

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077523.D
 Acq On : 29 Apr 2023 16:52
 Operator : JC\MD
 Sample : PB152434ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152434ZHE#07

Quant Time: May 01 01:24:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

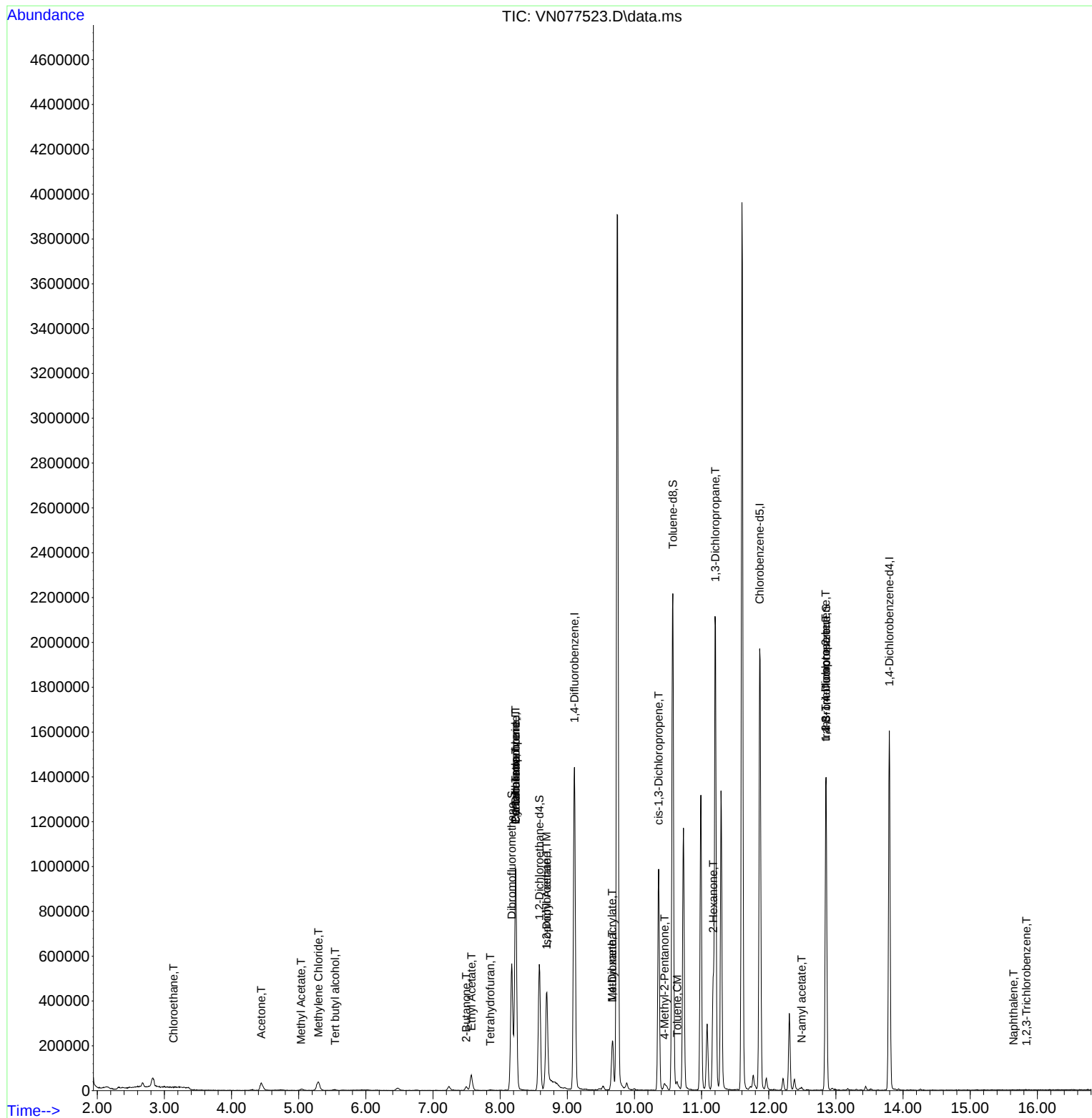
Internal Standards						
1) Pentafluorobenzene	8.231	168	687644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1324162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1241193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	441425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	463660	51.673	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.340%			
35) Dibromofluoromethane	8.172	113	405587	50.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.920%			
50) Toluene-d8	10.572	98	1612622	52.868	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.740%			
62) 4-Bromofluorobenzene	12.854	95	528777	52.985	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.980%			
Target Compounds						Qvalue
6) Chloroethane	3.137	64	1820	0.261	ug/l #	43
11) Tert butyl alcohol	5.542	59	5756	3.996	ug/l	97
16) Acetone	4.443	43	60798	21.298	ug/l	100
18) Methyl Acetate	5.037	43	10862	0.985	ug/l #	73
20) Methylene Chloride	5.295	84	33340	3.683	ug/l #	89
25) 2-Butanone	7.495	43	23218	5.734	ug/l #	86
29) Tetrahydrofuran	7.854	42	1661	0.655	ug/l #	42
31) Cyclohexane	8.231	56	16502	1.298	ug/l #	47
36) 1,1-Dichloropropene	8.231	75	59976	5.216	ug/l #	49
37) Ethyl Acetate	7.572	43	95257	10.902	ug/l	99
38) Carbon Tetrachloride	8.231	117	75657	5.964	ug/l #	16
42) 1,2-Dichloroethane	8.689	62	3354	0.279	ug/l #	73
43) Isopropyl Acetate	8.695	43	534537	35.364	ug/l #	84
48) Methyl methacrylate	9.666	41	12932	1.880	ug/l #	32
49) 1,4-Dioxane	9.666	88	289	1.675	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	17163	1.936	ug/l	92
52) Toluene	10.636	92	12321	0.537	ug/l	87
54) cis-1,3-Dichloropropene	10.360	75	210820	14.853	ug/l #	60
57) 1,3-Dichloropropane	11.207	76	25390	1.727	ug/l #	42
59) 2-Hexanone	11.172	43	353381	54.834	ug/l #	19
74) N-amyl acetate	12.489	43	3486	0.287	ug/l #	46
76) 1,2,3-Trichloropropane	12.848	75	283332	27.602	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	283332	77.981	ug/l #	15
95) Naphthalene	15.648	128	960	1.222	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.836	180	67	0.496	ug/l #	13

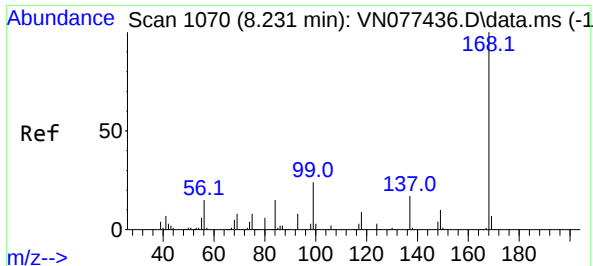
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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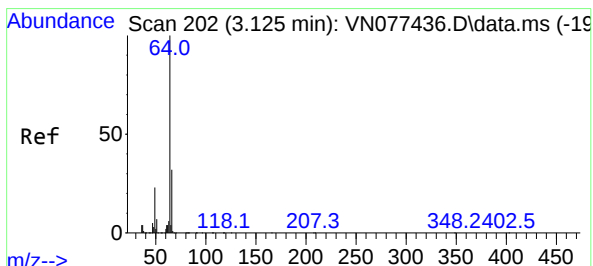
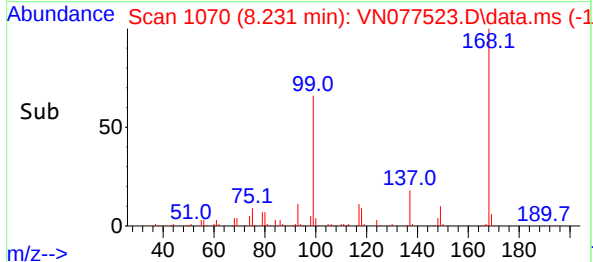
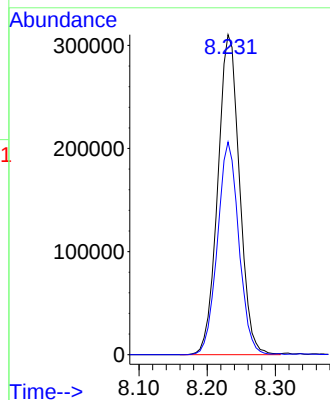
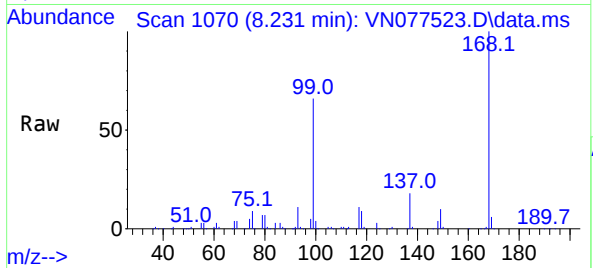




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

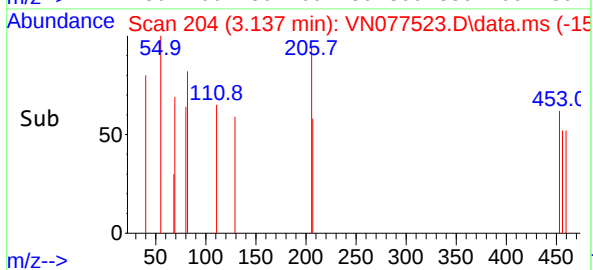
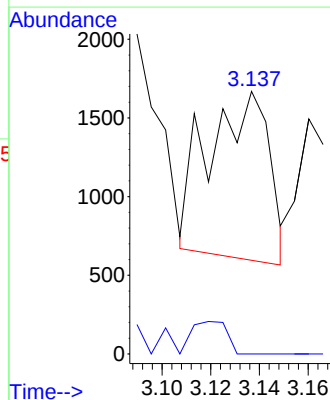
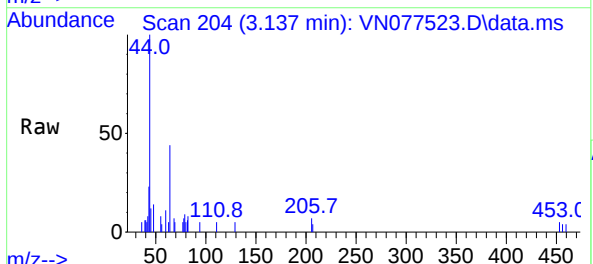
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#07

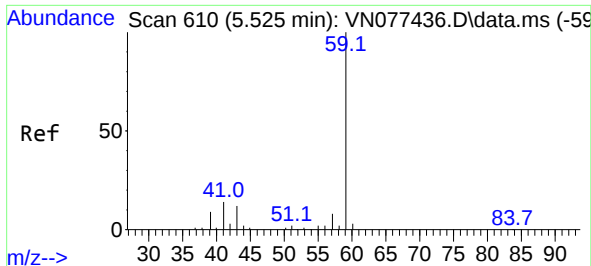
Tgt Ion:168 Resp: 687644
Ion Ratio Lower Upper
168 100
99 66.5 53.0 79.6



#6
Chloroethane
Concen: 0.261 ug/l
RT: 3.137 min Scan# 204
Delta R.T. 0.012 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

Tgt Ion: 64 Resp: 1820
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

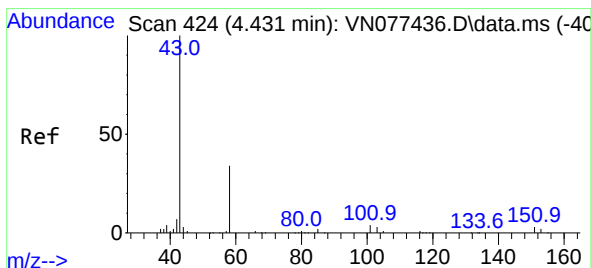
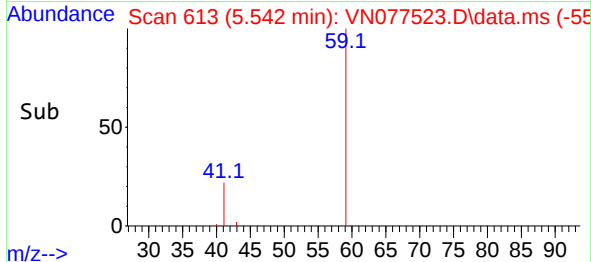
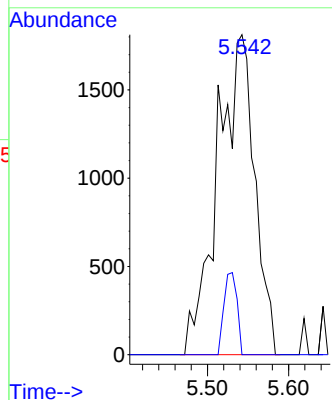
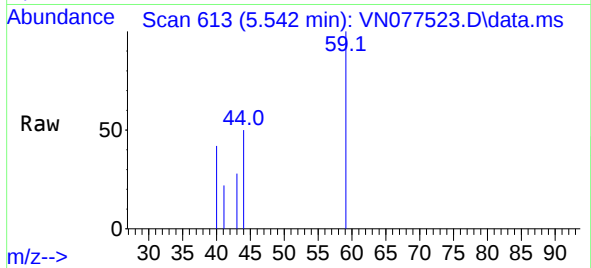




#11
Tert butyl alcohol
Concen: 3.996 ug/l
RT: 5.542 min Scan# 611
Delta R.T. 0.018 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

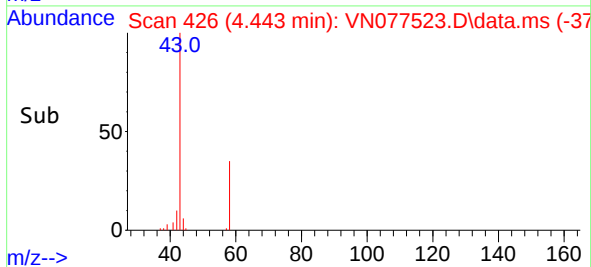
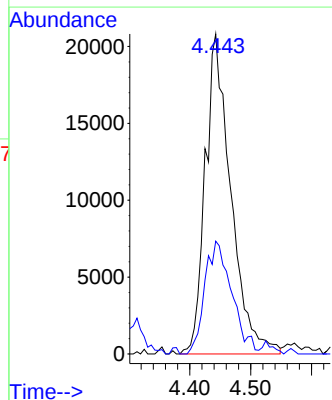
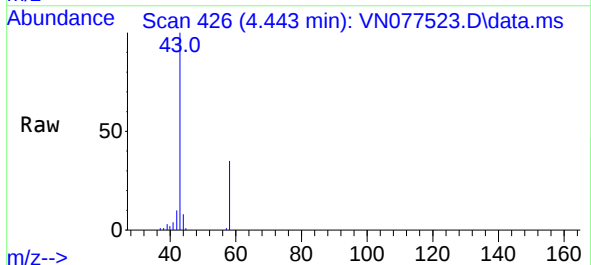
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#07

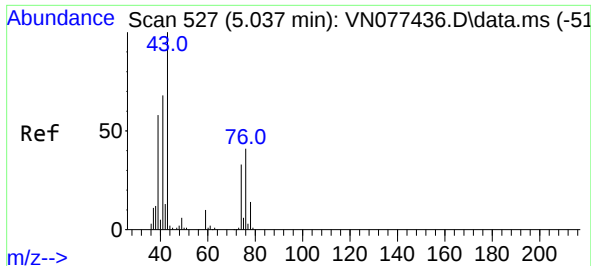
Tgt Ion: 59 Resp: 5756
Ion Ratio Lower Upper
59 100
57 9.0 8.2 12.4



#16
Acetone
Concen: 21.298 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

Tgt Ion: 43 Resp: 60798
Ion Ratio Lower Upper
43 100
58 35.3 28.0 42.0

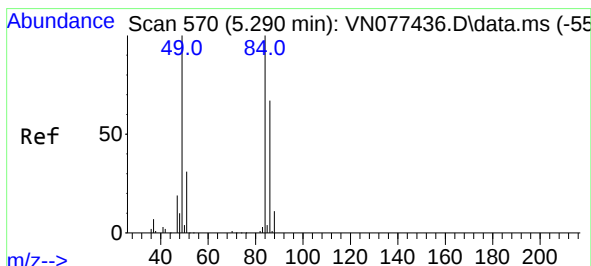
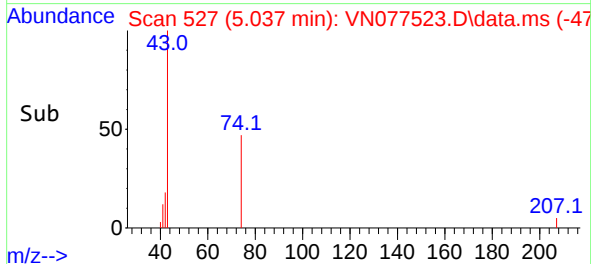
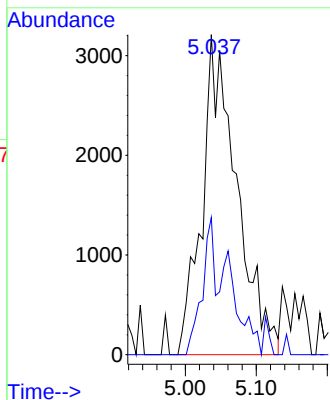
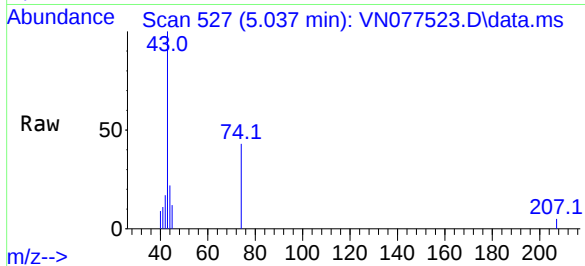




#18
Methyl Acetate
Concen: 0.985 ug/l
RT: 5.037 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

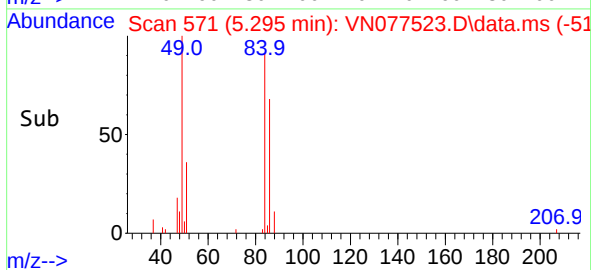
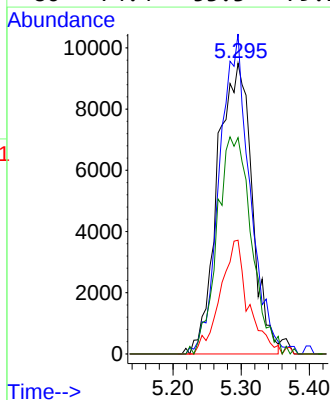
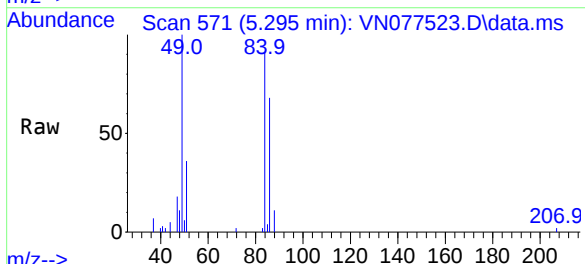
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#07

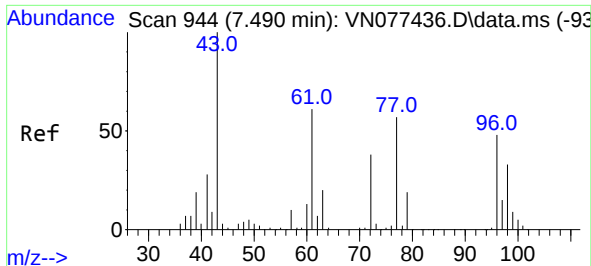
Tgt Ion: 43 Resp: 10862
Ion Ratio Lower Upper
43 100
74 17.3 26.2 39.4#



#20
Methylene Chloride
Concen: 3.683 ug/l
RT: 5.295 min Scan# 571
Delta R.T. 0.006 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

Tgt Ion: 84 Resp: 33340
Ion Ratio Lower Upper
84 100
49 110.1 79.7 119.5
51 39.1 25.2 37.8#
86 74.4 53.3 79.9

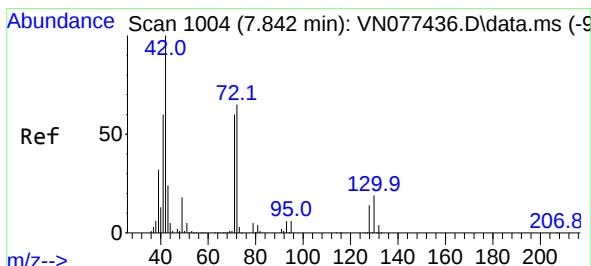
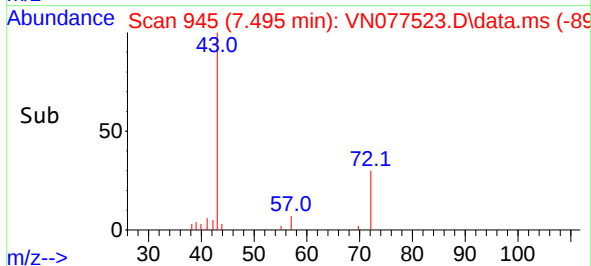
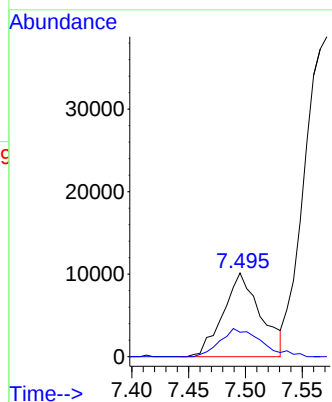
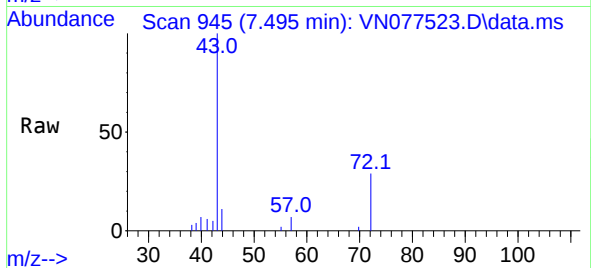




#25
2-Butanone
Concen: 5.734 ug/l
RT: 7.495 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

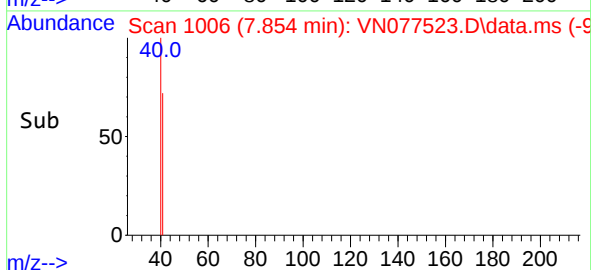
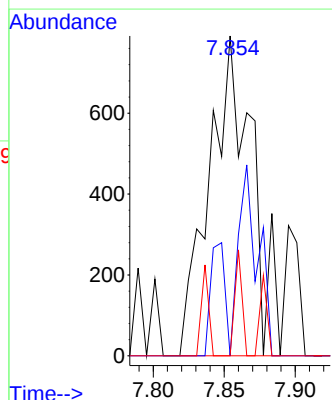
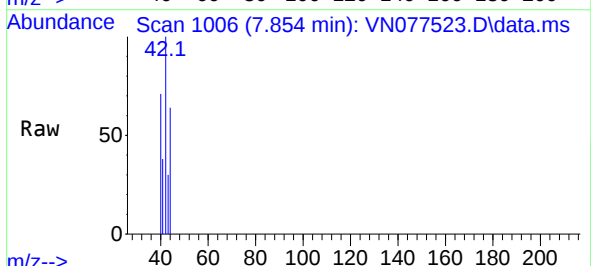
Instrument :
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ClientSampleId :
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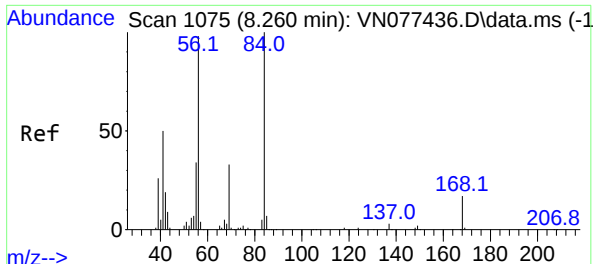
Tgt Ion: 43 Resp: 23218
Ion Ratio Lower Upper
43 100
72 29.2 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.655 ug/l
RT: 7.854 min Scan# 1006
Delta R.T. 0.012 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

Tgt Ion: 42 Resp: 1661
Ion Ratio Lower Upper
42 100
72 27.0 49.8 74.6#
71 5.5 47.4 71.2#





#31

Cyclohexane

Concen: 1.298 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.030 min

Lab File: VN077523.D

Acq: 29 Apr 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :

PB152434ZHE#07

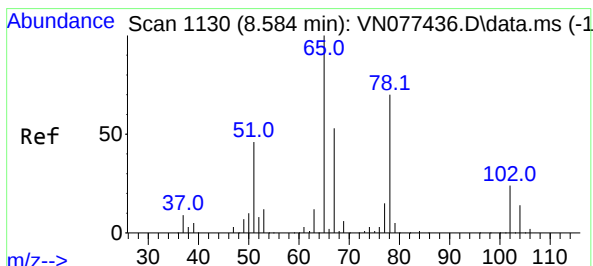
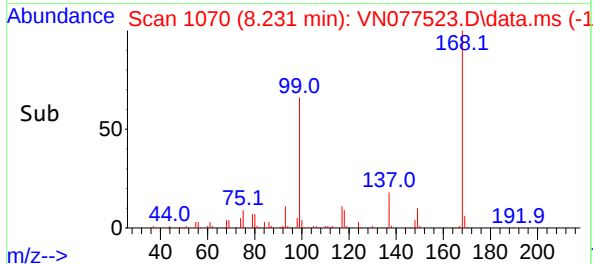
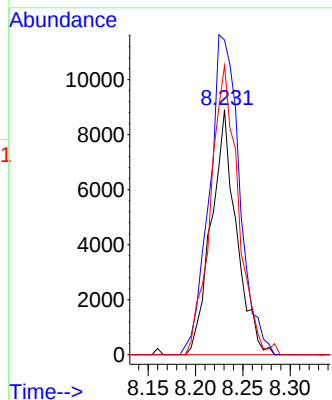
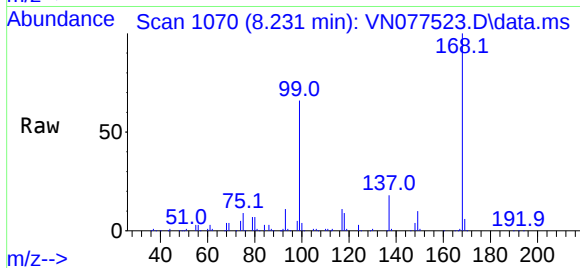
Tgt Ion: 56 Resp: 16502

Ion Ratio Lower Upper

56 100

69 128.5 26.8 40.2#

84 118.0 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 51.673 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077523.D

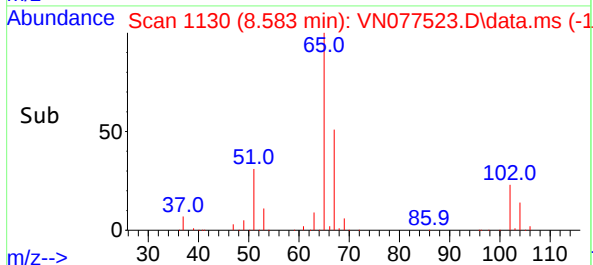
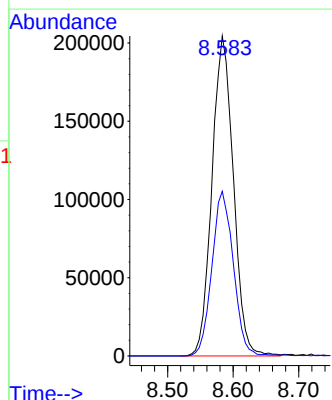
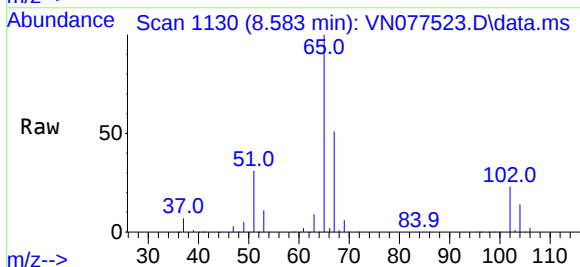
Acq: 29 Apr 2023 16:52

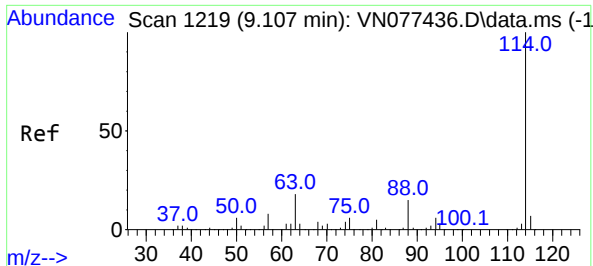
Tgt Ion: 65 Resp: 463660

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

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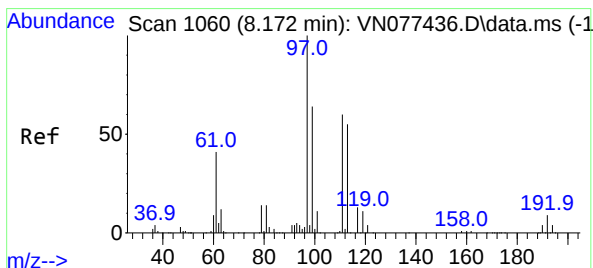
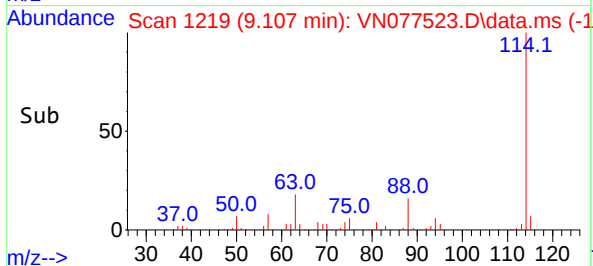
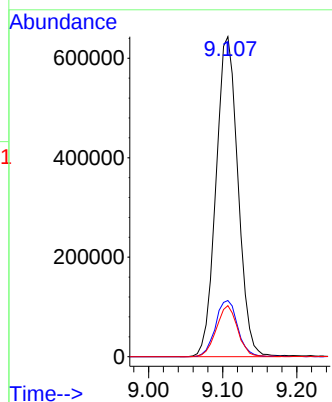
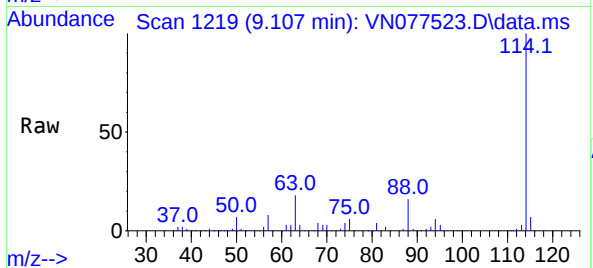
Tgt Ion:114 Resp: 1324162

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.961 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077523.D

Acq: 29 Apr 2023 16:52

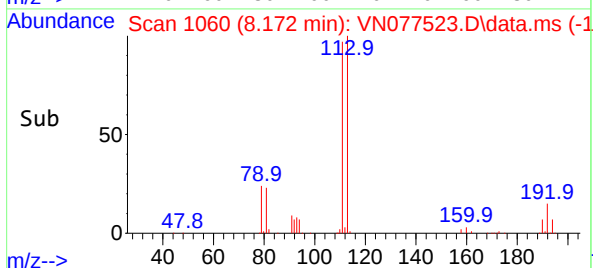
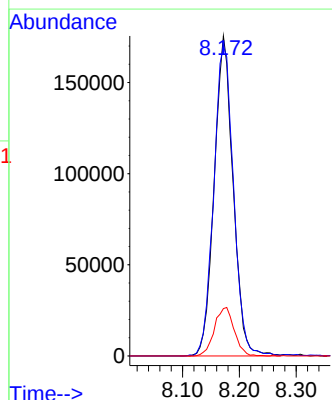
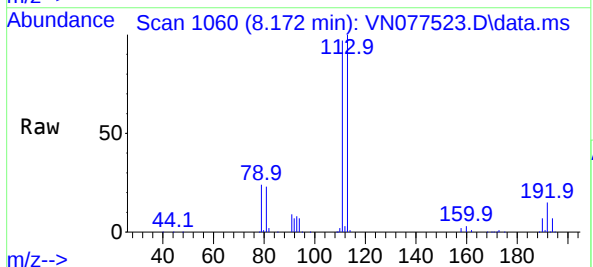
Tgt Ion:113 Resp: 405587

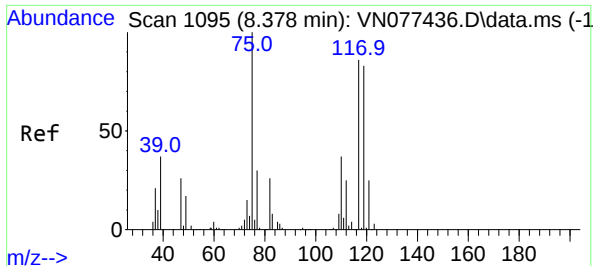
Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

192 15.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.216 ug/l

RT: 8.231 min Scan# 1095

Delta R.T. -0.147 min

Lab File: VN077523.D

Acq: 29 Apr 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :

PB152434ZHE#07

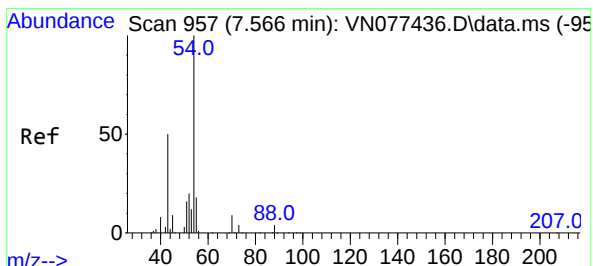
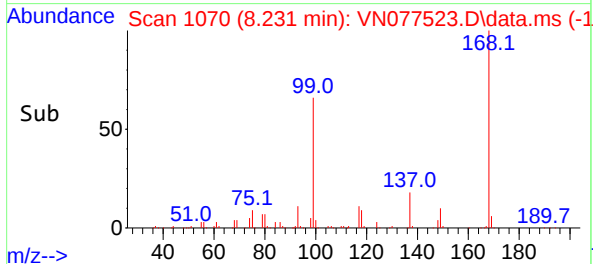
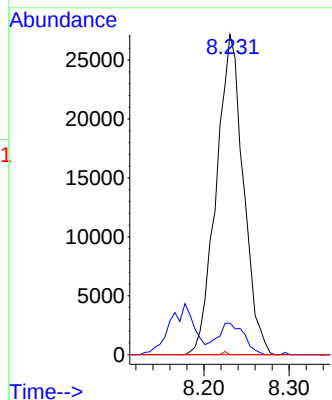
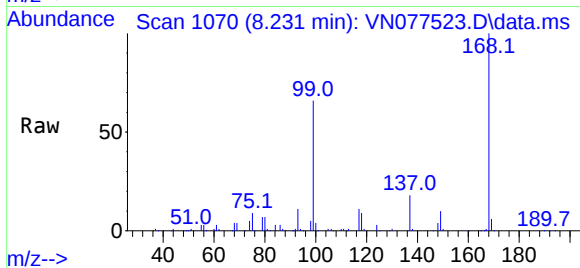
Tgt Ion: 75 Resp: 59976

Ion Ratio Lower Upper

75 100

110 9.9 19.1 57.3#

77 0.2 25.0 37.4#



#37

Ethyl Acetate

Concen: 10.902 ug/l

RT: 7.572 min Scan# 958

Delta R.T. 0.006 min

Lab File: VN077523.D

Acq: 29 Apr 2023 16:52

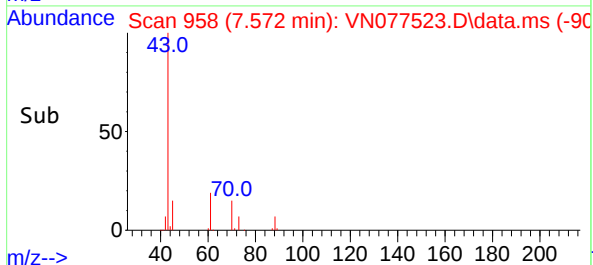
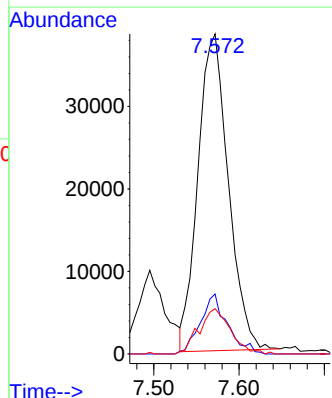
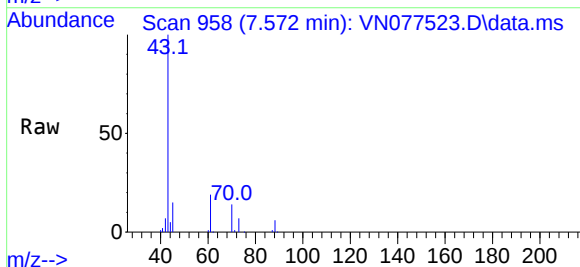
Tgt Ion: 43 Resp: 95257

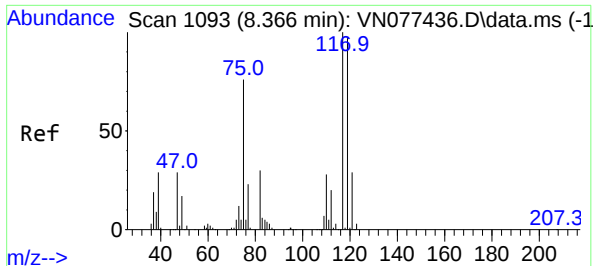
Ion Ratio Lower Upper

43 100

61 16.8 13.2 19.8

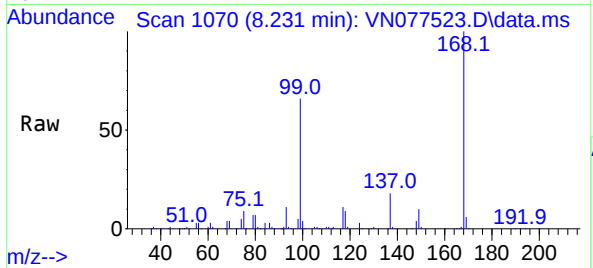
70 14.8 11.3 16.9



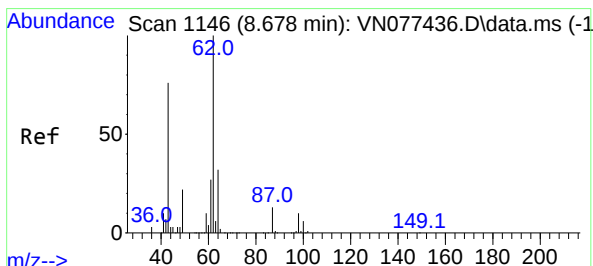
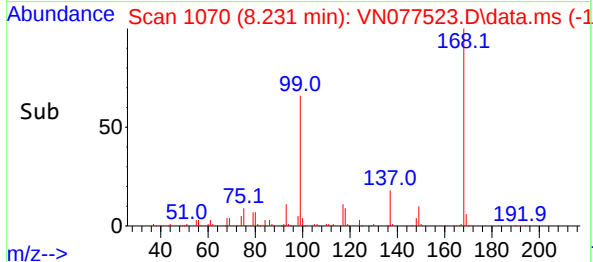
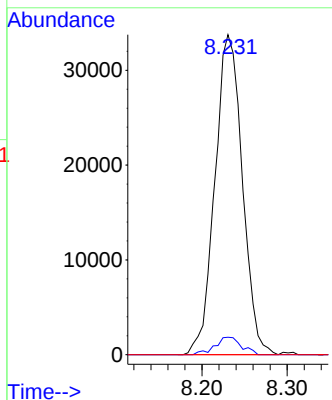


#38
Carbon Tetrachloride
Concen: 5.964 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#07

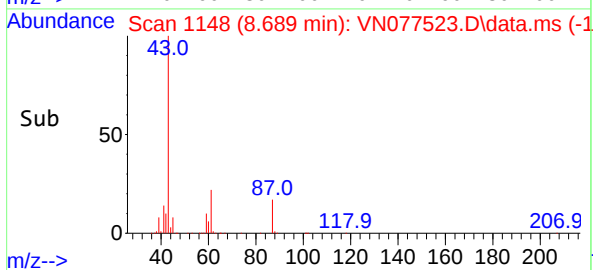
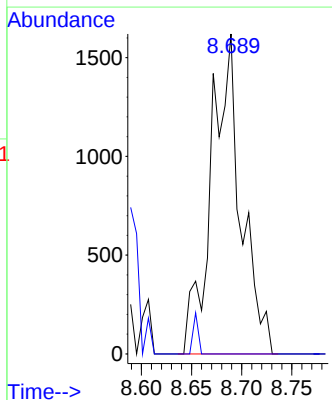
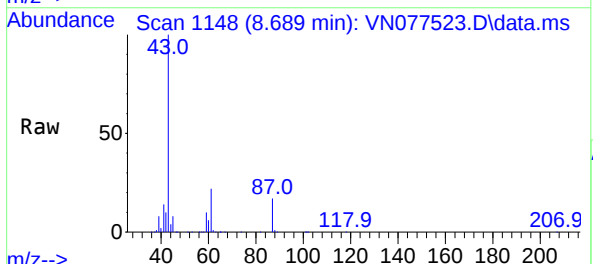


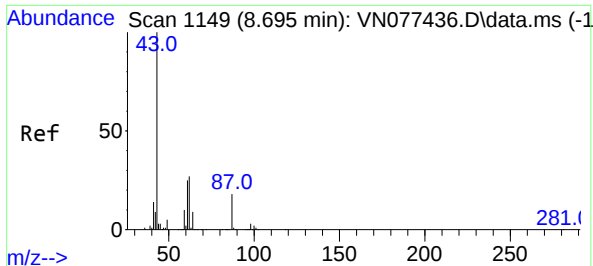
Tgt Ion:117 Resp: 75657
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.279 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.012 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

Tgt Ion: 62 Resp: 3354
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

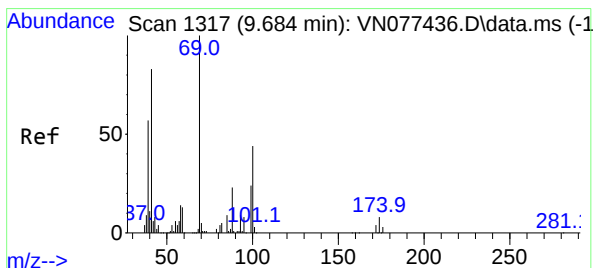
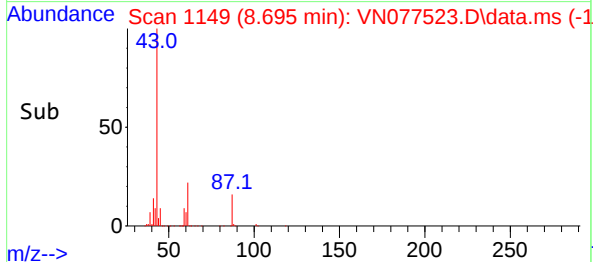
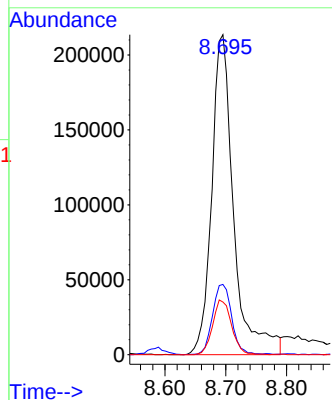
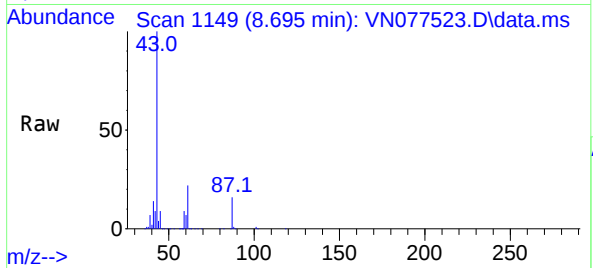




#43
Isopropyl Acetate
Concen: 35.364 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

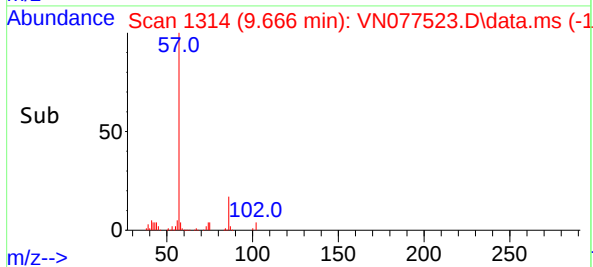
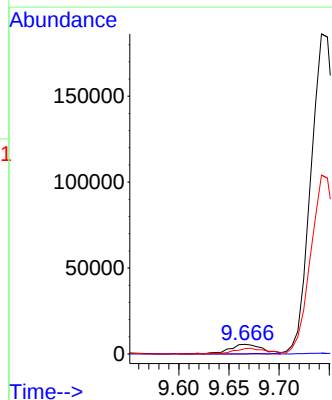
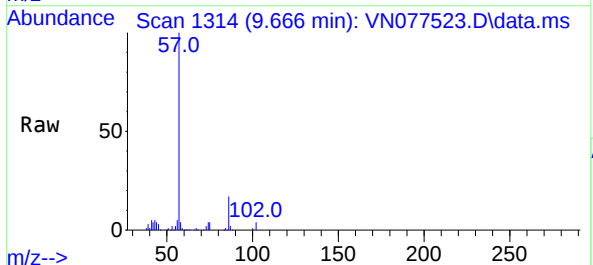
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#07

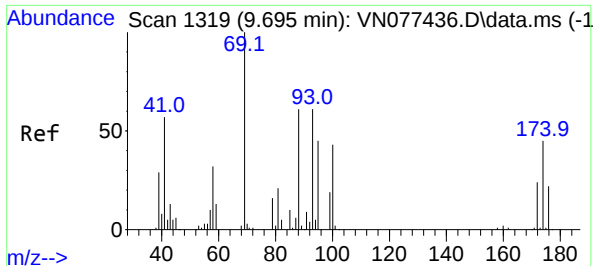
Tgt Ion: 43 Resp: 534537
Ion Ratio Lower Upper
43 100
61 19.2 24.7 37.1#
87 14.7 14.6 21.8



#48
Methyl methacrylate
Concen: 1.880 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.018 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

Tgt Ion: 41 Resp: 12932
Ion Ratio Lower Upper
41 100
69 2.6 90.4 135.6#
39 60.5 54.6 81.8

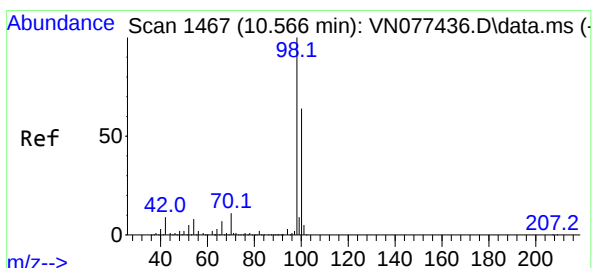
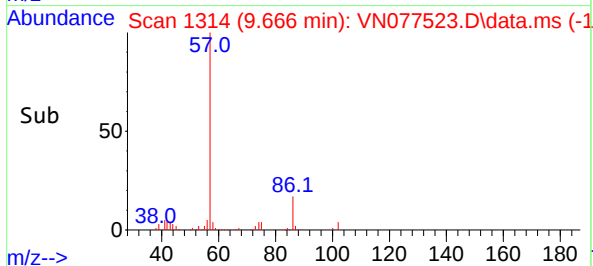
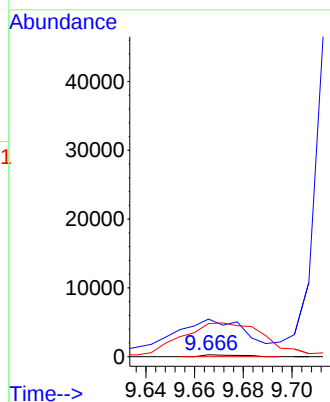
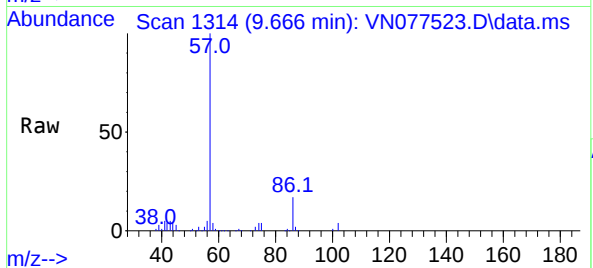




#49
1,4-Dioxane
Concen: 1.675 ug/l
RT: 9.666 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

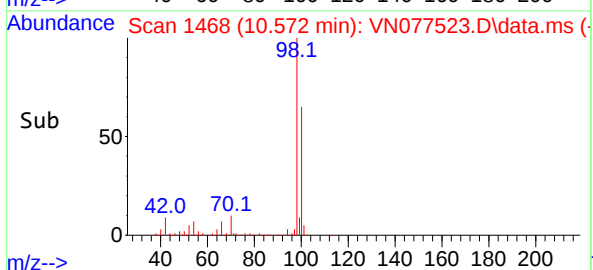
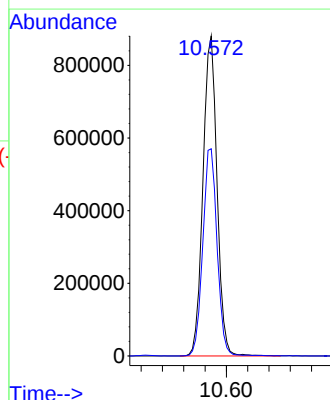
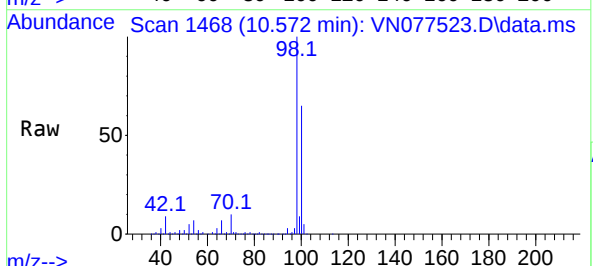
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#07

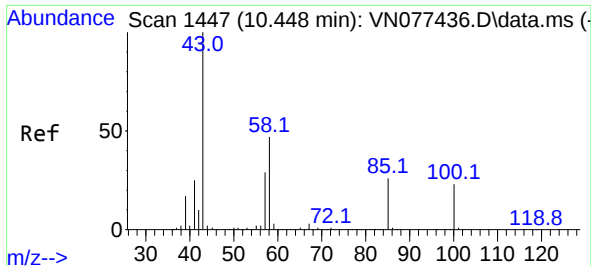
Tgt Ion: 88 Resp: 289
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 4147.4 47.0 70.4#



#50
Toluene-d8
Concen: 52.868 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

Tgt Ion: 98 Resp: 1612622
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0

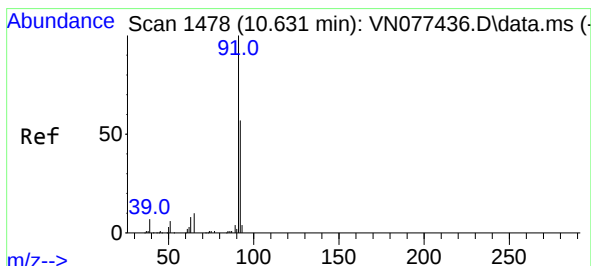
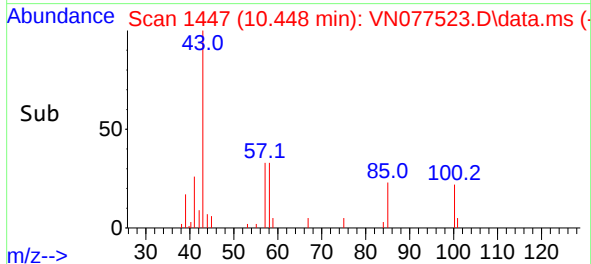
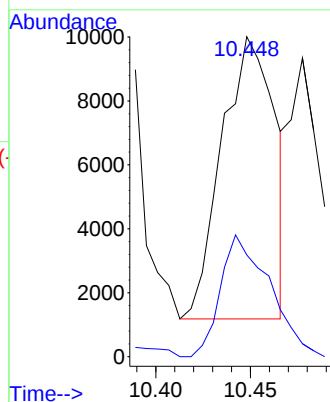
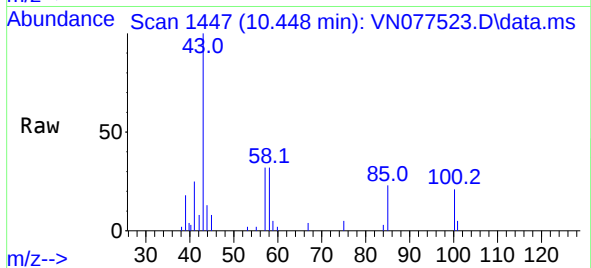




#51
4-Methyl-2-Pentanone
Concen: 1.936 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

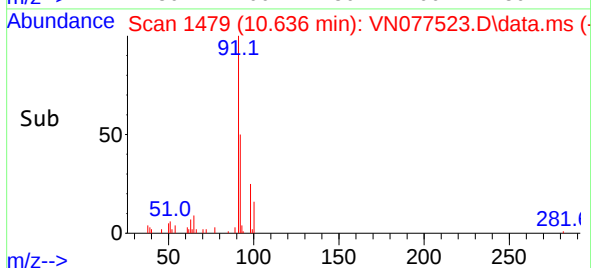
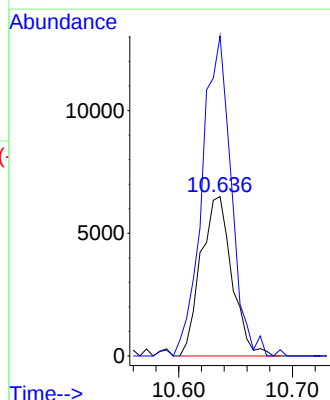
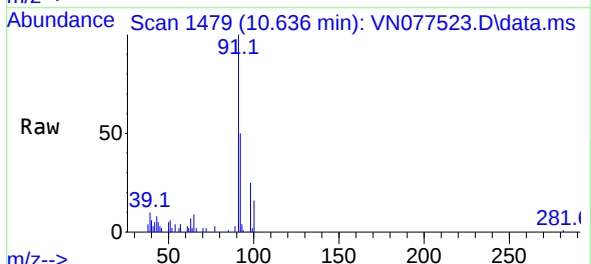
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#07

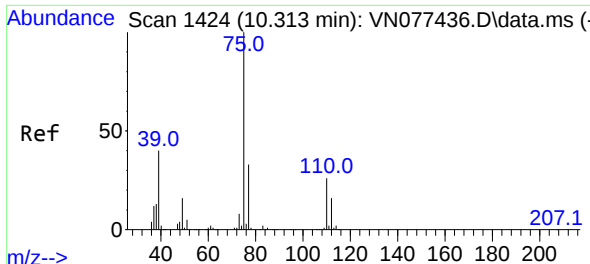
Tgt Ion: 43 Resp: 17163
Ion Ratio Lower Upper
43 100
58 40.4 36.6 54.8



#52
Toluene
Concen: 0.537 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

Tgt Ion: 92 Resp: 12321
Ion Ratio Lower Upper
92 100
91 189.9 137.4 206.0

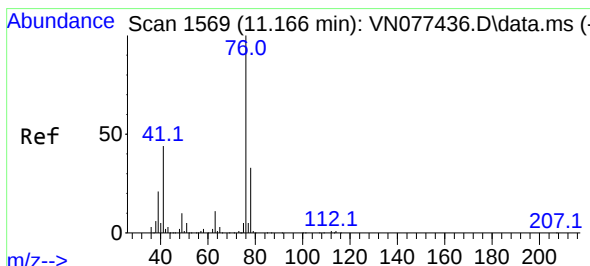
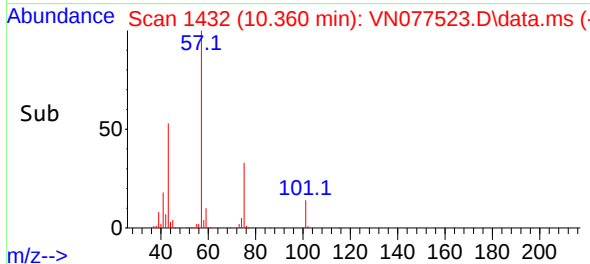
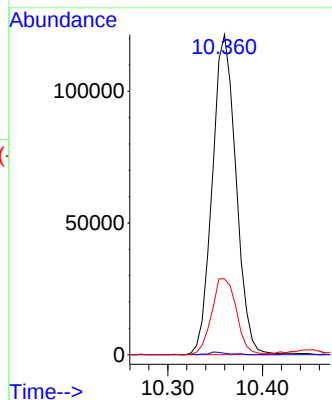
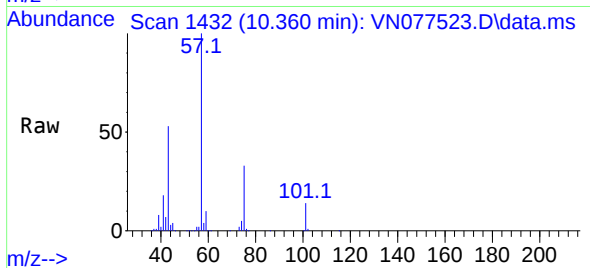




#54
 cis-1,3-Dichloropropene
 Concen: 14.853 ug/l
 RT: 10.360 min Scan# 1424
 Delta R.T. 0.047 min
 Lab File: VN077523.D
 Acq: 29 Apr 2023 16:52

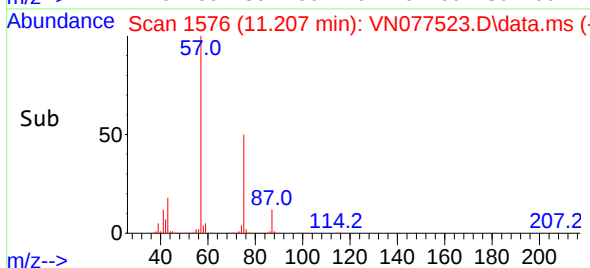
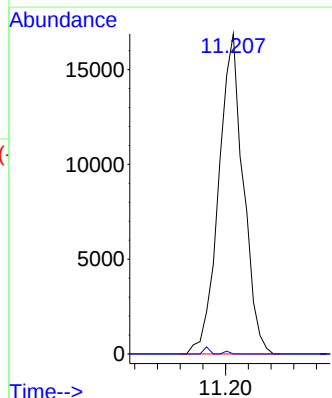
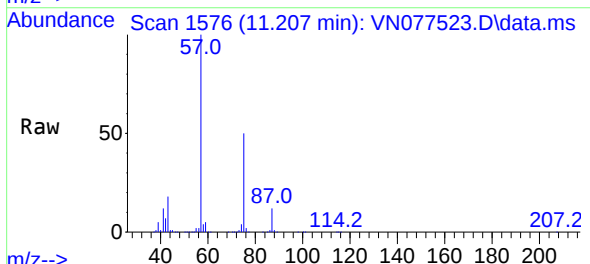
Instrument :
 MSVOA_N
 ClientSampleId :
 PB152434ZHE#07

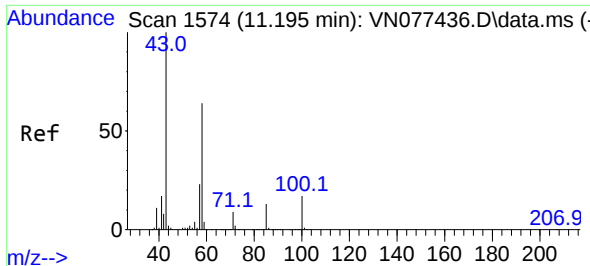
Tgt Ion: 75 Resp: 210820
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.1 39.1#
 39 23.7 31.6 47.4#



#57
 1,3-Dichloropropane
 Concen: 1.727 ug/l
 RT: 11.207 min Scan# 1576
 Delta R.T. 0.041 min
 Lab File: VN077523.D
 Acq: 29 Apr 2023 16:52

Tgt Ion: 76 Resp: 25390
 Ion Ratio Lower Upper
 76 100
 78 0.2 26.1 39.1#

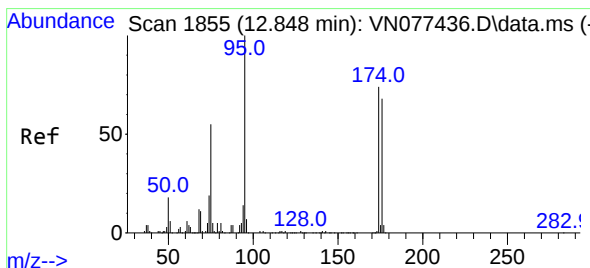
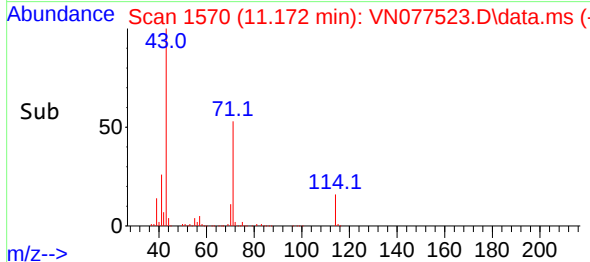
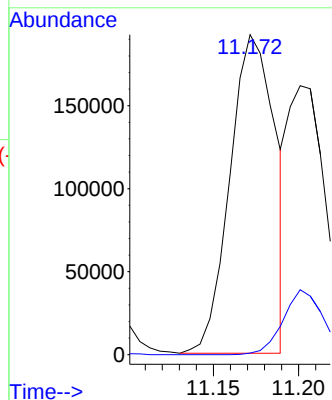
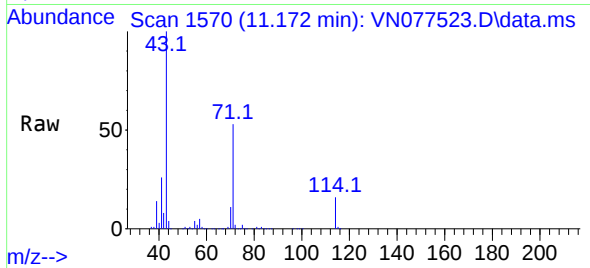




#59
2-Hexanone
Concen: 54.834 ug/l
RT: 11.172 min Scan# 11172
Delta R.T. -0.024 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

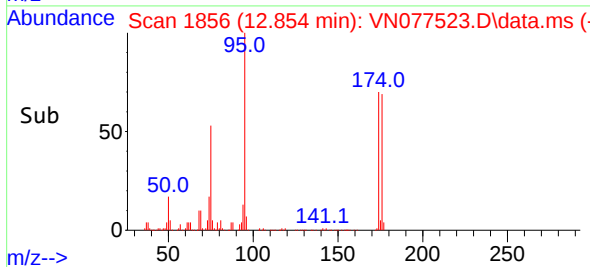
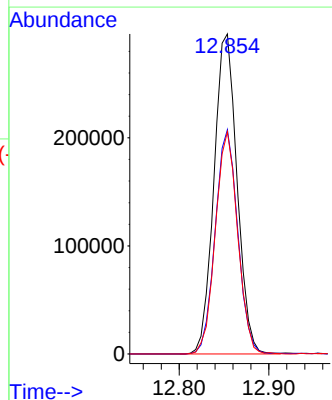
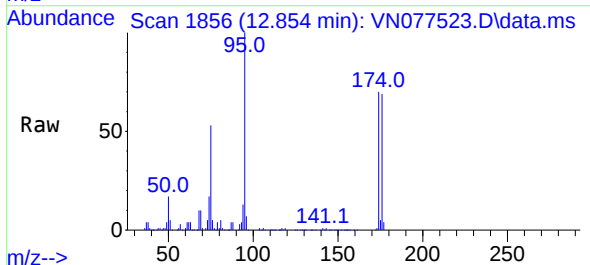
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#07

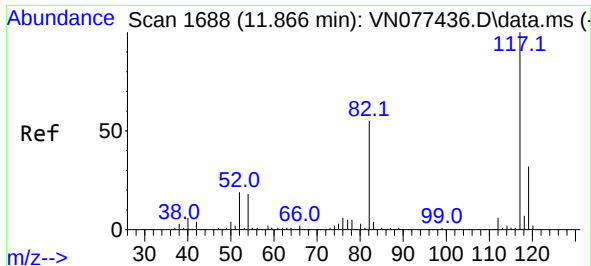
Tgt Ion: 43 Resp: 353381
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.985 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

Tgt Ion: 95 Resp: 528777
Ion Ratio Lower Upper
95 100
174 68.3 0.0 143.8
176 66.9 0.0 135.8

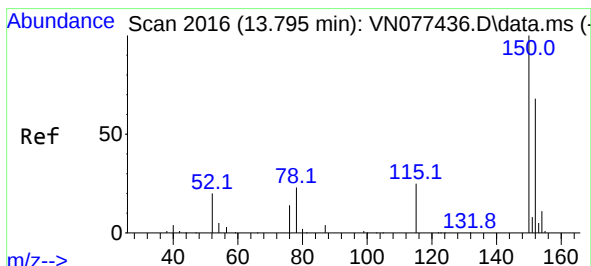
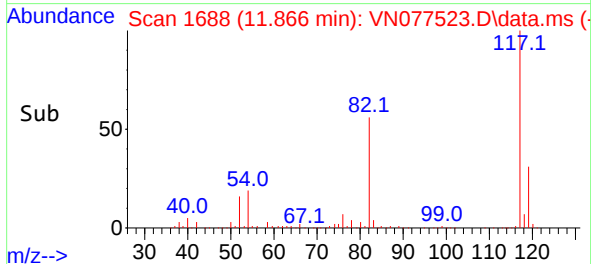
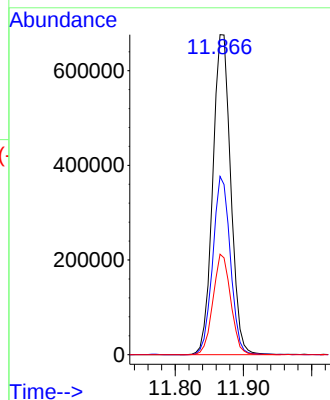
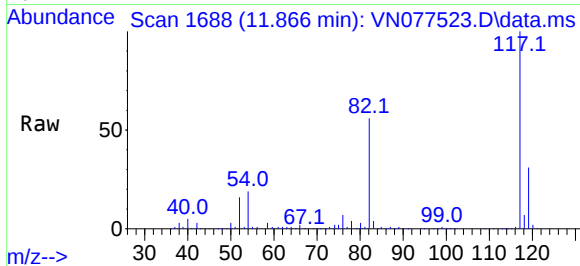




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

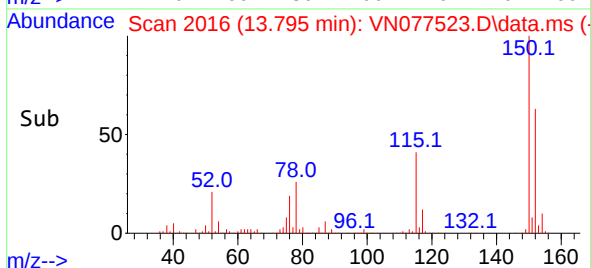
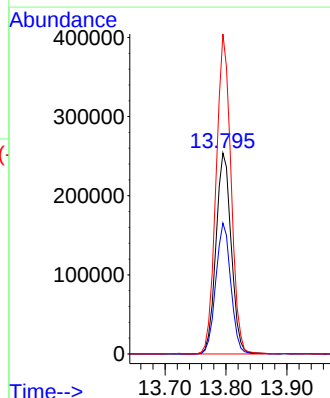
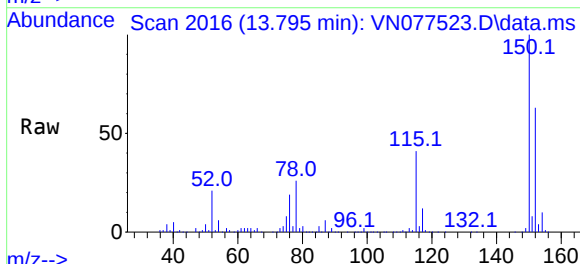
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#07

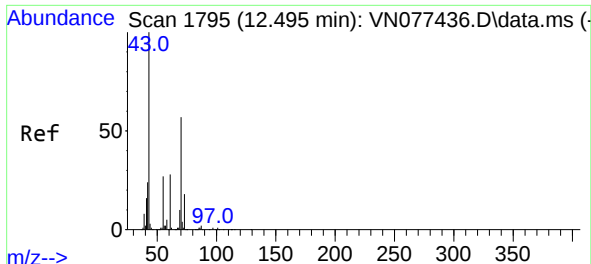
Tgt Ion:117 Resp: 1241193
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 31.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

Tgt Ion:152 Resp: 441425
Ion Ratio Lower Upper
152 100
115 64.0 32.3 96.8
150 156.0 0.0 355.8

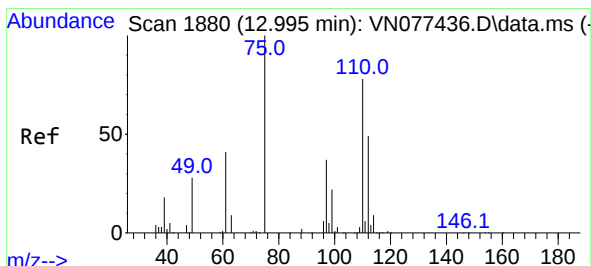
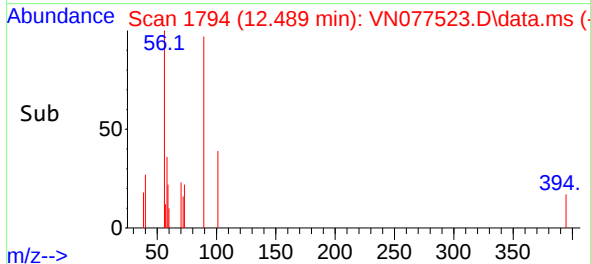
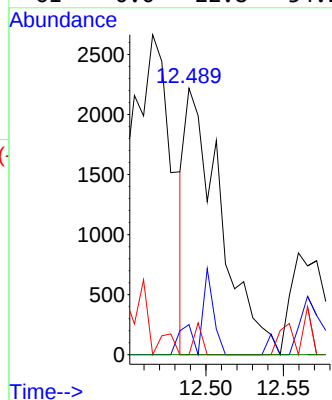
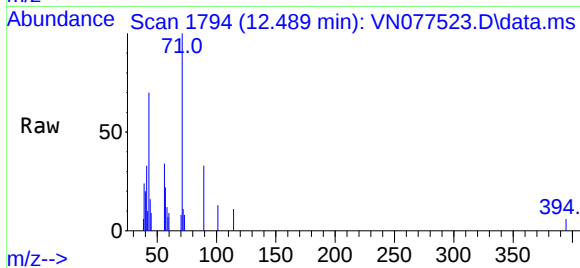




#74
N-amy1 acetate
Concen: 0.287 ug/l
RT: 12.489 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

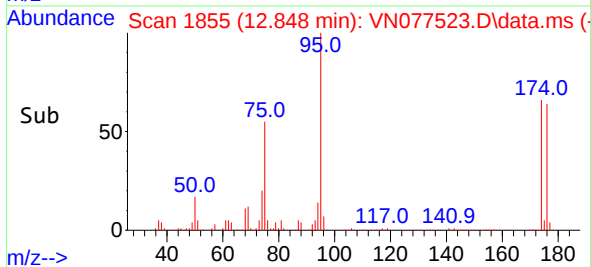
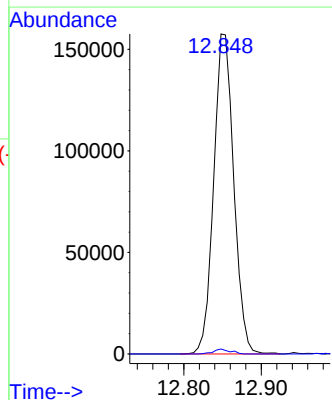
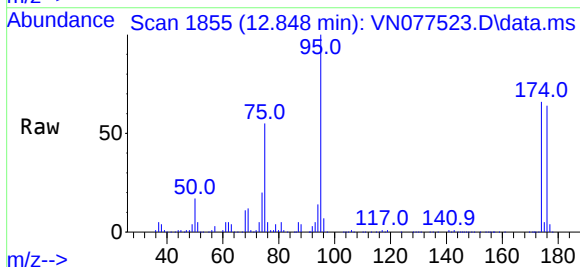
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#07

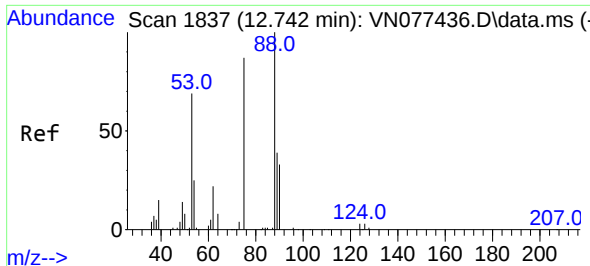
Tgt Ion: 43	Resp: 3486
Ion Ratio	Lower Upper
43 100	
70 13.9	43.4 65.2#
55 0.0	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.602 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

Tgt Ion: 75	Resp: 283332
Ion Ratio	Lower Upper
75 100	
77 1.3	84.5 253.5#

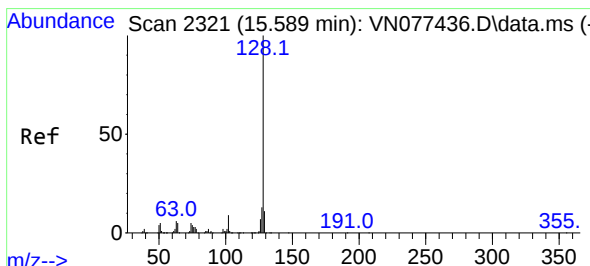
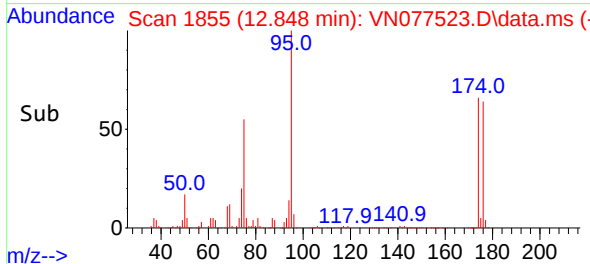
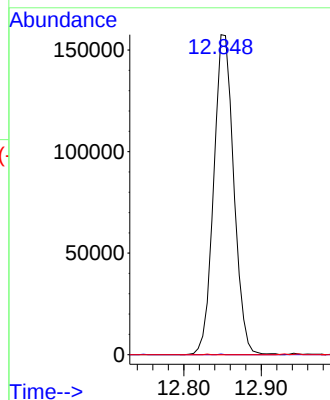
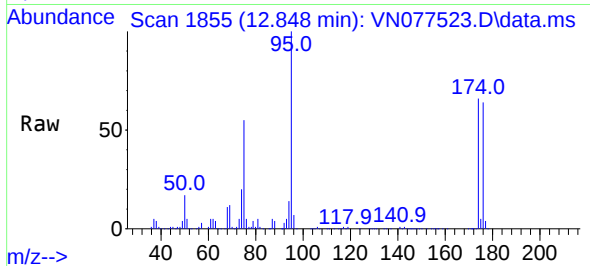




#81
trans-1,4-Dichloro-2-butene
Concen: 77.981 ug/l
RT: 12.848 min Scan# 1837
Delta R.T. 0.106 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

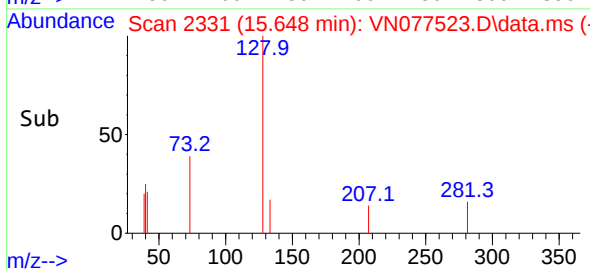
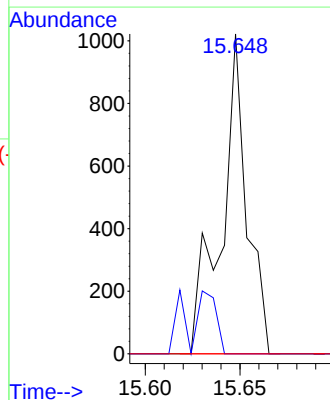
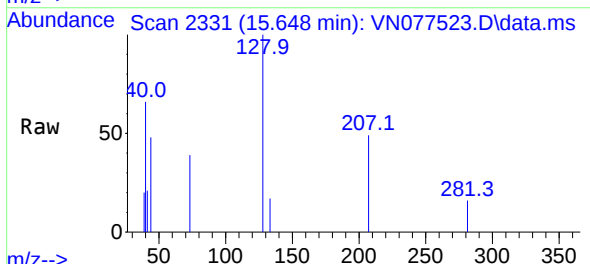
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#07

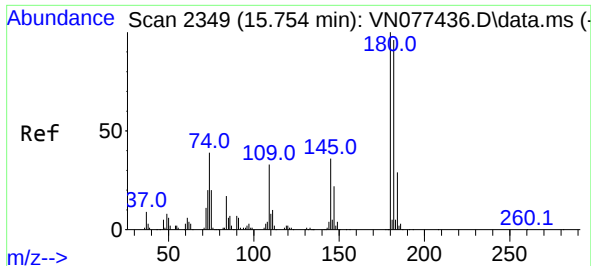
Tgt Ion: 75 Resp: 283332
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 1.222 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.059 min
Lab File: VN077523.D
Acq: 29 Apr 2023 16:52

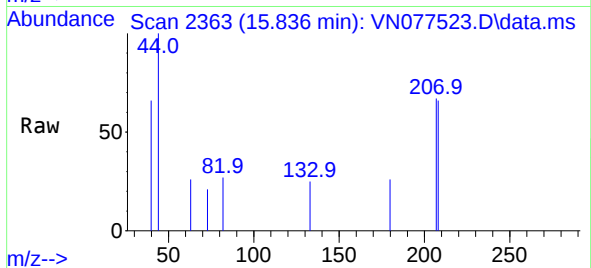
Tgt Ion: 128 Resp: 960
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.496 ug/l
 RT: 15.836 min Scan# 21
 Delta R.T. 0.082 min
 Lab File: VN077523.D
 Acq: 29 Apr 2023 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152434ZHE#07



Tgt Ion:	180	Resp:	67
Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.2	138.6#
145	0.0	17.5	52.6#

