

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077379.D
 Acq On : 19 Apr 2023 16:46
 Operator : JC\MD
 Sample : PB152199ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#07

Quant Time: Apr 20 04:26:55 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

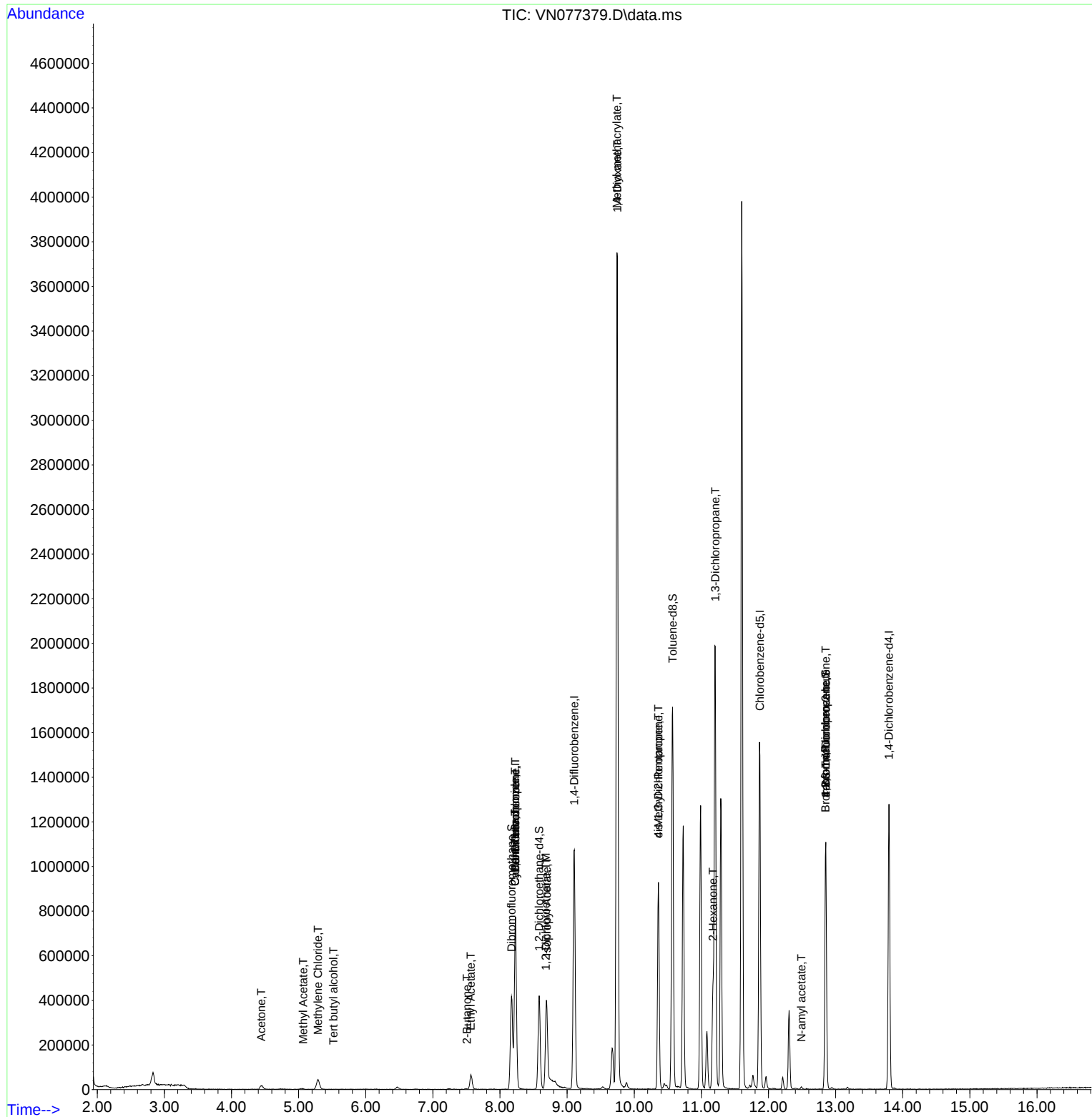
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.231	168	542226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1011885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	938744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	334584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	333553	45.009	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.020%		
35) Dibromofluoromethane	8.172	113	303557	46.861	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.720%		
50) Toluene-d8	10.572	98	1254735	48.116	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.240%		
62) 4-Bromofluorobenzene	12.854	95	391014	45.084	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.160%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.519	59	755	0.499	ug/l #	73
16) Acetone	4.443	43	32972	12.067	ug/l #	86
18) Methyl Acetate	5.066	43	8670	0.833	ug/l	91
20) Methylene Chloride	5.290	84	38890	5.040	ug/l	95
25) 2-Butanone	7.507	43	3243	0.731	ug/l #	88
31) Cyclohexane	8.225	56	13129	1.140	ug/l #	15
36) 1,1-Dichloropropene	8.231	75	44608	4.656	ug/l #	49
37) Ethyl Acetate	7.566	43	92152	10.750	ug/l	97
38) Carbon Tetrachloride	8.225	117	59733	6.085	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	1851	0.201	ug/l #	73
43) Isopropyl Acetate	8.695	43	495535	31.329	ug/l #	86
48) Methyl methacrylate	9.742	41	323986	48.016	ug/l #	33
49) 1,4-Dioxane	9.748	88	549	3.356	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	312313	34.160	ug/l #	43
54) cis-1,3-Dichloropropene	10.360	75	192181	15.546	ug/l #	59
57) 1,3-Dichloropropane	11.207	76	23725	1.870	ug/l #	42
59) 2-Hexanone	11.172	43	336103	49.345	ug/l #	20
71) Bromoform	12.848	173	1680	0.305	ug/l #	1
74) N-amyl acetate	12.489	43	4143	0.336	ug/l #	47
76) 1,2,3-Trichloropropane	12.854	75	208735	26.199	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	208735	58.956	ug/l #	13

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

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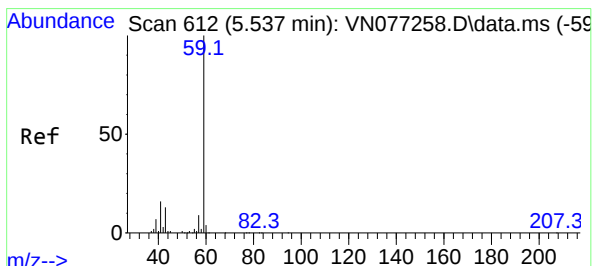
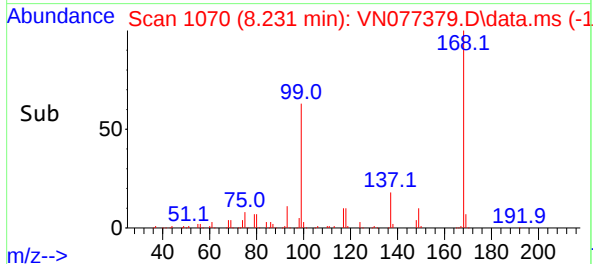
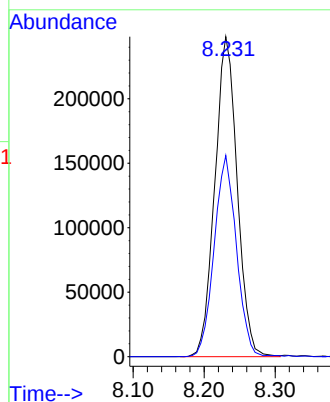
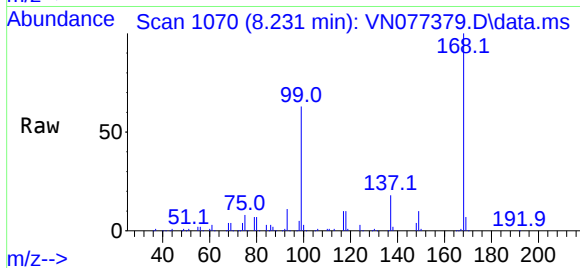




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

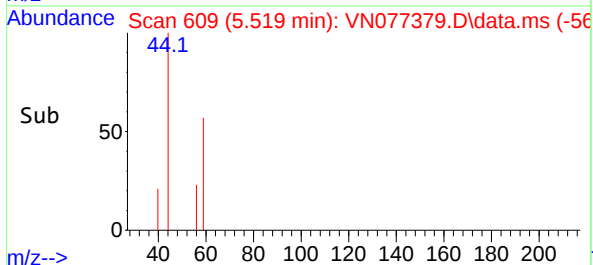
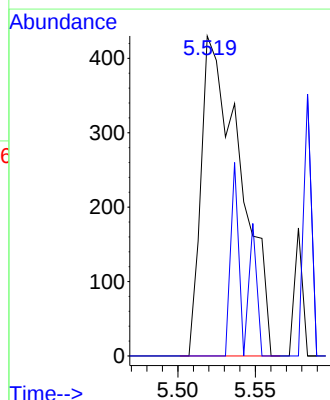
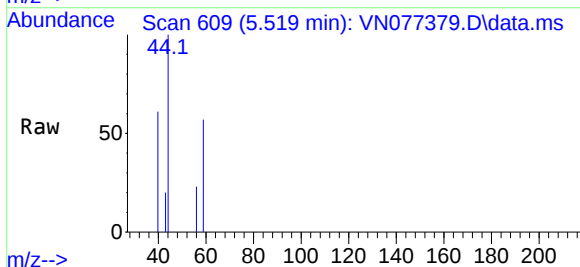
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#07

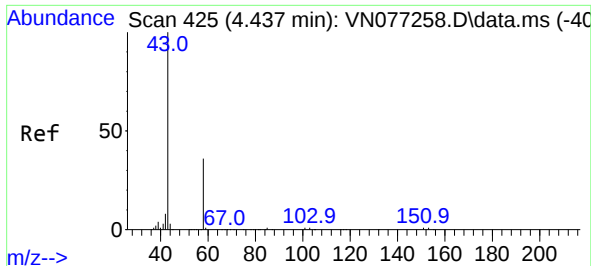
Tgt Ion:168 Resp: 542226
Ion Ratio Lower Upper
168 100
99 62.8 50.6 75.8



#11
Tert butyl alcohol
Concen: 0.499 ug/l
RT: 5.519 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Tgt Ion: 59 Resp: 755
Ion Ratio Lower Upper
59 100
57 20.5 8.3 12.5#

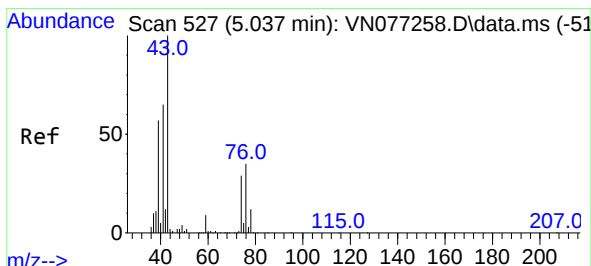
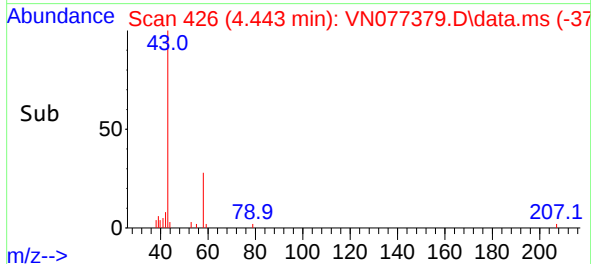
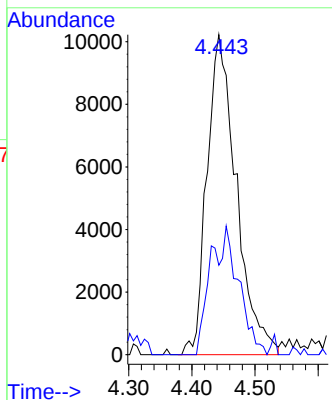
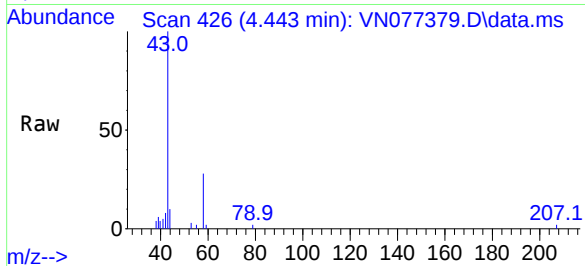




#16
Acetone
Concen: 12.067 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

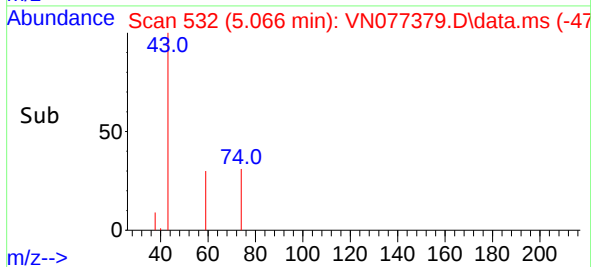
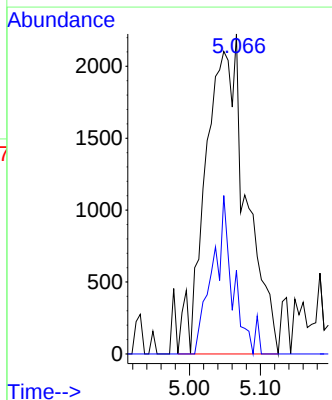
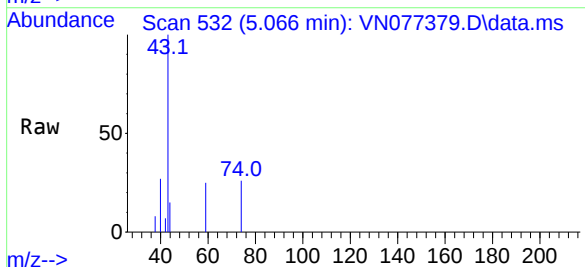
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#07

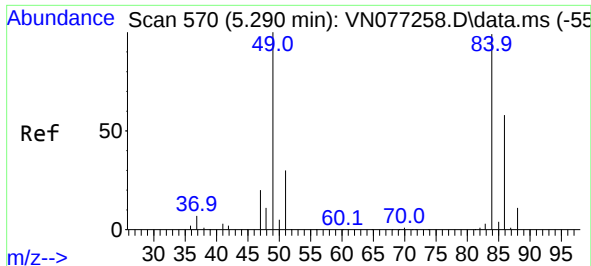
Tgt Ion: 43 Resp: 32972
Ion Ratio Lower Upper
43 100
58 28.0 29.0 43.6#



#18
Methyl Acetate
Concen: 0.833 ug/l
RT: 5.066 min Scan# 532
Delta R.T. 0.029 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

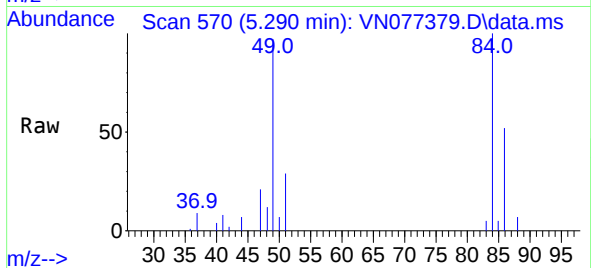
Tgt Ion: 43 Resp: 8670
Ion Ratio Lower Upper
43 100
74 24.3 23.4 35.2





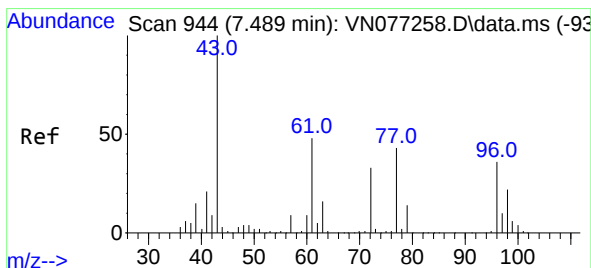
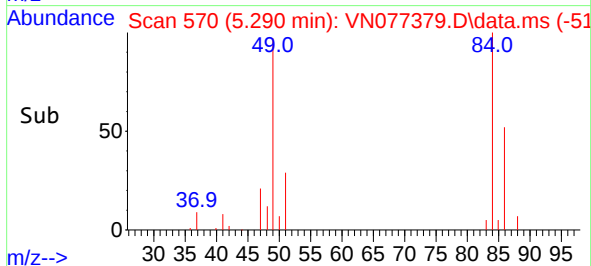
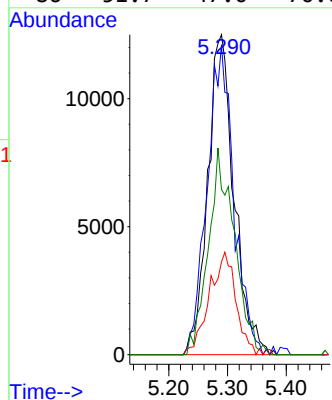
#20
Methylene Chloride
Concen: 5.040 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 84 Resp: 38890

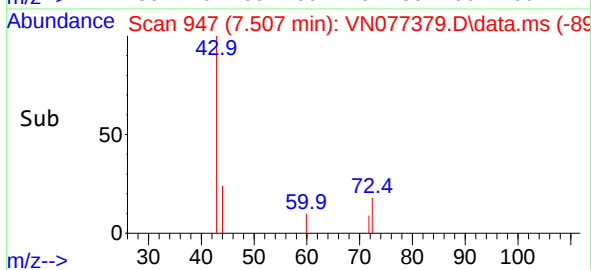
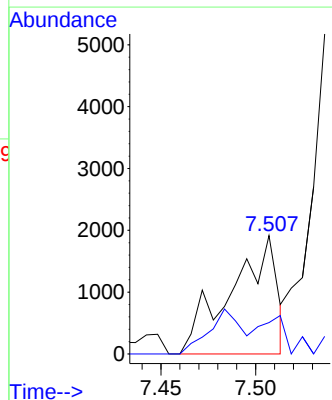
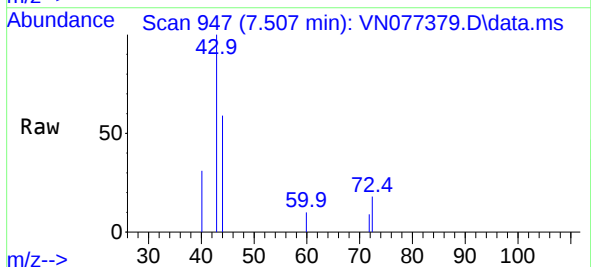
Ion	Ratio	Lower	Upper
84	100		
49	96.8	80.6	121.0
51	28.9	24.4	36.6
86	51.7	47.0	70.6

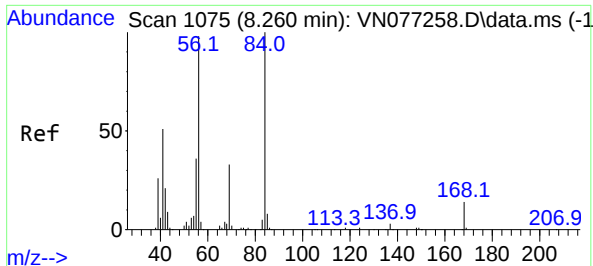


#25
2-Butanone
Concen: 0.731 ug/l
RT: 7.507 min Scan# 947
Delta R.T. 0.018 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Tgt Ion: 43 Resp: 3243

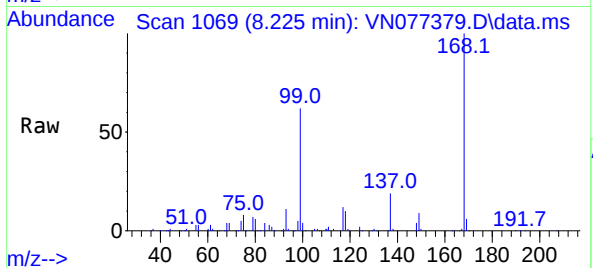
Ion	Ratio	Lower	Upper
43	100		
72	26.5	26.6	39.8#



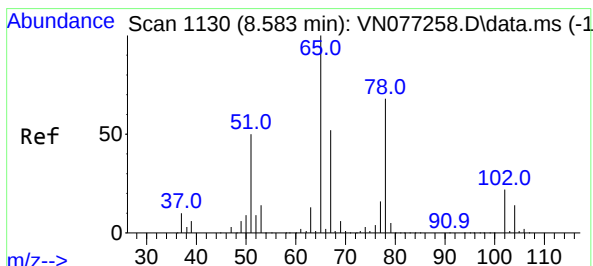
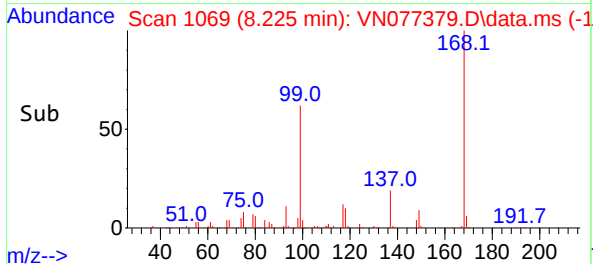
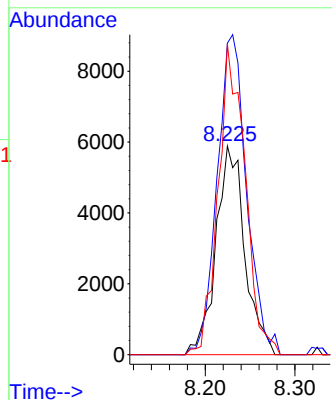


#31
Cyclohexane
Concen: 1.140 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

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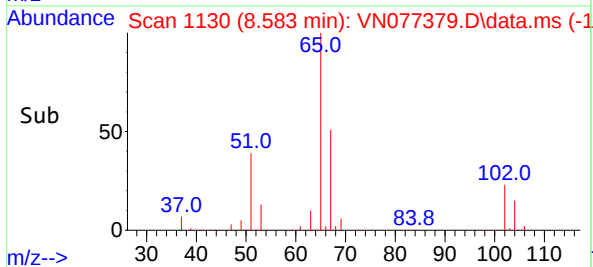
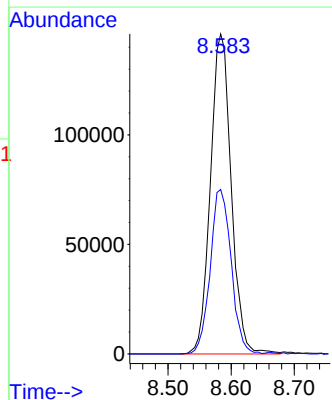
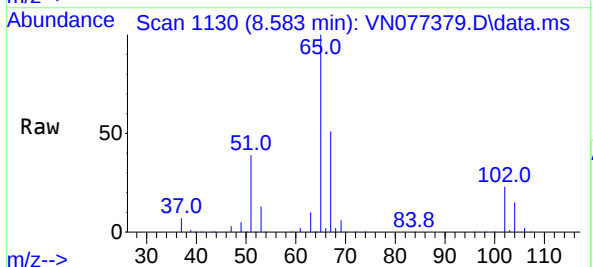


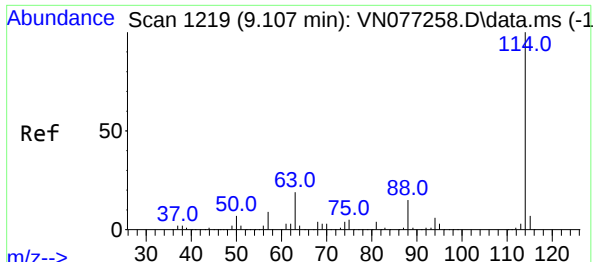
Tgt Ion: 56 Resp: 13129
Ion Ratio Lower Upper
56 100
69 149.2 26.6 40.0#
84 148.9 81.8 122.8#



#33
1,2-Dichloroethane-d4
Concen: 45.009 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Tgt Ion: 65 Resp: 333553
Ion Ratio Lower Upper
65 100
67 51.9 0.0 108.8

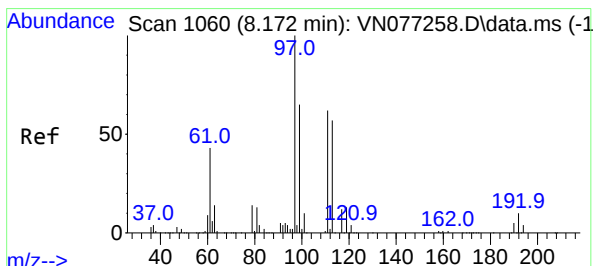
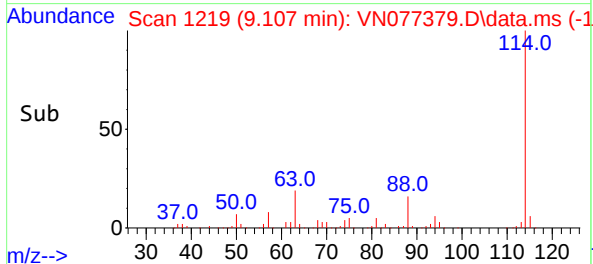
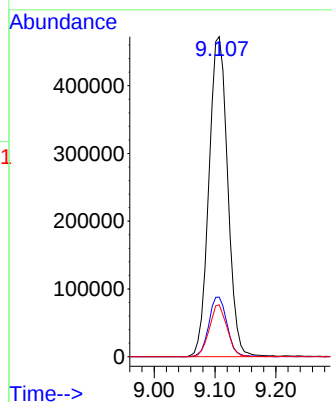
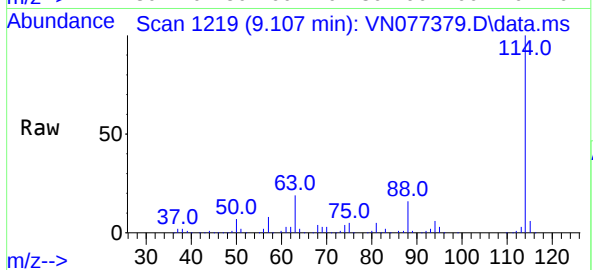




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

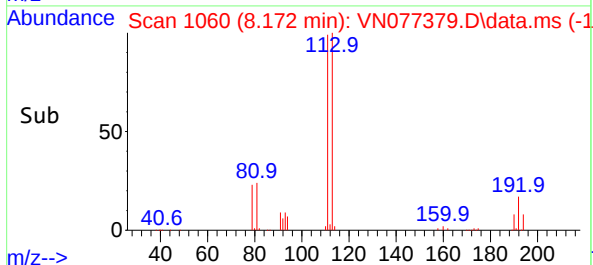
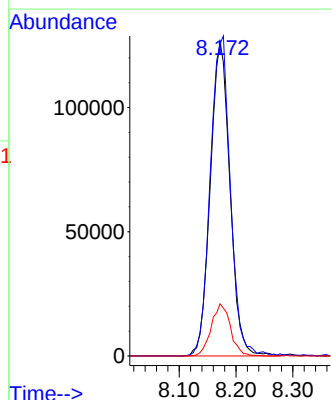
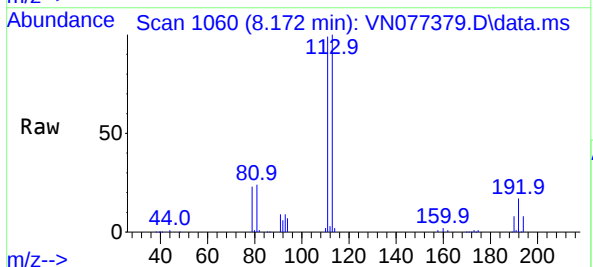
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#07

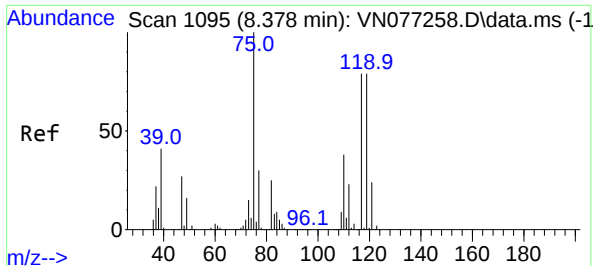
Tgt Ion:114 Resp: 1011885
Ion Ratio Lower Upper
114 100
63 18.6 0.0 37.8
88 16.2 0.0 29.4



#35
Dibromofluoromethane
Concen: 46.861 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Tgt Ion:113 Resp: 303557
Ion Ratio Lower Upper
113 100
111 103.8 83.4 125.0
192 16.2 13.5 20.3

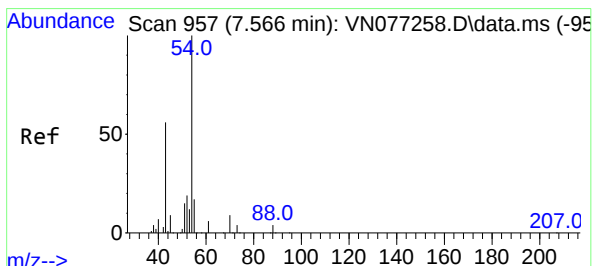
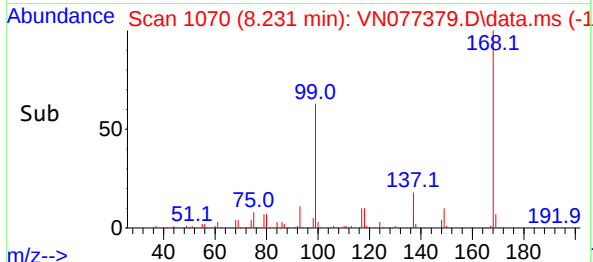
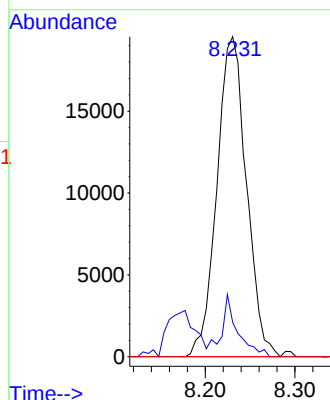
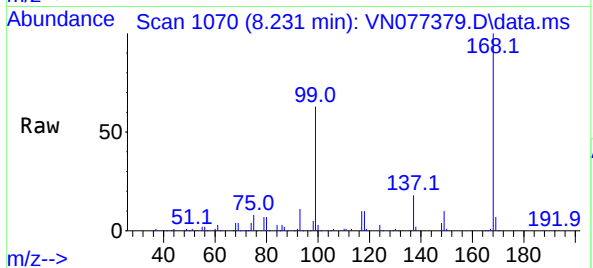




#36
1,1-Dichloropropene
Concen: 4.656 ug/l
RT: 8.231 min Scan# 1095
Delta R.T. -0.147 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

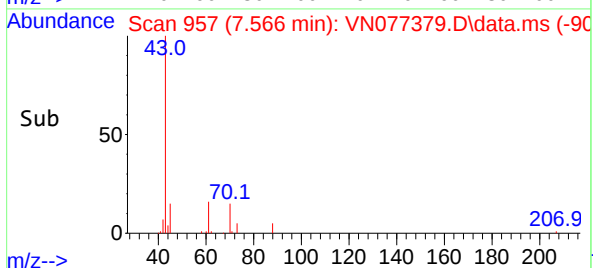
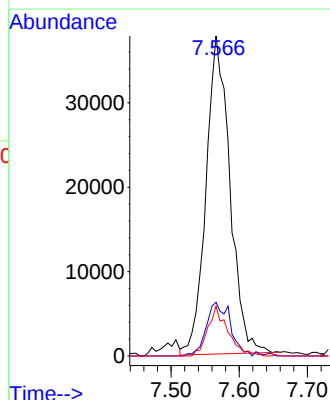
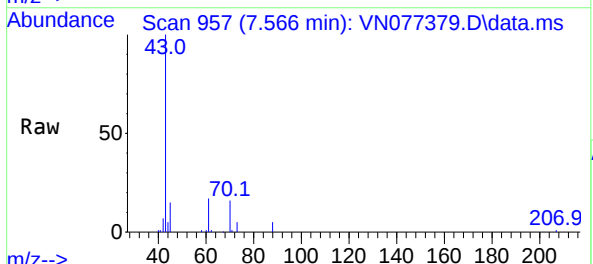
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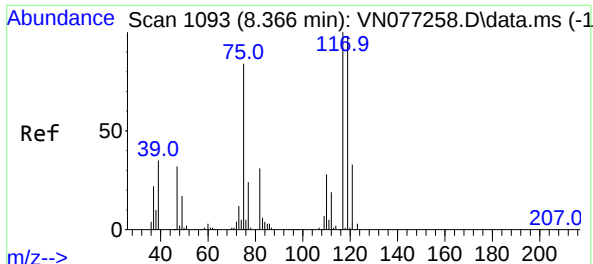
Tgt Ion: 75 Resp: 44608
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 10.750 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

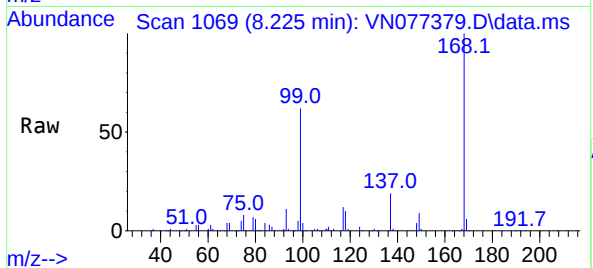
Tgt Ion: 43 Resp: 92152
Ion Ratio Lower Upper
43 100
61 16.9 12.2 18.2
70 13.2 10.0 15.0



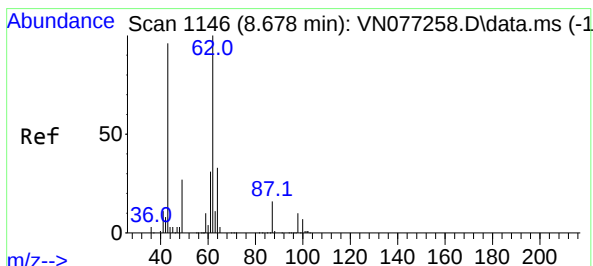
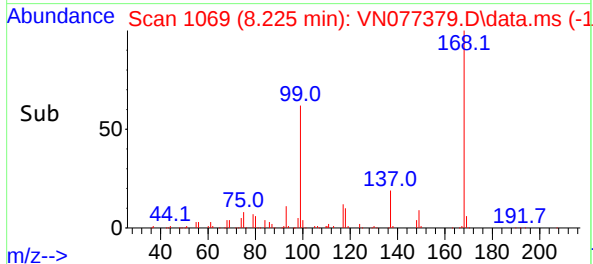
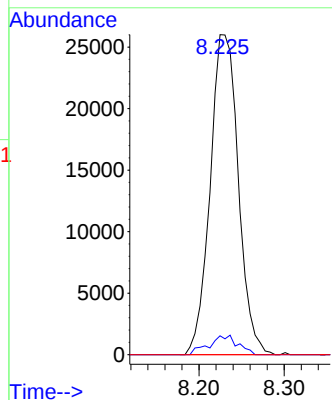


#38
Carbon Tetrachloride
Concen: 6.085 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.141 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#07

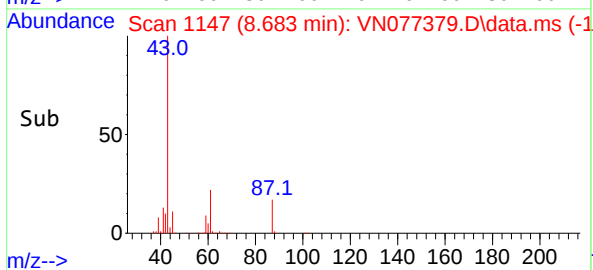
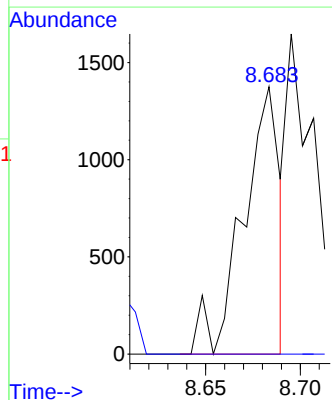
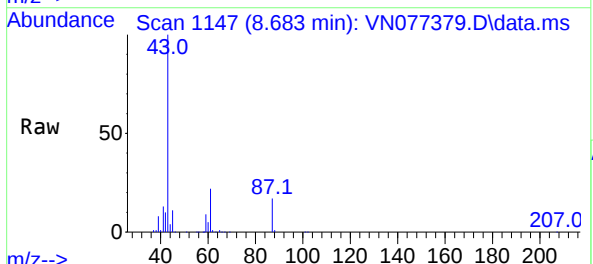


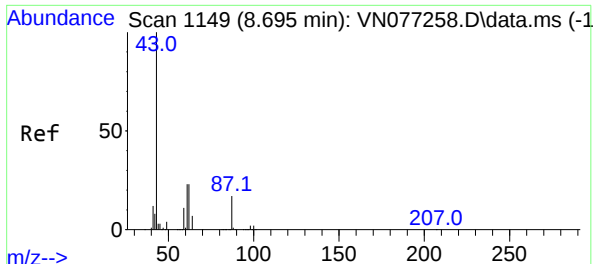
Tgt Ion:117 Resp: 59733
Ion Ratio Lower Upper
117 100
119 5.9 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.201 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Tgt Ion: 62 Resp: 1851
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

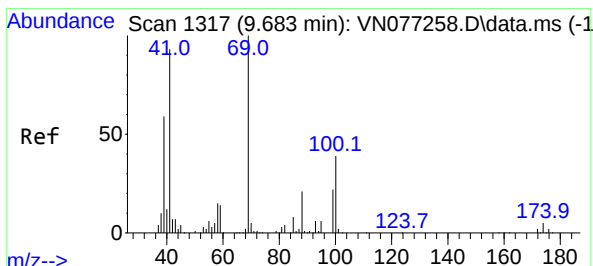
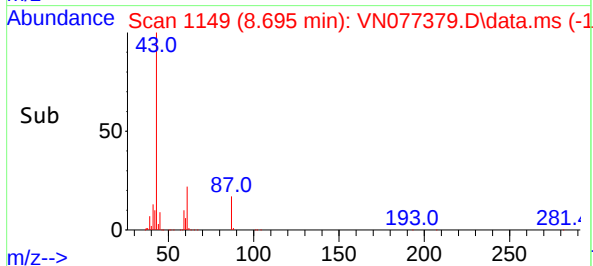
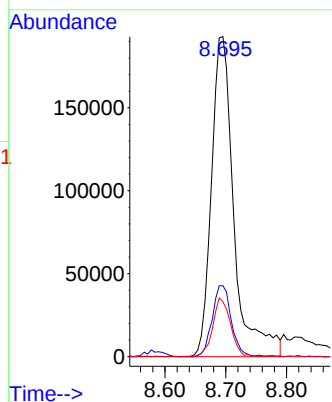
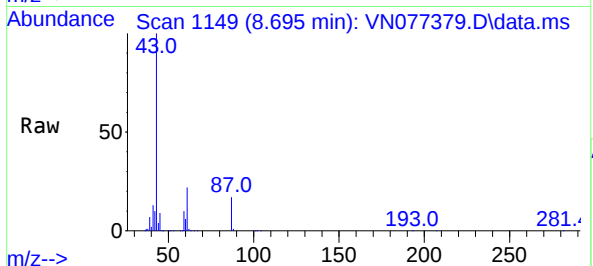




#43
Isopropyl Acetate
Concen: 31.329 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

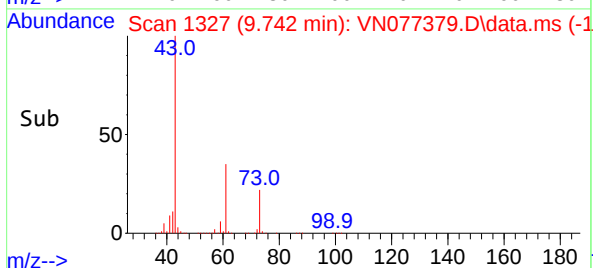
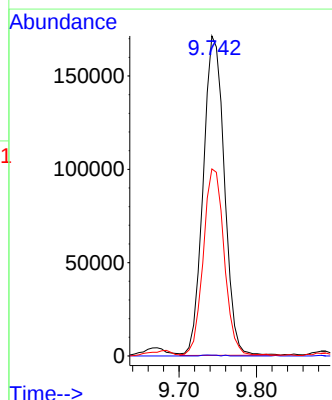
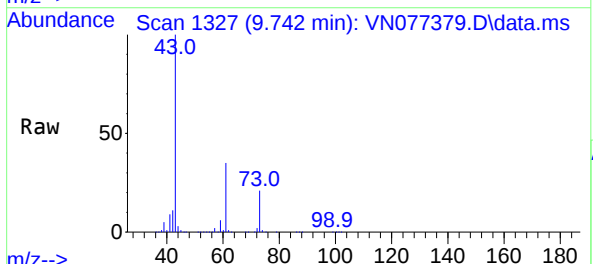
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#07

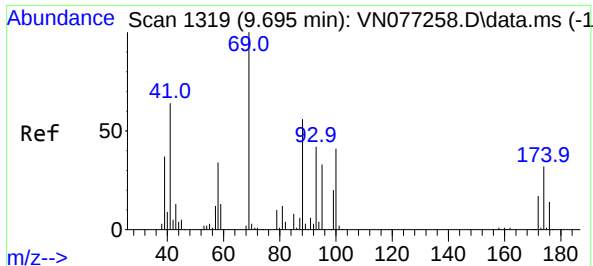
Tgt Ion: 43 Resp: 495535
Ion Ratio Lower Upper
43 100
61 18.7 22.7 34.1#
87 14.4 13.6 20.4



#48
Methyl methacrylate
Concen: 48.016 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.059 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Tgt Ion: 41 Resp: 323986
Ion Ratio Lower Upper
41 100
69 0.2 85.0 127.6#
39 57.7 53.5 80.3

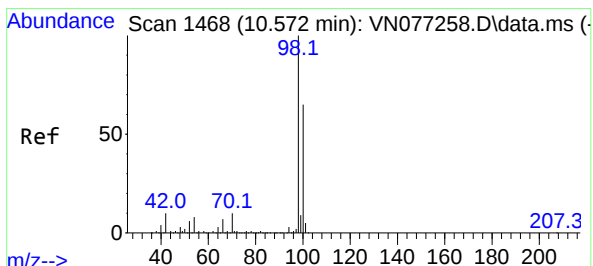
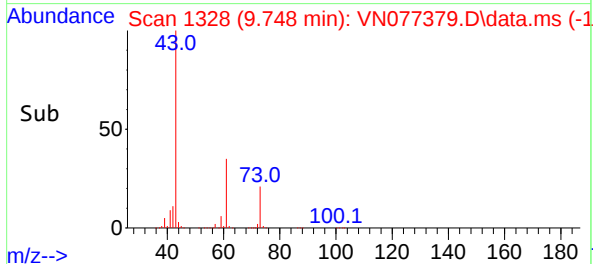
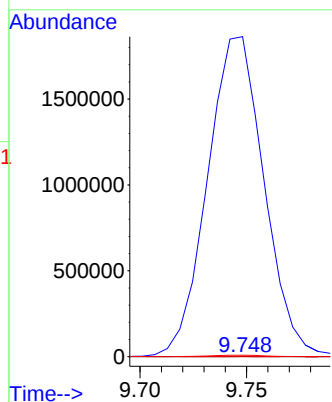
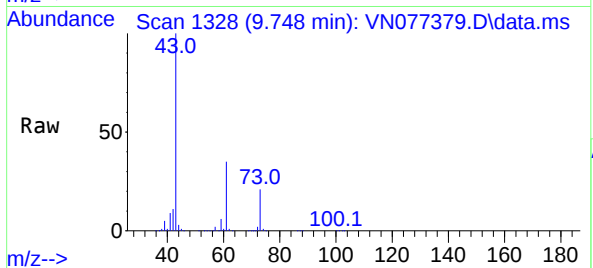




#49
1,4-Dioxane
Concen: 3.356 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.053 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

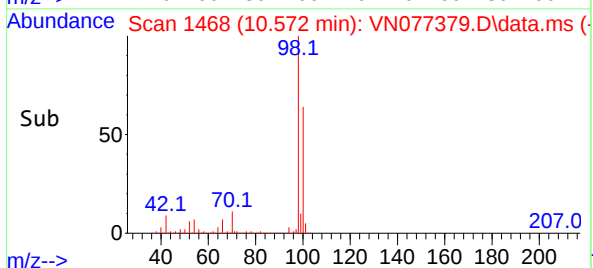
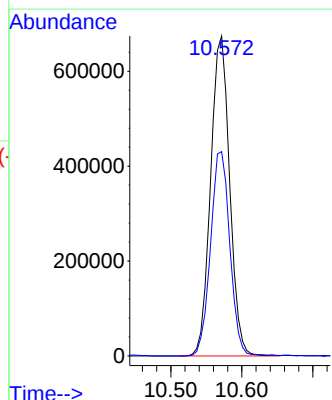
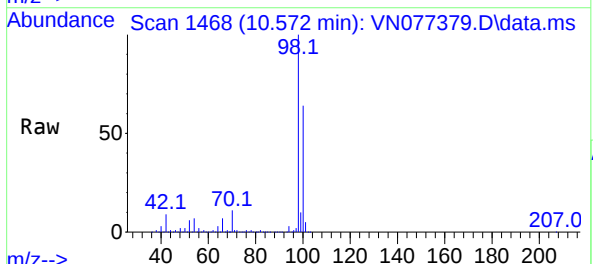
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#07

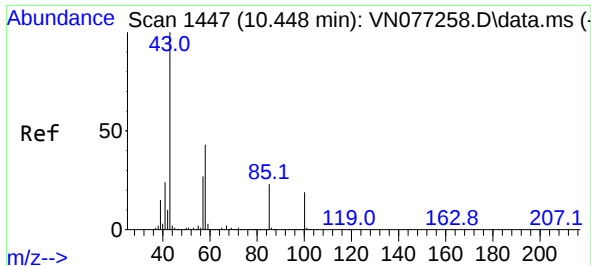
Tgt Ion: 88 Resp: 549
Ion Ratio Lower Upper
88 100
43 631283.4 17.0 25.6#
58 2912.9 49.8 74.6#



#50
Toluene-d8
Concen: 48.116 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Tgt Ion: 98 Resp: 1254735
Ion Ratio Lower Upper
98 100
100 64.6 51.3 76.9

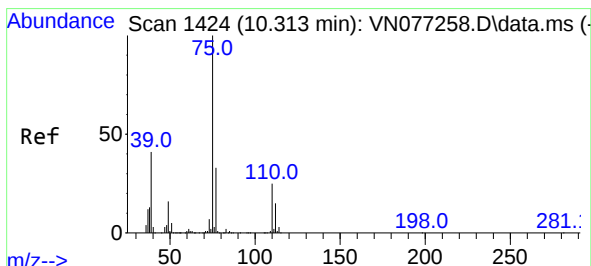
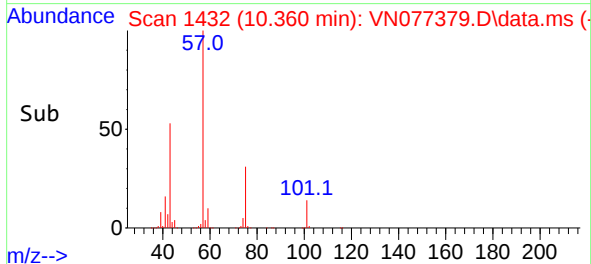
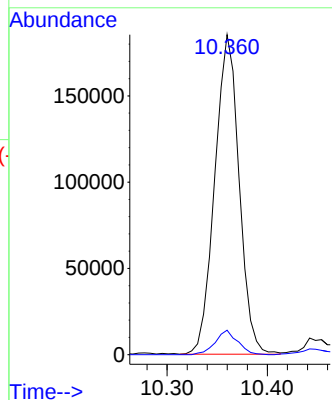
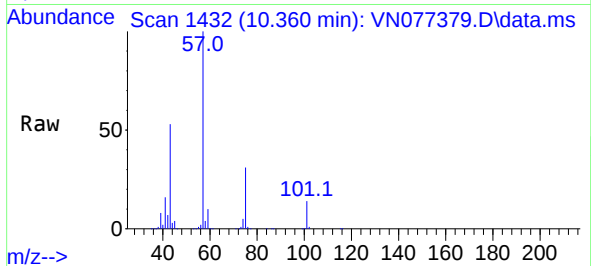




#51
4-Methyl-2-Pentanone
Concen: 34.160 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. -0.088 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

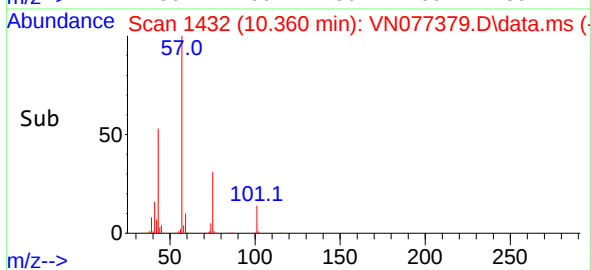
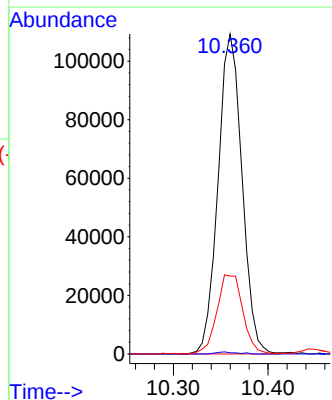
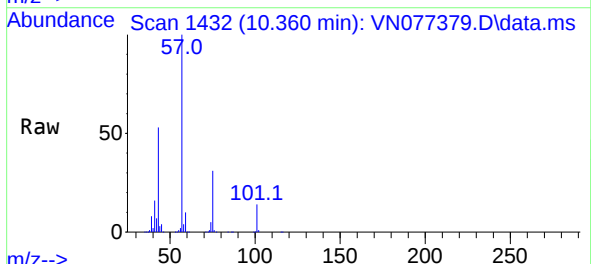
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#07

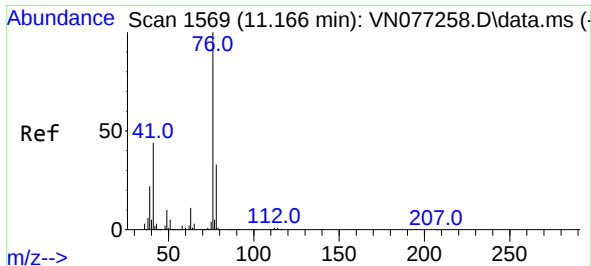
Tgt Ion: 43 Resp: 312313
Ion Ratio Lower Upper
43 100
58 7.0 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 15.546 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Tgt Ion: 75 Resp: 192181
Ion Ratio Lower Upper
75 100
77 0.4 26.7 40.1#
39 24.4 32.8 49.2#

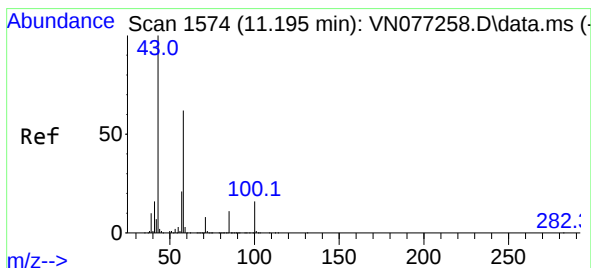
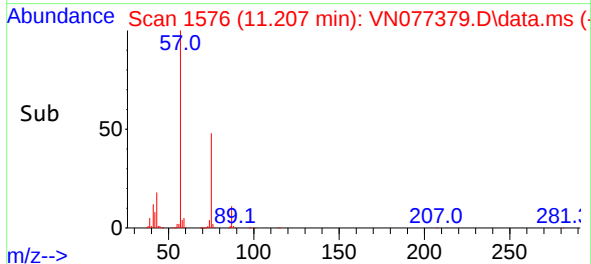
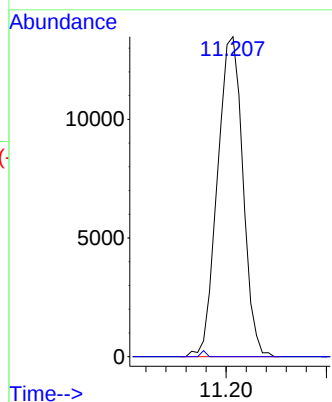
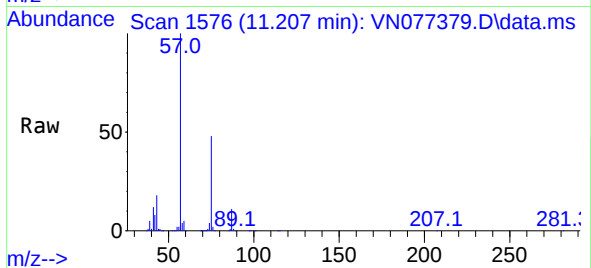




#57
1,3-Dichloropropane
Concen: 1.870 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

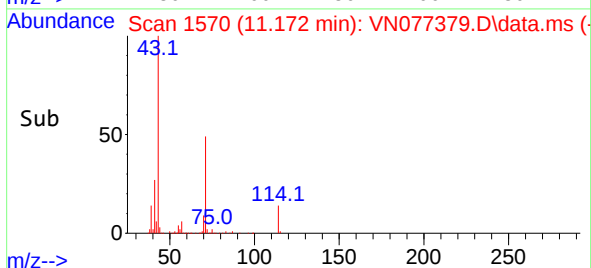
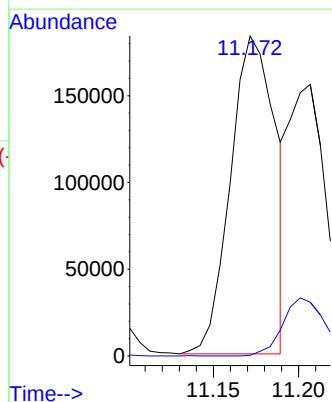
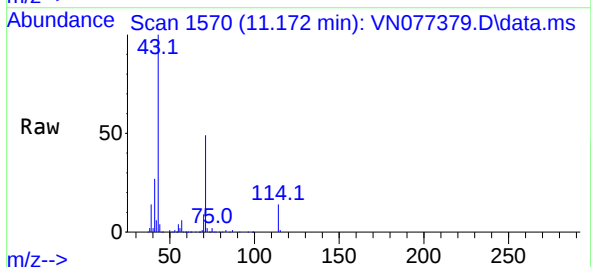
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#07

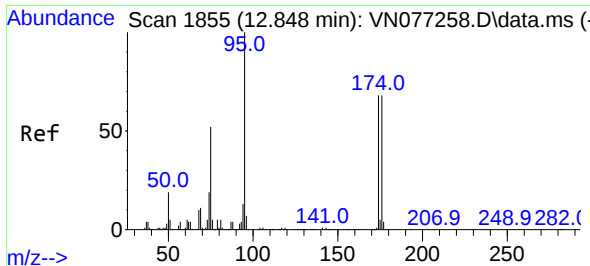
Tgt Ion: 76 Resp: 23725
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 49.345 ug/l
RT: 11.172 min Scan# 1570
Delta R.T. -0.023 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Tgt Ion: 43 Resp: 336103
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#

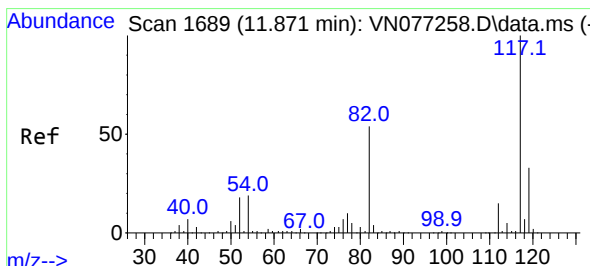
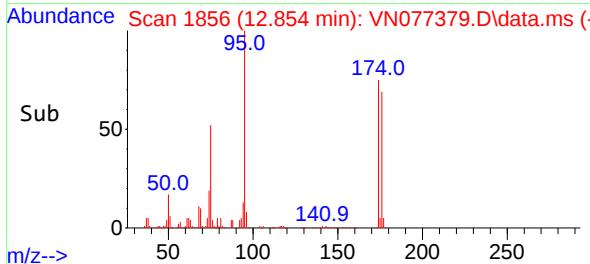
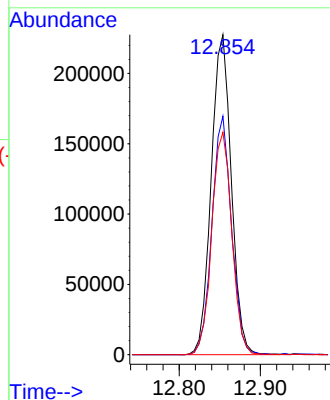
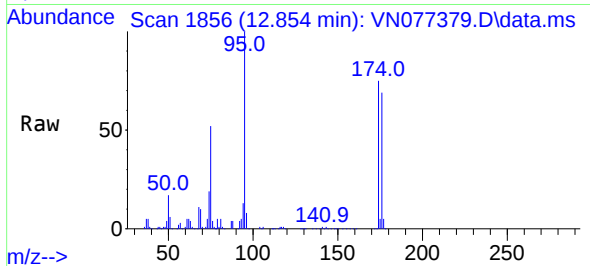




#62
4-Bromofluorobenzene
Concen: 45.084 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

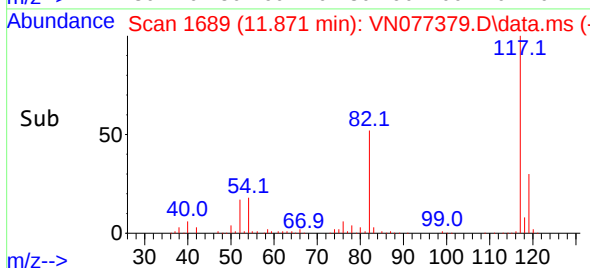
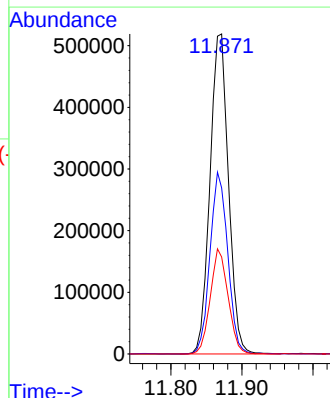
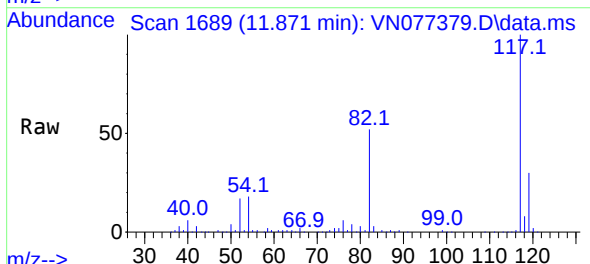
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#07

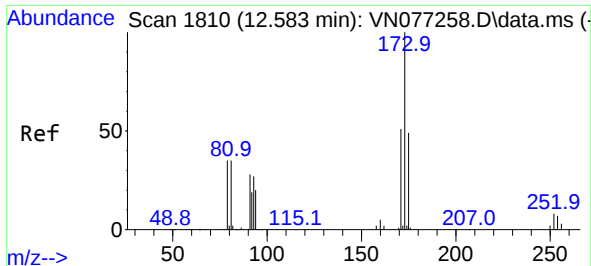
Tgt Ion: 95 Resp: 391014
Ion Ratio Lower Upper
95 100
174 72.8 0.0 146.8
176 69.5 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Tgt Ion: 117 Resp: 938744
Ion Ratio Lower Upper
117 100
82 51.9 42.9 64.3
119 30.3 26.2 39.4

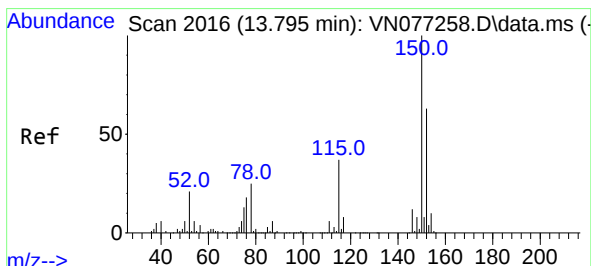
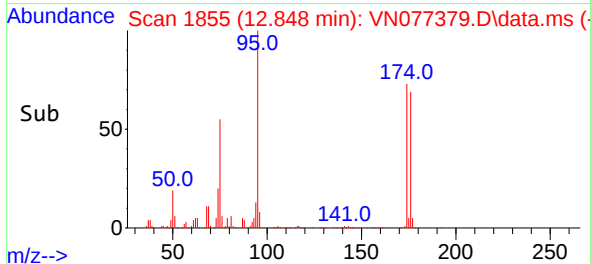
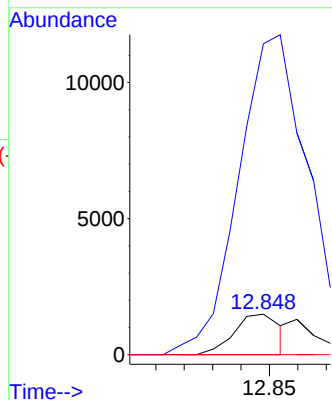
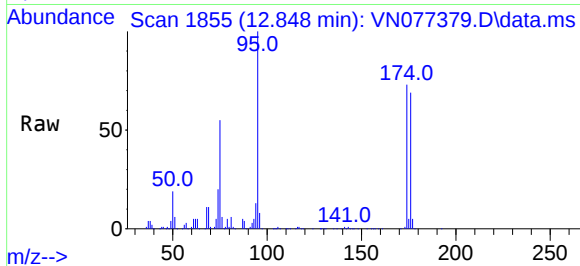




#71
Bromoform
Concen: 0.305 ug/l
RT: 12.848 min Scan# 1810
Delta R.T. 0.265 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

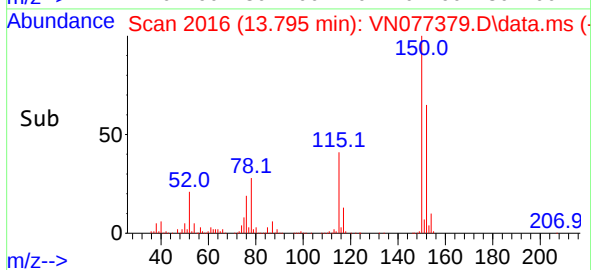
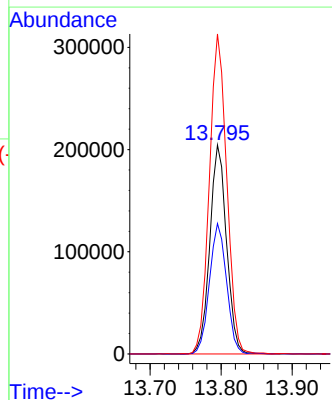
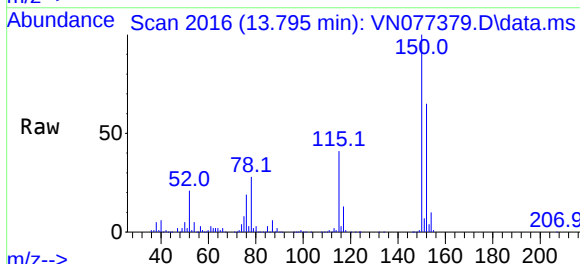
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#07

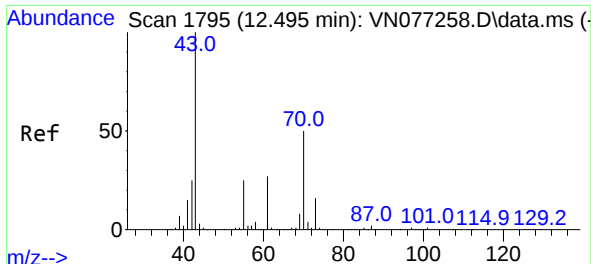
Tgt Ion:173 Resp: 1680
Ion Ratio Lower Upper
173 100
175 982.1 24.1 72.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Tgt Ion:152 Resp: 334584
Ion Ratio Lower Upper
152 100
115 64.1 32.1 96.3
150 158.9 0.0 354.8

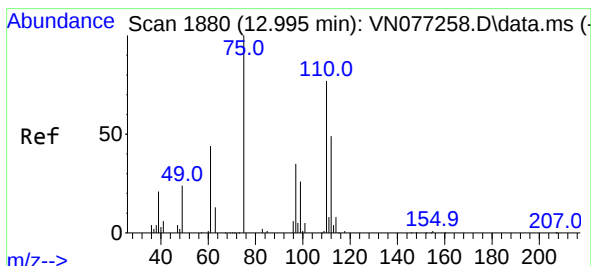
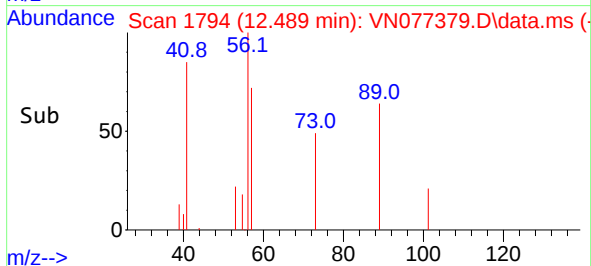
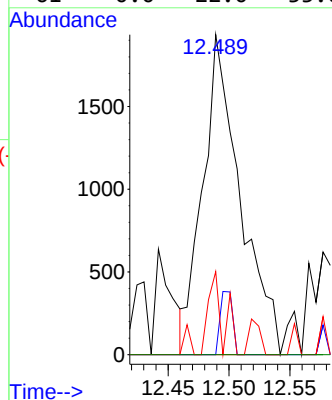
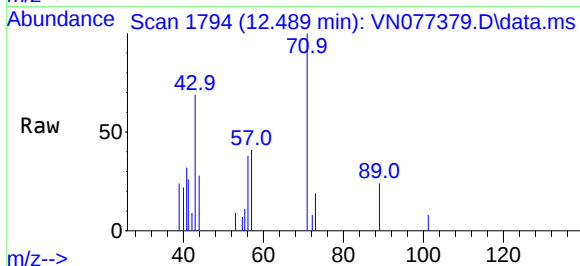




#74
N-amy1 acetate
Concen: 0.336 ug/l
RT: 12.489 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

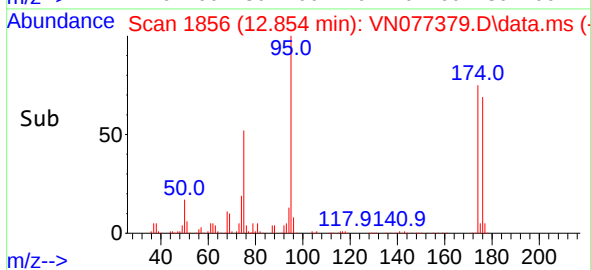
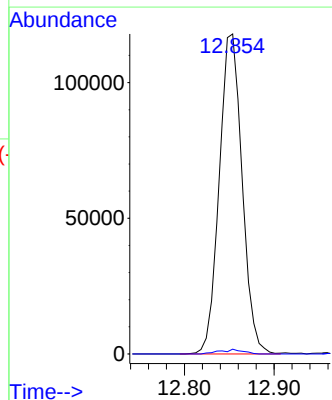
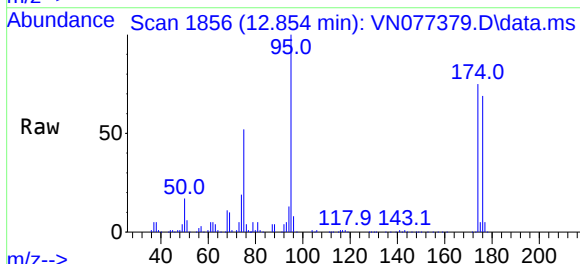
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#07

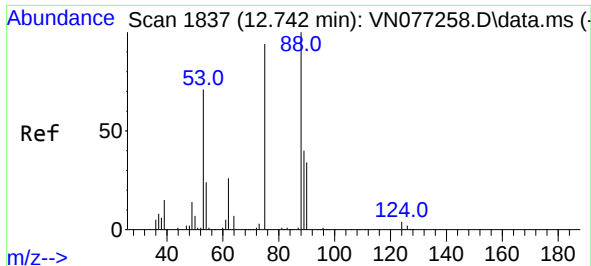
Tgt Ion: 43	Resp: 4143
Ion Ratio	Lower Upper
43 100	
70 6.5	41.0 61.6#
55 10.3	19.3 28.9#
61 0.0	22.0 33.0#



#76
1,2,3-Trichloropropane
Concen: 26.199 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

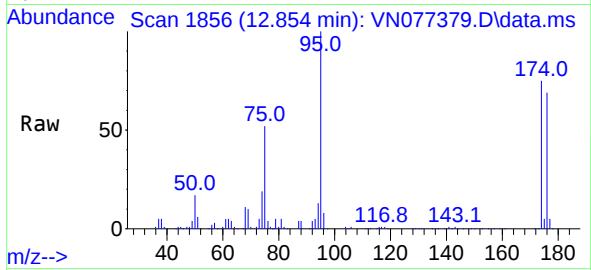
Tgt Ion: 75	Resp: 208735
Ion Ratio	Lower Upper
75 100	
77 1.5	88.3 264.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 58.956 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077379.D
Acq: 19 Apr 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#07



Tgt Ion: 75 Resp: 208735
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.2 37.4 56.2#

