

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120822\
 Data File : VN075647.D
 Acq On : 08 Dec 2022 14:56
 Operator : JC\MD
 Sample : N5924-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF1222

Quant Time: Dec 09 02:07:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

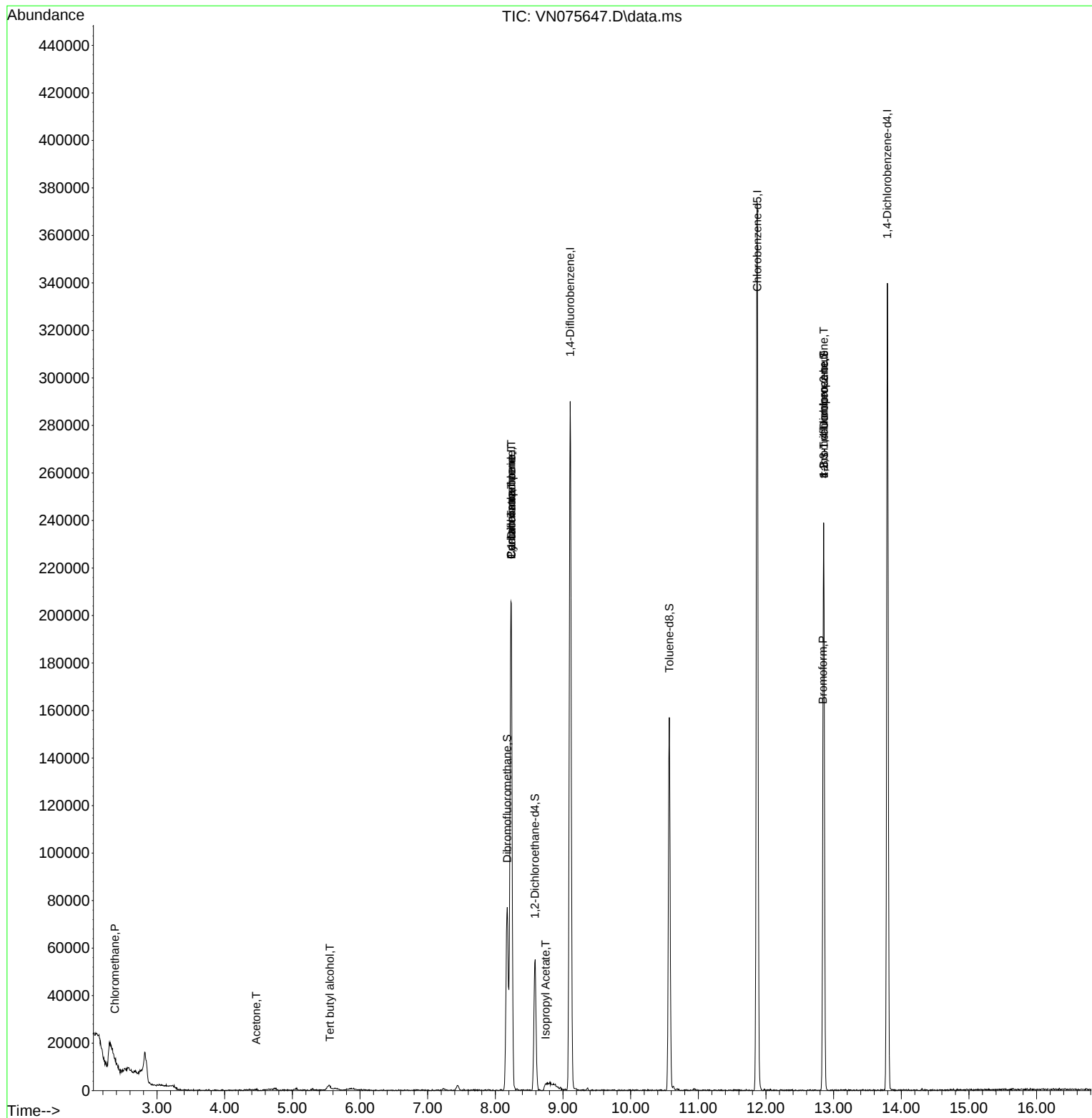
Internal Standards						
1) Pentafluorobenzene	8.235	168	165635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	269600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	232593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	44641	50.209	ug/l	0.00
Spiked Amount 50.000	Range 74	- 125	Recovery	= 100.420%		
35) Dibromofluoromethane	8.177	113	57385	54.184	ug/l	0.00
Spiked Amount 50.000	Range 75	- 124	Recovery	= 108.360%		
50) Toluene-d8	10.571	98	113615	47.631	ug/l	0.00
Spiked Amount 50.000	Range 86	- 113	Recovery	= 95.260%		
62) 4-Bromofluorobenzene	12.853	95	79216	44.993	ug/l	0.00
Spiked Amount 50.000	Range 83	- 123	Recovery	= 89.980%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	397	0.252	ug/l #	42
11) Tert butyl alcohol	5.553	59	3954	10.594	ug/l #	80
16) Acetone	4.465	43	968	1.167	ug/l #	43
18) Methyl Acetate	5.053	43	1599	Below Cal	#	63
20) Methylene Chloride	5.289	84	281	Below Cal	#	30
31) Cyclohexane	8.235	56	2895	1.025	ug/l #	6
36) 1,1-Dichloropropene	8.235	75	11217	4.857	ug/l #	50
38) Carbon Tetrachloride	8.235	117	15113	5.957	ug/l #	16
43) Isopropyl Acetate	8.741	43	2446	0.733	ug/l #	53
71) Bromoform	12.841	173	538	0.394	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	40841	22.237	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	40841	65.793	ug/l #	10

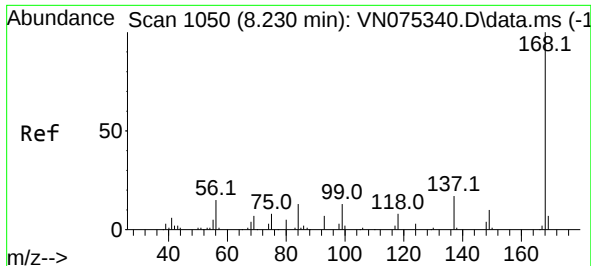
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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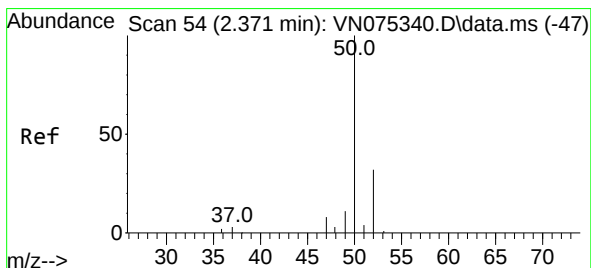
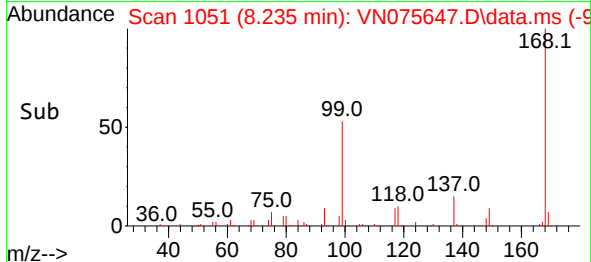
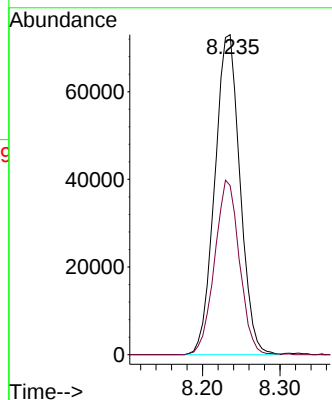
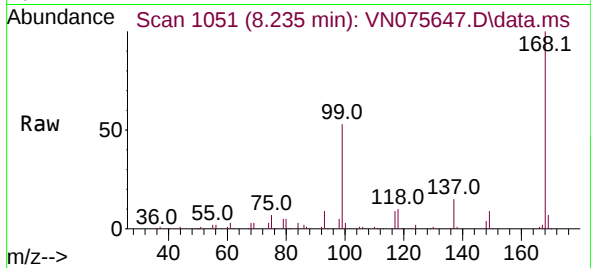




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

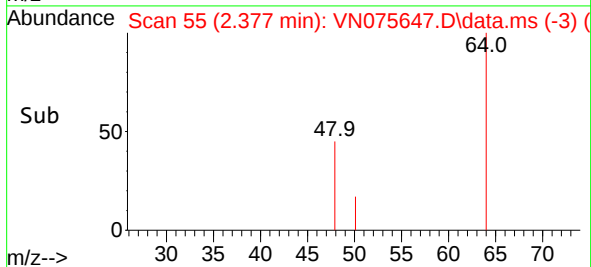
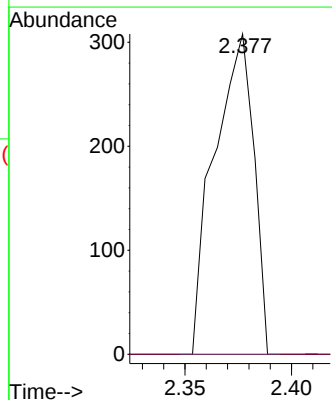
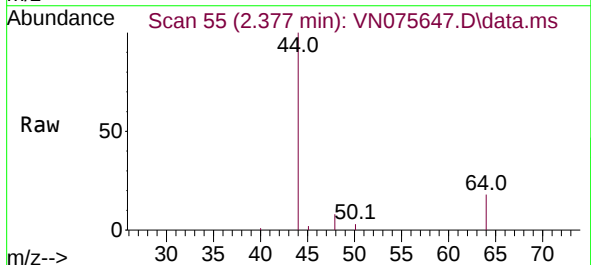
Instrument :
MSVOA_N
ClientSampleId :
EFF1222

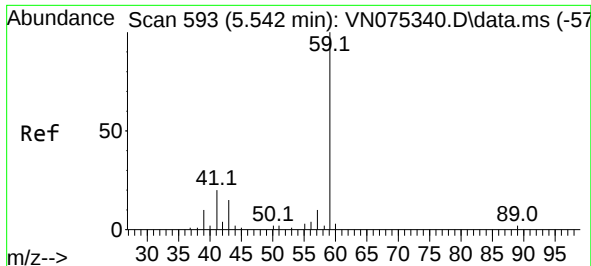
Tgt Ion:168 Resp: 165635
Ion Ratio Lower Upper
168 100
99 52.9 51.6 77.4



#3
Chloromethane
Concen: 0.252 ug/l
RT: 2.377 min Scan# 55
Delta R.T. 0.006 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

Tgt Ion: 50 Resp: 397
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

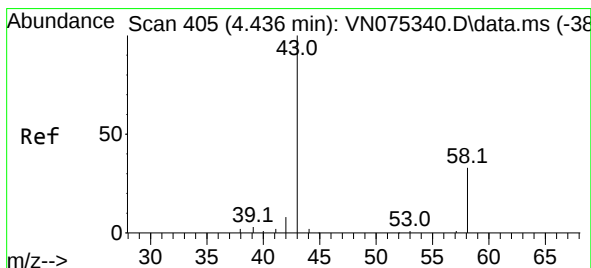
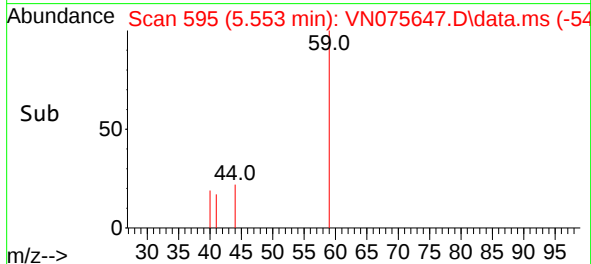
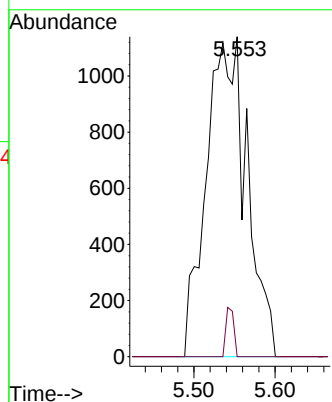
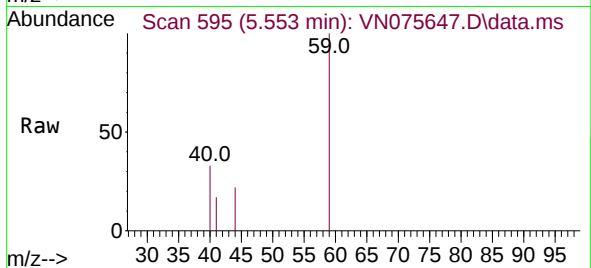




#11
Tert butyl alcohol
Concen: 10.594 ug/l
RT: 5.553 min Scan# 59
Delta R.T. 0.011 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

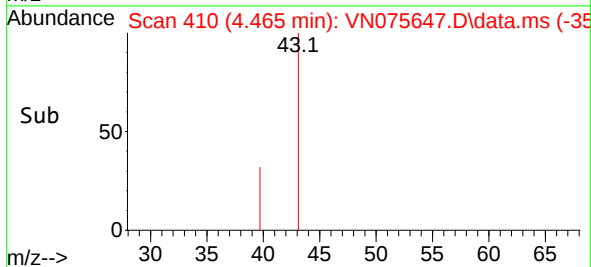
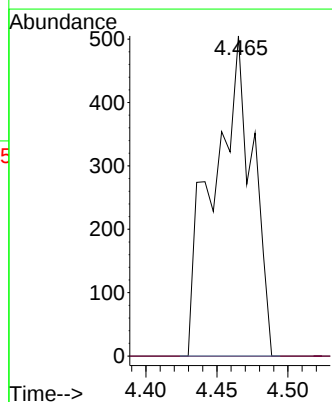
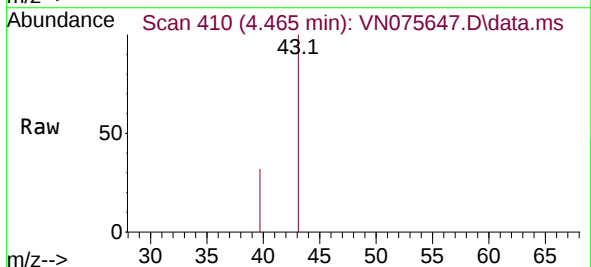
Instrument :
MSVOA_N
ClientSampleId :
EFF1222

Tgt Ion: 59 Resp: 3954
Ion Ratio Lower Upper
59 100
57 3.0 8.5 12.7#



#16
Acetone
Concen: 1.167 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.029 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#

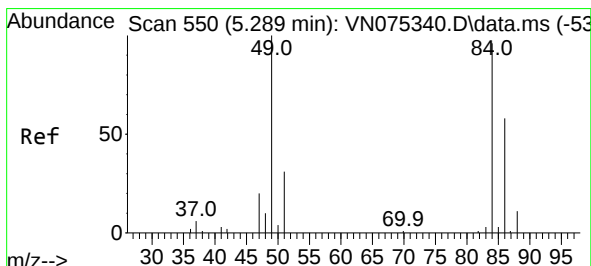
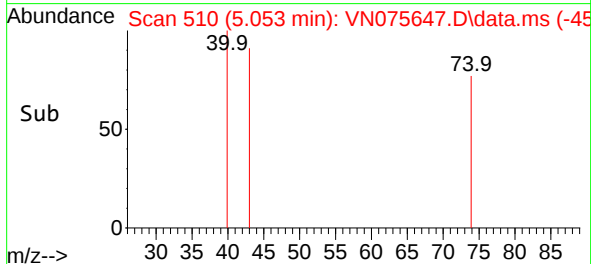
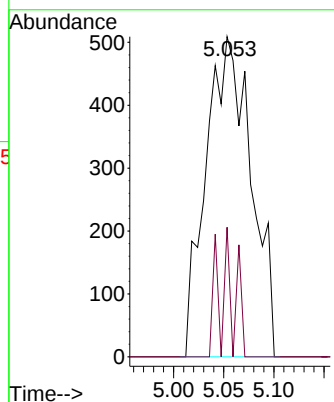
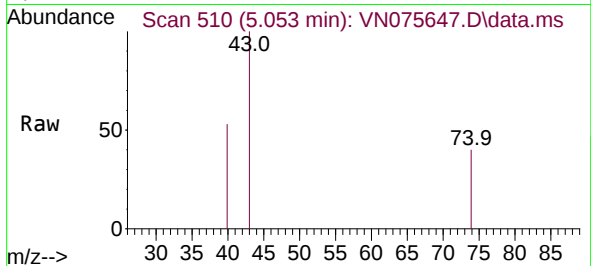




#18
Methyl Acetate
Concen: Below Cal
RT: 5.053 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

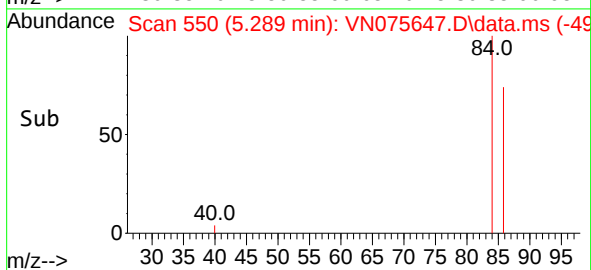
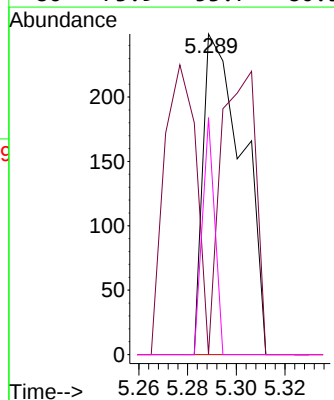
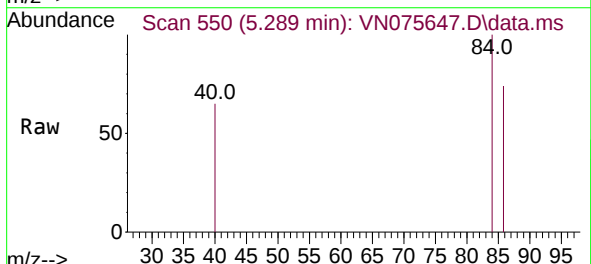
Instrument :
MSVOA_N
ClientSampleId :
EFF1222

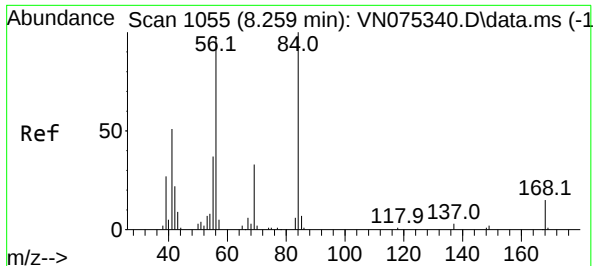
Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
74 8.4 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

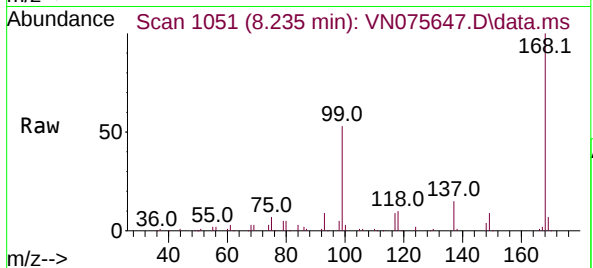
Tgt Ion: 84 Resp: 281
Ion Ratio Lower Upper
84 100
49 0.0 94.9 142.3#
51 0.0 26.8 40.2#
86 73.9 53.7 80.5



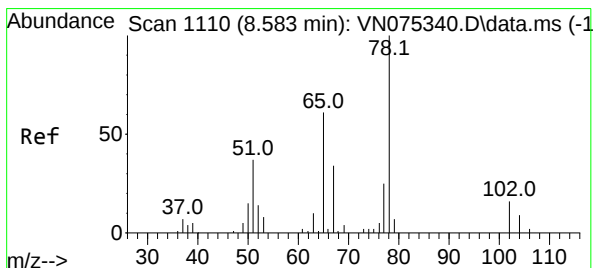
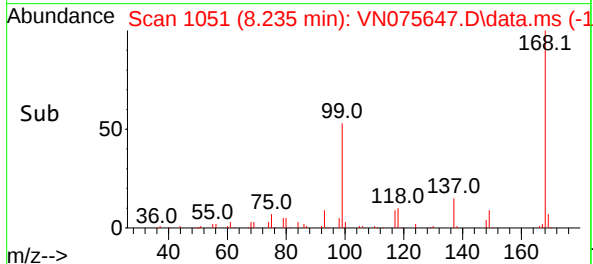
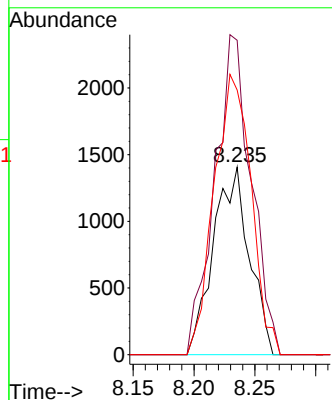


#31
Cyclohexane
Concen: 1.025 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

Instrument :
MSVOA_N
ClientSampleId :
EFF1222

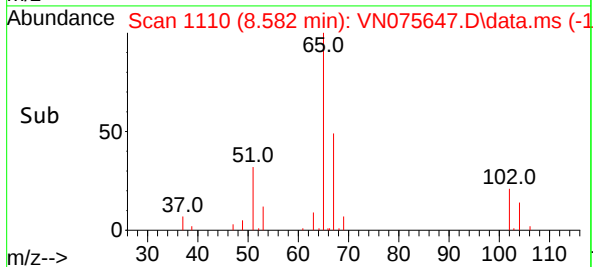
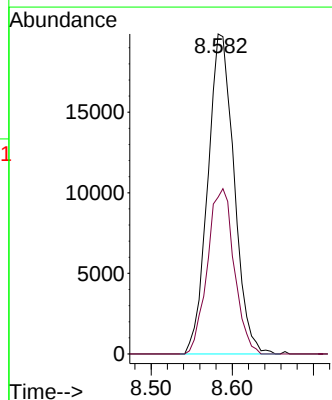
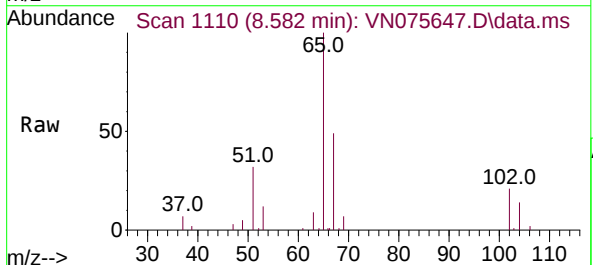


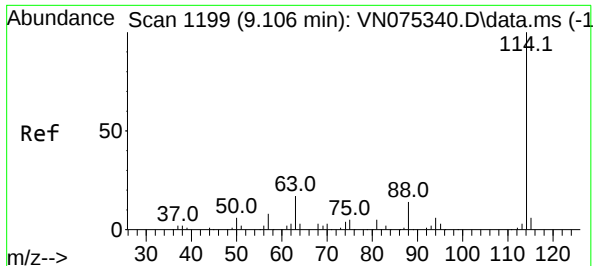
Tgt Ion: 56 Resp: 2895
Ion Ratio Lower Upper
56 100
69 167.6 25.2 37.8#
84 141.1 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 50.209 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

Tgt Ion: 65 Resp: 44641
Ion Ratio Lower Upper
65 100
67 52.4 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: VN075647.D

Acq: 08 Dec 2022 14:56

Instrument :

MSVOA_N

ClientSampleId :

EFF1222

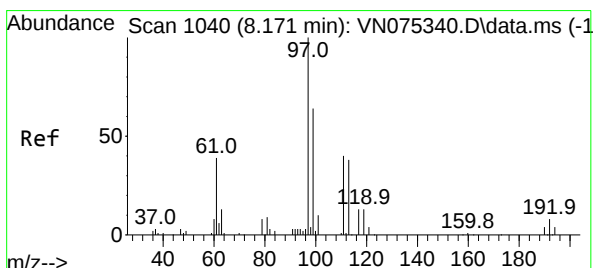
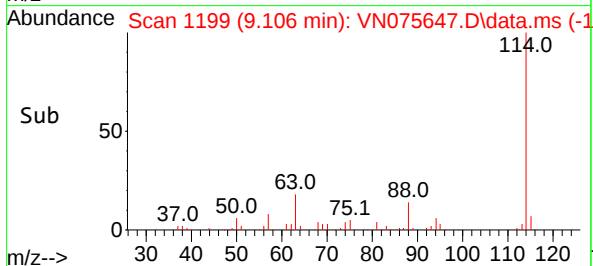
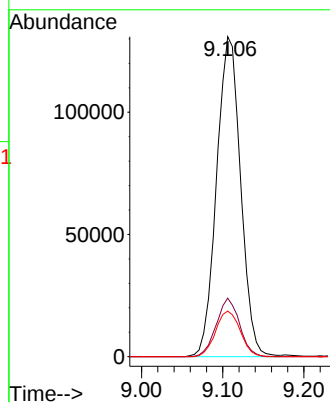
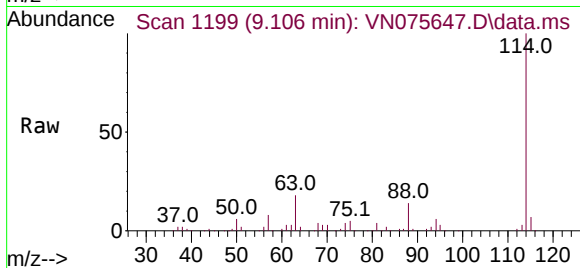
Tgt Ion:114 Resp: 269600

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 14.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 54.184 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075647.D

Acq: 08 Dec 2022 14:56

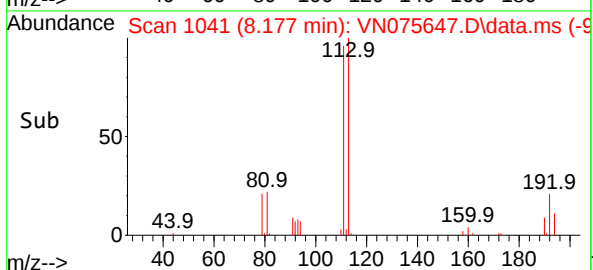
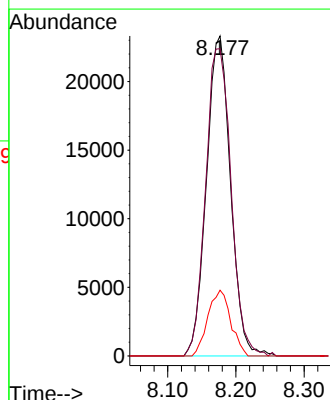
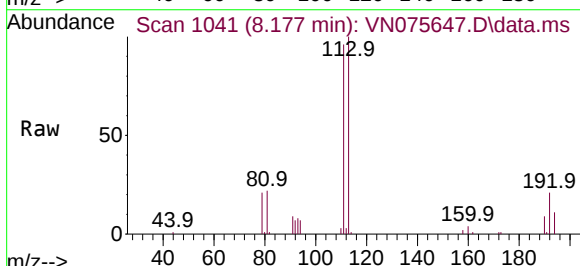
Tgt Ion:113 Resp: 57385

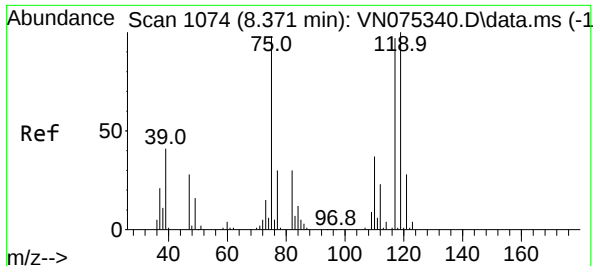
Ion Ratio Lower Upper

113 100

111 101.6 80.5 120.7

192 19.5 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.857 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.136 min

Lab File: VN075647.D

Acq: 08 Dec 2022 14:56

Instrument :

MSVOA_N

ClientSampleId :

EFF1222

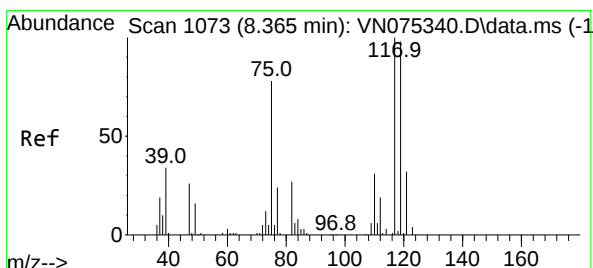
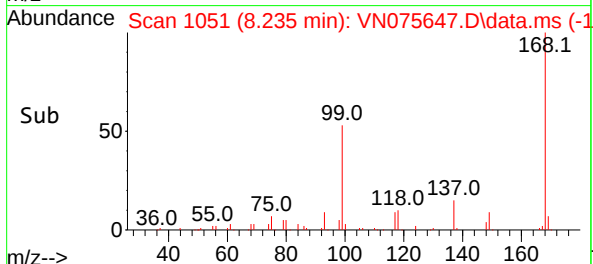
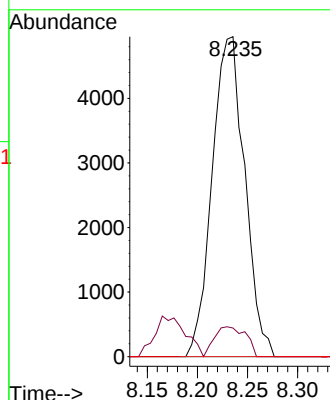
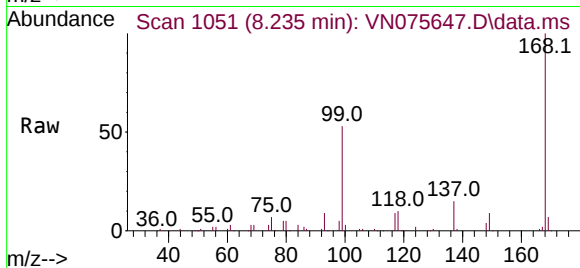
Tgt Ion: 75 Resp: 11217

Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.957 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.130 min

Lab File: VN075647.D

Acq: 08 Dec 2022 14:56

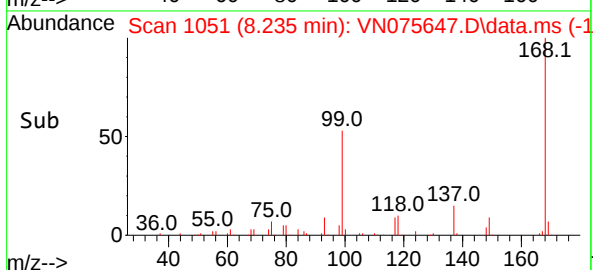
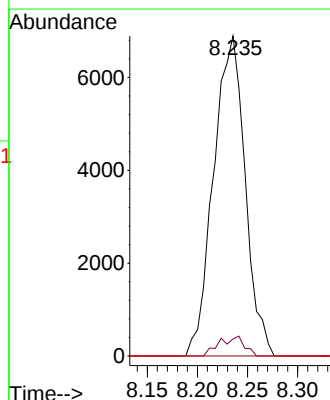
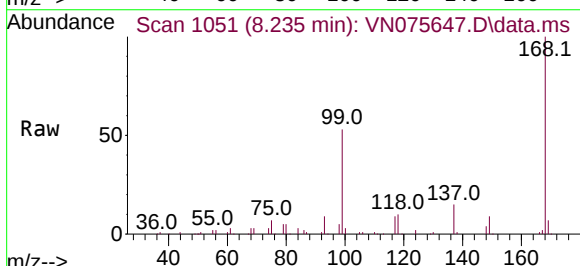
Tgt Ion: 117 Resp: 15113

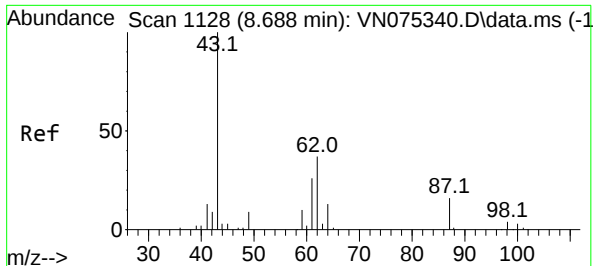
Ion Ratio Lower Upper

117 100

119 5.3 76.7 115.1#

121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 0.733 ug/l

RT: 8.741 min Scan# 1128

Delta R.T. 0.053 min

Lab File: VN075647.D

Acq: 08 Dec 2022 14:56

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EFF1222

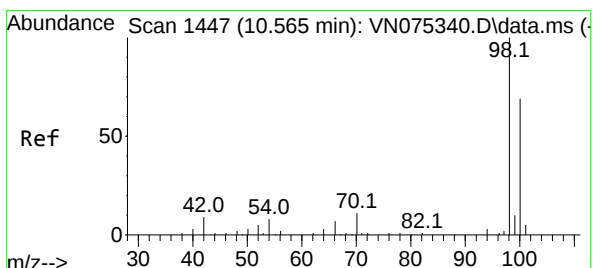
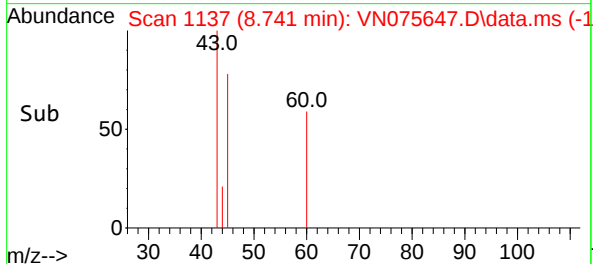
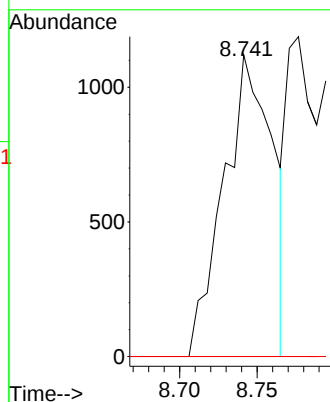
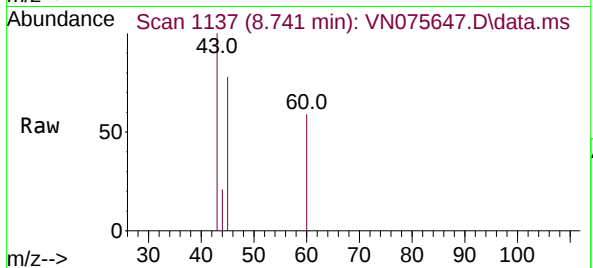
Tgt Ion: 43 Resp: 2446

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#



#50

Toluene-d8

Concen: 47.631 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075647.D

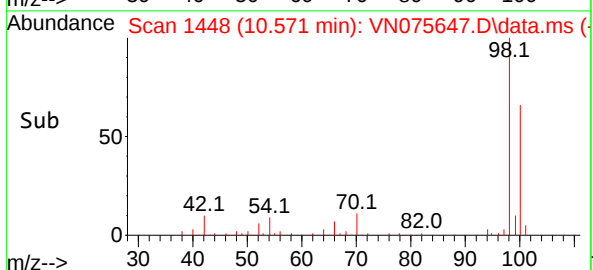
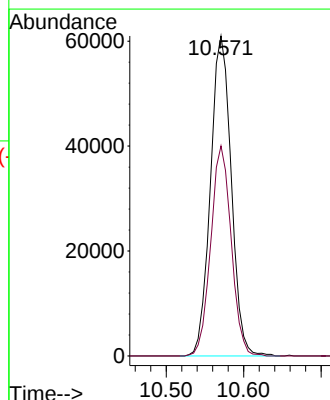
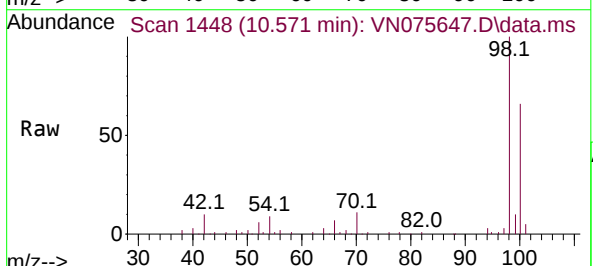
Acq: 08 Dec 2022 14:56

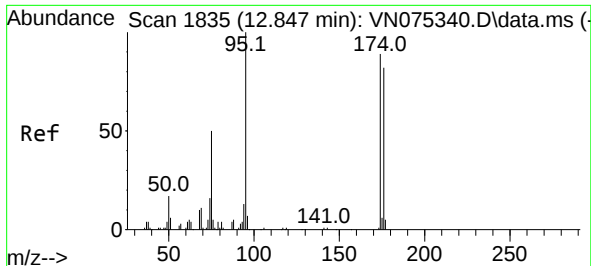
Tgt Ion: 98 Resp: 113615

Ion Ratio Lower Upper

98 100

100 64.5 53.0 79.6

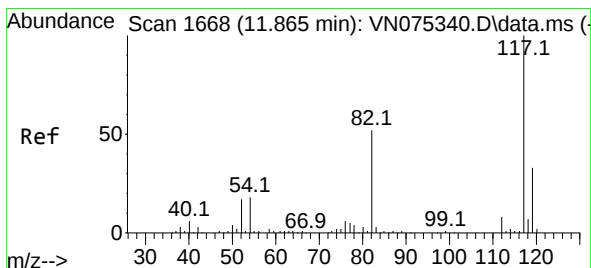
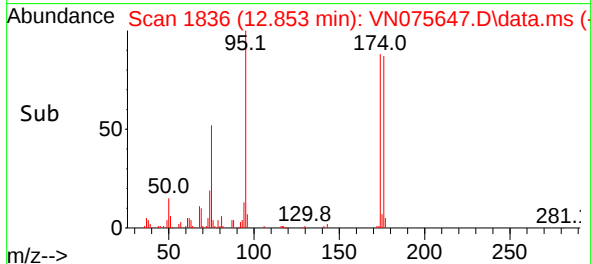
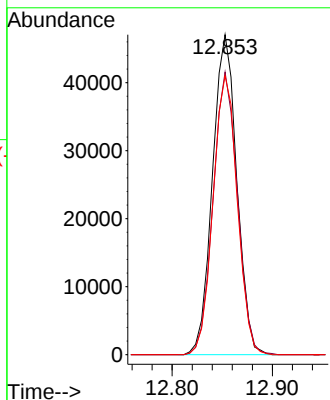
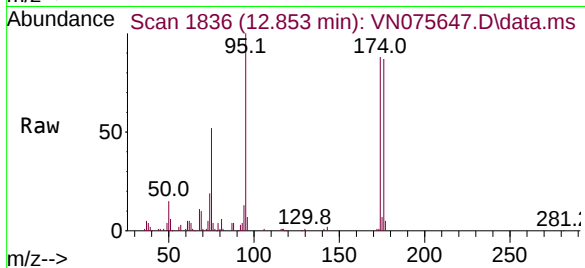




#62
4-Bromofluorobenzene
Concen: 44.993 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

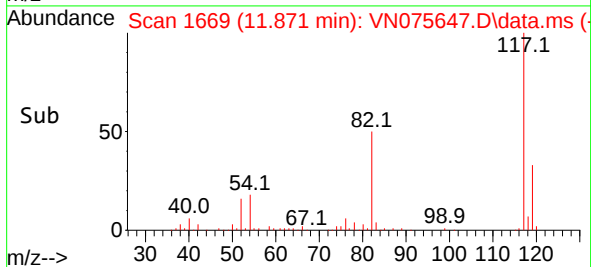
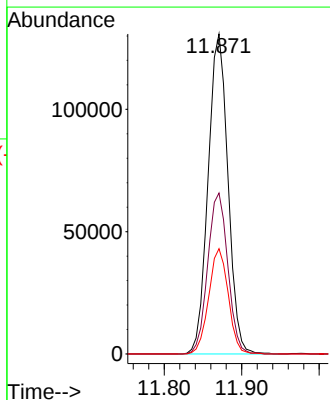
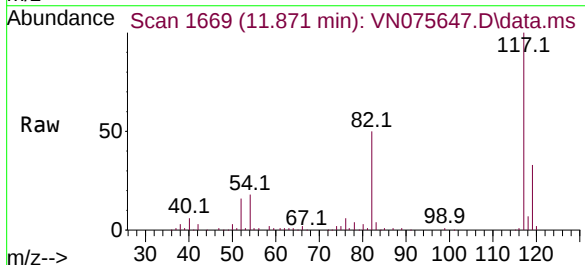
Instrument :
MSVOA_N
ClientSampleId :
EFF1222

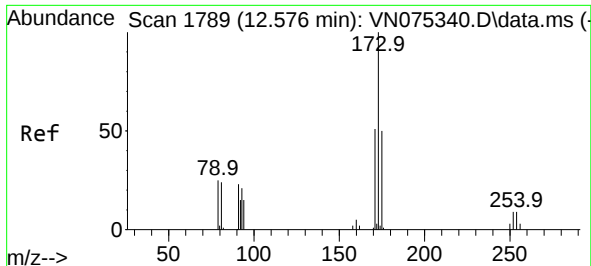
Tgt Ion: 95 Resp: 79216
Ion Ratio Lower Upper
95 100
174 88.1 0.0 147.4
176 86.9 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

Tgt Ion: 117 Resp: 232593
Ion Ratio Lower Upper
117 100
82 50.3 43.1 64.7
119 32.9 25.5 38.3

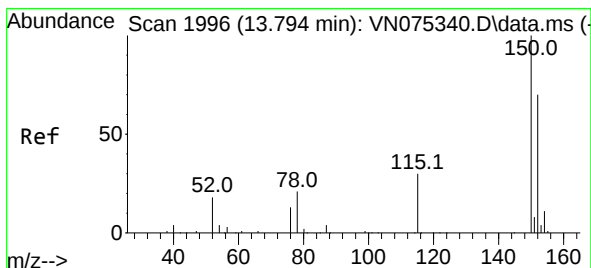
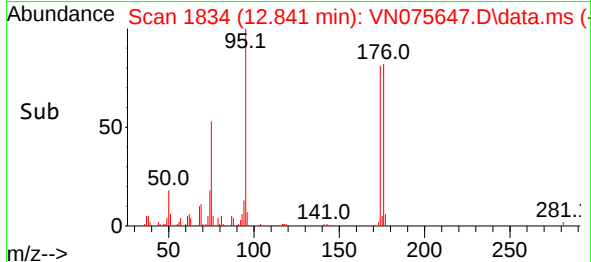
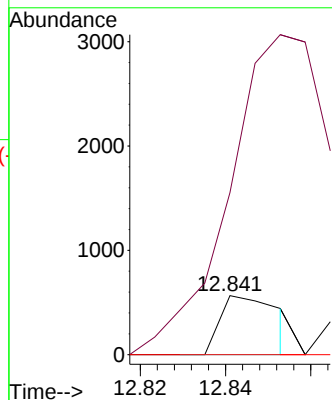
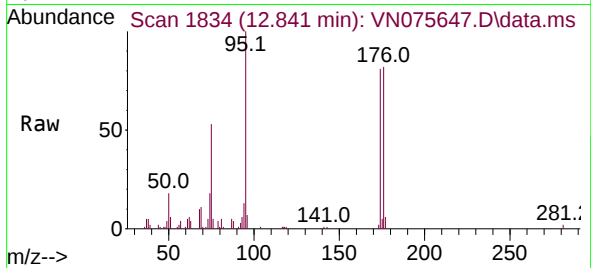




#71
Bromoform
Concen: 0.394 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

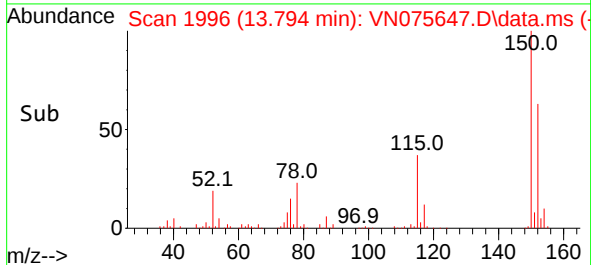
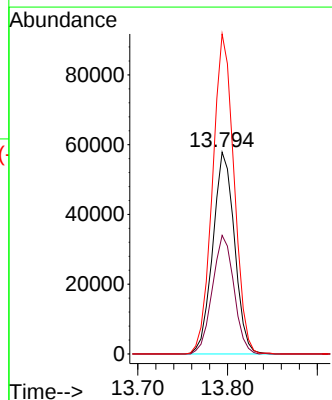
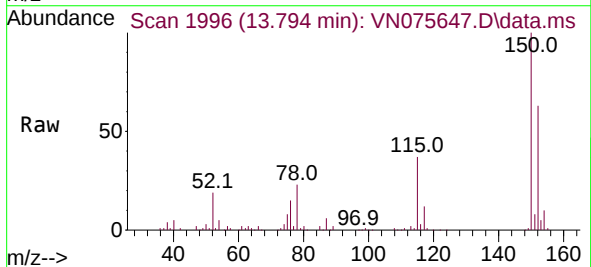
Instrument :
MSVOA_N
ClientSampleId :
EFF1222

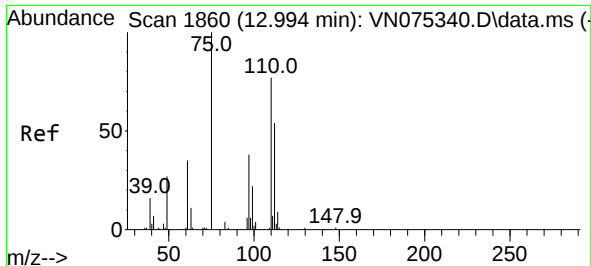
Tgt Ion:173 Resp: 538
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

Tgt Ion:152 Resp: 97140
Ion Ratio Lower Upper
152 100
115 58.3 30.2 90.6
150 157.0 0.0 348.4

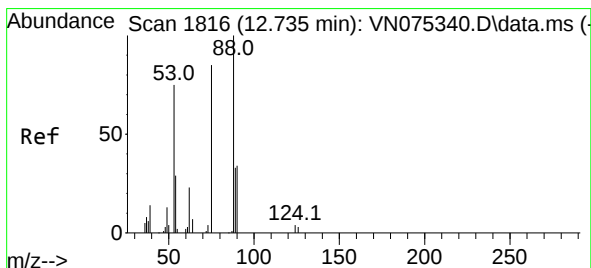
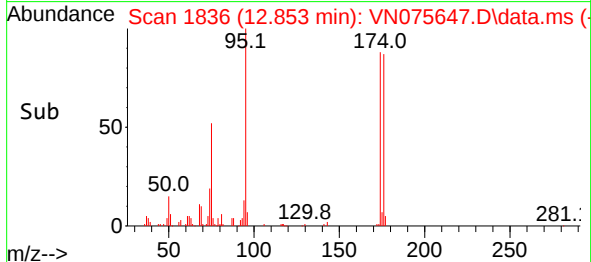
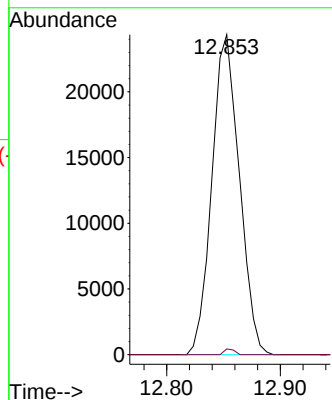
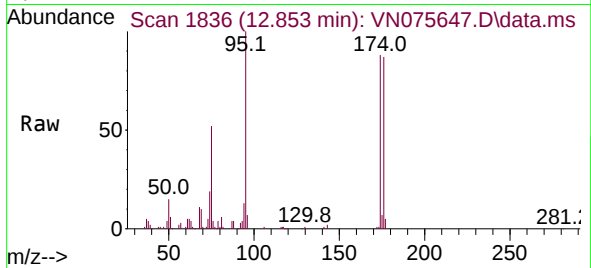




#76
1,2,3-Trichloropropane
Concen: 22.237 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

Instrument :
MSVOA_N
ClientSampleId :
EFF1222

Tgt Ion: 75 Resp: 40841
Ion Ratio Lower Upper
75 100
77 0.7 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.793 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075647.D
Acq: 08 Dec 2022 14:56

Tgt Ion: 75 Resp: 40841
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

