

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077376.D
 Acq On : 19 Apr 2023 15:33
 Operator : JC\MD
 Sample : PB152199ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#04

Quant Time: Apr 20 04:26:19 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

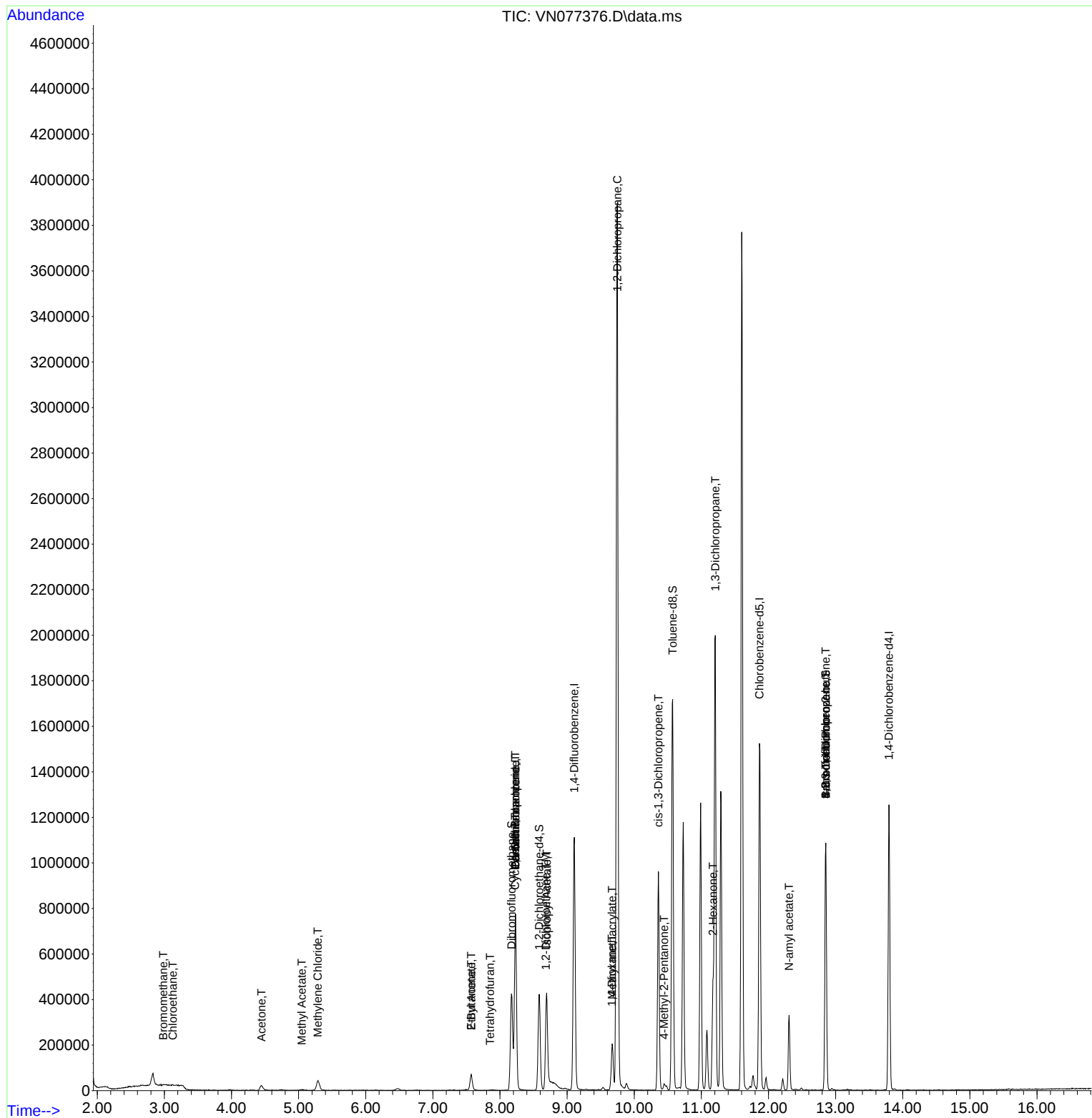
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.231	168	533708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1020084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	934062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	326255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	335355	45.974	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.940%		
35) Dibromofluoromethane	8.172	113	310750	47.586	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.180%		
50) Toluene-d8	10.572	98	1260218	47.938	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.880%		
62) 4-Bromofluorobenzene	12.854	95	386850	44.245	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.500%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.984	94	3832	0.462	ug/l #	61
6) Chloroethane	3.125	64	3244	0.397	ug/l #	41
16) Acetone	4.448	43	40557	15.080	ug/l #	85
18) Methyl Acetate	5.048	43	5148	0.503	ug/l #	81
20) Methylene Chloride	5.284	84	36615	4.821	ug/l	94
25) 2-Butanone	7.572	43	99657	22.831	ug/l #	41
29) Tetrahydrofuran	7.854	42	1192	0.425	ug/l #	61
31) Cyclohexane	8.225	56	12628	1.114	ug/l #	40
36) 1,1-Dichloropropene	8.231	75	45909	4.753	ug/l #	50
37) Ethyl Acetate	7.572	43	99657	11.533	ug/l	97
38) Carbon Tetrachloride	8.231	117	60455	6.110	ug/l #	14
42) 1,2-Dichloroethane	8.683	62	2518	0.272	ug/l #	73
43) Isopropyl Acetate	8.695	43	479243	30.055	ug/l #	89
45) 1,2-Dichloropropane	9.748	63	5473	0.765	ug/l #	41
48) Methyl methacrylate	9.672	41	10094	1.484	ug/l #	5
49) 1,4-Dioxane	9.666	88	141	0.855	ug/l #	1
51) 4-Methyl-2-Pentanone	10.442	43	17652	1.915	ug/l	96
54) cis-1,3-Dichloropropene	10.360	75	195718	15.705	ug/l #	60
57) 1,3-Dichloropropane	11.207	76	25897	2.025	ug/l #	42
59) 2-Hexanone	11.172	43	338703	49.327	ug/l #	20
71) Bromoform	12.854	173	1432	0.261	ug/l #	1
74) N-amyl acetate	12.307	43	99443	8.281	ug/l #	47
76) 1,2,3-Trichloropropane	12.854	75	208225	26.802	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	208225	60.313	ug/l #	13

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

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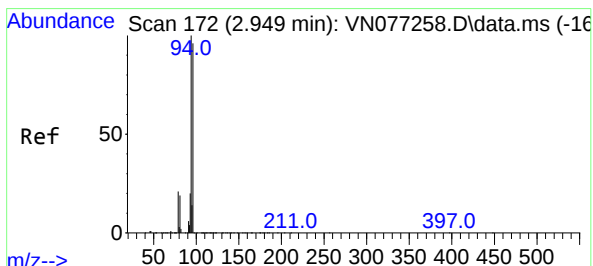
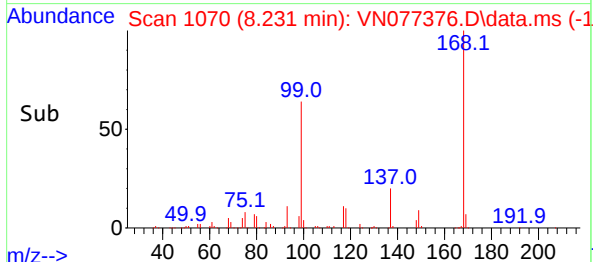
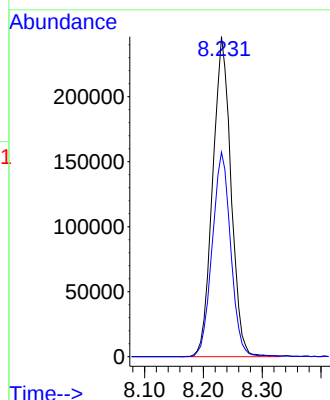
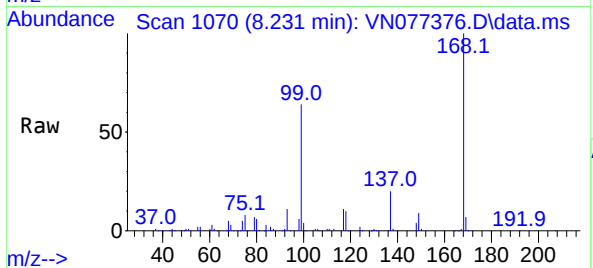




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

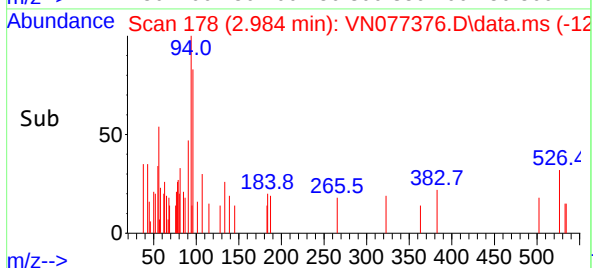
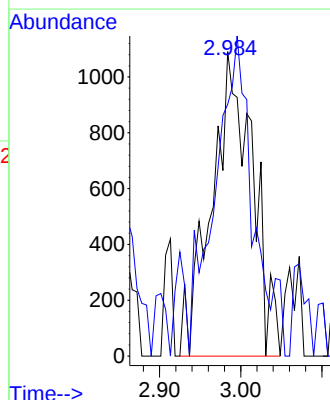
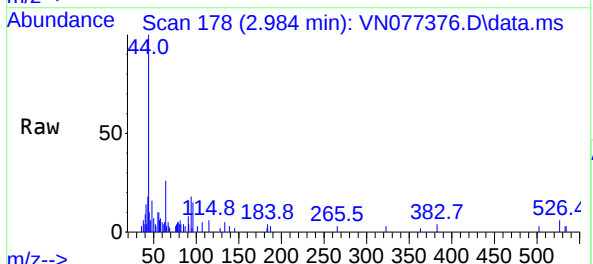
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#04

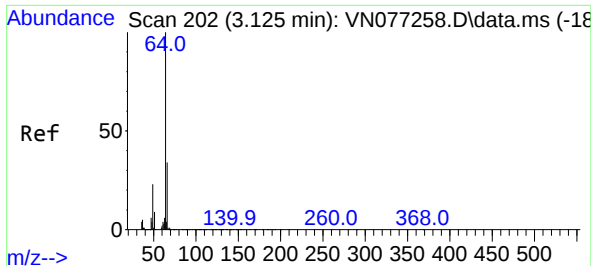
Tgt Ion:168 Resp: 533708
Ion Ratio Lower Upper
168 100
99 63.9 50.6 75.8



#5
Bromomethane
Concen: 0.462 ug/l
RT: 2.984 min Scan# 178
Delta R.T. 0.035 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Tgt Ion: 94 Resp: 3832
Ion Ratio Lower Upper
94 100
96 57.7 77.0 115.4#

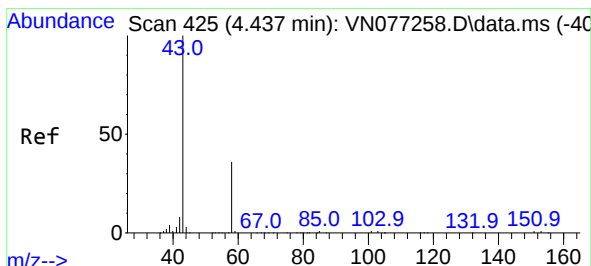
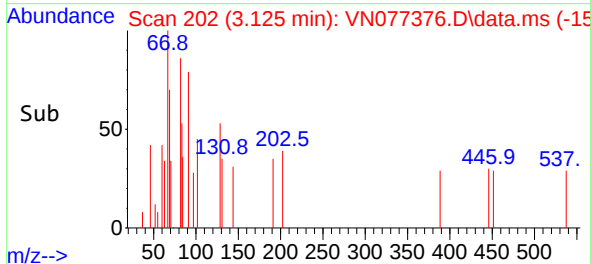
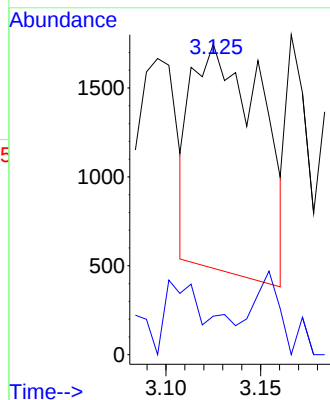
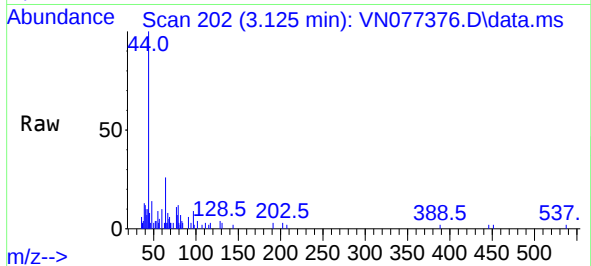




#6
Chloroethane
Concen: 0.397 ug/l
RT: 3.125 min Scan# 202
Delta R.T. 0.000 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

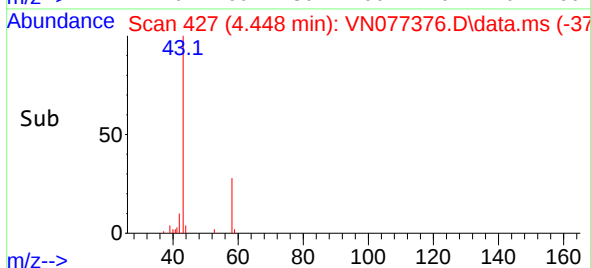
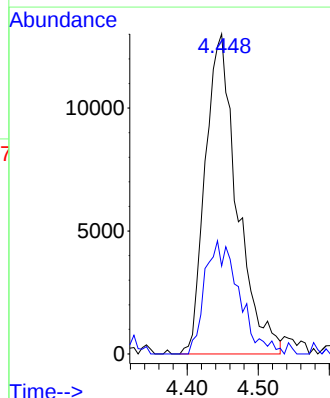
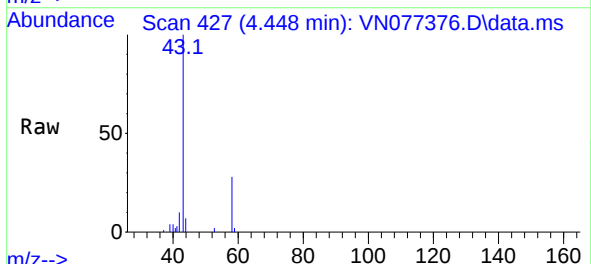
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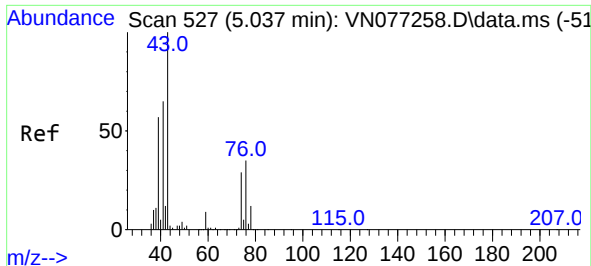
Tgt Ion: 64 Resp: 3244
Ion Ratio Lower Upper
64 100
66 0.0 26.9 40.3#



#16
Acetone
Concen: 15.080 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Tgt Ion: 43 Resp: 40557
Ion Ratio Lower Upper
43 100
58 27.5 29.0 43.6#

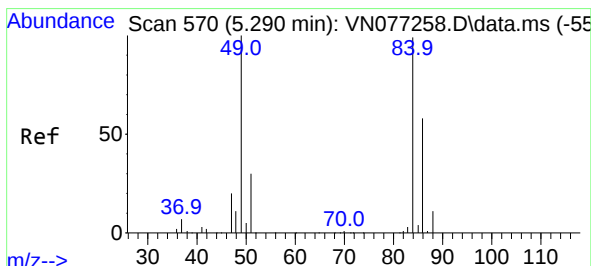
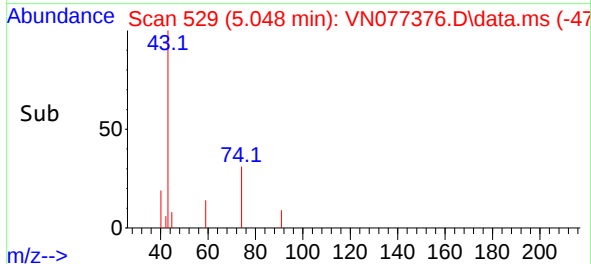
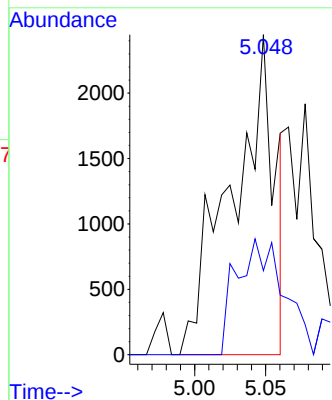
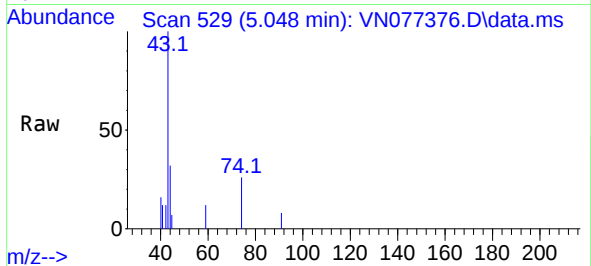




#18
Methyl Acetate
Concen: 0.503 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

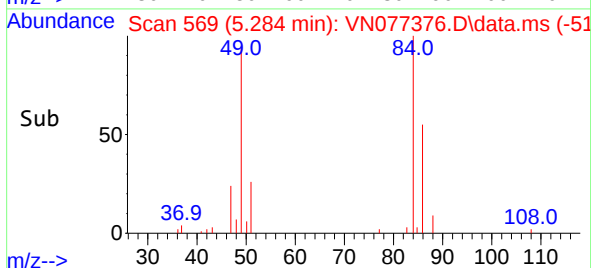
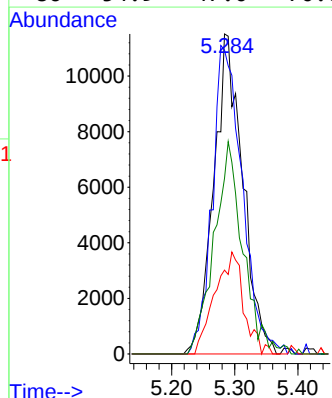
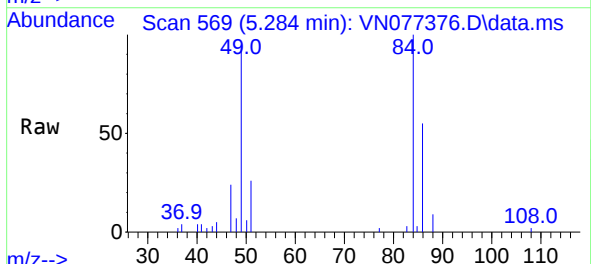
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#04

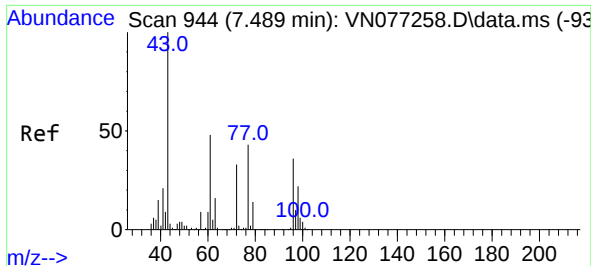
Tgt Ion: 43 Resp: 5148
Ion Ratio Lower Upper
43 100
74 39.6 23.4 35.2#



#20
Methylene Chloride
Concen: 4.821 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Tgt Ion: 84 Resp: 36615
Ion Ratio Lower Upper
84 100
49 95.0 80.6 121.0
51 26.2 24.4 36.6
86 54.9 47.0 70.6

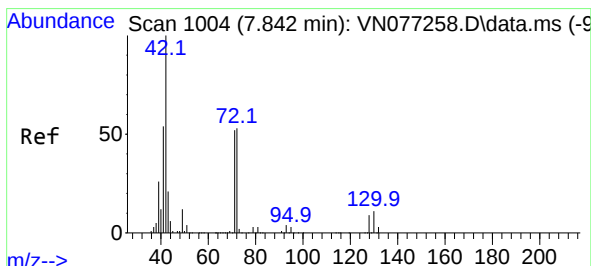
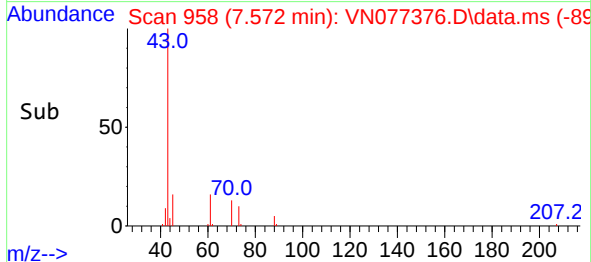
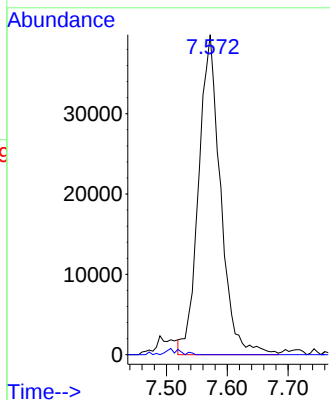
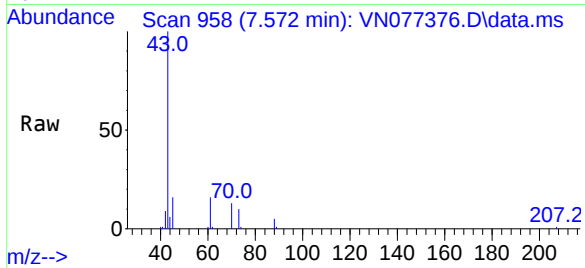




#25
2-Butanone
Concen: 22.831 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.083 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

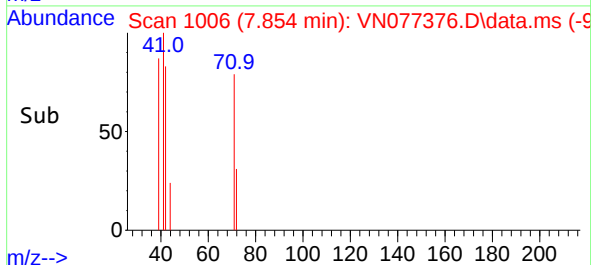
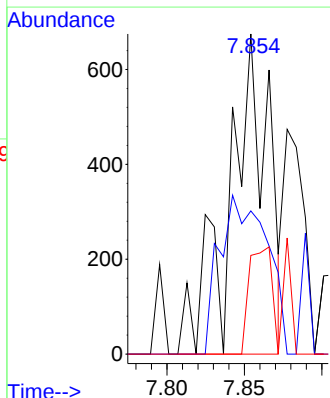
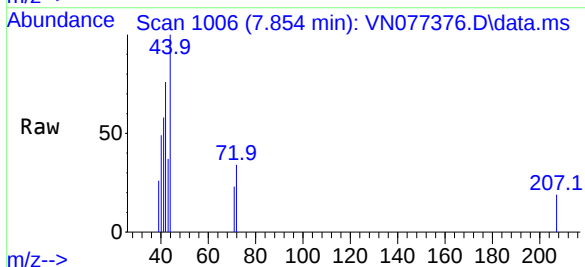
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#04

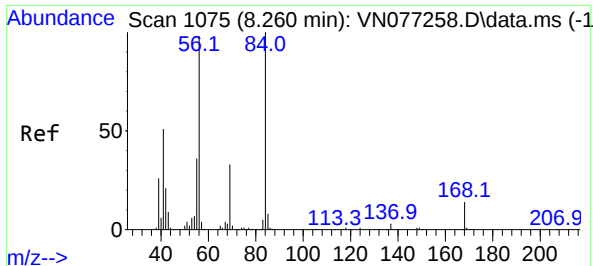
Tgt Ion: 43 Resp: 99657
Ion Ratio Lower Upper
43 100
72 0.0 26.6 39.8#



#29
Tetrahydrofuran
Concen: 0.425 ug/l
RT: 7.854 min Scan# 1006
Delta R.T. 0.012 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Tgt Ion: 42 Resp: 1192
Ion Ratio Lower Upper
42 100
72 60.1 44.6 66.8
71 0.0 41.3 61.9#





#31

Cyclohexane

Concen: 1.114 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.035 min

Lab File: VN077376.D

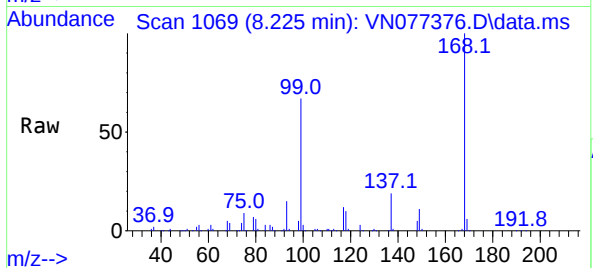
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Instrument :

MSVOA_N

ClientSampleId :

PB152199ZHE#04



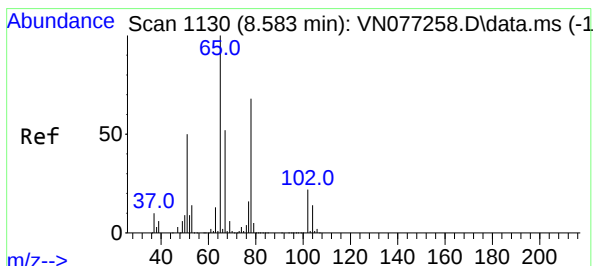
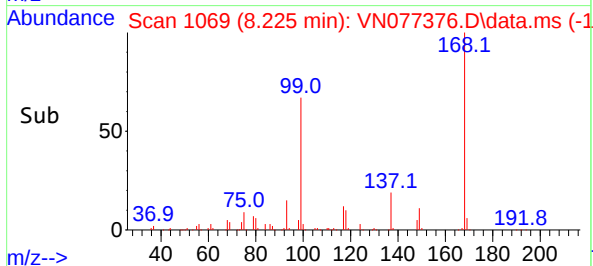
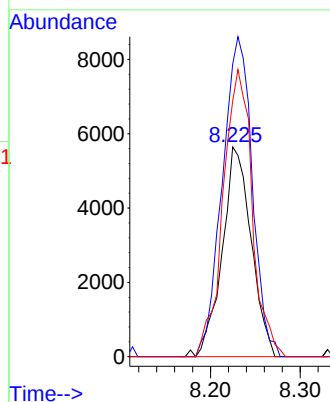
Tgt Ion: 56 Resp: 12628

Ion Ratio Lower Upper

56 100

69 139.4 26.6 40.0#

84 121.8 81.8 122.8



#33

1,2-Dichloroethane-d4

Concen: 45.974 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077376.D

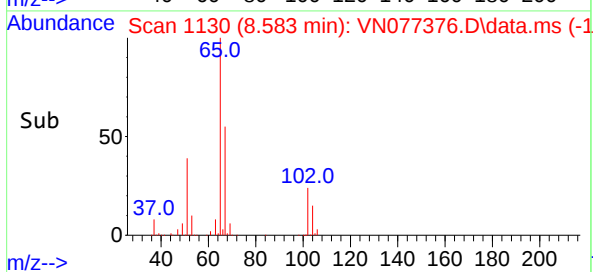
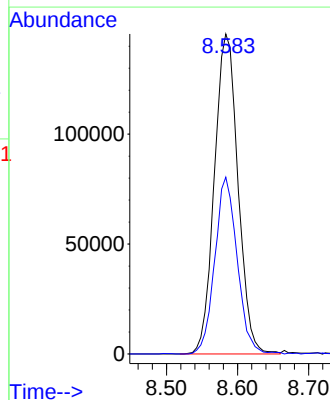
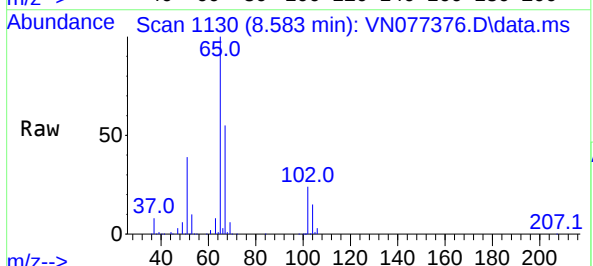
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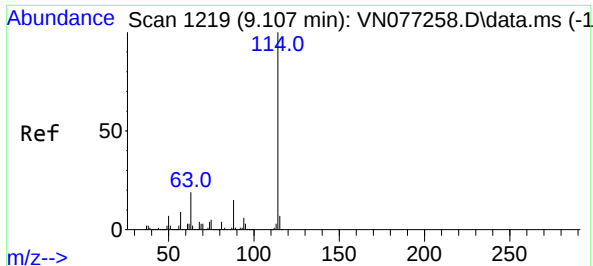
Tgt Ion: 65 Resp: 335355

Ion Ratio Lower Upper

65 100

67 52.4 0.0 108.8

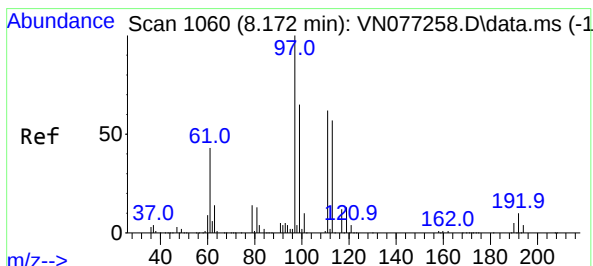
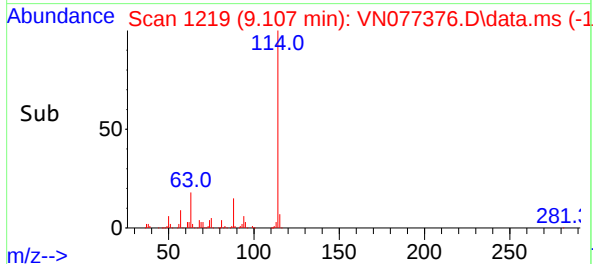
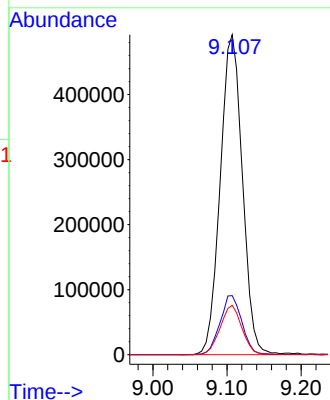
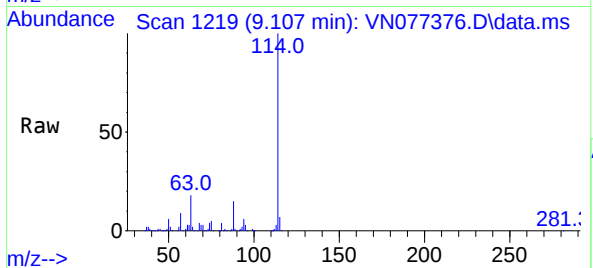




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

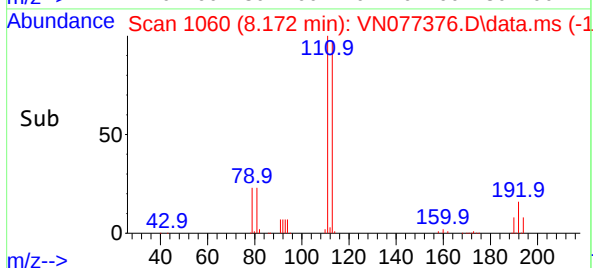
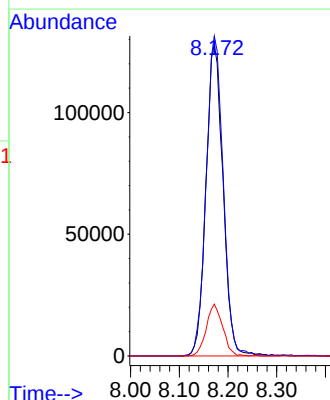
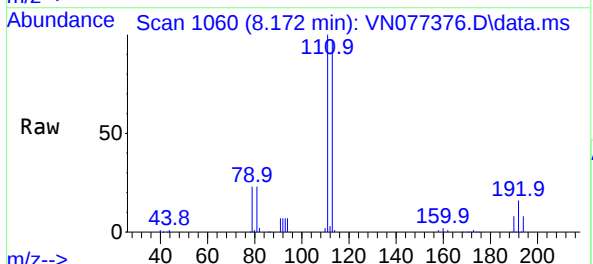
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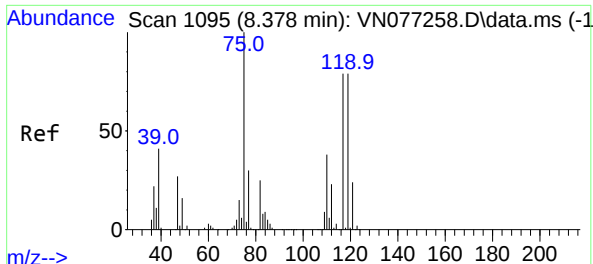
Tgt Ion:114 Resp: 1020084
Ion Ratio Lower Upper
114 100
63 18.4 0.0 37.8
88 15.4 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.586 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Tgt Ion:113 Resp: 310750
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.0
192 16.0 13.5 20.3

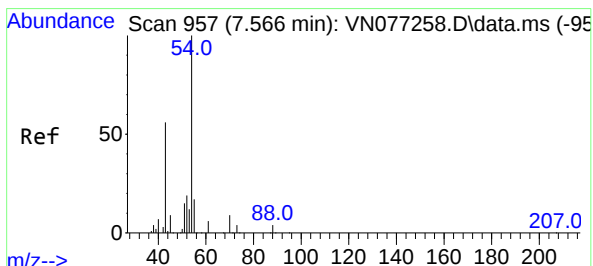
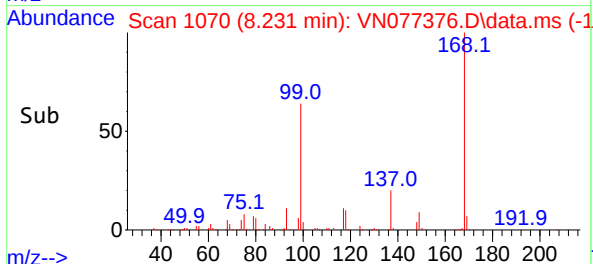
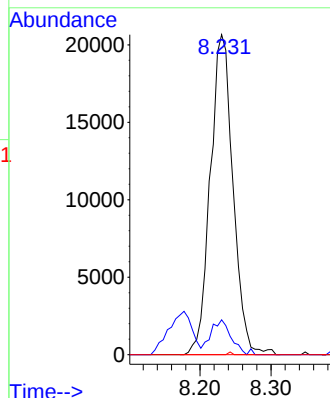
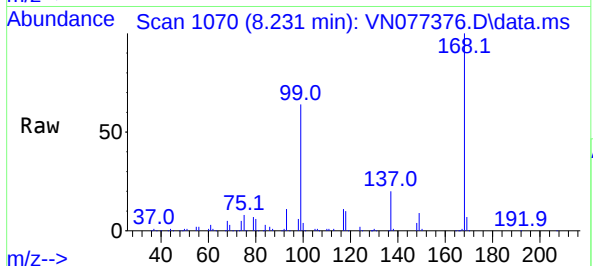




#36
1,1-Dichloropropene
Concen: 4.753 ug/l
RT: 8.231 min Scan# 1095
Delta R.T. -0.147 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

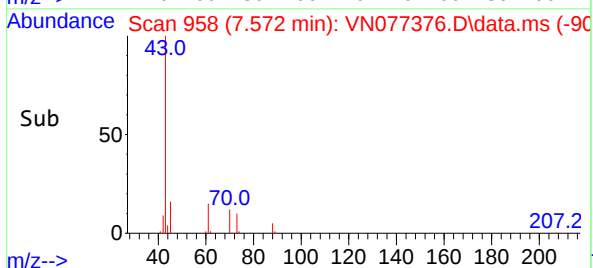
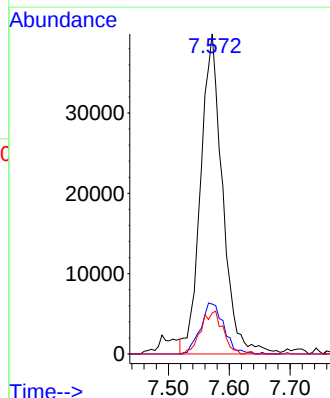
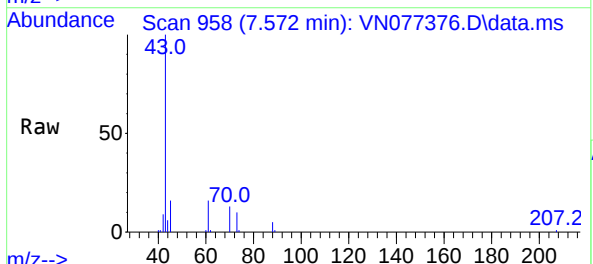
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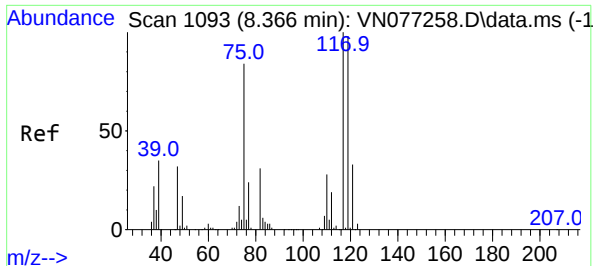
Tgt Ion: 75 Resp: 45909
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.1 25.0 37.4#



#37
Ethyl Acetate
Concen: 11.533 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Tgt Ion: 43 Resp: 99657
Ion Ratio Lower Upper
43 100
61 16.8 12.2 18.2
70 13.4 10.0 15.0

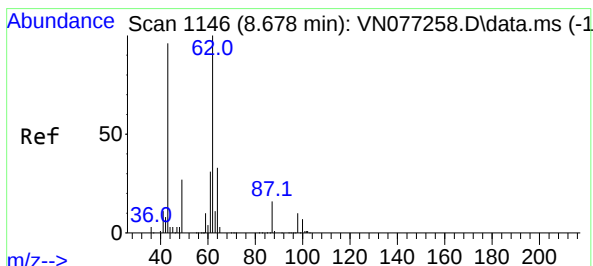
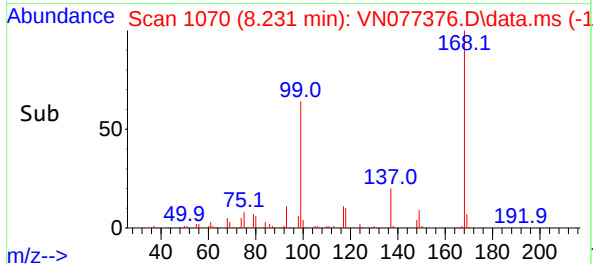
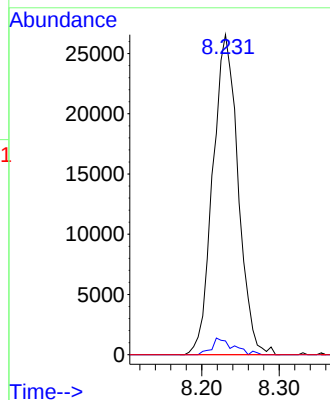
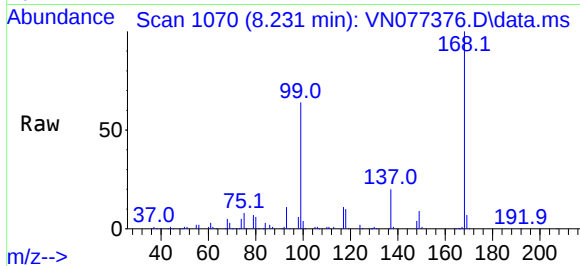




#38
Carbon Tetrachloride
Concen: 6.110 ug/l
RT: 8.231 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

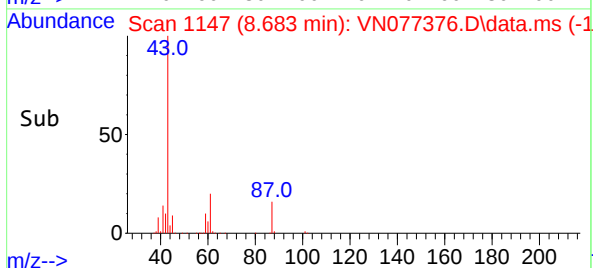
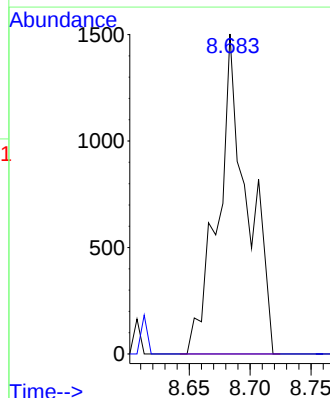
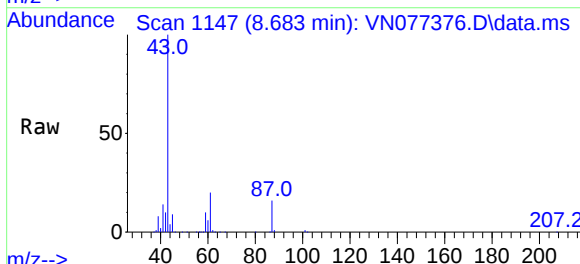
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#04

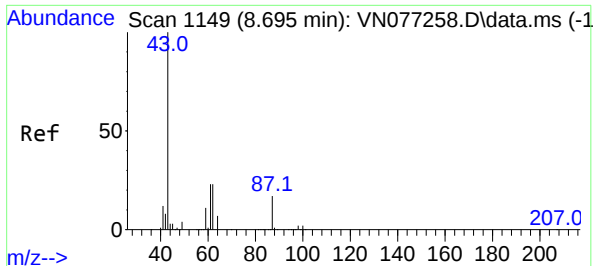
Tgt Ion:117 Resp: 60455
Ion Ratio Lower Upper
117 100
119 4.3 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.272 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Tgt Ion: 62 Resp: 2518
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2





#43

Isopropyl Acetate

Concen: 30.055 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN077376.D

Acq: 19 Apr 2023 15:33

Instrument :

MSVOA_N

ClientSampleId :

PB152199ZHE#04

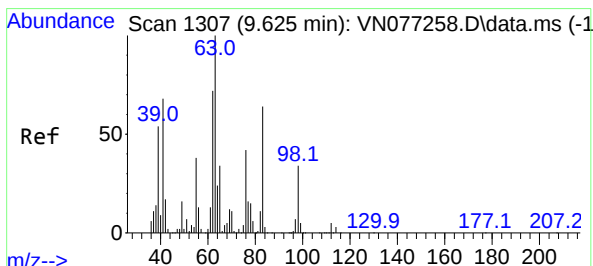
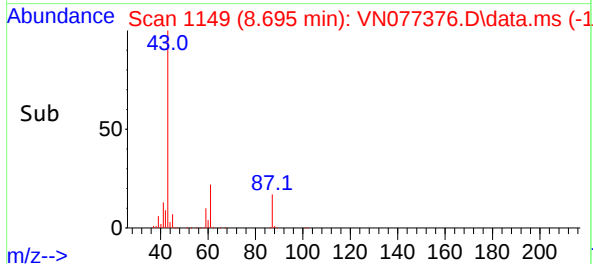
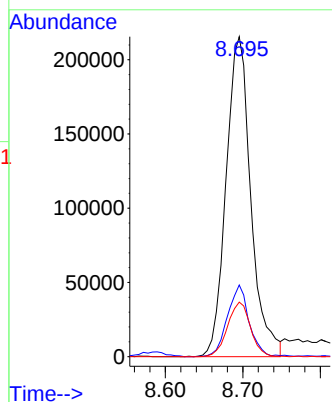
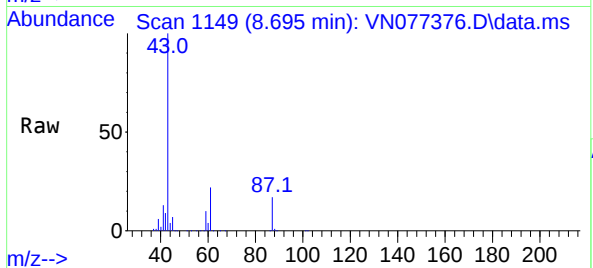
Tgt Ion: 43 Resp: 479243

Ion Ratio Lower Upper

43 100

61 19.7 22.7 34.1#

87 15.8 13.6 20.4



#45

1,2-Dichloropropane

Concen: 0.765 ug/l

RT: 9.748 min Scan# 1328

Delta R.T. 0.123 min

Lab File: VN077376.D

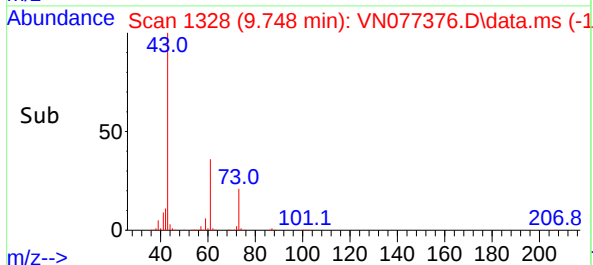
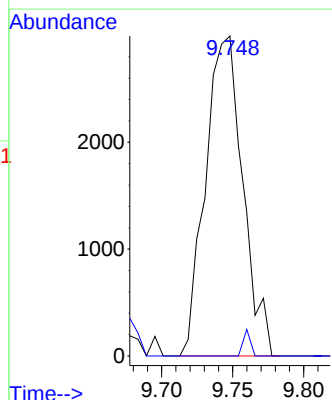
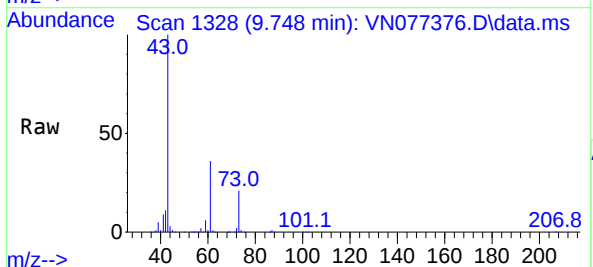
Acq: 19 Apr 2023 15:33

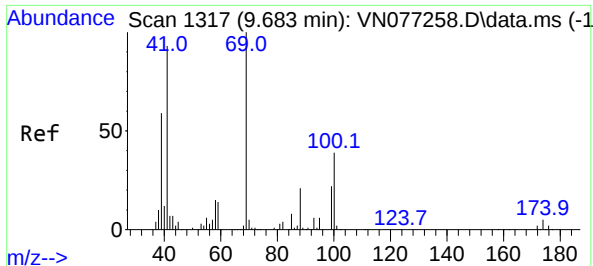
Tgt Ion: 63 Resp: 5473

Ion Ratio Lower Upper

63 100

65 0.0 27.1 40.7#

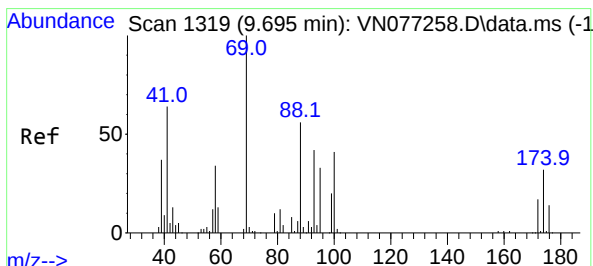
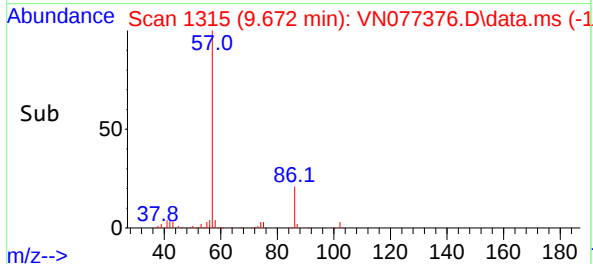
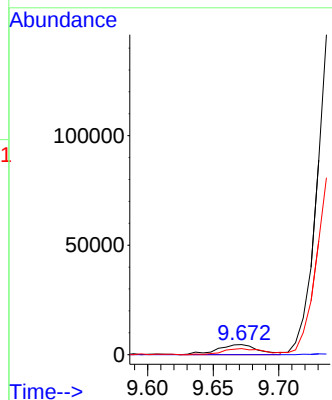
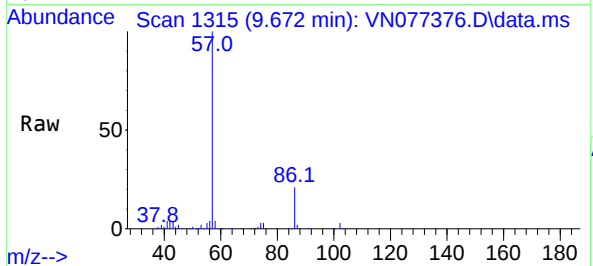




#48
Methyl methacrylate
Concen: 1.484 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

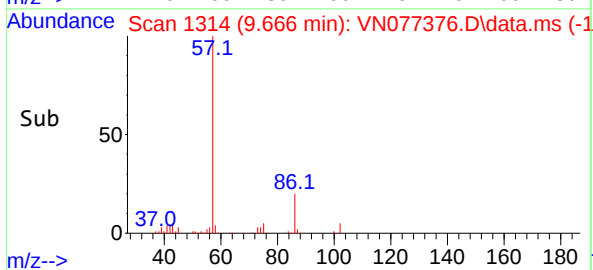
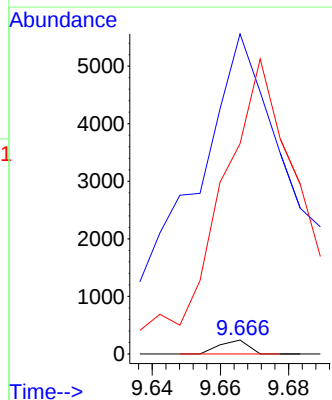
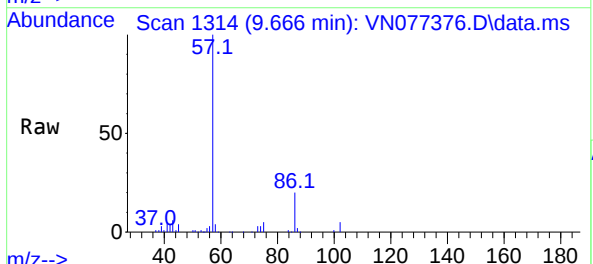
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#04

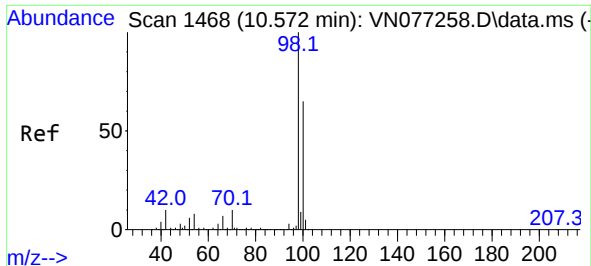
Tgt Ion: 41 Resp: 10094
Ion Ratio Lower Upper
41 100
69 0.0 85.0 127.6#
39 0.0 53.5 80.3#



#49
1,4-Dioxane
Concen: 0.855 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.029 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Tgt Ion: 88 Resp: 141
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 6473.0 49.8 74.6#

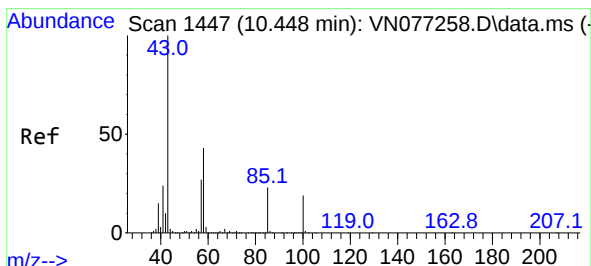
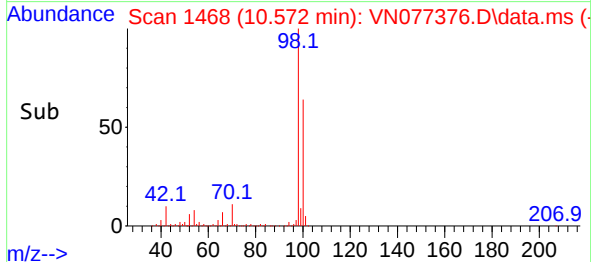
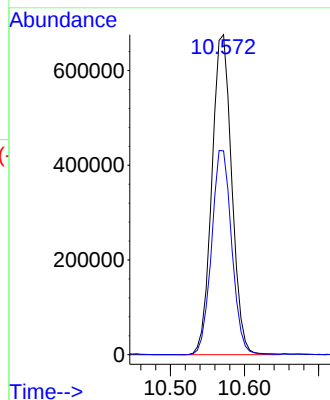
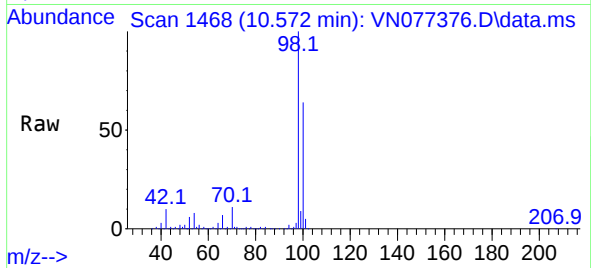




#50
Toluene-d8
Concen: 47.938 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

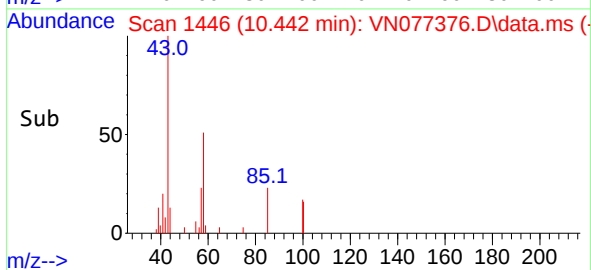
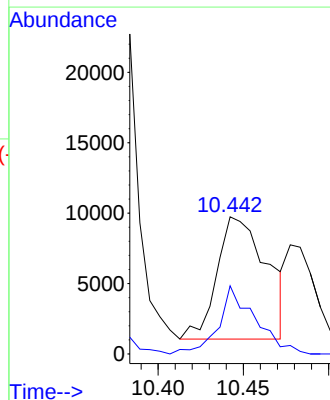
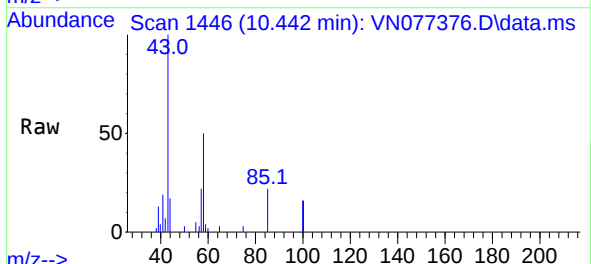
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#04

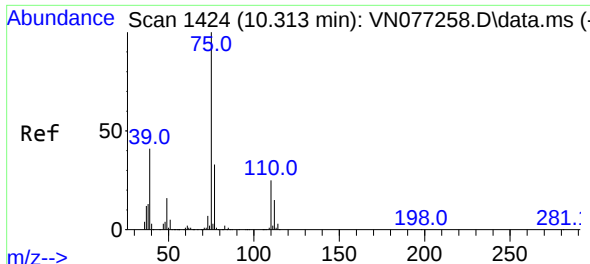
Tgt Ion: 98 Resp: 1260218
Ion Ratio Lower Upper
98 100
100 64.6 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.915 ug/l
RT: 10.442 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Tgt Ion: 43 Resp: 17652
Ion Ratio Lower Upper
43 100
58 40.9 34.6 52.0

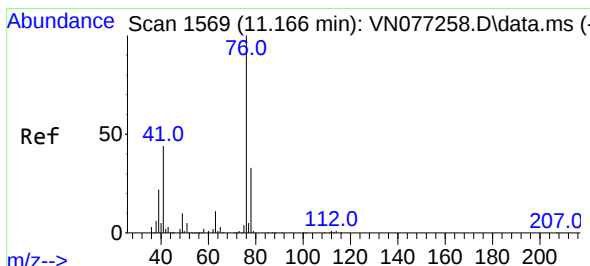
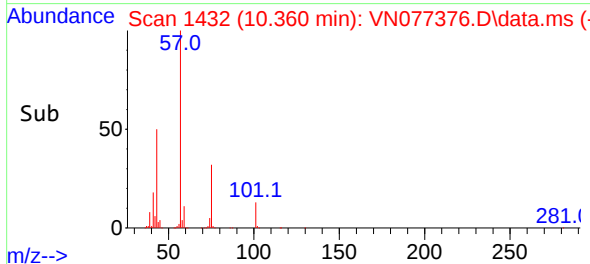
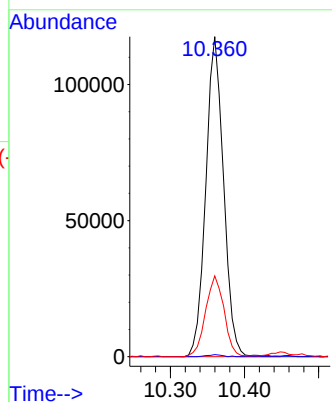
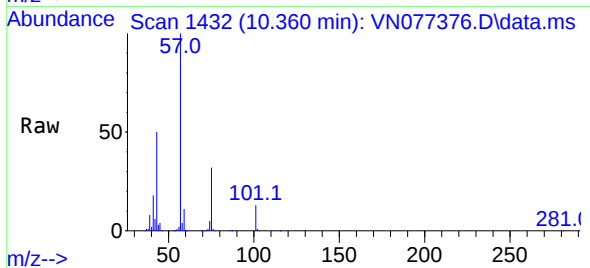




#54
 cis-1,3-Dichloropropene
 Concen: 15.705 ug/l
 RT: 10.360 min Scan# 1424
 Delta R.T. 0.047 min
 Lab File: VN077376.D
 Acq: 19 Apr 2023 15:33

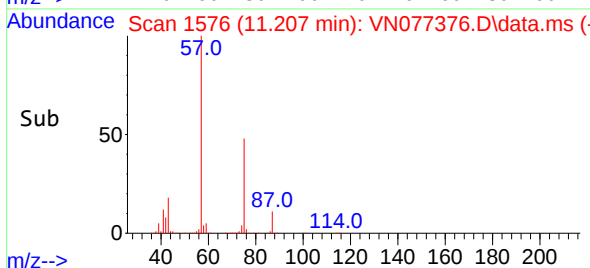
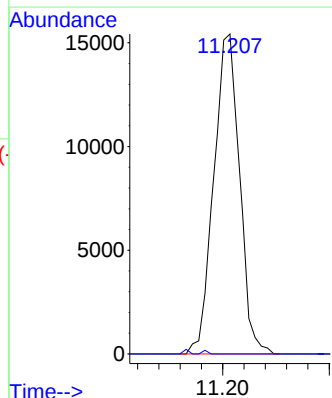
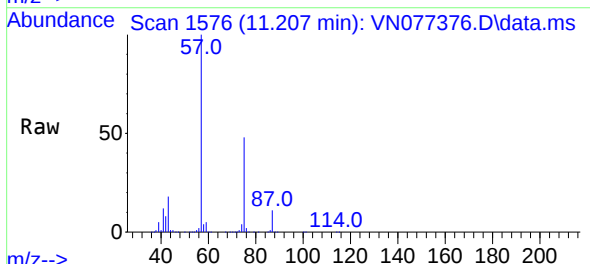
Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#04

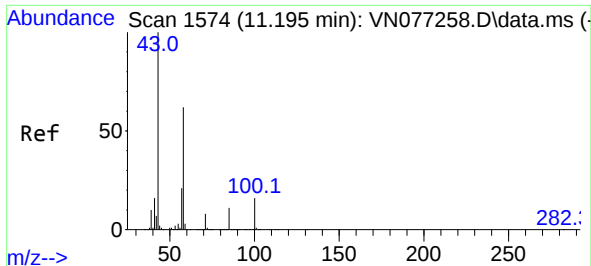
Tgt Ion: 75 Resp: 195718
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.7 40.1#
 39 25.2 32.8 49.2#



#57
 1,3-Dichloropropane
 Concen: 2.025 ug/l
 RT: 11.207 min Scan# 1576
 Delta R.T. 0.041 min
 Lab File: VN077376.D
 Acq: 19 Apr 2023 15:33

Tgt Ion: 76 Resp: 25897
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

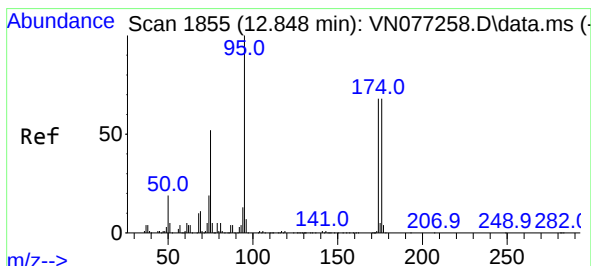
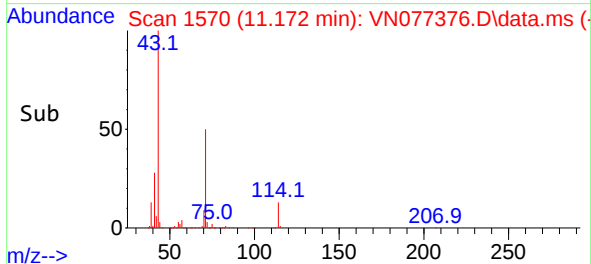
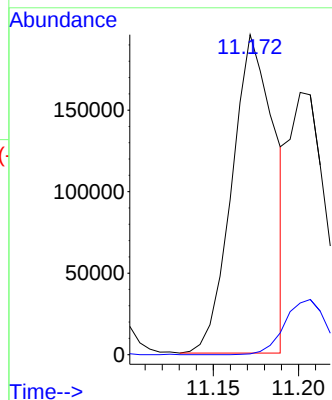
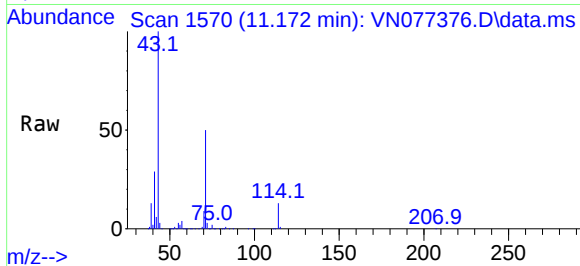




#59
2-Hexanone
Concen: 49.327 ug/l
RT: 11.172 min Scan# 11170
Delta R.T. -0.023 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

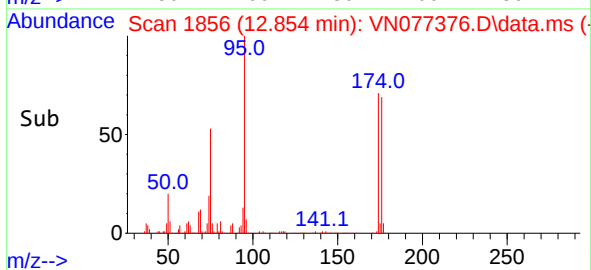
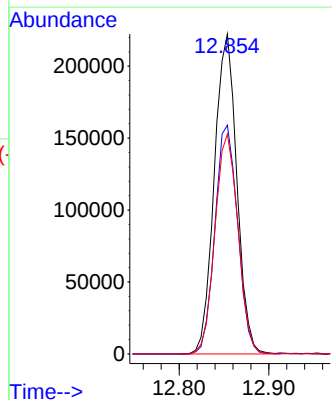
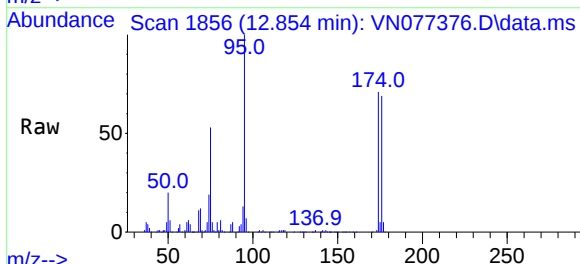
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#04

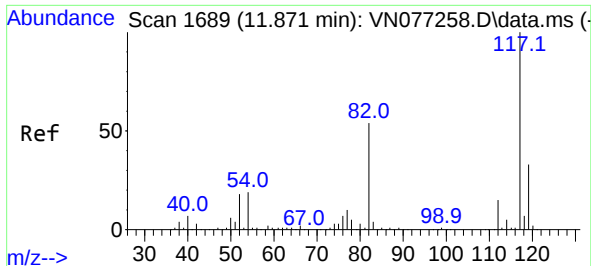
Tgt Ion: 43 Resp: 338703
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 44.245 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Tgt Ion: 95 Resp: 386850
Ion Ratio Lower Upper
95 100
174 72.3 0.0 146.8
176 70.1 0.0 139.6

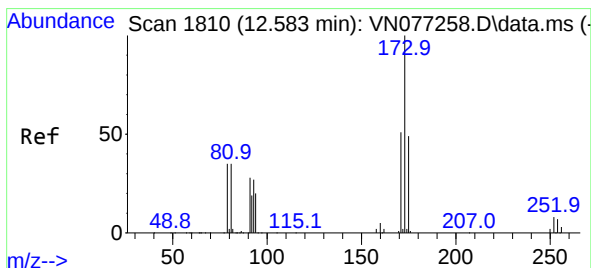
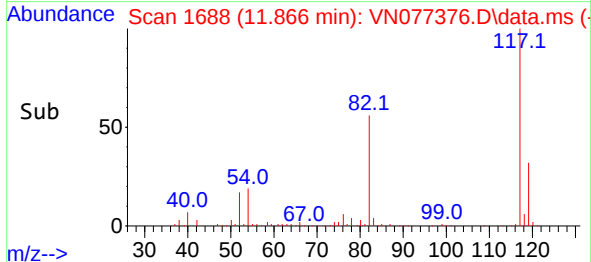
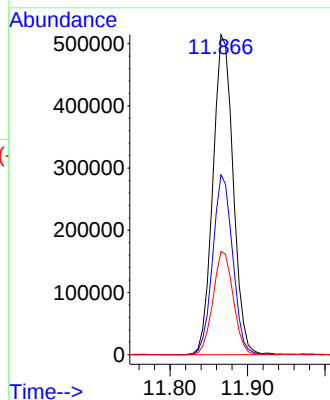
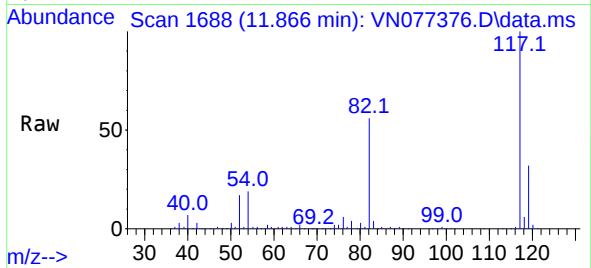




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

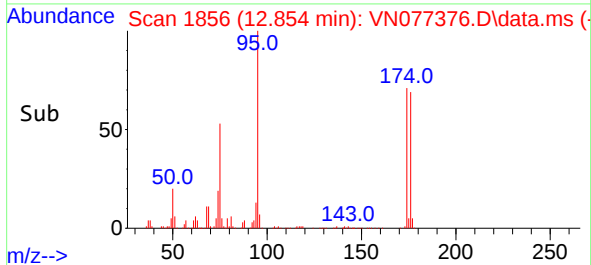
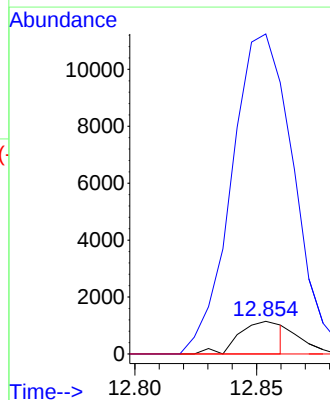
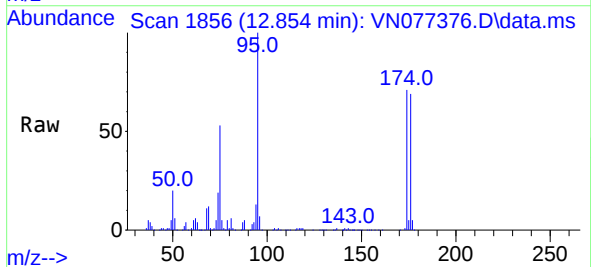
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#04

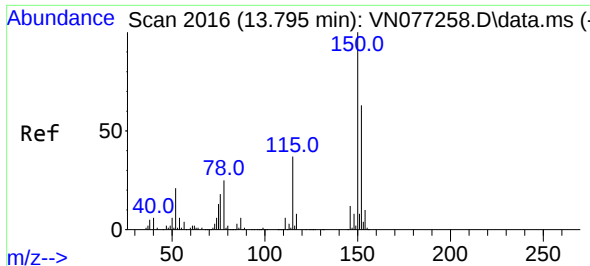
Tgt Ion:117 Resp: 934062
Ion Ratio Lower Upper
117 100
82 56.2 42.9 64.3
119 32.3 26.2 39.4



#71
Bromoform
Concen: 0.261 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

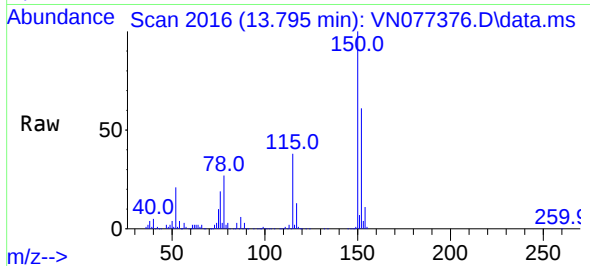
Tgt Ion:173 Resp: 1432
Ion Ratio Lower Upper
173 100
175 1125.1 24.1 72.4#
254 0.0 0.1 0.1#



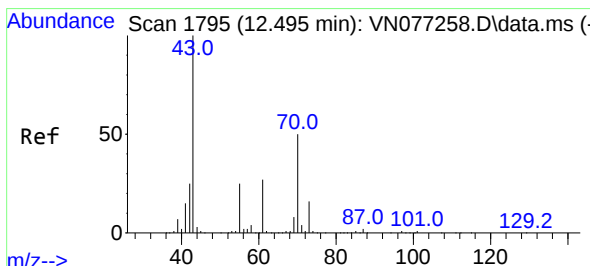
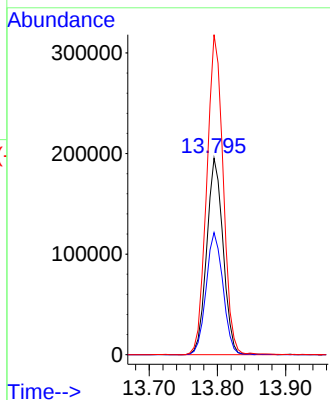
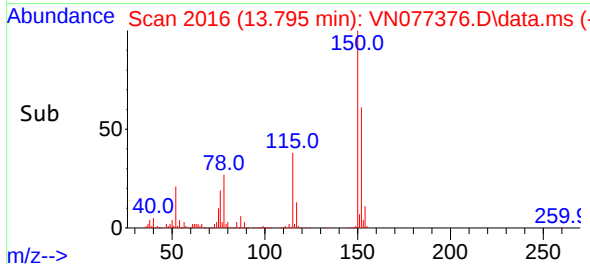


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#04

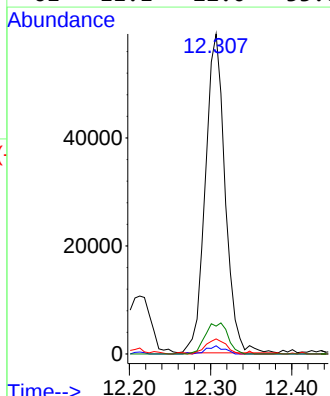
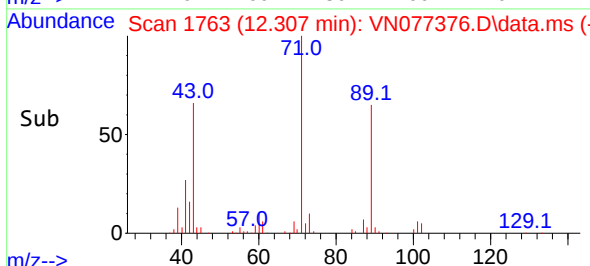
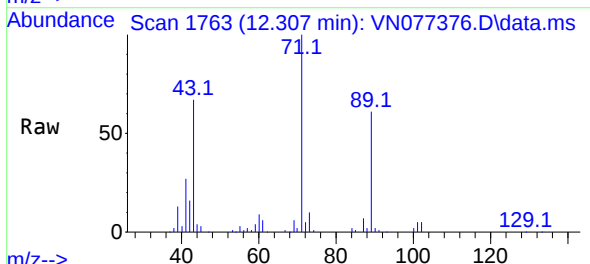


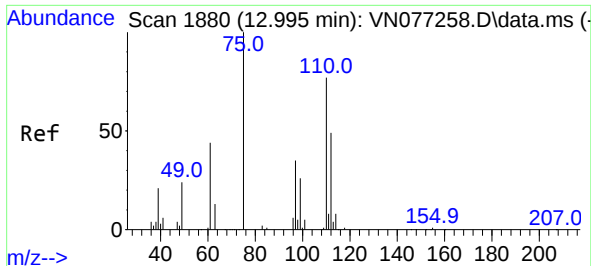
Tgt Ion:152 Resp: 326255
Ion Ratio Lower Upper
152 100
115 64.2 32.1 96.3
150 163.8 0.0 354.8



#74
N-ethyl acetate
Concen: 8.281 ug/l
RT: 12.307 min Scan# 1763
Delta R.T. -0.188 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Tgt Ion: 43 Resp: 99443
Ion Ratio Lower Upper
43 100
70 2.2 41.0 61.6#
55 4.8 19.3 28.9#
61 11.1 22.0 33.0#

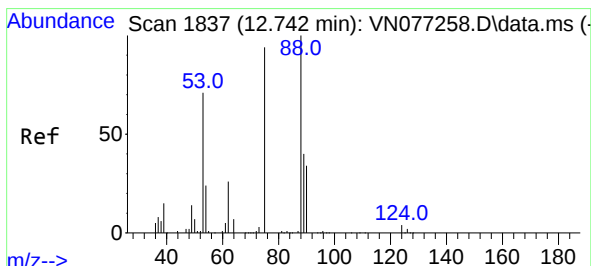
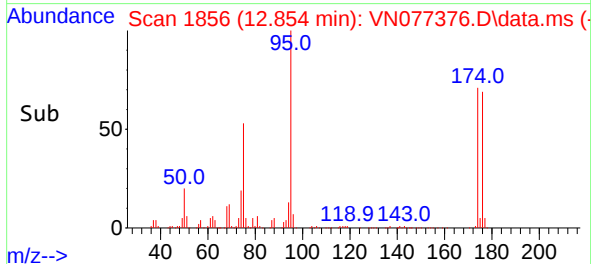
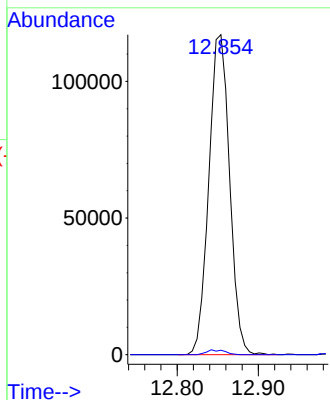
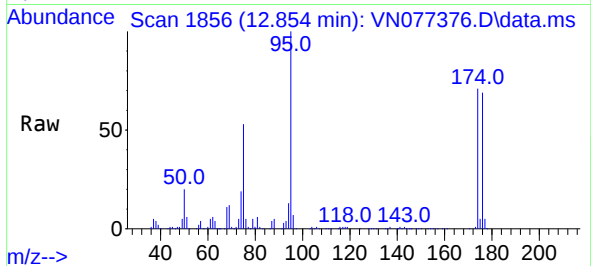




#76
1,2,3-Trichloropropane
Concen: 26.802 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#04

Tgt Ion: 75 Resp: 208225
Ion Ratio Lower Upper
75 100
77 1.3 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.313 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077376.D
Acq: 19 Apr 2023 15:33

Tgt Ion: 75 Resp: 208225
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

