

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110922\
 Data File : VN075220.D
 Acq On : 09 Nov 2022 16:17
 Operator : JC\MD
 Sample : PB148908ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 02:44:11 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)

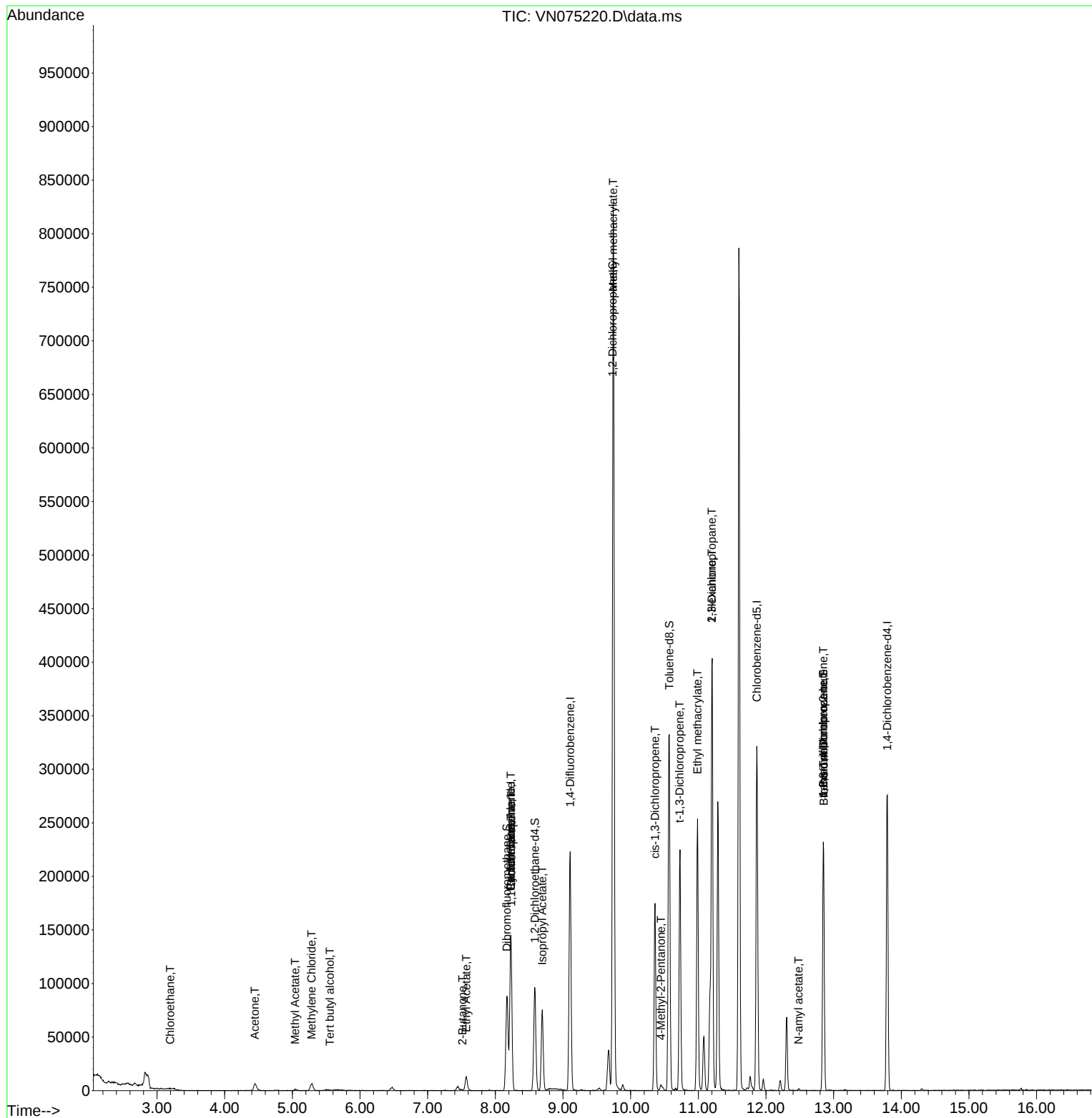
Internal Standards						
1) Pentafluorobenzene	8.230	168	104059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	197858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	191381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	76705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	77067	54.967	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 109.940%		
35) Dibromofluoromethane	8.171	113	64801	55.790	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 111.580%		
50) Toluene-d8	10.571	98	239244	53.090	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 106.180%		
62) 4-Bromofluorobenzene	12.847	95	82853	52.339	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 104.680%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.195	64	678	0.461	ug/l #	45
11) Tert butyl alcohol	5.553	59	156	0.477	ug/l #	72
16) Acetone	4.448	43	11682	19.678	ug/l #	87
18) Methyl Acetate	5.042	43	1957	1.009	ug/l #	88
20) Methylene Chloride	5.283	84	5766	4.356	ug/l #	87
25) 2-Butanone	7.512	43	1520	1.628	ug/l #	43
31) Cyclohexane	8.230	56	2345	1.125	ug/l #	48
36) 1,1-Dichloropropene	8.236	75	8792	4.889	ug/l #	50
37) Ethyl Acetate	7.571	43	18273	9.266	ug/l	99
38) Carbon Tetrachloride	8.230	117	11323	5.724	ug/l #	15
43) Isopropyl Acetate	8.694	43	79318	25.929	ug/l #	92
45) 1,2-Dichloropropane	9.735	63	1072	0.818	ug/l #	42
48) Methyl methacrylate	9.741	41	74005	52.740	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	5843	2.960	ug/l #	76
53) t-1,3-Dichloropropene	10.724	75	628	0.301	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	33484	15.129	ug/l #	63
56) Ethyl methacrylate	10.988	69	830	0.373	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4658	1.917	ug/l #	42
59) 2-Hexanone	11.200	43	51338	34.267	ug/l #	51
71) Bromoform	12.853	173	778	0.686	ug/l #	1
74) N-amyl acetate	12.482	43	699	0.307	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	44242	27.165	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	44242	69.732	ug/l #	10

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

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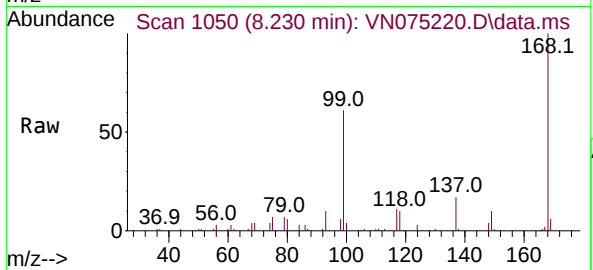
Quant Time: Nov 10 02:44:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
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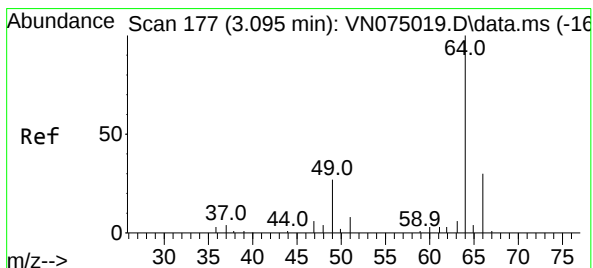
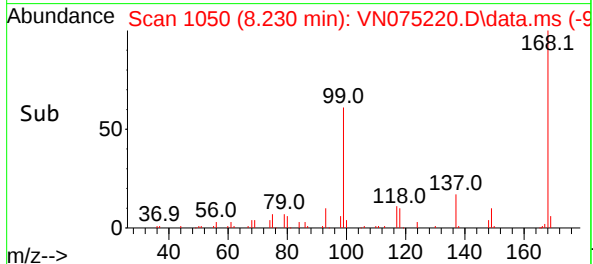
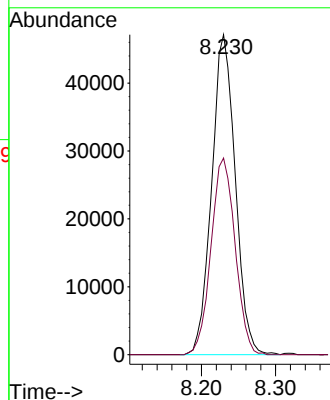


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075220.D
Acq: 09 Nov 2022 16:17

Instrument :
MSVOA_N
ClientSampleId :

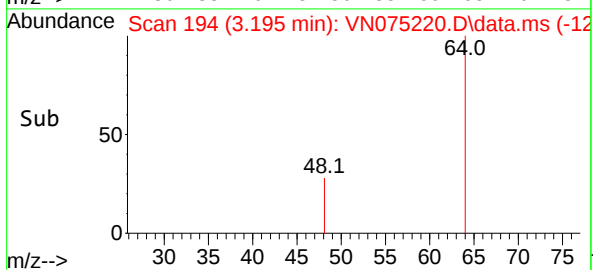
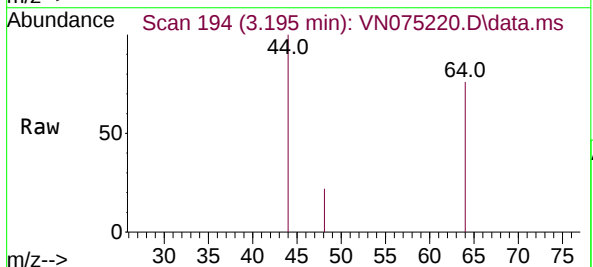


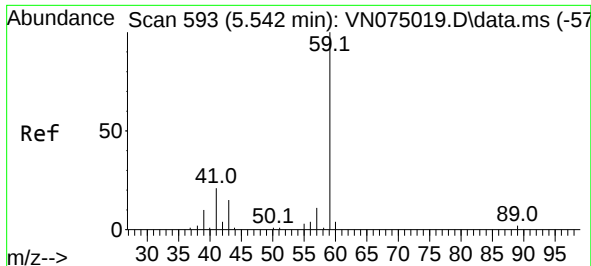
Tgt Ion:168 Resp: 104059
Ion Ratio Lower Upper
168 100
99 61.4 51.6 77.4



#6
Chloroethane
Concen: 0.461 ug/l
RT: 3.195 min Scan# 194
Delta R.T. 0.100 min
Lab File: VN075220.D
Acq: 09 Nov 2022 16:17

Tgt Ion: 64 Resp: 678
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

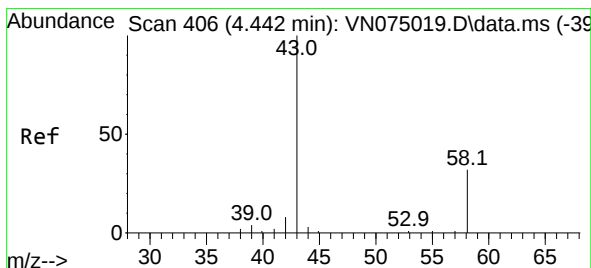
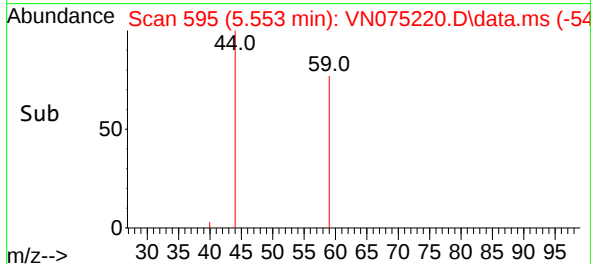
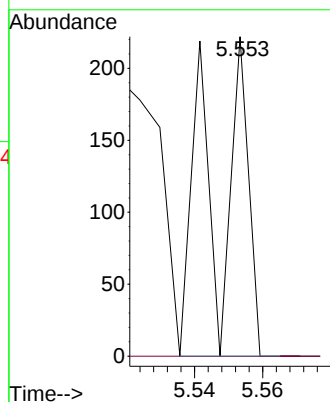
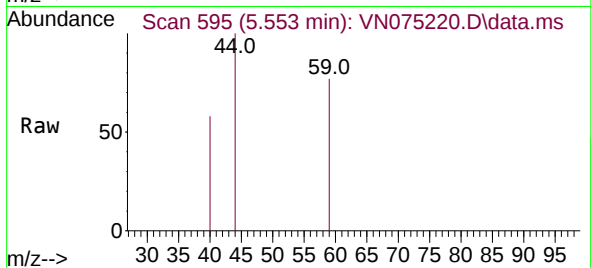




#11
Tert butyl alcohol
Concen: 0.477 ug/l
RT: 5.553 min Scan# 59
Delta R.T. 0.011 min
Lab File: VN075220.D
Acq: 09 Nov 2022 16:17

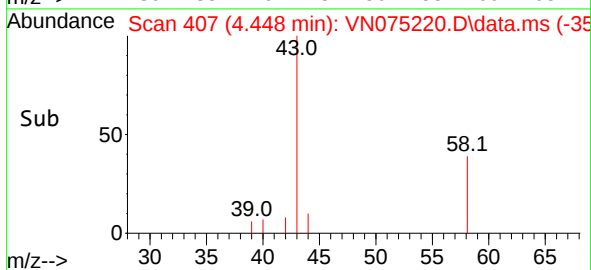
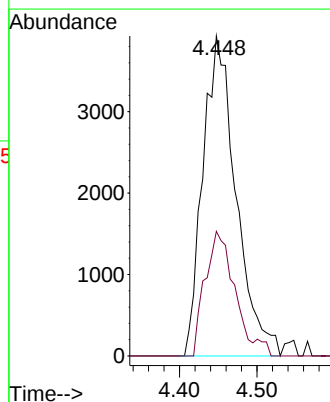
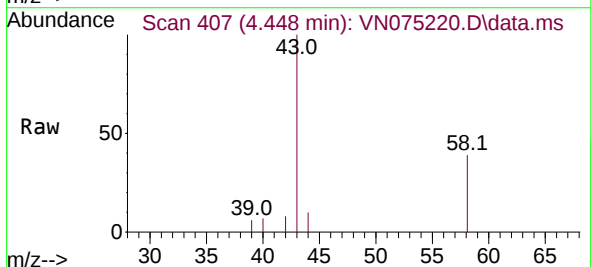
Instrument :
MSVOA_N
ClientSampleId :

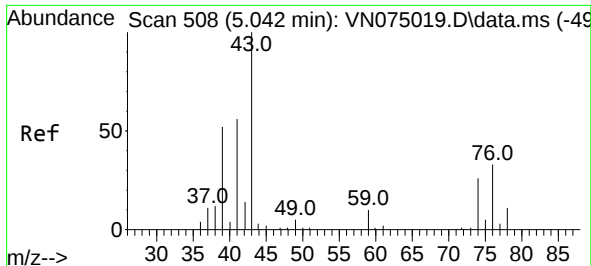
Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 19.678 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN075220.D
Acq: 09 Nov 2022 16:17

Tgt Ion: 43 Resp: 11682
Ion Ratio Lower Upper
43 100
58 38.9 25.5 38.3#

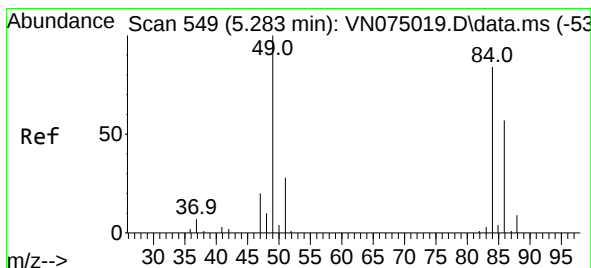
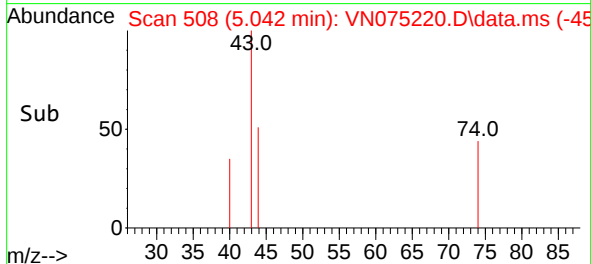
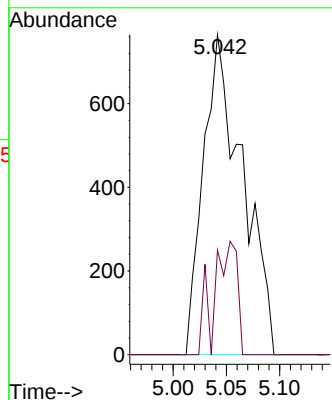
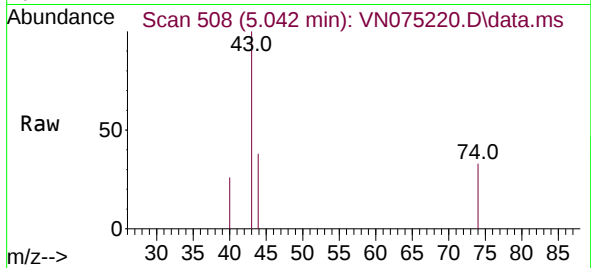




#18
Methyl Acetate
Concen: 1.009 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075220.D
Acq: 09 Nov 2022 16:17

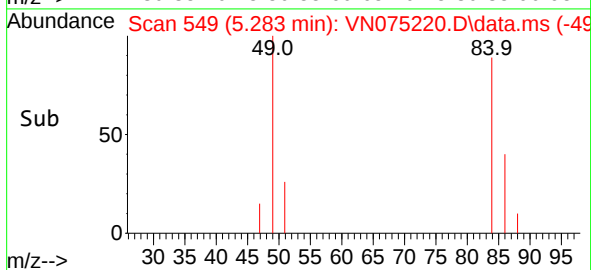
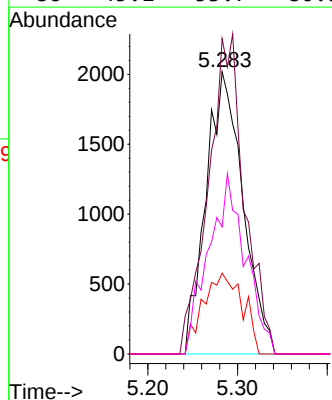
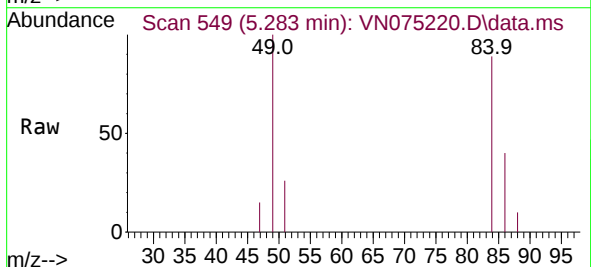
Instrument :
MSVOA_N
ClientSampleId :

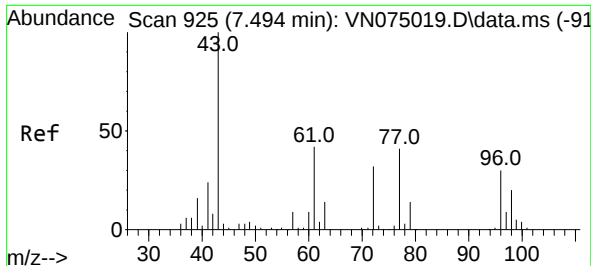
Tgt Ion: 43 Resp: 1957
Ion Ratio Lower Upper
43 100
74 21.2 22.0 33.0#



#20
Methylene Chloride
Concen: 4.356 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075220.D
Acq: 09 Nov 2022 16:17

Tgt Ion: 84 Resp: 5766
Ion Ratio Lower Upper
84 100
49 111.7 94.9 142.3
51 28.6 26.8 40.2
86 45.1 53.7 80.5#





#25

2-Butanone

Concen: 1.628 ug/l

RT: 7.512 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN075220.D

Acq: 09 Nov 2022 16:17

Instrument :

MSVOA_N

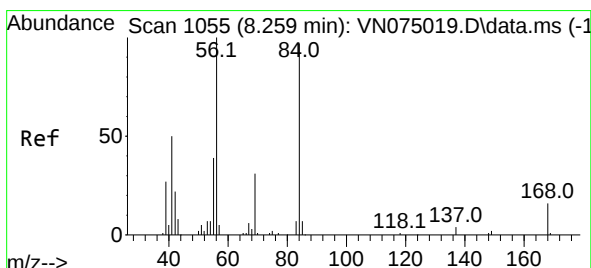
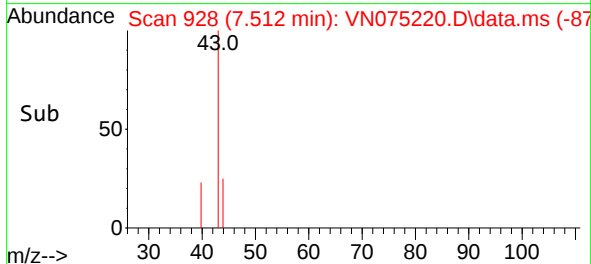
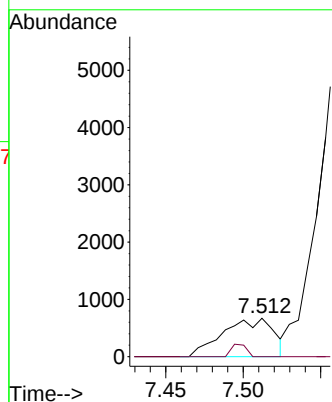
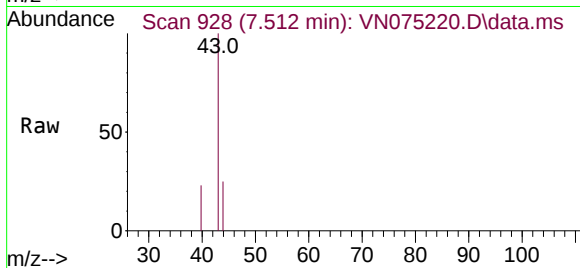
ClientSampleId :

Tgt Ion: 43 Resp: 1520

Ion Ratio Lower Upper

43 100

72 0.0 25.5 38.3#



#31

Cyclohexane

Concen: 1.125 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN075220.D

Acq: 09 Nov 2022 16:17

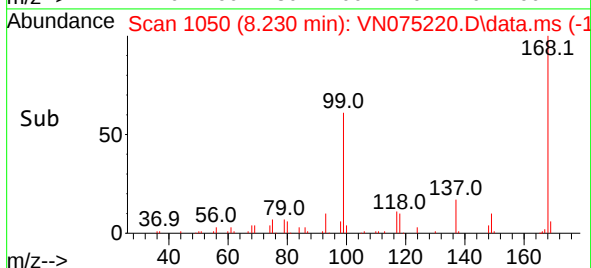
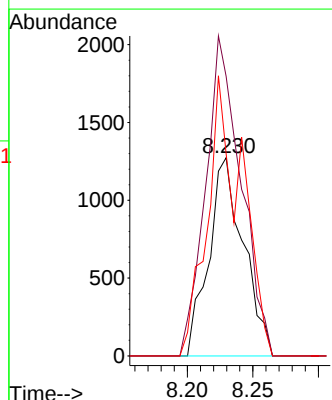
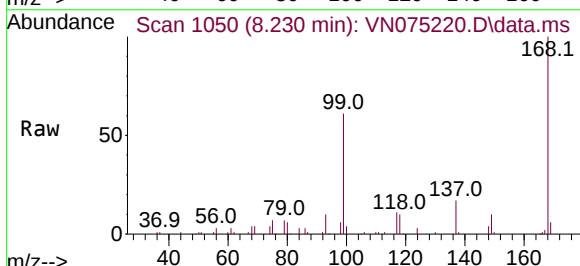
Tgt Ion: 56 Resp: 2345

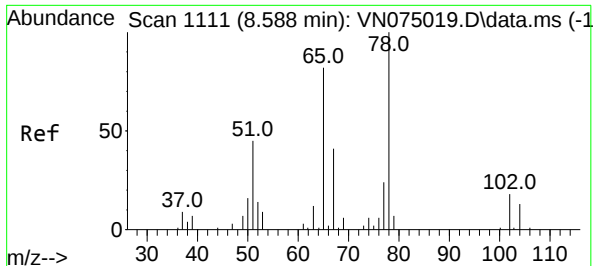
Ion Ratio Lower Upper

56 100

69 141.1 25.2 37.8#

84 102.0 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 54.967 ug/l

RT: 8.583 min Scan# 1111

Delta R.T. -0.005 min

Lab File: VN075220.D

Acq: 09 Nov 2022 16:17

Instrument :

MSVOA_N

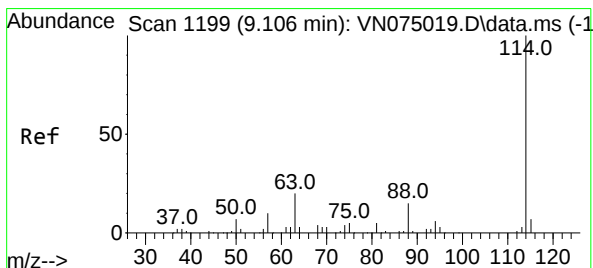
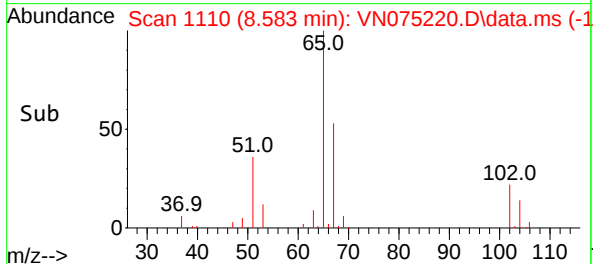
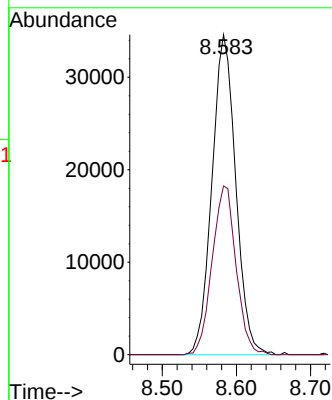
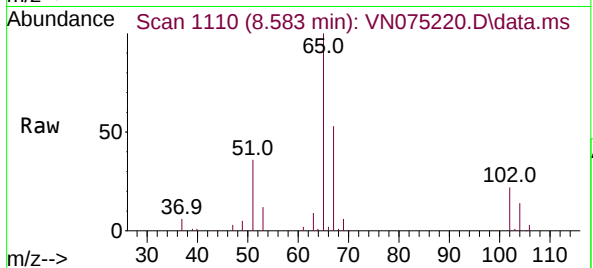
ClientSampleId :

Tgt Ion: 65 Resp: 77067

Ion Ratio Lower Upper

65 100

67 53.1 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: VN075220.D

Acq: 09 Nov 2022 16:17

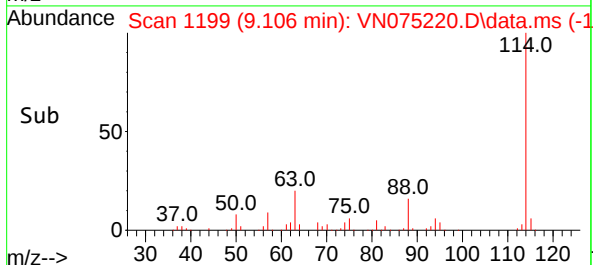
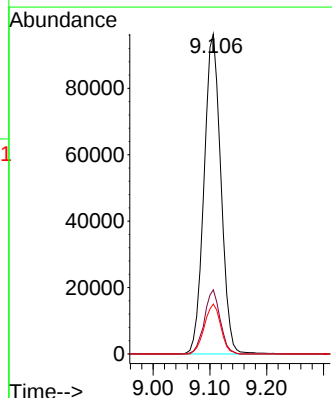
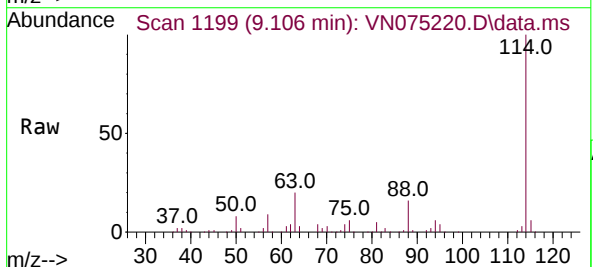
Tgt Ion: 114 Resp: 197858

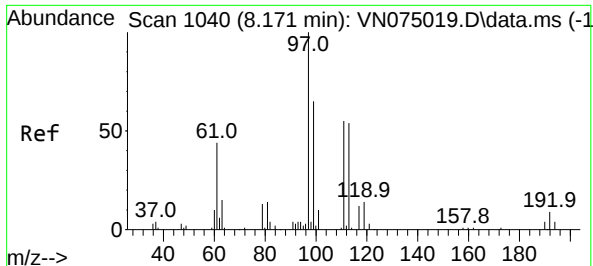
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 55.790 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075220.D

Acq: 09 Nov 2022 16:17

Instrument :

MSVOA_N

ClientSampleId :

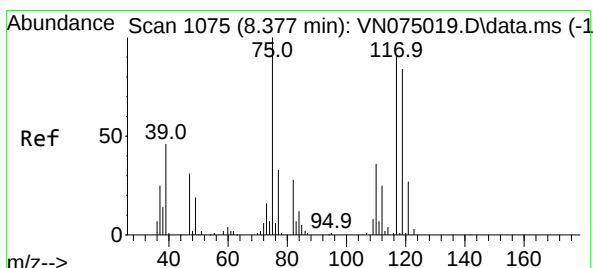
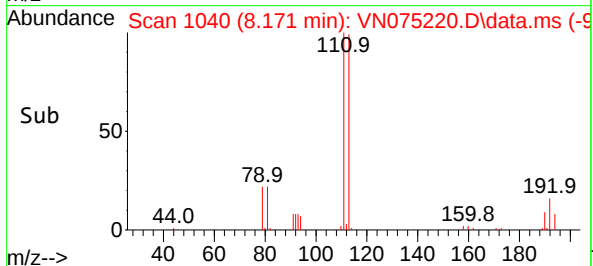
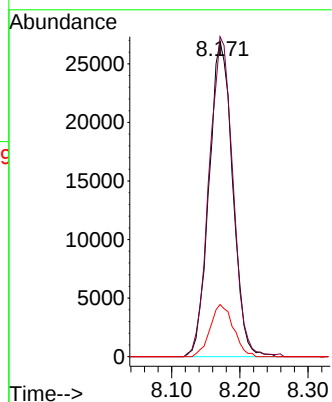
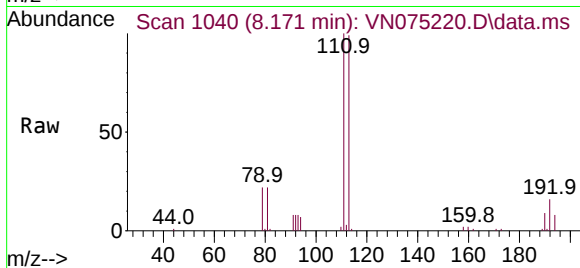
Tgt Ion:113 Resp: 64801

Ion Ratio Lower Upper

113 100

111 102.5 80.5 120.7

192 16.3 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.889 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.141 min

Lab File: VN075220.D

Acq: 09 Nov 2022 16:17

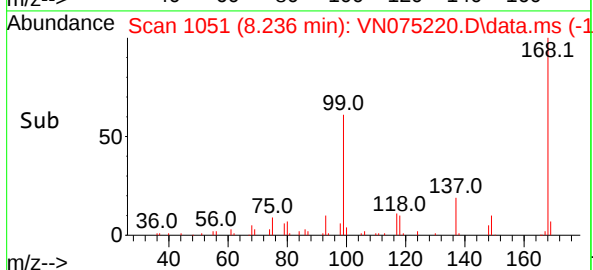
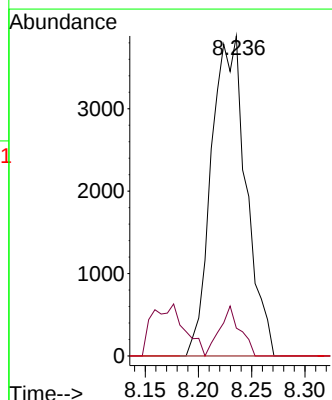
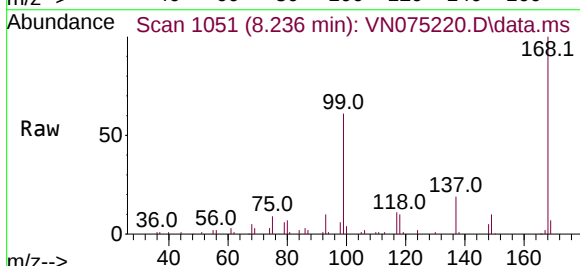
Tgt Ion: 75 Resp: 8792

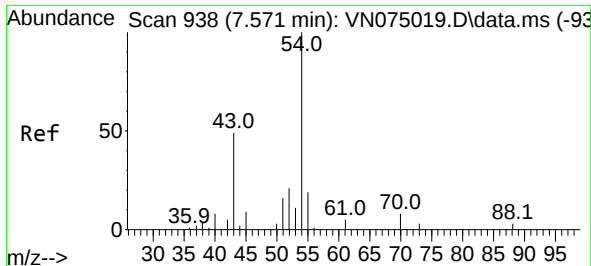
Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.3#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 9.266 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

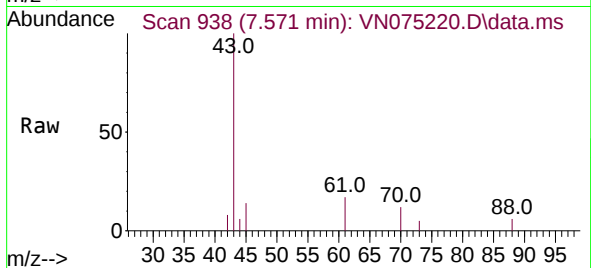
Lab File: VN075220.D

Acq: 09 Nov 2022 16:17

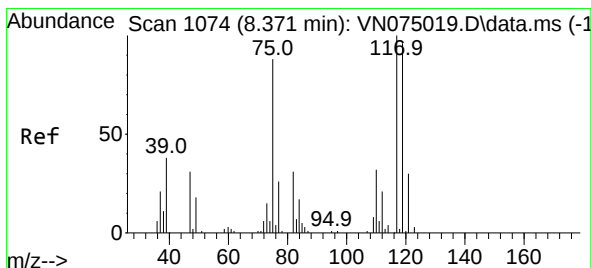
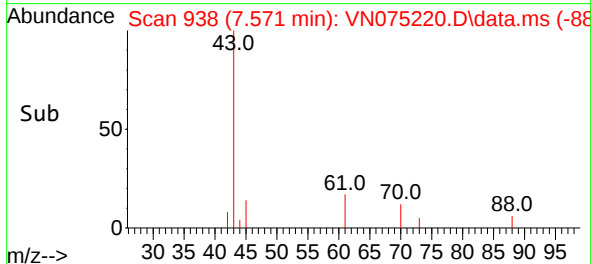
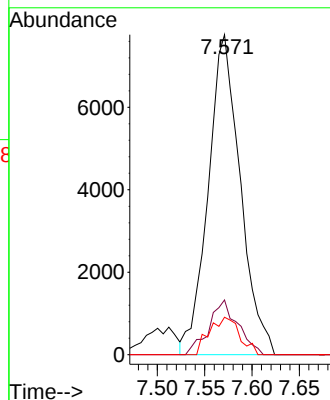
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	18273
Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.2	18.4
70	11.0	9.4	14.2



#38

Carbon Tetrachloride

Concen: 5.724 ug/l

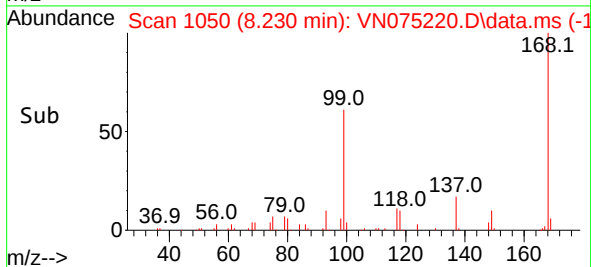
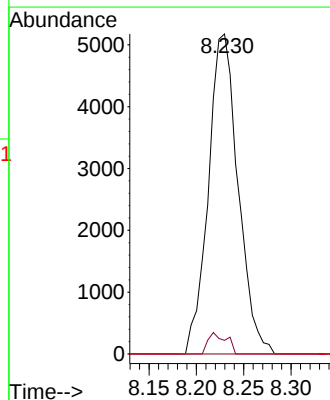
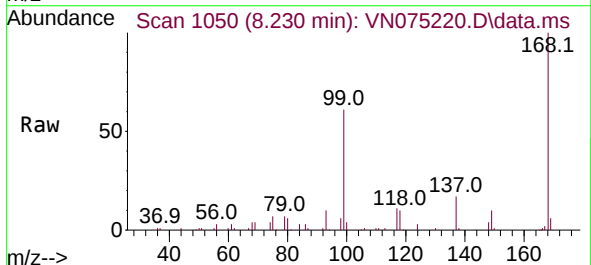
RT: 8.230 min Scan# 1050

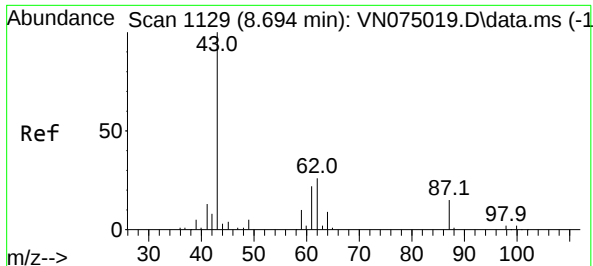
Delta R.T. -0.141 min

Lab File: VN075220.D

Acq: 09 Nov 2022 16:17

Tgt Ion:	117	Resp:	11323
Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.7	115.1#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 25.929 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075220.D

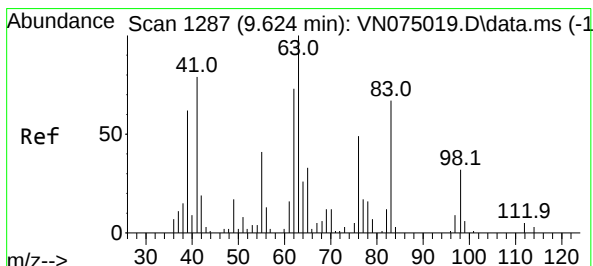
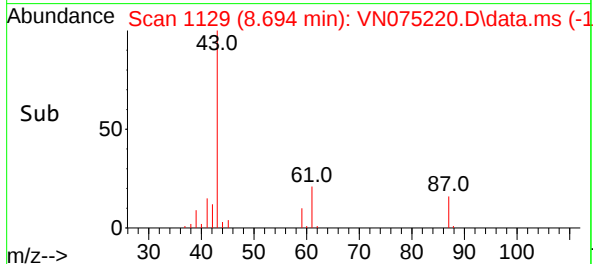
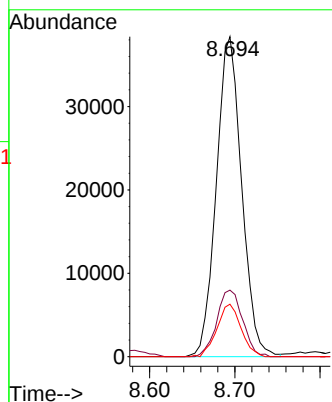
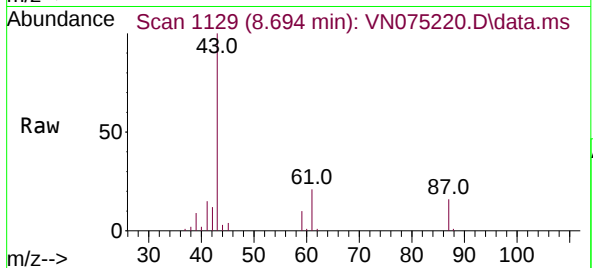
Acq: 09 Nov 2022 16:17

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 79318
Ion Ratio	Lower Upper
43	100
61	21.2 22.4 33.6#
87	15.6 12.5 18.7



#45

1,2-Dichloropropane

Concen: 0.818 ug/l

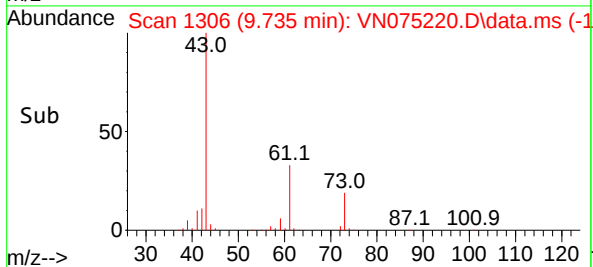
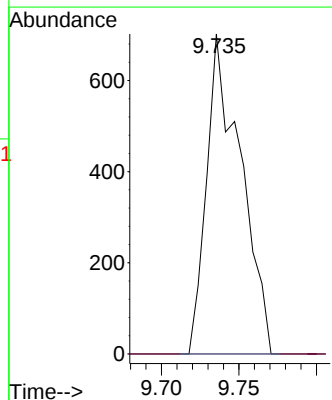
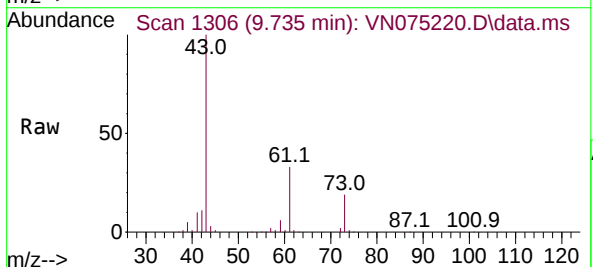
RT: 9.735 min Scan# 1306

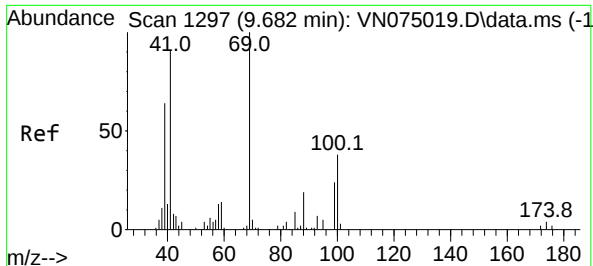
Delta R.T. 0.111 min

Lab File: VN075220.D

Acq: 09 Nov 2022 16:17

Tgt Ion: 63	Resp: 1072
Ion Ratio	Lower Upper
63	100
65	0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 52.740 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN075220.D

Acq: 09 Nov 2022 16:17

Instrument :

MSVOA_N

ClientSampleId :

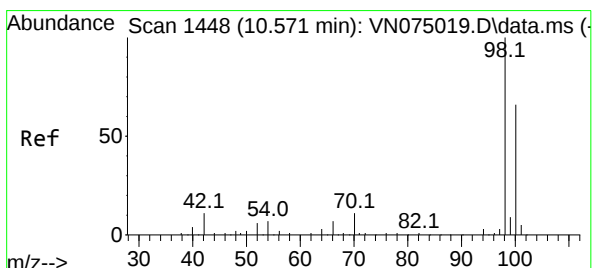
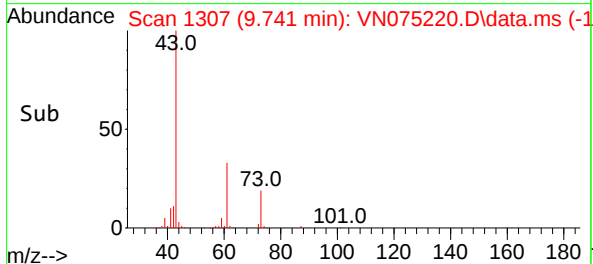
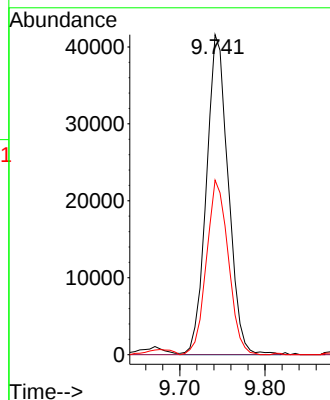
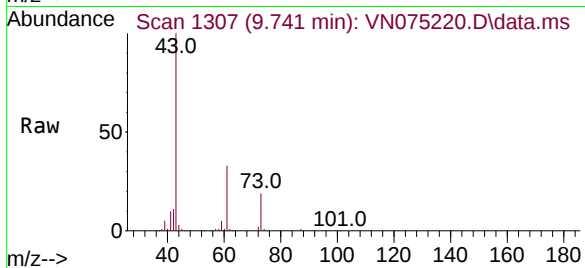
Tgt Ion: 41 Resp: 74005

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 54.6 56.2 84.2#



#50

Toluene-d8

Concen: 53.090 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075220.D

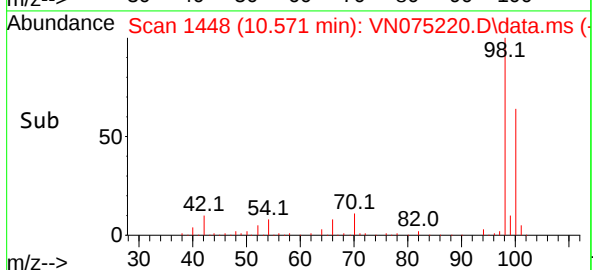
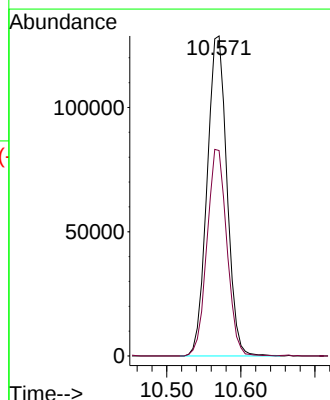
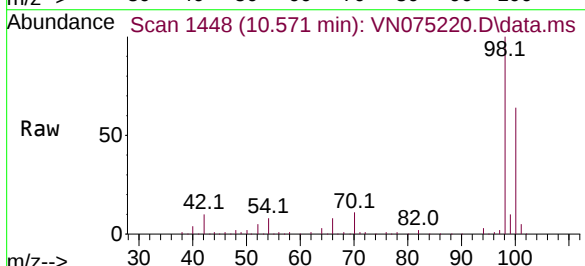
Acq: 09 Nov 2022 16:17

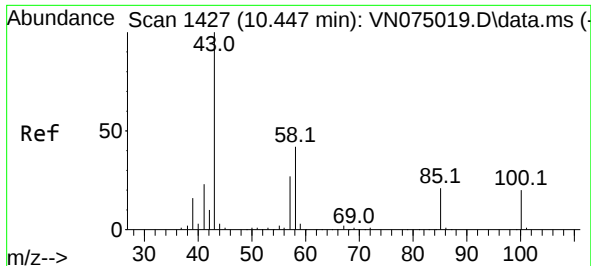
Tgt Ion: 98 Resp: 239244

Ion Ratio Lower Upper

98 100

100 64.6 53.0 79.6

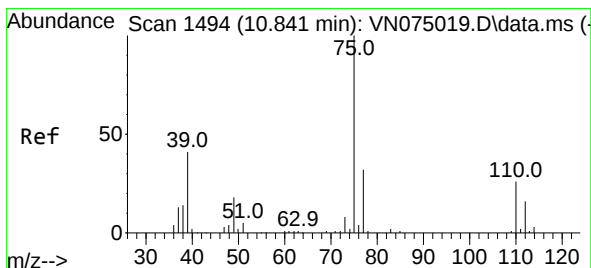
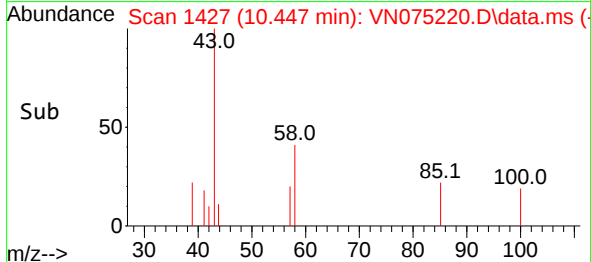
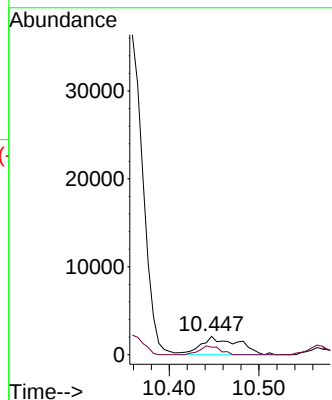
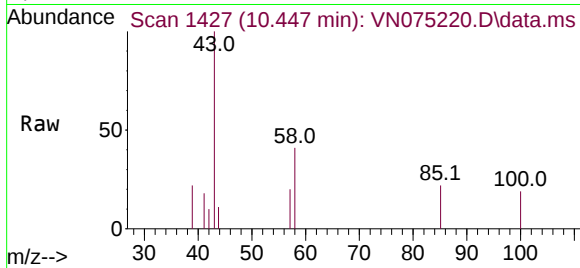




#51
4-Methyl-2-Pentanone
Concen: 2.960 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075220.D
Acq: 09 Nov 2022 16:17

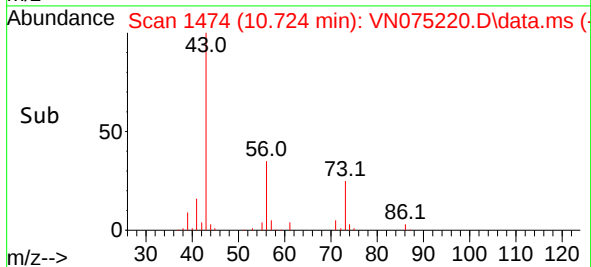
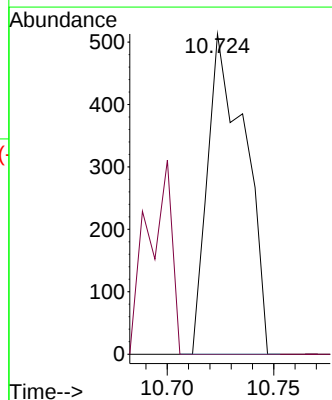
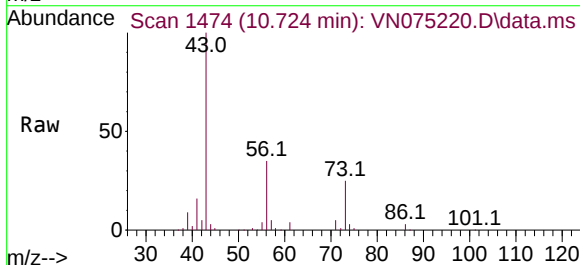
Instrument :
MSVOA_N
ClientSampleId :

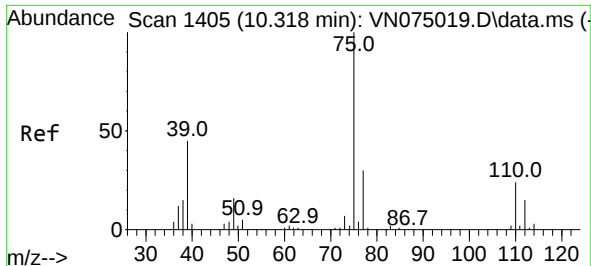
Tgt Ion: 43 Resp: 5843
Ion Ratio Lower Upper
43 100
58 26.6 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.301 ug/l
RT: 10.724 min Scan# 1474
Delta R.T. -0.117 min
Lab File: VN075220.D
Acq: 09 Nov 2022 16:17

Tgt Ion: 75 Resp: 628
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

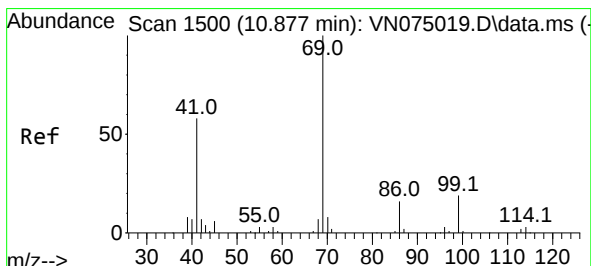
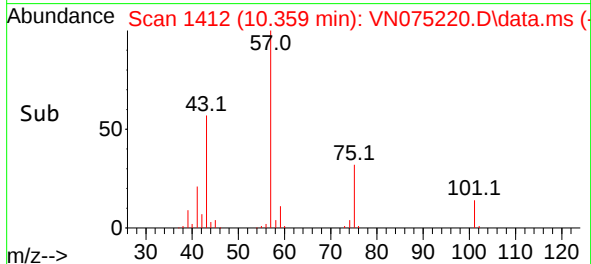
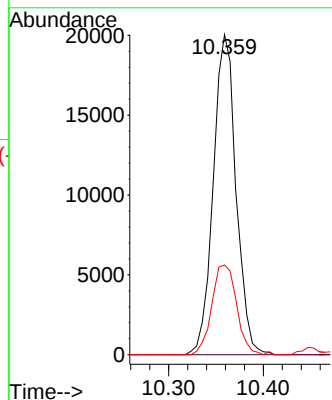
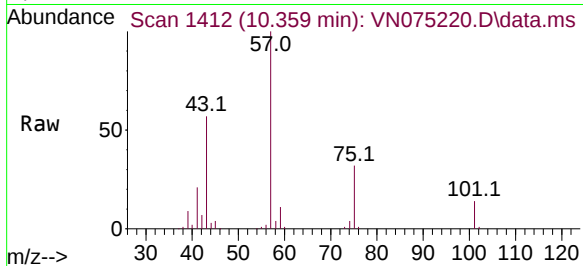




#54
 cis-1,3-Dichloropropene
 Concen: 15.129 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075220.D
 Acq: 09 Nov 2022 16:17

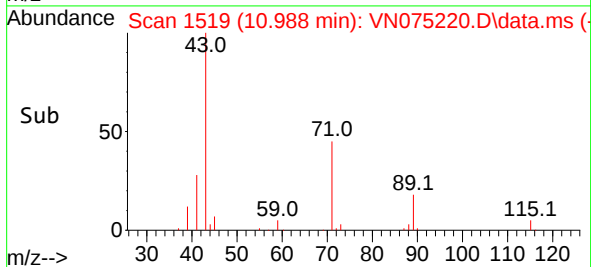
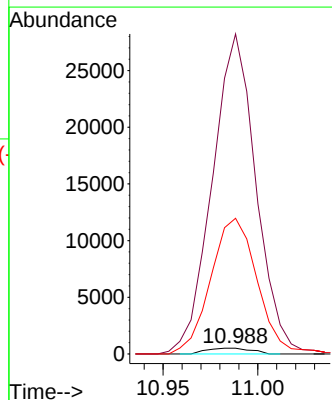
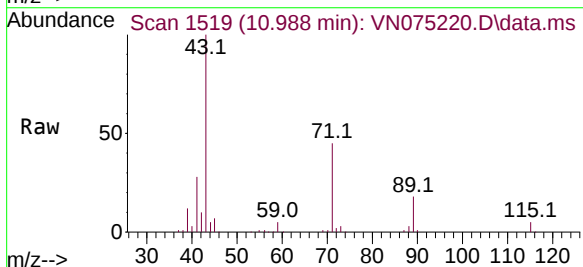
Instrument :
 MSVOA_N
 ClientSampleId :

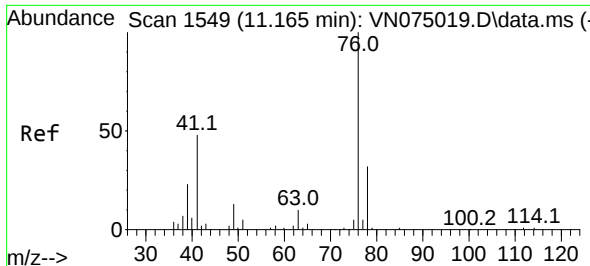
Tgt Ion: 75 Resp: 33484
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 28.0 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.373 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075220.D
 Acq: 09 Nov 2022 16:17

Tgt Ion: 69 Resp: 830
 Ion Ratio Lower Upper
 69 100
 41 5509.4 45.6 68.4#
 39 2479.2 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.917 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075220.D

Acq: 09 Nov 2022 16:17

Instrument :

MSVOA_N

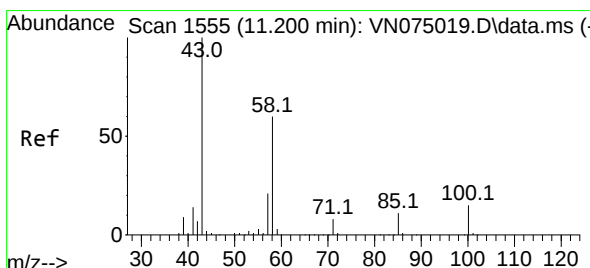
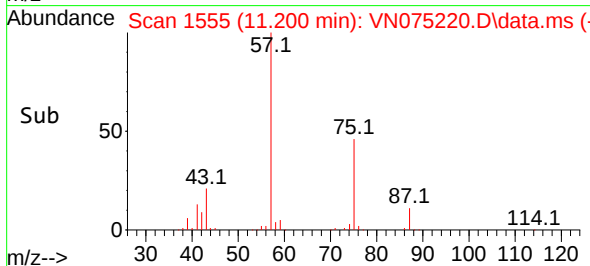
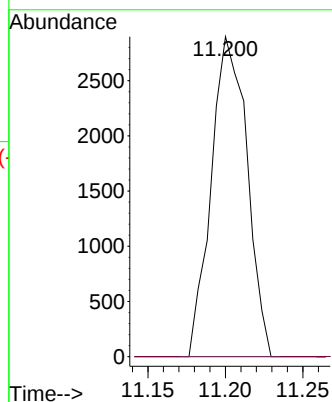
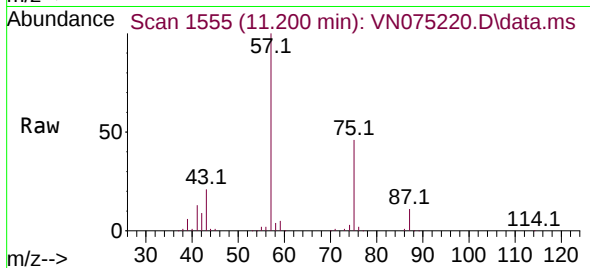
ClientSampleId :

Tgt Ion: 76 Resp: 4658

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 34.267 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VN075220.D

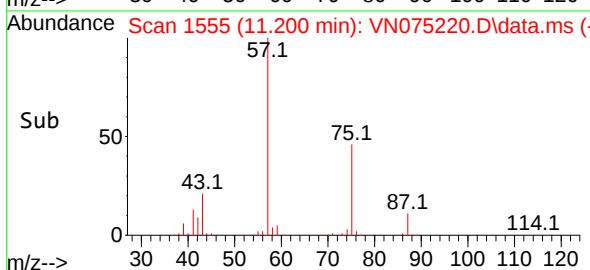
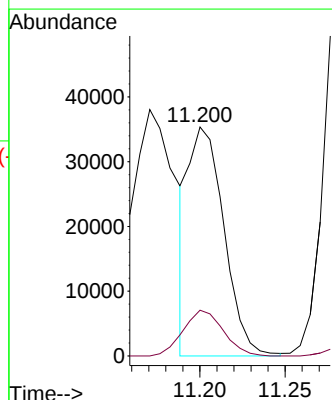
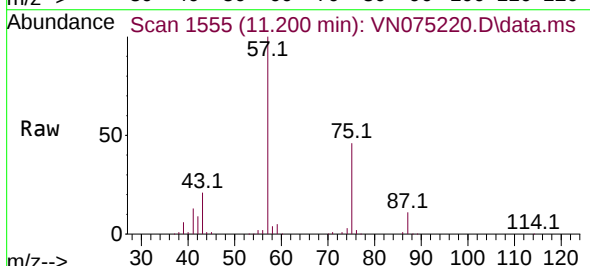
Acq: 09 Nov 2022 16:17

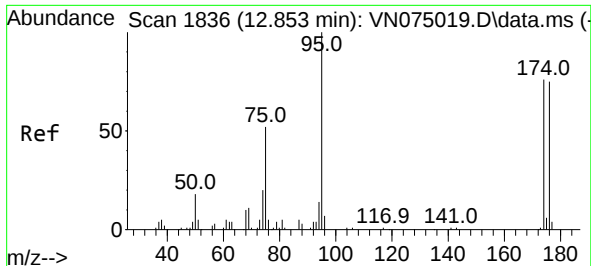
Tgt Ion: 43 Resp: 51338

Ion Ratio Lower Upper

43 100

58 22.6 29.6 88.8#





#62

4-Bromofluorobenzene

Concen: 52.339 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.006 min

Lab File: VN075220.D

Acq: 09 Nov 2022 16:17

Instrument :

MSVOA_N

ClientSampleId :

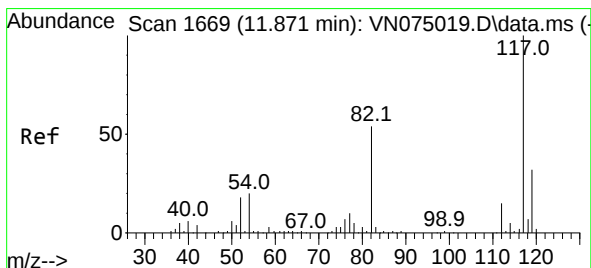
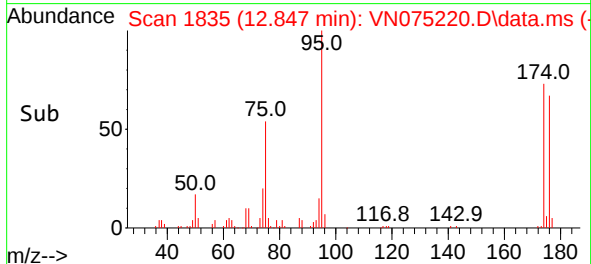
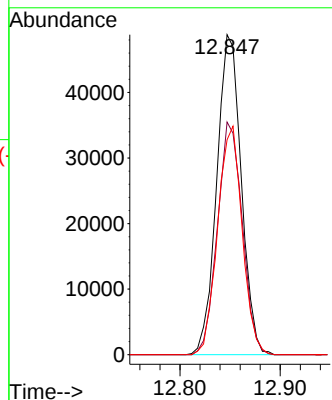
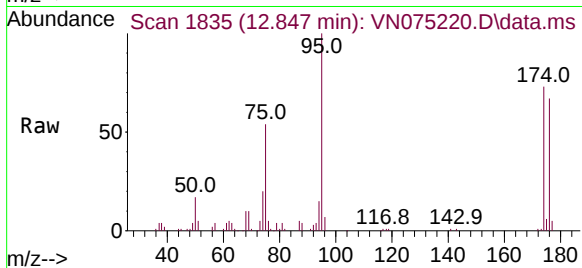
Tgt Ion: 95 Resp: 82853

Ion Ratio Lower Upper

95 100

174 73.7 0.0 147.4

176 71.4 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: VN075220.D

Acq: 09 Nov 2022 16:17

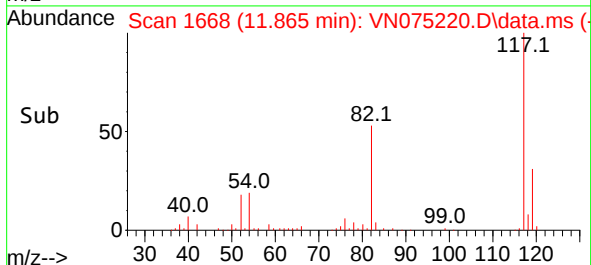
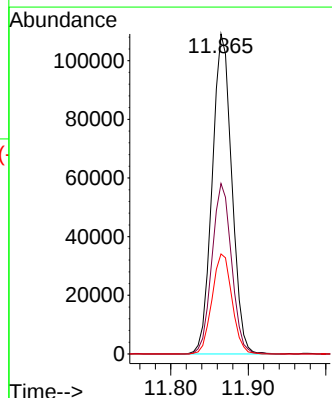
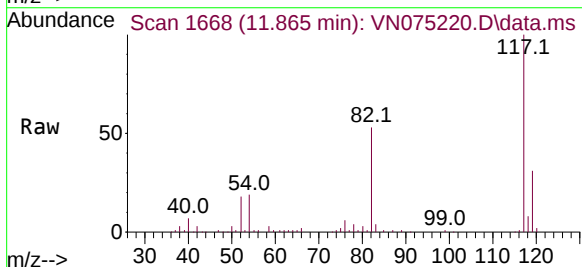
Tgt Ion: 117 Resp: 191381

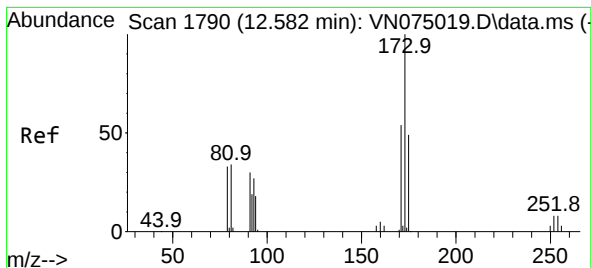
Ion Ratio Lower Upper

117 100

82 53.3 43.1 64.7

119 31.2 25.5 38.3





#71

Bromoform

Concen: 0.686 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN075220.D

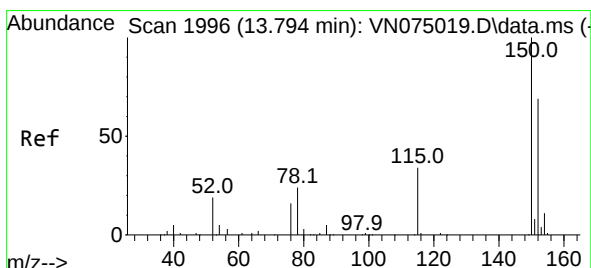
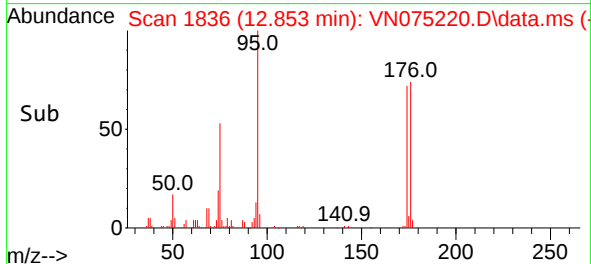
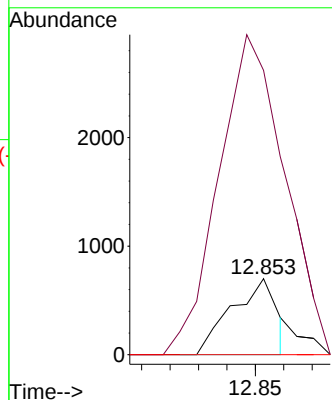
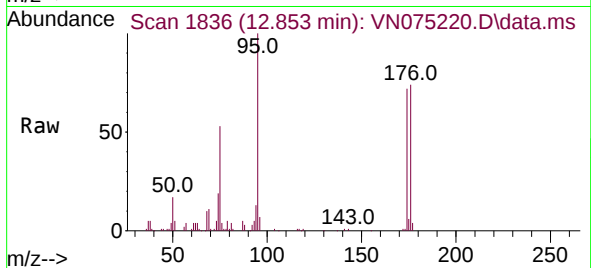
Acq: 09 Nov 2022 16:17

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	173	Resp:	778
Ion Ratio	Lower	Upper	
173	100		
175	530.7	24.6	74.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

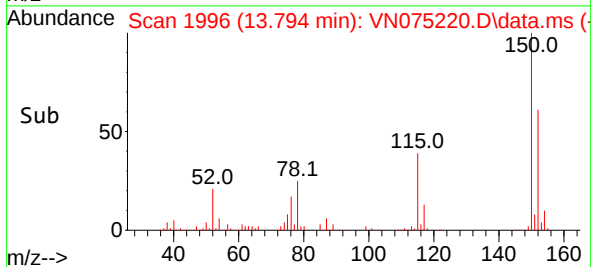
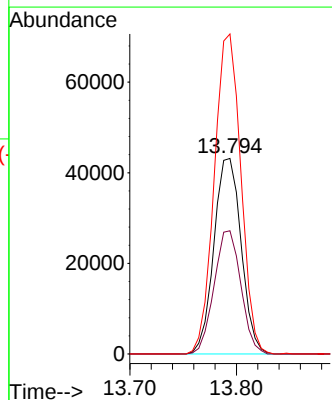
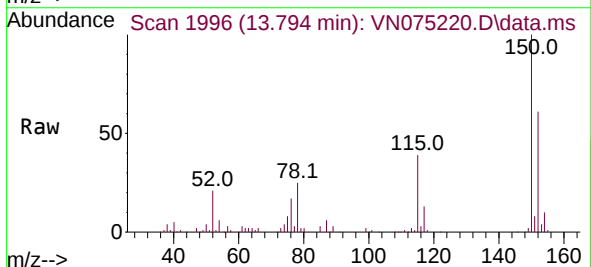
RT: 13.794 min Scan# 1996

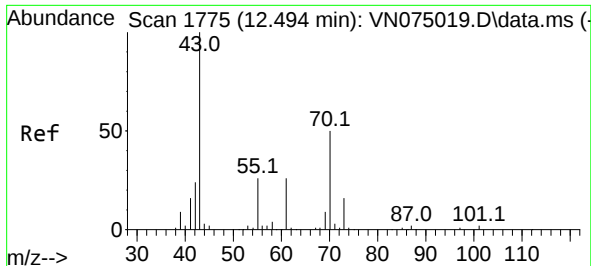
Delta R.T. -0.000 min

Lab File: VN075220.D

Acq: 09 Nov 2022 16:17

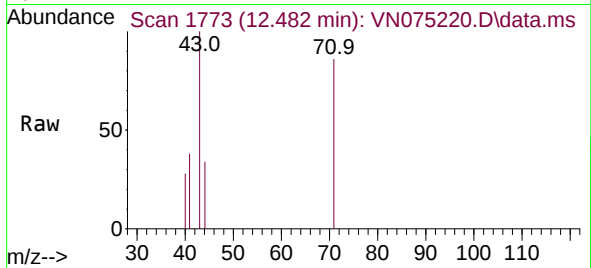
Tgt Ion:	152	Resp:	76705
Ion Ratio	Lower	Upper	
152	100		
115	61.8	30.2	90.6
150	159.5	0.0	348.4





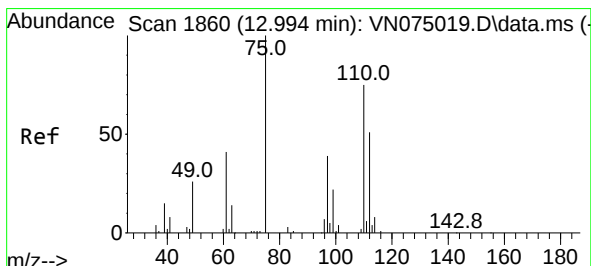
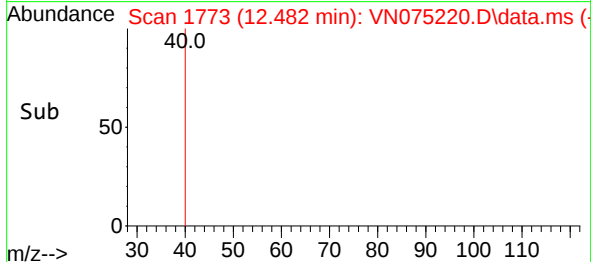
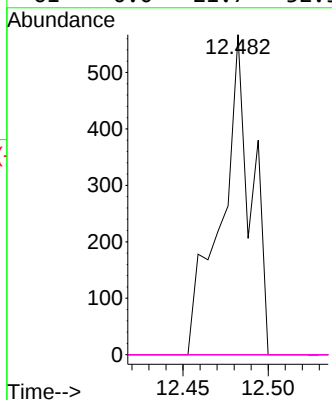
#74
N-amy1 acetate
Concen: 0.307 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075220.D
Acq: 09 Nov 2022 16:17

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 699

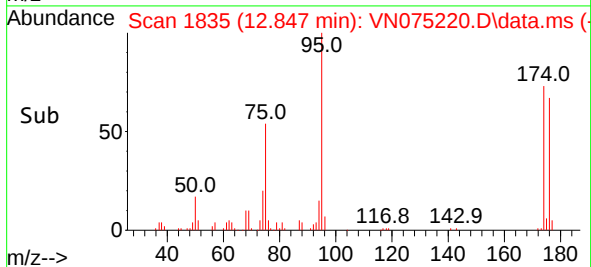
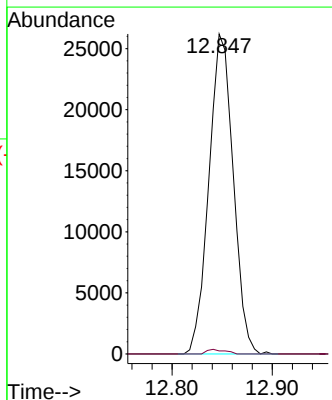
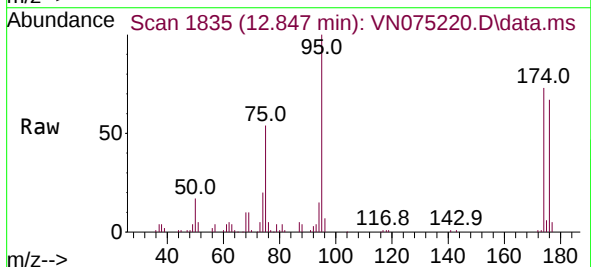
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.8	59.8#
55	0.0	19.9	29.9#
61	0.0	21.7	32.5#

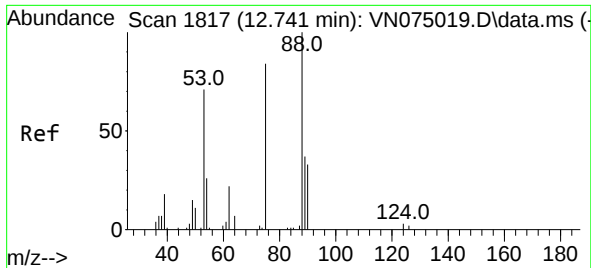


#76
1,2,3-Trichloropropane
Concen: 27.165 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075220.D
Acq: 09 Nov 2022 16:17

Tgt Ion: 75 Resp: 44242

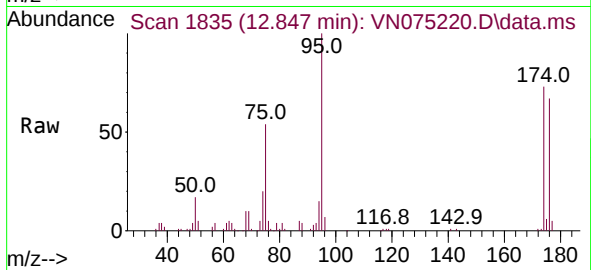
Ion	Ratio	Lower	Upper
75	100		
77	1.1	75.6	226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.732 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN075220.D
 Acq: 09 Nov 2022 16:17

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 44242

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.5	117.7#
89	0.0	37.7	56.5#

