

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077375.D
 Acq On : 19 Apr 2023 15:09
 Operator : JC\MD
 Sample : PB152199ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#03

Quant Time: Apr 20 04:26:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

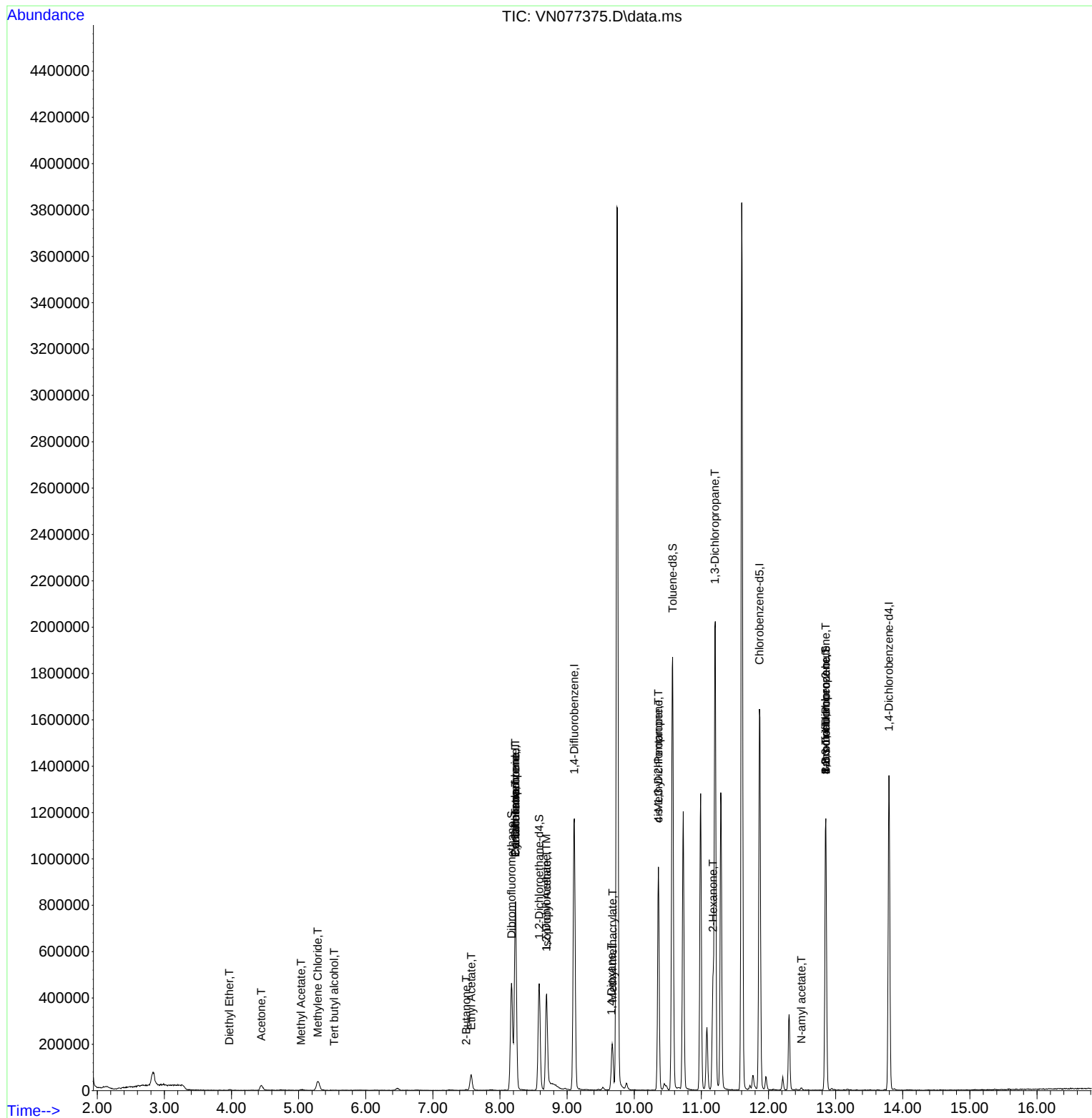
Internal Standards						
1) Pentafluorobenzene	8.230	168	582206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1105329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	997531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	362690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	360886	45.353	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.700%
35) Dibromofluoromethane	8.172	113	329672	46.590	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.180%
50) Toluene-d8	10.571	98	1356205	47.610	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.220%
62) 4-Bromofluorobenzene	12.854	95	427072	45.079	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.160%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.966	74	1683	0.371	ug/l	72
11) Tert butyl alcohol	5.531	59	477	0.294	ug/l #	72
16) Acetone	4.442	43	40683	13.867	ug/l	95
18) Methyl Acetate	5.037	43	4034	0.361	ug/l	89
20) Methylene Chloride	5.284	84	36185	4.367	ug/l	94
25) 2-Butanone	7.495	43	3647	0.766	ug/l	97
31) Cyclohexane	8.230	56	14666	1.186	ug/l #	45
36) 1,1-Dichloropropene	8.230	75	47676	4.556	ug/l #	49
37) Ethyl Acetate	7.572	43	94375	10.079	ug/l	96
38) Carbon Tetrachloride	8.230	117	64757	6.040	ug/l #	14
42) 1,2-Dichloroethane	8.689	62	2976	0.296	ug/l #	73
43) Isopropyl Acetate	8.695	43	465846	26.962	ug/l #	90
48) Methyl methacrylate	9.677	41	10136	1.375	ug/l #	35
49) 1,4-Dioxane	9.660	88	224	1.254	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	325501	32.592	ug/l #	43
54) cis-1,3-Dichloropropene	10.360	75	197341	14.614	ug/l #	58
57) 1,3-Dichloropropane	11.201	76	23742	1.713	ug/l #	43
59) 2-Hexanone	11.171	43	347892	46.758	ug/l #	20
71) Bromoform	12.854	173	2304	0.394	ug/l #	1
74) N-amyl acetate	12.489	43	4067	0.305	ug/l #	41
76) 1,2,3-Trichloropropane	12.854	75	227482	26.339	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	227482	59.272	ug/l #	13

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

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Quant Title : SW846 8260
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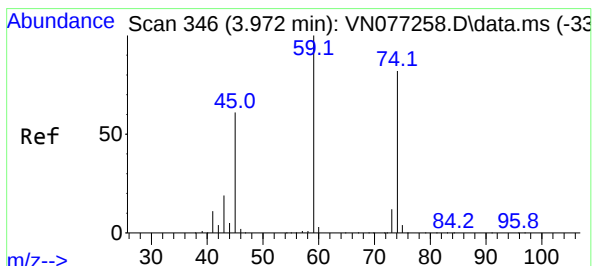
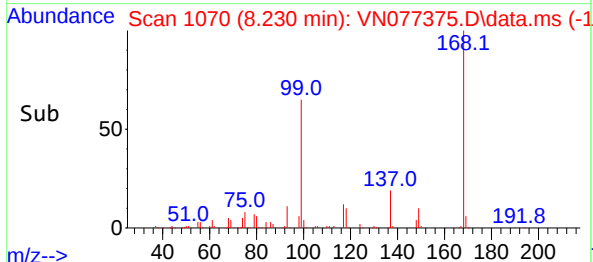
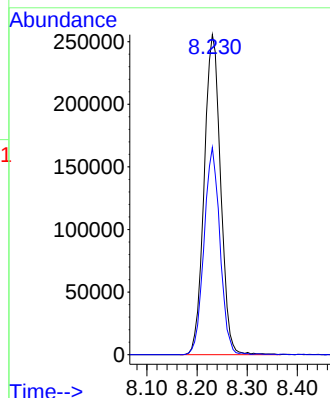
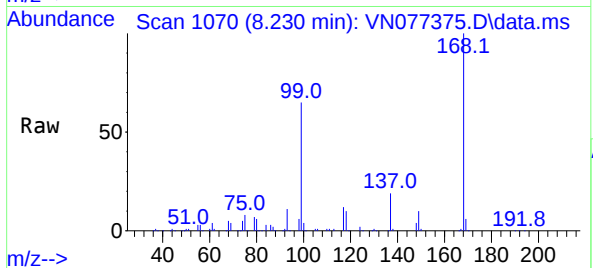




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

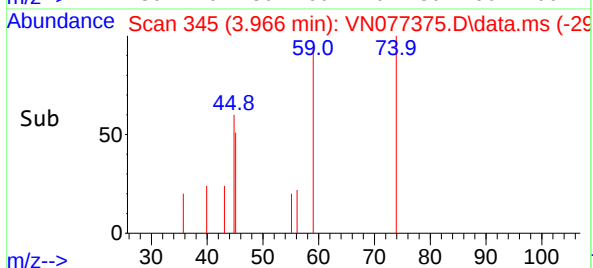
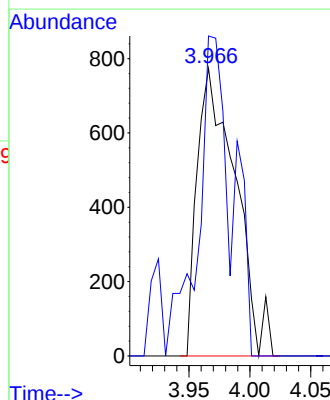
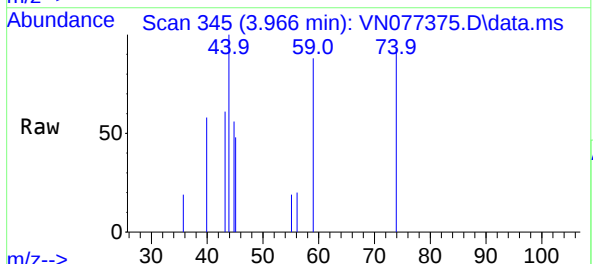
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#03

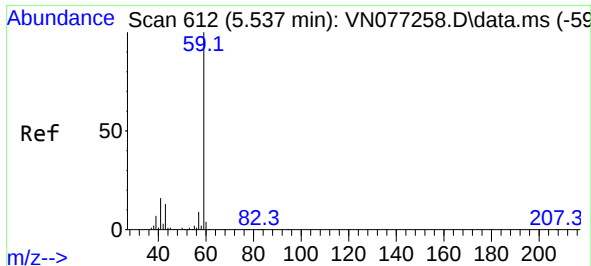
Tgt Ion:168 Resp: 582206
Ion Ratio Lower Upper
168 100
99 64.7 50.6 75.8



#8
Diethyl Ether
Concen: 0.371 ug/l
RT: 3.966 min Scan# 345
Delta R.T. -0.006 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 74 Resp: 1683
Ion Ratio Lower Upper
74 100
45 99.2 37.8 113.4

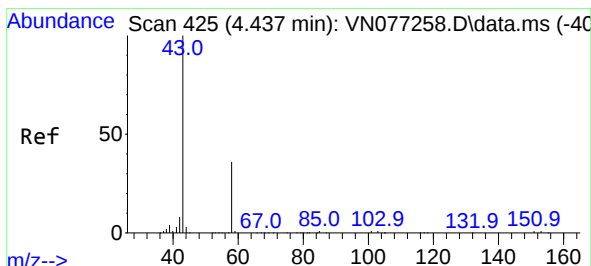
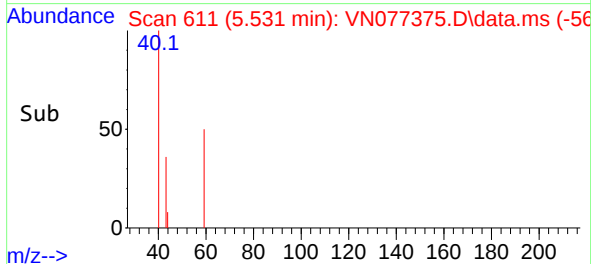
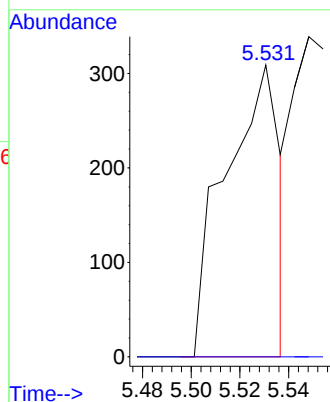
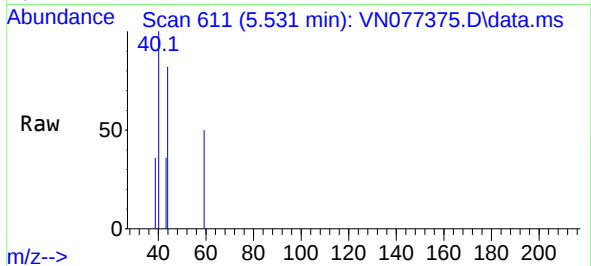




#11
Tert butyl alcohol
Concen: 0.294 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

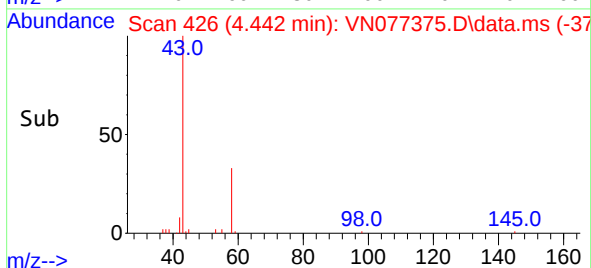
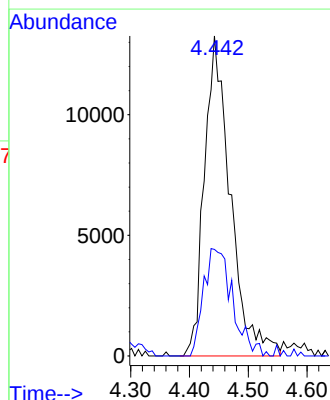
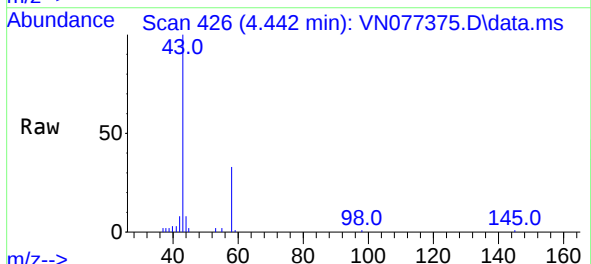
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#03

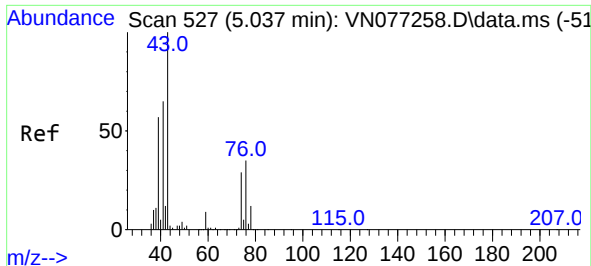
Tgt Ion: 59 Resp: 477
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 13.867 ug/l
RT: 4.442 min Scan# 426
Delta R.T. 0.005 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 43 Resp: 40683
Ion Ratio Lower Upper
43 100
58 33.3 29.0 43.6

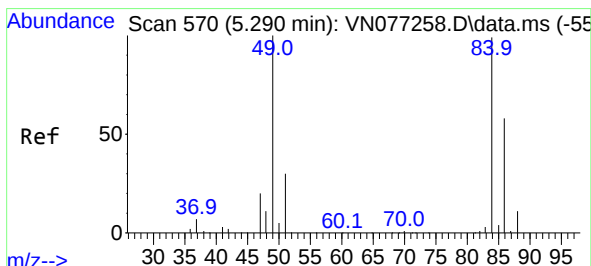
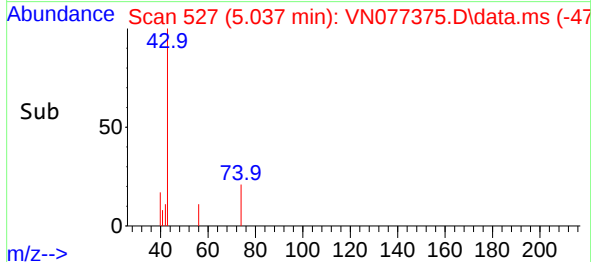
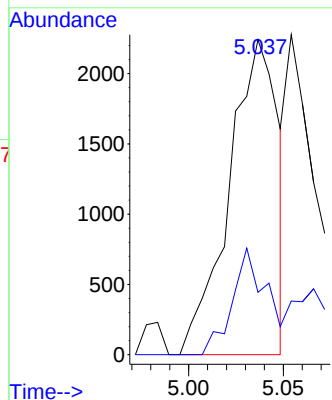
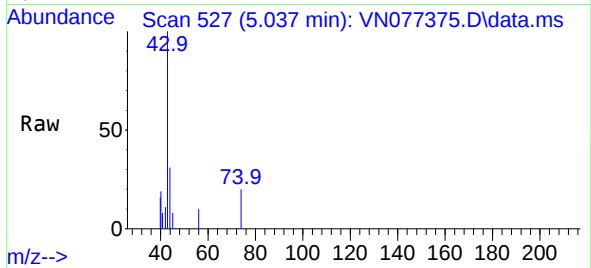




#18
Methyl Acetate
Concen: 0.361 ug/l
RT: 5.037 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

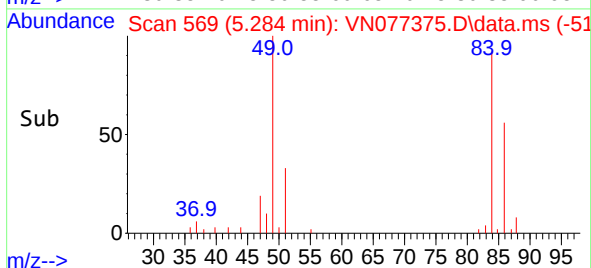
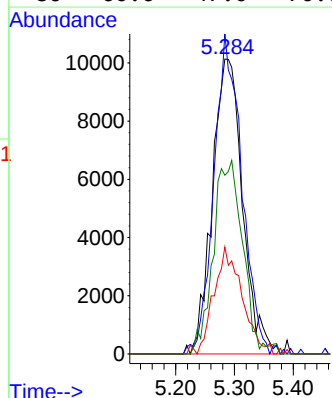
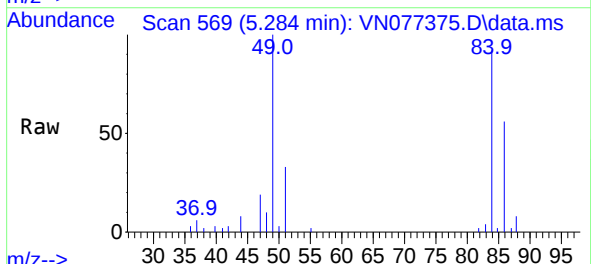
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#03

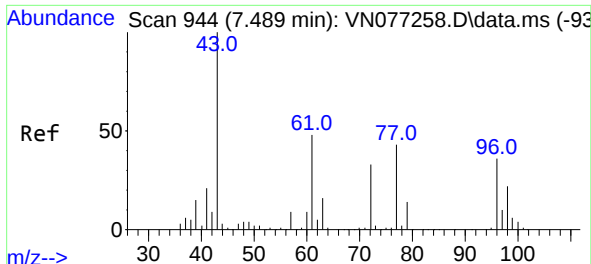
Tgt Ion: 43 Resp: 4034
Ion Ratio Lower Upper
43 100
74 23.5 23.4 35.2



#20
Methylene Chloride
Concen: 4.367 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 84 Resp: 36185
Ion Ratio Lower Upper
84 100
49 108.5 80.6 121.0
51 36.2 24.4 36.6
86 60.6 47.0 70.6

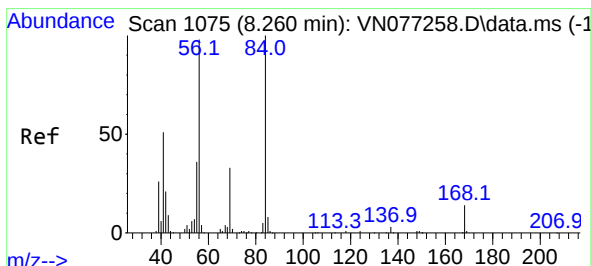
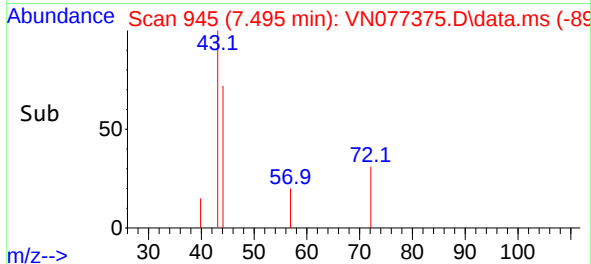
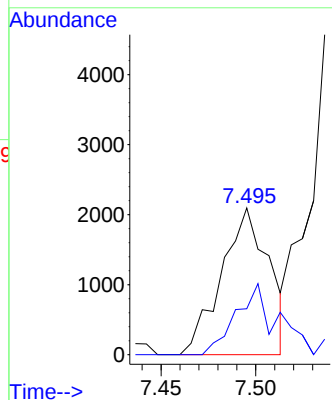
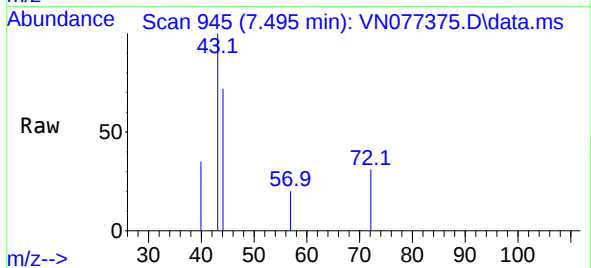




#25
2-Butanone
Concen: 0.766 ug/l
RT: 7.495 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

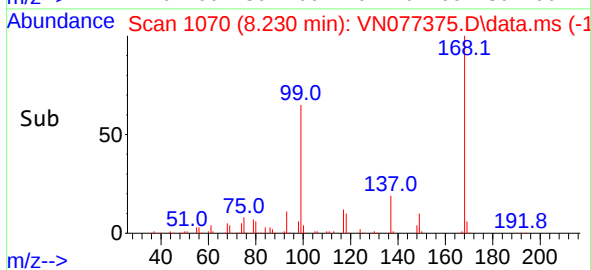
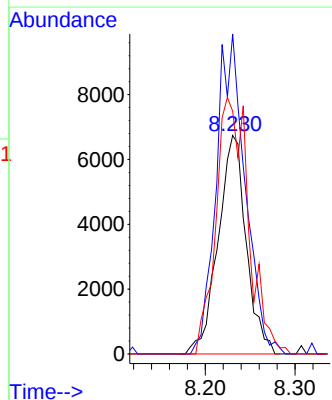
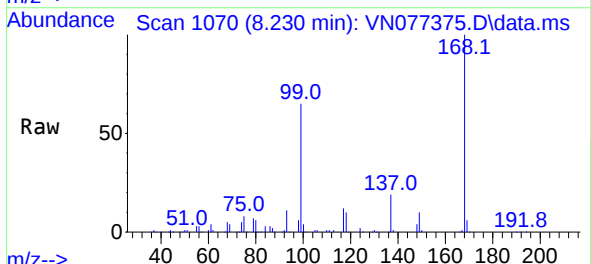
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ClientSampleId :
PB152199ZHE#03

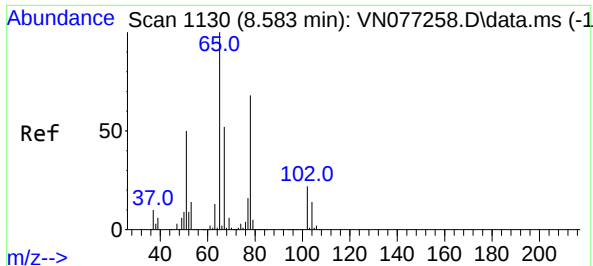
Tgt Ion: 43 Resp: 3647
Ion Ratio Lower Upper
43 100
72 31.3 26.6 39.8



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.030 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 56 Resp: 14666
Ion Ratio Lower Upper
56 100
69 146.4 26.6 40.0#
84 111.1 81.8 122.8

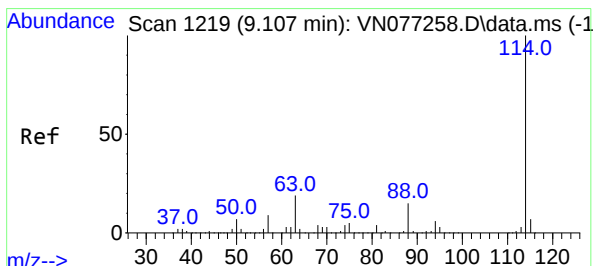
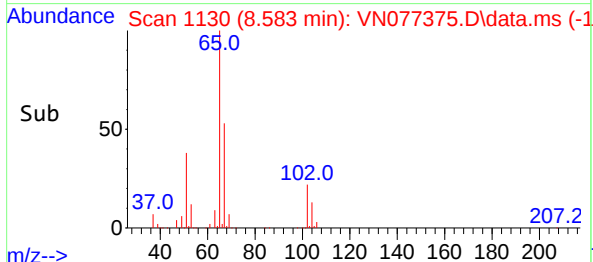
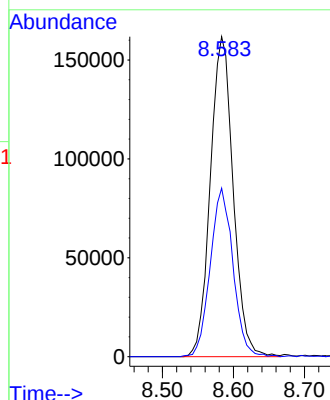
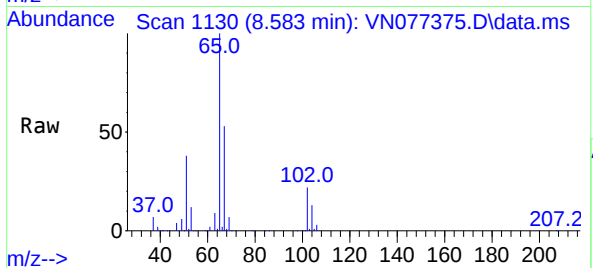




#33
1,2-Dichloroethane-d4
Concen: 45.353 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

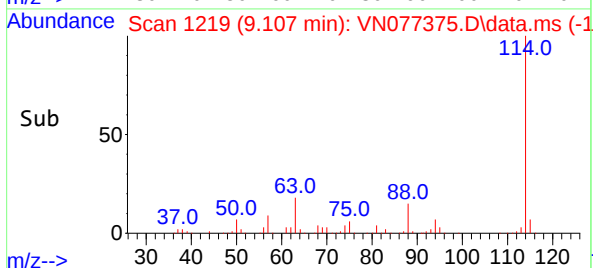
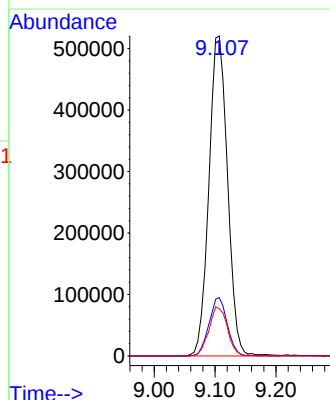
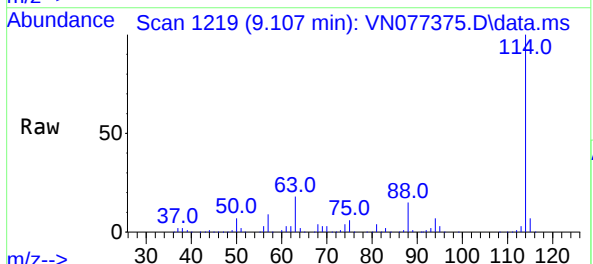
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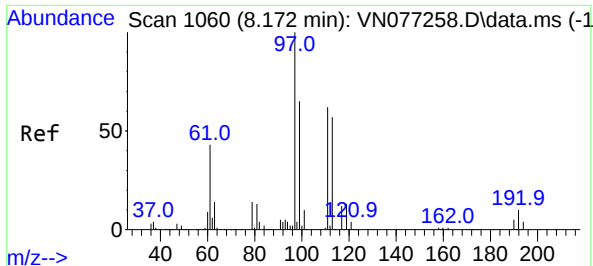
Tgt Ion: 65 Resp: 360886
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 114 Resp: 1105329
Ion Ratio Lower Upper
114 100
63 18.3 0.0 37.8
88 14.7 0.0 29.4

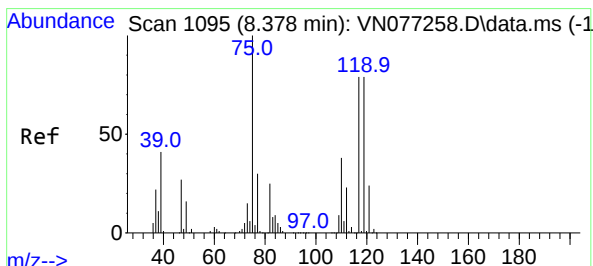
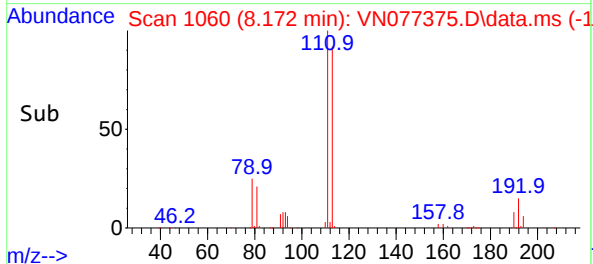
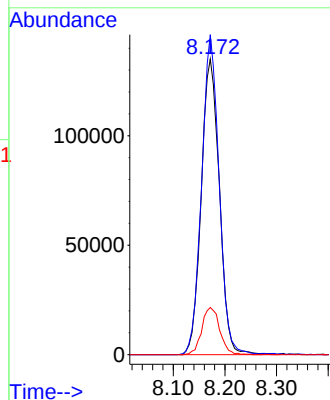
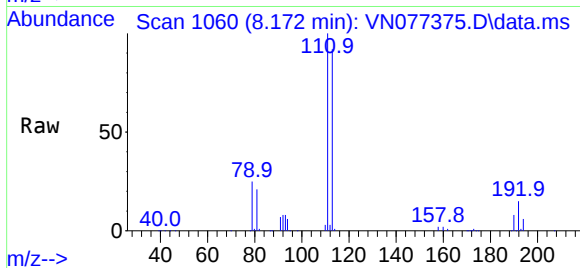




#35
Dibromofluoromethane
Concen: 46.590 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

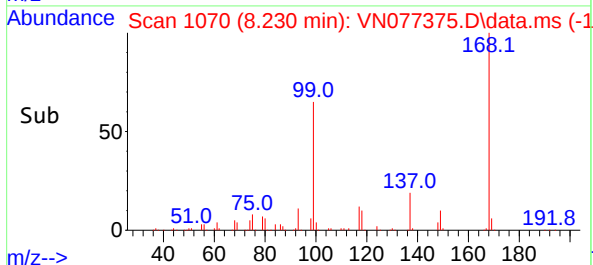
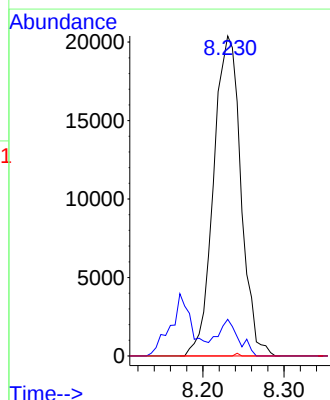
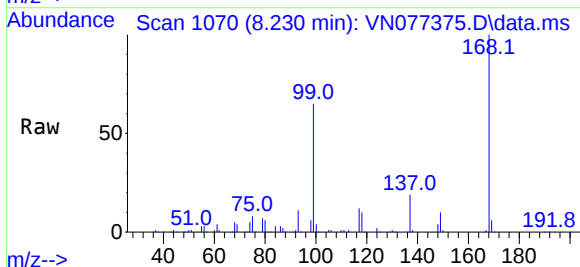
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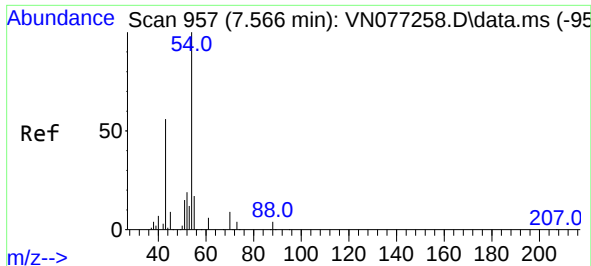
Tgt Ion:113 Resp: 329672
Ion Ratio Lower Upper
113 100
111 104.0 83.4 125.0
192 15.8 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.556 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.148 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 75 Resp: 47676
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.1 25.0 37.4#

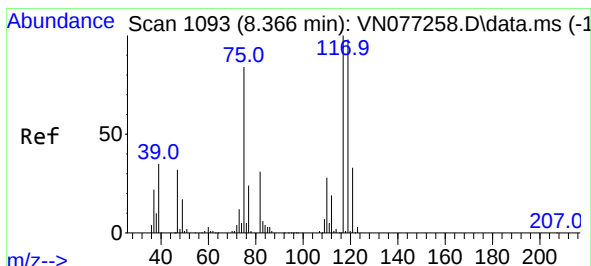
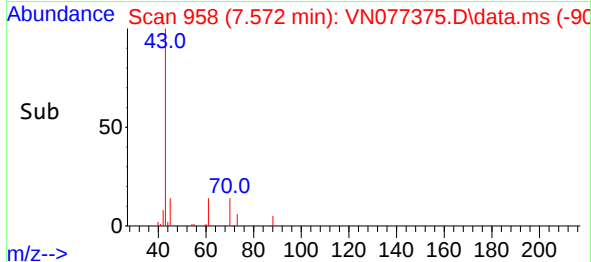
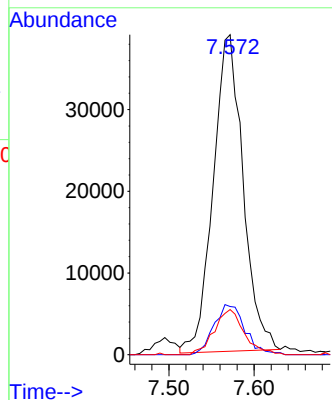
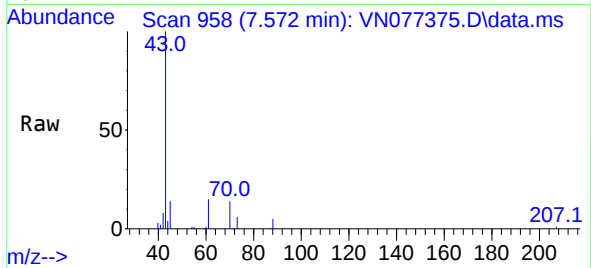




#37
Ethyl Acetate
Concen: 10.079 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

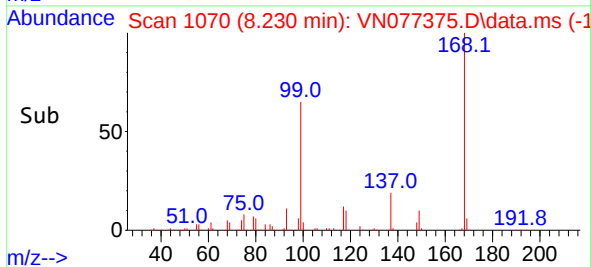
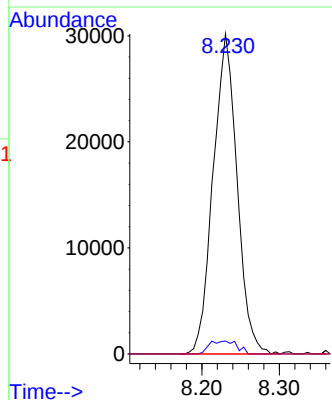
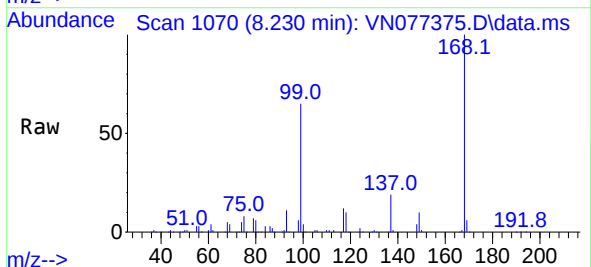
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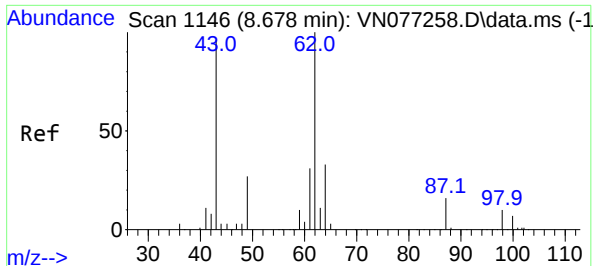
Tgt Ion: 43 Resp: 94375
Ion Ratio Lower Upper
43 100
61 16.4 12.2 18.2
70 14.3 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.040 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.136 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 117 Resp: 64757
Ion Ratio Lower Upper
117 100
119 4.1 78.5 117.7#
121 0.0 26.6 40.0#

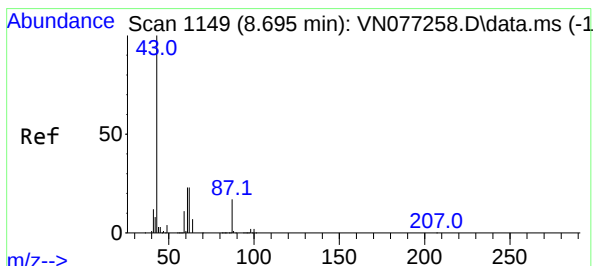
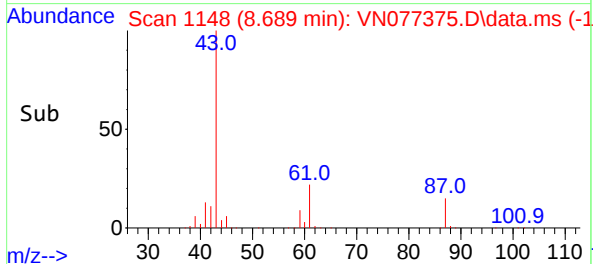
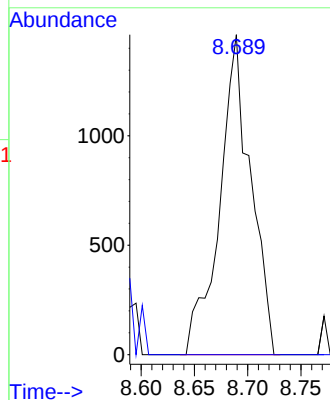
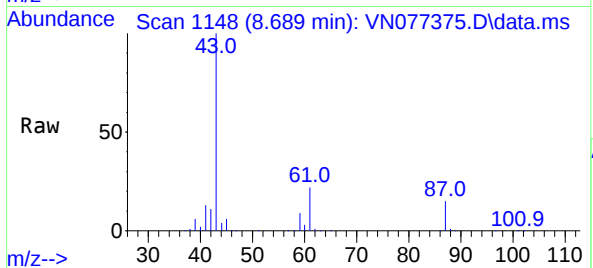




#42
1,2-Dichloroethane
Concen: 0.296 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.011 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

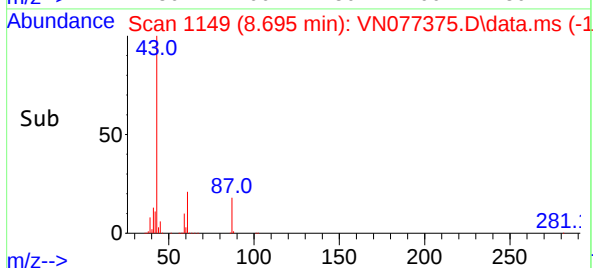
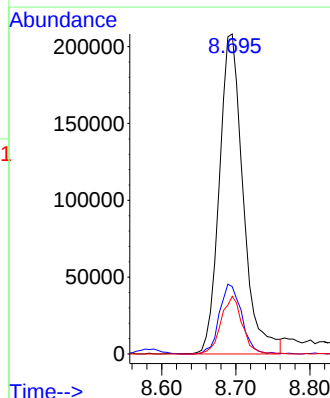
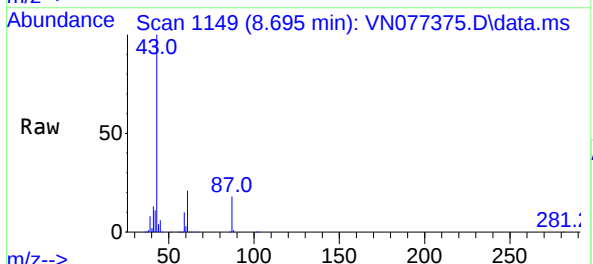
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#03

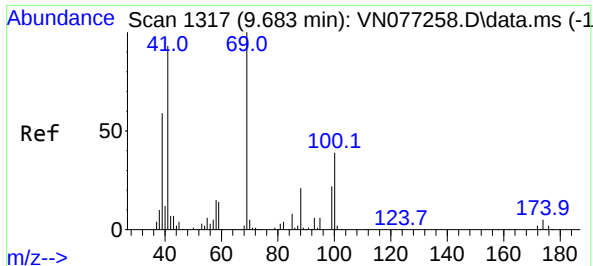
Tgt Ion: 62 Resp: 2976
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



#43
Isopropyl Acetate
Concen: 26.962 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 43 Resp: 465846
Ion Ratio Lower Upper
43 100
61 20.4 22.7 34.1#
87 16.0 13.6 20.4

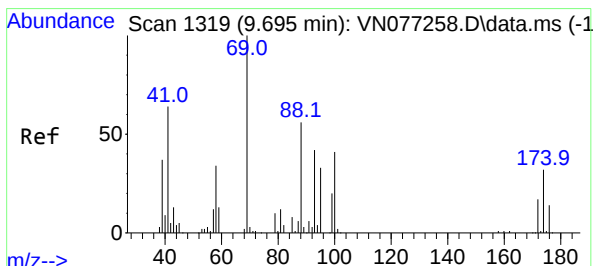
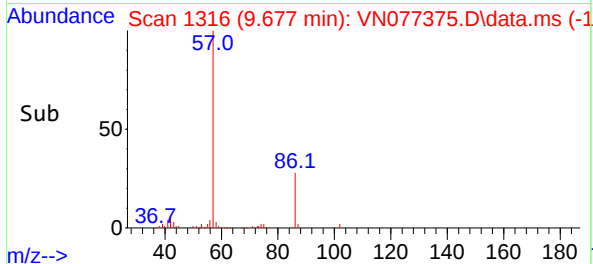
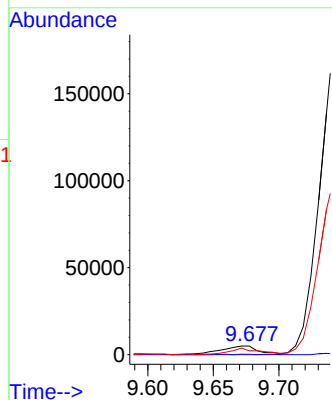
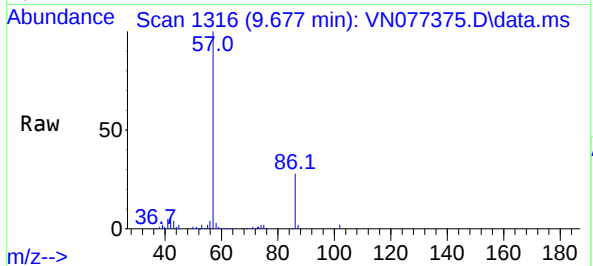




#48
Methyl methacrylate
Concen: 1.375 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

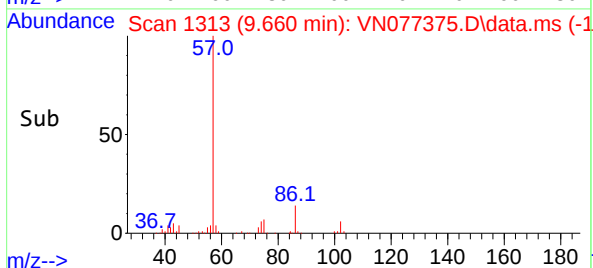
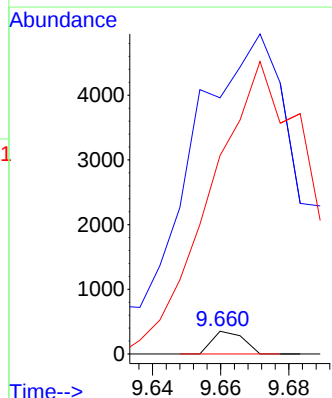
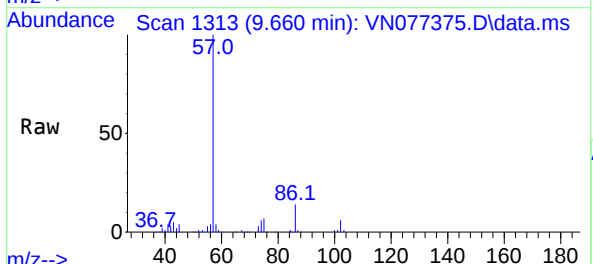
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#03

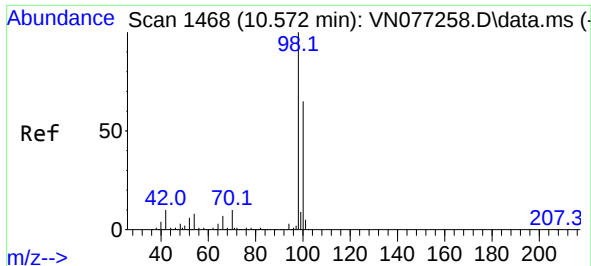
Tgt Ion: 41 Resp: 10136
Ion Ratio Lower Upper
41 100
69 1.5 85.0 127.6#
39 60.2 53.5 80.3



#49
1,4-Dioxane
Concen: 1.254 ug/l
RT: 9.660 min Scan# 1313
Delta R.T. -0.035 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 88 Resp: 224
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 4270.1 49.8 74.6#

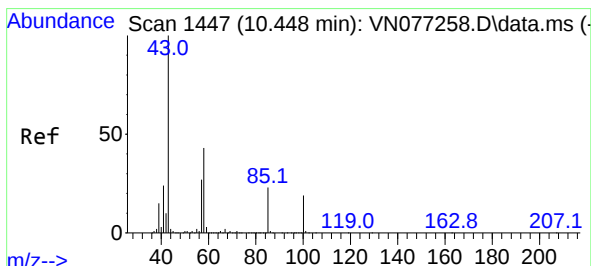
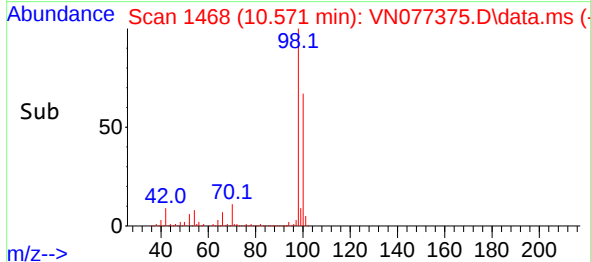
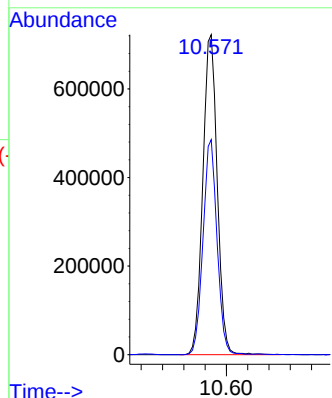
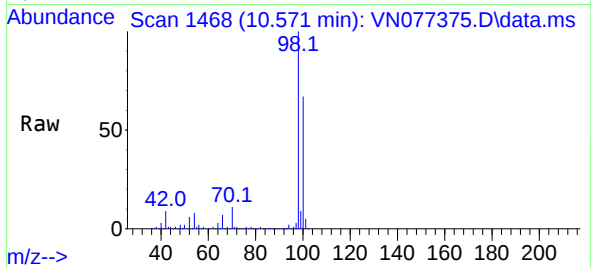




#50
Toluene-d8
Concen: 47.610 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

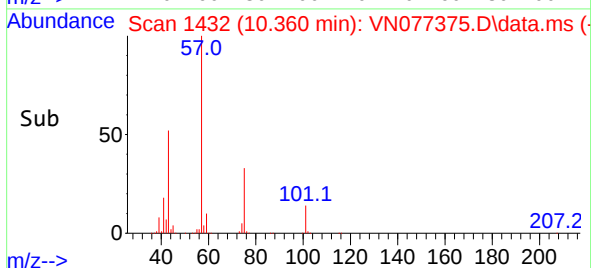
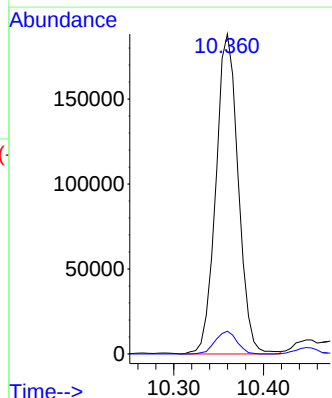
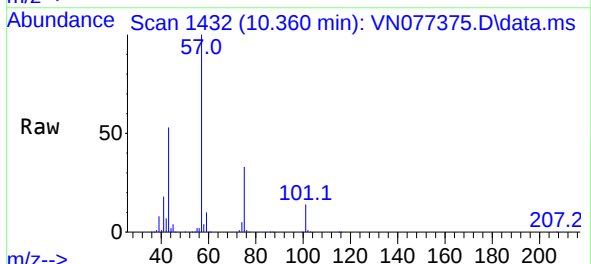
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#03

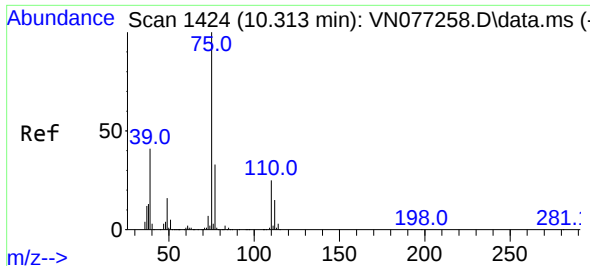
Tgt Ion: 98 Resp: 1356205
Ion Ratio Lower Upper
98 100
100 65.3 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 32.592 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. -0.088 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 43 Resp: 325501
Ion Ratio Lower Upper
43 100
58 6.9 34.6 52.0#

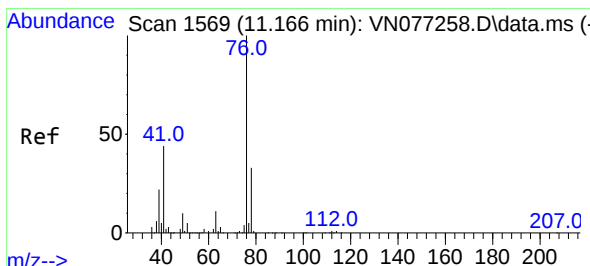
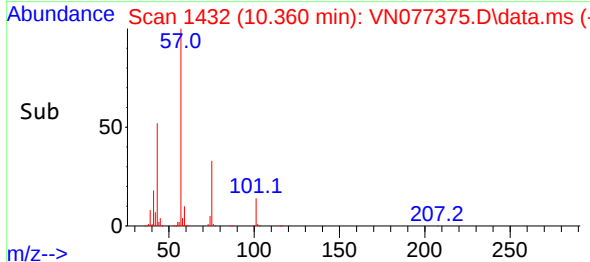
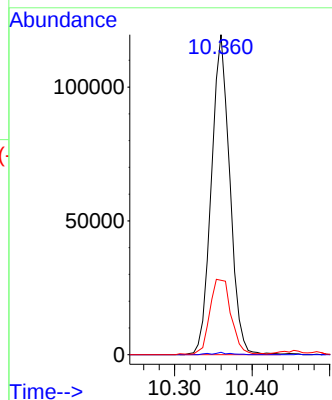
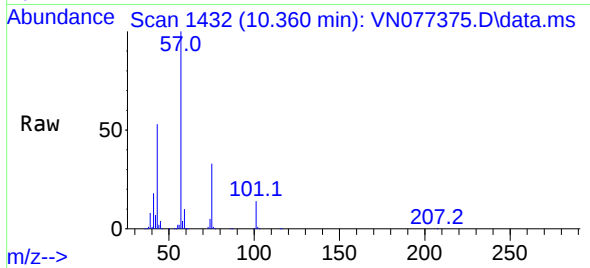




#54
cis-1,3-Dichloropropene
Concen: 14.614 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

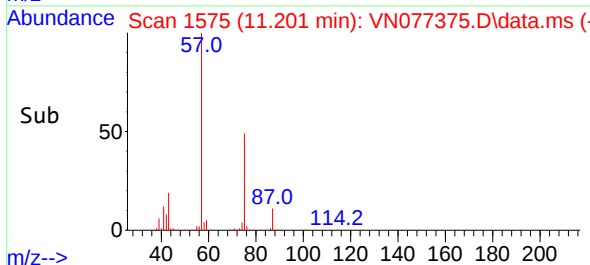
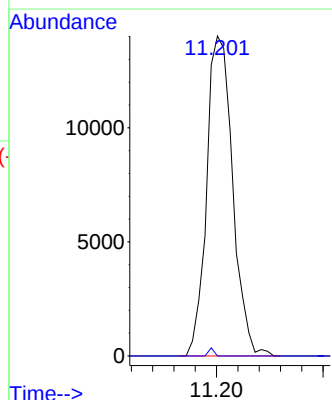
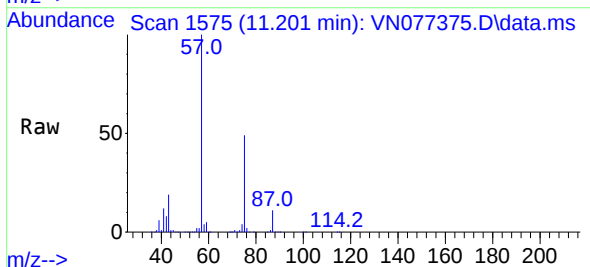
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#03

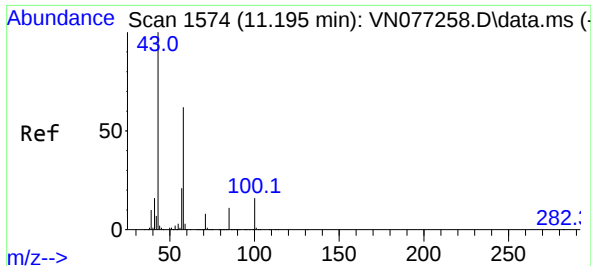
Tgt Ion: 75 Resp: 197341
Ion Ratio Lower Upper
75 100
77 0.8 26.7 40.1#
39 23.0 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.713 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 76 Resp: 23742
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.4#

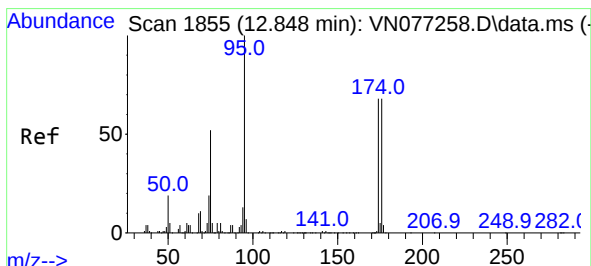
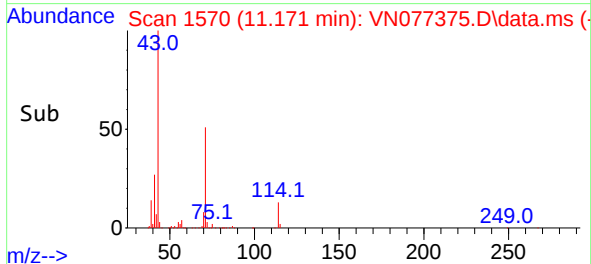
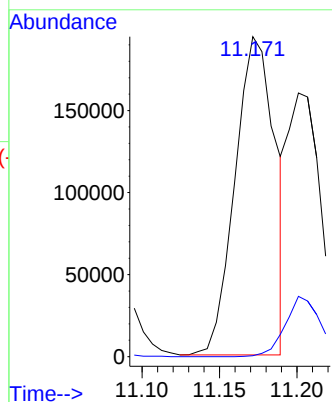
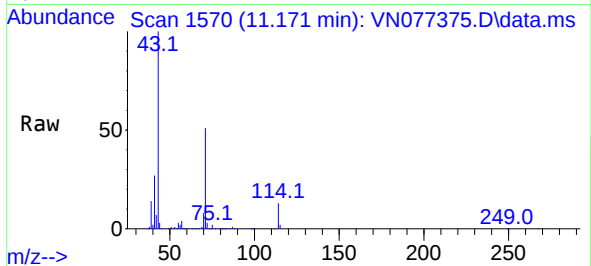




#59
2-Hexanone
Concen: 46.758 ug/l
RT: 11.171 min Scan# 11170
Delta R.T. -0.024 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

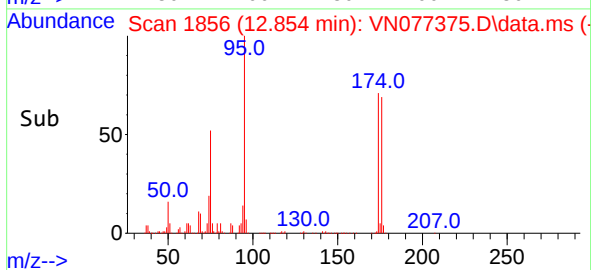
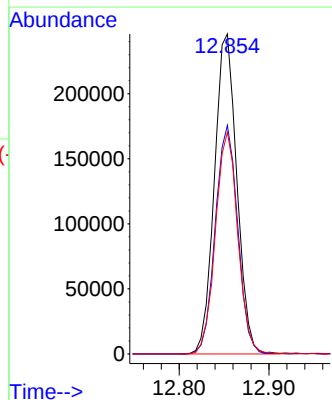
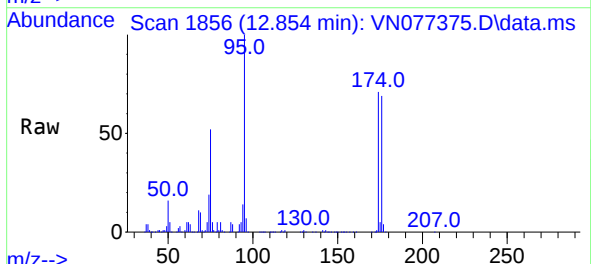
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#03

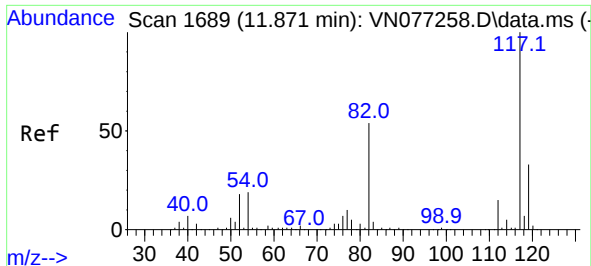
Tgt Ion: 43 Resp: 347892
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 45.079 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 95 Resp: 427072
Ion Ratio Lower Upper
95 100
174 71.3 0.0 146.8
176 68.8 0.0 139.6

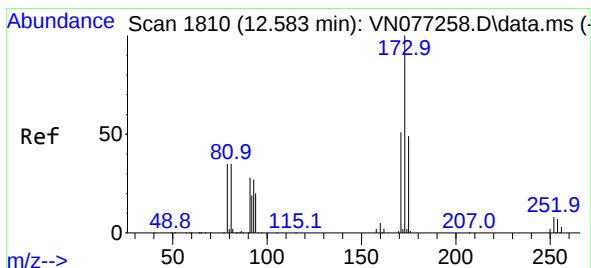
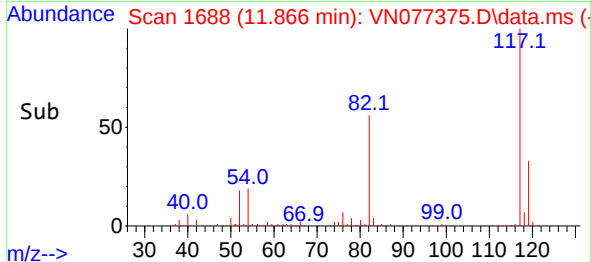
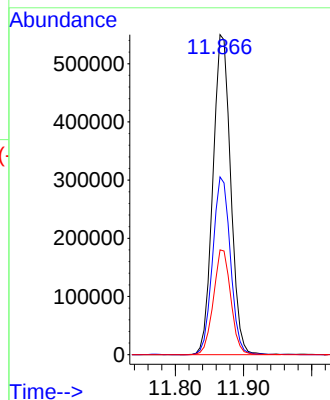
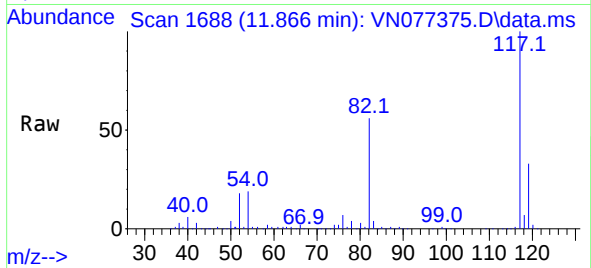




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

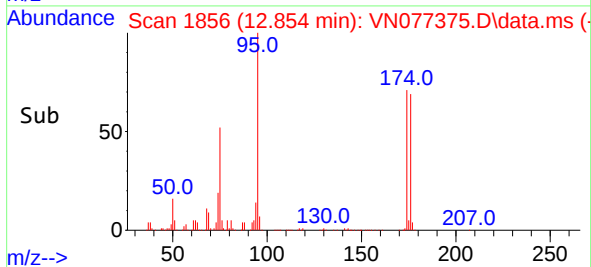
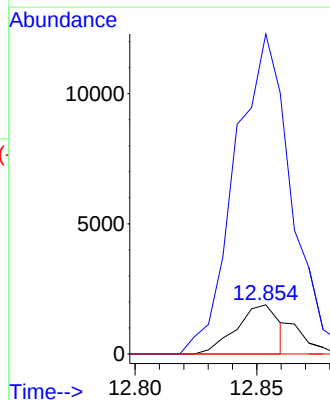
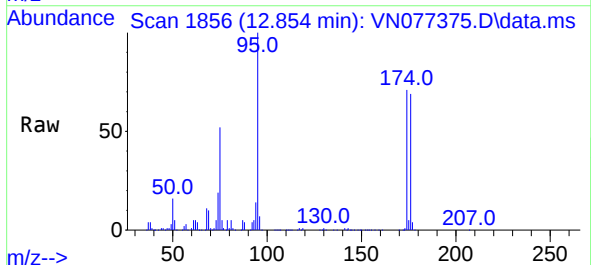
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#03

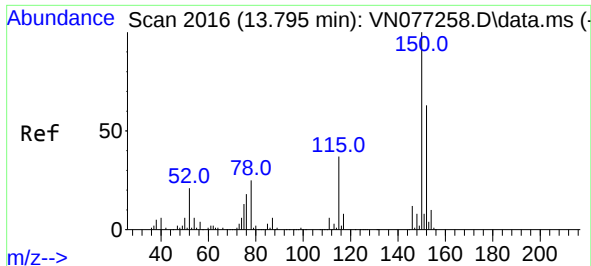
Tgt Ion:117 Resp: 997531
Ion Ratio Lower Upper
117 100
82 55.6 42.9 64.3
119 32.7 26.2 39.4



#71
Bromoform
Concen: 0.394 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

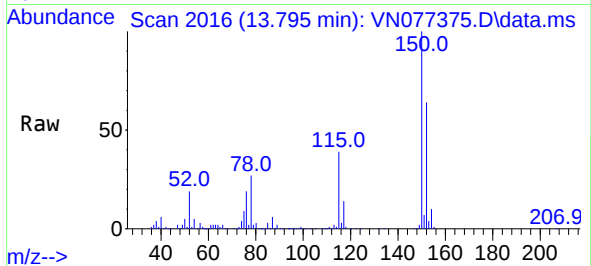
Tgt Ion:173 Resp: 2304
Ion Ratio Lower Upper
173 100
175 707.1 24.1 72.4#
254 0.0 0.1 0.1#



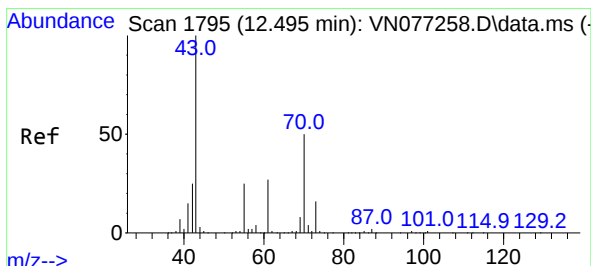
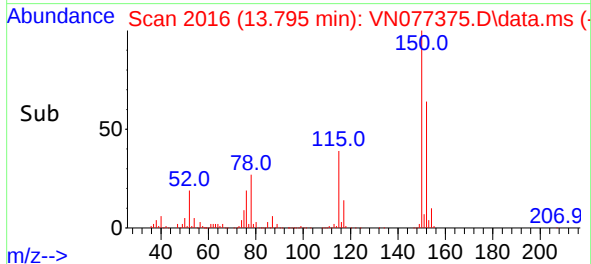
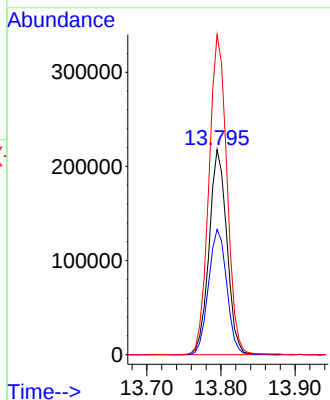


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#03

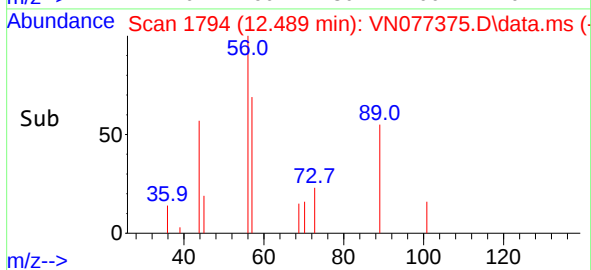
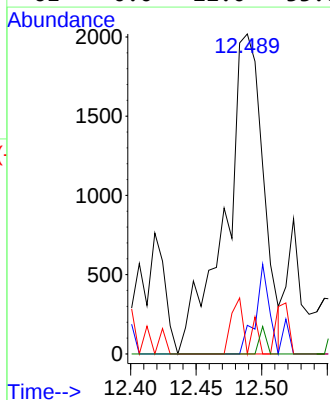
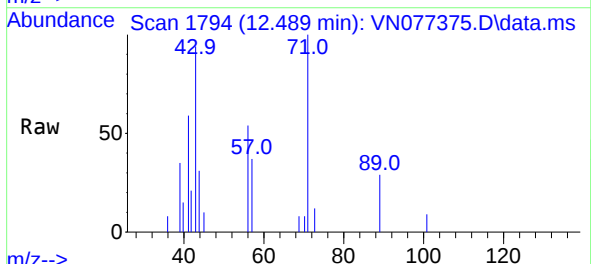


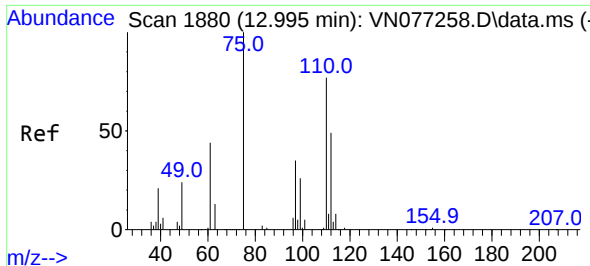
Tgt Ion:152 Resp: 362690
Ion Ratio Lower Upper
152 100
115 62.8 32.1 96.3
150 158.7 0.0 354.8



#74
N-ethyl acetate
Concen: 0.305 ug/l
RT: 12.489 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 43 Resp: 4067
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.6#
55 7.3 19.3 28.9#
61 0.0 22.0 33.0#

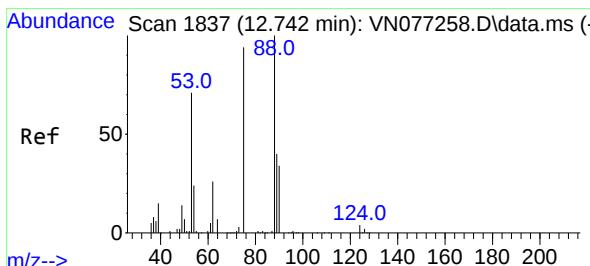
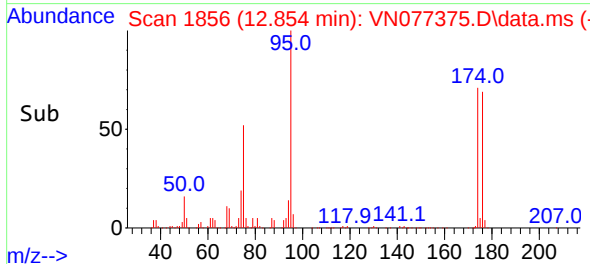
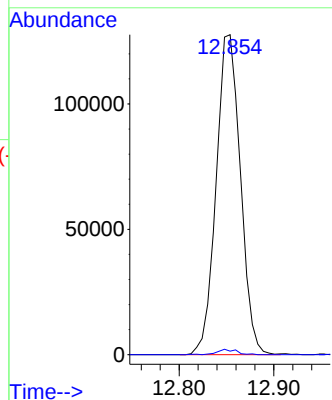
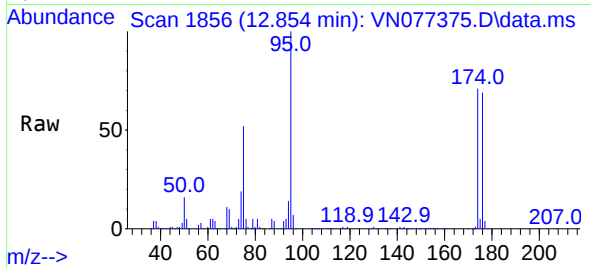




#76
1,2,3-Trichloropropane
Concen: 26.339 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#03

Tgt Ion: 75 Resp: 227482
Ion Ratio Lower Upper
75 100
77 1.4 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.272 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077375.D
Acq: 19 Apr 2023 15:09

Tgt Ion: 75 Resp: 227482
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.1 37.4 56.2#

