

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077518.D
 Acq On : 29 Apr 2023 14:51
 Operator : JC\MD
 Sample : PB152434ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152434ZHE#02

Quant Time: May 01 01:23:44 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)

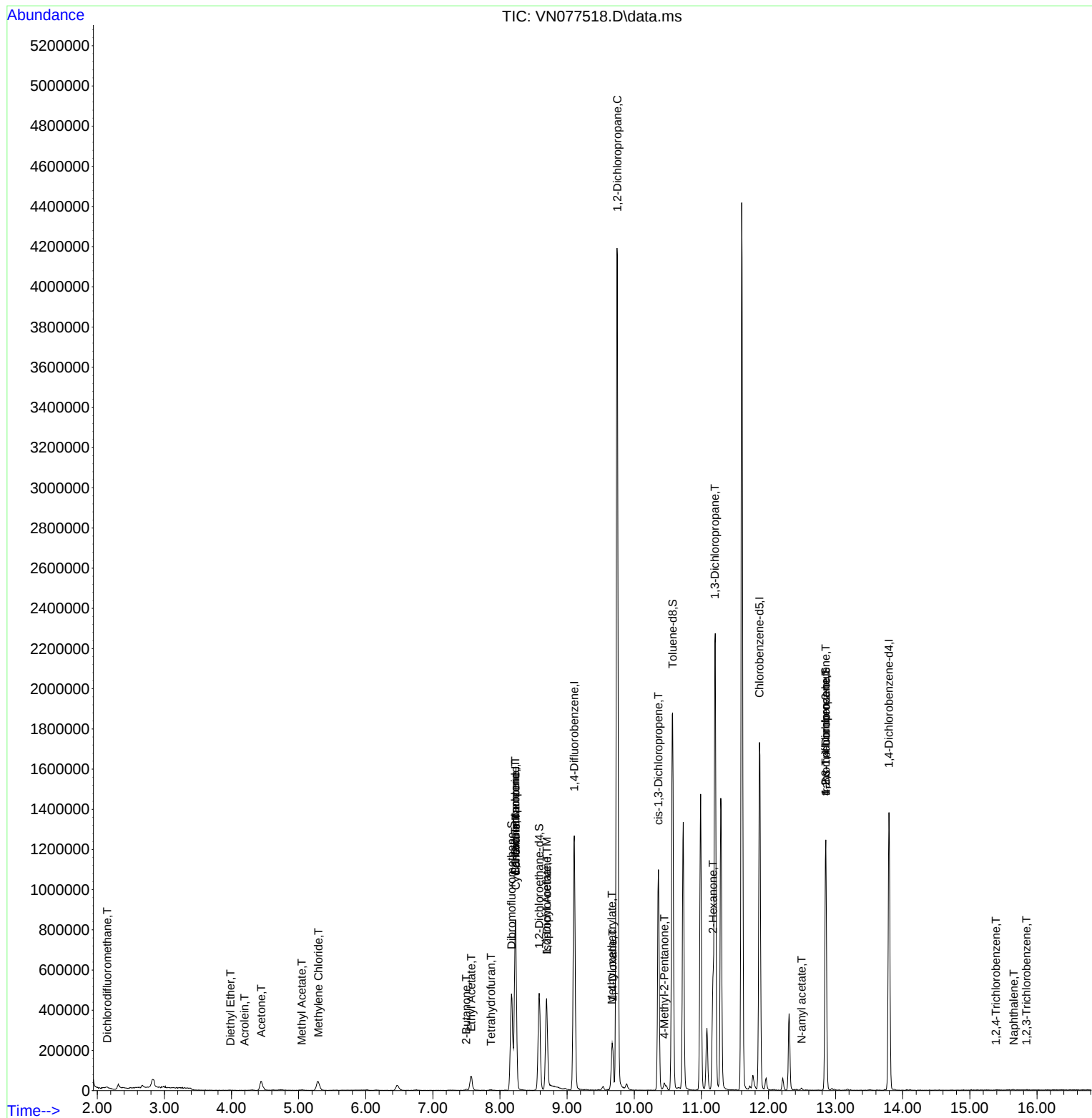
Internal Standards						
1) Pentafluorobenzene	8.231	168	595710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1143232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1071706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	378855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	404589	52.048	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.100%			
35) Dibromofluoromethane	8.172	113	348658	50.741	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.480%			
50) Toluene-d8	10.572	98	1421477	53.977	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.960%			
62) 4-Bromofluorobenzene	12.854	95	454664	52.769	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.149	85	54	0.316	ug/l #	43
8) Diethyl Ether	3.984	74	1222	0.288	ug/l #	49
13) Acrolein	4.196	56	834	0.672	ug/l #	44
16) Acetone	4.443	43	84510	34.173	ug/l	97
18) Methyl Acetate	5.048	43	3436	0.360	ug/l	100
20) Methylene Chloride	5.295	84	41276	5.263	ug/l	96
25) 2-Butanone	7.495	43	8916	2.542	ug/l #	72
29) Tetrahydrofuran	7.866	42	2400	1.092	ug/l #	76
31) Cyclohexane	8.236	56	14457	1.313	ug/l #	38
36) 1,1-Dichloropropene	8.231	75	50931	5.131	ug/l #	49
37) Ethyl Acetate	7.572	43	104842	13.898	ug/l	98
38) Carbon Tetrachloride	8.231	117	67434	6.157	ug/l #	14
42) 1,2-Dichloroethane	8.695	62	3093	0.298	ug/l	79
43) Isopropyl Acetate	8.695	43	518416	39.725	ug/l #	88
45) 1,2-Dichloropropane	9.748	63	6645	0.938	ug/l #	45
48) Methyl methacrylate	9.666	41	11958	2.013	ug/l #	3
49) 1,4-Dioxane	9.678	88	111	0.745	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	23198	3.031	ug/l	93
54) cis-1,3-Dichloropropene	10.360	75	227044	18.527	ug/l #	63
57) 1,3-Dichloropropane	11.201	76	28889	2.277	ug/l #	42
59) 2-Hexanone	11.172	43	393786	70.774	ug/l #	19
74) N-amyl acetate	12.495	43	3890	0.374	ug/l #	47
76) 1,2,3-Trichloropropane	12.854	75	244897	27.798	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	244897	78.534	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.389	180	389	0.939	ug/l #	28
95) Naphthalene	15.654	128	2495	1.386	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.842	180	392	0.629	ug/l #	39

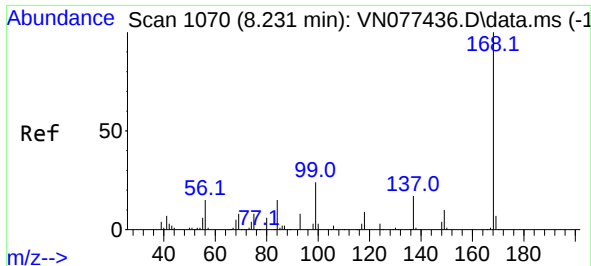
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
Quant Title : SW846 8260
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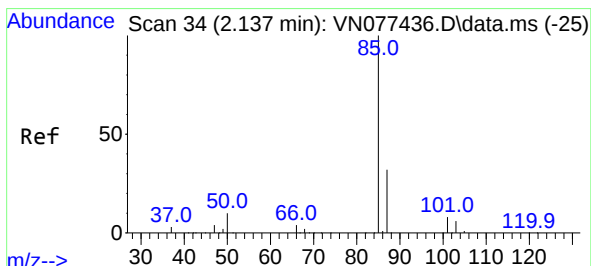
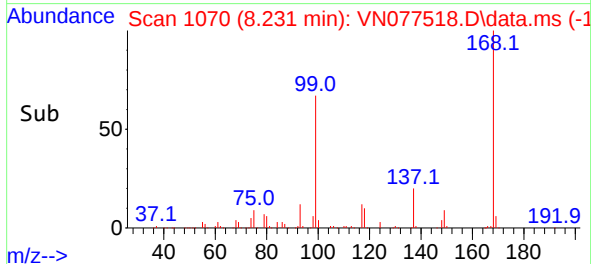
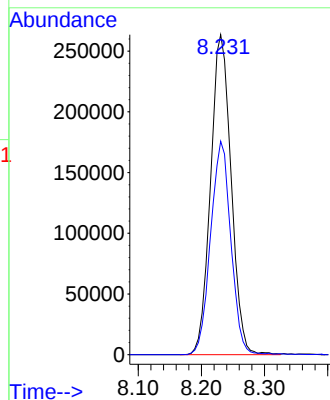
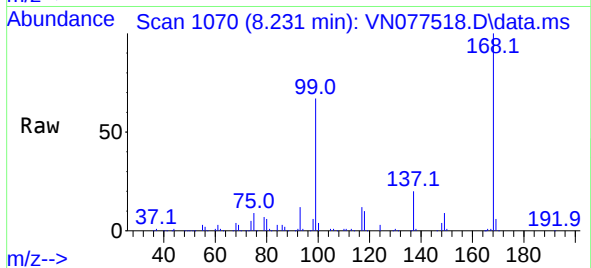




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

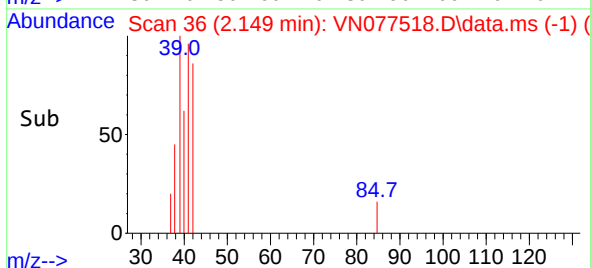
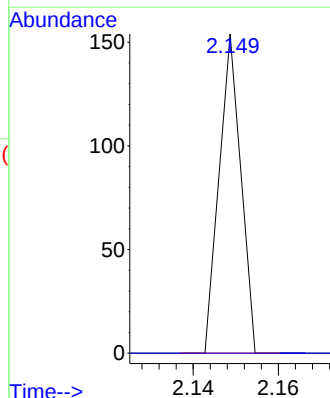
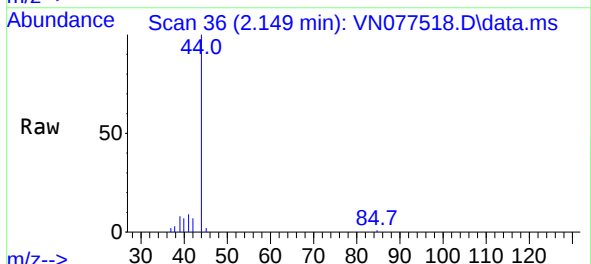
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#02

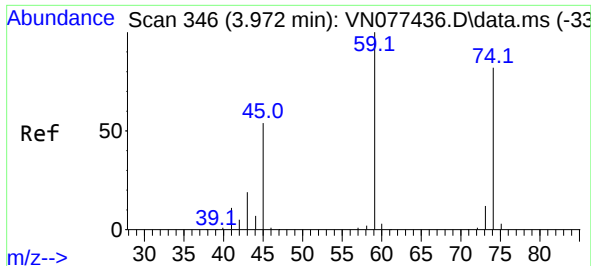
Tgt Ion:168 Resp: 595710
Ion Ratio Lower Upper
168 100
99 66.7 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.316 ug/l
RT: 2.149 min Scan# 36
Delta R.T. 0.012 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 85 Resp: 54
Ion Ratio Lower Upper
85 100
87 0.0 15.8 47.4#

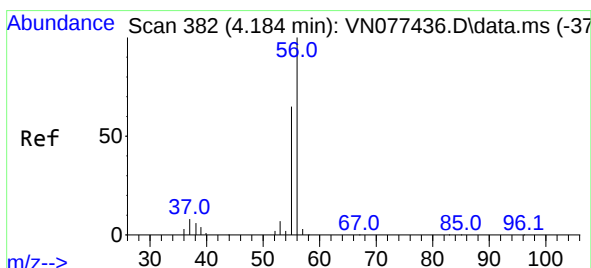
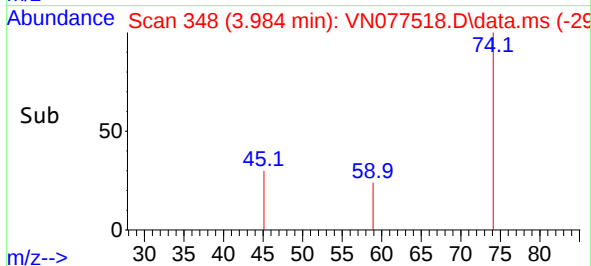
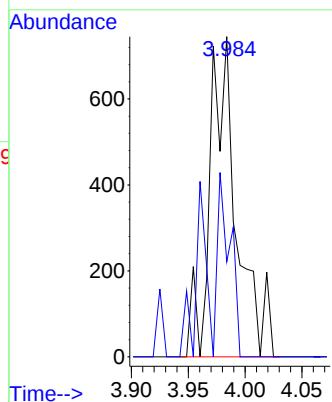
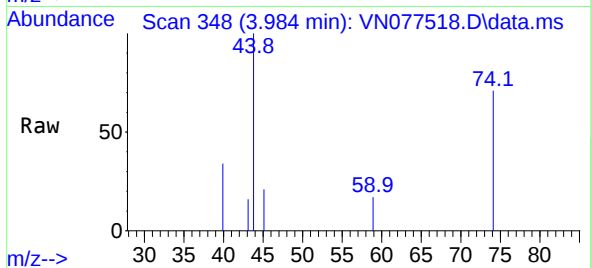




#8
Diethyl Ether
Concen: 0.288 ug/l
RT: 3.984 min Scan# 34
Delta R.T. 0.012 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

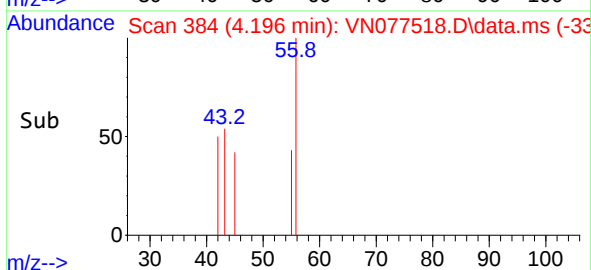
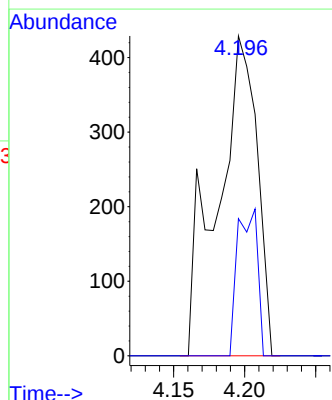
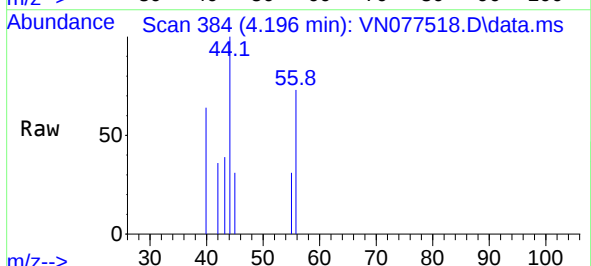
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#02

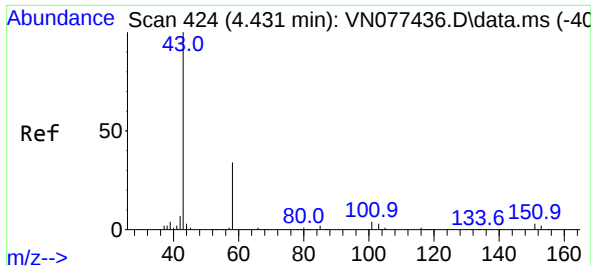
Tgt Ion: 74 Resp: 1222
Ion Ratio Lower Upper
74 100
45 27.5 34.4 103.3#



#13
Acrolein
Concen: 0.672 ug/l
RT: 4.196 min Scan# 384
Delta R.T. 0.012 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 56 Resp: 834
Ion Ratio Lower Upper
56 100
55 23.1 54.5 81.7#

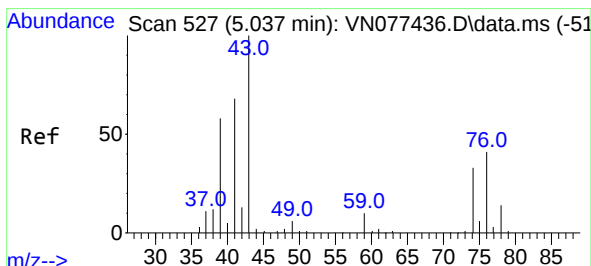
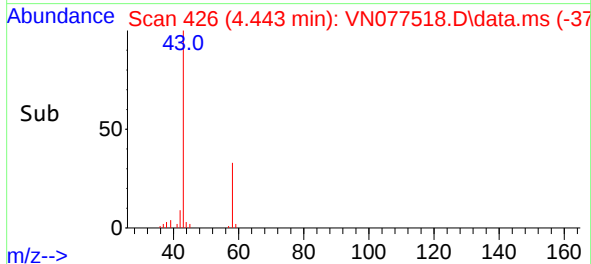
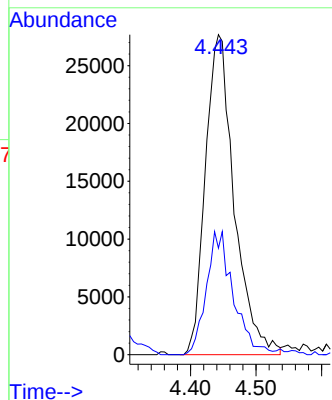
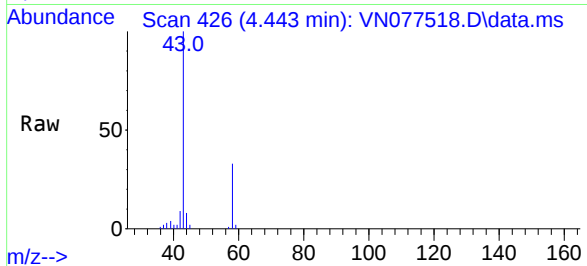




#16
Acetone
Concen: 34.173 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

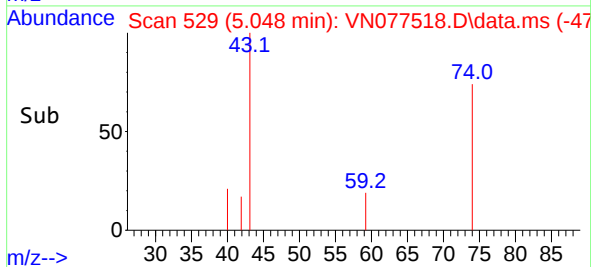
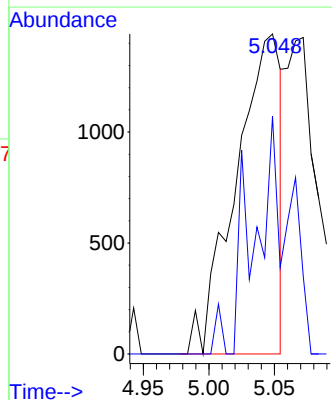
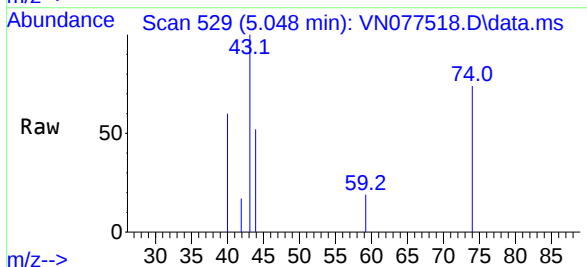
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#02

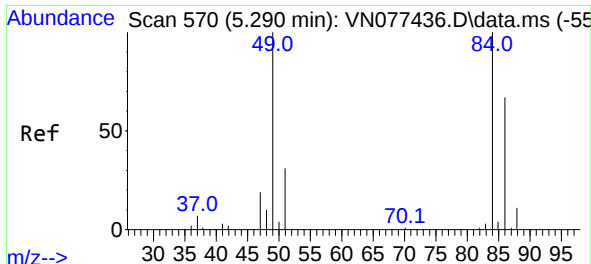
Tgt Ion: 43 Resp: 84510
Ion Ratio Lower Upper
43 100
58 33.3 28.0 42.0



#18
Methyl Acetate
Concen: 0.360 ug/l
RT: 5.048 min Scan# 529
Delta R.T. 0.012 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

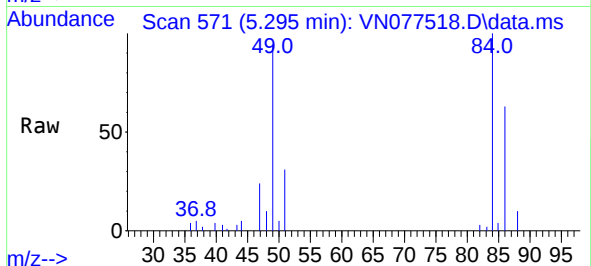
Tgt Ion: 43 Resp: 3436
Ion Ratio Lower Upper
43 100
74 33.0 26.2 39.4





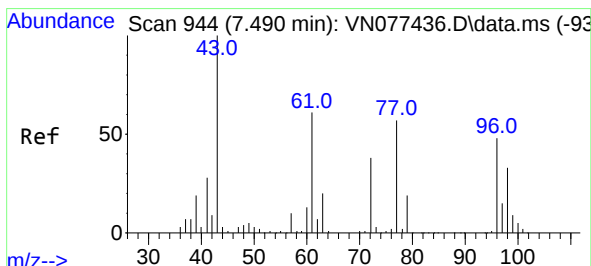
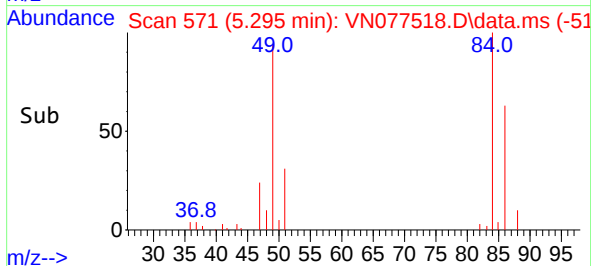
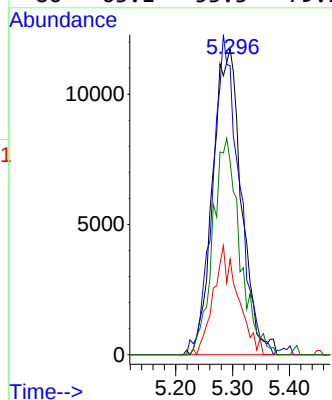
#20
Methylene Chloride
Concen: 5.263 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#02



Tgt Ion: 84 Resp: 41276

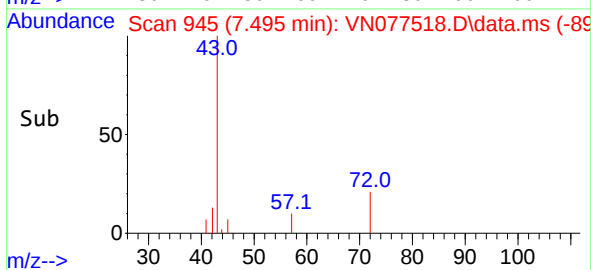
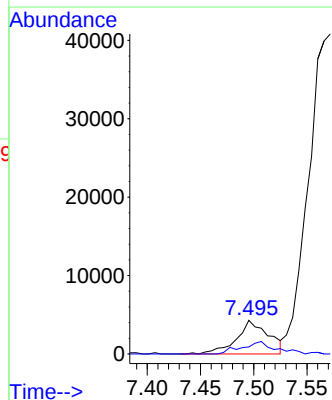
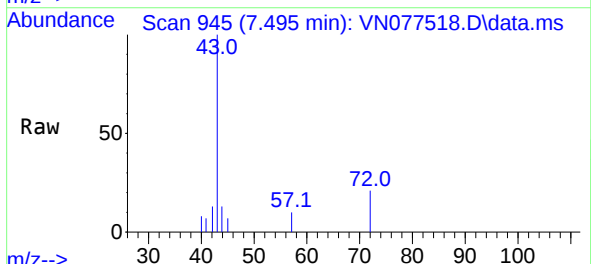
Ion	Ratio	Lower	Upper
84	100		
49	94.5	79.7	119.5
51	31.2	25.2	37.8
86	63.1	53.3	79.9

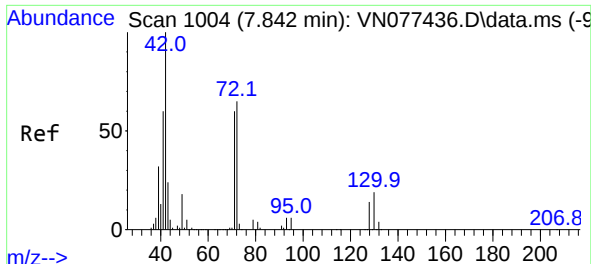


#25
2-Butanone
Concen: 2.542 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 43 Resp: 8916

Ion	Ratio	Lower	Upper
43	100		
72	20.9	30.2	45.2#

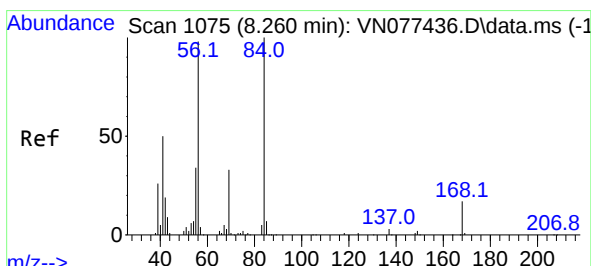
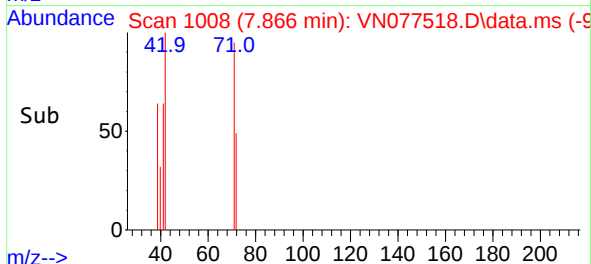
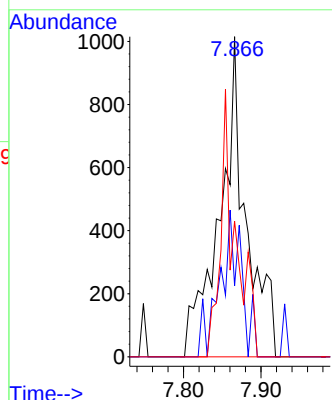
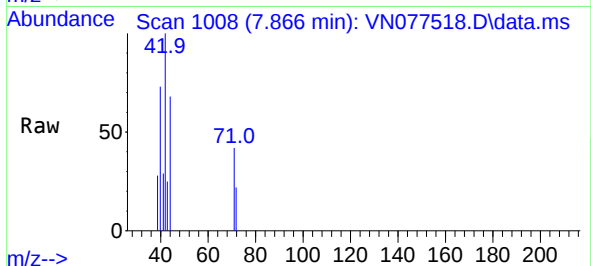




#29
Tetrahydrofuran
Concen: 1.092 ug/l
RT: 7.866 min Scan# 1008
Delta R.T. 0.023 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

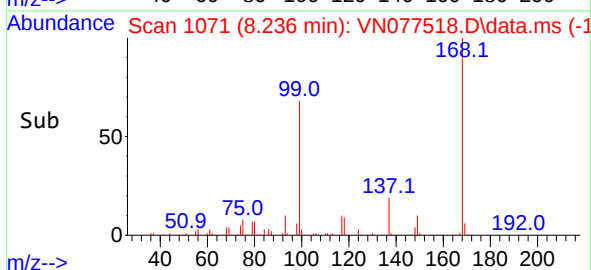
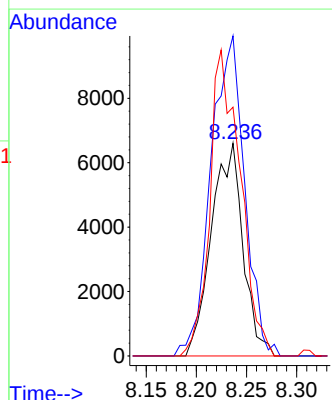
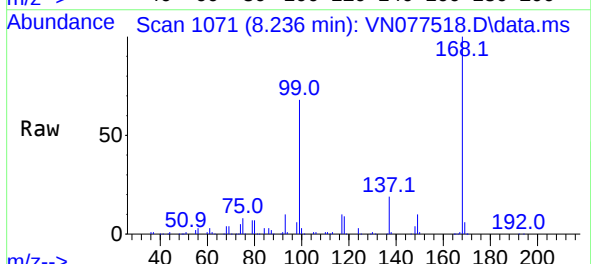
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#02

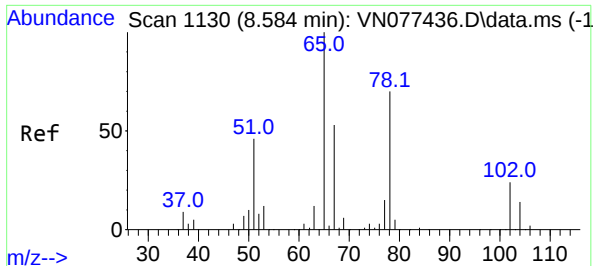
Tgt Ion: 42 Resp: 2400
Ion Ratio Lower Upper
42 100
72 37.3 49.8 74.6#
71 47.3 47.4 71.2#



#31
Cyclohexane
Concen: 1.313 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 56 Resp: 14457
Ion Ratio Lower Upper
56 100
69 150.5 26.8 40.2#
84 117.0 81.8 122.6

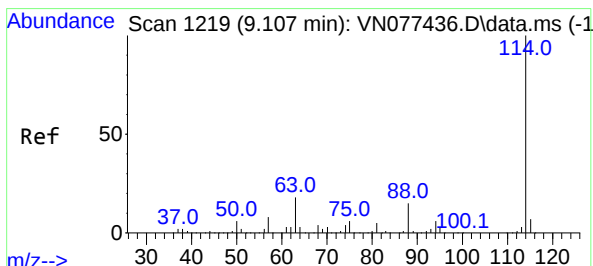
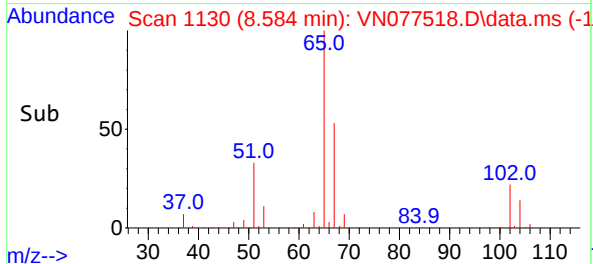
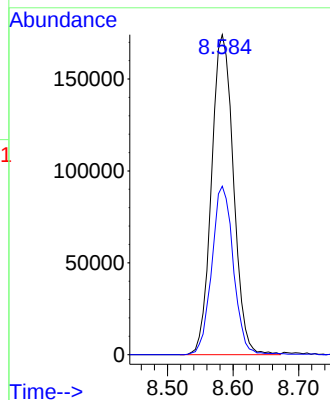
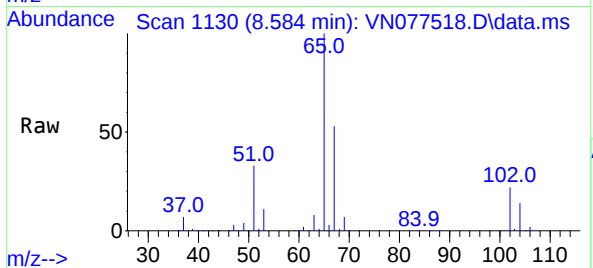




#33
1,2-Dichloroethane-d4
Concen: 52.048 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

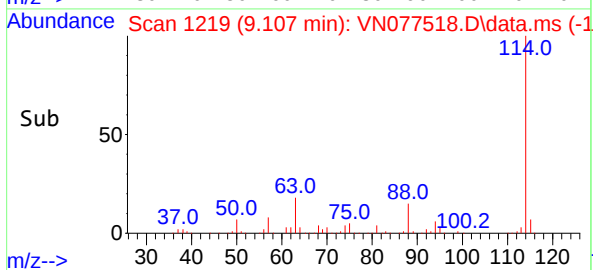
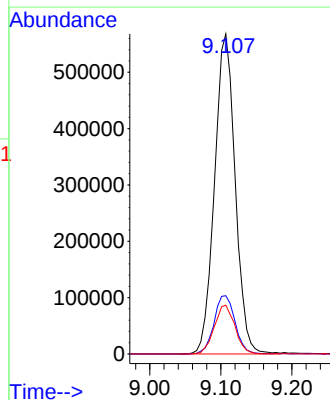
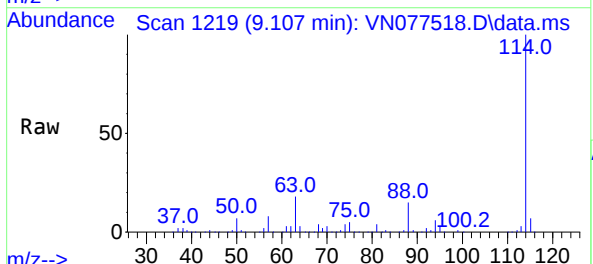
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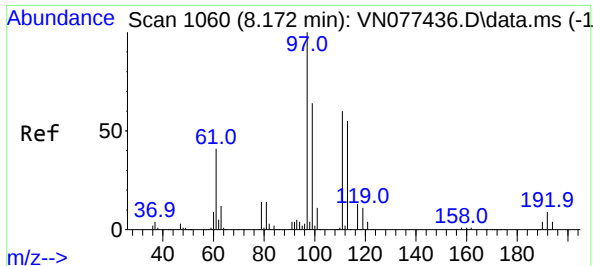
Tgt Ion: 65 Resp: 404589
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 114 Resp: 1143232
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.4
88 15.2 0.0 30.6

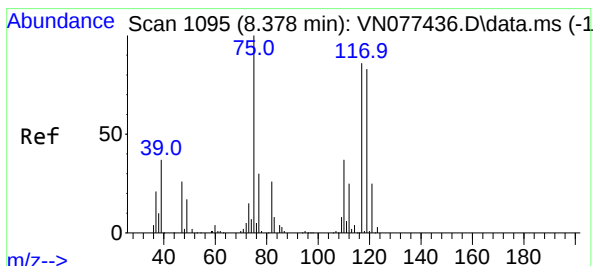
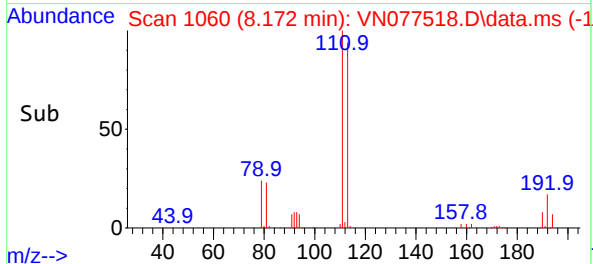
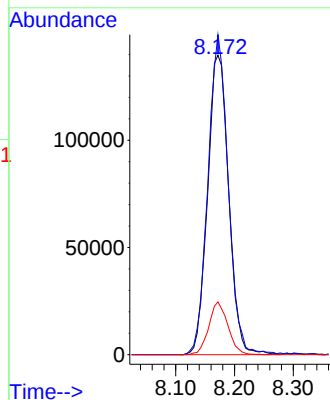
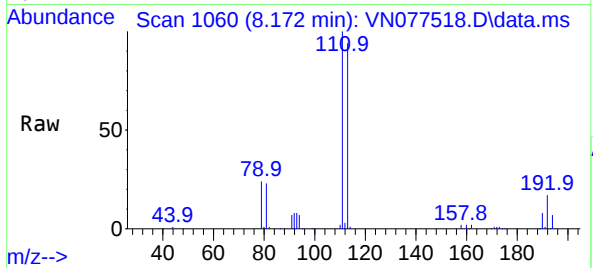




#35
Dibromofluoromethane
Concen: 50.741 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

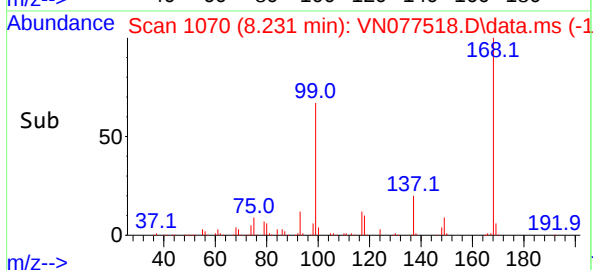
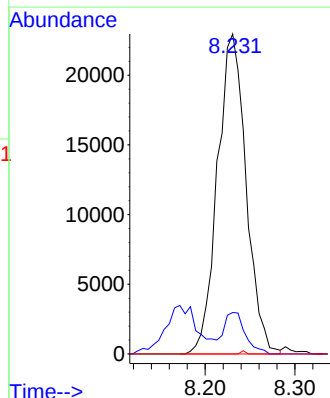
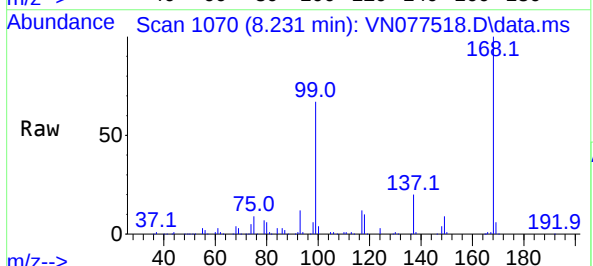
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#02

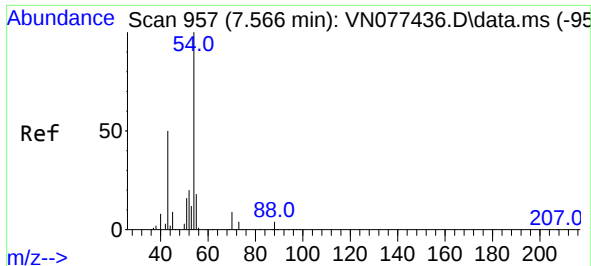
Tgt Ion:113 Resp: 348658
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 16.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.131 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 75 Resp: 50931
Ion Ratio Lower Upper
75 100
110 9.6 19.1 57.3#
77 0.2 25.0 37.4#

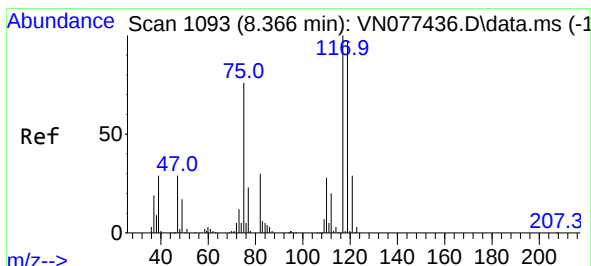
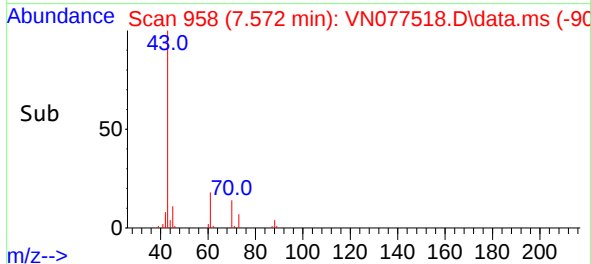
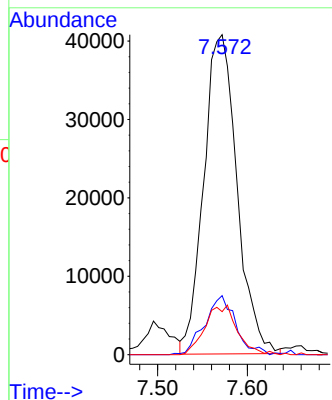
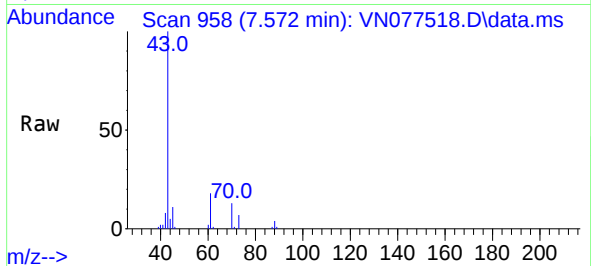




#37
Ethyl Acetate
Concen: 13.898 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

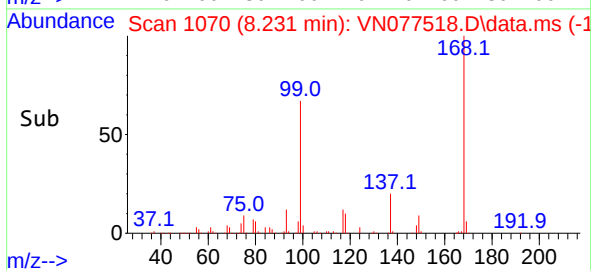
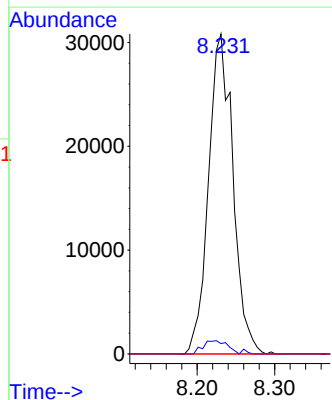
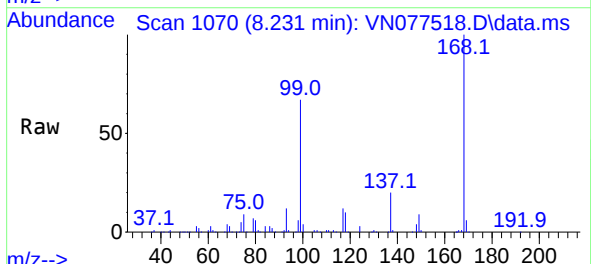
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#02

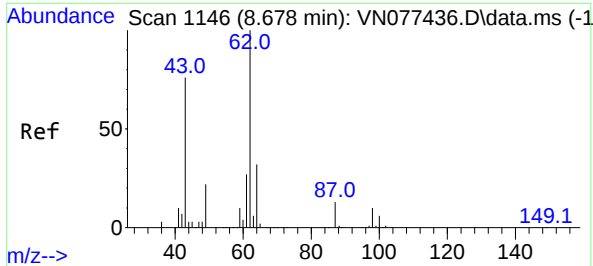
Tgt Ion: 43 Resp: 104842
Ion Ratio Lower Upper
43 100
61 17.3 13.2 19.8
70 15.1 11.3 16.9



#38
Carbon Tetrachloride
Concen: 6.157 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 117 Resp: 67434
Ion Ratio Lower Upper
117 100
119 3.3 77.3 115.9#
121 0.0 23.3 34.9#

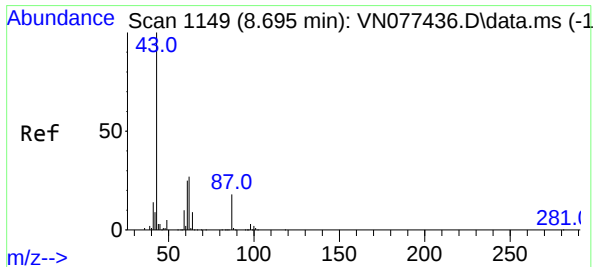
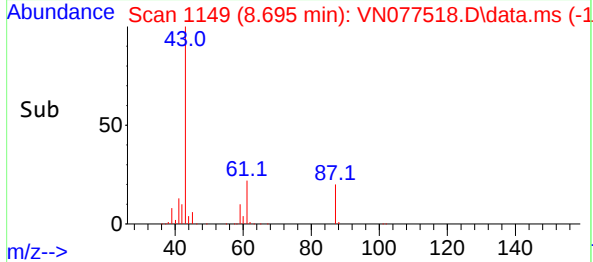
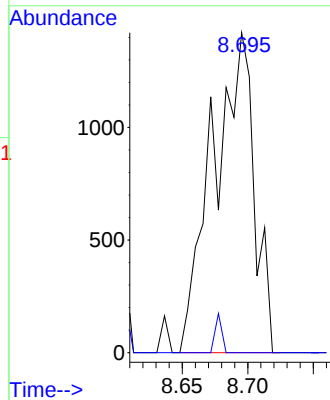
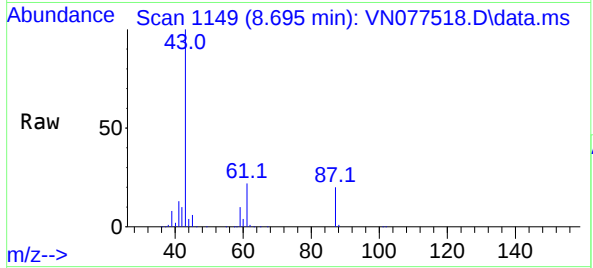




#42
1,2-Dichloroethane
Concen: 0.298 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.018 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

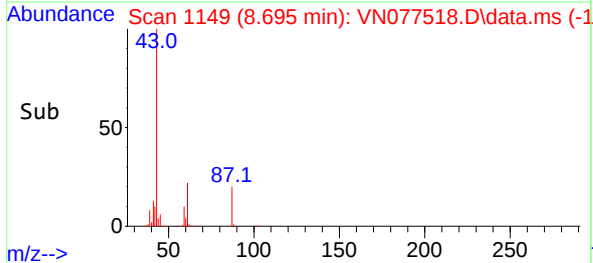
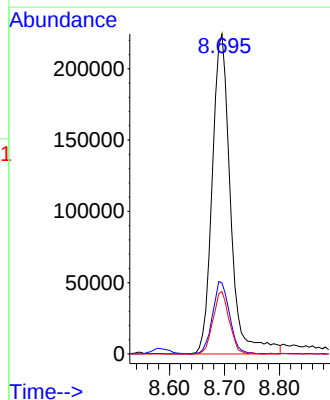
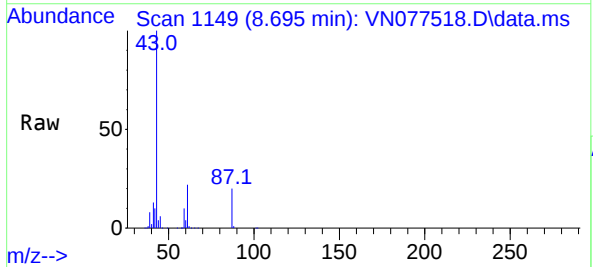
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#02

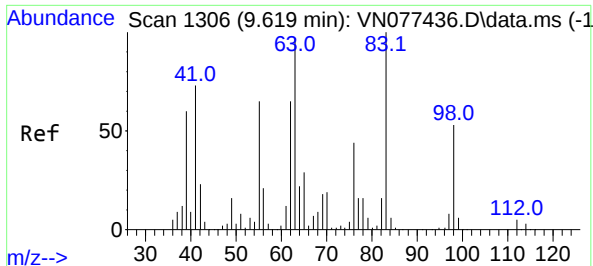
Tgt Ion: 62 Resp: 3093
Ion Ratio Lower Upper
62 100
98 2.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 39.725 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 43 Resp: 518416
Ion Ratio Lower Upper
43 100
61 21.1 24.7 37.1#
87 17.2 14.6 21.8

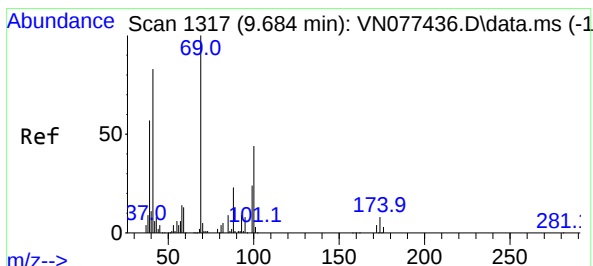
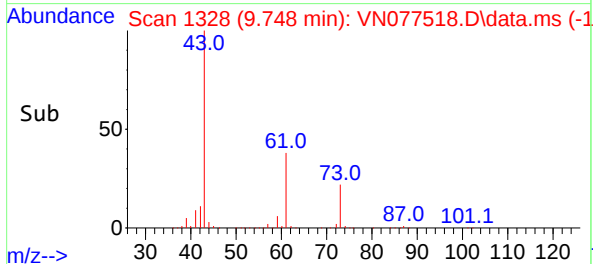
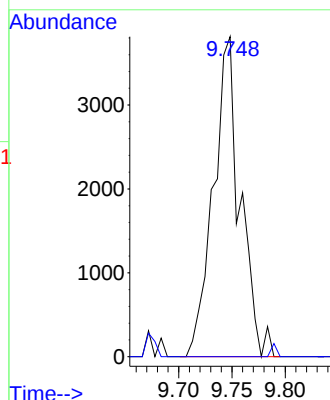
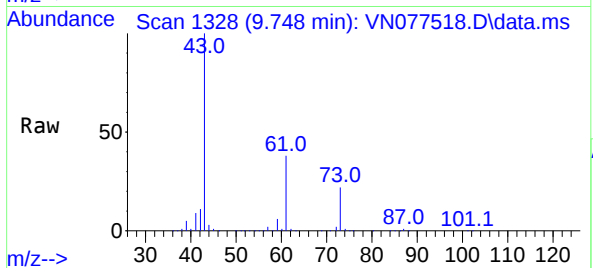




#45
1,2-Dichloropropane
Concen: 0.938 ug/l
RT: 9.748 min Scan# 11
Delta R.T. 0.129 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

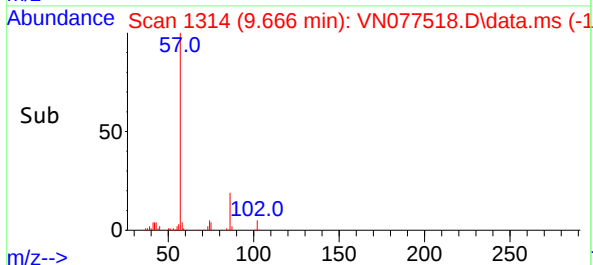
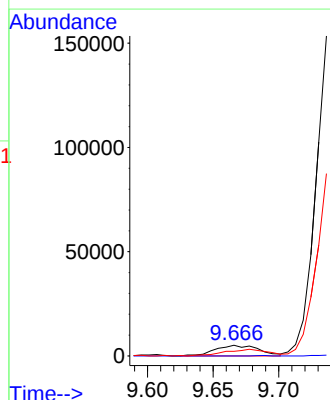
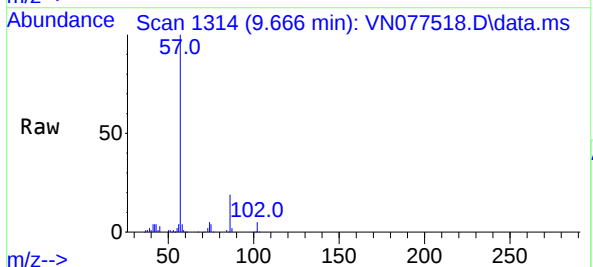
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#02

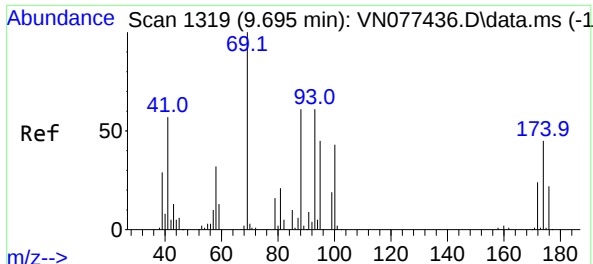
Tgt Ion: 63 Resp: 6645
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 2.013 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.018 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 41 Resp: 11958
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 0.0 54.6 81.8#

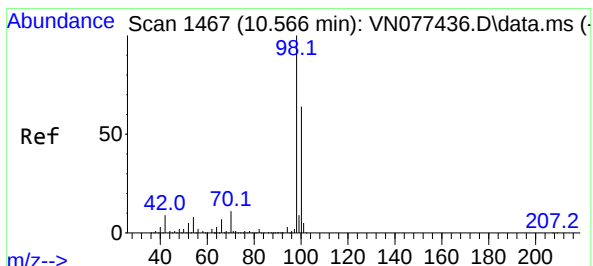
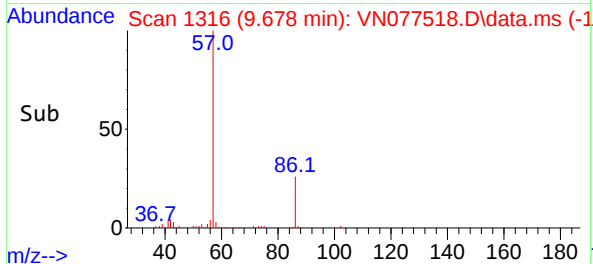
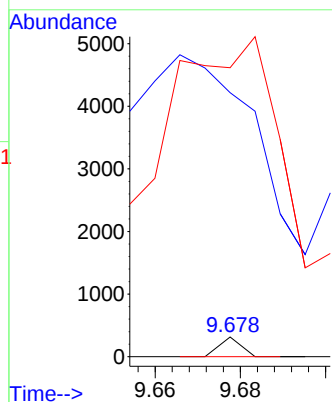
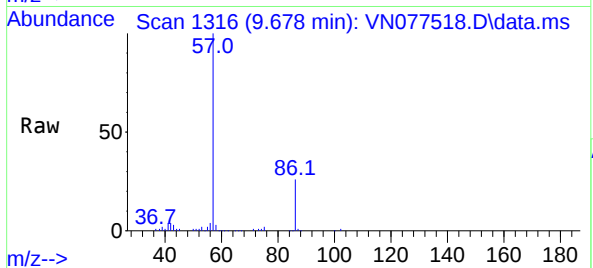




#49
1,4-Dioxane
Concen: 0.745 ug/l
RT: 9.678 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

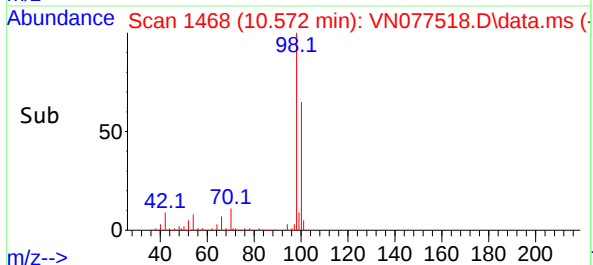
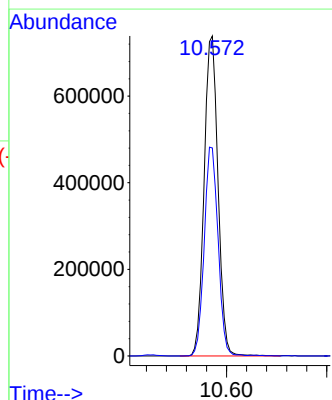
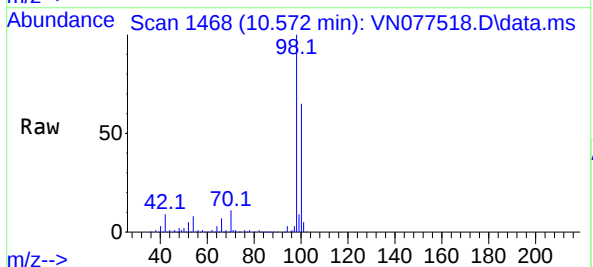
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#02

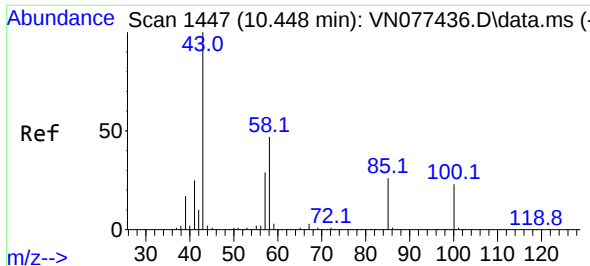
Tgt Ion: 88 Resp: 111
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 10573.0 47.0 70.4#



#50
Toluene-d8
Concen: 53.977 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 98 Resp: 1421477
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0

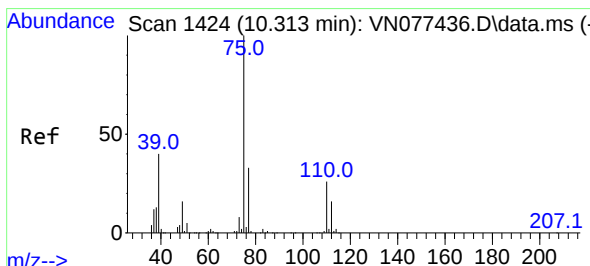
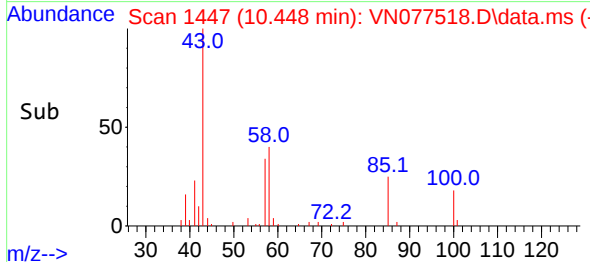
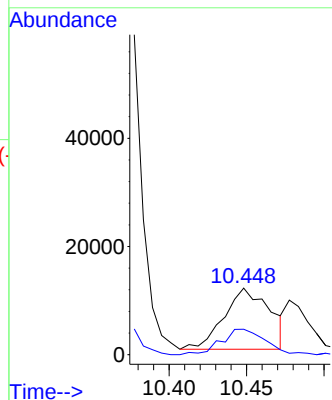
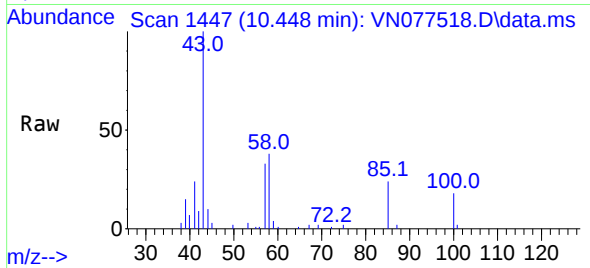




#51
4-Methyl-2-Pentanone
Concen: 3.031 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

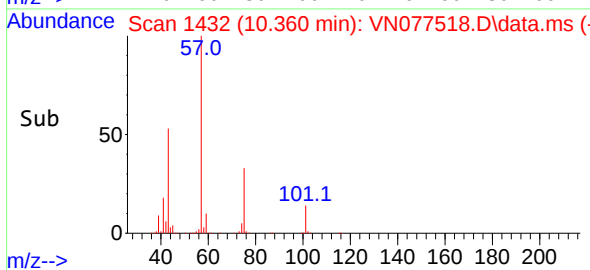
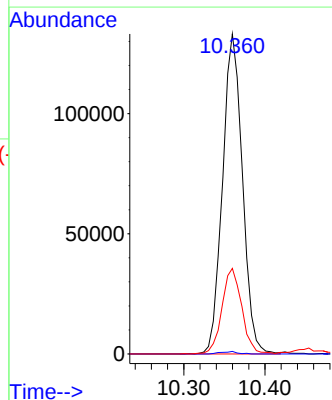
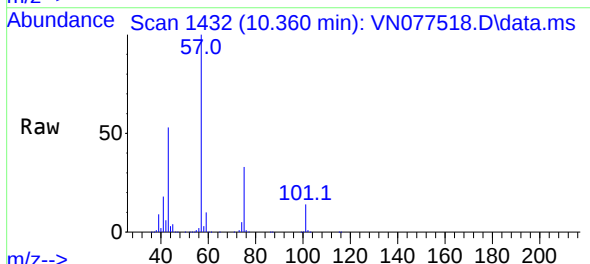
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#02

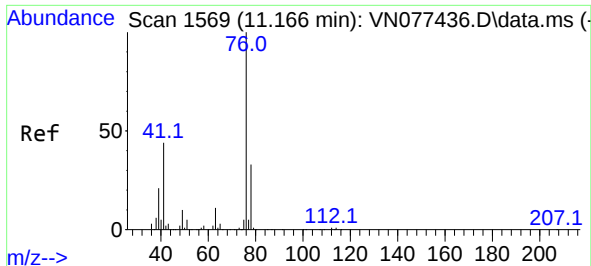
Tgt Ion: 43 Resp: 23198
Ion Ratio Lower Upper
43 100
58 40.9 36.6 54.8



#54
cis-1,3-Dichloropropene
Concen: 18.527 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 75 Resp: 227044
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 26.7 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 2.277 ug/l

RT: 11.201 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN077518.D

Acq: 29 Apr 2023 14:51

Instrument :

MSVOA_N

ClientSampleId :

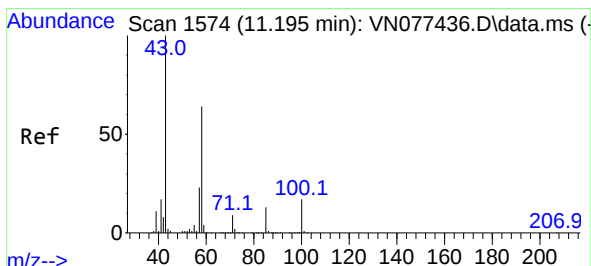
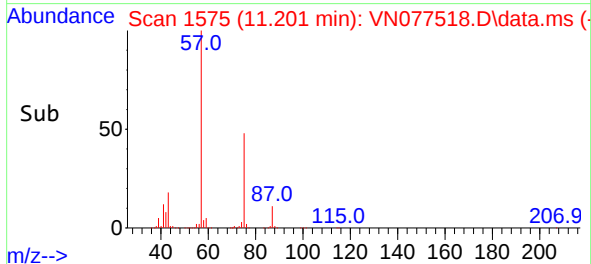
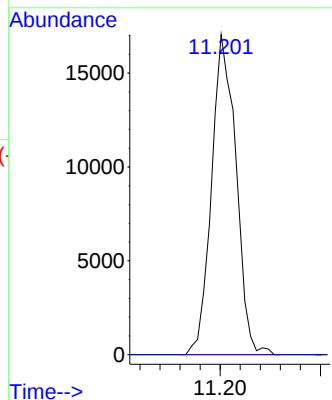
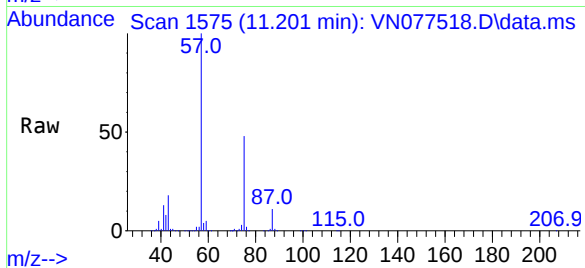
PB152434ZHE#02

Tgt Ion: 76 Resp: 28889

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 70.774 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.024 min

Lab File: VN077518.D

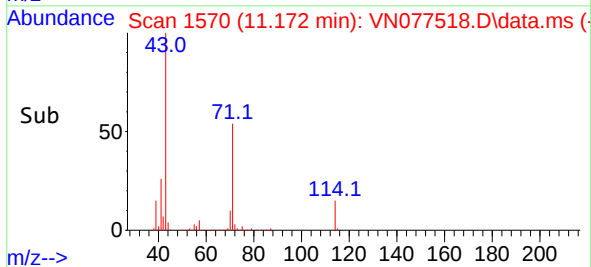
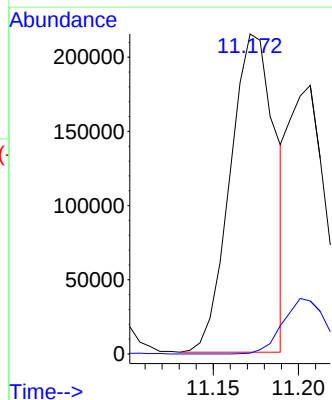
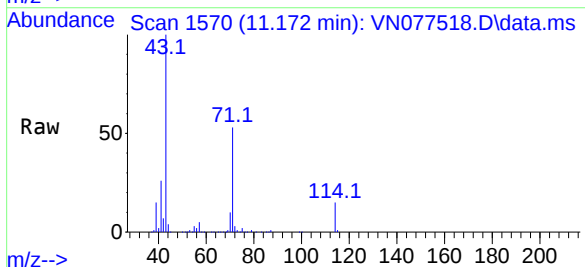
Acq: 29 Apr 2023 14:51

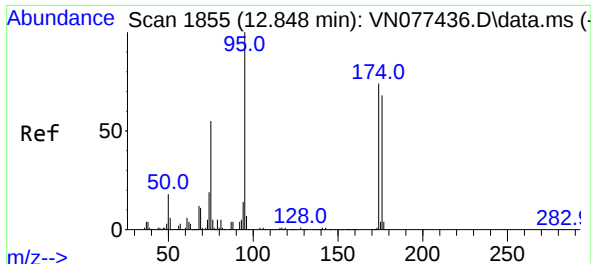
Tgt Ion: 43 Resp: 393786

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

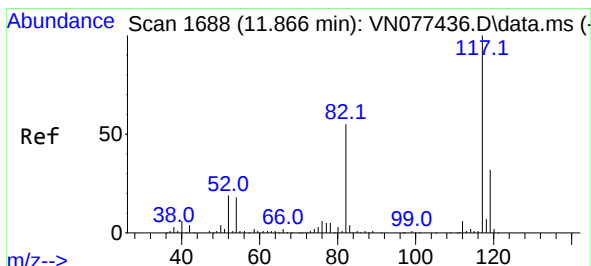
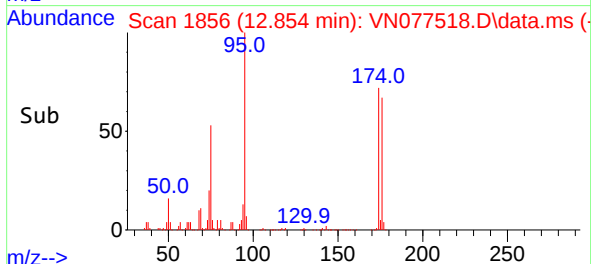
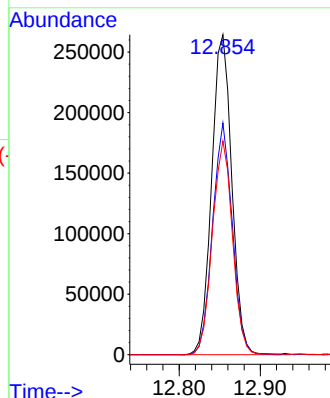
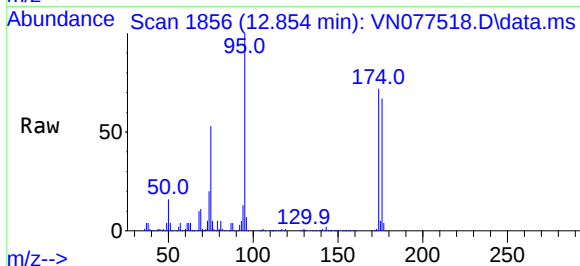




#62
4-Bromofluorobenzene
Concen: 52.769 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

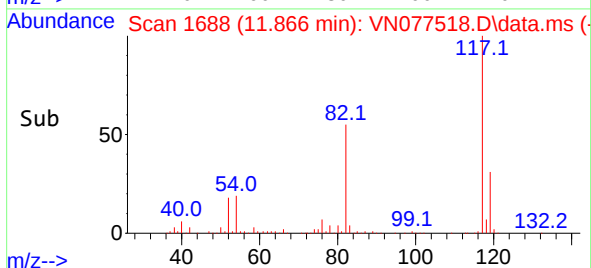
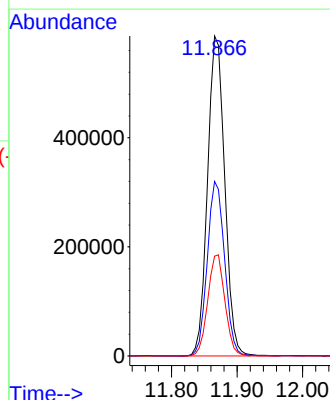
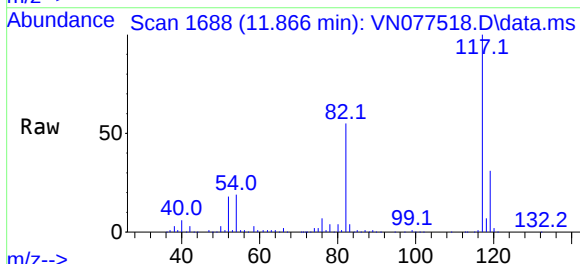
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#02

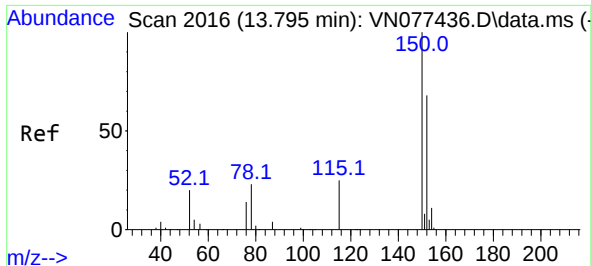
Tgt Ion: 95 Resp: 454664
Ion Ratio Lower Upper
95 100
174 71.2 0.0 143.8
176 66.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 117 Resp: 1071706
Ion Ratio Lower Upper
117 100
82 54.6 44.0 66.0
119 31.2 25.6 38.4

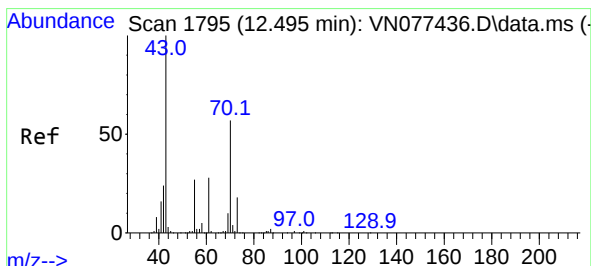
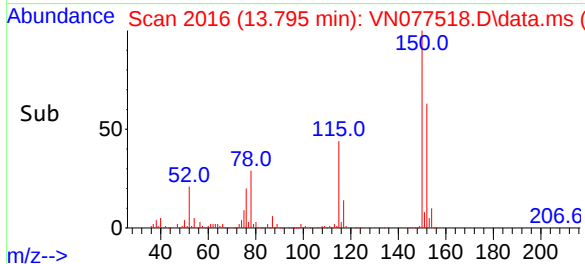
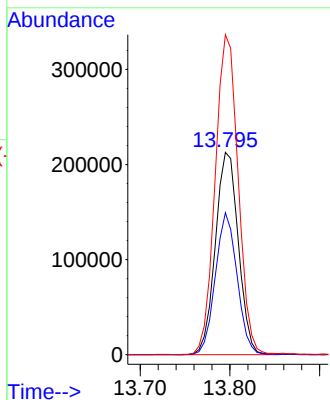
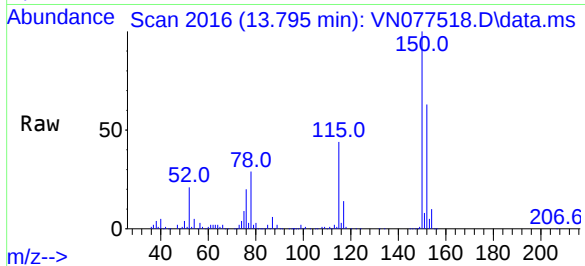




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

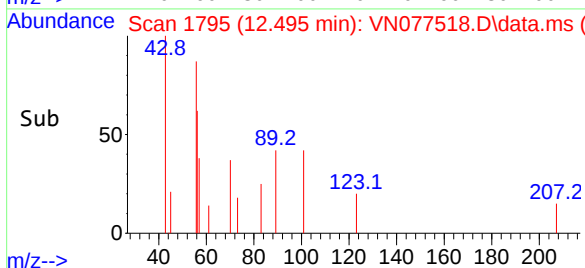
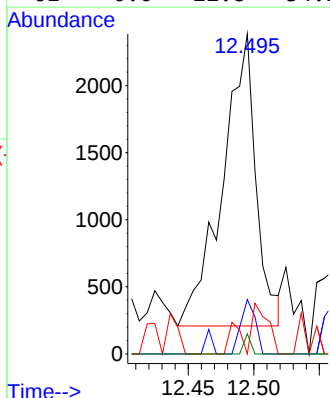
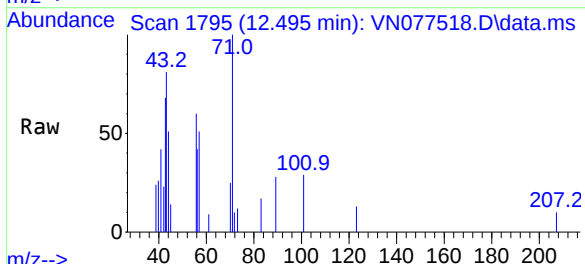
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#02

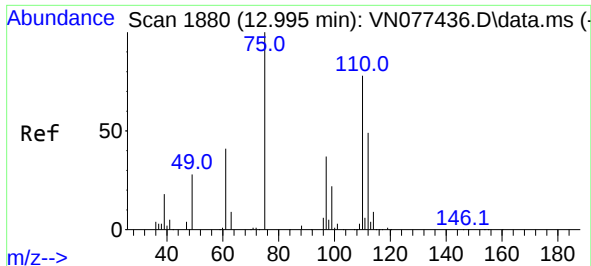
Tgt Ion:152 Resp: 378855
Ion Ratio Lower Upper
152 100
115 66.6 32.3 96.8
150 158.2 0.0 355.8



#74
N-ethyl acetate
Concen: 0.374 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 43 Resp: 3890
Ion Ratio Lower Upper
43 100
70 8.0 43.4 65.2#
55 11.9 21.4 32.0#
61 0.0 22.8 34.2#

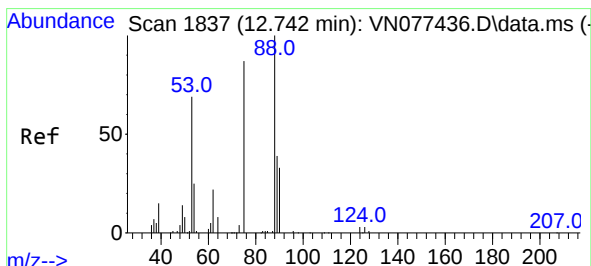
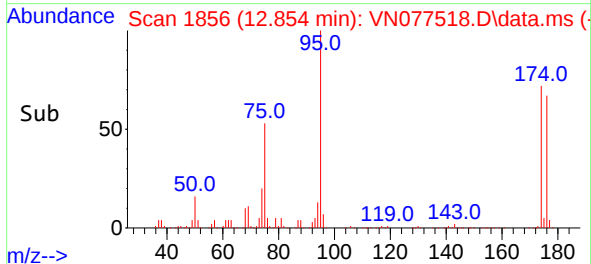
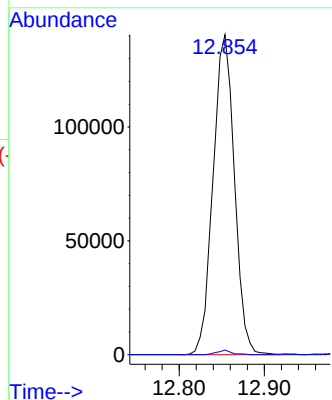
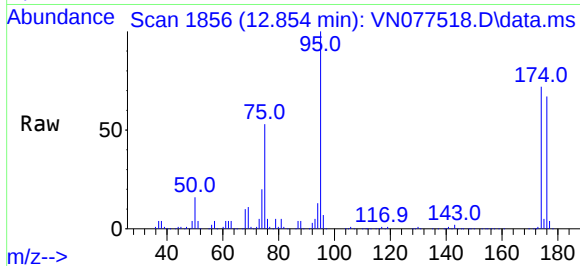




#76
1,2,3-Trichloropropane
Concen: 27.798 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

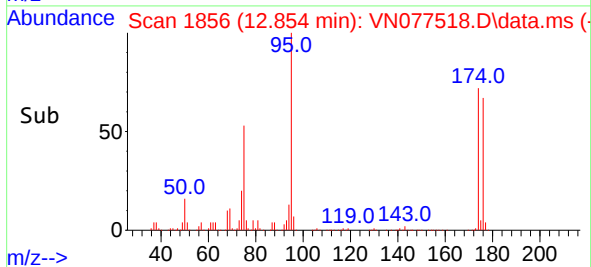
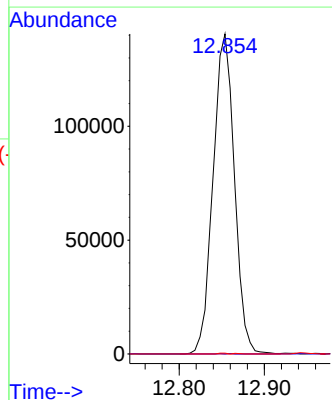
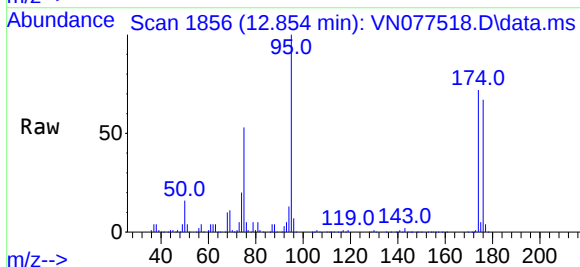
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MSVOA_N
ClientSampleId :
PB152434ZHE#02

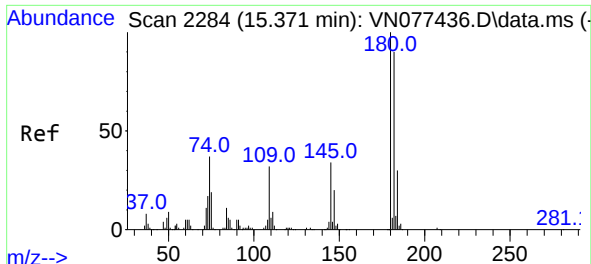
Tgt Ion: 75 Resp: 244897
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.534 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077518.D
Acq: 29 Apr 2023 14:51

Tgt Ion: 75 Resp: 244897
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.939 ug/l

RT: 15.389 min Scan# 21

Delta R.T. 0.018 min

Lab File: VN077518.D

Acq: 29 Apr 2023 14:51

Instrument :

MSVOA_N

ClientSampleId :

PB152434ZHE#02

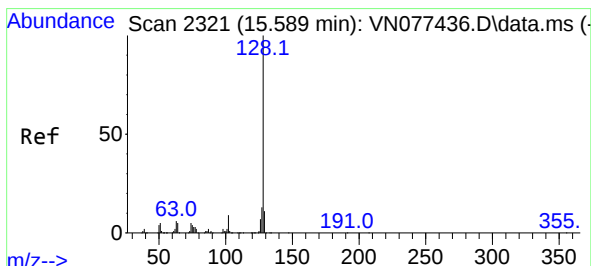
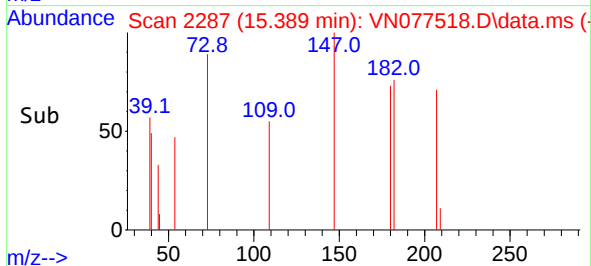
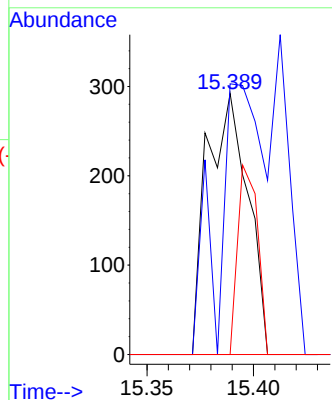
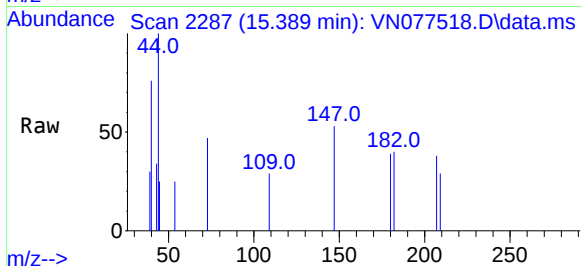
Tgt Ion:180 Resp: 389

Ion Ratio Lower Upper

180 100

182 0.0 46.1 138.2#

145 35.5 16.6 49.8



#95

Naphthalene

Concen: 1.386 ug/l

RT: 15.654 min Scan# 2332

Delta R.T. 0.065 min

Lab File: VN077518.D

Acq: 29 Apr 2023 14:51

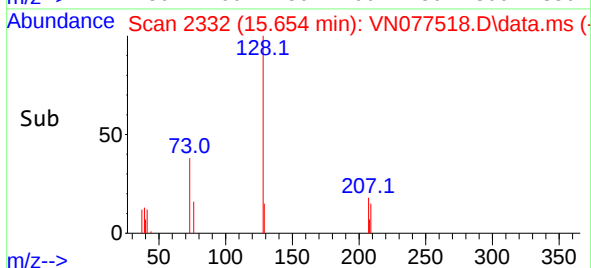
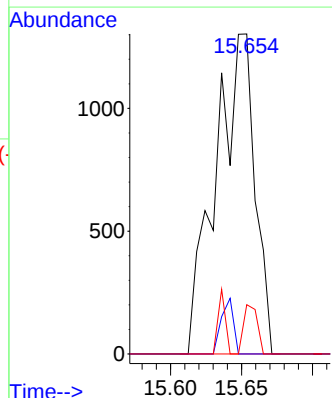
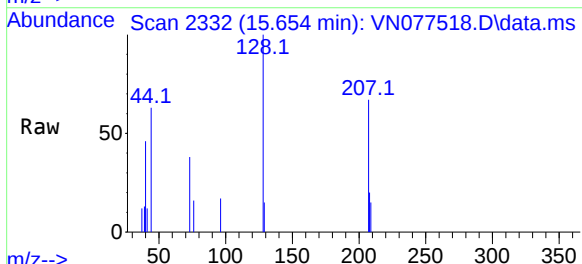
Tgt Ion:128 Resp: 2495

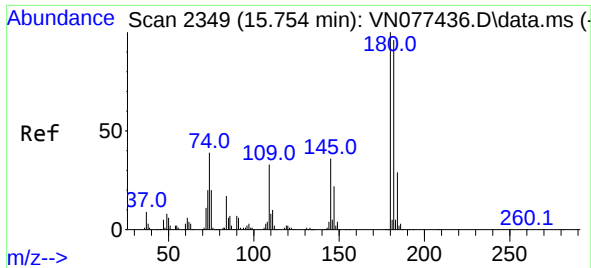
Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

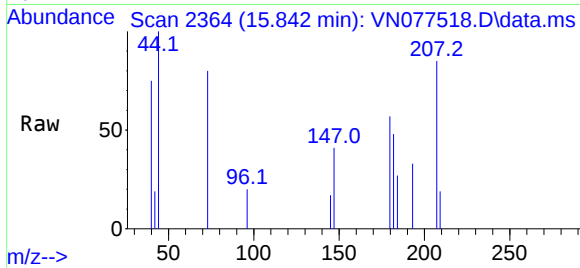
129 5.4 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.629 ug/l
 RT: 15.842 min Scan# 21
 Delta R.T. 0.088 min
 Lab File: VN077518.D
 Acq: 29 Apr 2023 14:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152434ZHE#02



Tgt Ion:180 Resp: 392
 Ion Ratio Lower Upper
 180 100
 182 159.9 46.2 138.6#
 145 14.0 17.5 52.6#

