

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110922\
 Data File : VN075223.D
 Acq On : 09 Nov 2022 17:29
 Operator : JC\MD
 Sample : PB148908ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#09

Quant Time: Nov 10 02:45:11 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)

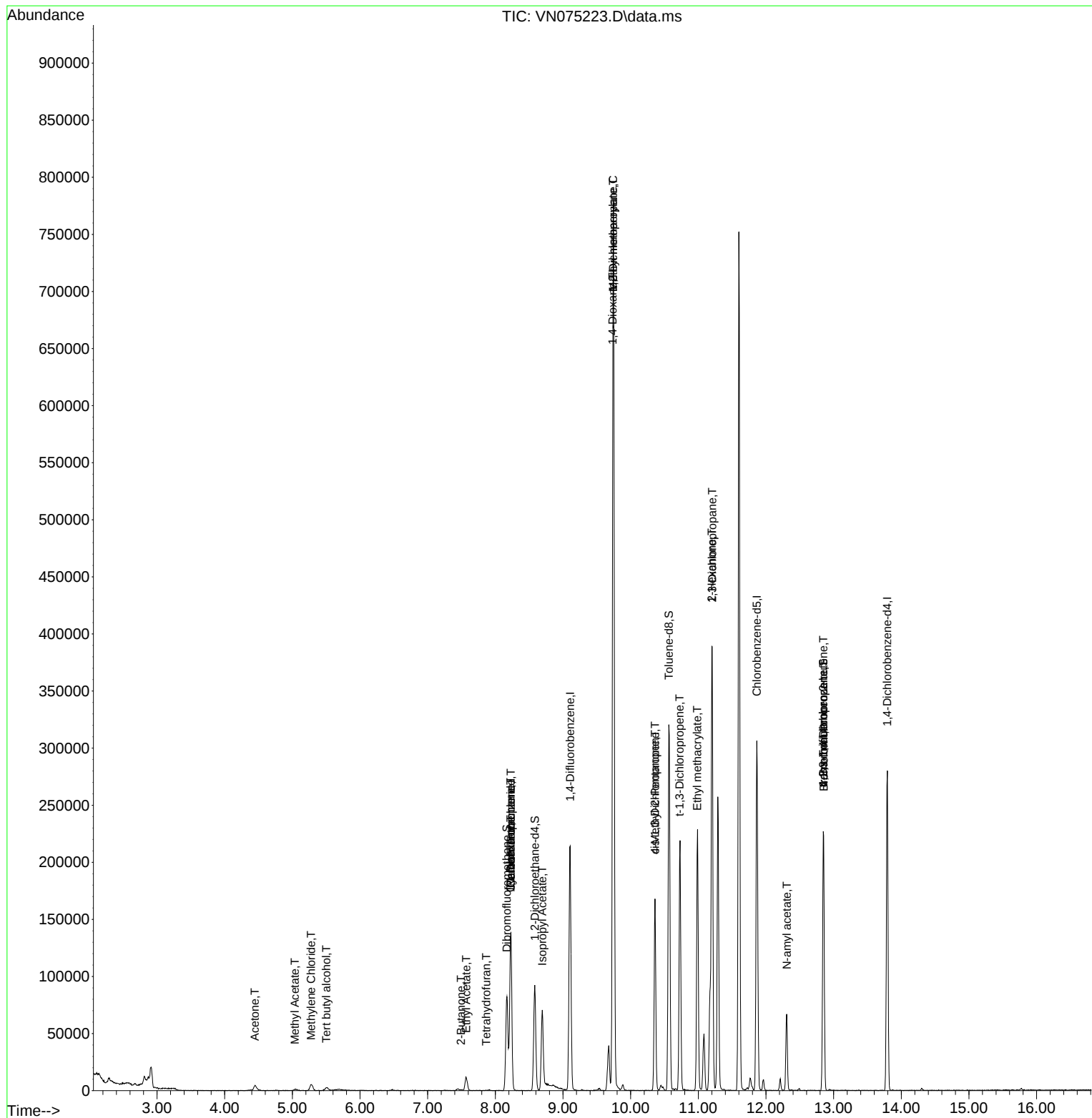
Internal Standards						
1) Pentafluorobenzene	8.229	168	98837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	191694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	181027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	75833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	74914	56.254	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.500%			
35) Dibromofluoromethane	8.171	113	60611	53.860	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.720%			
50) Toluene-d8	10.565	98	228457	52.326	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.660%			
62) 4-Bromofluorobenzene	12.847	95	79609	51.907	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.820%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.930	94	379	Below Cal	#	5
11) Tert butyl alcohol	5.500	59	2507	8.073	ug/l #	72
16) Acetone	4.447	43	8468	15.017	ug/l	98
18) Methyl Acetate	5.035	43	2581	1.401	ug/l #	81
20) Methylene Chloride	5.277	84	4653	3.701	ug/l	88
25) 2-Butanone	7.494	43	1346	1.518	ug/l #	75
29) Tetrahydrofuran	7.865	42	285	0.497	ug/l #	26
31) Cyclohexane	8.224	56	2532	1.278	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	8338	4.786	ug/l #	49
37) Ethyl Acetate	7.571	43	17214	9.009	ug/l	99
38) Carbon Tetrachloride	8.229	117	11194	5.841	ug/l #	14
43) Isopropyl Acetate	8.694	43	80887	27.293	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	922	0.726	ug/l #	42
48) Methyl methacrylate	9.741	41	72671	53.455	ug/l #	33
49) 1,4-Dioxane	9.735	88	70	1.966	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	56895	29.749	ug/l #	44
53) t-1,3-Dichloropropene	10.723	75	563	0.278	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	31900	14.877	ug/l #	63
56) Ethyl methacrylate	10.982	69	769	0.357	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4620	1.962	ug/l #	42
59) 2-Hexanone	11.200	43	48849	33.654	ug/l #	51
71) Bromoform	12.853	173	748	0.697	ug/l #	1
74) N-amyl acetate	12.306	43	18926	8.405	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	42096	26.144	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	42096	67.112	ug/l #	10

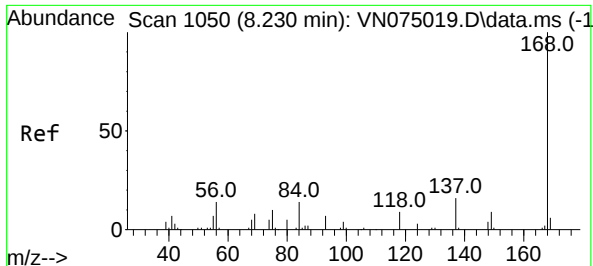
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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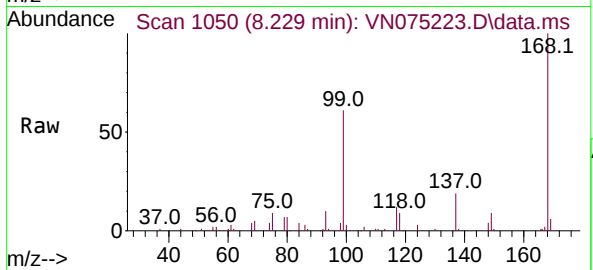
Quant Time: Nov 10 02:45:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
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QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



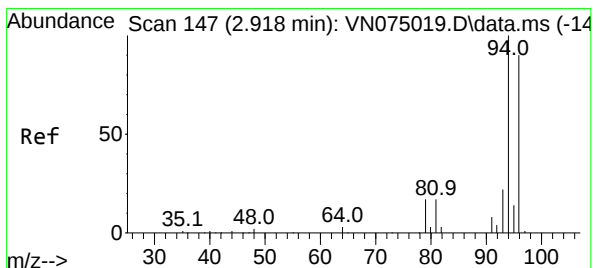
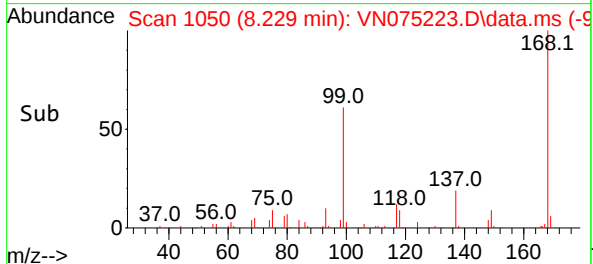
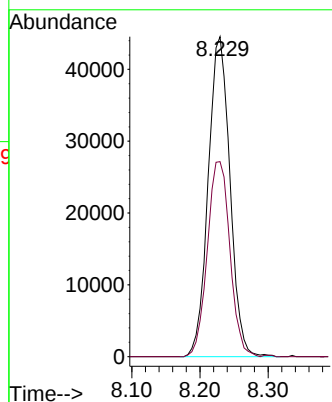


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#09

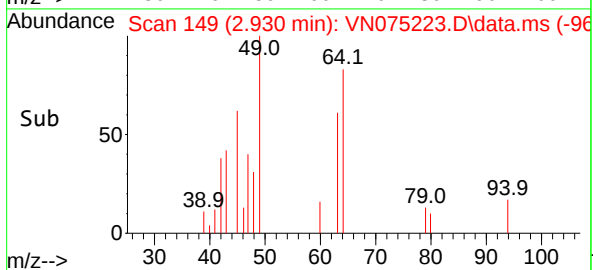
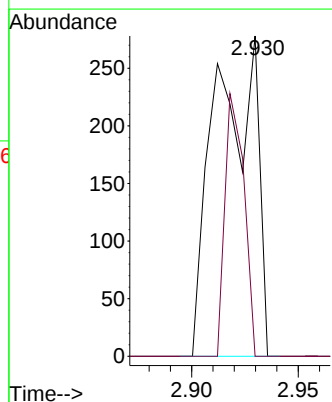
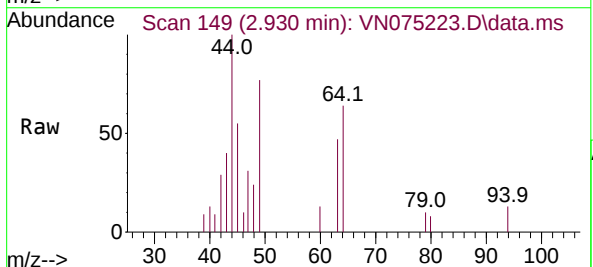


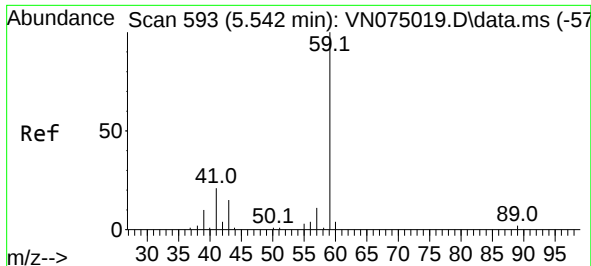
Tgt Ion:168 Resp: 98837
Ion Ratio Lower Upper
168 100
99 61.0 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.930 min Scan# 149
Delta R.T. 0.012 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

Tgt Ion: 94 Resp: 379
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

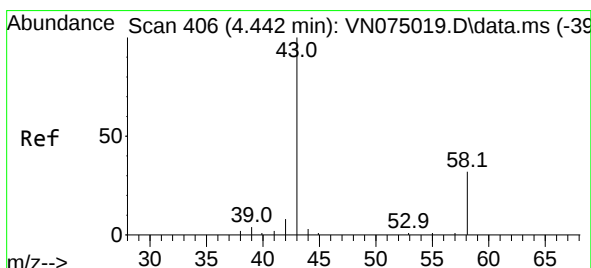
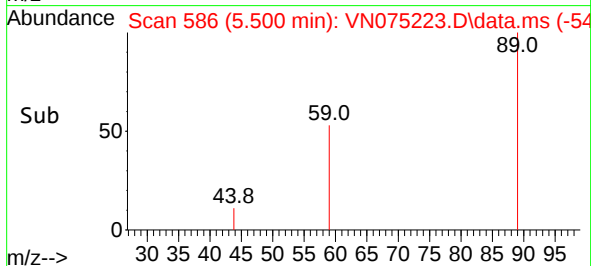
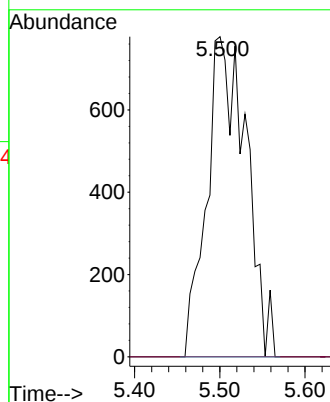
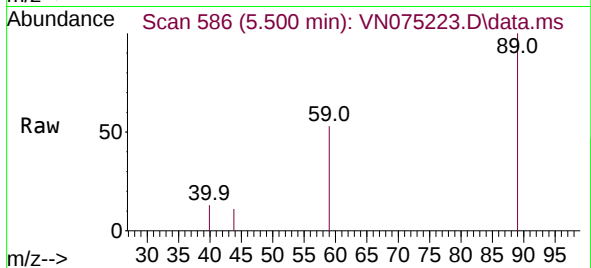




#11
Tert butyl alcohol
Concen: 8.073 ug/l
RT: 5.500 min Scan# 51
Delta R.T. -0.042 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

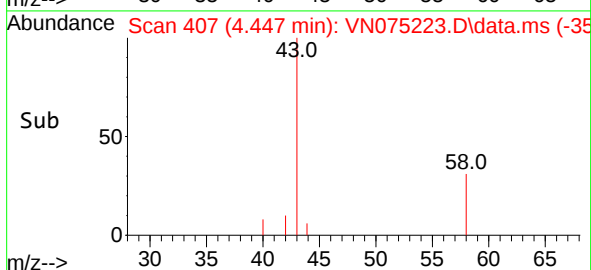
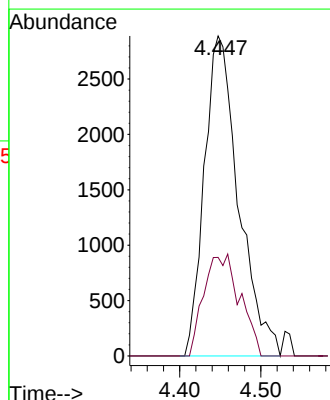
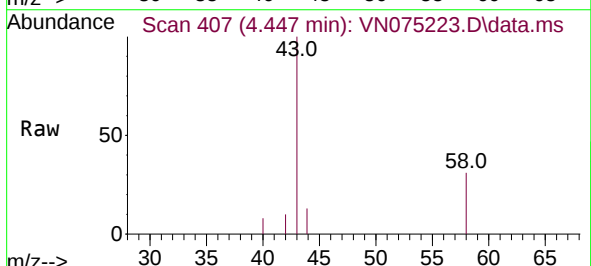
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#09

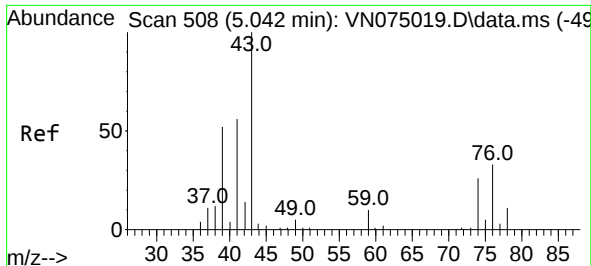
Tgt Ion: 59 Resp: 2507
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 15.017 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.005 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

Tgt Ion: 43 Resp: 8468
Ion Ratio Lower Upper
43 100
58 30.8 25.5 38.3

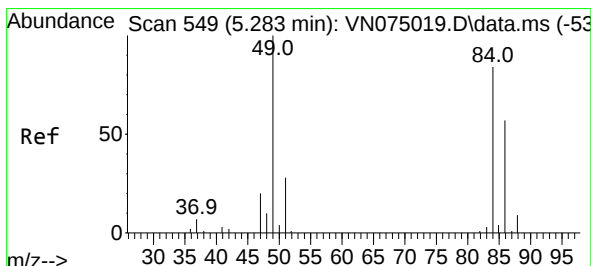
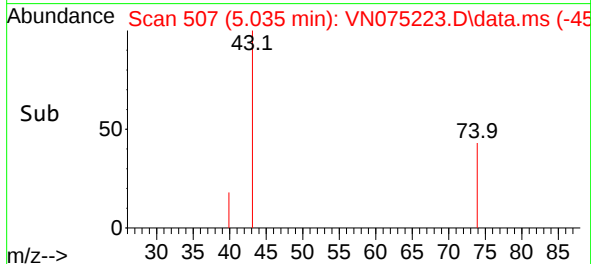
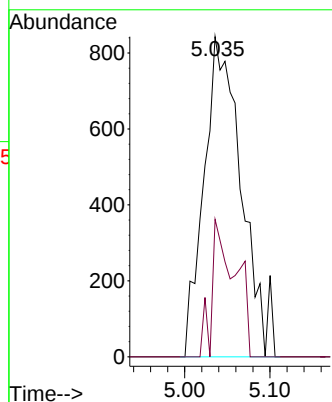
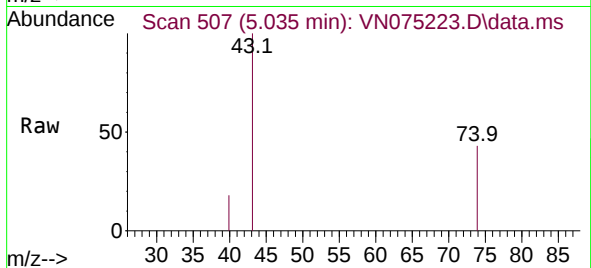




#18
Methyl Acetate
Concen: 1.401 ug/l
RT: 5.035 min Scan# 508
Delta R.T. -0.006 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

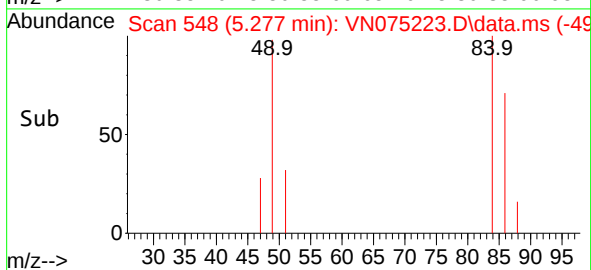
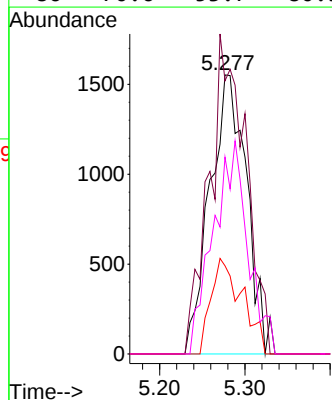
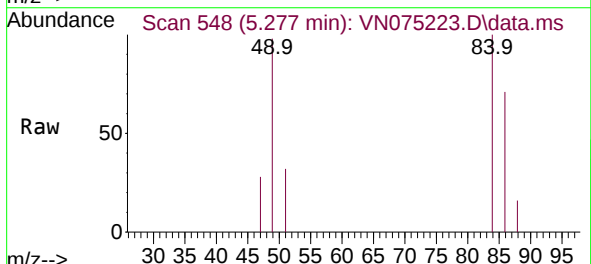
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#09

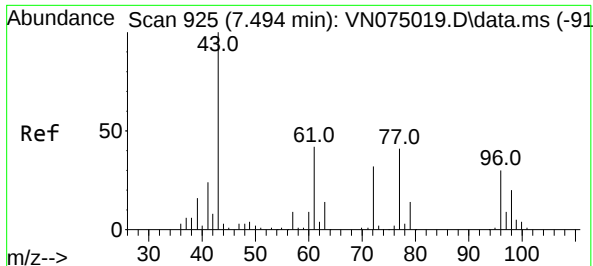
Tgt Ion: 43 Resp: 2581
Ion Ratio Lower Upper
43 100
74 17.5 22.0 33.0#



#20
Methylene Chloride
Concen: 3.701 ug/l
RT: 5.277 min Scan# 548
Delta R.T. -0.006 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

Tgt Ion: 84 Resp: 4653
Ion Ratio Lower Upper
84 100
49 97.9 94.9 142.3
51 31.6 26.8 40.2
86 70.6 53.7 80.5





#25

2-Butanone

Concen: 1.518 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN075223.D

Acq: 09 Nov 2022 17:29

Instrument :

MSVOA_N

ClientSampleId :

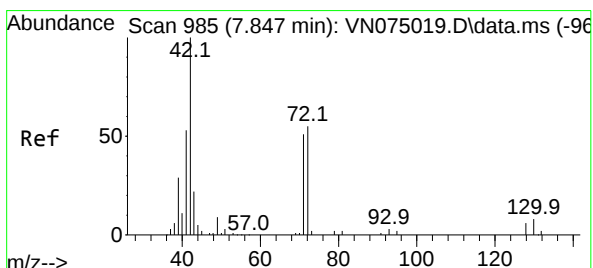
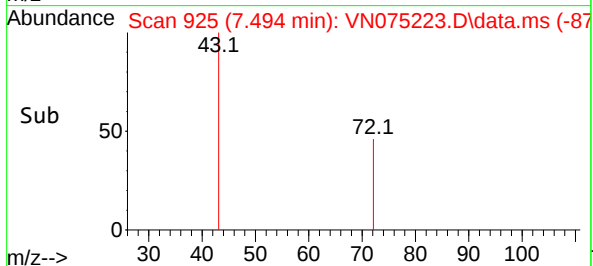
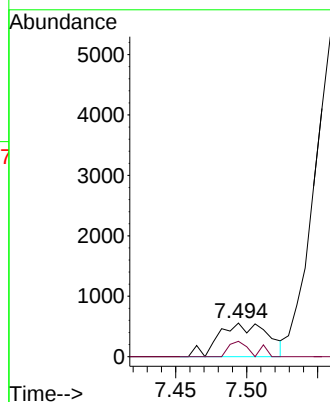
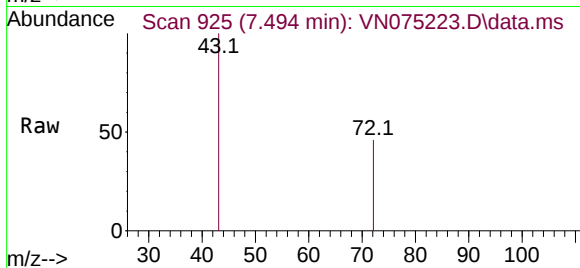
PB148908ZHE#09

Tgt Ion: 43 Resp: 1346

Ion Ratio Lower Upper

43 100

72 45.6 25.5 38.3#



#29

Tetrahydrofuran

Concen: 0.497 ug/l

RT: 7.865 min Scan# 988

Delta R.T. 0.018 min

Lab File: VN075223.D

Acq: 09 Nov 2022 17:29

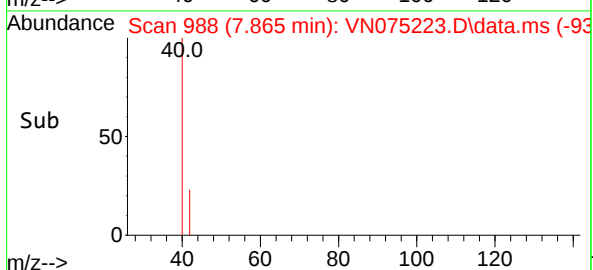
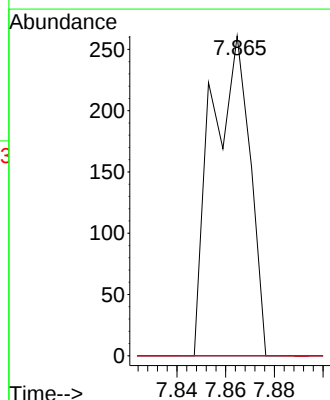
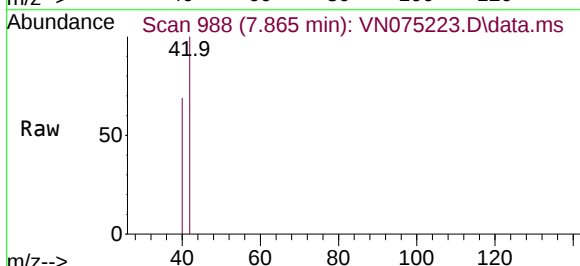
Tgt Ion: 42 Resp: 285

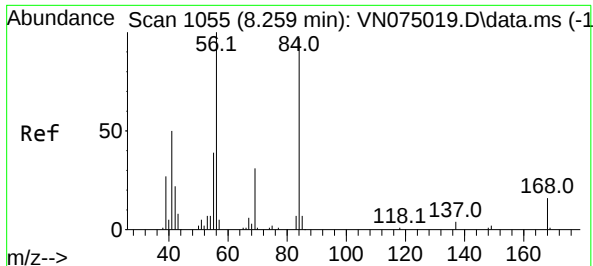
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#

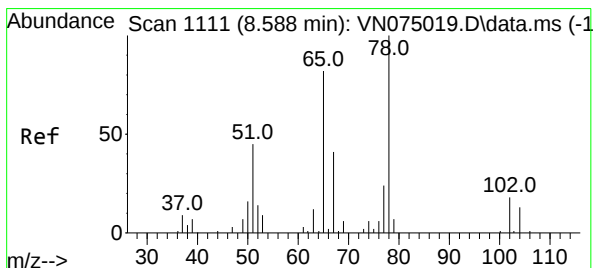
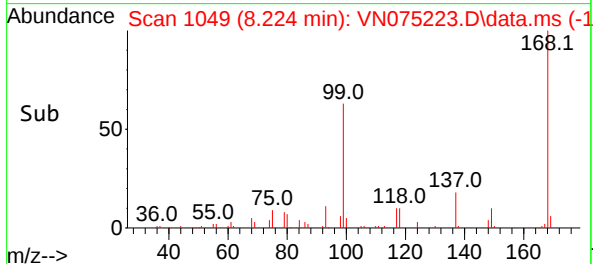
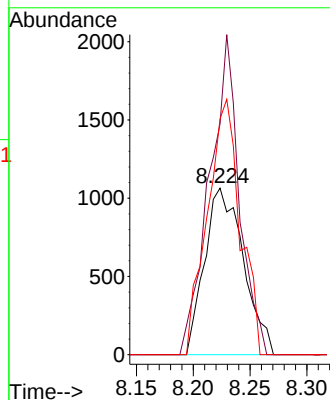
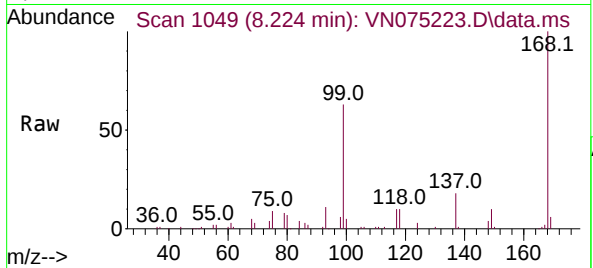




#31
Cyclohexane
Concen: 1.278 ug/l
RT: 8.224 min Scan# 1109
Delta R.T. -0.035 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

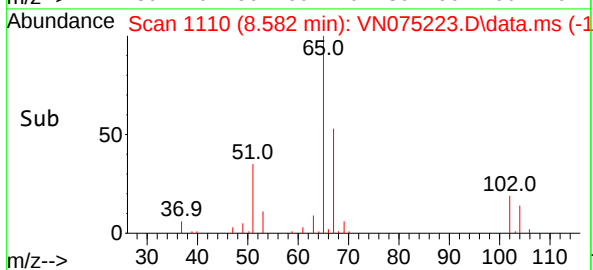
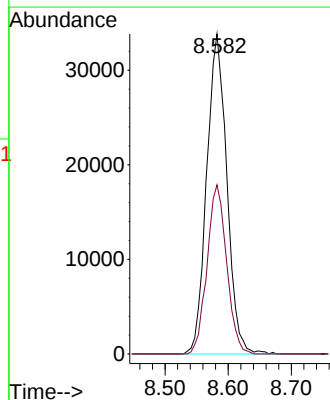
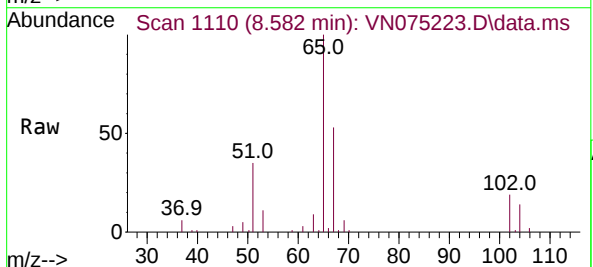
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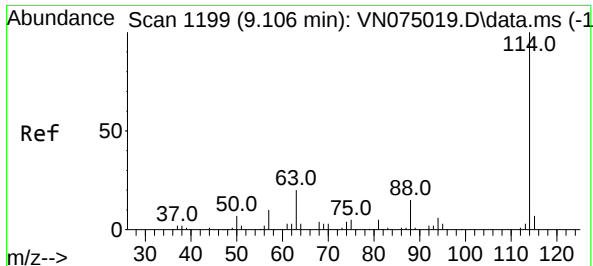
Tgt Ion: 56 Resp: 2532
Ion Ratio Lower Upper
56 100
69 138.5 25.2 37.8#
84 141.5 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 56.254 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

Tgt Ion: 65 Resp: 74914
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075223.D

Acq: 09 Nov 2022 17:29

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#09

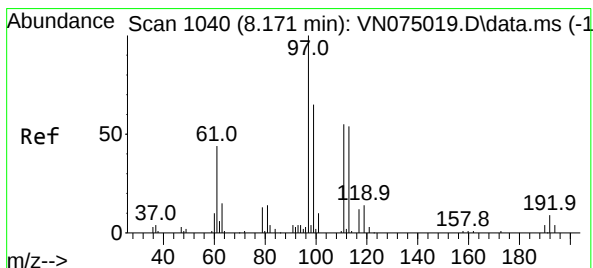
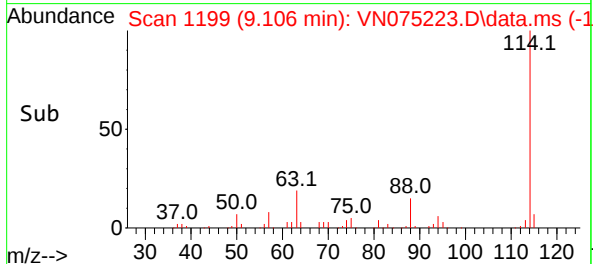
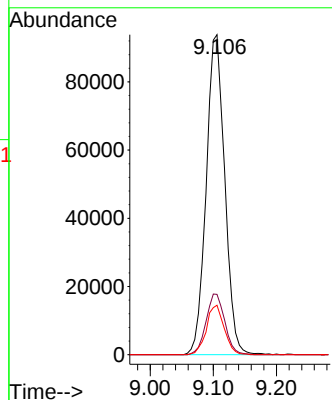
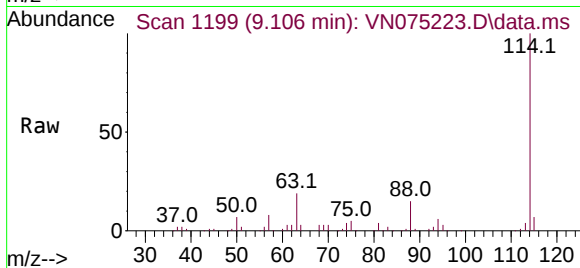
Tgt Ion:114 Resp: 191694

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.860 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075223.D

Acq: 09 Nov 2022 17:29

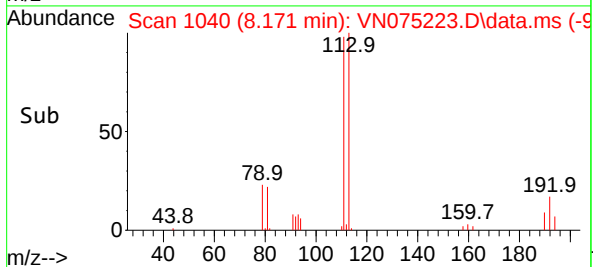
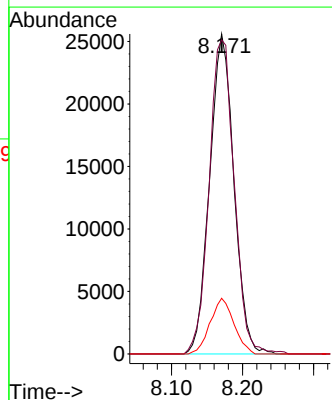
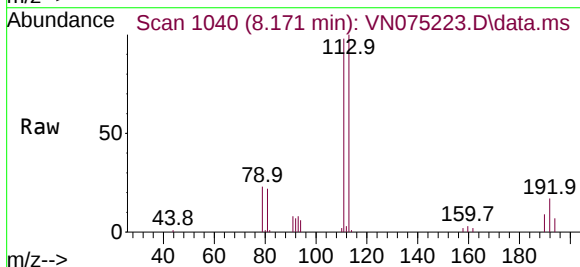
Tgt Ion:113 Resp: 60611

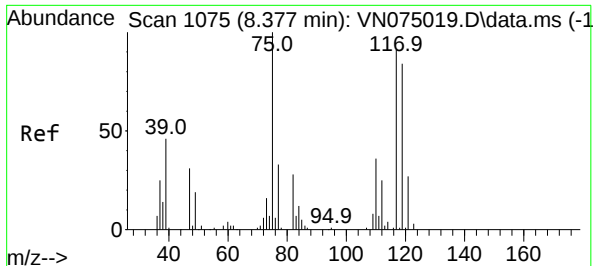
Ion Ratio Lower Upper

113 100

111 101.8 80.5 120.7

192 17.1 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.786 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN075223.D

Acq: 09 Nov 2022 17:29

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#09

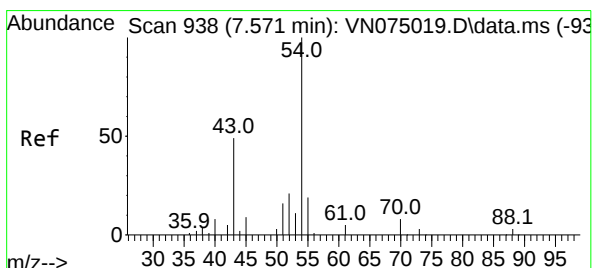
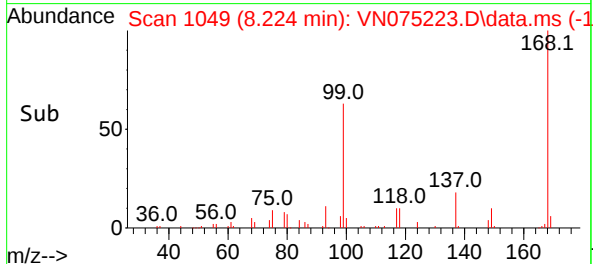
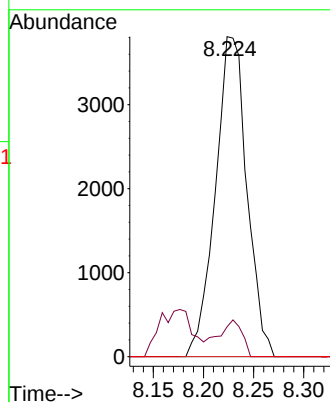
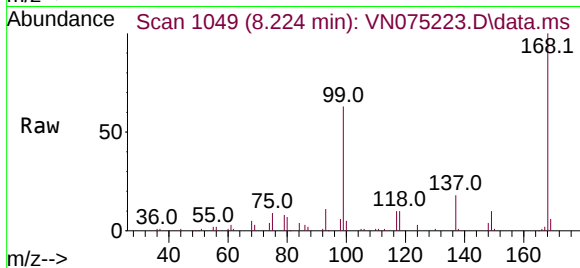
Tgt Ion: 75 Resp: 8338

Ion Ratio Lower Upper

75 100

110 7.9 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 9.009 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN075223.D

Acq: 09 Nov 2022 17:29

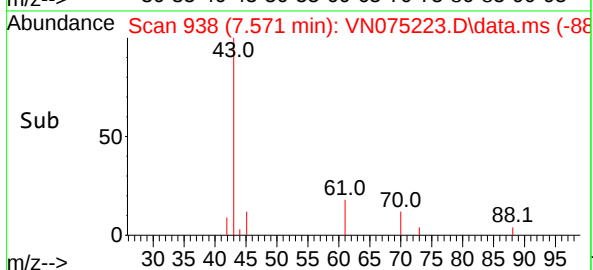
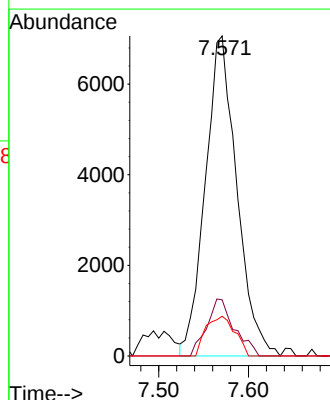
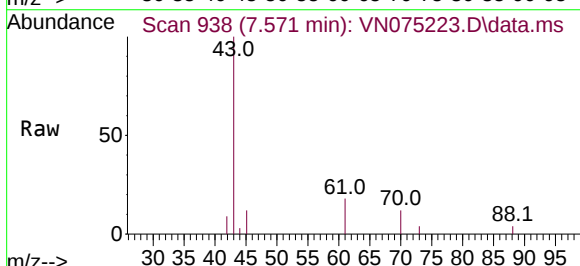
Tgt Ion: 43 Resp: 17214

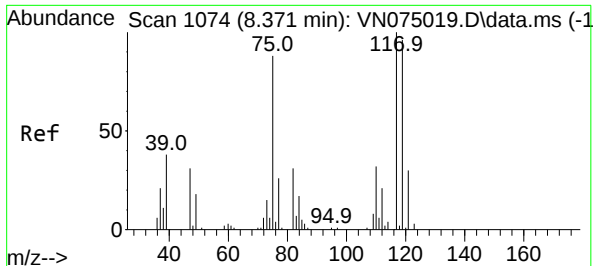
Ion Ratio Lower Upper

43 100

61 15.6 12.2 18.4

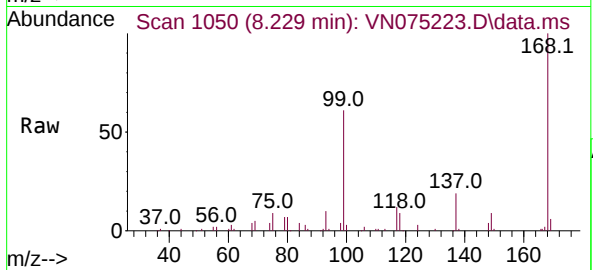
70 11.4 9.4 14.2



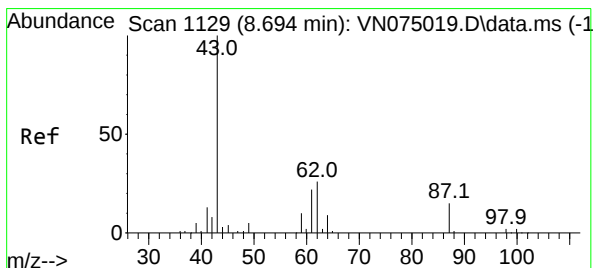
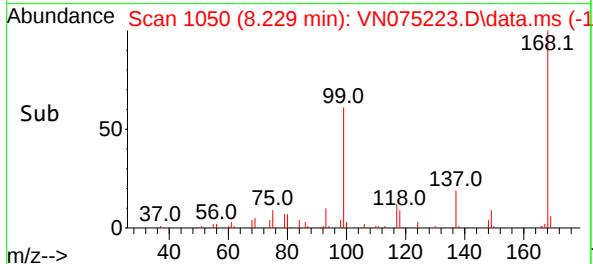
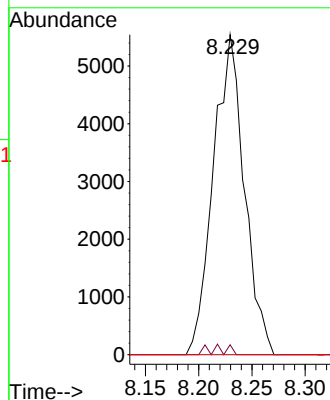


#38
Carbon Tetrachloride
Concen: 5.841 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#09

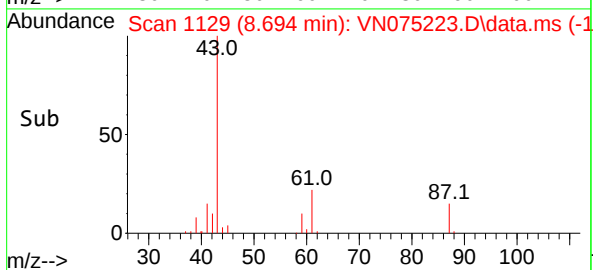
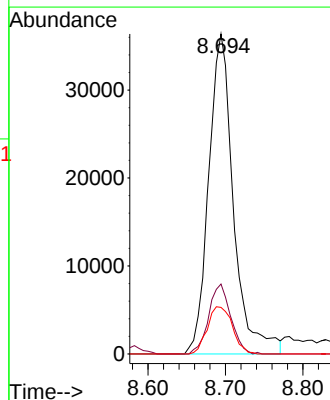
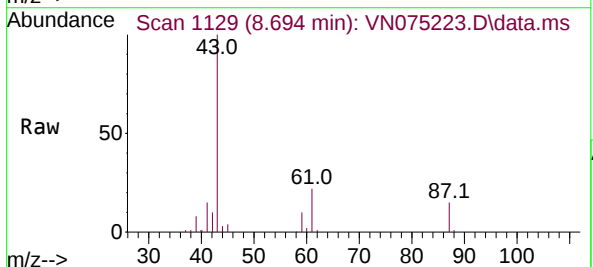


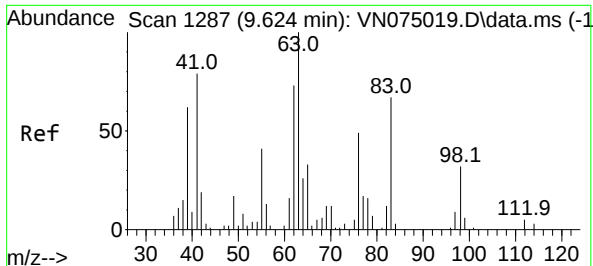
Tgt Ion:117 Resp: 11194
Ion Ratio Lower Upper
117 100
119 3.1 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 27.293 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

Tgt Ion: 43 Resp: 80887
Ion Ratio Lower Upper
43 100
61 19.4 22.4 33.6#
87 14.9 12.5 18.7





#45

1,2-Dichloropropane

Concen: 0.726 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.117 min

Lab File: VN075223.D

Acq: 09 Nov 2022 17:29

Instrument :

MSVOA_N

ClientSampleId :

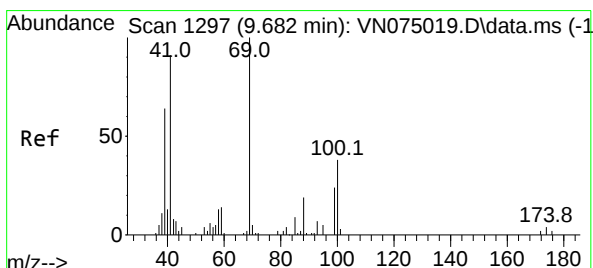
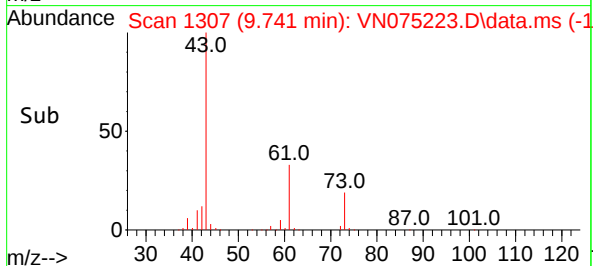
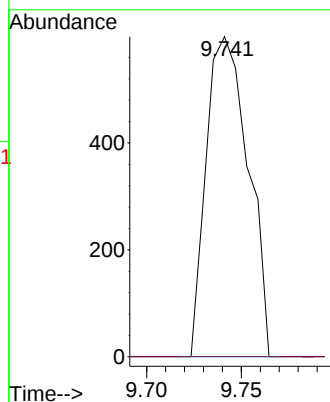
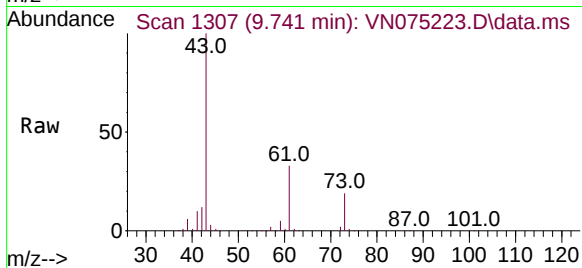
PB148908ZHE#09

Tgt Ion: 63 Resp: 922

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 53.455 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.059 min

Lab File: VN075223.D

Acq: 09 Nov 2022 17:29

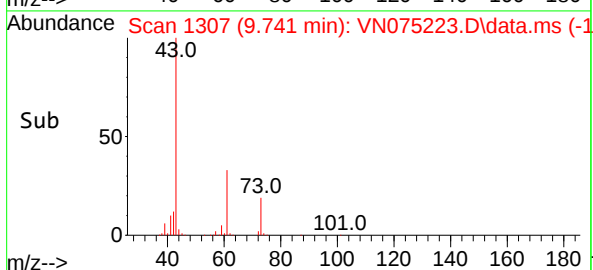
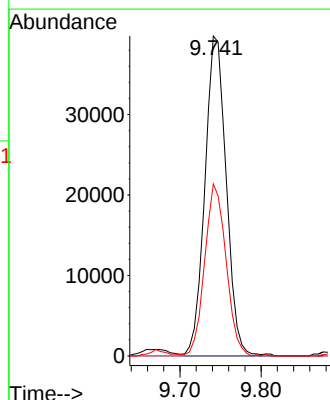
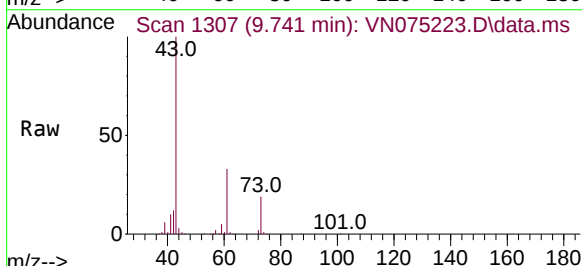
Tgt Ion: 41 Resp: 72671

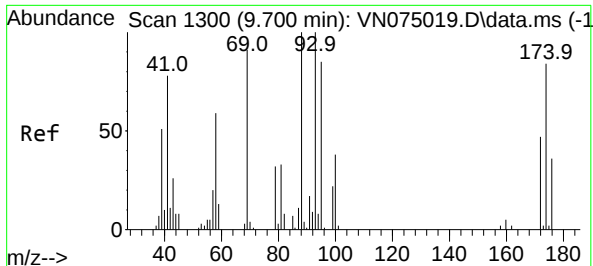
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 53.8 56.2 84.2#





#49

1,4-Dioxane

Concen: 1.966 ug/l

RT: 9.735 min Scan# 1306

Delta R.T. 0.035 min

Lab File: VN075223.D

Acq: 09 Nov 2022 17:29

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#09

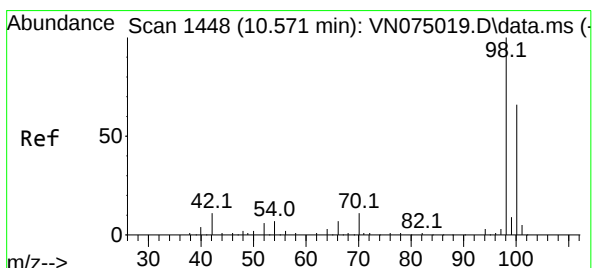
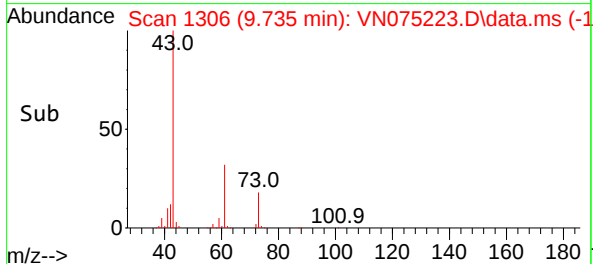
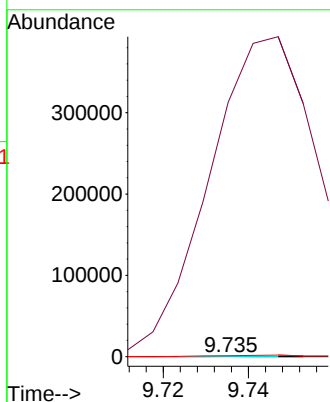
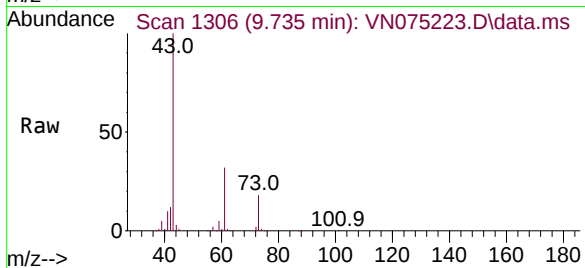
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 1049651.4 17.5 26.3#

58 4520.0 49.8 74.8#



#50

Toluene-d8

Concen: 52.326 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075223.D

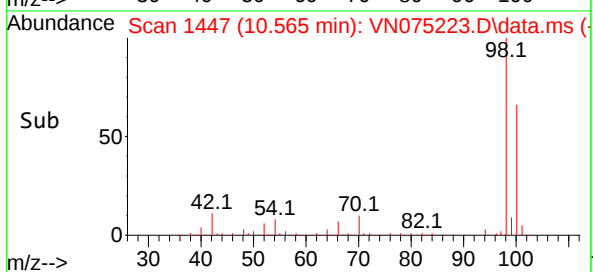
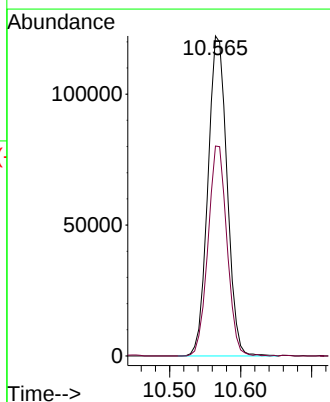
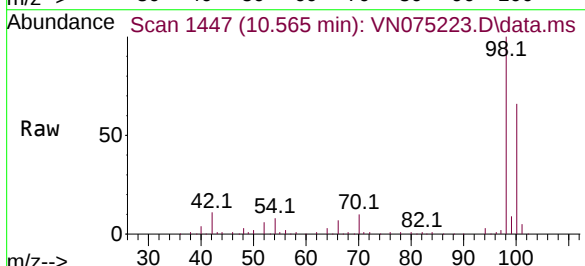
Acq: 09 Nov 2022 17:29

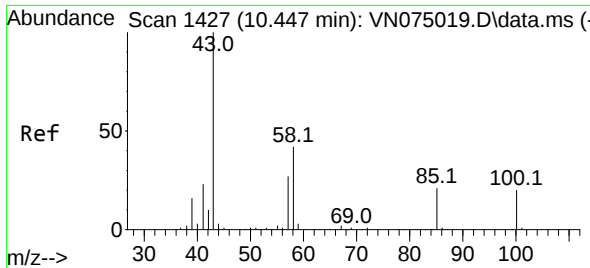
Tgt Ion: 98 Resp: 228457

Ion Ratio Lower Upper

98 100

100 64.9 53.0 79.6

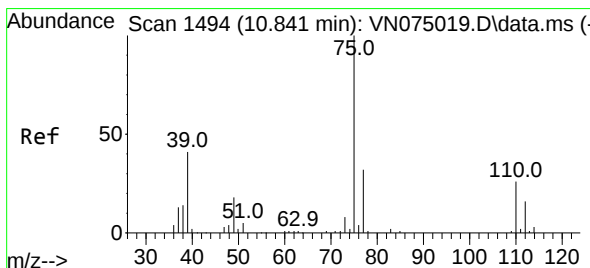
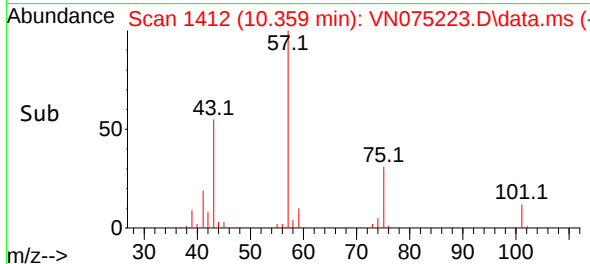
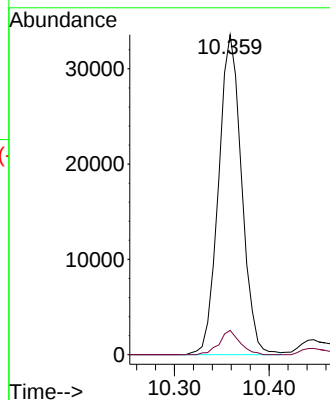
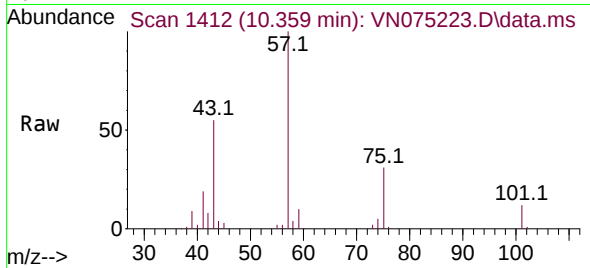




#51
4-Methyl-2-Pentanone
Concen: 29.749 ug/l
RT: 10.359 min Scan# 1427
Delta R.T. -0.088 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

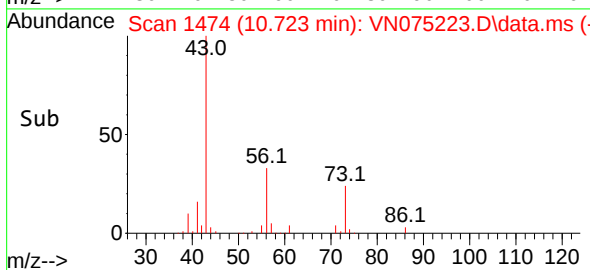
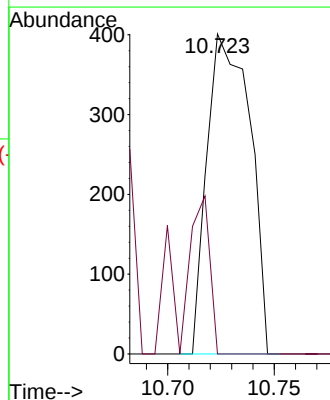
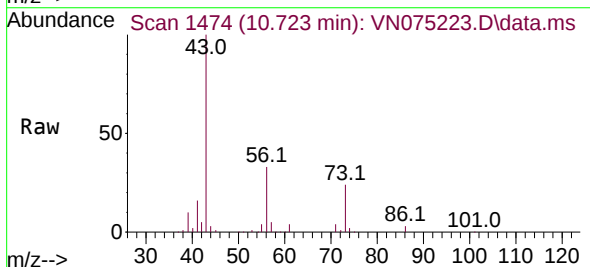
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#09

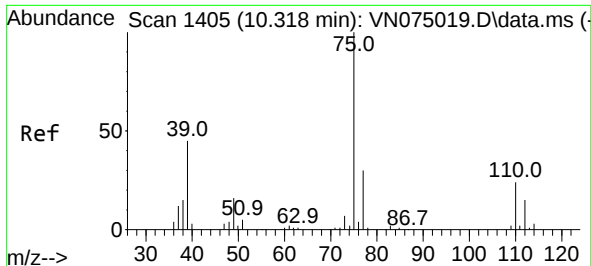
Tgt Ion: 43 Resp: 56895
Ion Ratio Lower Upper
43 100
58 6.8 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.278 ug/l
RT: 10.723 min Scan# 1474
Delta R.T. -0.118 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

Tgt Ion: 75 Resp: 563
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

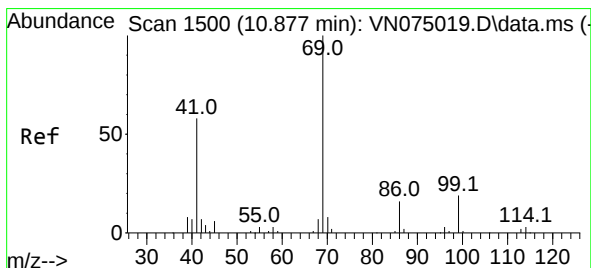
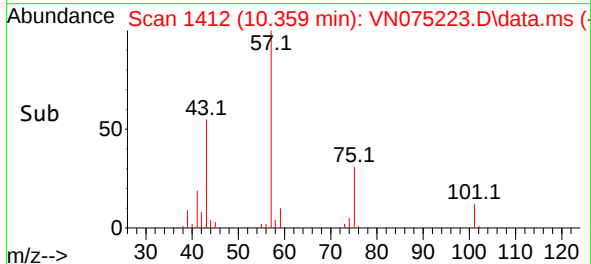
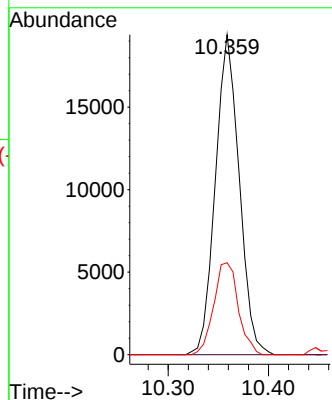
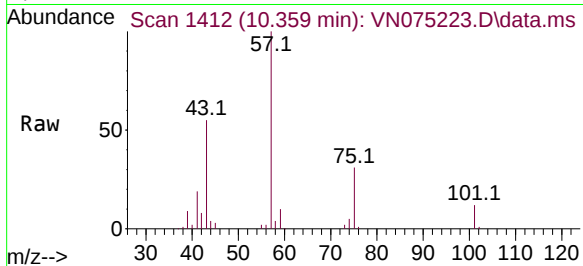




#54
 cis-1,3-Dichloropropene
 Concen: 14.877 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075223.D
 Acq: 09 Nov 2022 17:29

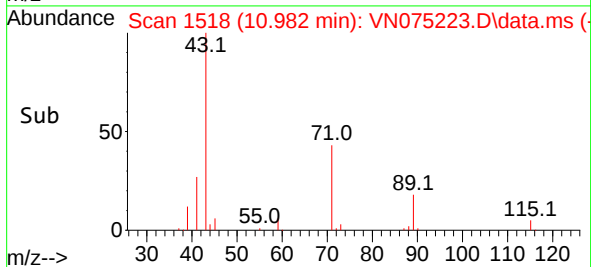
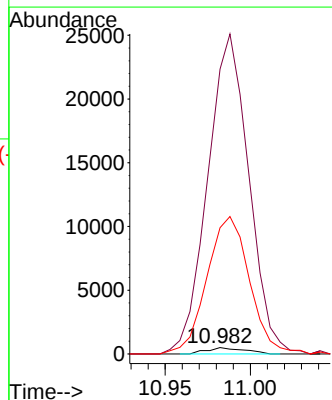
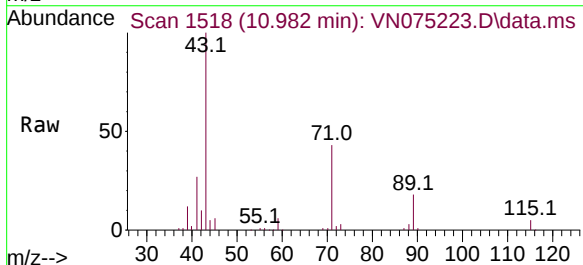
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#09

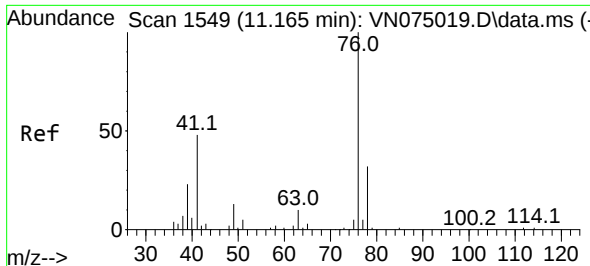
Tgt Ion: 75 Resp: 31900
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 28.8 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.357 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.105 min
 Lab File: VN075223.D
 Acq: 09 Nov 2022 17:29

Tgt Ion: 69 Resp: 769
 Ion Ratio Lower Upper
 69 100
 41 5493.9 45.6 68.4#
 39 2438.1 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.962 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075223.D

Acq: 09 Nov 2022 17:29

Instrument :

MSVOA_N

ClientSampleId :

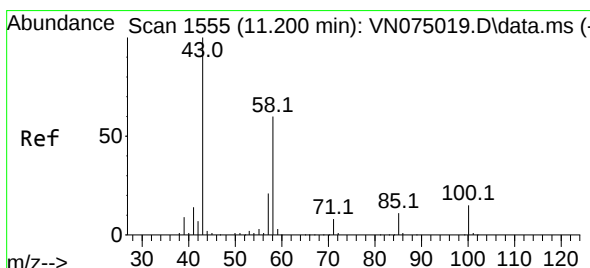
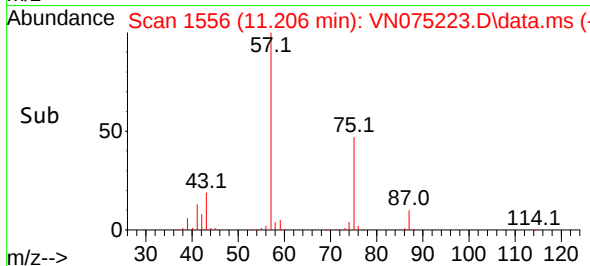
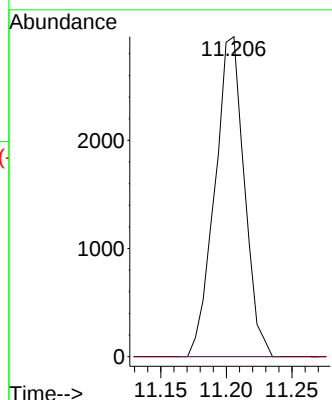
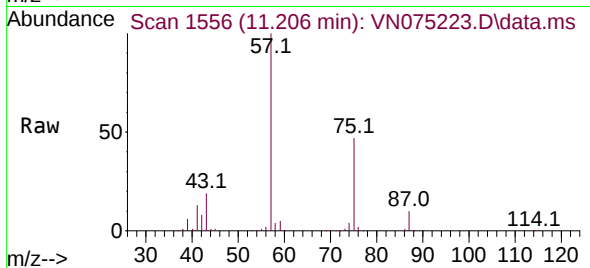
PB148908ZHE#09

Tgt Ion: 76 Resp: 4620

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 33.654 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN075223.D

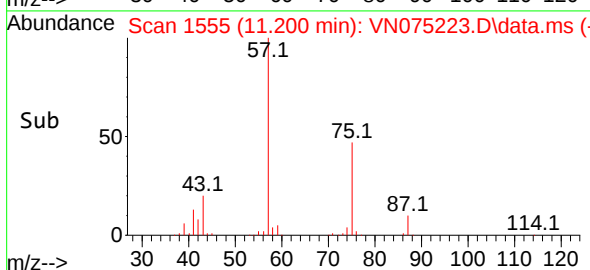
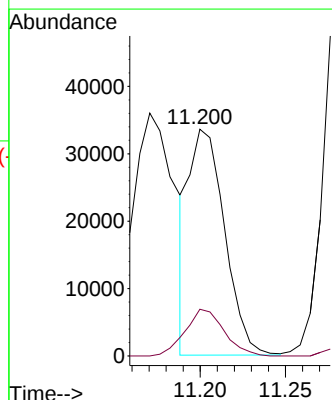
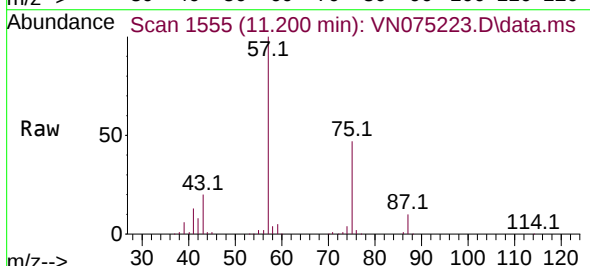
Acq: 09 Nov 2022 17:29

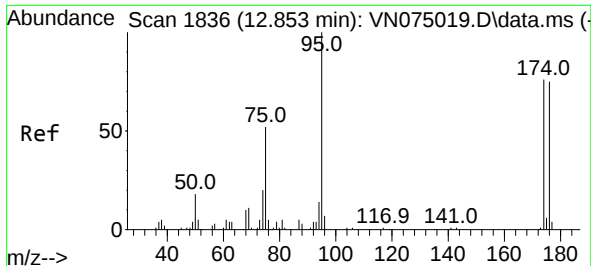
Tgt Ion: 43 Resp: 48849

Ion Ratio Lower Upper

43 100

58 22.6 29.6 88.8#





#62

4-Bromofluorobenzene

Concen: 51.907 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.006 min

Lab File: VN075223.D

Acq: 09 Nov 2022 17:29

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#09

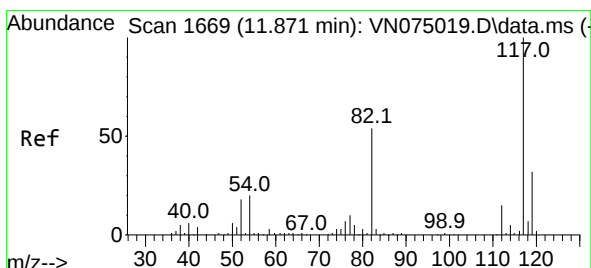
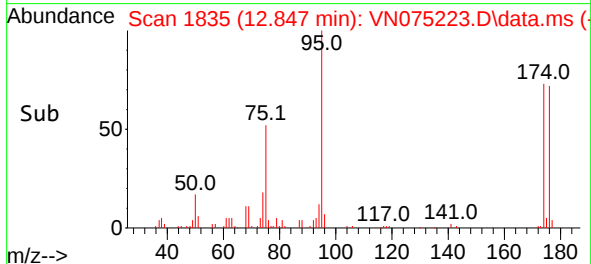
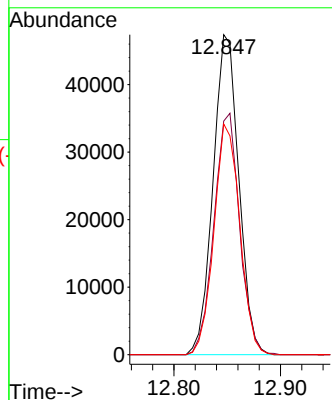
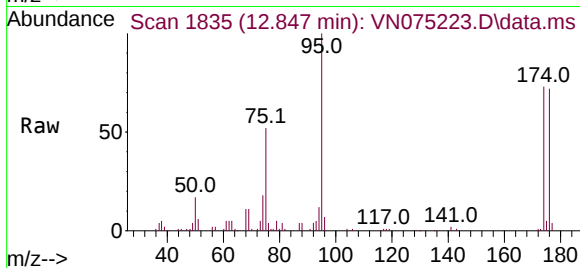
Tgt Ion: 95 Resp: 79609

Ion Ratio Lower Upper

95 100

174 75.2 0.0 147.4

176 72.3 0.0 142.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.864 min Scan# 1668

Delta R.T. -0.007 min

Lab File: VN075223.D

Acq: 09 Nov 2022 17:29

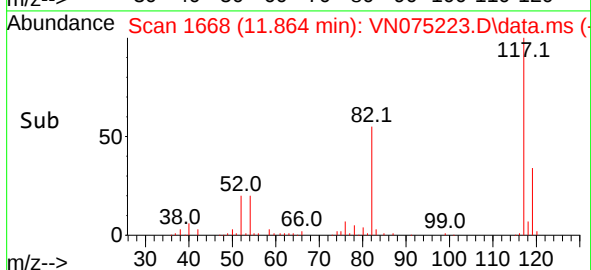
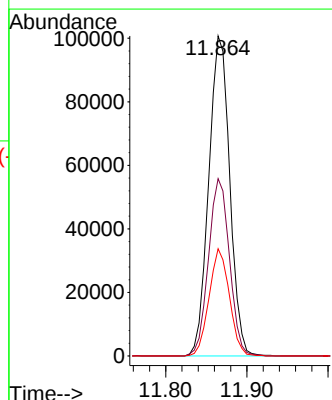
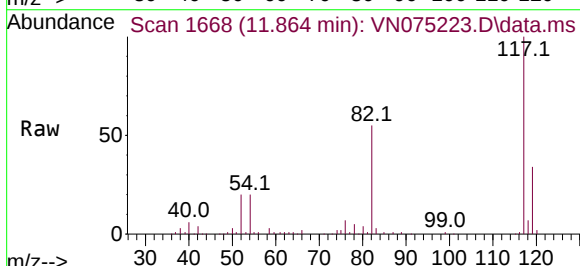
Tgt Ion: 117 Resp: 181027

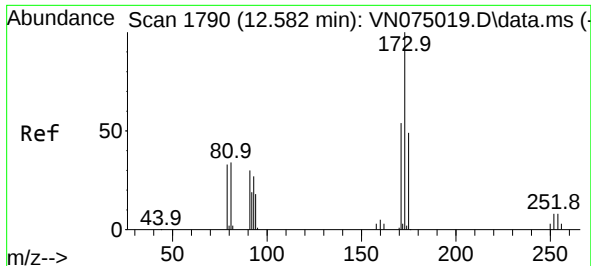
Ion Ratio Lower Upper

117 100

82 55.4 43.1 64.7

119 33.5 25.5 38.3

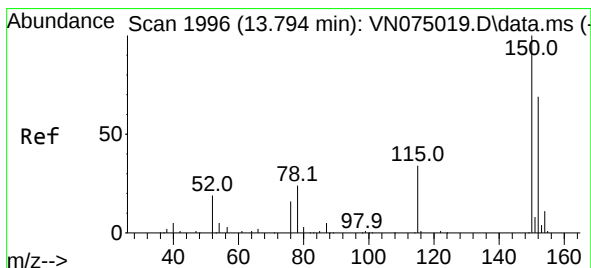
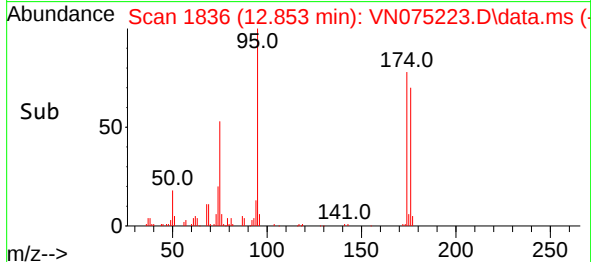
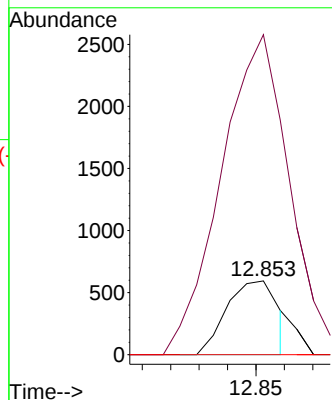
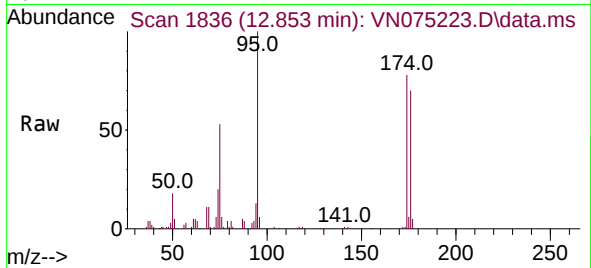




#71
Bromoform
Concen: 0.697 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

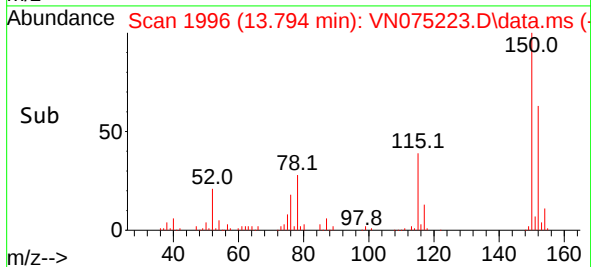
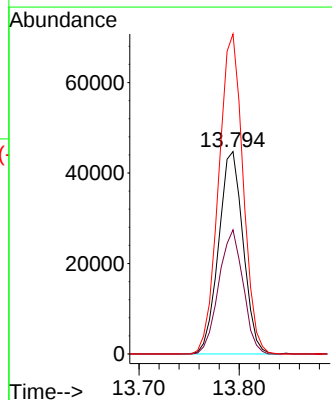
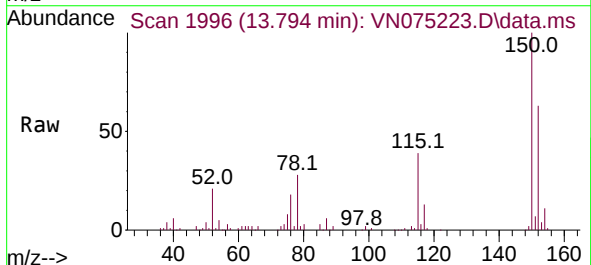
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#09

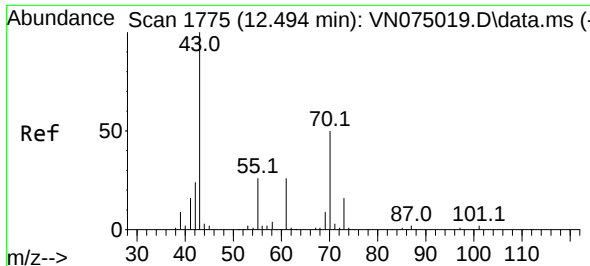
Tgt Ion:173 Resp: 748
Ion Ratio Lower Upper
173 100
175 497.1 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

Tgt Ion:152 Resp: 75833
Ion Ratio Lower Upper
152 100
115 60.8 30.2 90.6
150 157.4 0.0 348.4

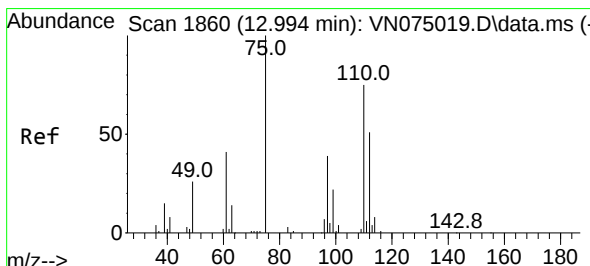
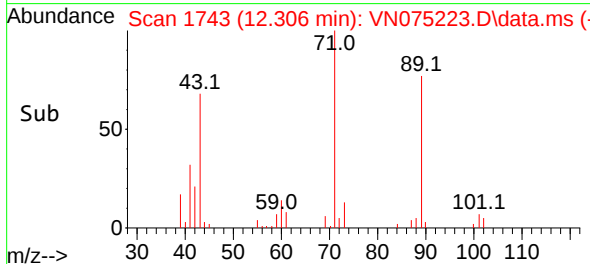
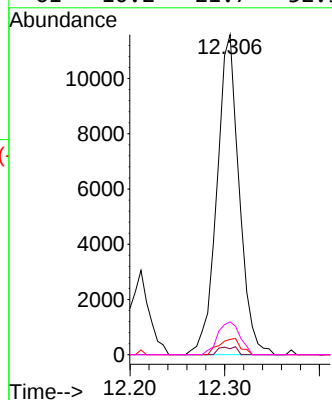
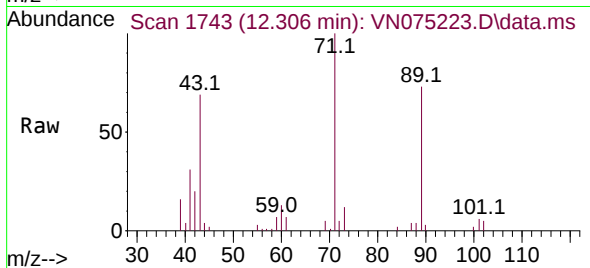




#74
N-amy1 acetate
Concen: 8.405 ug/l
RT: 12.306 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

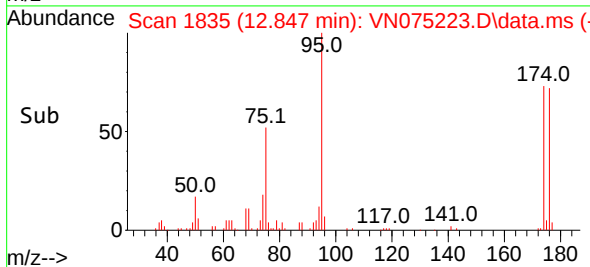
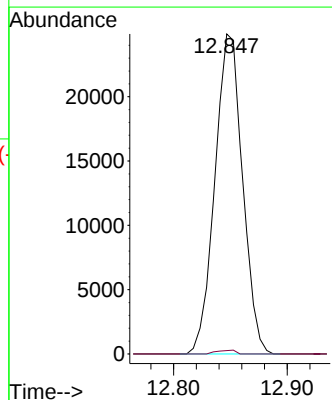
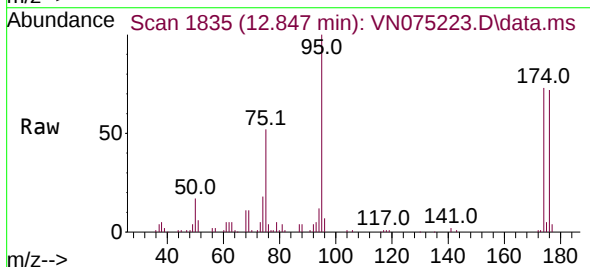
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#09

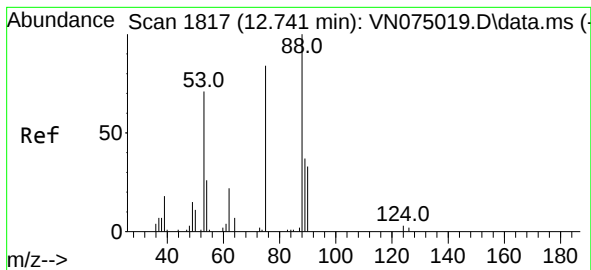
Tgt Ion: 43	Resp: 18926
Ion Ratio	Lower Upper
43 100	
70 1.9	39.8 59.8#
55 4.9	19.9 29.9#
61 10.2	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 26.144 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075223.D
Acq: 09 Nov 2022 17:29

Tgt Ion: 75	Resp: 42096
Ion Ratio	Lower Upper
75 100	
77 0.8	75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.112 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN075223.D
 Acq: 09 Nov 2022 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#09

Tgt Ion: 75 Resp: 42096
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

