

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110922\
 Data File : VN075219.D
 Acq On : 09 Nov 2022 15:53
 Operator : JC\MD
 Sample : PB148908ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 02:43:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

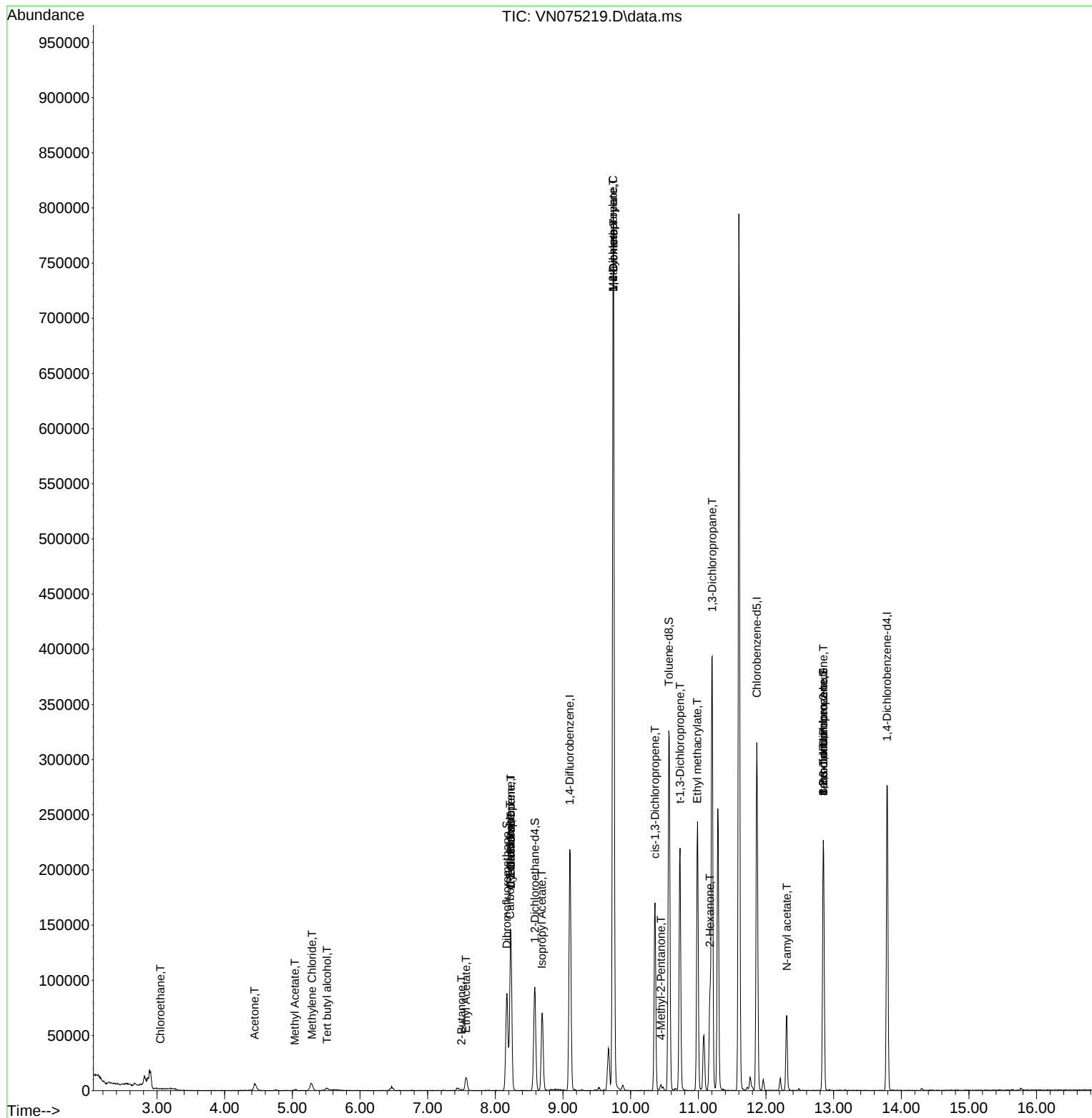
Internal Standards						
1) Pentafluorobenzene	8.224	168	102755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	198608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	185590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	75826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	76440	55.211	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.420%	
35) Dibromofluoromethane	8.171	113	63530	54.489	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.980%	
50) Toluene-d8	10.565	98	235056	51.963	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.920%	
62) 4-Bromofluorobenzene	12.847	95	81685	51.406	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.820%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.901	94	387	Below Cal	#	5
6) Chloroethane	3.048	64	335	0.231	ug/l #	45
11) Tert butyl alcohol	5.512	59	1740	5.389	ug/l #	72
16) Acetone	4.442	43	11232	19.160	ug/l #	86
18) Methyl Acetate	5.036	43	933	0.487	ug/l	91
20) Methylene Chloride	5.289	84	5405	4.135	ug/l	98
25) 2-Butanone	7.500	43	1313	1.424	ug/l	90
31) Cyclohexane	8.230	56	2430	1.180	ug/l #	37
36) 1,1-Dichloropropene	8.230	75	8935	4.950	ug/l #	49
37) Ethyl Acetate	7.565	43	17116	8.646	ug/l	100
38) Carbon Tetrachloride	8.218	117	11667	5.876	ug/l #	12
43) Isopropyl Acetate	8.688	43	77733	25.315	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	976	0.742	ug/l #	42
48) Methyl methacrylate	9.741	41	72543	51.503	ug/l #	33
49) 1,4-Dioxane	9.747	88	75	2.033	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	3509	1.771	ug/l	91
53) t-1,3-Dichloropropene	10.729	75	511	0.244	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	33307	14.993	ug/l #	67
56) Ethyl methacrylate	10.982	69	780	0.349	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4543	1.862	ug/l #	42
59) 2-Hexanone	11.171	43	68482	45.537	ug/l #	21
71) Bromoform	12.847	173	682	0.620	ug/l #	1
74) N-amyl acetate	12.306	43	20119	8.936	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	42803	26.586	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	42803	68.246	ug/l #	10

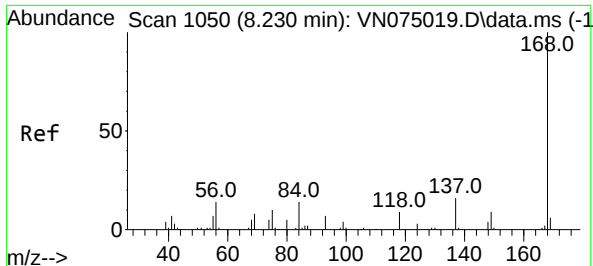
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Nov 10 02:43:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
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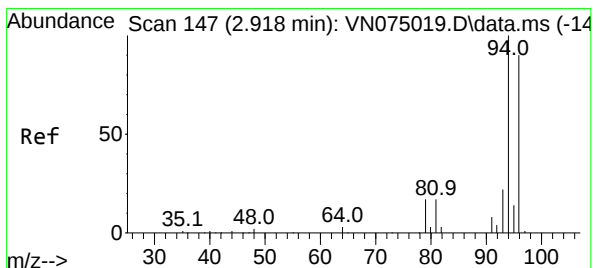
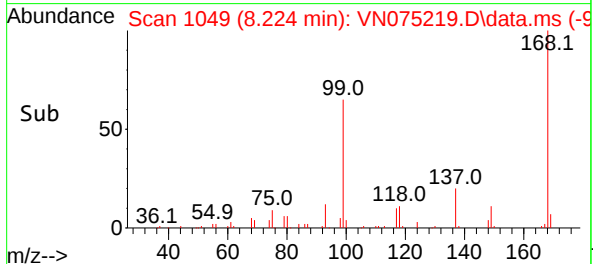
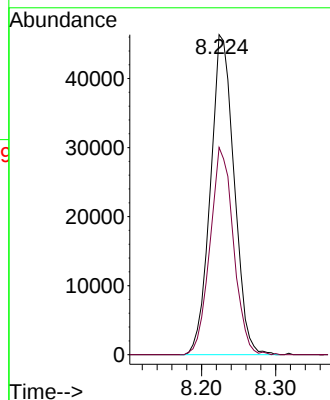
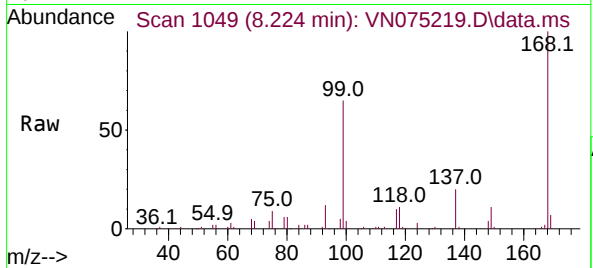




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

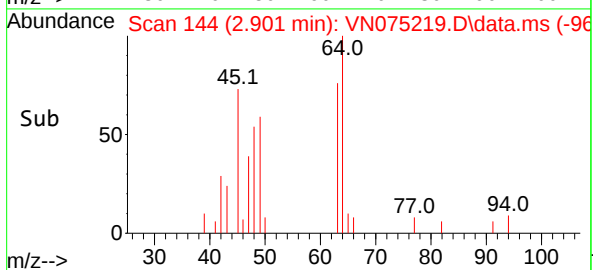
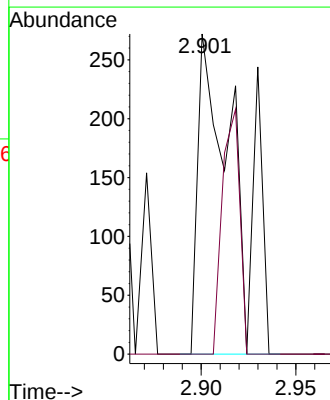
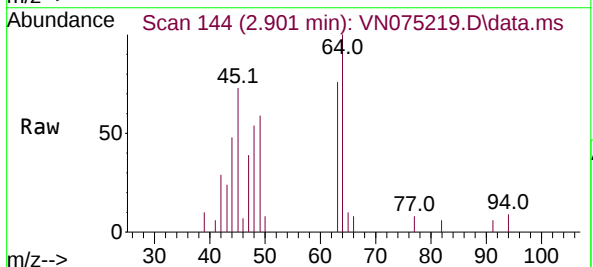
Instrument :
MSVOA_N
ClientSampleId :

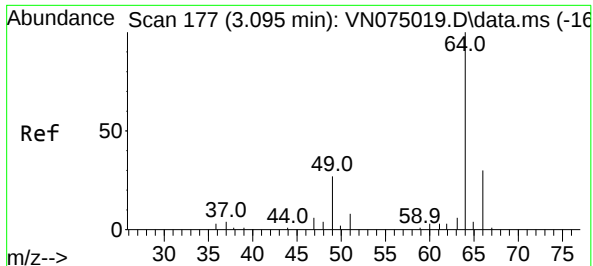
Tgt Ion:168 Resp: 102755
Ion Ratio Lower Upper
168 100
99 64.8 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.901 min Scan# 144
Delta R.T. -0.017 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

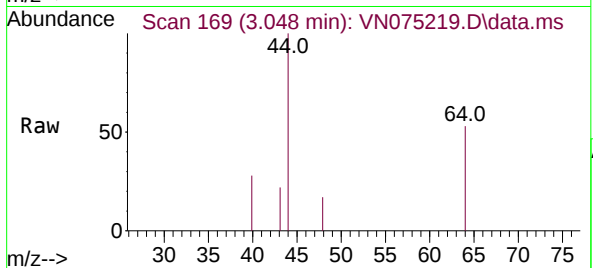
Tgt Ion: 94 Resp: 387
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#



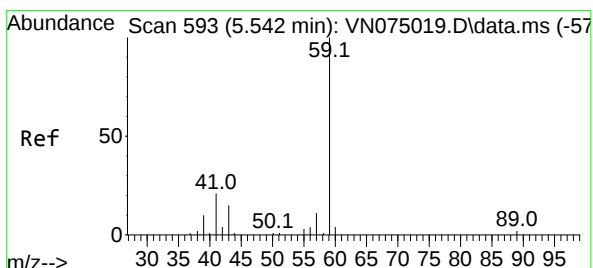
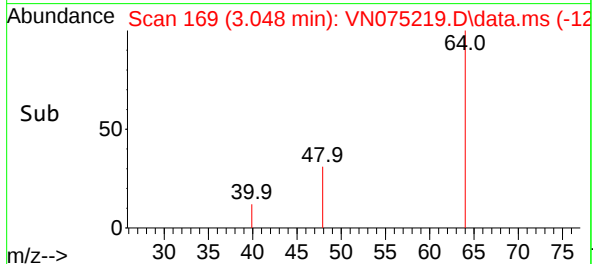
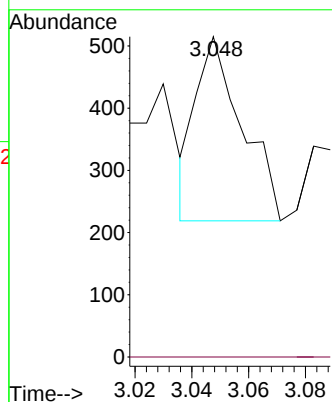


#6
Chloroethane
Concen: 0.231 ug/l
RT: 3.048 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

Instrument :
MSVOA_N
ClientSampleId :

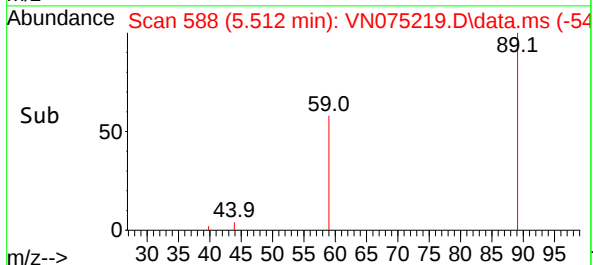
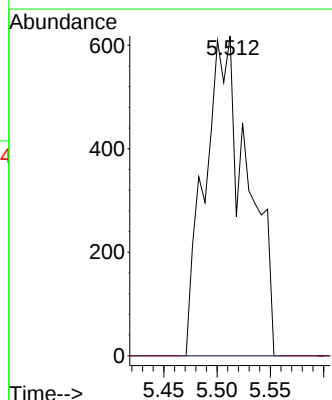
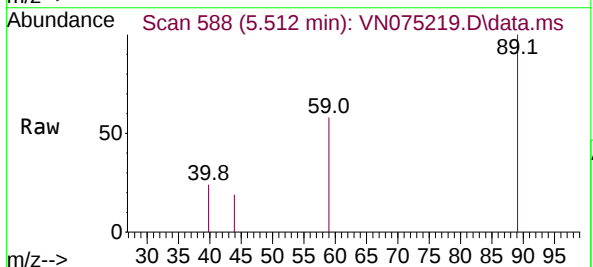


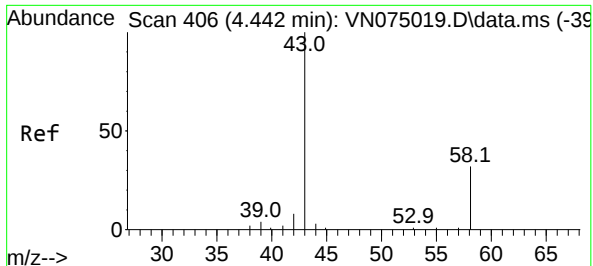
Tgt Ion: 64 Resp: 335
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 5.389 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

Tgt Ion: 59 Resp: 1740
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

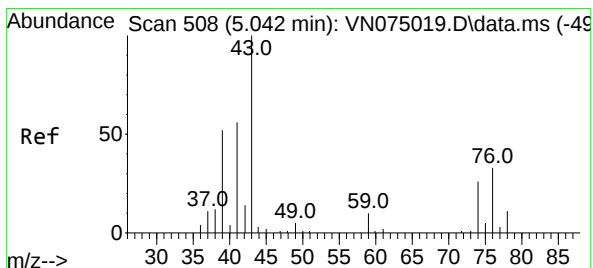
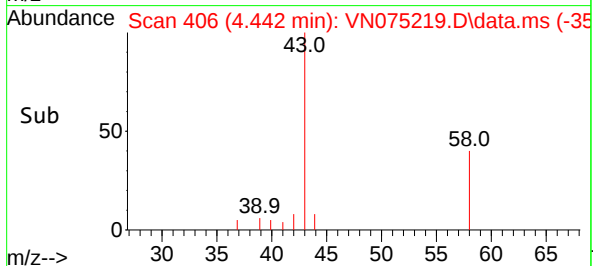
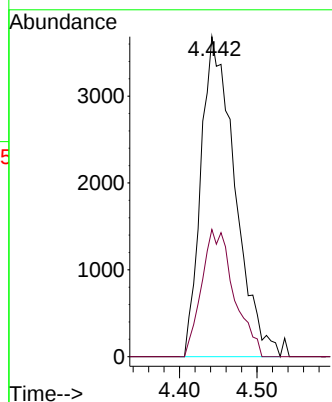
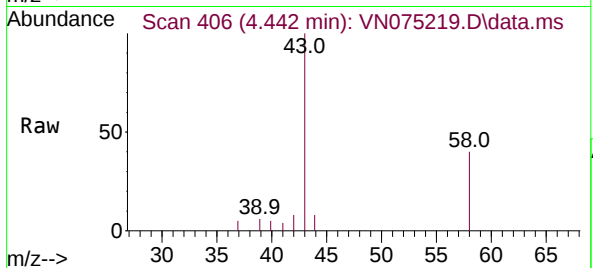




#16
Acetone
Concen: 19.160 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

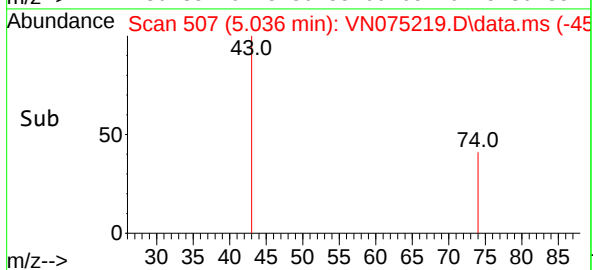
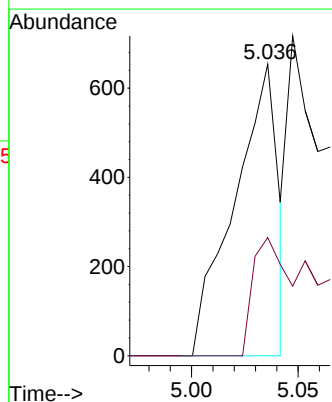
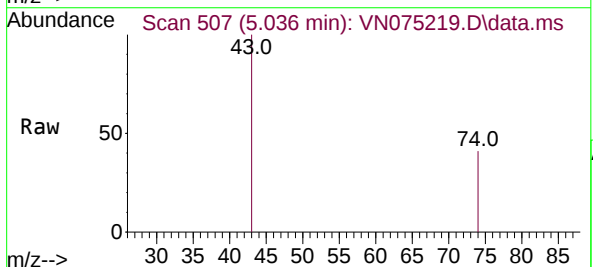
Instrument :
MSVOA_N
ClientSampleId :

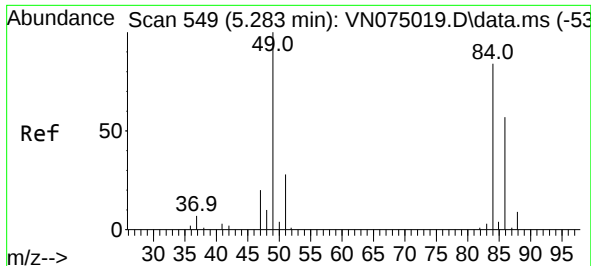
Tgt Ion: 43 Resp: 11232
Ion Ratio Lower Upper
43 100
58 39.7 25.5 38.3#



#18
Methyl Acetate
Concen: 0.487 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.006 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

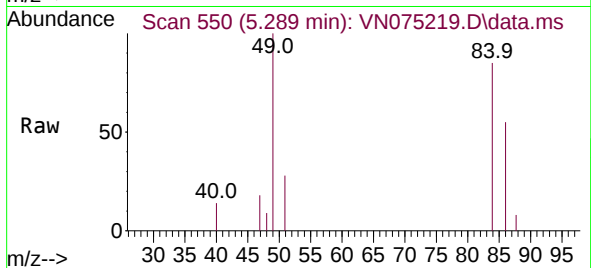
Tgt Ion: 43 Resp: 933
Ion Ratio Lower Upper
43 100
74 32.2 22.0 33.0



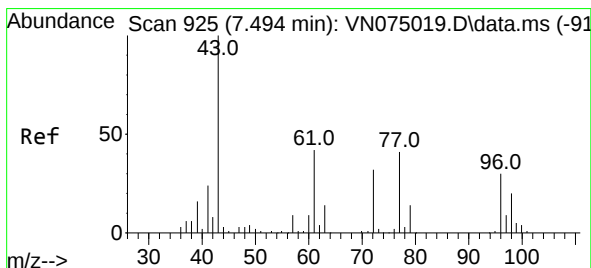
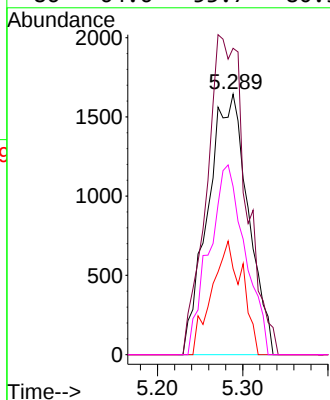
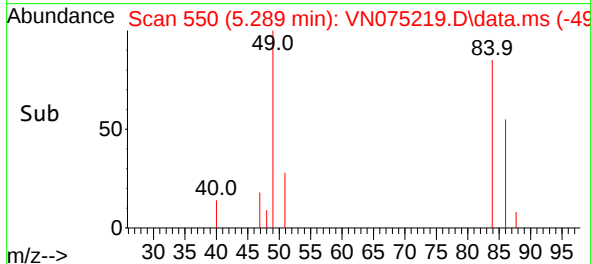


#20
Methylene Chloride
Concen: 4.135 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

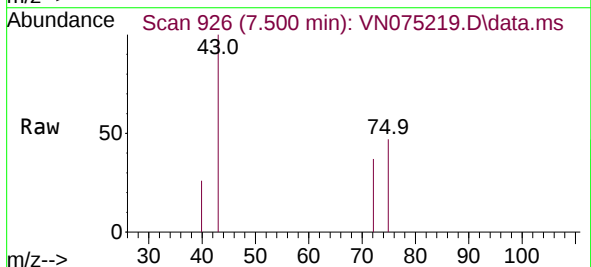
Instrument :
MSVOA_N
ClientSampleId :



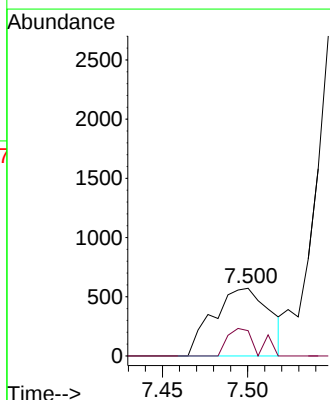
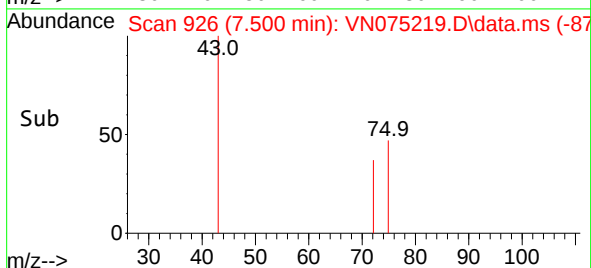
Tgt Ion: 84	Resp: 5405
Ion Ratio	Lower Upper
84 100	
49 117.7	94.9 142.3
51 33.0	26.8 40.2
86 64.6	53.7 80.5

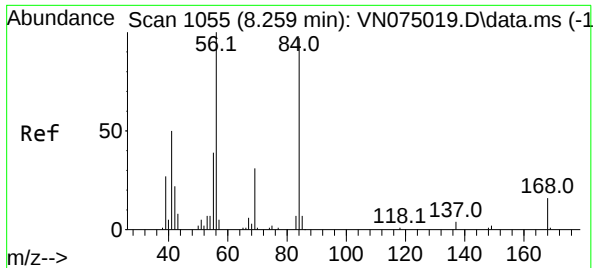


#25
2-Butanone
Concen: 1.424 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53



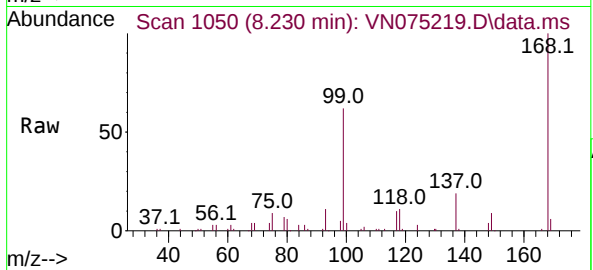
Tgt Ion: 43	Resp: 1313
Ion Ratio	Lower Upper
43 100	
72 37.3	25.5 38.3



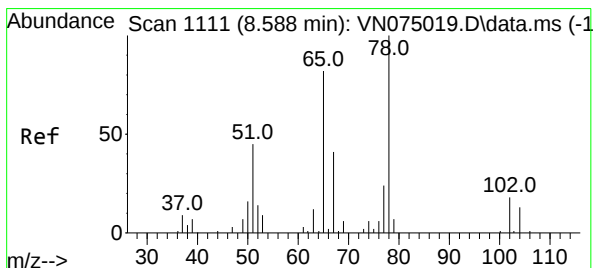
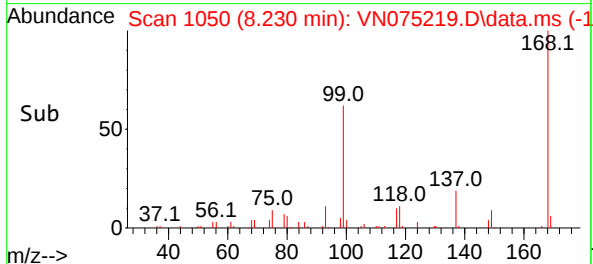
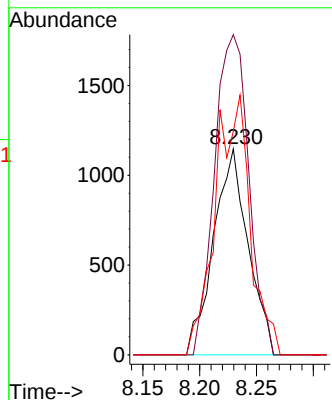


#31
Cyclohexane
Concen: 1.180 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.029 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

Instrument :
MSVOA_N
ClientSampleId :

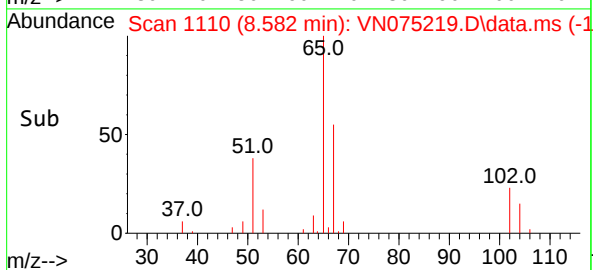
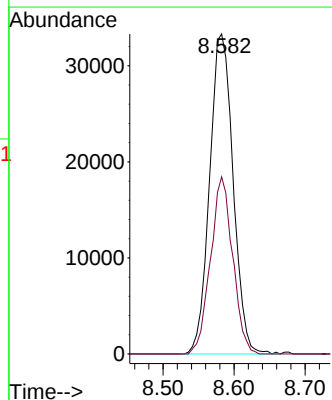
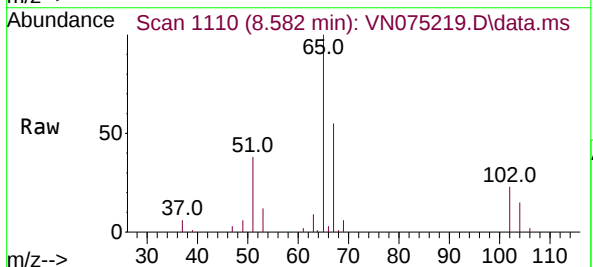


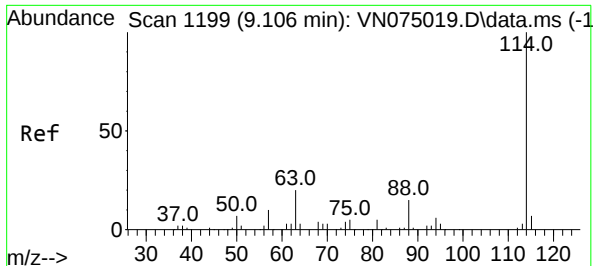
Tgt Ion: 56 Resp: 2430
Ion Ratio Lower Upper
56 100
69 155.4 25.2 37.8#
84 108.5 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 55.211 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

Tgt Ion: 65 Resp: 76440
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1199

Delta R.T. -0.006 min

Lab File: VN075219.D

Acq: 09 Nov 2022 15:53

Instrument :

MSVOA_N

ClientSampleId :

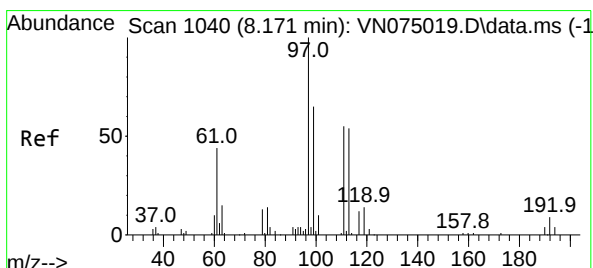
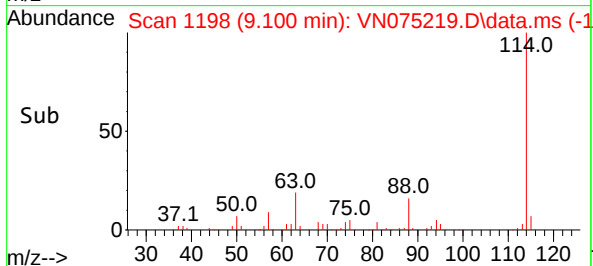
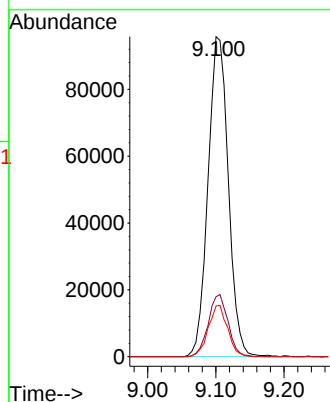
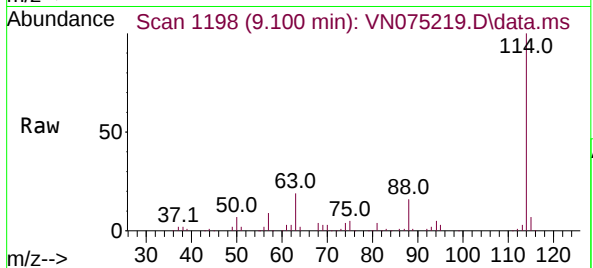
Tgt Ion:114 Resp: 198608

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 54.489 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075219.D

Acq: 09 Nov 2022 15:53

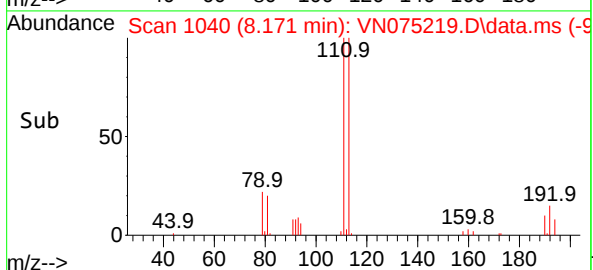
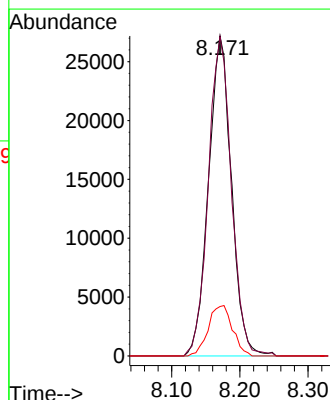
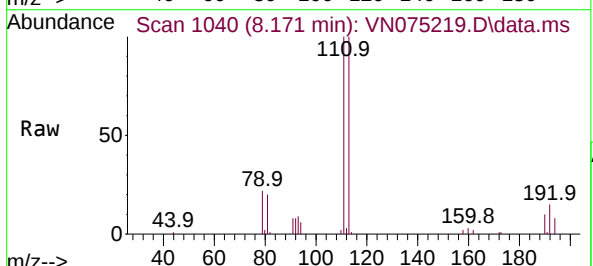
Tgt Ion:113 Resp: 63530

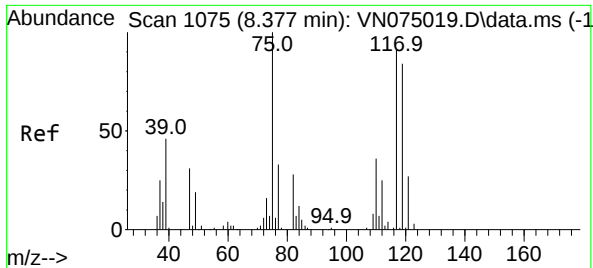
Ion Ratio Lower Upper

113 100

111 100.5 80.5 120.7

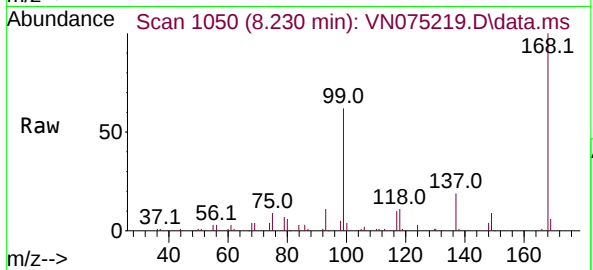
192 16.6 13.2 19.8



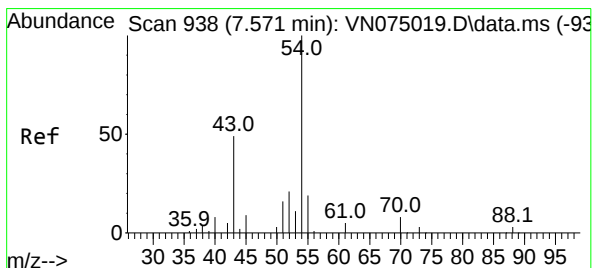
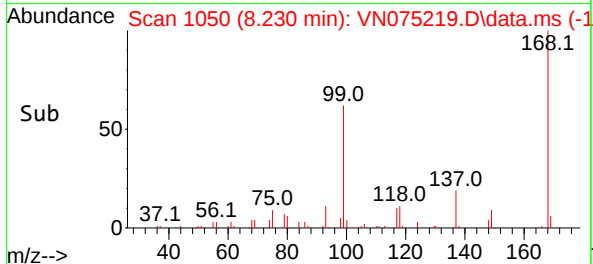
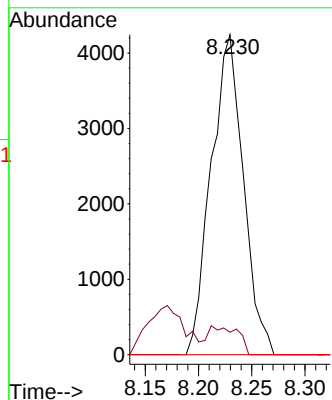


#36
1,1-Dichloropropene
Concen: 4.950 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

Instrument :
MSVOA_N
ClientSampleId :

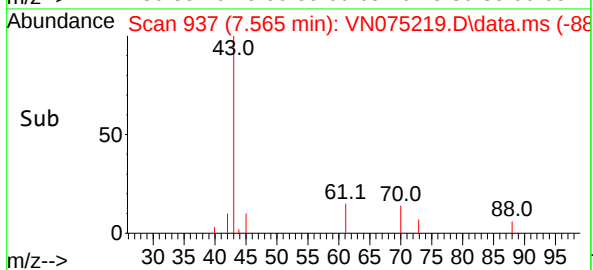
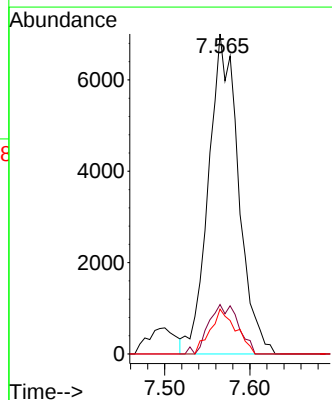
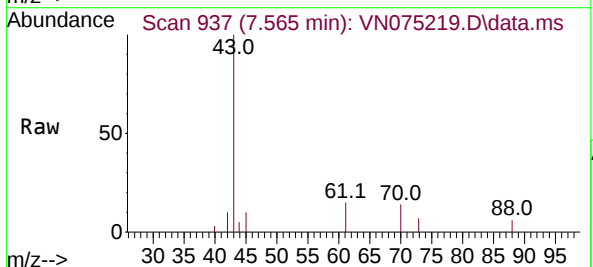


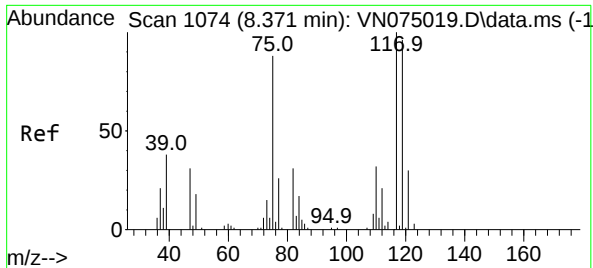
Tgt Ion: 75 Resp: 8935
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 8.646 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

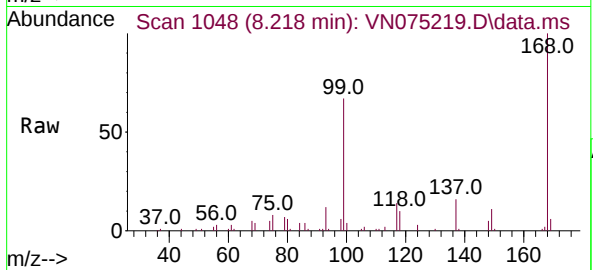
Tgt Ion: 43 Resp: 17116
Ion Ratio Lower Upper
43 100
61 15.4 12.2 18.4
70 12.0 9.4 14.2



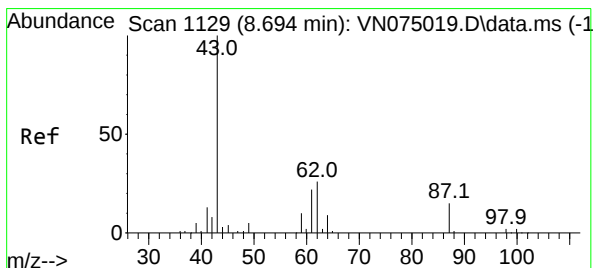
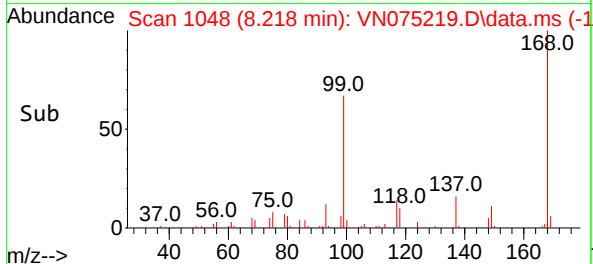
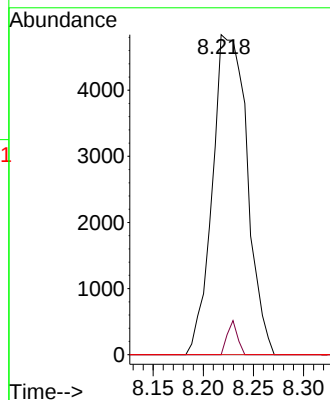


#38
Carbon Tetrachloride
Concen: 5.876 ug/l
RT: 8.218 min Scan# 11667
Delta R.T. -0.153 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

Instrument :
MSVOA_N
ClientSampleId :

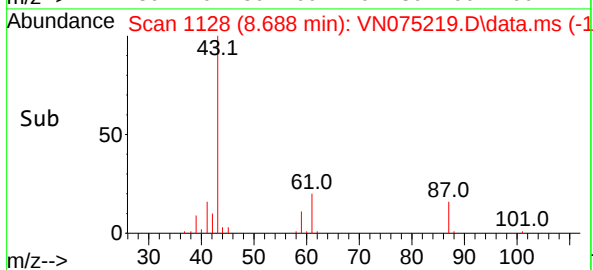
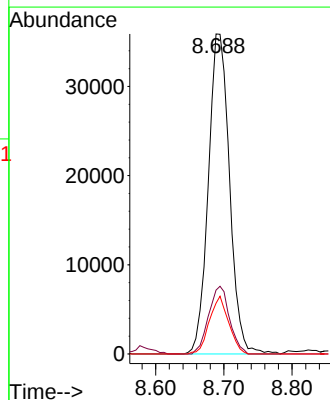
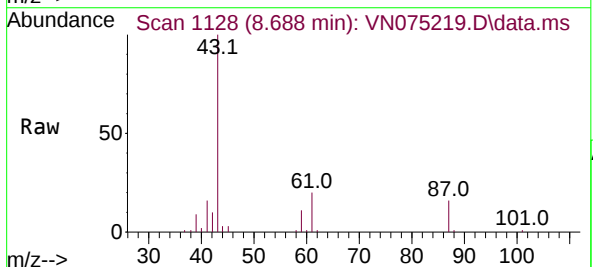


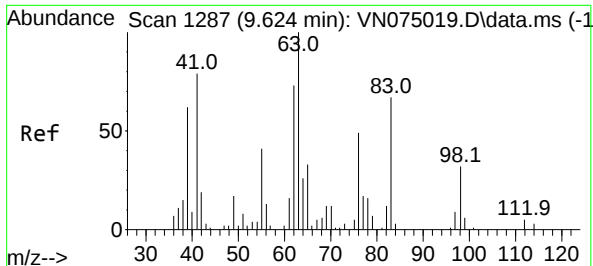
Tgt Ion:117 Resp: 11667
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 25.315 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

Tgt Ion: 43 Resp: 77733
Ion Ratio Lower Upper
43 100
61 20.8 22.4 33.6#
87 16.4 12.5 18.7





#45

1,2-Dichloropropane

Concen: 0.742 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.117 min

Lab File: VN075219.D

Acq: 09 Nov 2022 15:53

Instrument :

MSVOA_N

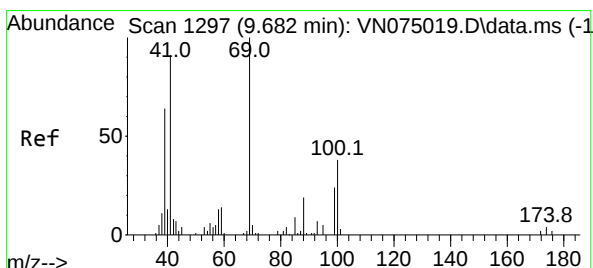
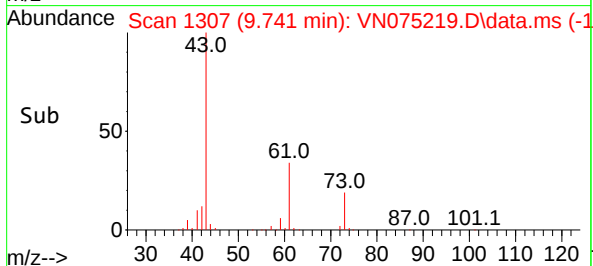
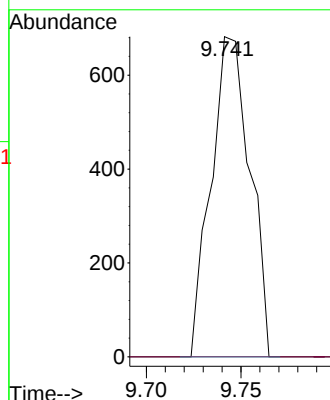
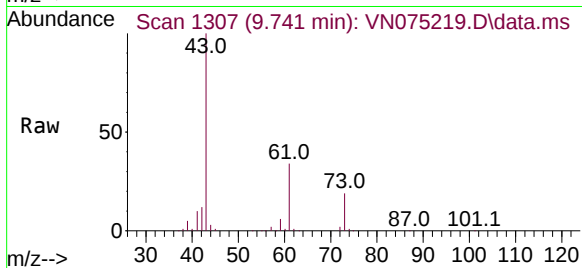
ClientSampleId :

Tgt Ion: 63 Resp: 976

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 51.503 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.059 min

Lab File: VN075219.D

Acq: 09 Nov 2022 15:53

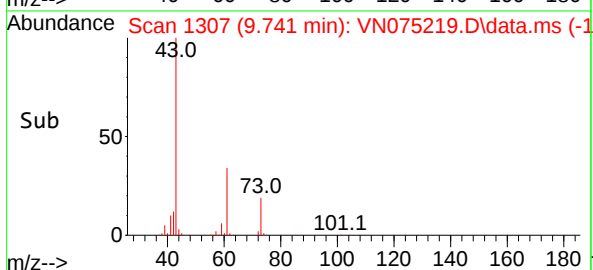
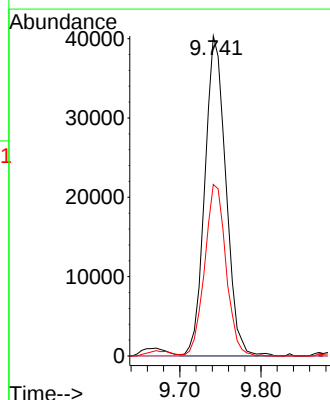
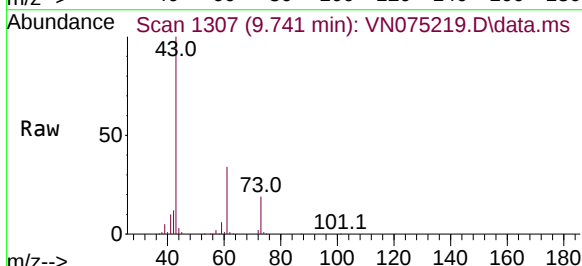
Tgt Ion: 41 Resp: 72543

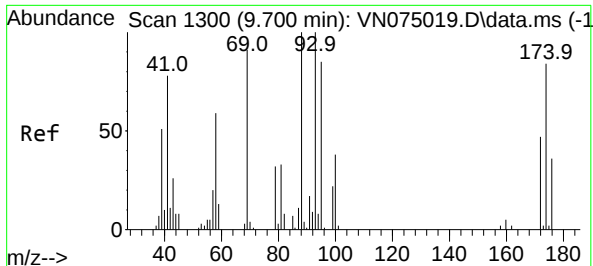
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 54.3 56.2 84.2#





#49

1,4-Dioxane

Concen: 2.033 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.047 min

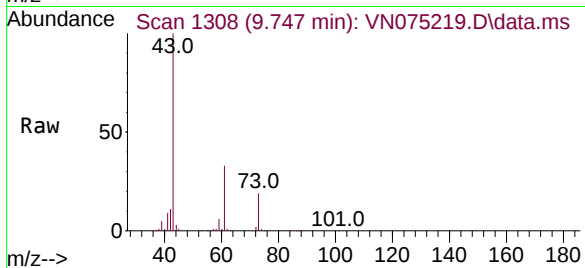
Lab File: VN075219.D

Acq: 09 Nov 2022 15:53

Instrument :

MSVOA_N

ClientSampleId :



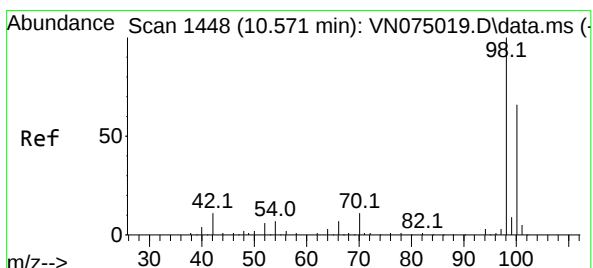
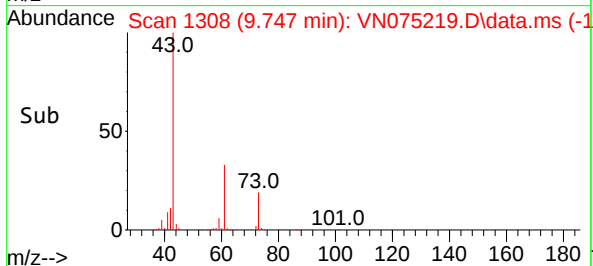
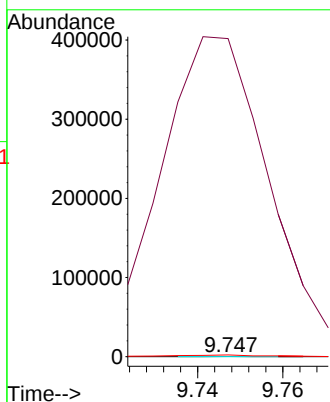
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 986693.3 17.5 26.3#

58 4514.7 49.8 74.8#



#50

Toluene-d8

Concen: 51.963 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075219.D

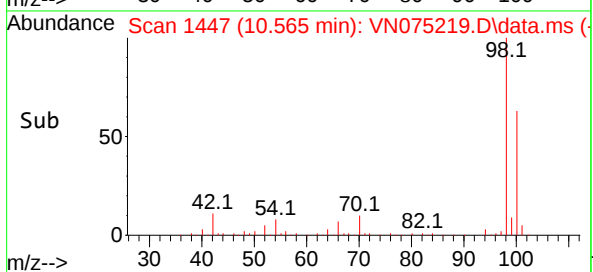
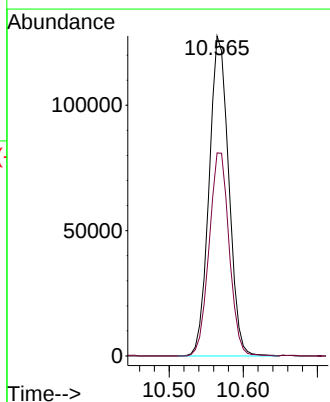
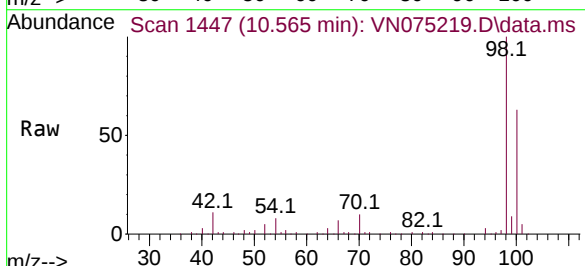
Acq: 09 Nov 2022 15:53

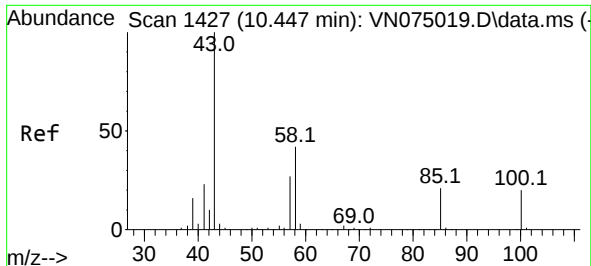
Tgt Ion: 98 Resp: 235056

Ion Ratio Lower Upper

98 100

100 64.8 53.0 79.6

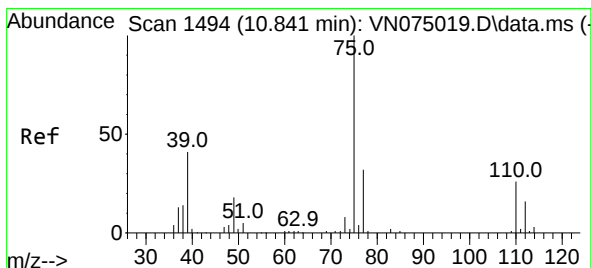
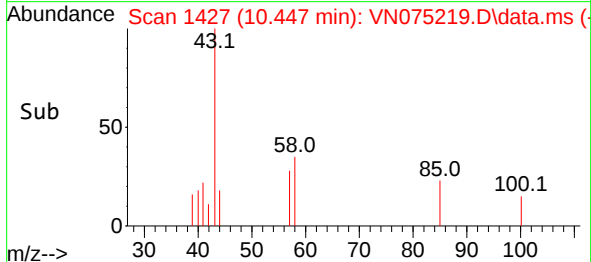
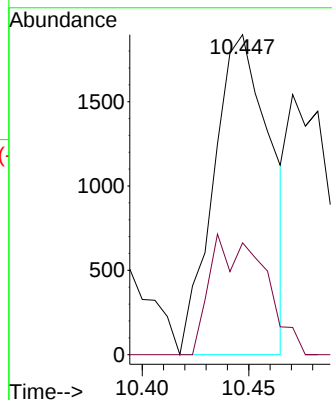
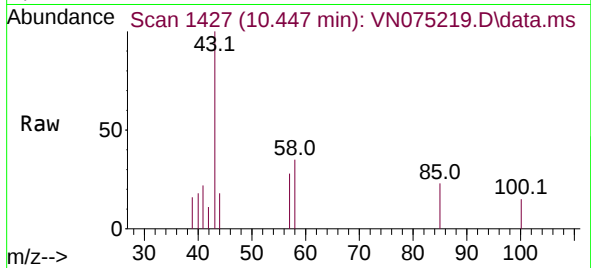




#51
4-Methyl-2-Pentanone
Concen: 1.771 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

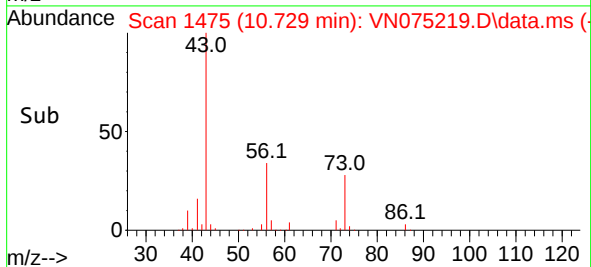
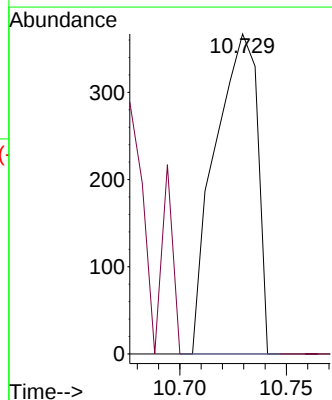
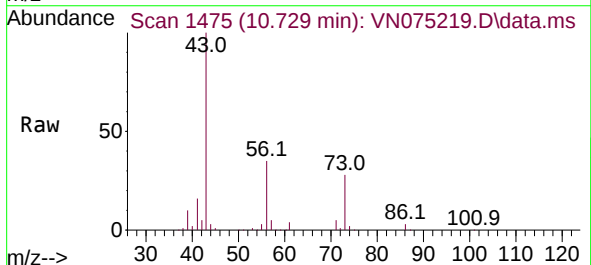
Instrument :
MSVOA_N
ClientSampleId :

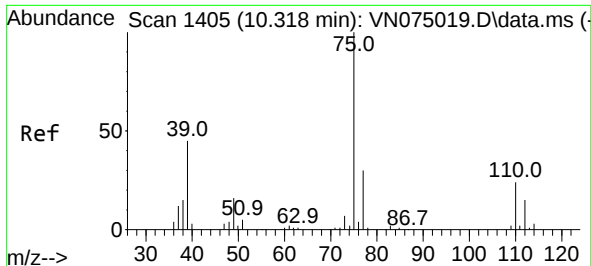
Tgt Ion: 43 Resp: 3509
Ion Ratio Lower Upper
43 100
58 36.1 33.6 50.4



#53
t-1,3-Dichloropropene
Concen: 0.244 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.112 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

Tgt Ion: 75 Resp: 511
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

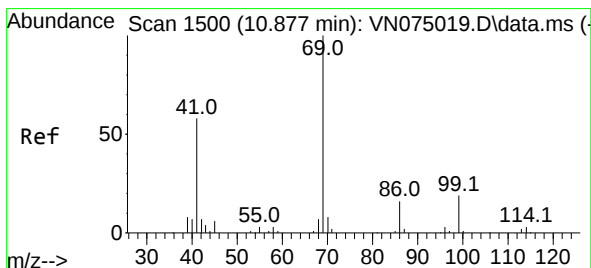
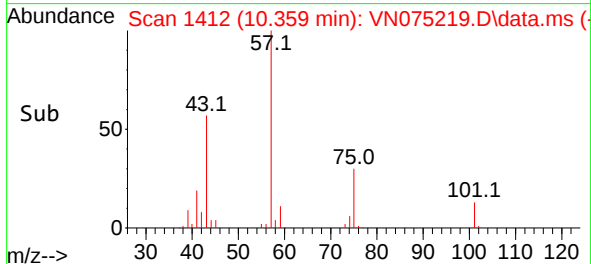
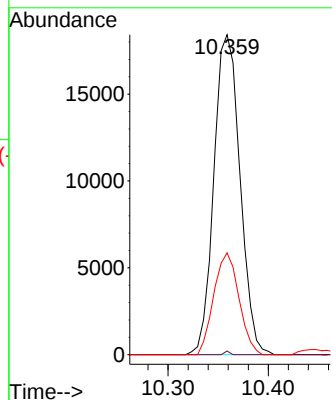
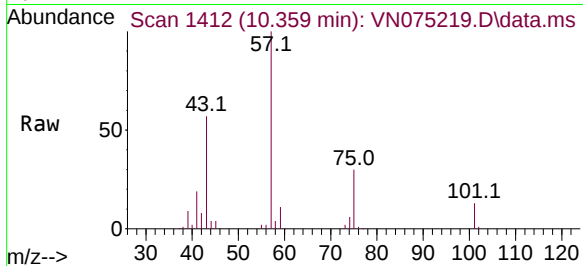




#54
 cis-1,3-Dichloropropene
 Concen: 14.993 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.041 min
 Lab File: VN075219.D
 Acq: 09 Nov 2022 15:53

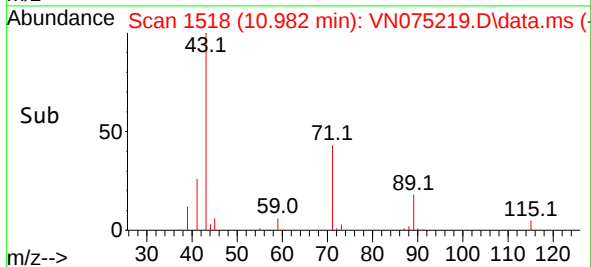
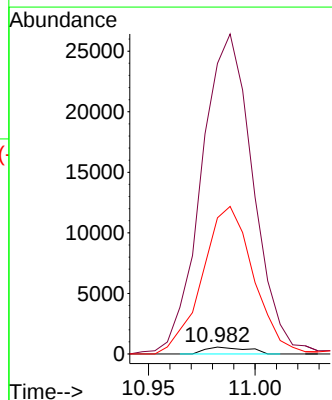
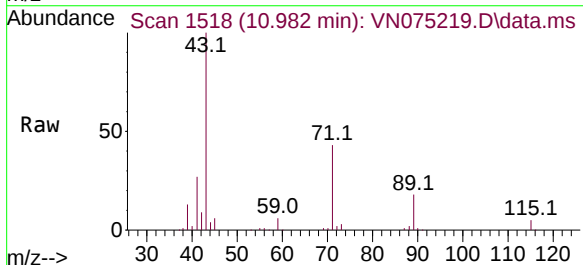
Instrument :
 MSVOA_N
 ClientSampleId :

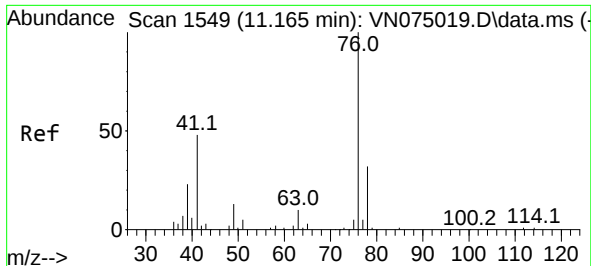
Tgt Ion: 75 Resp: 33307
 Ion Ratio Lower Upper
 75 100
 77 1.2 23.7 35.5#
 39 31.8 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.349 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.105 min
 Lab File: VN075219.D
 Acq: 09 Nov 2022 15:53

Tgt Ion: 69 Resp: 780
 Ion Ratio Lower Upper
 69 100
 41 5763.6 45.6 68.4#
 39 2620.5 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.862 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075219.D

Acq: 09 Nov 2022 15:53

Instrument :

MSVOA_N

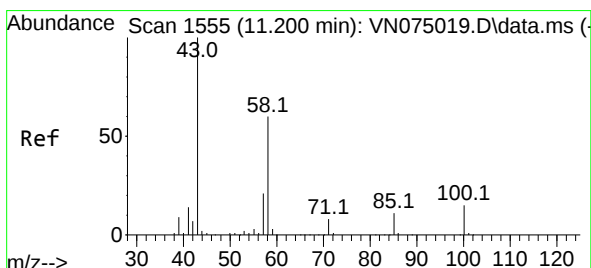
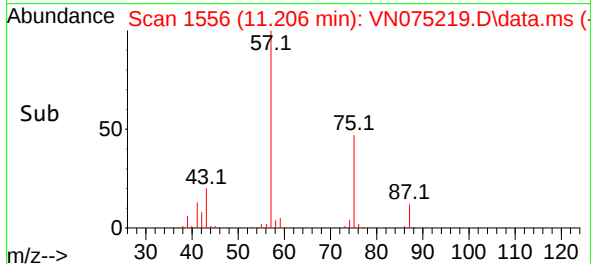
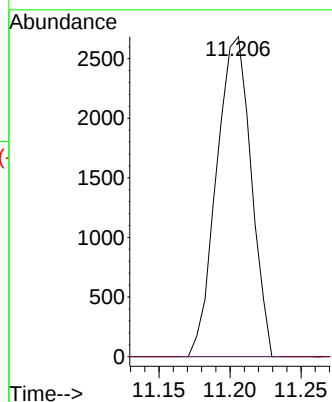
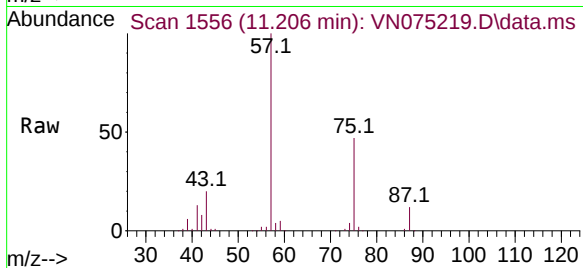
ClientSampleId :

Tgt Ion: 76 Resp: 4543

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 45.537 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075219.D

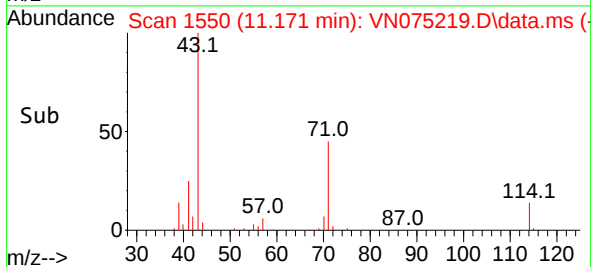
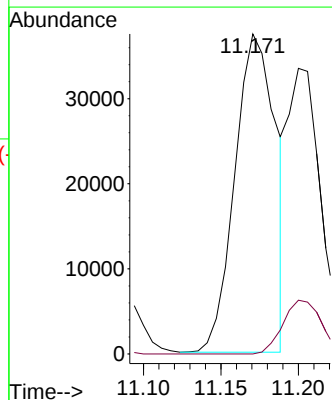
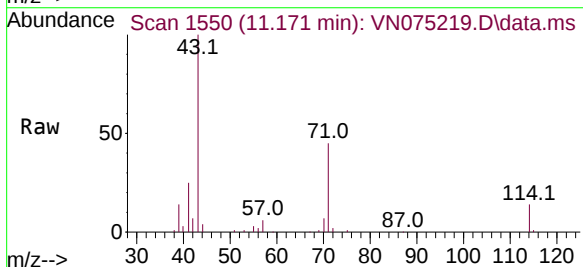
Acq: 09 Nov 2022 15:53

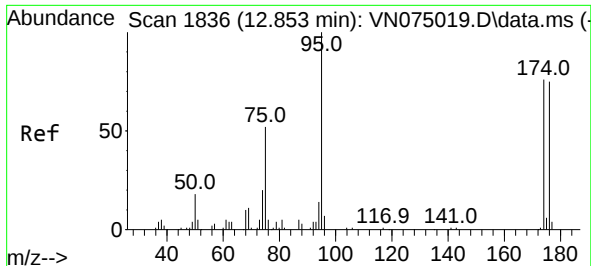
Tgt Ion: 43 Resp: 68482

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

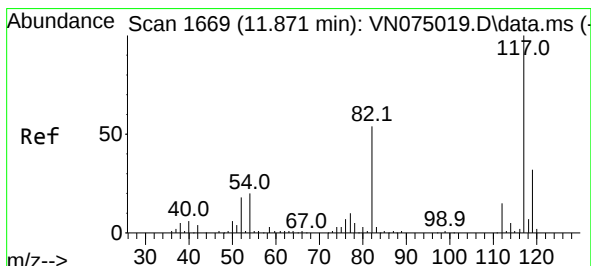
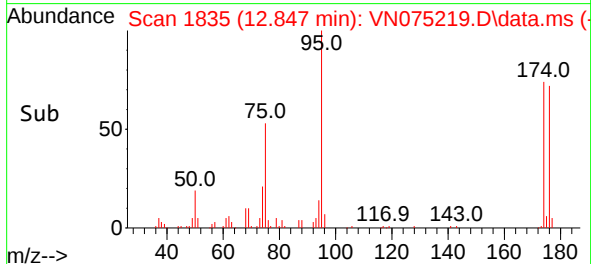
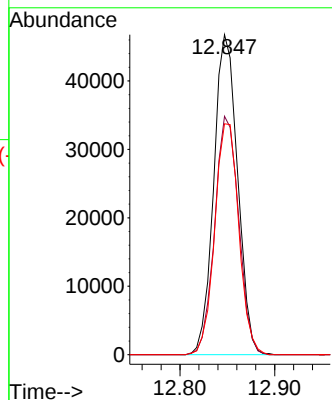
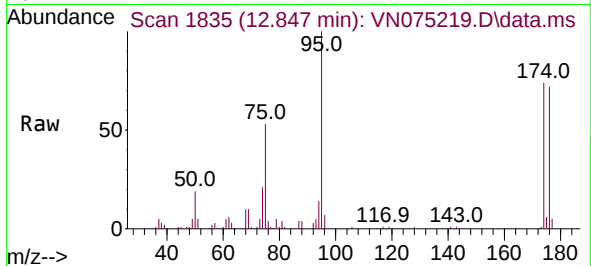




#62
4-Bromofluorobenzene
Concen: 51.406 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

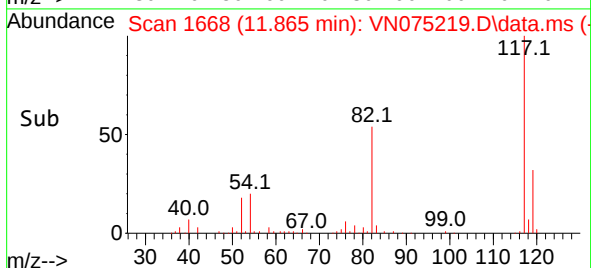
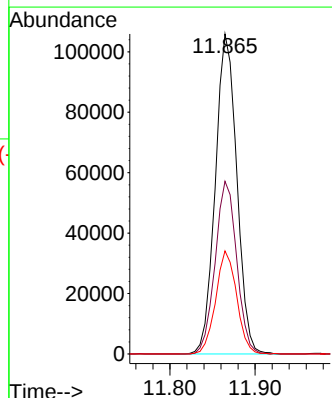
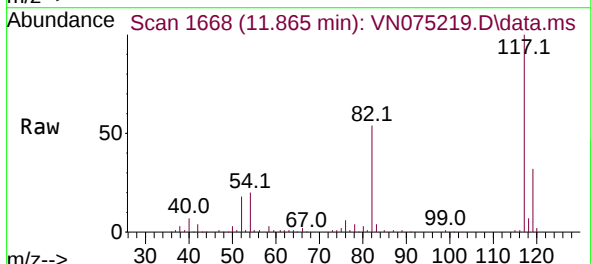
Instrument :
MSVOA_N
ClientSampleId :

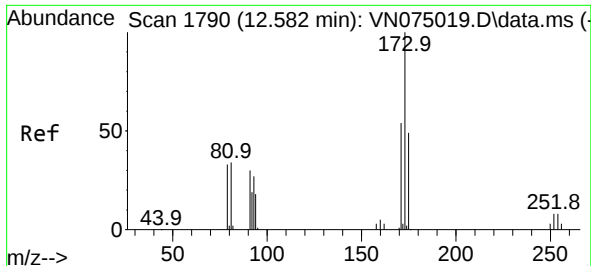
Tgt Ion: 95 Resp: 81685
Ion Ratio Lower Upper
95 100
174 75.1 0.0 147.4
176 73.1 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

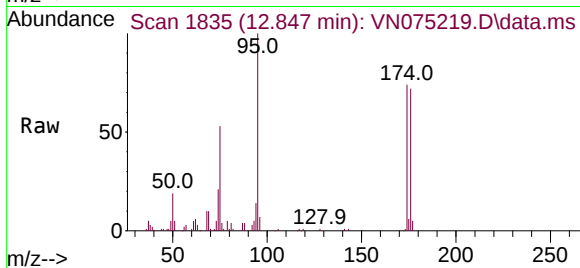
Tgt Ion: 117 Resp: 185590
Ion Ratio Lower Upper
117 100
82 54.0 43.1 64.7
119 32.2 25.5 38.3



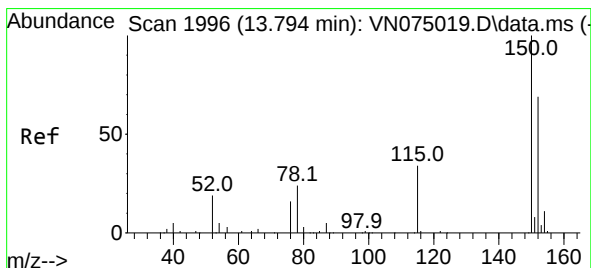
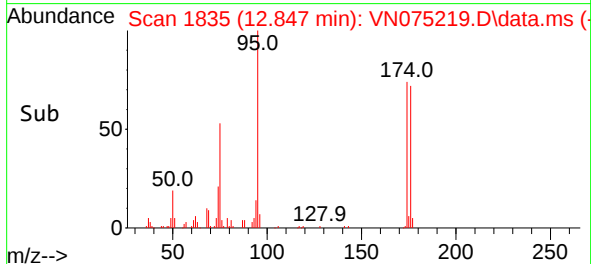
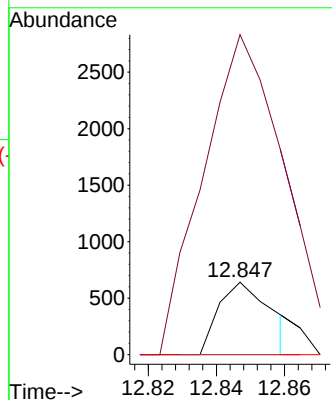


#71
Bromoform
Concen: 0.620 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

Instrument :
MSVOA_N
ClientSampleId :

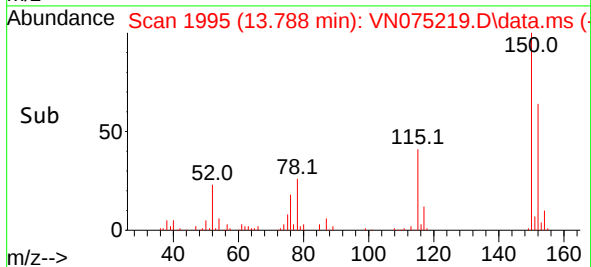
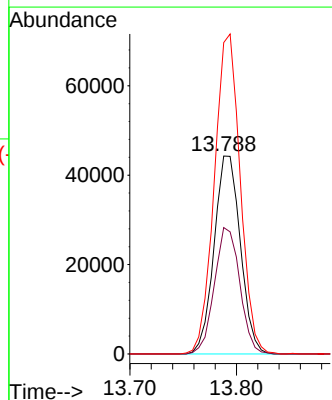
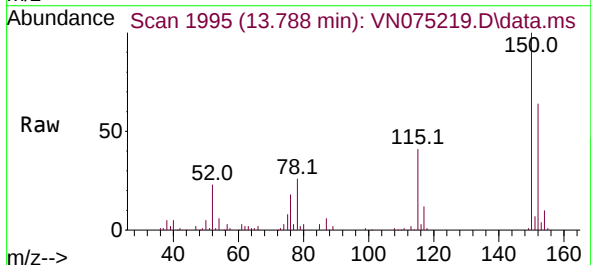


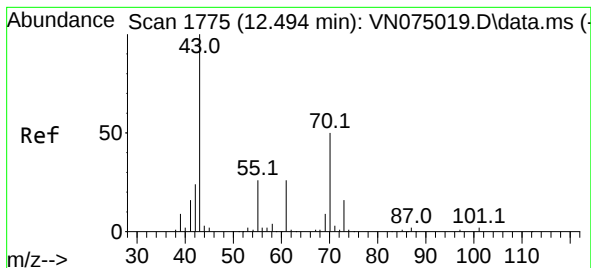
Tgt Ion:173 Resp: 682
Ion Ratio Lower Upper
173 100
175 604.7 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VN075219.D
Acq: 09 Nov 2022 15:53

Tgt Ion:152 Resp: 75826
Ion Ratio Lower Upper
152 100
115 61.6 30.2 90.6
150 159.0 0.0 348.4





#74

N-amy1 acetate

Concen: 8.936 ug/l

RT: 12.306 min Scan# 1

Delta R.T. -0.188 min

Lab File: VN075219.D

Acq: 09 Nov 2022 15:53

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 20119

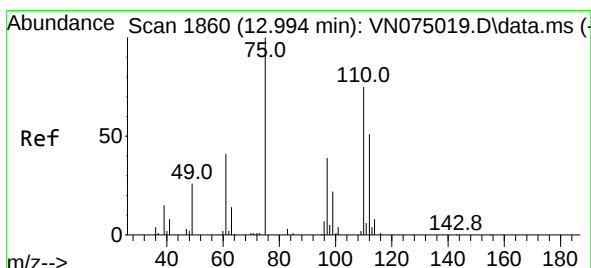
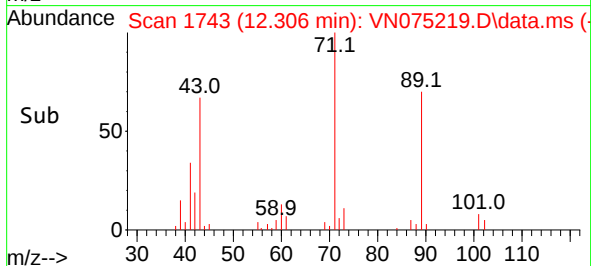
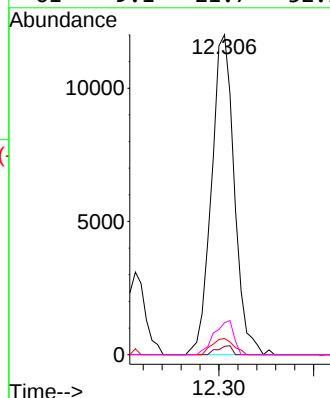
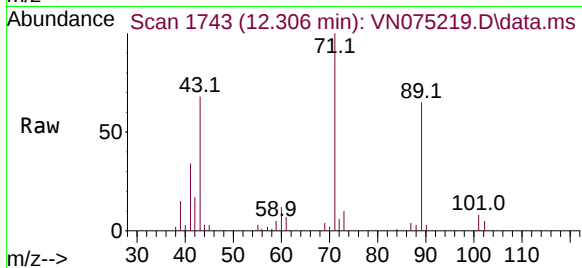
Ion Ratio Lower Upper

43 100

70 1.8 39.8 59.8#

55 4.8 19.9 29.9#

61 9.1 21.7 32.5#



#76

1,2,3-Trichloropropane

Concen: 26.586 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN075219.D

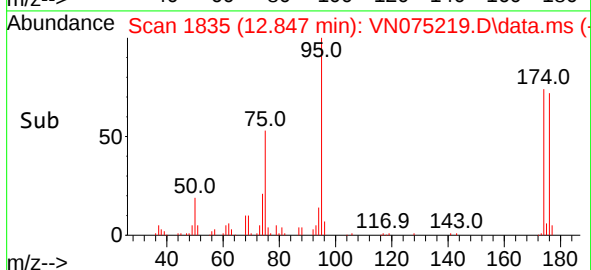
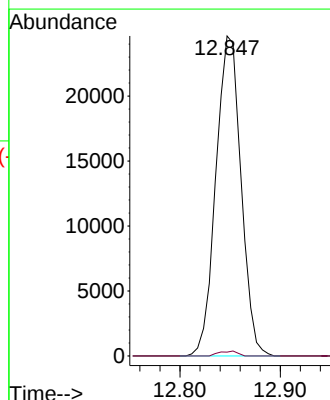
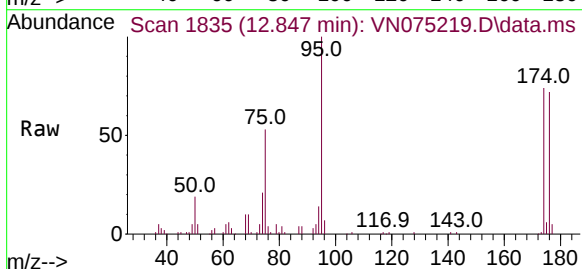
Acq: 09 Nov 2022 15:53

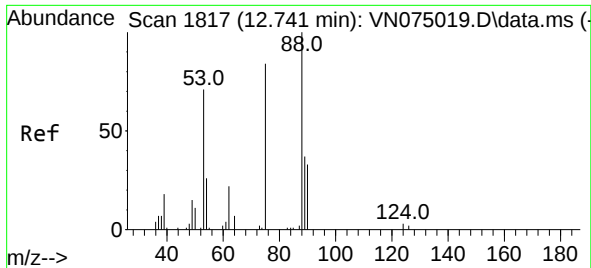
Tgt Ion: 75 Resp: 42803

Ion Ratio Lower Upper

75 100

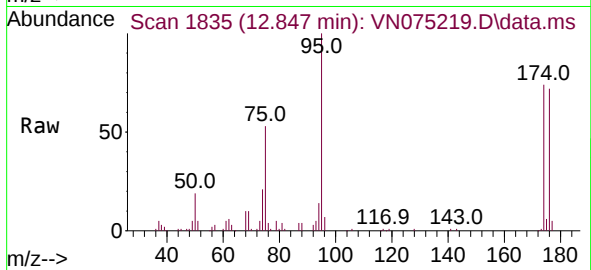
77 1.1 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.246 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN075219.D
 Acq: 09 Nov 2022 15:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 42803
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

