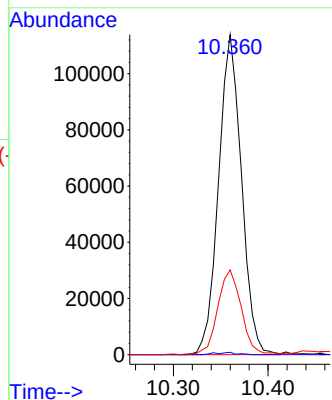
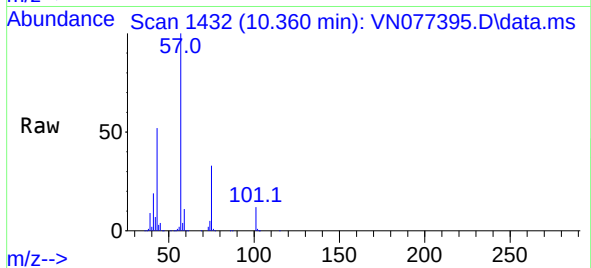




#54
cis-1,3-Dichloropropene
Concen: 15.321 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

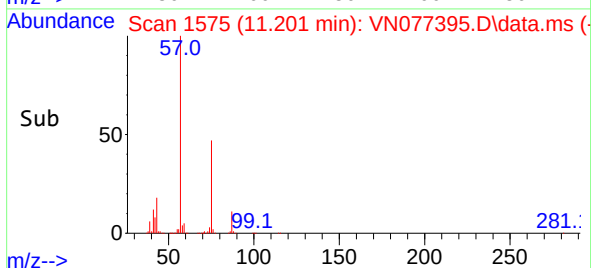
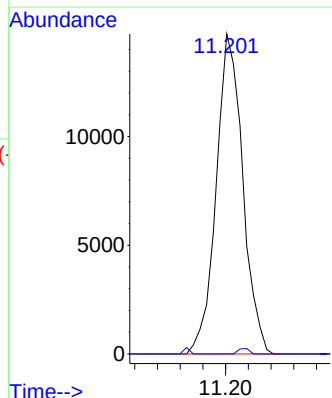
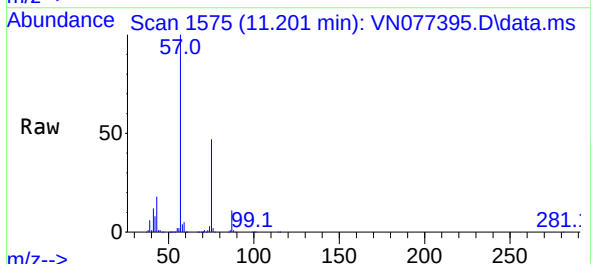
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

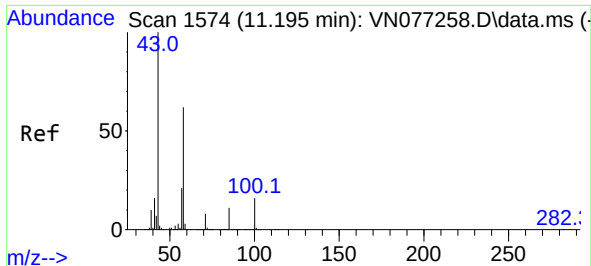
Tgt Ion: 75 Resp: 191705
Ion Ratio Lower Upper
75 100
77 0.8 26.7 40.1#
39 26.5 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.861 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Tgt Ion: 76 Resp: 23898
Ion Ratio Lower Upper
76 100
78 0.7 26.2 39.4#

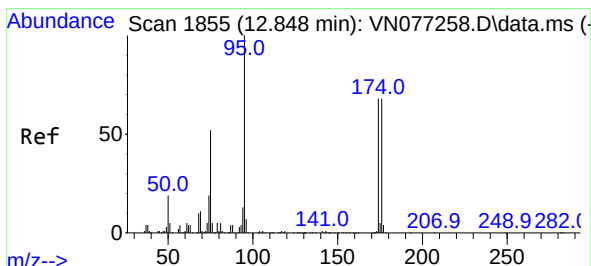
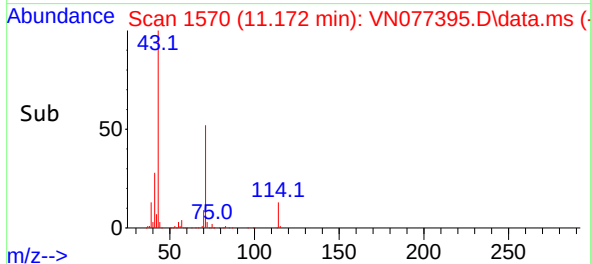
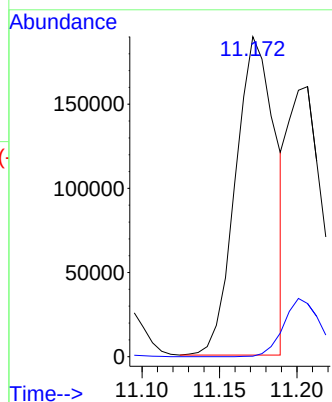
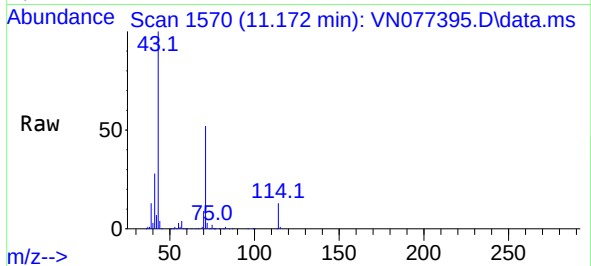




#59
2-Hexanone
Concen: 48.796 ug/l
RT: 11.172 min Scan# 11170
Delta R.T. -0.024 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

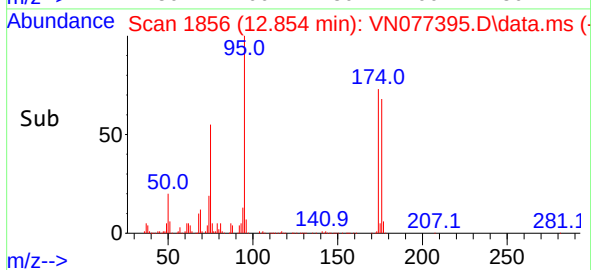
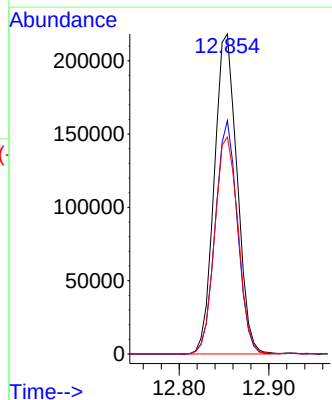
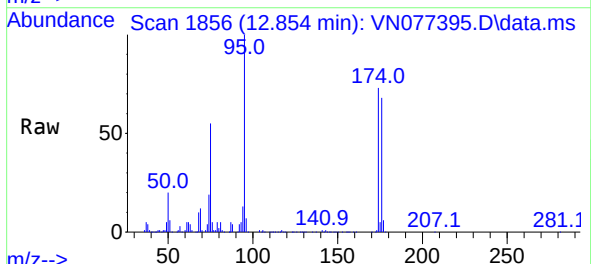
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

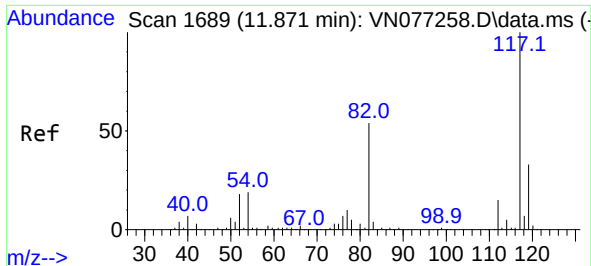
Tgt Ion: 43 Resp: 336402
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 43.891 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Tgt Ion: 95 Resp: 385289
Ion Ratio Lower Upper
95 100
174 70.6 0.0 146.8
176 69.8 0.0 139.6

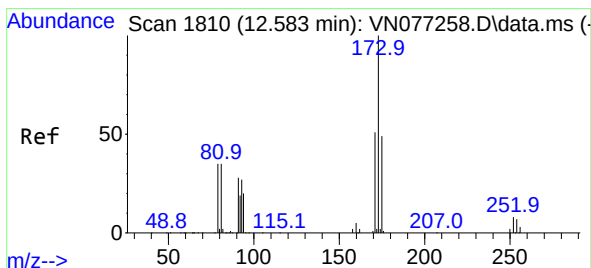
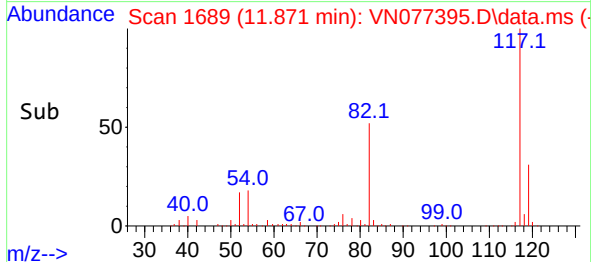
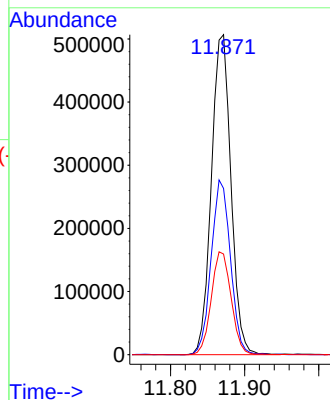
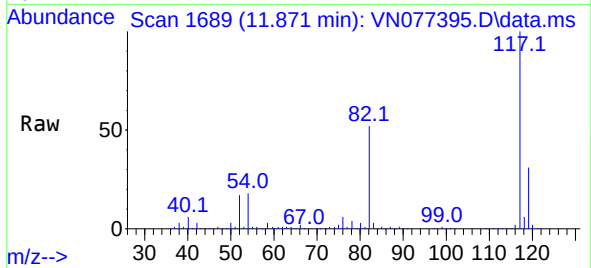




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

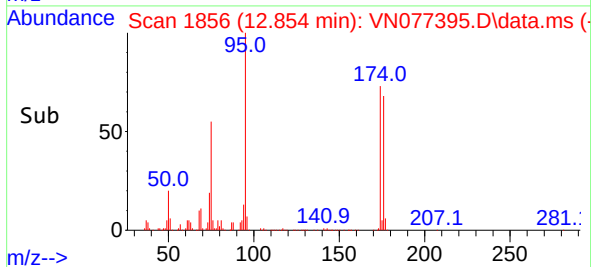
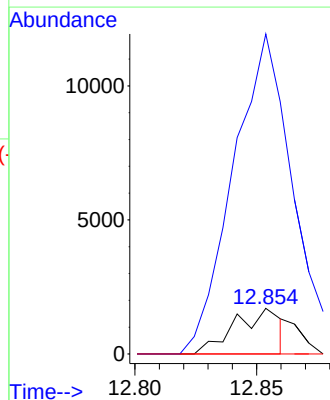
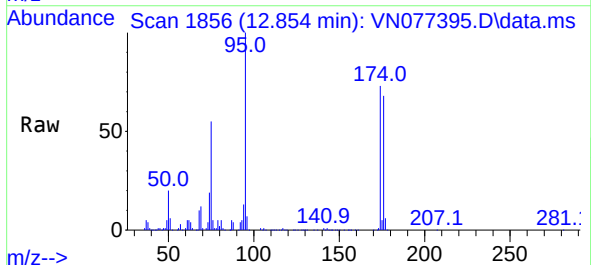
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

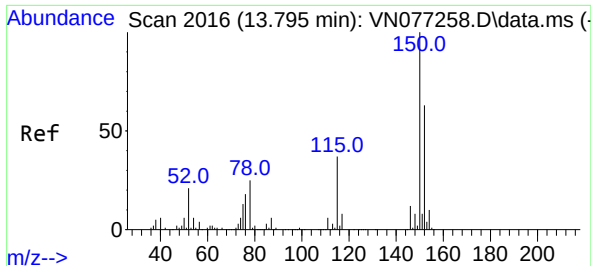
Tgt Ion:117 Resp: 928792
Ion Ratio Lower Upper
117 100
82 51.9 42.9 64.3
119 31.5 26.2 39.4



#71
Bromoform
Concen: 0.413 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

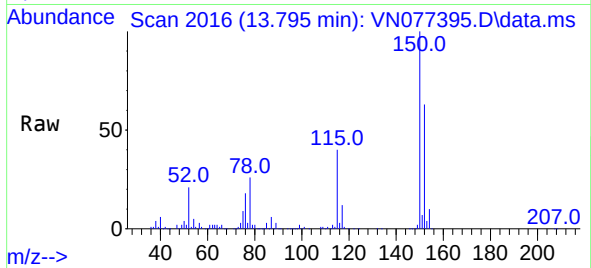
Tgt Ion:173 Resp: 2247
Ion Ratio Lower Upper
173 100
175 728.7 24.1 72.4#
254 0.0 0.1 0.1#



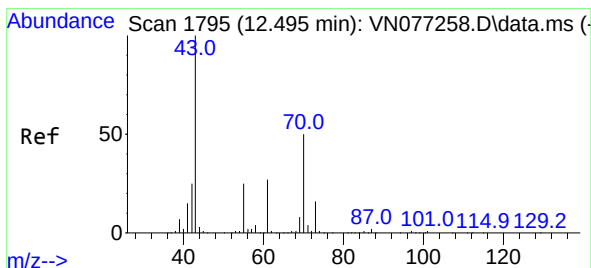
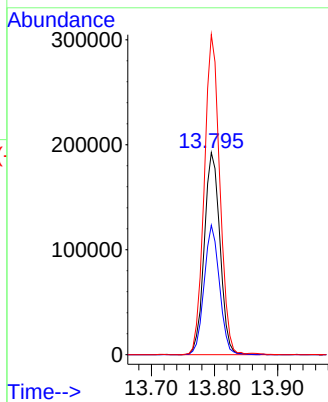
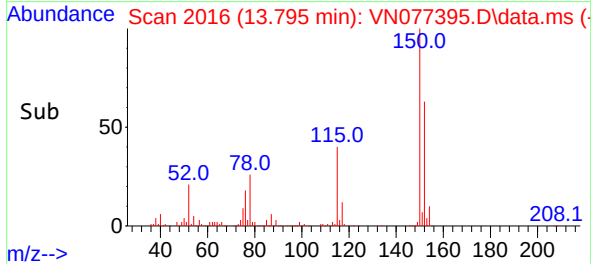


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

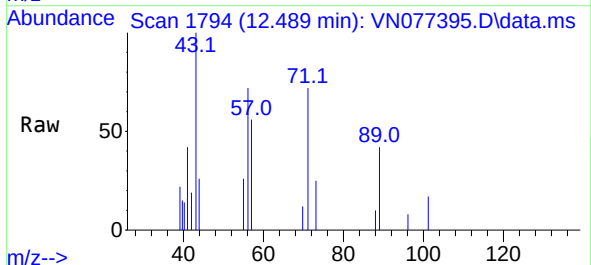
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17



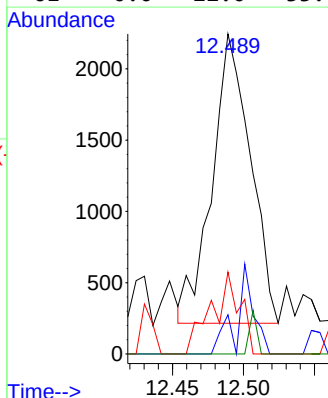
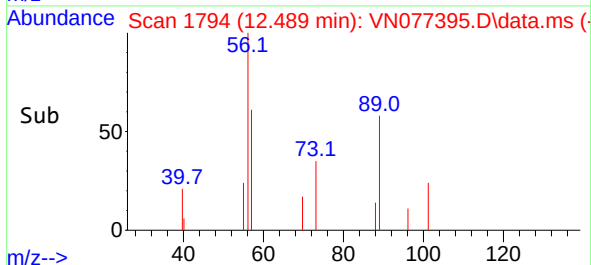
Tgt Ion:152 Resp: 331717
Ion Ratio Lower Upper
152 100
115 62.6 32.1 96.3
150 156.7 0.0 354.8

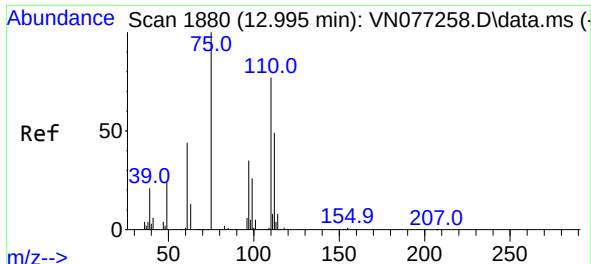


#74
N-ethyl acetate
Concen: 0.312 ug/l
RT: 12.489 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08



Tgt Ion: 43 Resp: 3804
Ion Ratio Lower Upper
43 100
70 14.0 41.0 61.6#
55 21.1 19.3 28.9
61 0.0 22.0 33.0#

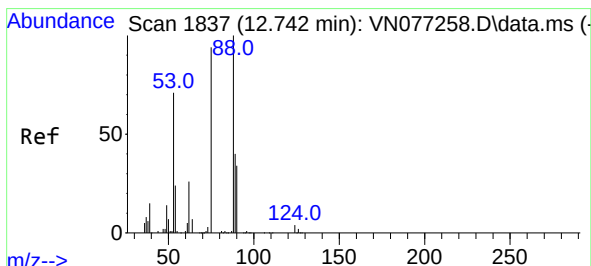
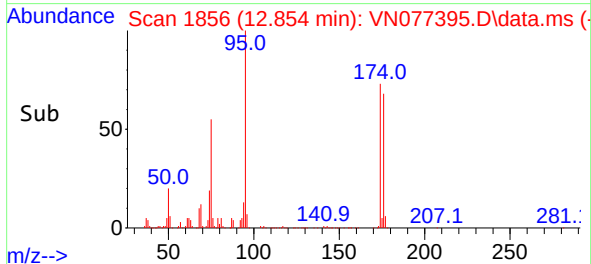
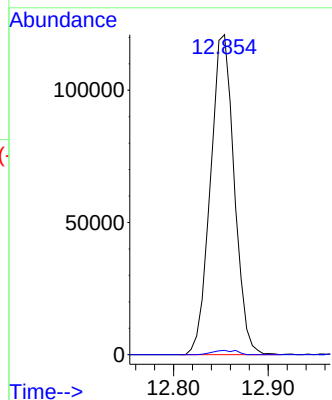
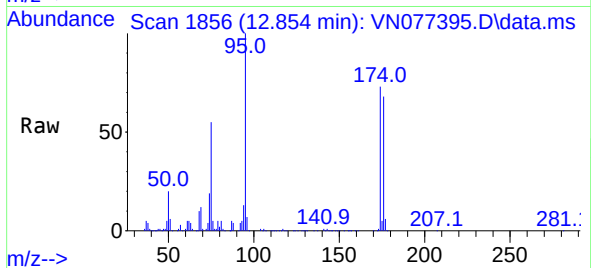




#76
1,2,3-Trichloropropane
Concen: 26.772 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

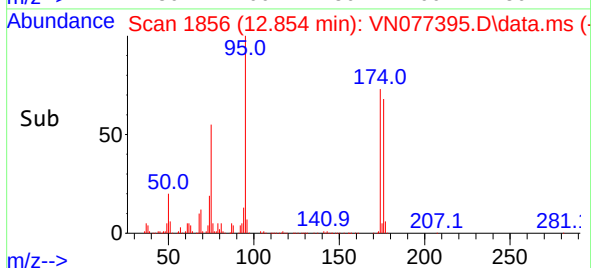
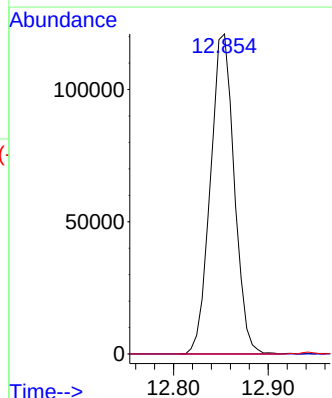
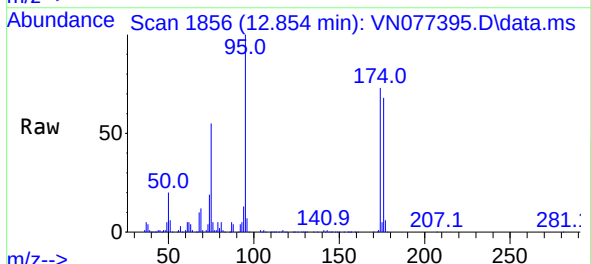
Instrument : MSVOA_N
ClientSampleId : PB152199ZHE#17

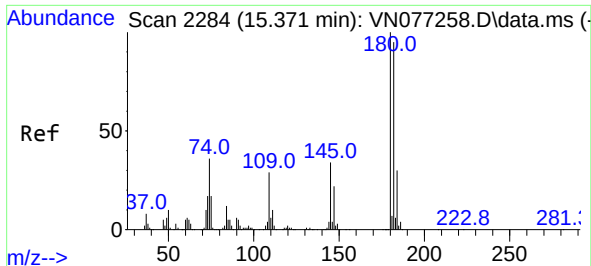
Tgt Ion: 75 Resp: 211474
Ion Ratio Lower Upper
75 100
77 1.4 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.246 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

Tgt Ion: 75 Resp: 211474
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

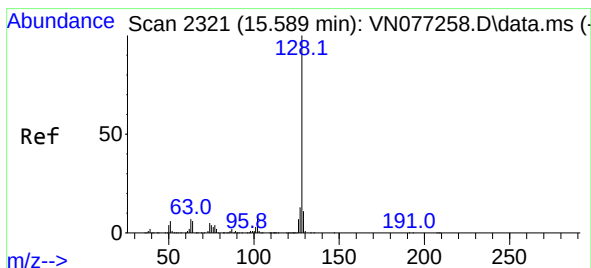
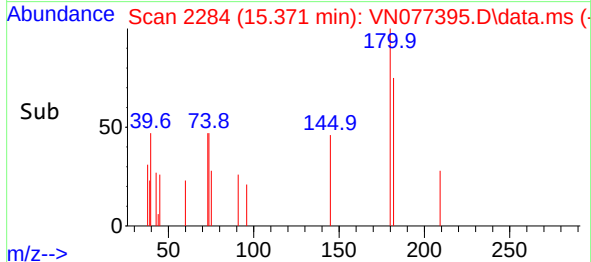
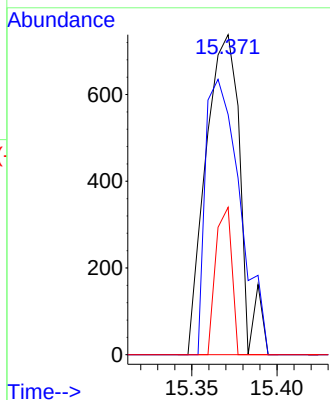
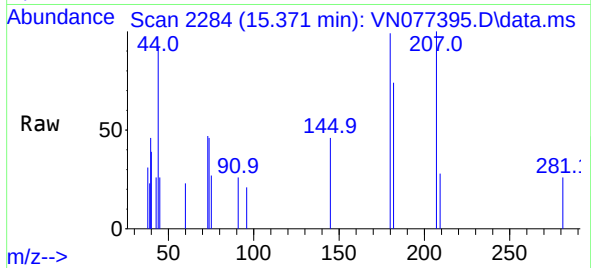




#93
1,2,4-Trichlorobenzene
Concen: 0.238 ug/l
RT: 15.371 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

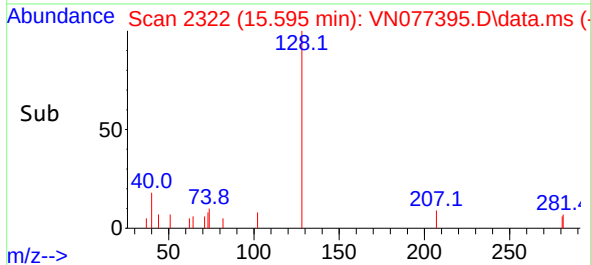
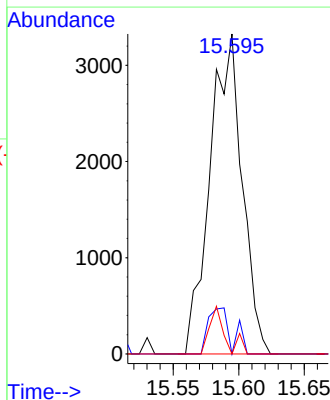
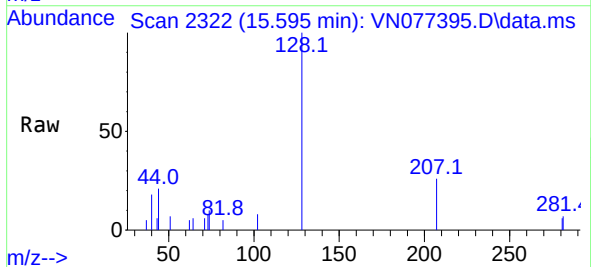
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#17

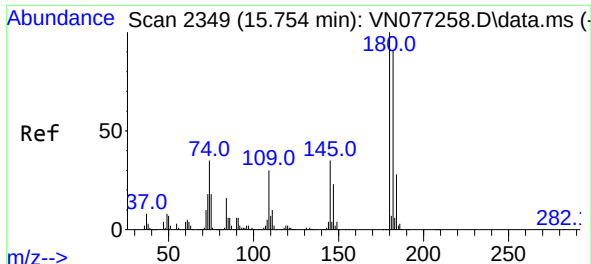
Tgt Ion:	180	Resp:	1040
Ion	Ratio	Lower	Upper
180	100		
182	86.2	46.7	140.0
145	21.5	16.6	49.8



#95
Naphthalene
Concen: 0.346 ug/l
RT: 15.595 min Scan# 2322
Delta R.T. 0.006 min
Lab File: VN077395.D
Acq: 20 Apr 2023 13:08

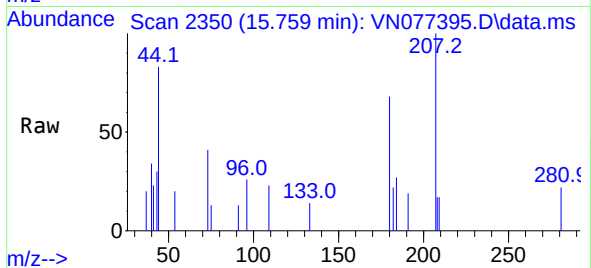
Tgt Ion:	128	Resp:	5685
Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.2	15.4
129	7.2	8.9	13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.258 ug/l
 RT: 15.759 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: VN077395.D
 Acq: 20 Apr 2023 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#17



Tgt Ion:	180	Resp:	1080
Ion	Ratio	Lower	Upper
180	100		
182	87.1	46.9	140.8
145	39.1	17.6	52.8

