

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077519.D
 Acq On : 29 Apr 2023 15:15
 Operator : JC\MD
 Sample : PB152434ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152434ZHE#03

Quant Time: May 01 01:23:56 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)

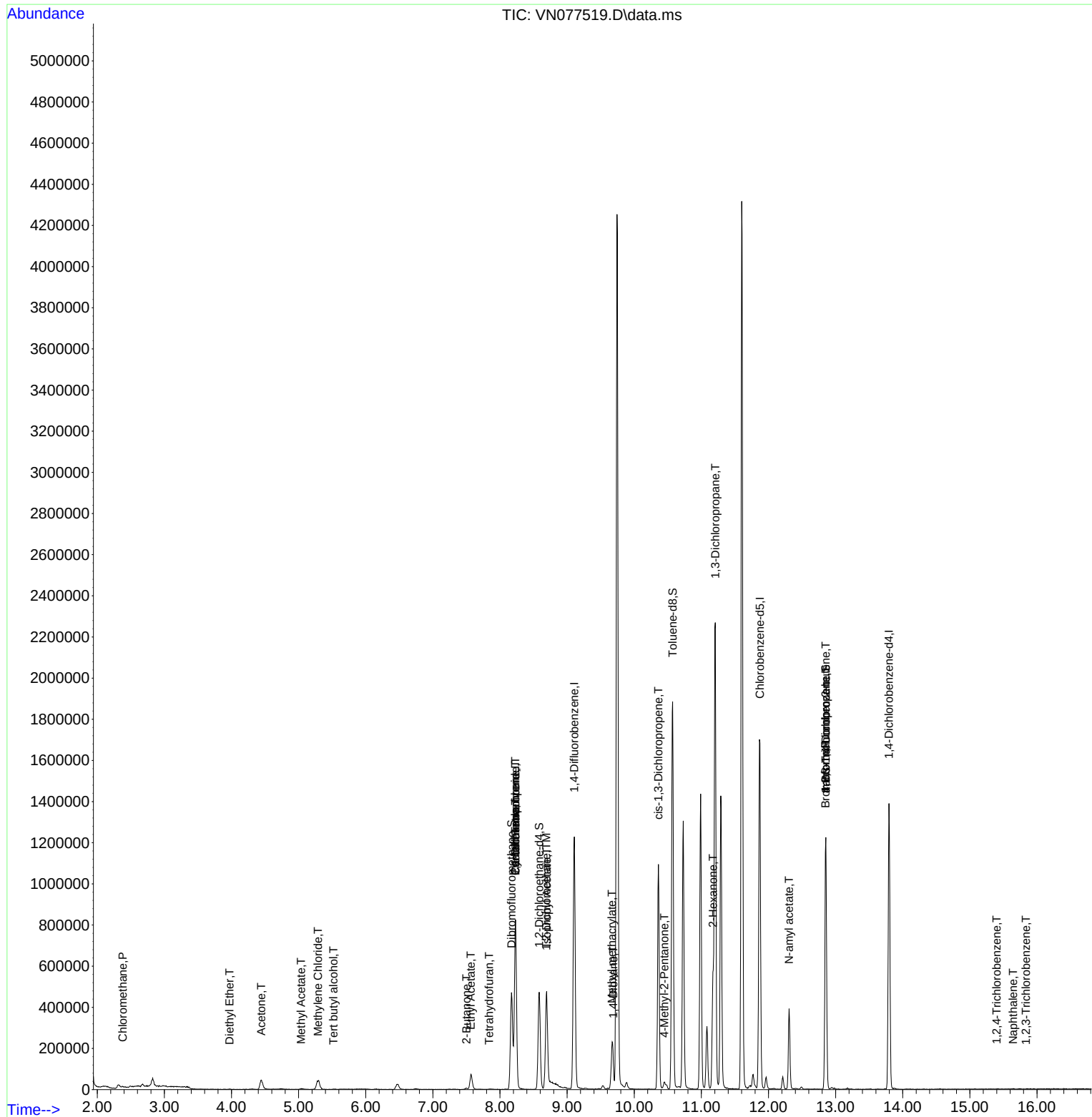
Internal Standards						
1) Pentafluorobenzene	8.230	168	574219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1120101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1061830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	377909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	401687	53.609	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.220%			
35) Dibromofluoromethane	8.172	113	341717	50.758	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.520%			
50) Toluene-d8	10.571	98	1383480	53.619	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.240%			
62) 4-Bromofluorobenzene	12.854	95	457213	54.161	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.320%			
Target Compounds						Qvalue
3) Chloromethane	2.378	50	1326	0.230	ug/l	89
8) Diethyl Ether	3.972	74	962	0.235	ug/l	84
11) Tert butyl alcohol	5.519	59	1060	0.881	ug/l #	72
16) Acetone	4.442	43	85606	35.912	ug/l	98
18) Methyl Acetate	5.037	43	6976	0.758	ug/l #	70
20) Methylene Chloride	5.289	84	38815	5.134	ug/l	86
25) 2-Butanone	7.501	43	8178	2.419	ug/l	90
29) Tetrahydrofuran	7.836	42	712	0.336	ug/l #	42
31) Cyclohexane	8.230	56	13623	1.283	ug/l #	38
36) 1,1-Dichloropropene	8.230	75	51102	5.254	ug/l #	48
37) Ethyl Acetate	7.566	43	102494	13.868	ug/l	99
38) Carbon Tetrachloride	8.230	117	62436	5.818	ug/l #	17
42) 1,2-Dichloroethane	8.689	62	3927	0.386	ug/l #	73
43) Isopropyl Acetate	8.695	43	529298	41.396	ug/l #	87
48) Methyl methacrylate	9.666	41	10929	1.878	ug/l #	33
49) 1,4-Dioxane	9.689	88	198	1.356	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	21356	2.848	ug/l	97
54) cis-1,3-Dichloropropene	10.360	75	232468	19.361	ug/l #	64
57) 1,3-Dichloropropane	11.207	76	28266	2.273	ug/l #	43
59) 2-Hexanone	11.171	43	393552	72.193	ug/l #	19
71) Bromoform	12.848	173	2076	0.388	ug/l #	28
74) N-amyl acetate	12.307	43	105698	10.181	ug/l #	46
76) 1,2,3-Trichloropropane	12.854	75	242241	27.565	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	242241	77.877	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.401	180	56	0.818	ug/l #	65
95) Naphthalene	15.642	128	1540	1.293	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.836	180	734	0.766	ug/l #	34

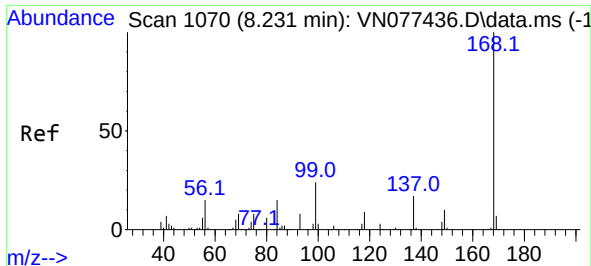
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
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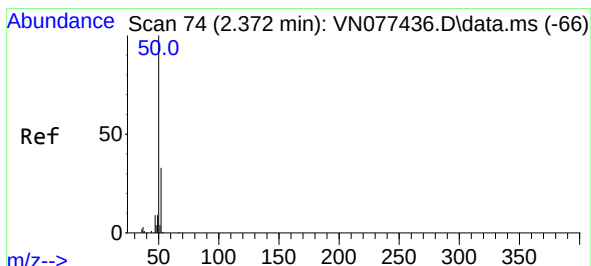
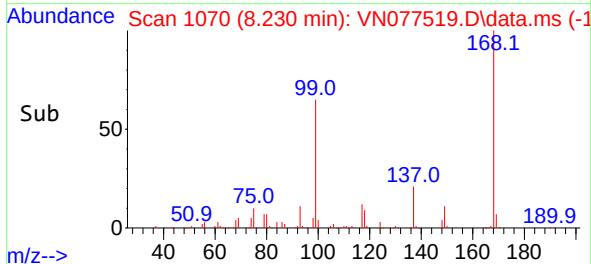
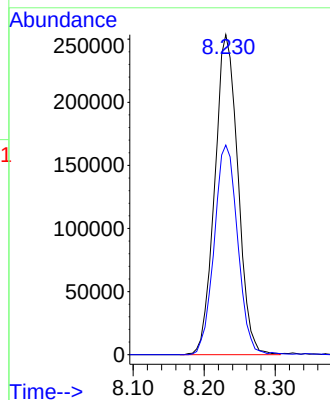
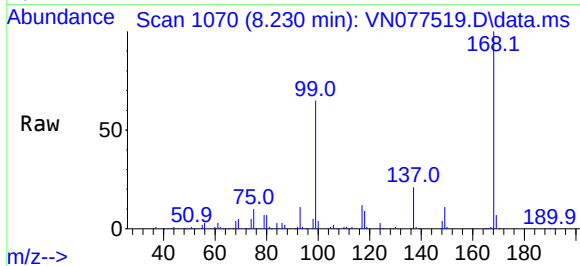




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

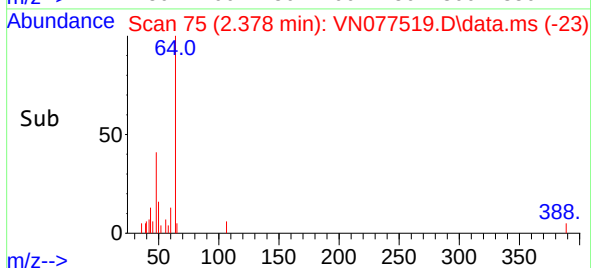
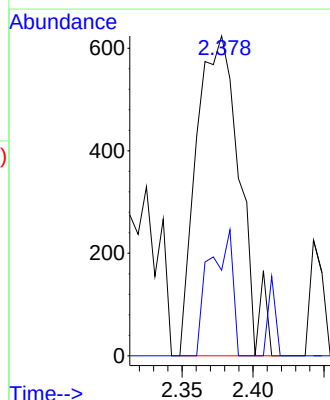
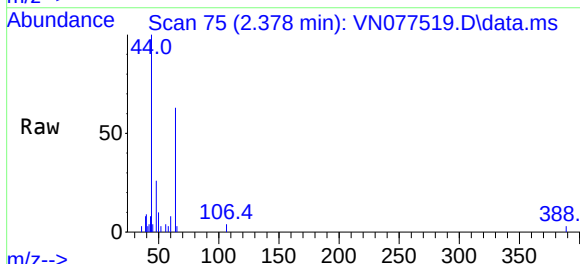
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#03

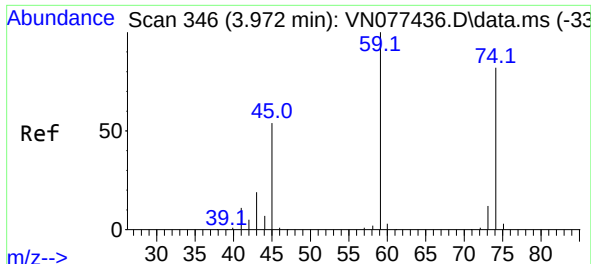
Tgt Ion:168 Resp: 574219
Ion Ratio Lower Upper
168 100
99 65.5 53.0 79.6



#3
Chloromethane
Concen: 0.230 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

Tgt Ion: 50 Resp: 1326
Ion Ratio Lower Upper
50 100
52 26.8 26.5 39.7





#8

Diethyl Ether

Concen: 0.235 ug/l

RT: 3.972 min Scan# 346

Delta R.T. -0.000 min

Lab File: VN077519.D

Acq: 29 Apr 2023 15:15

Instrument :

MSVOA_N

ClientSampleId :

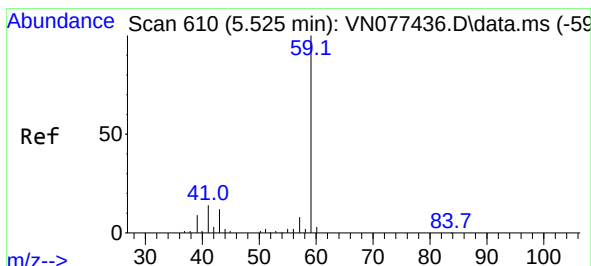
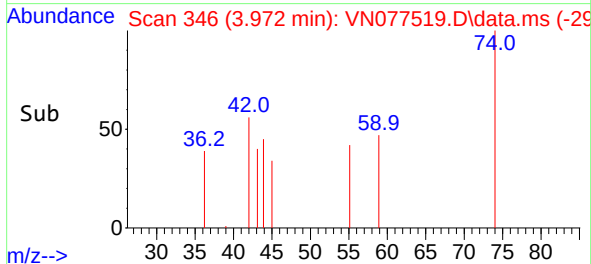
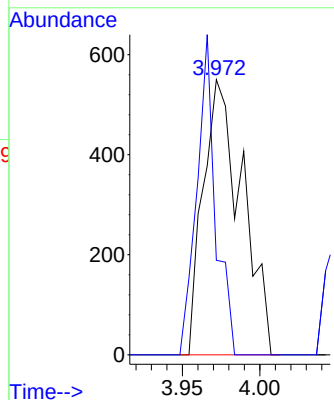
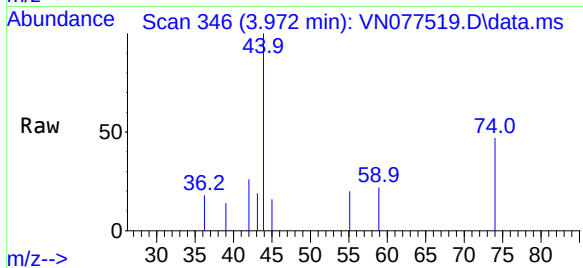
PB152434ZHE#03

Tgt Ion: 74 Resp: 962

Ion Ratio Lower Upper

74 100

45 55.8 34.4 103.3



#11

Tert butyl alcohol

Concen: 0.881 ug/l

RT: 5.519 min Scan# 609

Delta R.T. -0.006 min

Lab File: VN077519.D

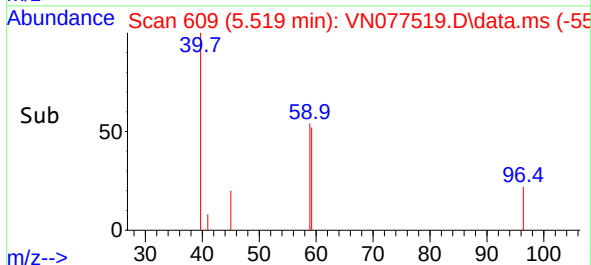
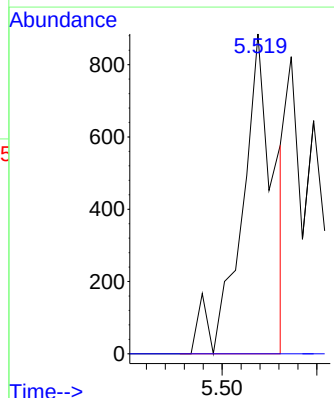
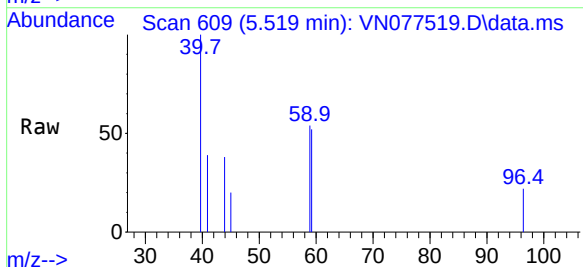
Acq: 29 Apr 2023 15:15

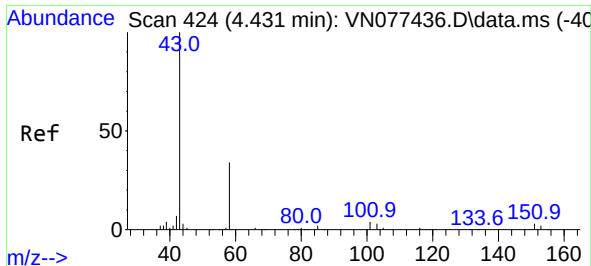
Tgt Ion: 59 Resp: 1060

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

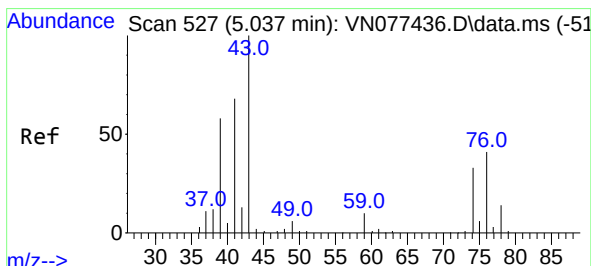
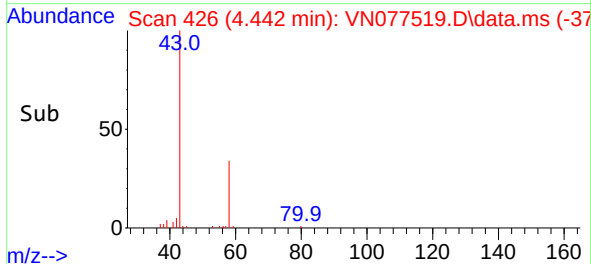
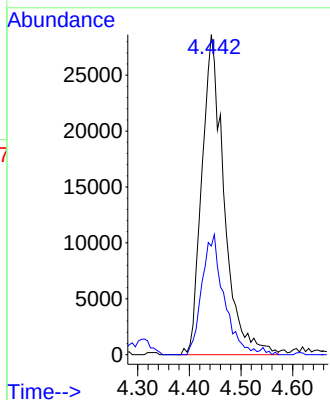
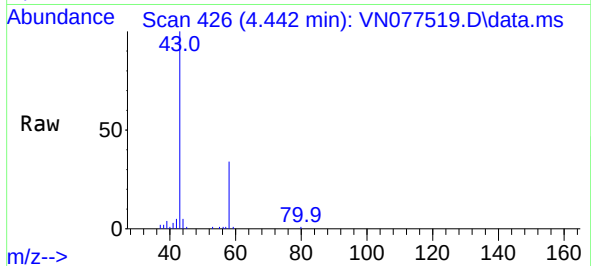




#16
Acetone
Concen: 35.912 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

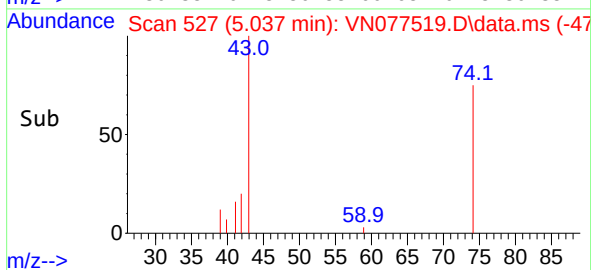
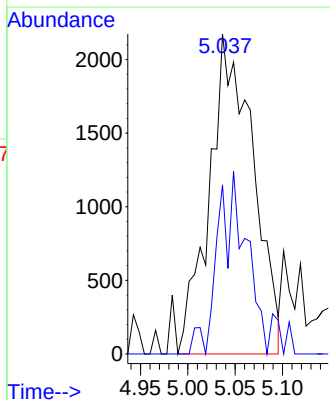
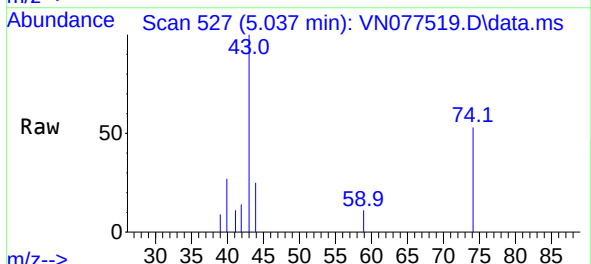
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#03

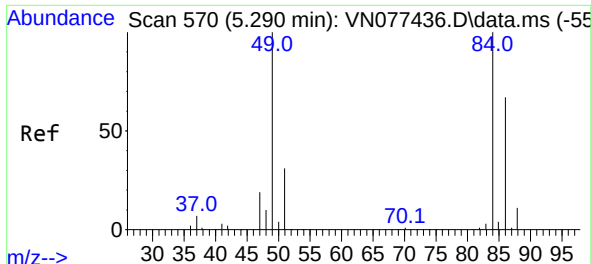
Tgt Ion: 43 Resp: 85606
Ion Ratio Lower Upper
43 100
58 33.9 28.0 42.0



#18
Methyl Acetate
Concen: 0.758 ug/l
RT: 5.037 min Scan# 527
Delta R.T. -0.000 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

Tgt Ion: 43 Resp: 6976
Ion Ratio Lower Upper
43 100
74 16.1 26.2 39.4#

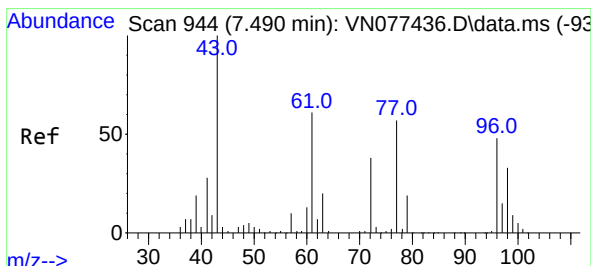
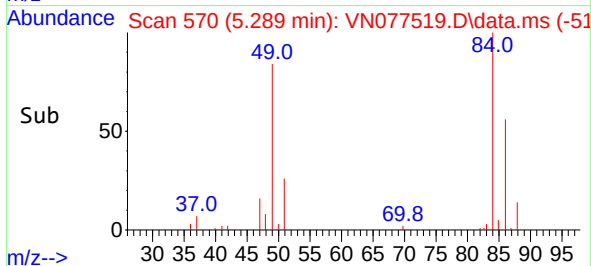
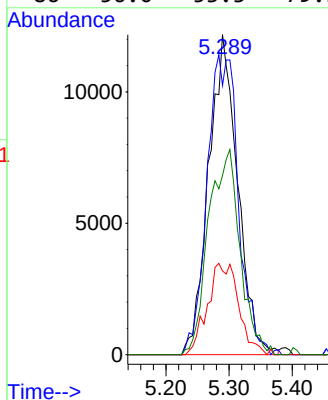
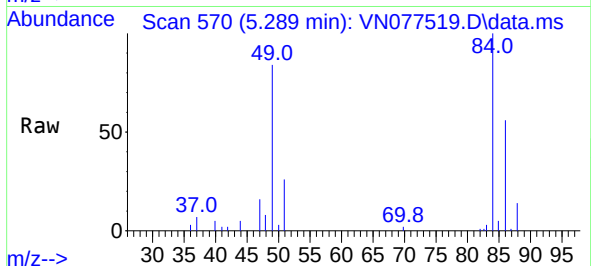




#20
Methylene Chloride
Concen: 5.134 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

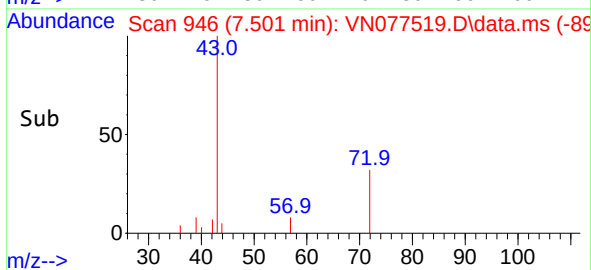
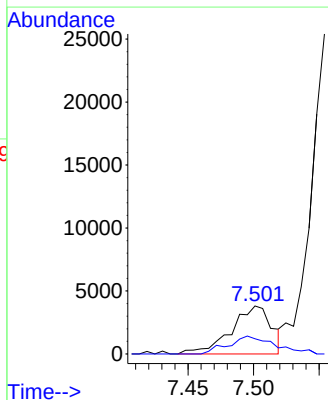
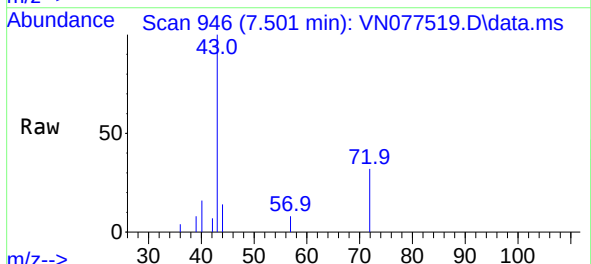
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#03

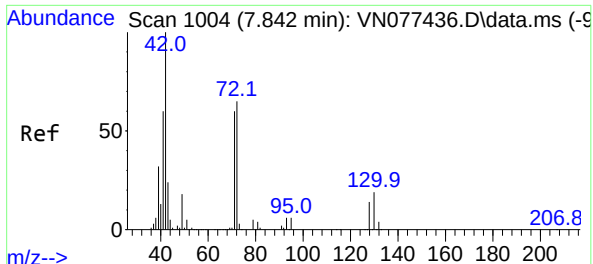
Tgt Ion:	84	Resp:	38815
Ion	Ratio	Lower	Upper
84	100		
49	84.1	79.7	119.5
51	26.1	25.2	37.8
86	56.0	53.3	79.9



#25
2-Butanone
Concen: 2.419 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

Tgt Ion:	43	Resp:	8178
Ion	Ratio	Lower	Upper
43	100		
72	31.6	30.2	45.2

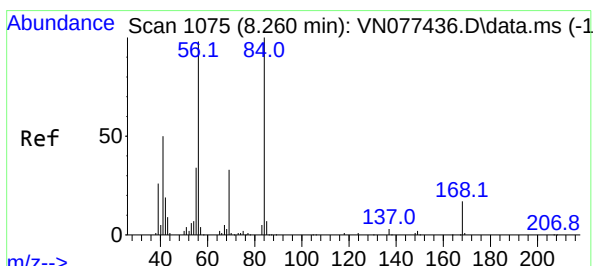
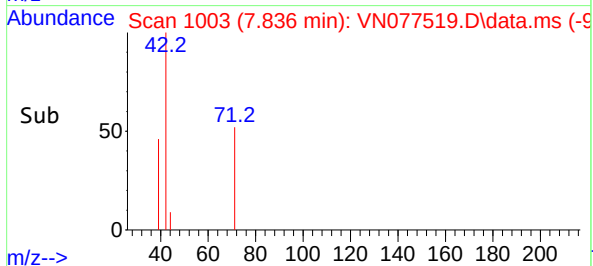
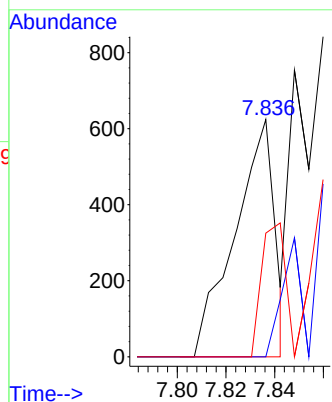
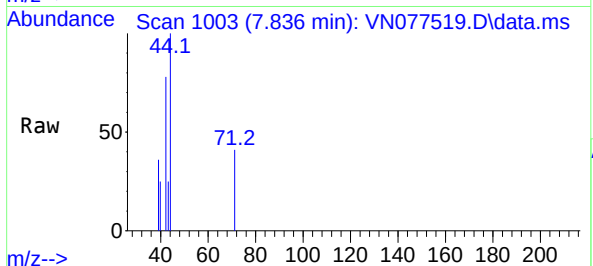




#29
Tetrahydrofuran
Concen: 0.336 ug/l
RT: 7.836 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

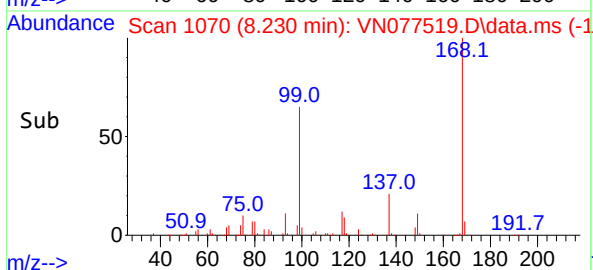
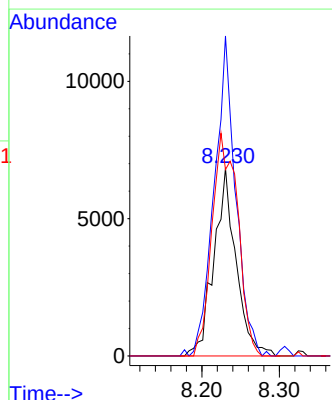
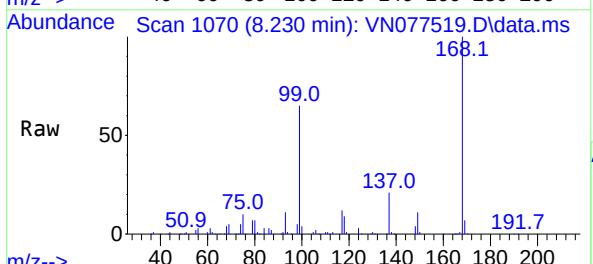
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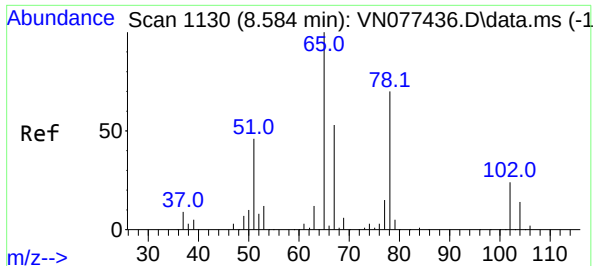
Tgt Ion: 42 Resp: 712
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 33.6 47.4 71.2#



#31
Cyclohexane
Concen: 1.283 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.030 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

Tgt Ion: 56 Resp: 13623
Ion Ratio Lower Upper
56 100
69 170.1 26.8 40.2#
84 99.1 81.8 122.6

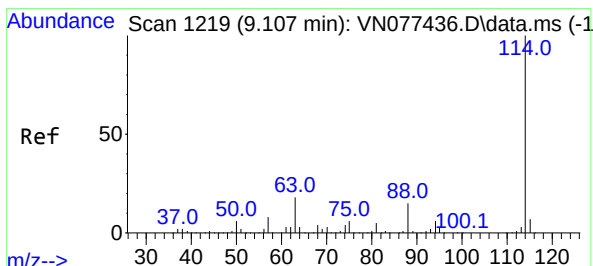
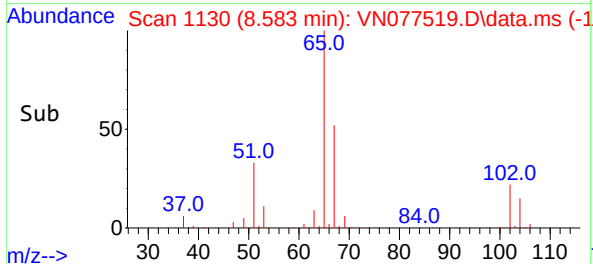
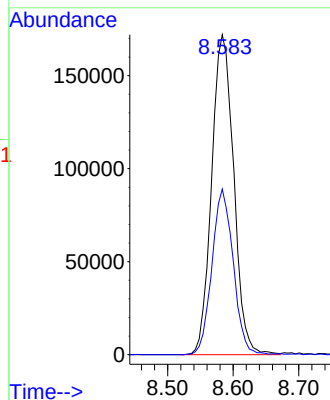
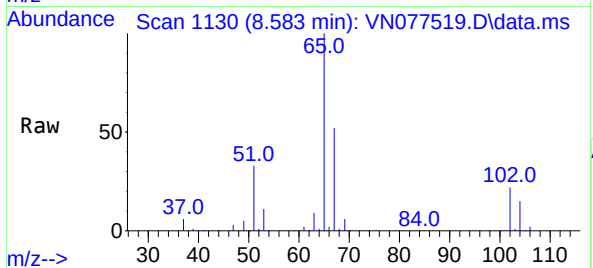




#33
1,2-Dichloroethane-d4
Concen: 53.609 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

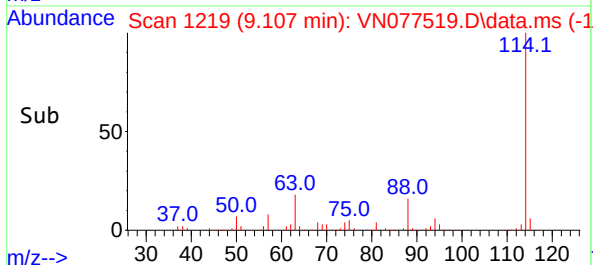
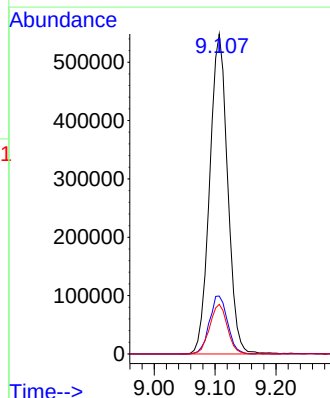
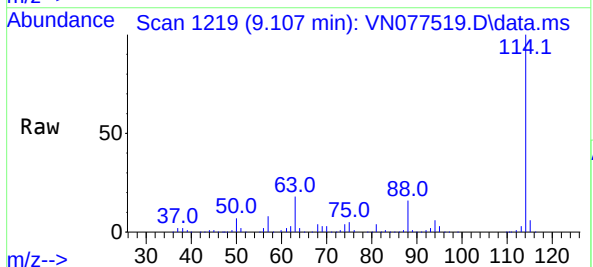
Instrument :
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PB152434ZHE#03

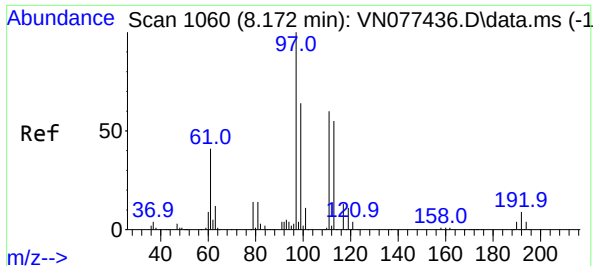
Tgt Ion: 65 Resp: 401687
Ion Ratio Lower Upper
65 100
67 50.0 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

Tgt Ion: 114 Resp: 1120101
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.4
88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.758 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077519.D

Acq: 29 Apr 2023 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB152434ZHE#03

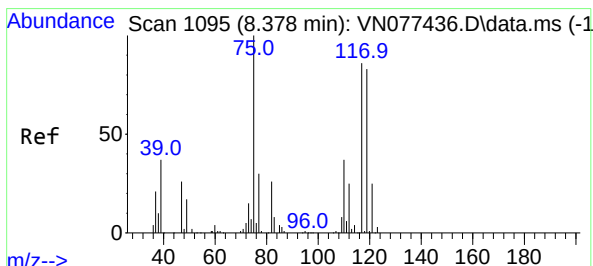
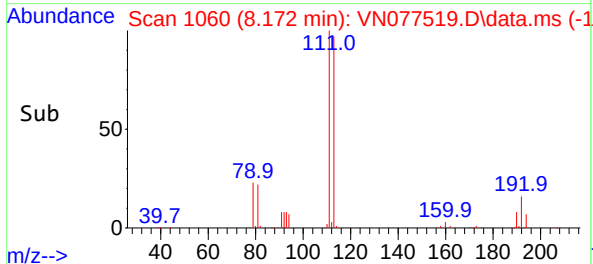
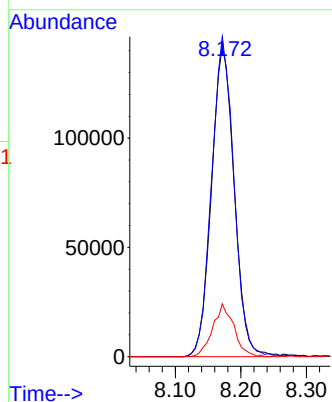
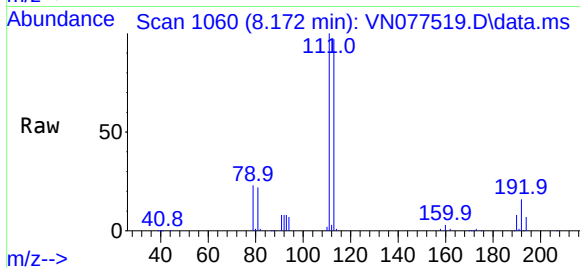
Tgt Ion:113 Resp: 341717

Ion Ratio Lower Upper

113 100

111 101.3 82.6 123.8

192 15.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.254 ug/l

RT: 8.230 min Scan# 1070

Delta R.T. -0.147 min

Lab File: VN077519.D

Acq: 29 Apr 2023 15:15

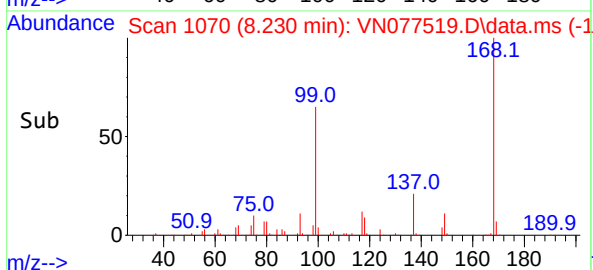
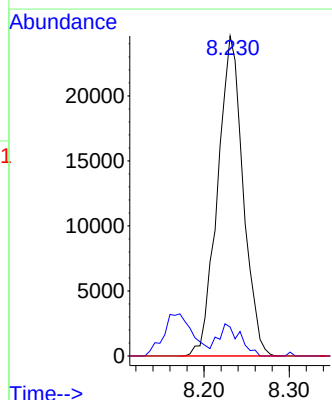
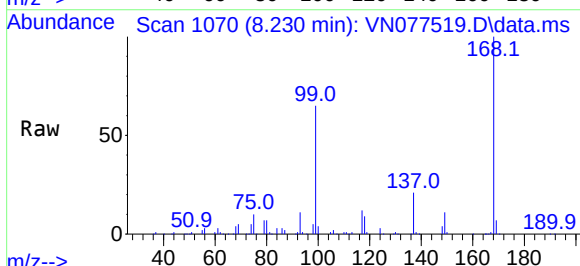
Tgt Ion: 75 Resp: 51102

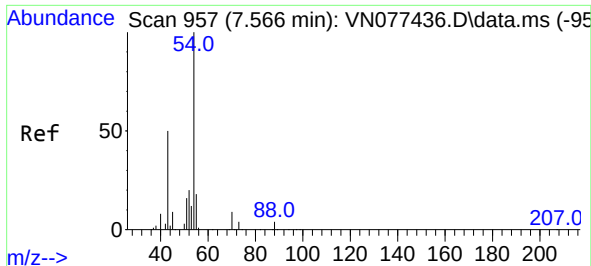
Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 13.868 ug/l

RT: 7.566 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN077519.D

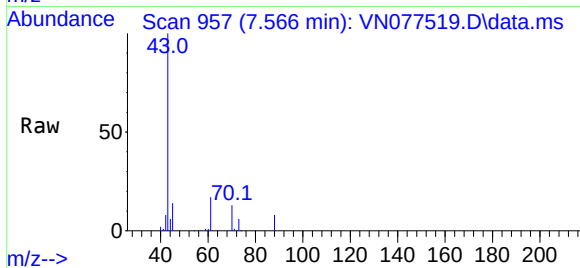
Acq: 29 Apr 2023 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB152434ZHE#03



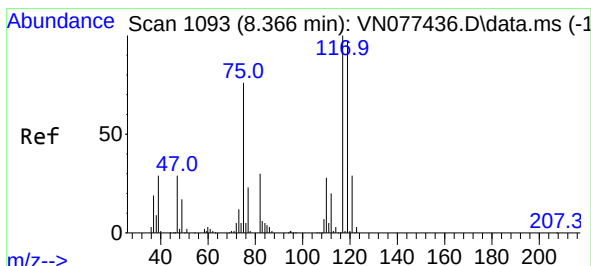
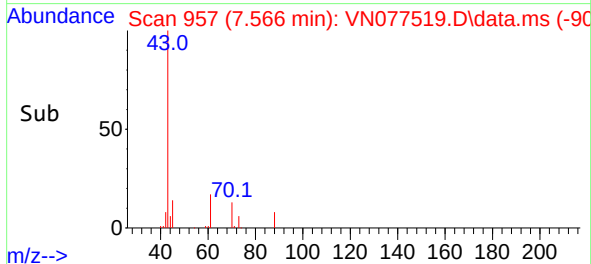
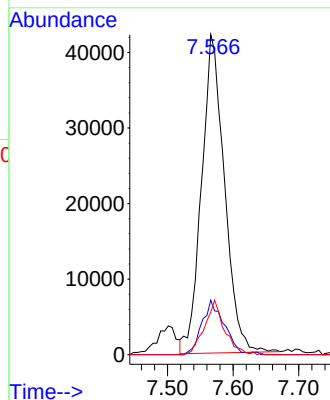
Tgt Ion: 43 Resp: 102494

Ion Ratio Lower Upper

43 100

61 16.6 13.2 19.8

70 15.0 11.3 16.9



#38

Carbon Tetrachloride

Concen: 5.818 ug/l

RT: 8.230 min Scan# 1070

Delta R.T. -0.135 min

Lab File: VN077519.D

Acq: 29 Apr 2023 15:15

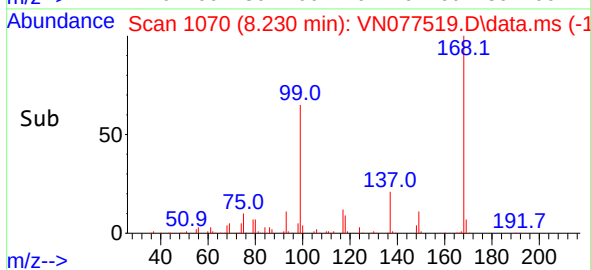
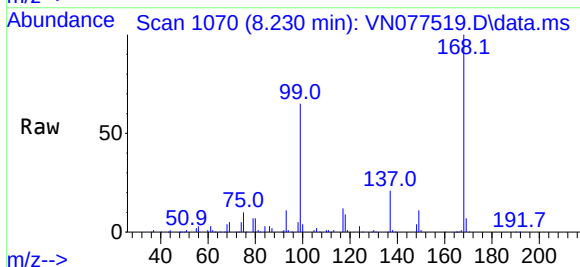
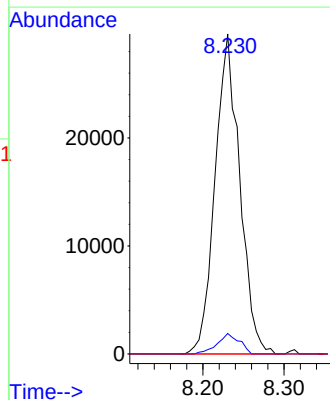
Tgt Ion: 117 Resp: 62436

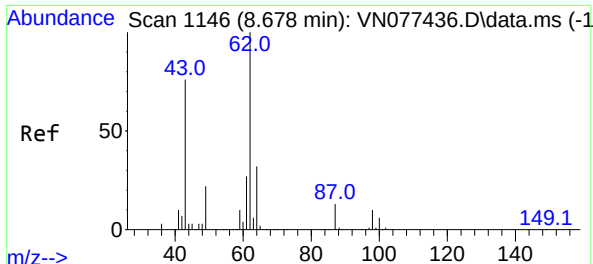
Ion Ratio Lower Upper

117 100

119 6.4 77.3 115.9#

121 0.0 23.3 34.9#

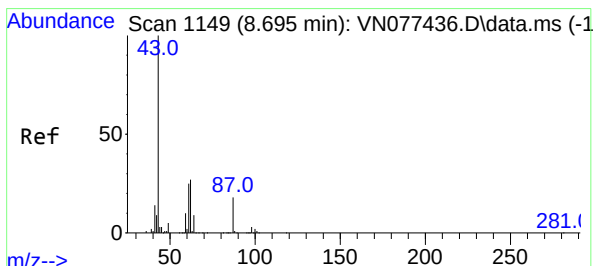
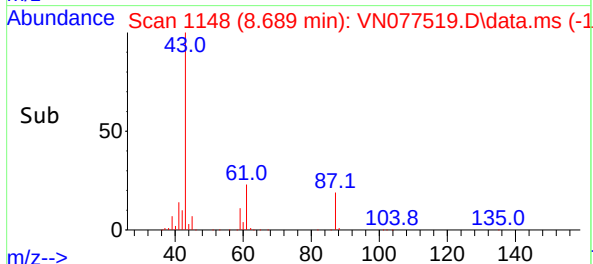
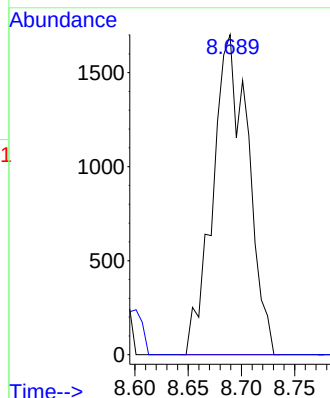
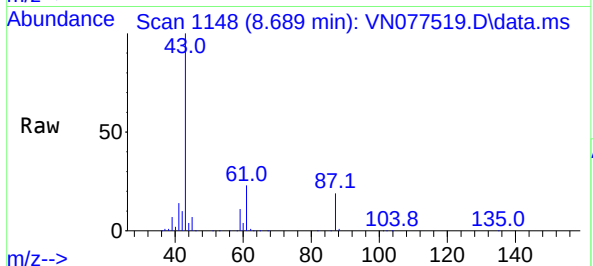




#42
1,2-Dichloroethane
Concen: 0.386 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.012 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

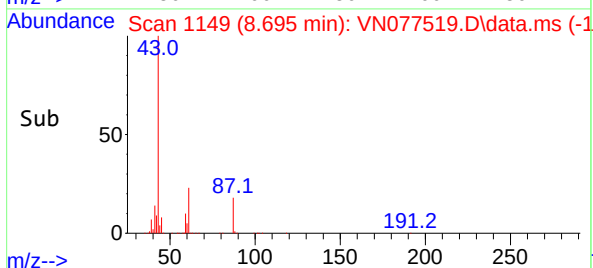
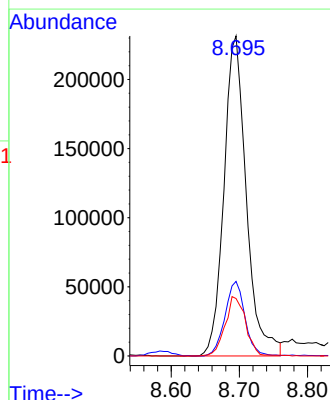
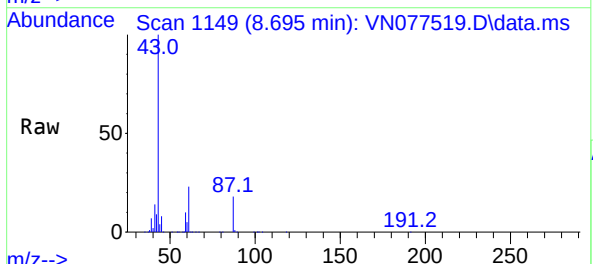
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#03

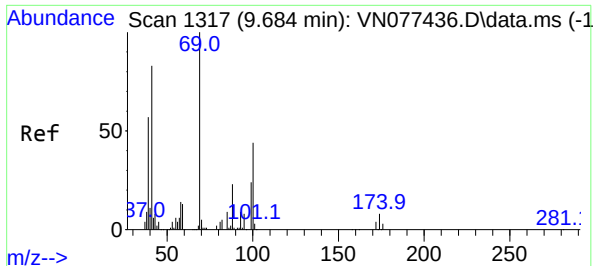
Tgt Ion: 62 Resp: 3927
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 41.396 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

Tgt Ion: 43 Resp: 529298
Ion Ratio Lower Upper
43 100
61 20.8 24.7 37.1#
87 17.1 14.6 21.8





#48

Methyl methacrylate

Concen: 1.878 ug/l

RT: 9.666 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN077519.D

Acq: 29 Apr 2023 15:15

Instrument :

MSVOA_N

ClientSampleId :

PB152434ZHE#03

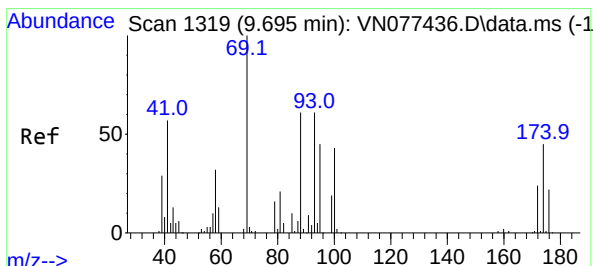
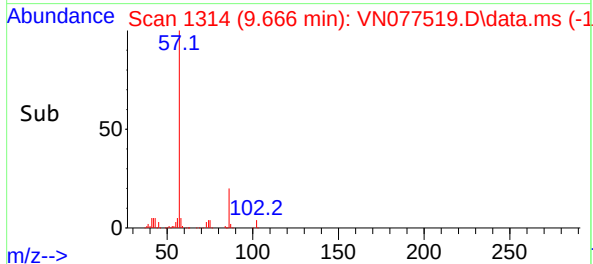
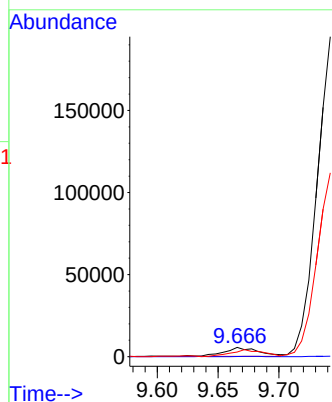
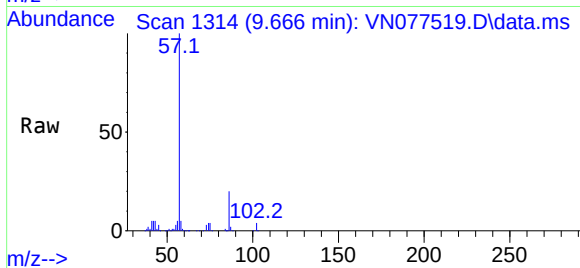
Tgt Ion: 41 Resp: 10929

Ion Ratio Lower Upper

41 100

69 2.3 90.4 135.6#

39 73.3 54.6 81.8



#49

1,4-Dioxane

Concen: 1.356 ug/l

RT: 9.689 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN077519.D

Acq: 29 Apr 2023 15:15

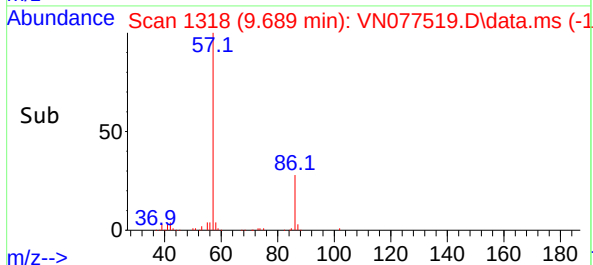
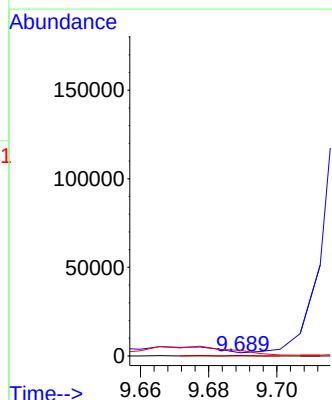
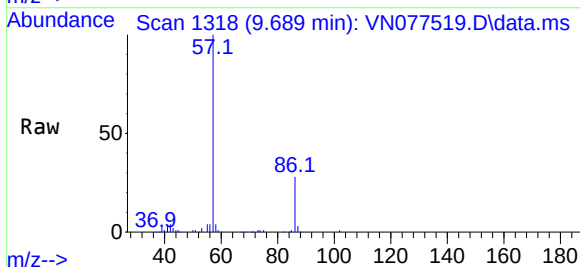
Tgt Ion: 88 Resp: 198

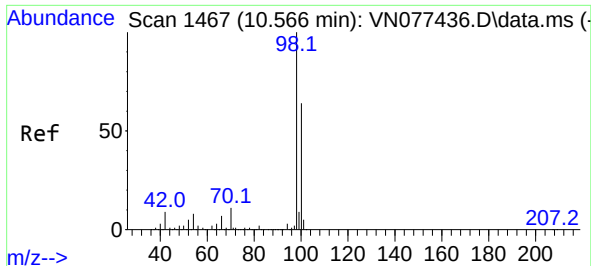
Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 5690.9 47.0 70.4#

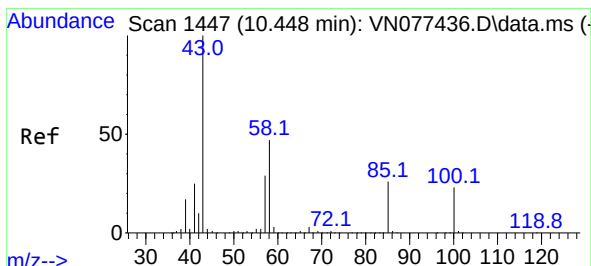
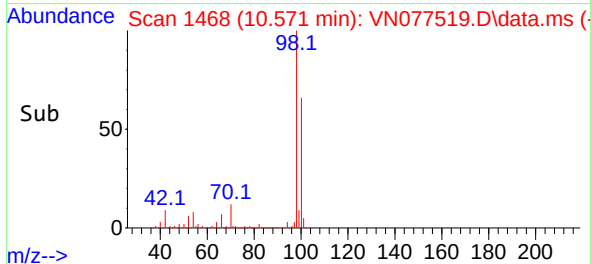
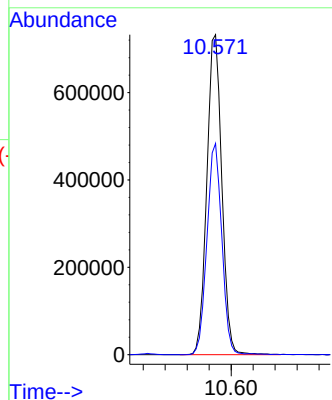
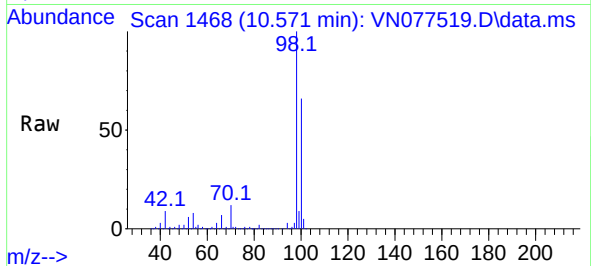




#50
Toluene-d8
Concen: 53.619 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

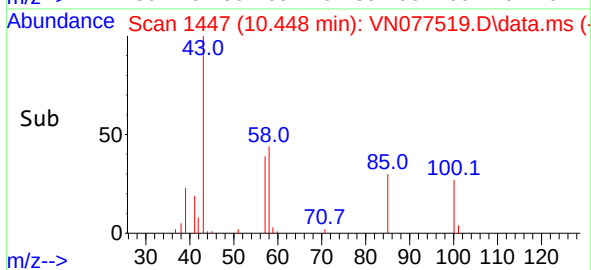
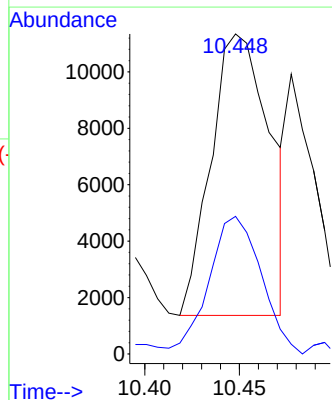
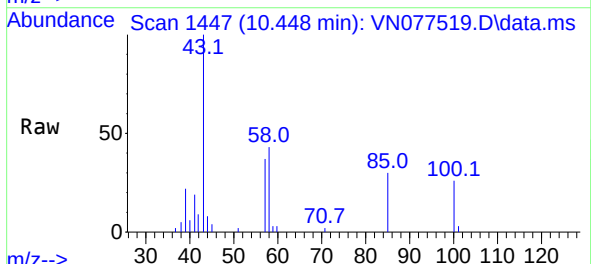
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#03

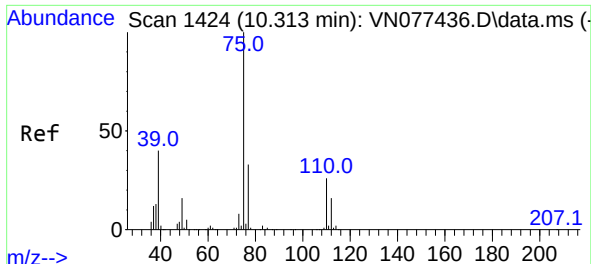
Tgt Ion: 98 Resp: 1383480
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.848 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

Tgt Ion: 43 Resp: 21356
Ion Ratio Lower Upper
43 100
58 43.7 36.6 54.8

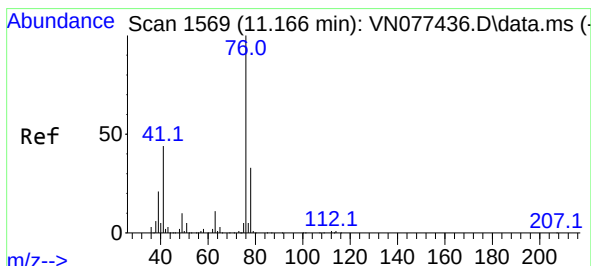
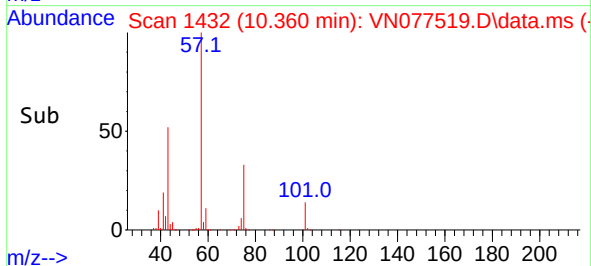
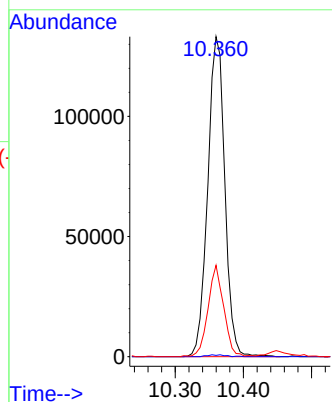
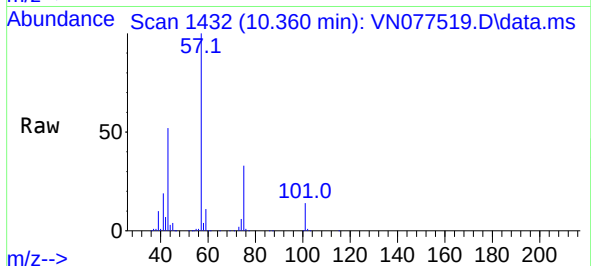




#54
cis-1,3-Dichloropropene
Concen: 19.361 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

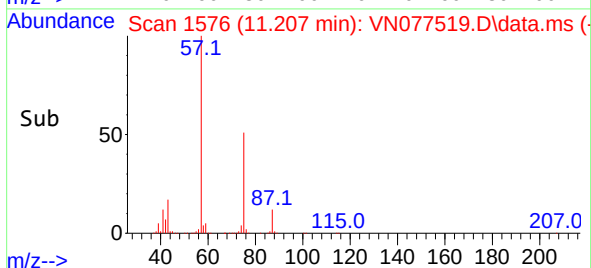
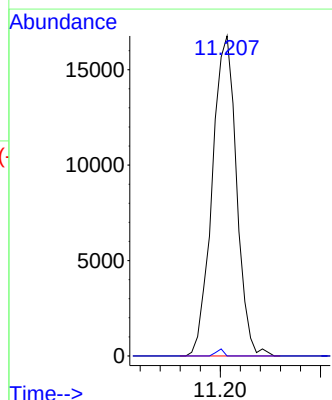
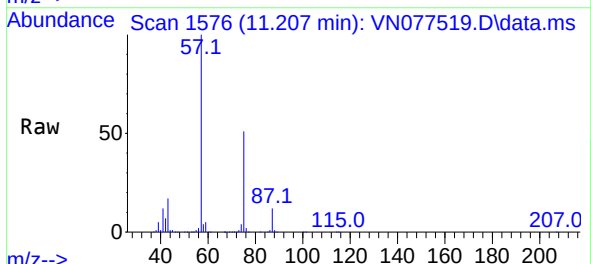
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#03

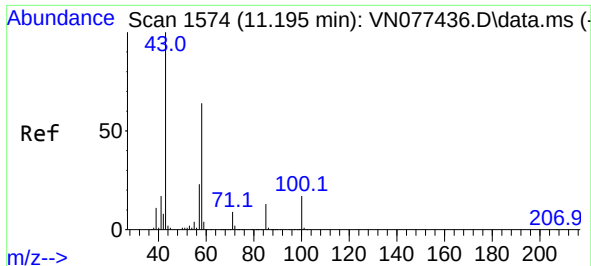
Tgt Ion: 75 Resp: 232468
Ion Ratio Lower Upper
75 100
77 0.4 26.1 39.1#
39 28.5 31.6 47.4#



#57
1,3-Dichloropropane
Concen: 2.273 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

Tgt Ion: 76 Resp: 28266
Ion Ratio Lower Upper
76 100
78 0.7 26.1 39.1#

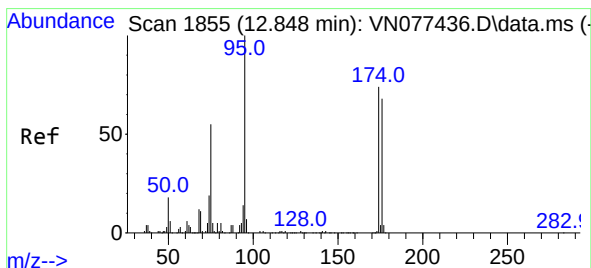
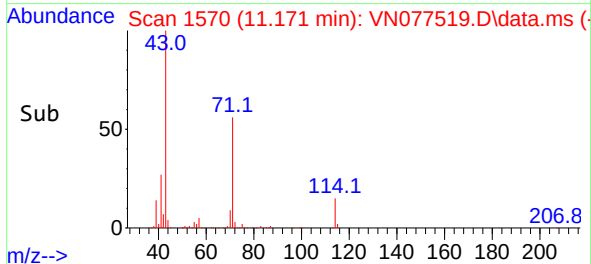
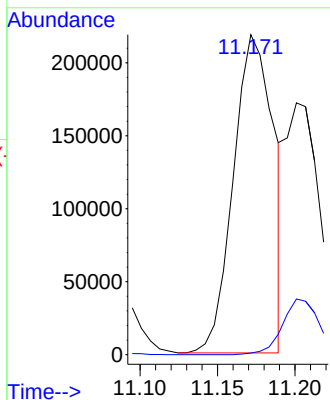
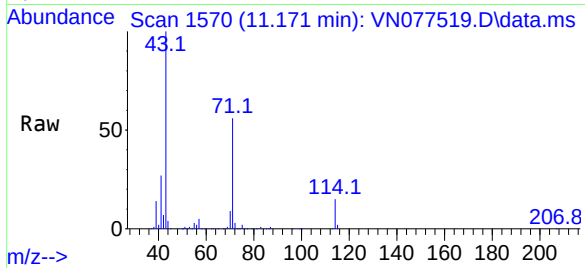




#59
2-Hexanone
Concen: 72.193 ug/l
RT: 11.171 min Scan# 11170
Delta R.T. -0.024 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

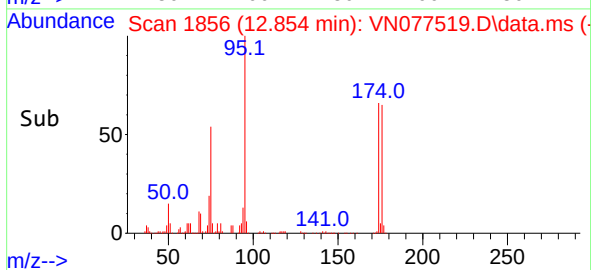
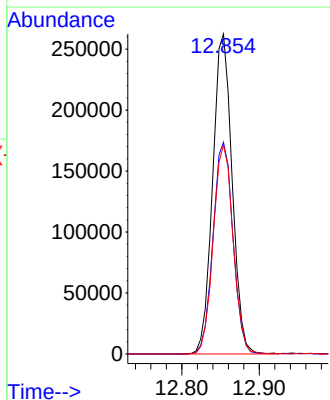
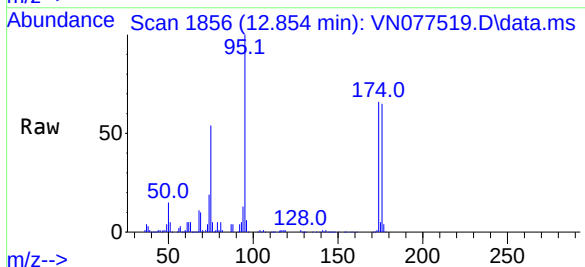
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#03

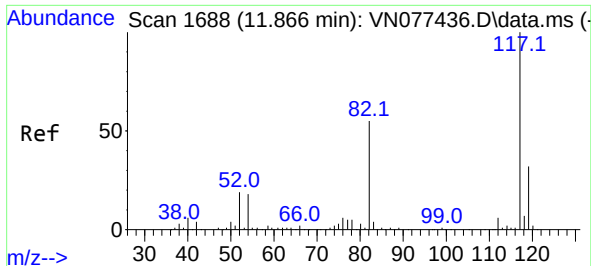
Tgt Ion: 43 Resp: 393552
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 54.161 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

Tgt Ion: 95 Resp: 457213
Ion Ratio Lower Upper
95 100
174 68.1 0.0 143.8
176 66.6 0.0 135.8

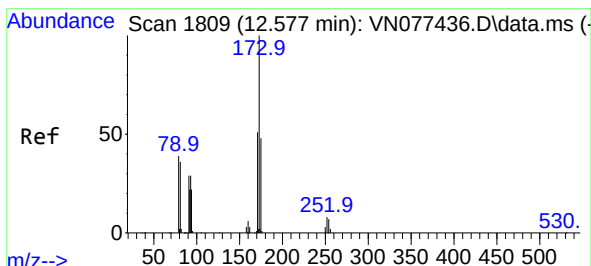
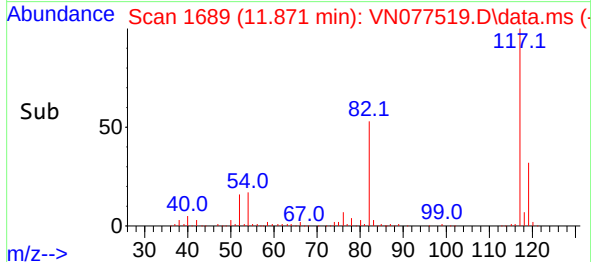
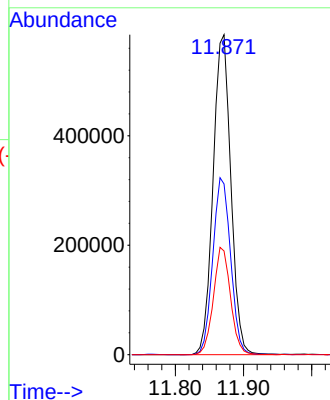
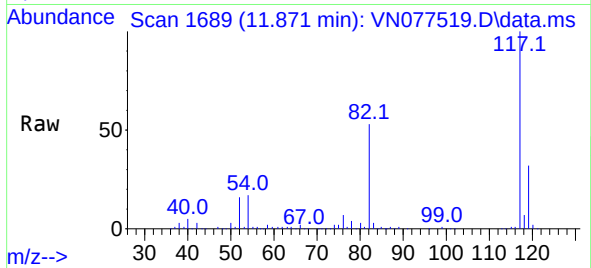




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

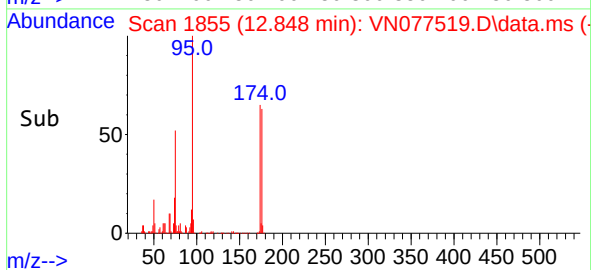
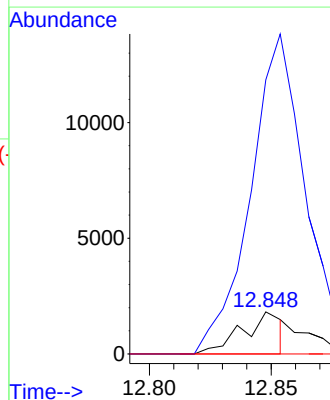
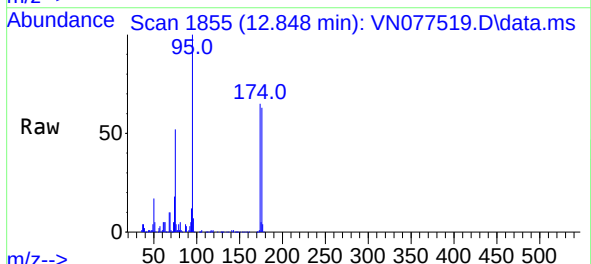
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#03

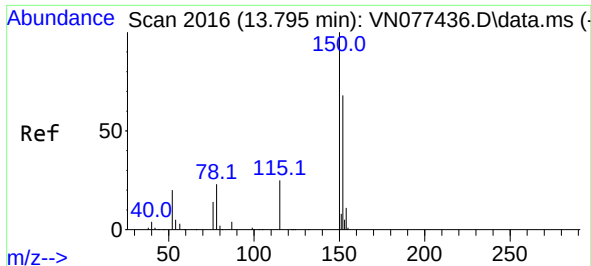
Tgt Ion:117 Resp: 1061830
Ion Ratio Lower Upper
117 100
82 53.3 44.0 66.0
119 32.4 25.6 38.4



#71
Bromoform
Concen: 0.388 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.270 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

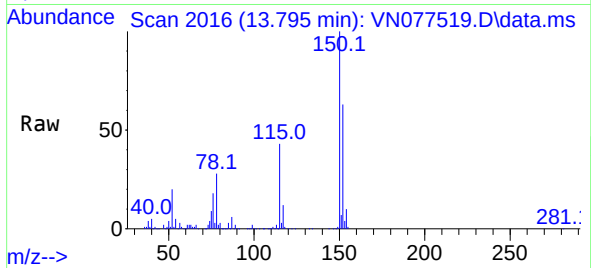
Tgt Ion:173 Resp: 2076
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



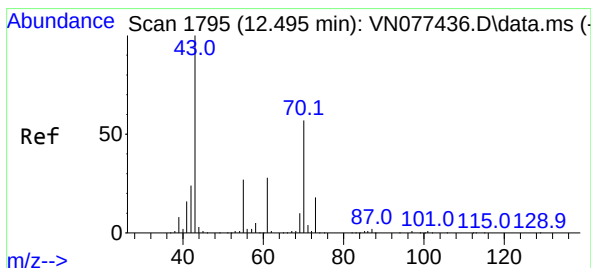
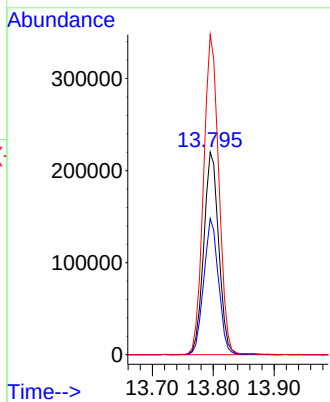
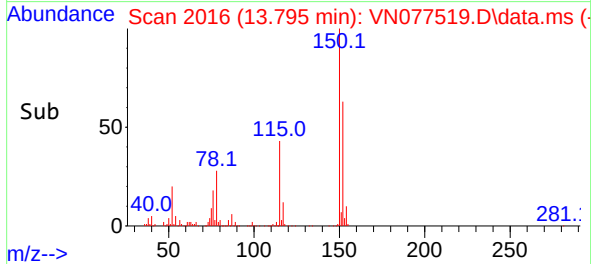


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#03

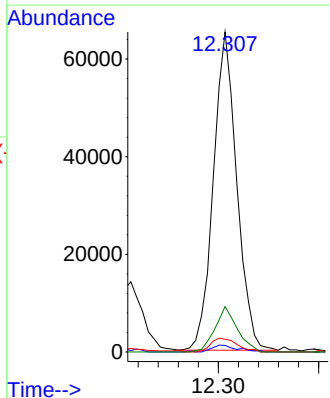
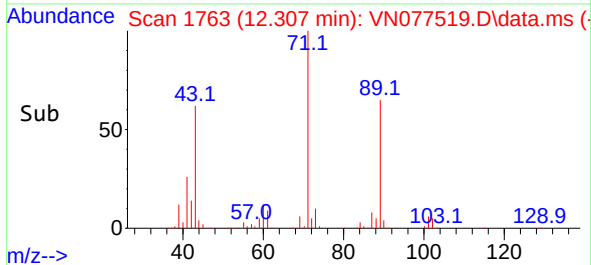
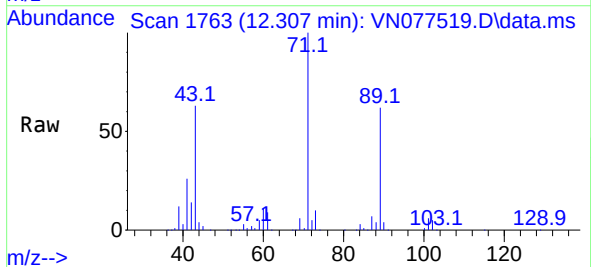


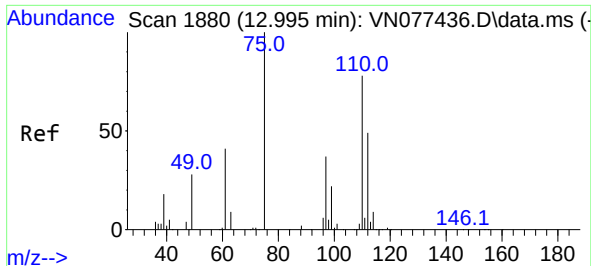
Tgt Ion:152 Resp: 377909
Ion Ratio Lower Upper
152 100
115 66.1 32.3 96.8
150 160.4 0.0 355.8



#74
N-ethyl acetate
Concen: 10.181 ug/l
RT: 12.307 min Scan# 1763
Delta R.T. -0.188 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

Tgt Ion: 43 Resp: 105698
Ion Ratio Lower Upper
43 100
70 2.3 43.4 65.2#
55 4.8 21.4 32.0#
61 13.5 22.8 34.2#

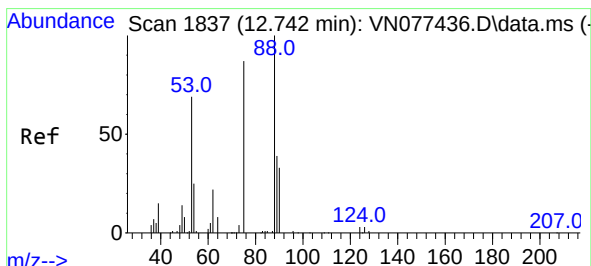
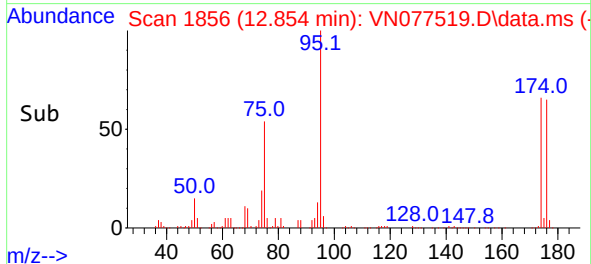
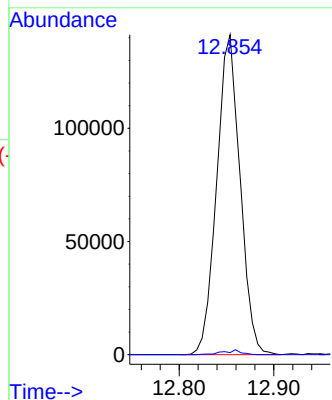
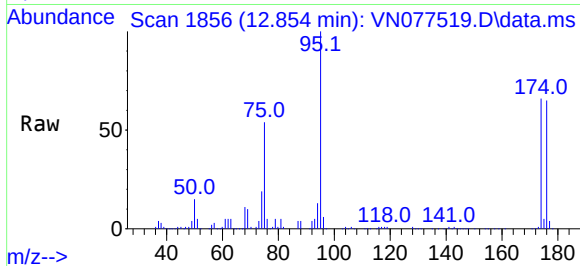




#76
1,2,3-Trichloropropane
Concen: 27.565 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

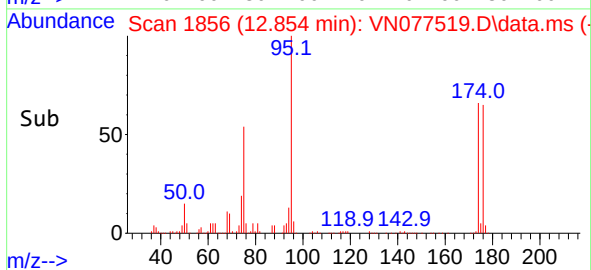
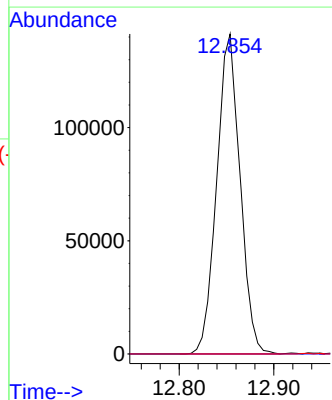
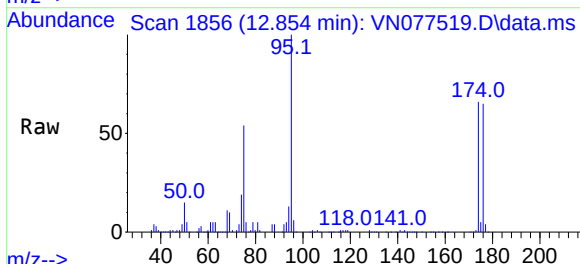
Instrument :
MSVOA_N
ClientSampleId :
PB152434ZHE#03

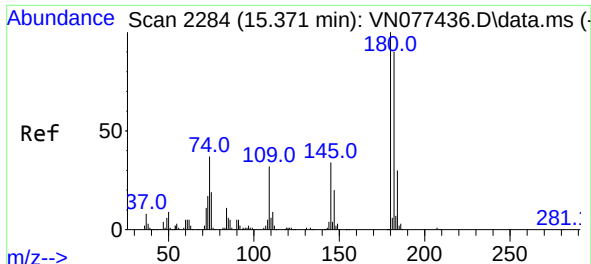
Tgt Ion: 75 Resp: 242241
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.877 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077519.D
Acq: 29 Apr 2023 15:15

Tgt Ion: 75 Resp: 242241
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.818 ug/l

RT: 15.401 min Scan# 21

Delta R.T. 0.030 min

Lab File: VN077519.D

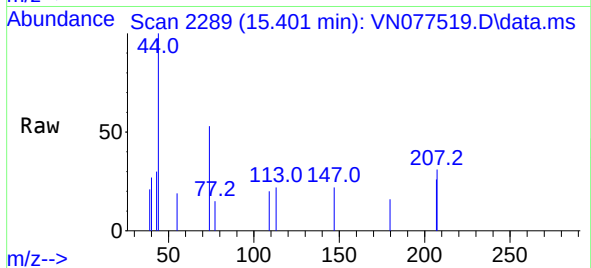
Acq: 29 Apr 2023 15:15

Instrument :

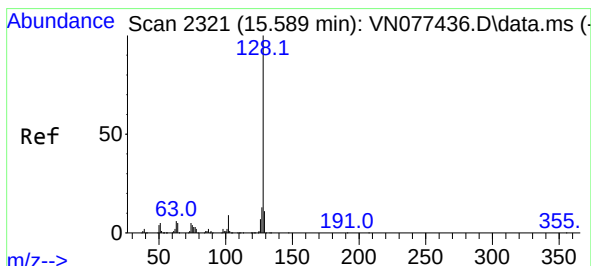
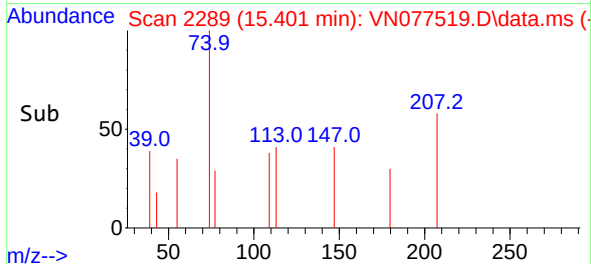
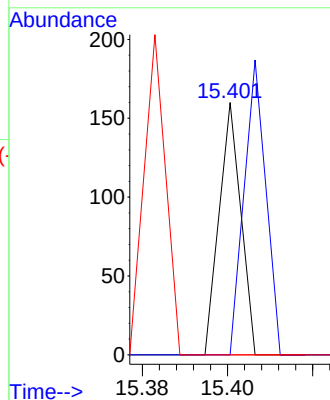
MSVOA_N

ClientSampleId :

PB152434ZHE#03



Tgt Ion:	180	Resp:	56
Ion	Ratio	Lower	Upper
180	100		
182	117.9	46.1	138.2
145	0.0	16.6	49.8#



#95

Naphthalene

Concen: 1.293 ug/l

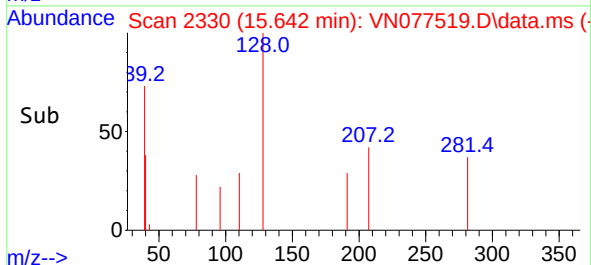
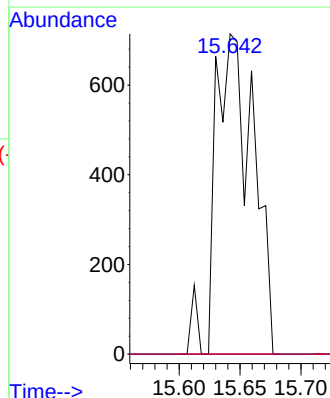
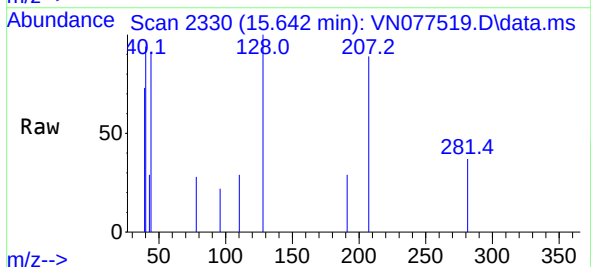
RT: 15.642 min Scan# 2330

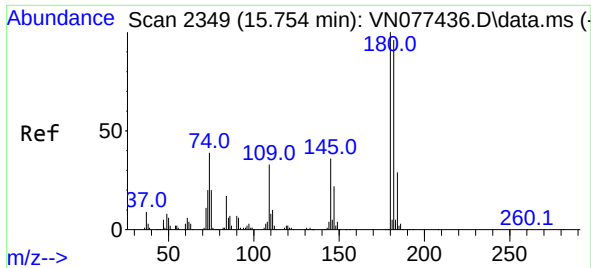
Delta R.T. 0.053 min

Lab File: VN077519.D

Acq: 29 Apr 2023 15:15

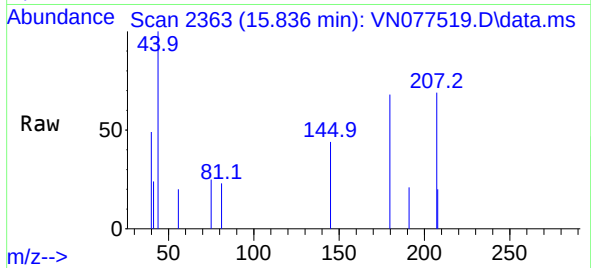
Tgt Ion:	128	Resp:	1540
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.766 ug/l
 RT: 15.836 min Scan# 21
 Delta R.T. 0.082 min
 Lab File: VN077519.D
 Acq: 29 Apr 2023 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152434ZHE#03



Tgt Ion:	180	Resp:	734
Ion	Ratio	Lower	Upper
180	100		
182	8.3	46.2	138.6#
145	30.8	17.5	52.6

