

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112122\
 Data File : VN075346.D
 Acq On : 21 Nov 2022 15:38
 Operator : JC\MD
 Sample : VN1121WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 08:19:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 08:17:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	150326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	258763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	95732	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	46431	57.540	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.080%
35) Dibromofluoromethane	8.171	113	53730	52.858	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.720%
50) Toluene-d8	10.565	98	123274	53.844	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.680%
62) 4-Bromofluorobenzene	12.847	95	81293	48.106	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.220%

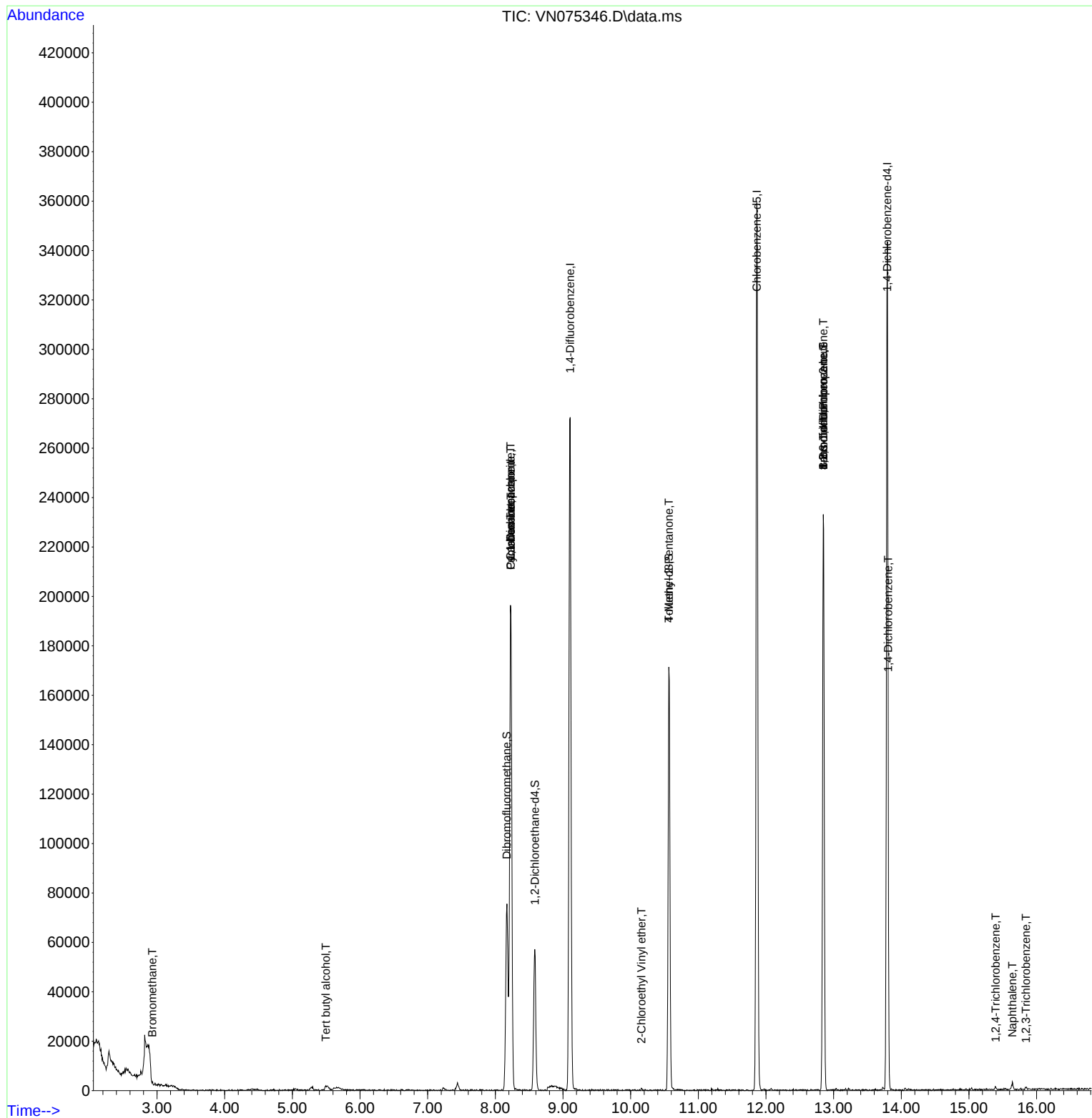
Target Compounds			Qvalue			
5) Bromomethane	2.930	94	548	0.346	ug/l #	62
6) Chloroethane	3.065	64	438	Below Cal	#	45
11) Tert butyl alcohol	5.494	59	820	2.421	ug/l #	72
18) Methyl Acetate	5.047	43	1030	Below Cal	#	57
20) Methylene Chloride	5.289	84	1114	Below Cal	#	65
31) Cyclohexane	8.230	56	2943	1.148	ug/l #	26
36) 1,1-Dichloropropene	8.224	75	11525	5.199	ug/l #	50
38) Carbon Tetrachloride	8.224	117	15510	6.369	ug/l #	15
51) 4-Methyl-2-Pentanone	10.565	43	559	0.274	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.159	63	306	0.353	ug/l #	44
71) Bromoform	12.847	173	689	0.528	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	42406	23.428	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	42406	69.319	ug/l #	10
88) 1,4-Dichlorobenzene	13.806	146	832	0.250	ug/l #	43
93) 1,2,4-Trichlorobenzene	15.394	180	687	0.420	ug/l #	70
95) Naphthalene	15.641	128	3181	0.619	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	555	0.346	ug/l #	77

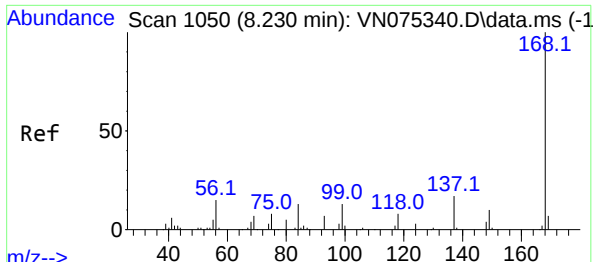
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Nov 22 08:19:16 2022
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Quant Title : SW846 8260
QLast Update : Tue Nov 22 08:17:11 2022
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN075346.D

Acq: 21 Nov 2022 15:38

Instrument :

MSVOA_N

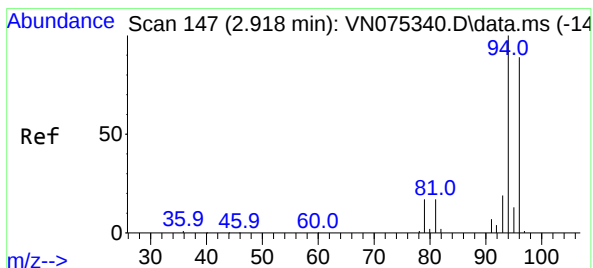
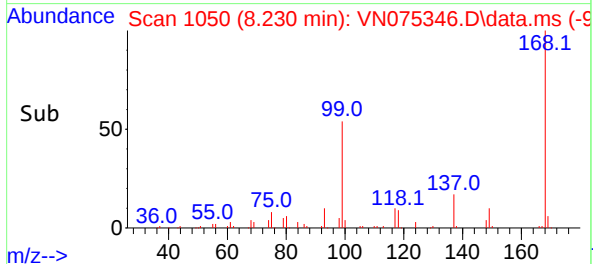
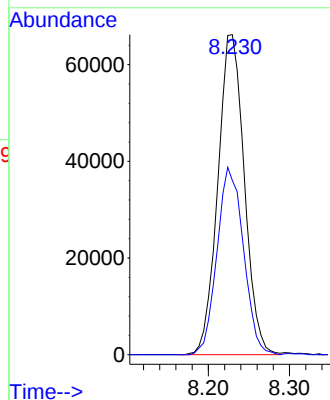
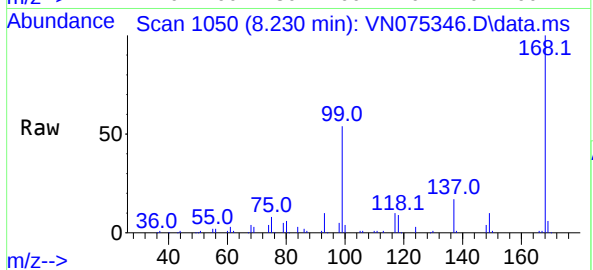
ClientSampleId :

Tgt Ion:168 Resp: 150326

Ion Ratio Lower Upper

168 100

99 54.5 51.6 77.4



#5

Bromomethane

Concen: 0.346 ug/l

RT: 2.930 min Scan# 149

Delta R.T. 0.012 min

Lab File: VN075346.D

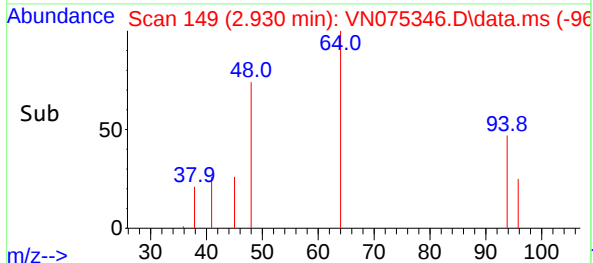
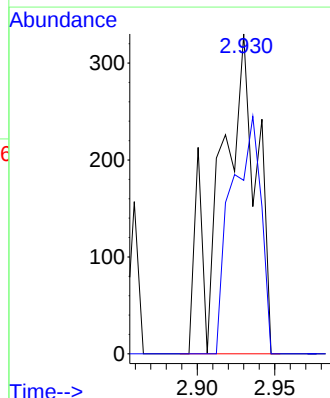
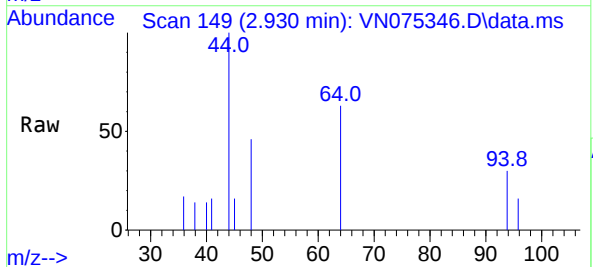
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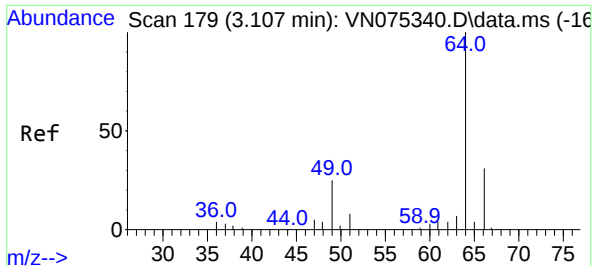
Tgt Ion: 94 Resp: 548

Ion Ratio Lower Upper

94 100

96 54.2 71.8 107.6#

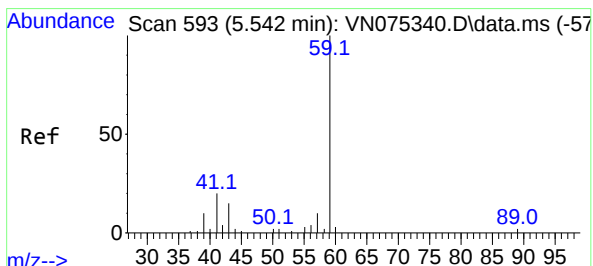
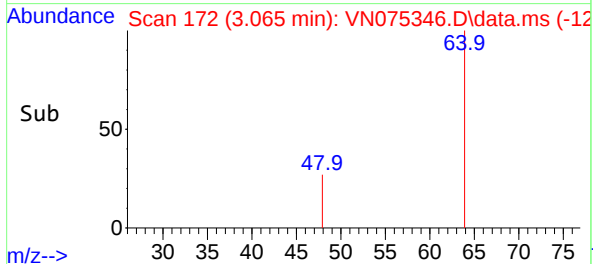
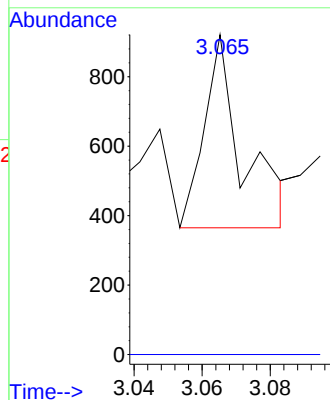
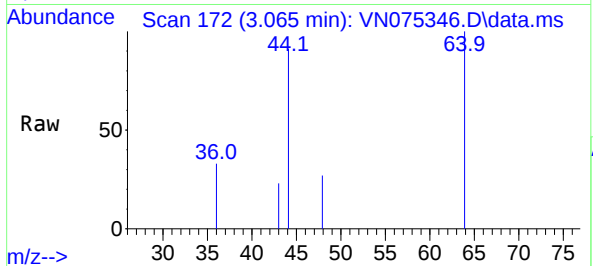




#6
Chloroethane
Concen: Below Cal
RT: 3.065 min Scan# 11
Delta R.T. -0.042 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

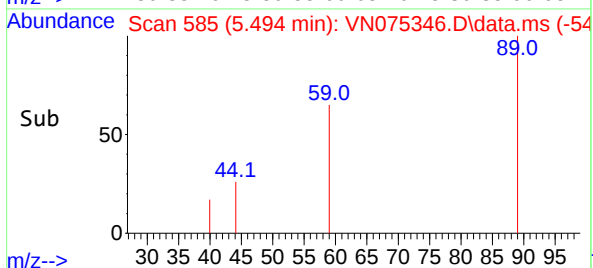
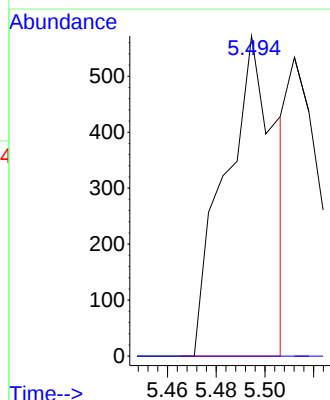
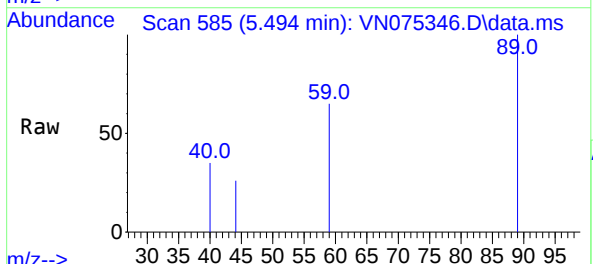
Instrument :
MSVOA_N
ClientSampleId :

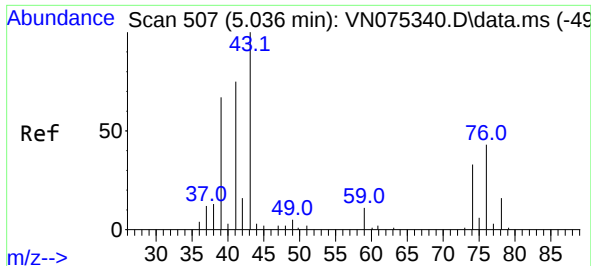
Tgt Ion: 64 Resp: 438
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 2.421 ug/l
RT: 5.494 min Scan# 585
Delta R.T. -0.048 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

Tgt Ion: 59 Resp: 820
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

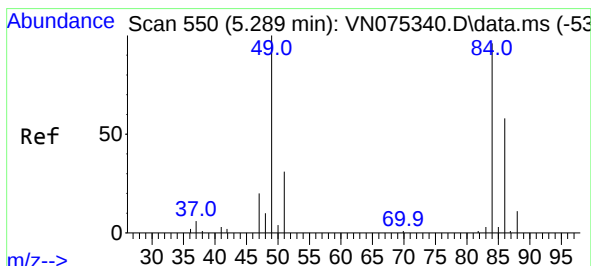
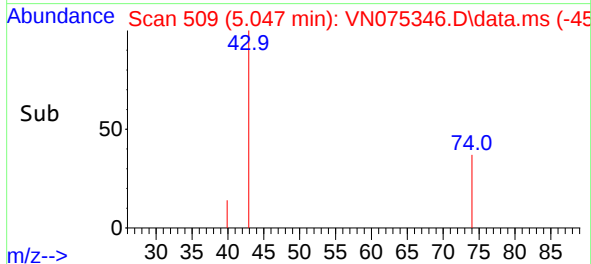
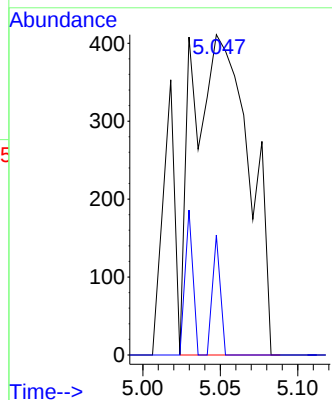
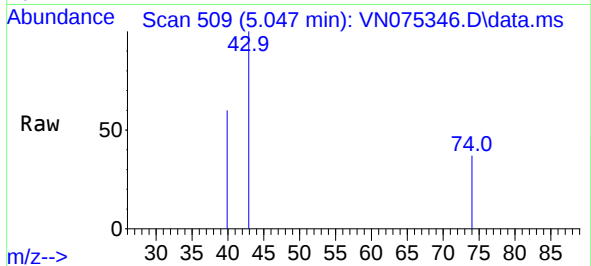




#18
Methyl Acetate
Concen: Below Cal
RT: 5.047 min Scan# 50
Delta R.T. 0.011 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

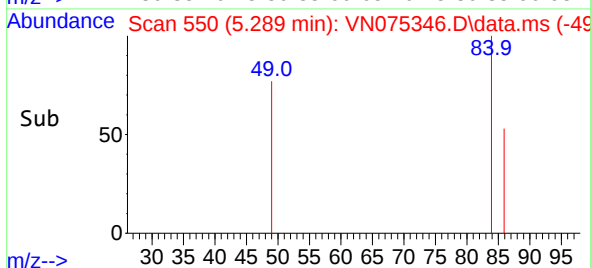
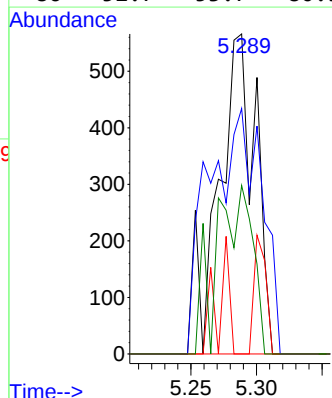
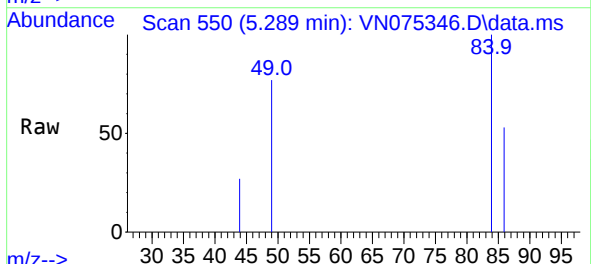
Instrument :
MSVOA_N
ClientSampleId :

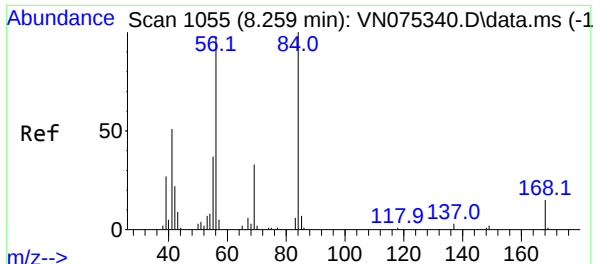
Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
74 5.2 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

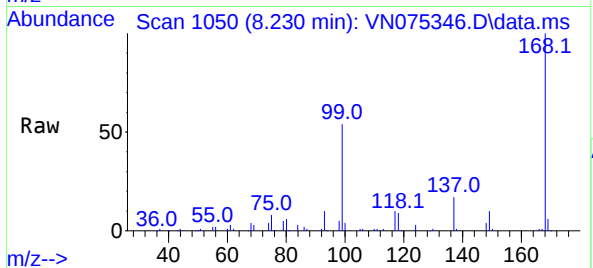
Tgt Ion: 84 Resp: 1114
Ion Ratio Lower Upper
84 100
49 76.7 94.9 142.3#
51 0.0 26.8 40.2#
86 52.7 53.7 80.5#



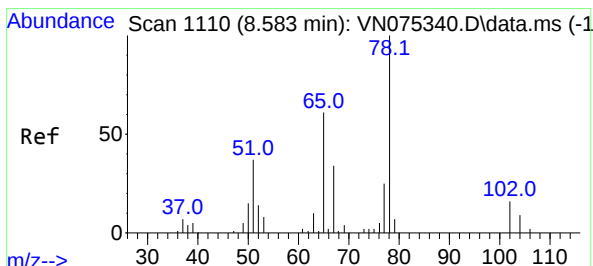
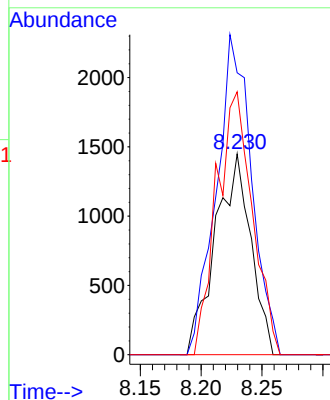
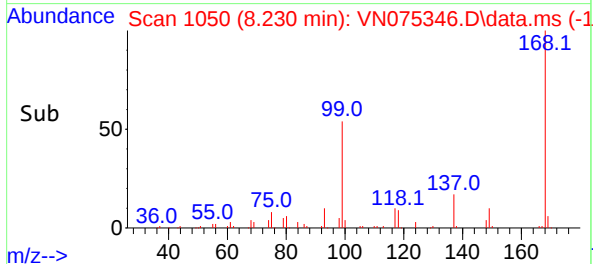


#31
Cyclohexane
Concen: 1.148 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

Instrument :
MSVOA_N
ClientSampleId :

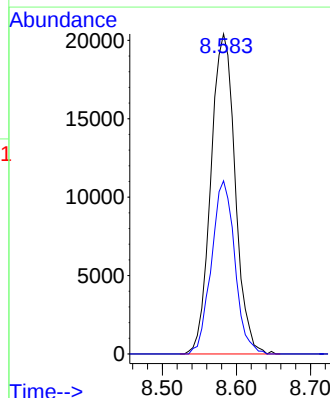
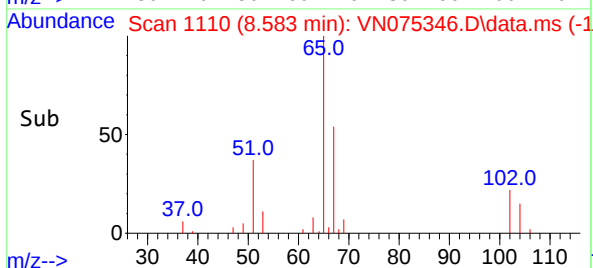
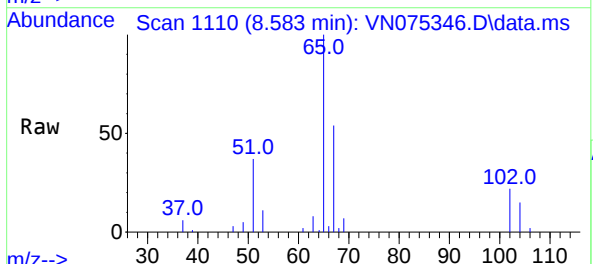


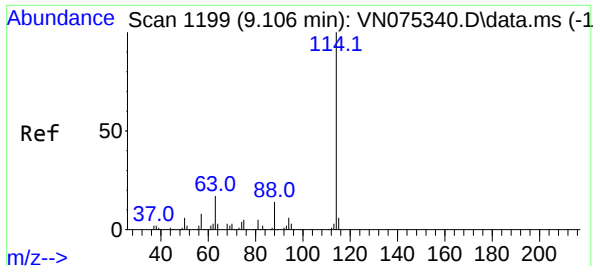
Tgt Ion: 56 Resp: 2943
Ion Ratio Lower Upper
56 100
69 140.3 25.2 37.8#
84 130.9 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 57.540 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

Tgt Ion: 65 Resp: 46431
Ion Ratio Lower Upper
65 100
67 52.2 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: VN075346.D

Acq: 21 Nov 2022 15:38

Instrument :

MSVOA_N

ClientSampleId :

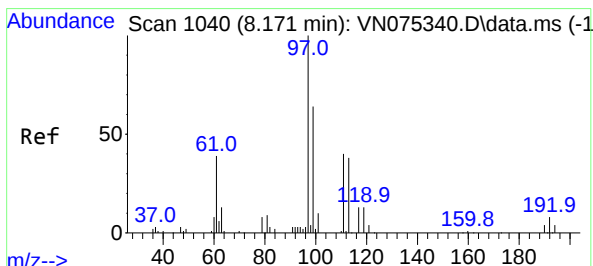
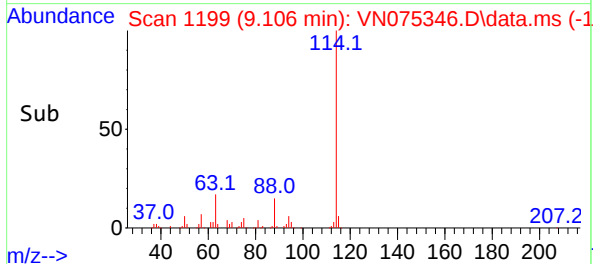
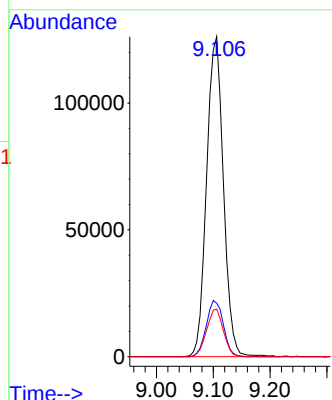
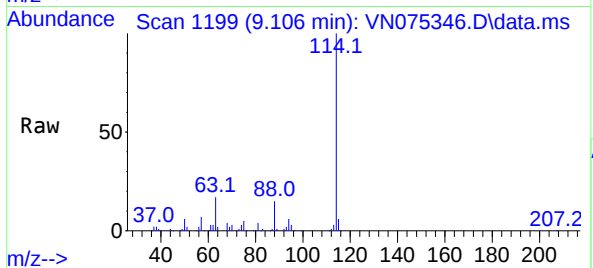
Tgt Ion:114 Resp: 258763

Ion Ratio Lower Upper

114 100

63 16.7 0.0 39.6

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.858 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075346.D

Acq: 21 Nov 2022 15:38

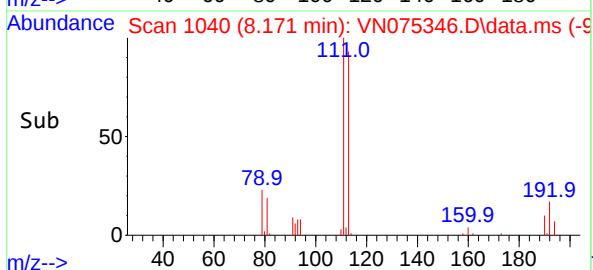
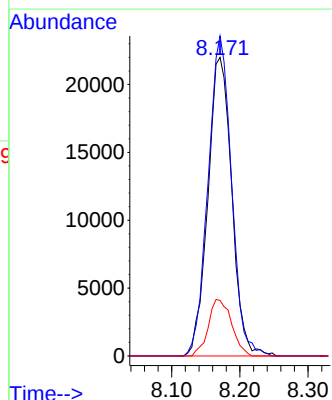
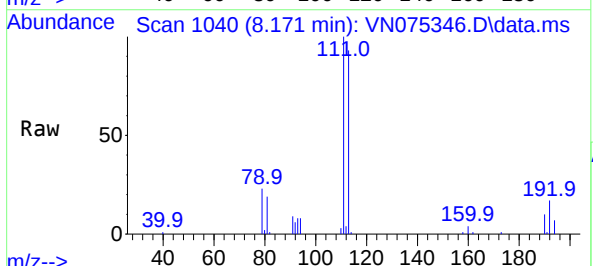
Tgt Ion:113 Resp: 53730

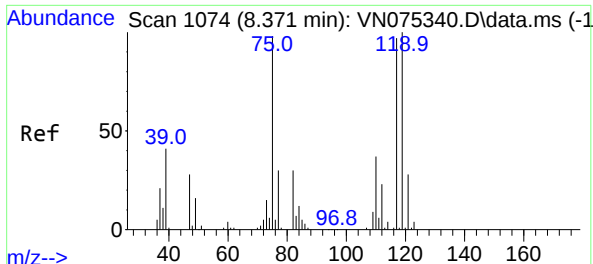
Ion Ratio Lower Upper

113 100

111 105.1 80.5 120.7

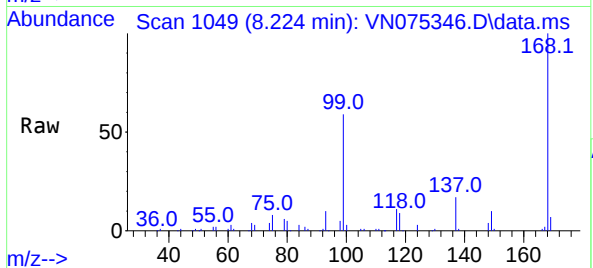
192 18.4 13.2 19.8



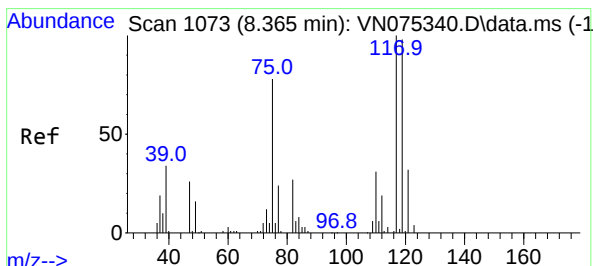
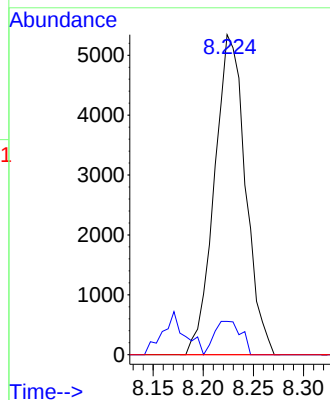
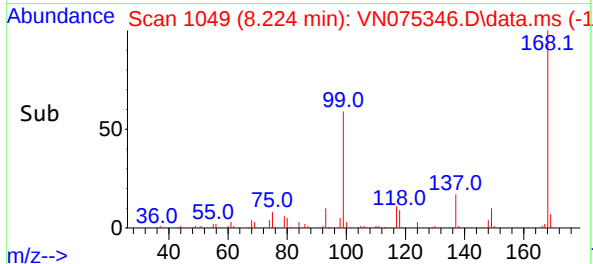


#36
1,1-Dichloropropene
Concen: 5.199 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

Instrument :
MSVOA_N
ClientSampleId :

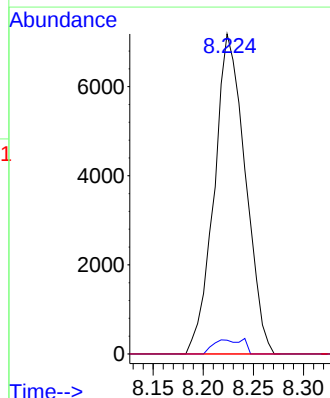
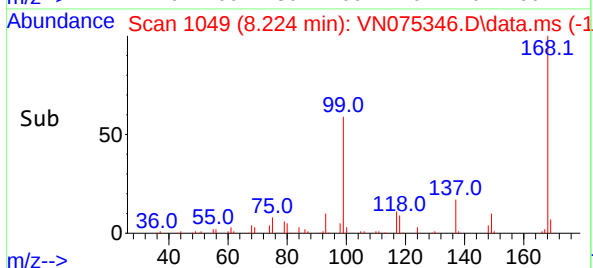
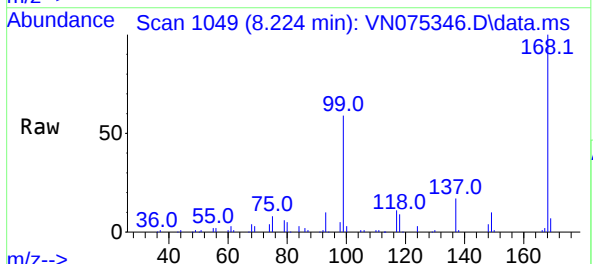


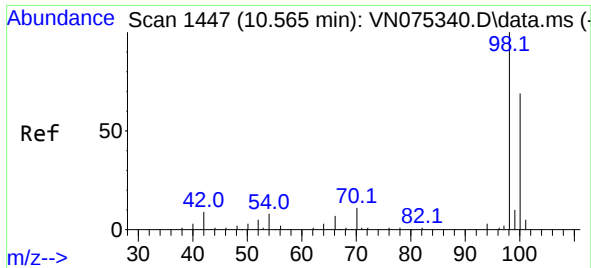
Tgt Ion: 75 Resp: 11525
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.369 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.141 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

Tgt Ion: 117 Resp: 15510
Ion Ratio Lower Upper
117 100
119 4.3 76.7 115.1#
121 0.0 23.9 35.9#

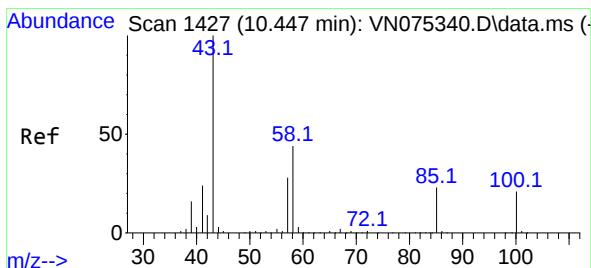
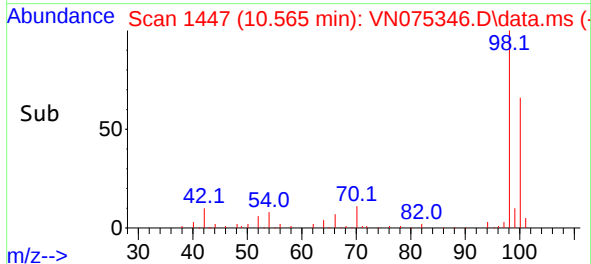
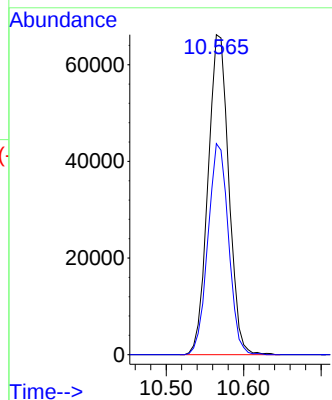
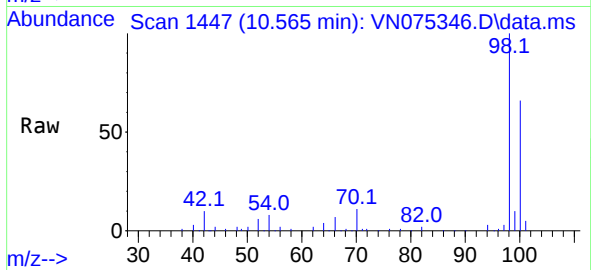




#50
Toluene-d8
Concen: 53.844 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

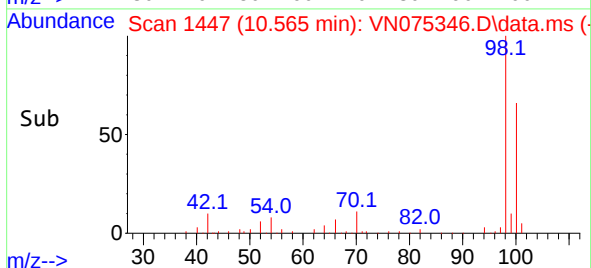
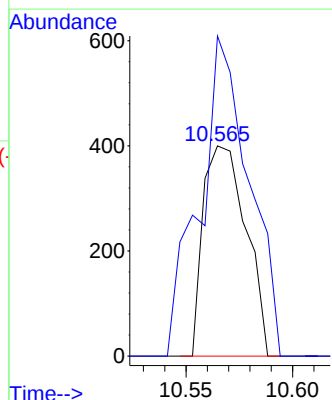
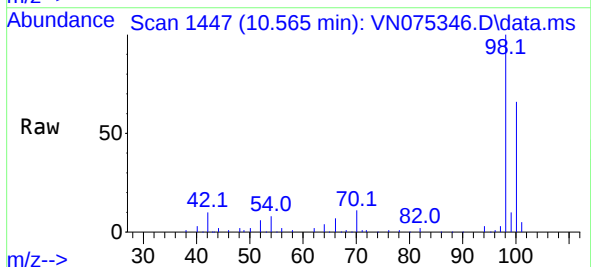
Instrument :
MSVOA_N
ClientSampleId :

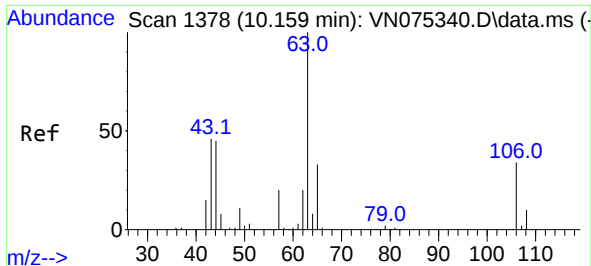
Tgt Ion: 98 Resp: 123274
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.274 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

Tgt Ion: 43 Resp: 559
Ion Ratio Lower Upper
43 100
58 175.5 33.6 50.4#

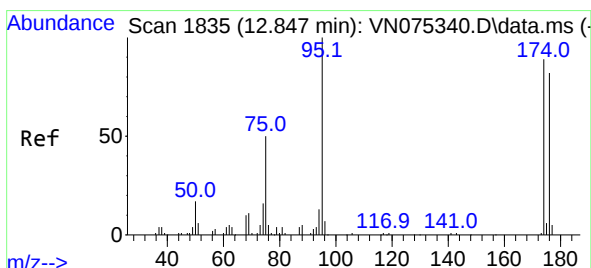
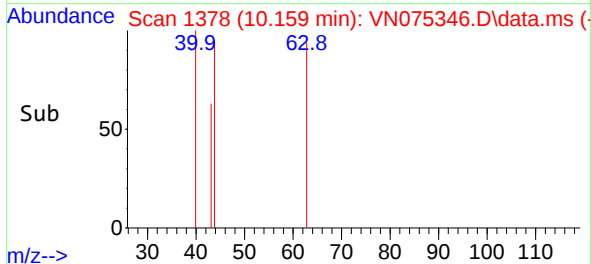
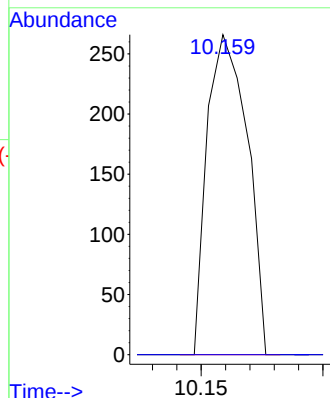
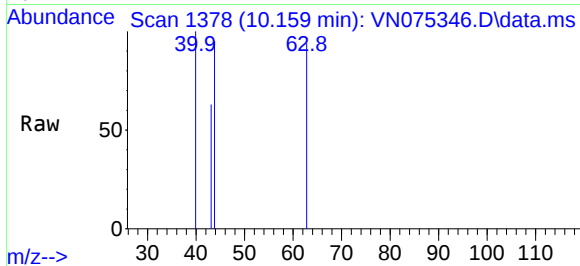




#58
2-Chloroethyl Vinyl ether
Concen: 0.353 ug/l
RT: 10.159 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

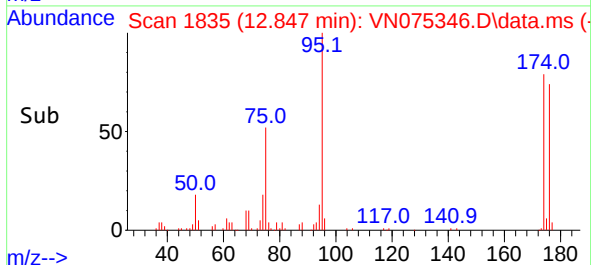
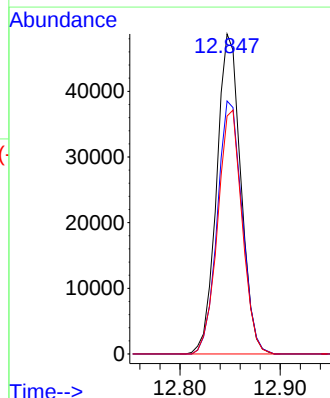
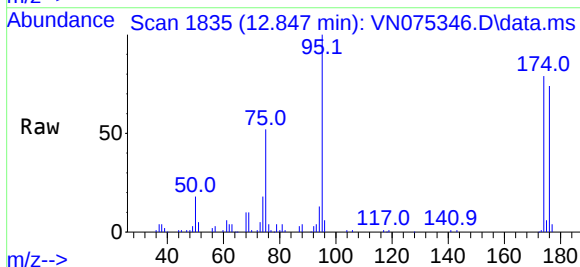
Instrument :
MSVOA_N
ClientSampleId :

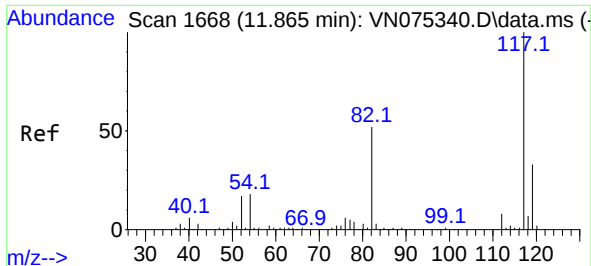
Tgt Ion: 63 Resp: 306
Ion Ratio Lower Upper
63 100
106 0.0 24.8 37.2#



#62
4-Bromofluorobenzene
Concen: 48.106 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

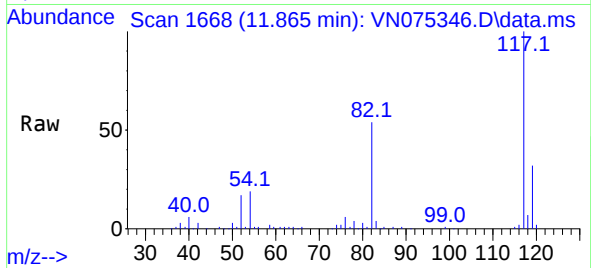
Tgt Ion: 95 Resp: 81293
Ion Ratio Lower Upper
95 100
174 81.3 0.0 147.4
176 77.3 0.0 142.2



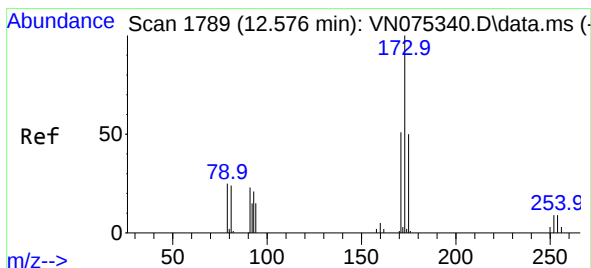
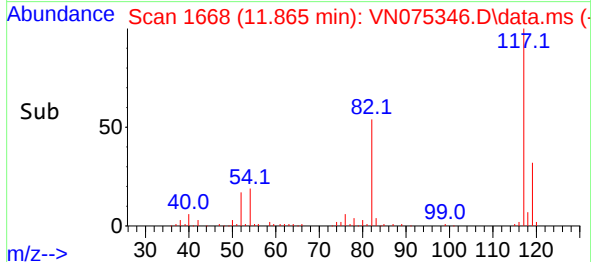
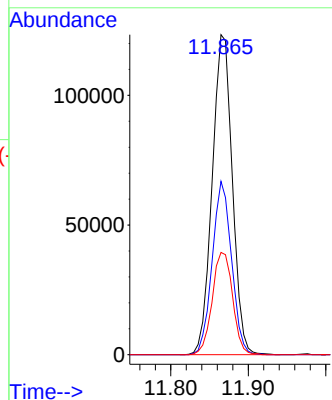


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

Instrument :
MSVOA_N
ClientSampleId :

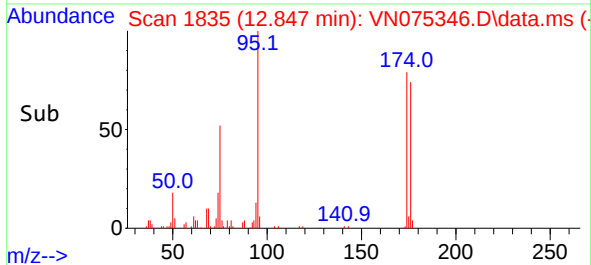
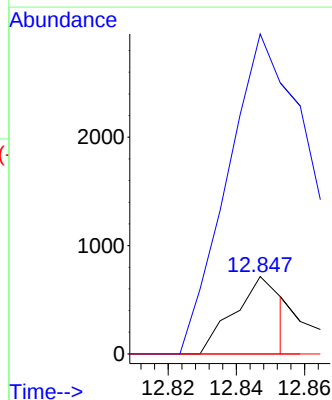
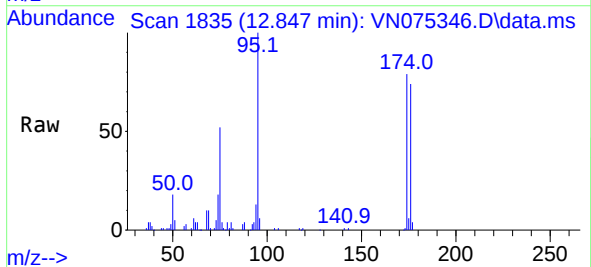


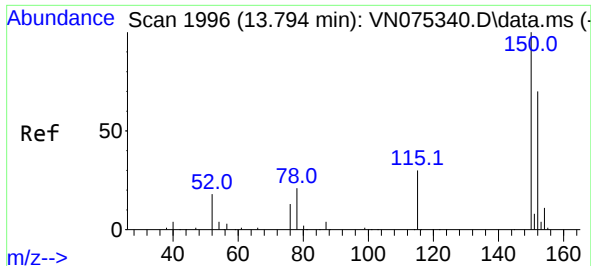
Tgt Ion:117 Resp: 222517
Ion Ratio Lower Upper
117 100
82 54.2 43.1 64.7
119 31.9 25.5 38.3



#71
Bromoform
Concen: 0.528 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

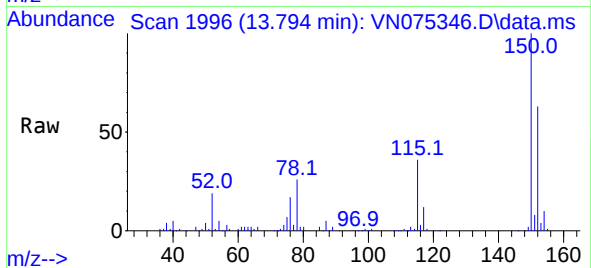
Tgt Ion:173 Resp: 689
Ion Ratio Lower Upper
173 100
175 490.6 24.6 74.0#
254 0.0 0.0 0.0



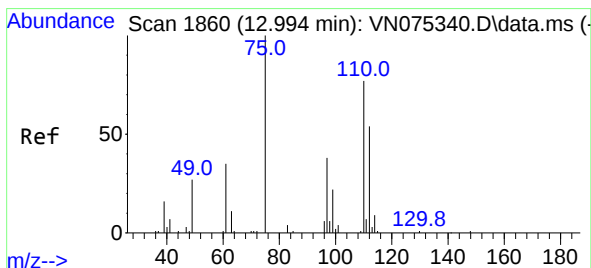
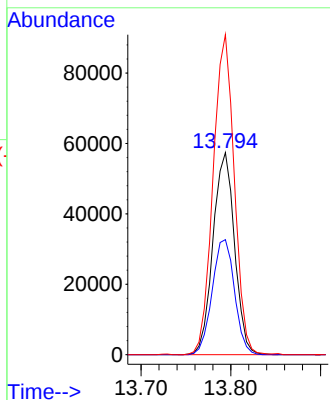
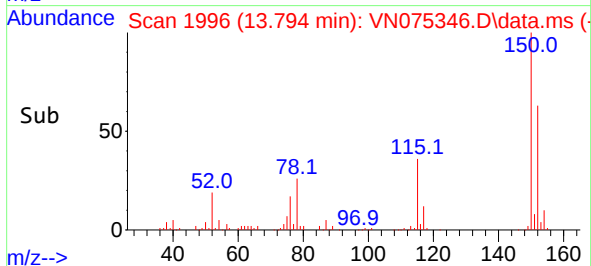


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

Instrument :
MSVOA_N
ClientSampleId :

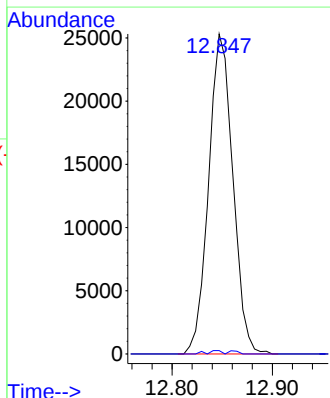
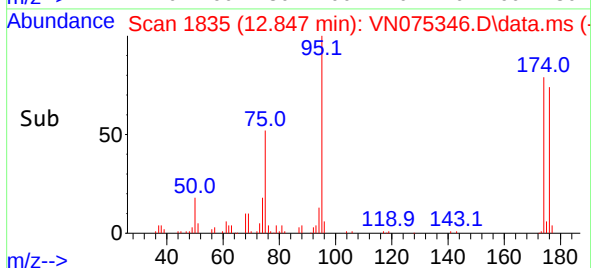
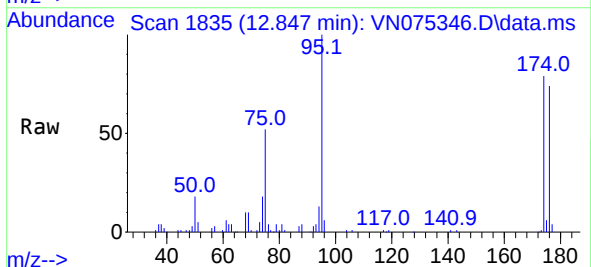


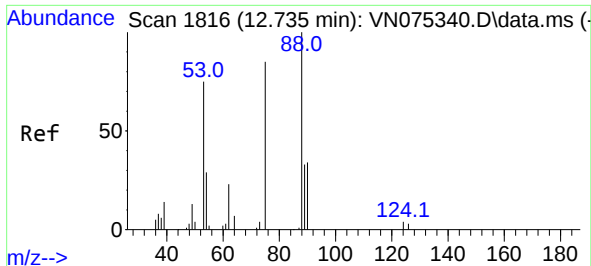
Tgt Ion:152 Resp: 95732
Ion Ratio Lower Upper
152 100
115 59.0 30.2 90.6
150 155.9 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 23.428 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

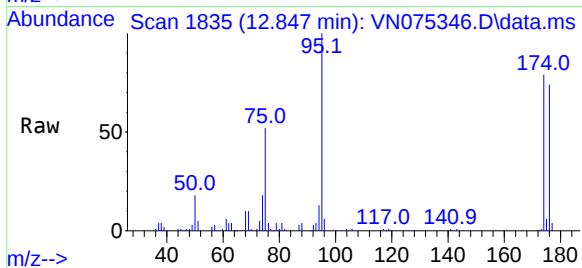
Tgt Ion: 75 Resp: 42406
Ion Ratio Lower Upper
75 100
77 0.6 75.6 226.8#



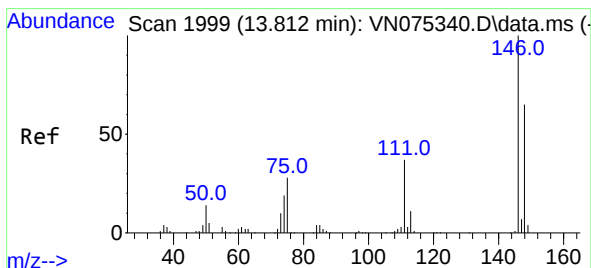
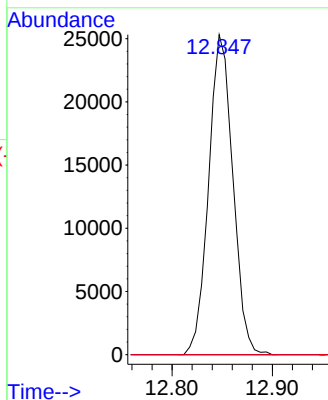
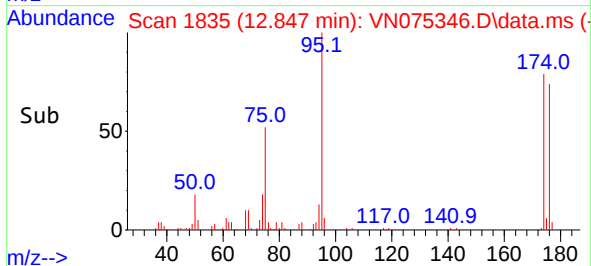


#81
trans-1,4-Dichloro-2-butene
Concen: 69.319 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

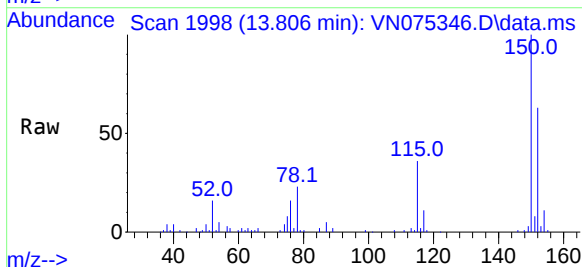
Instrument :
MSVOA_N
ClientSampleId :



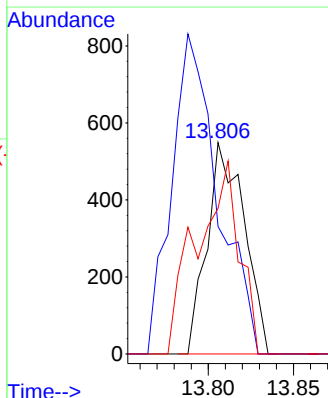
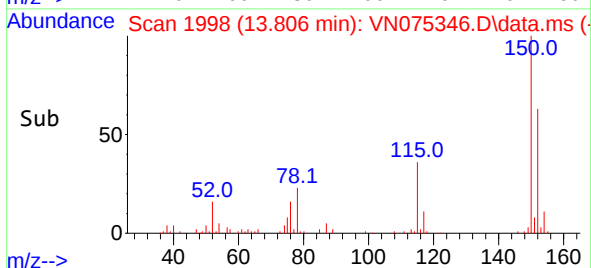
Tgt Ion: 75 Resp: 42406
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

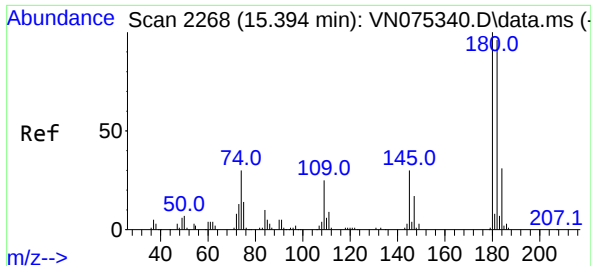


#88
1,4-Dichlorobenzene
Concen: 0.250 ug/l
RT: 13.806 min Scan# 1998
Delta R.T. -0.006 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38



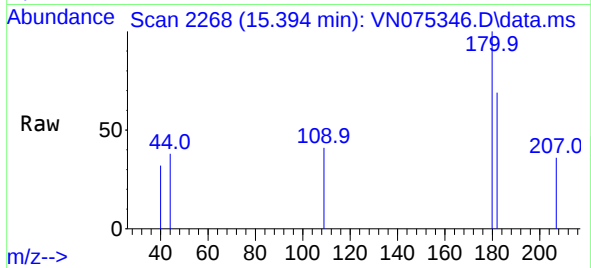
Tgt Ion: 146 Resp: 832
Ion Ratio Lower Upper
146 100
111 0.0 20.1 60.3#
148 104.1 31.9 95.7#



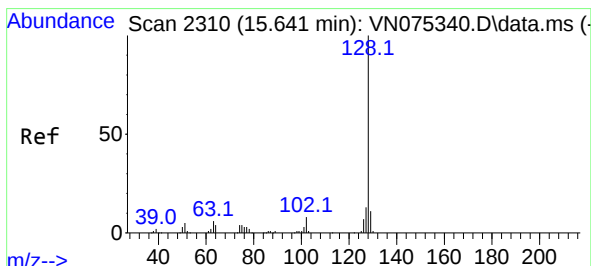
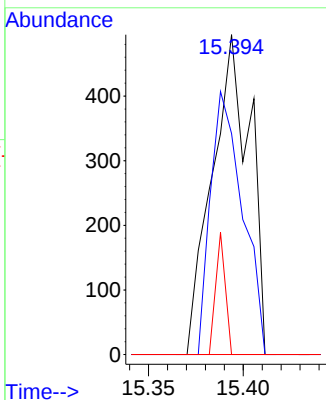
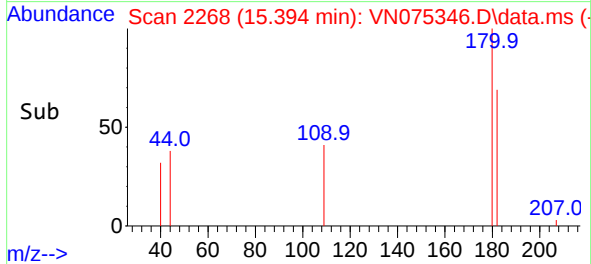


#93
1,2,4-Trichlorobenzene
Concen: 0.420 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

Instrument :
MSVOA_N
ClientSampleId :

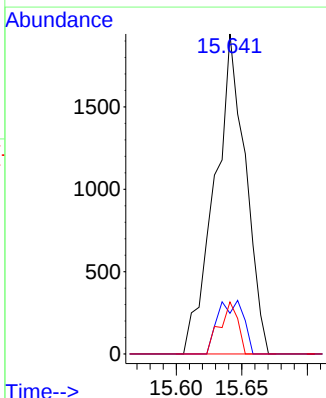
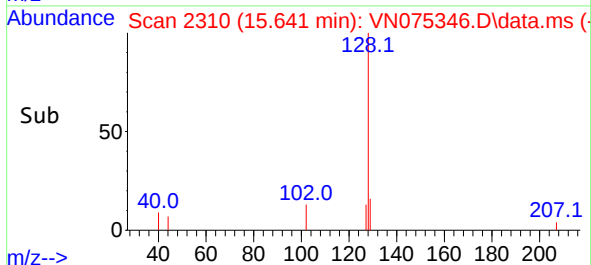
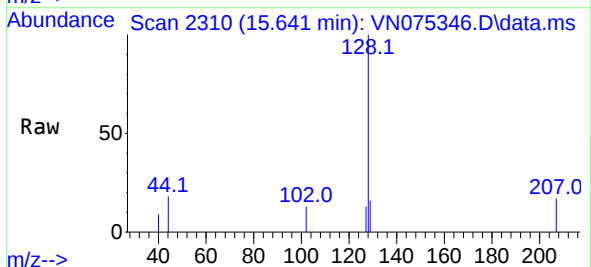


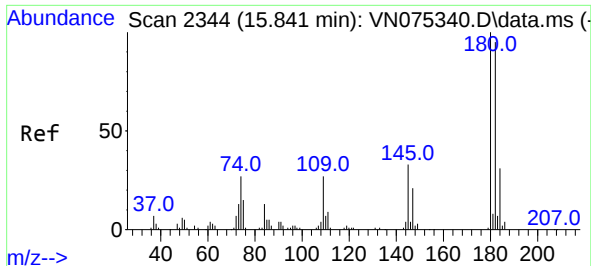
Tgt Ion:180 Resp: 687
Ion Ratio Lower Upper
180 100
182 69.9 47.8 143.4
145 9.8 16.8 50.3#



#95
Naphthalene
Concen: 0.619 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075346.D
Acq: 21 Nov 2022 15:38

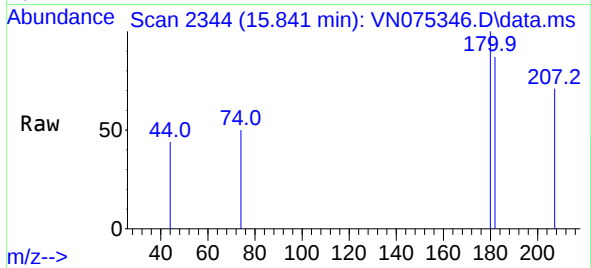
Tgt Ion:128 Resp: 3181
Ion Ratio Lower Upper
128 100
127 14.0 10.4 15.6
129 9.5 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.346 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN075346.D
 Acq: 21 Nov 2022 15:38

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 555
 Ion Ratio Lower Upper
 180 100
 182 85.8 47.3 141.8
 145 0.0 17.6 52.9#

