

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031822\
 Data File : VN071369.D
 Acq On : 18 Mar 2022 13:53
 Operator : JC\MD
 Sample : N1957-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 18 16:58:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

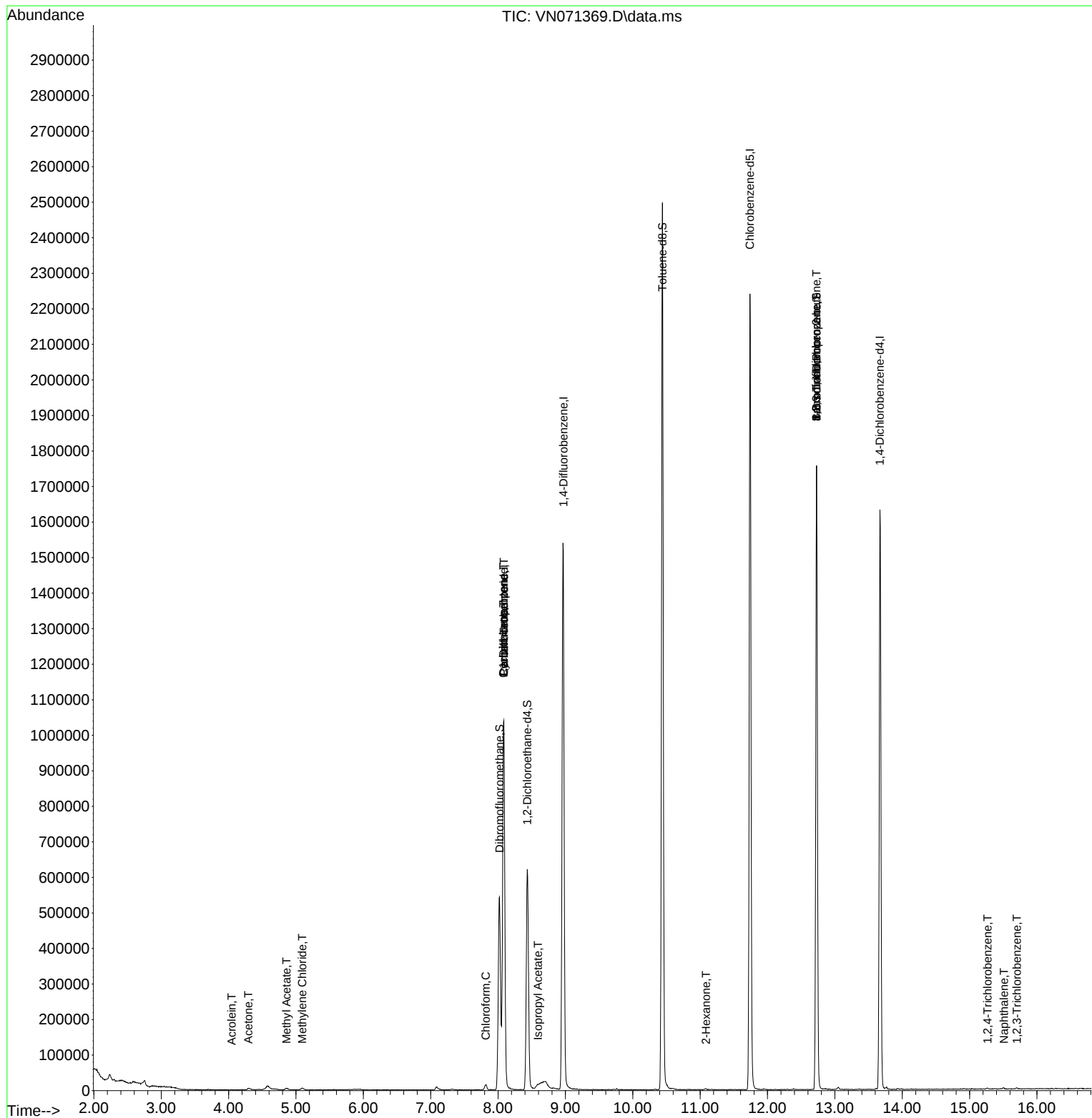
Internal Standards						
1) Pentafluorobenzene	8.086	168	805226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1354474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1282197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	455932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	519893	47.109	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.220%
35) Dibromofluoromethane	8.022	113	401970	47.029	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.060%
50) Toluene-d8	10.439	98	1670758	48.549	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.100%
62) 4-Bromofluorobenzene	12.727	95	608567	52.223	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.440%
Target Compounds						
					Qvalue	
5) Bromomethane	2.863	94	1094	Below Cal		82
13) Acrolein	4.046	56	655	0.285 ug/l	#	79
16) Acetone	4.293	43	6852	1.276 ug/l		95
18) Methyl Acetate	4.857	43	10469	1.189 ug/l	#	68
20) Methylene Chloride	5.093	84	4182	0.805 ug/l	#	83
30) Chloroform	7.816	83	14869	0.853 ug/l		100
31) Cyclohexane	8.081	56	17177	0.975 ug/l	#	13
36) 1,1-Dichloropropene	8.081	75	63833	4.661 ug/l	#	48
38) Carbon Tetrachloride	8.086	117	79297	5.986 ug/l	#	15
43) Isopropyl Acetate	8.592	43	11457	0.407 ug/l	#	55
59) 2-Hexanone	11.086	43	3141	0.263 ug/l		75
71) Bromoform	12.727	173	3494	0.456 ug/l	#	29
75) 1,1,2,2-Tetrachloroethane	12.827	83	573	Below Cal	#	53
76) 1,2,3-Trichloropropane	12.727	75	314691	27.191 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.727	75	314691	74.612 ug/l	#	5
93) 1,2,4-Trichlorobenzene	15.268	180	1303	3.153 ug/l		90
95) Naphthalene	15.509	128	3243	5.207 ug/l	#	85
96) 1,2,3-Trichlorobenzene	15.704	180	1259	2.898 ug/l	#	79

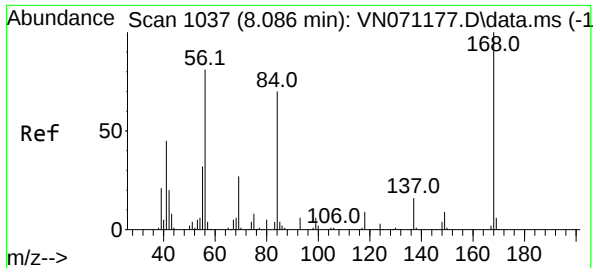
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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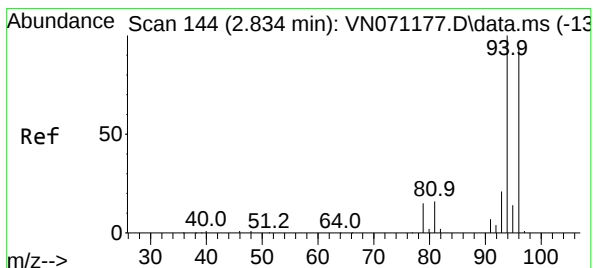
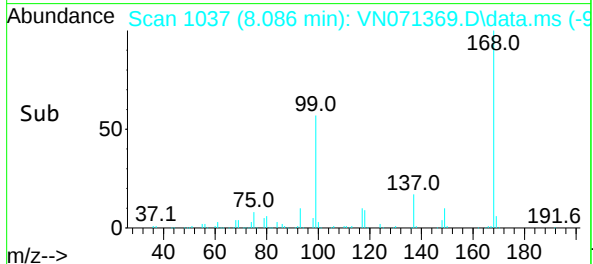
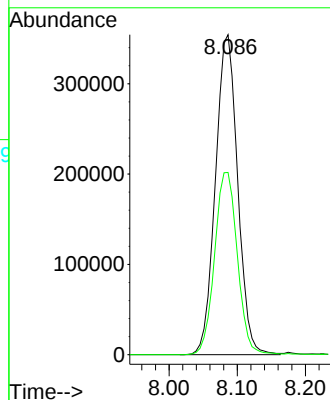
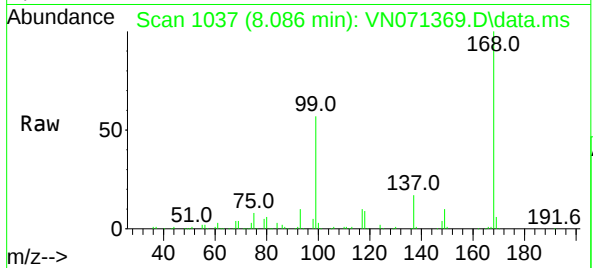




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

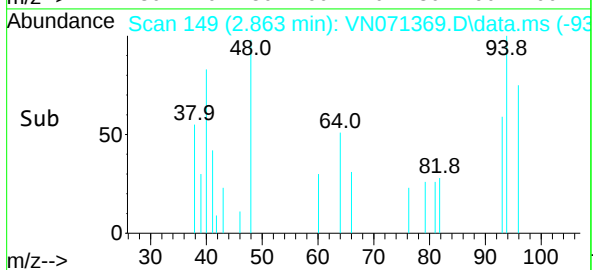
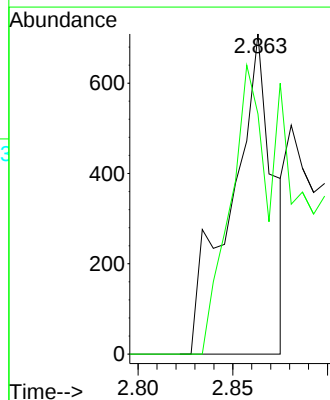
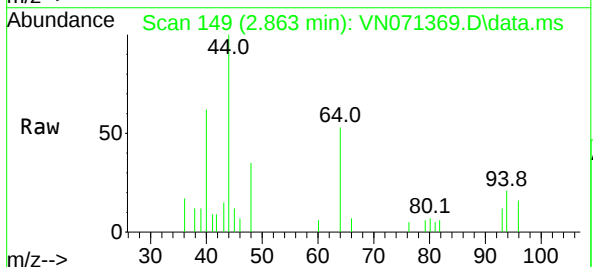
Instrument :
MSVOA_N
ClientSampleId :

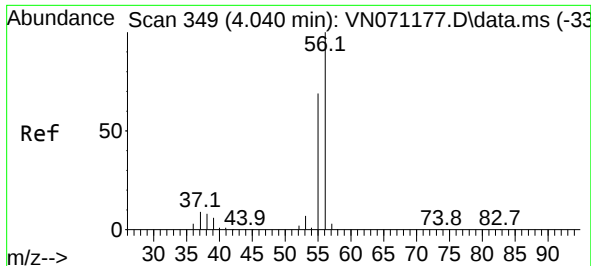
Tgt Ion:168 Resp: 805226
Ion Ratio Lower Upper
168 100
99 57.0 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 149
Delta R.T. 0.029 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

Tgt Ion: 94 Resp: 1094
Ion Ratio Lower Upper
94 100
96 75.0 73.8 110.8

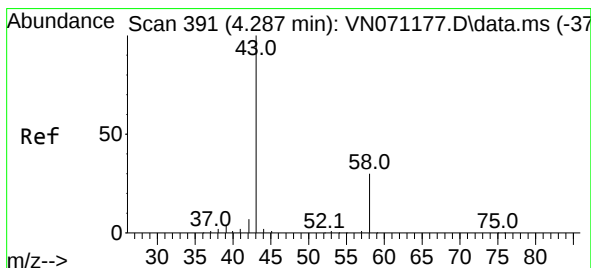
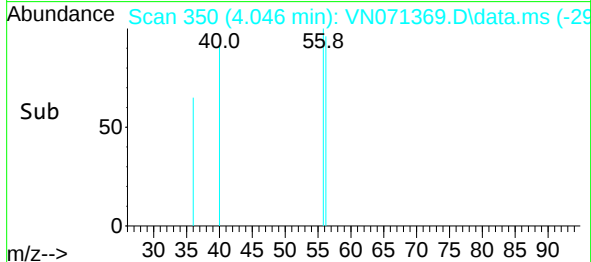
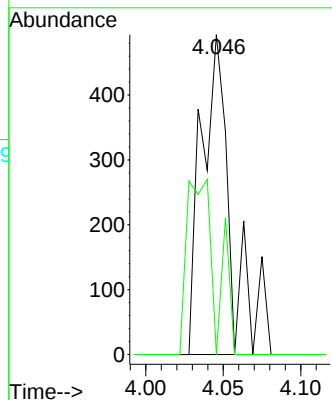
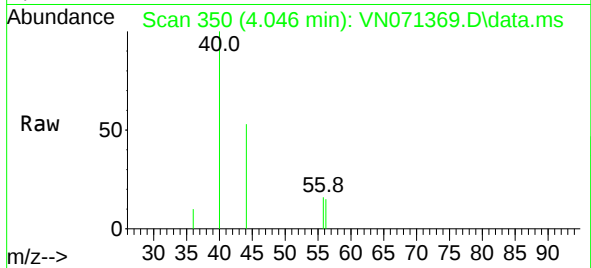




#13
Acrolein
Concen: 0.285 ug/l
RT: 4.046 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

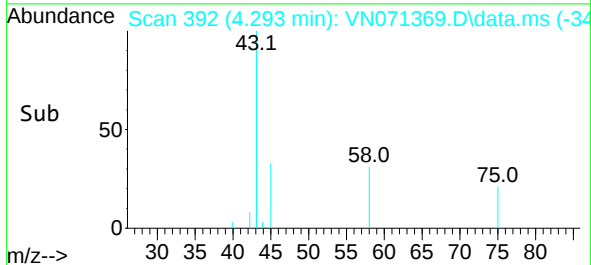
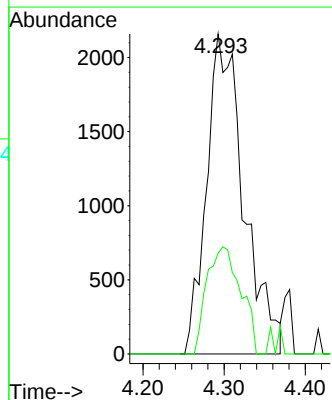
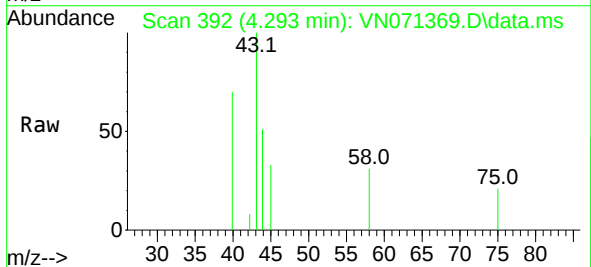
Instrument :
MSVOA_N
ClientSampleId :

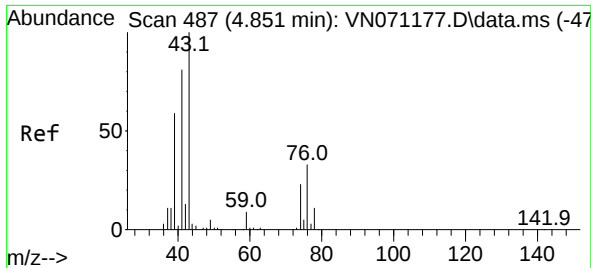
Tgt Ion: 56 Resp: 655
Ion Ratio Lower Upper
56 100
55 53.6 56.6 85.0#



#16
Acetone
Concen: 1.276 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

Tgt Ion: 43 Resp: 6852
Ion Ratio Lower Upper
43 100
58 31.5 23.1 34.7

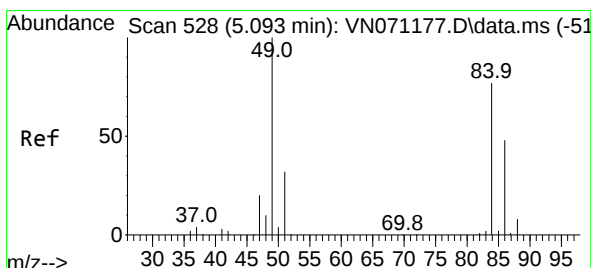
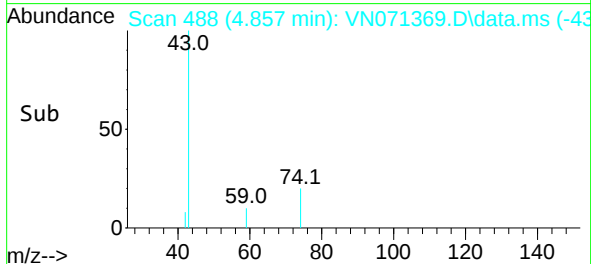
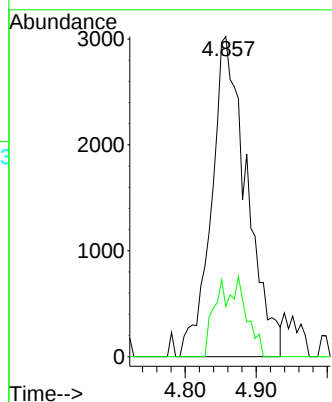
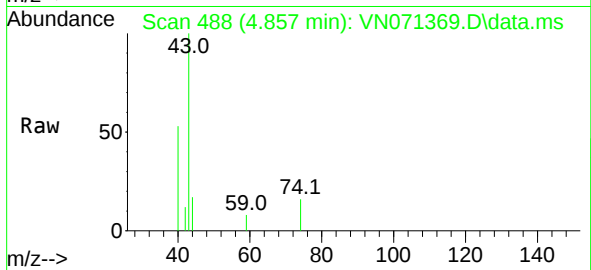




#18
Methyl Acetate
Concen: 1.189 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

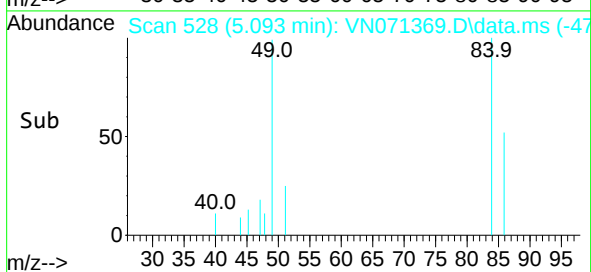
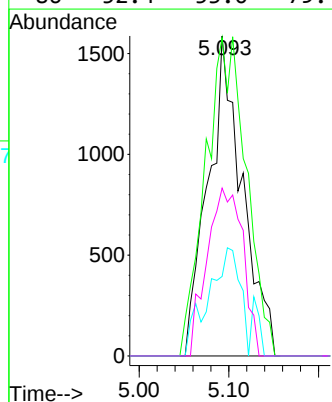
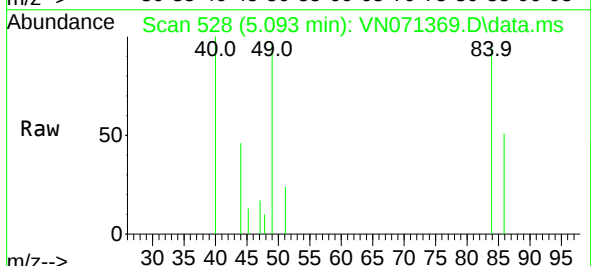
Instrument :
MSVOA_N
ClientSampleId :

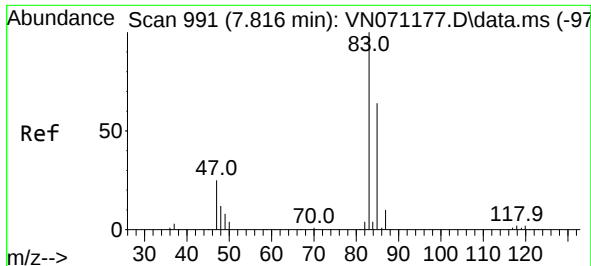
Tgt Ion: 43 Resp: 10469
Ion Ratio Lower Upper
43 100
74 8.6 19.4 29.2#



#20
Methylene Chloride
Concen: 0.805 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

Tgt Ion: 84 Resp: 4182
Ion Ratio Lower Upper
84 100
49 99.4 93.5 140.3
51 24.8 29.4 44.2#
86 52.4 53.0 79.4#

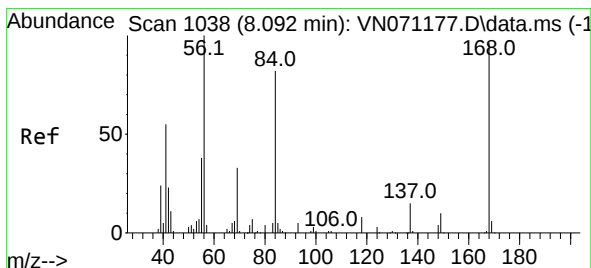
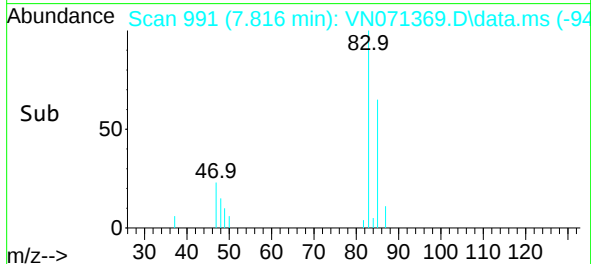
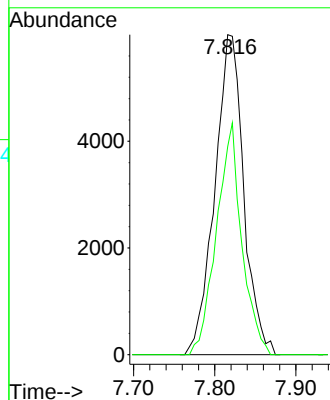
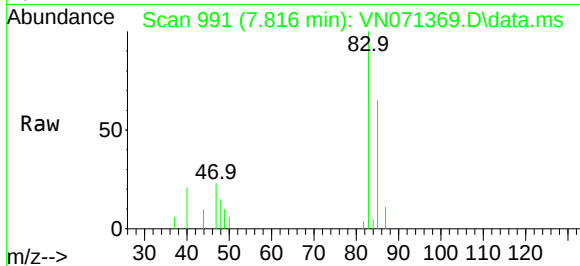




#30
Chloroform
Concen: 0.853 ug/l
RT: 7.816 min Scan# 991
Delta R.T. 0.000 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

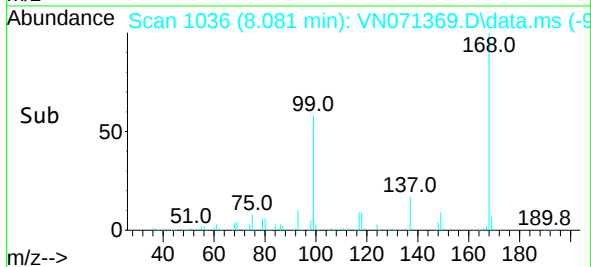
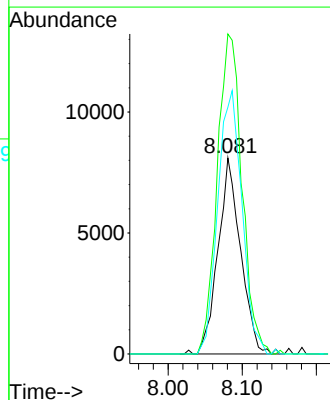
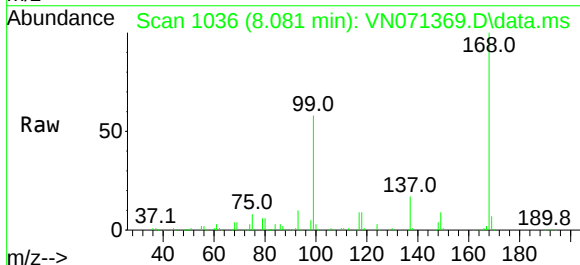
Instrument :
MSVOA_N
ClientSampleId :

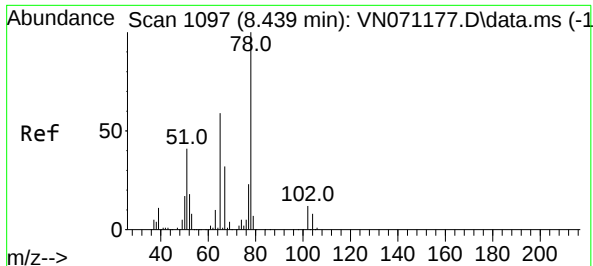
Tgt Ion: 83 Resp: 14869
Ion Ratio Lower Upper
83 100
85 65.0 51.9 77.9



#31
Cyclohexane
Concen: 0.975 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

Tgt Ion: 56 Resp: 17177
Ion Ratio Lower Upper
56 100
69 163.3 27.1 40.7#
84 125.9 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.109 ug/l

RT: 8.433 min Scan# 110

Delta R.T. -0.006 min

Lab File: VN071369.D

Acq: 18 Mar 2022 13:53

Instrument :

MSVOA_N

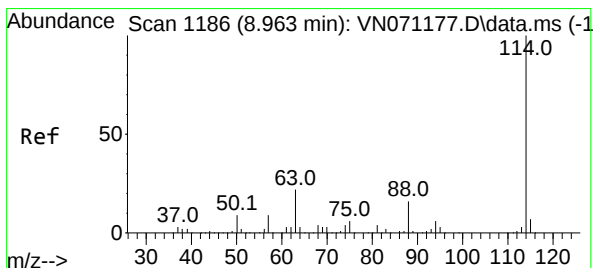
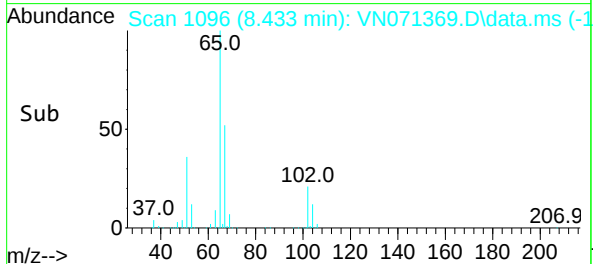
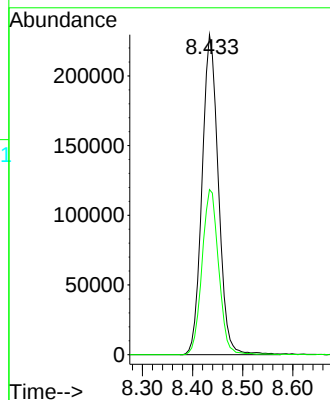
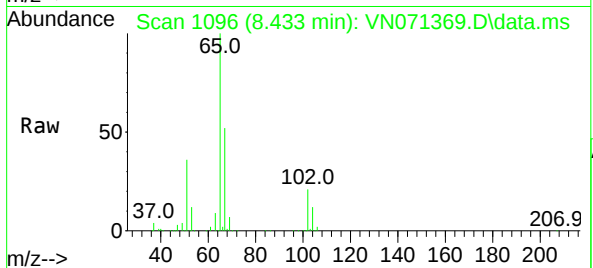
ClientSampleId :

Tgt Ion: 65 Resp: 519893

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1187

Delta R.T. 0.006 min

Lab File: VN071369.D

Acq: 18 Mar 2022 13:53

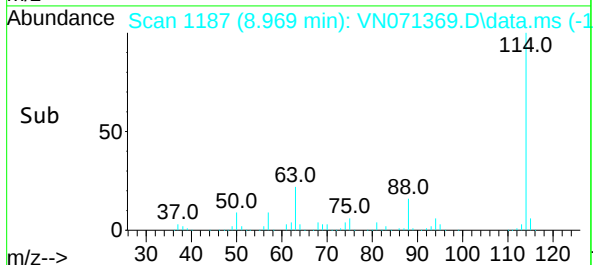
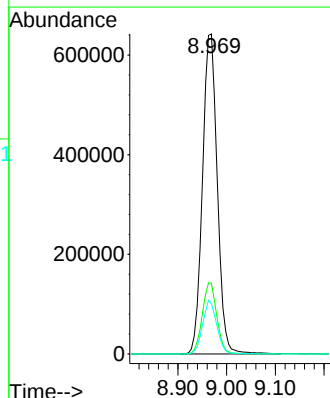
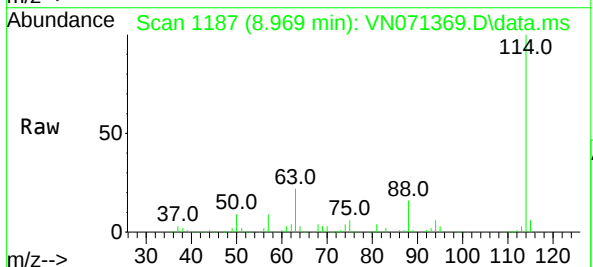
Tgt Ion: 114 Resp: 1354474

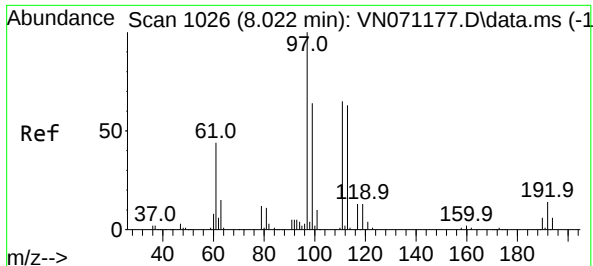
Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.8

88 15.7 0.0 27.4





#35

Dibromofluoromethane

Concen: 47.029 ug/l

RT: 8.022 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VN071369.D

Acq: 18 Mar 2022 13:53

Instrument :

MSVOA_N

ClientSampleId :

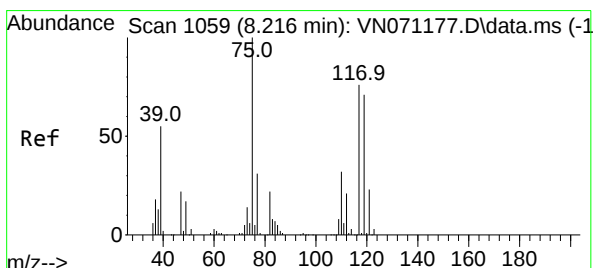
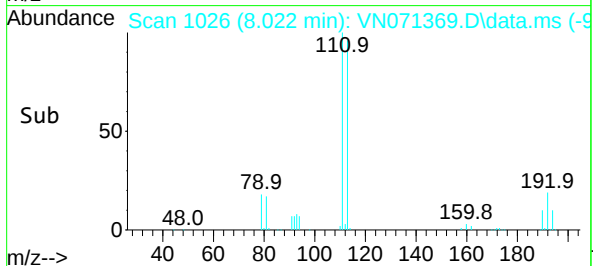
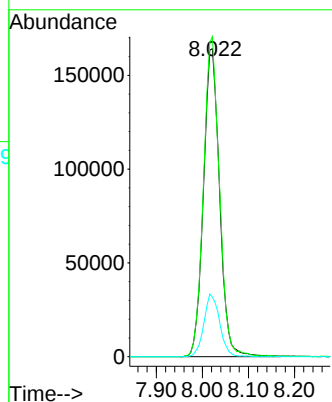
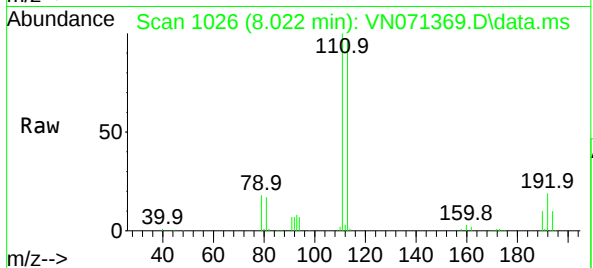
Tgt Ion:113 Resp: 401970

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

192 19.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.661 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071369.D

Acq: 18 Mar 2022 13:53

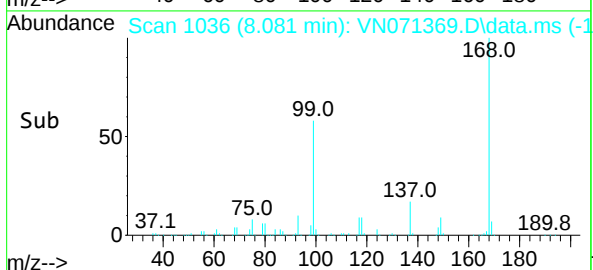
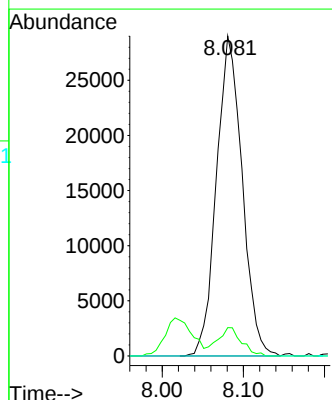
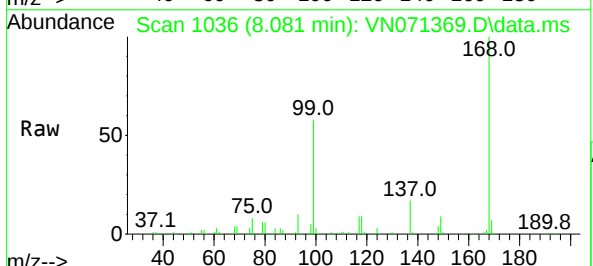
Tgt Ion: 75 Resp: 63833

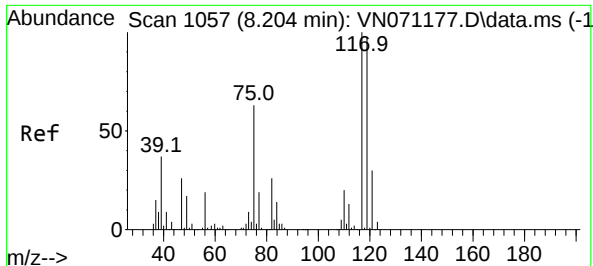
Ion Ratio Lower Upper

75 100

110 8.0 18.4 55.2#

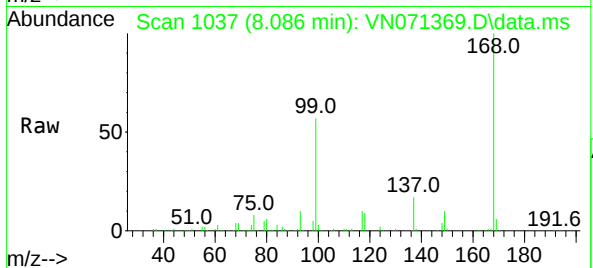
77 0.0 24.4 36.6#



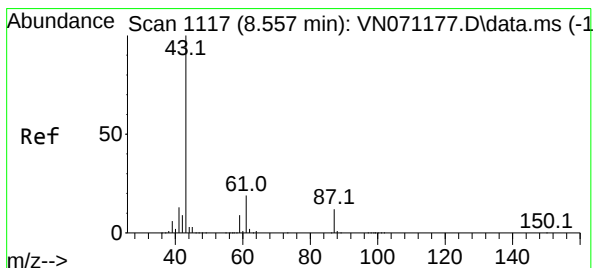
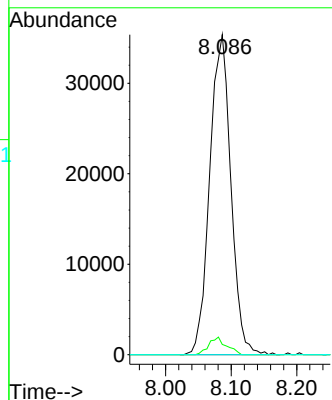
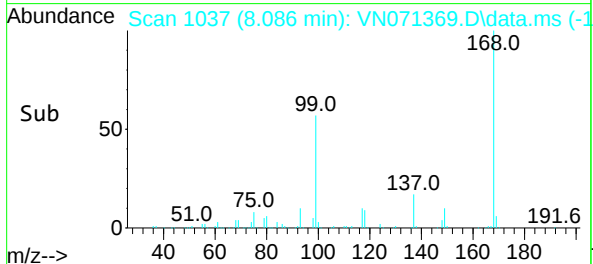


#38
Carbon Tetrachloride
Concen: 5.986 ug/l
RT: 8.086 min Scan# 1107
Delta R.T. -0.118 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

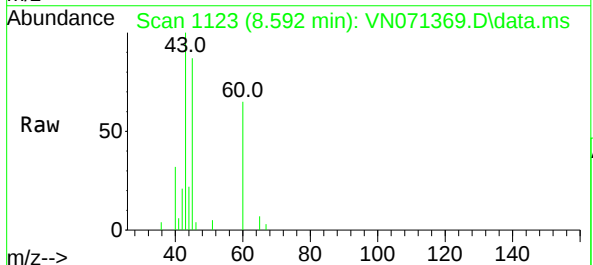
Instrument :
MSVOA_N
ClientSampleId :



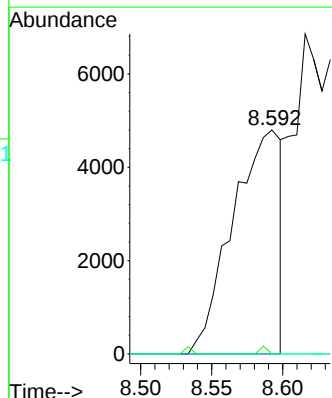
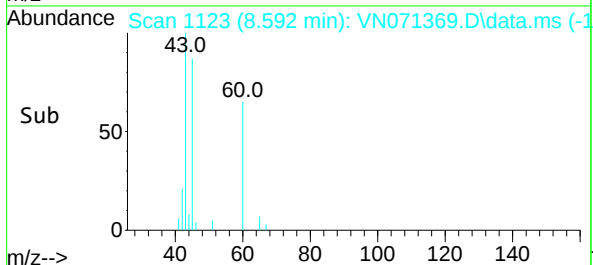
Tgt Ion:117 Resp: 79297
Ion Ratio Lower Upper
117 100
119 3.2 76.1 114.1#
121 0.0 24.2 36.2#

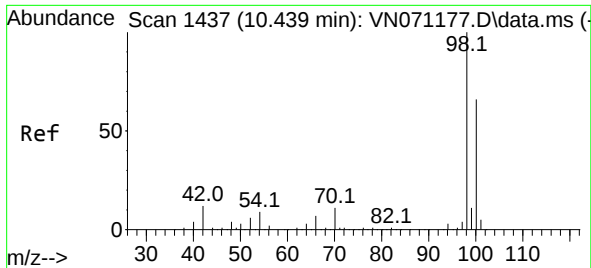


#43
Isopropyl Acetate
Concen: 0.407 ug/l
RT: 8.592 min Scan# 1123
Delta R.T. 0.035 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53



Tgt Ion: 43 Resp: 11457
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

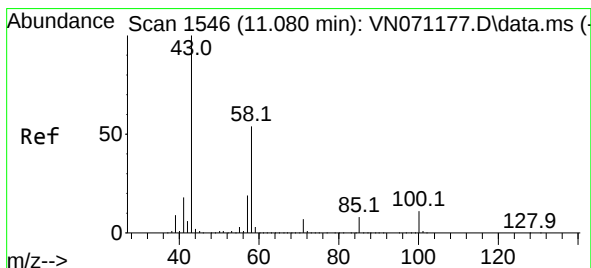
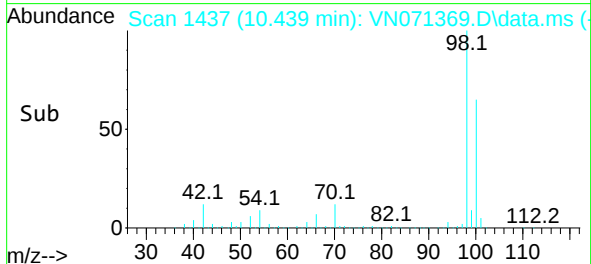
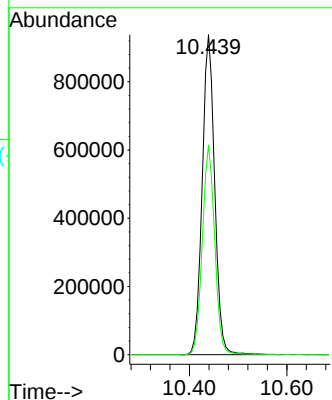
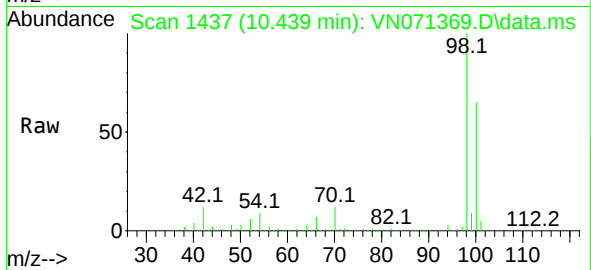




#50
Toluene-d8
Concen: 48.549 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

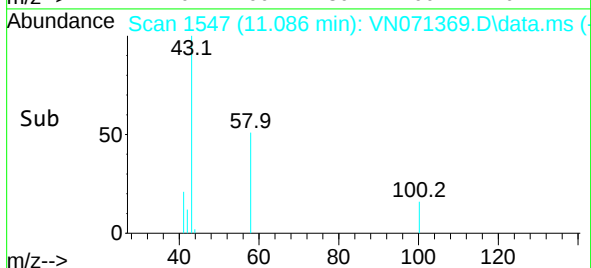
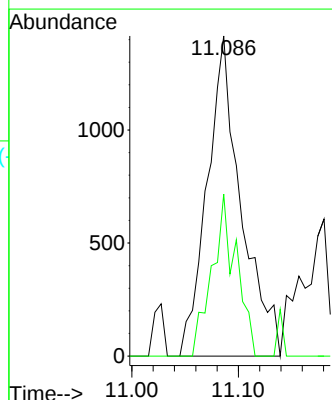
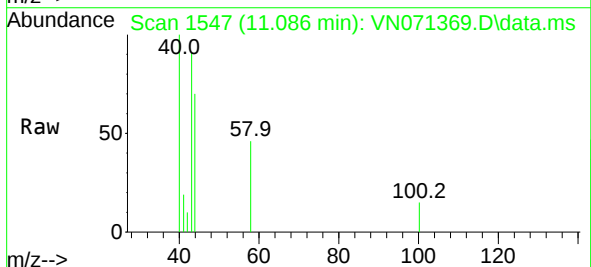
Instrument :
MSVOA_N
ClientSampleId :

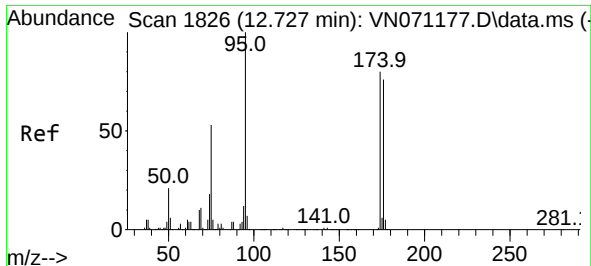
Tgt Ion: 98 Resp: 1670758
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6



#59
2-Hexanone
Concen: 0.263 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

Tgt Ion: 43 Resp: 3141
Ion Ratio Lower Upper
43 100
58 36.3 26.9 80.7

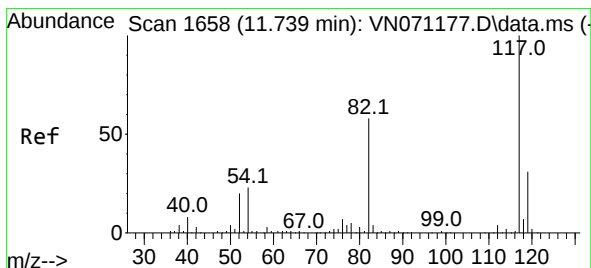
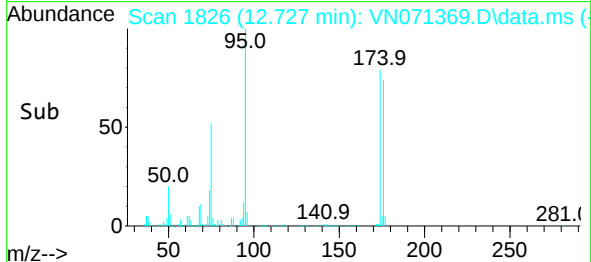
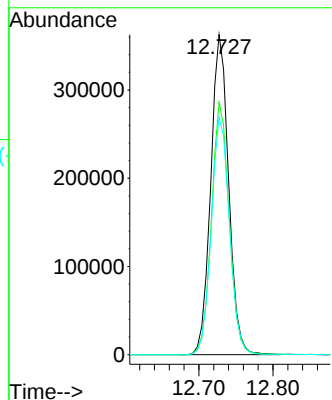
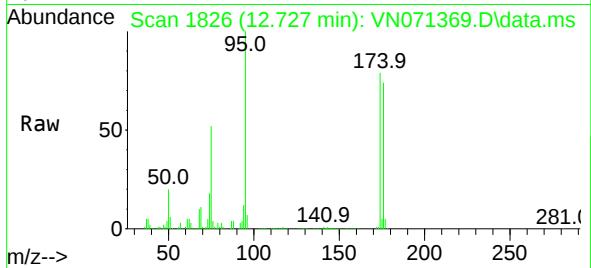




#62
4-Bromofluorobenzene
Concen: 52.223 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

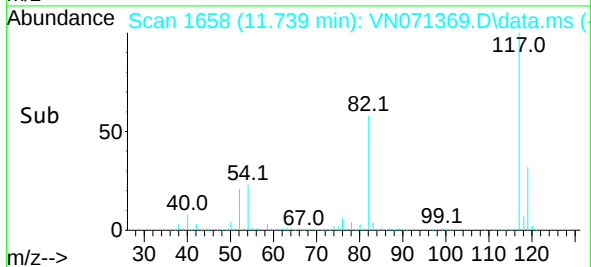
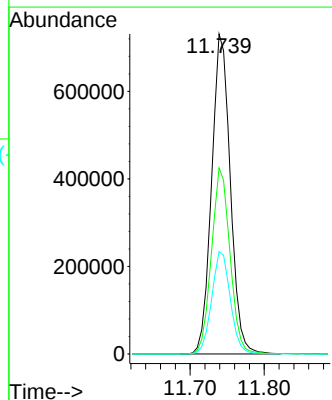
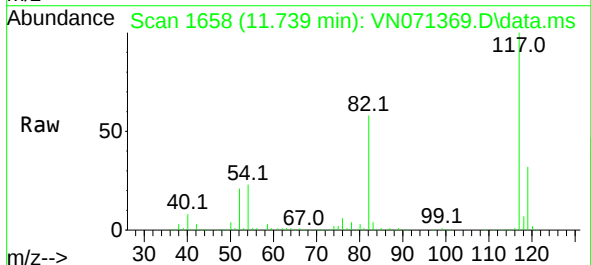
Instrument :
MSVOA_N
ClientSampleId :

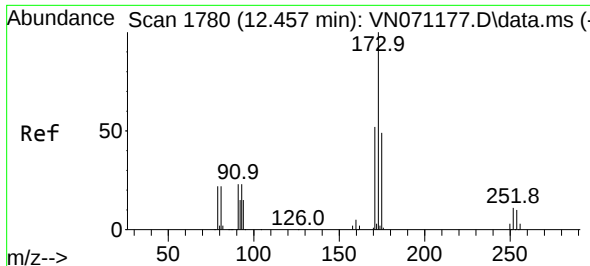
Tgt Ion: 95 Resp: 608567
Ion Ratio Lower Upper
95 100
174 78.5 0.0 187.2
176 75.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

Tgt Ion: 117 Resp: 1282197
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 31.9 25.4 38.2

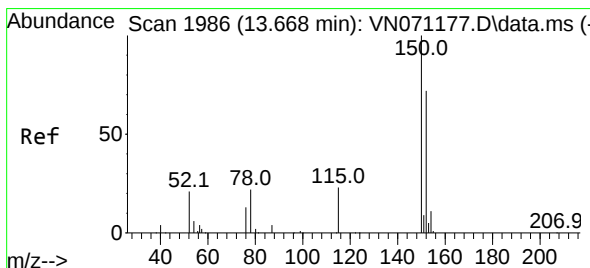
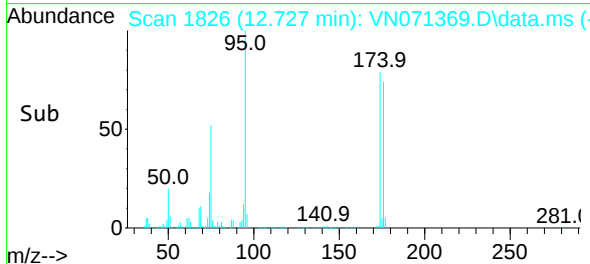
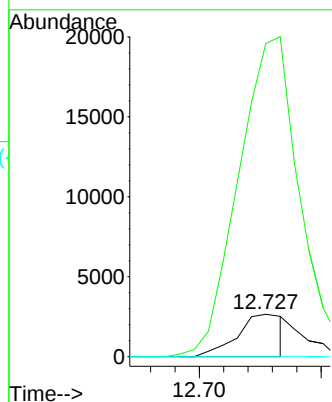
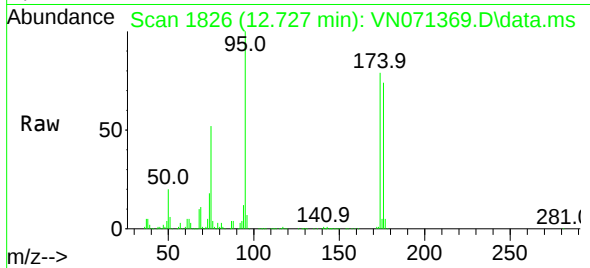




#71
Bromoform
Concen: 0.456 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

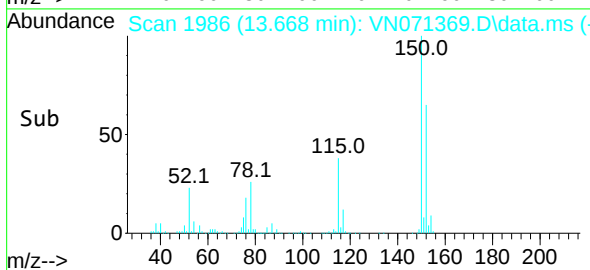
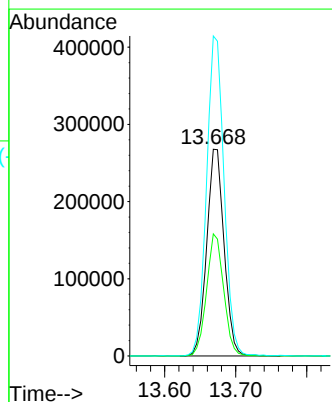
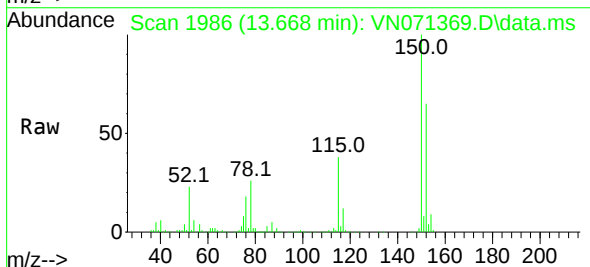
Instrument :
MSVOA_N
ClientSampleId :

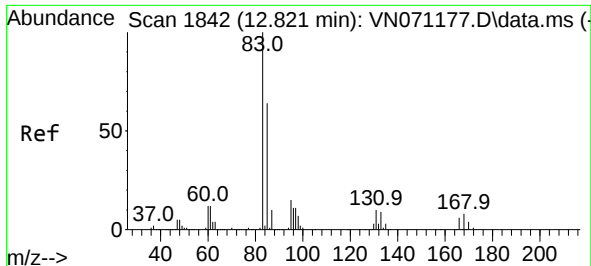
Tgt Ion:173 Resp: 3494
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

Tgt Ion:152 Resp: 455932
Ion Ratio Lower Upper
152 100
115 58.1 27.5 82.5
150 156.1 0.0 344.4

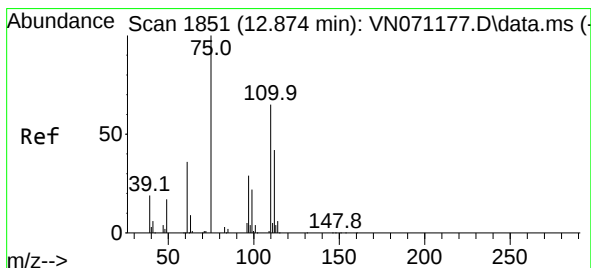
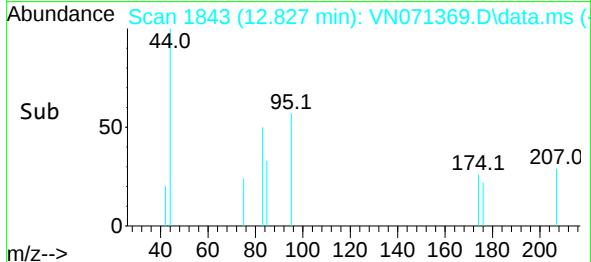
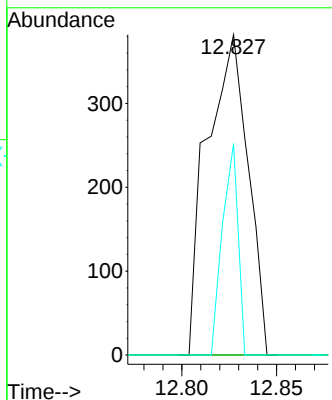
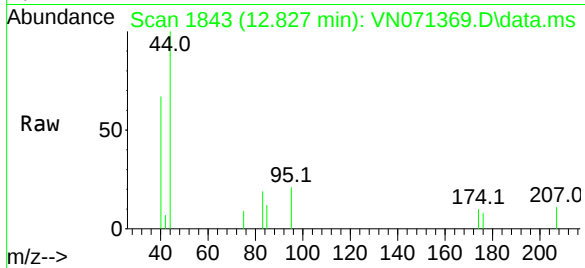




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

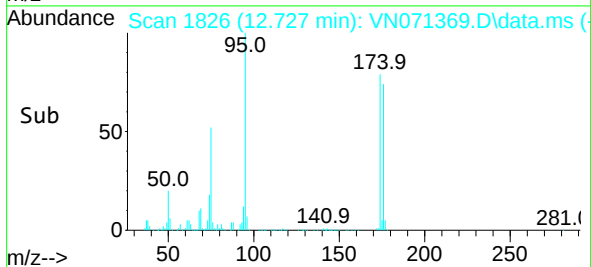
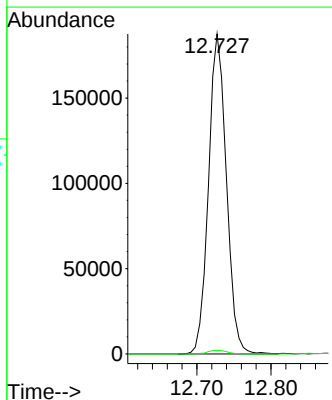
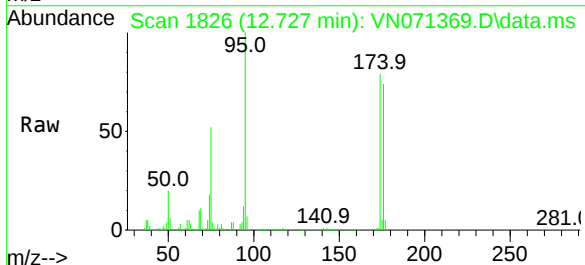
Instrument :
MSVOA_N
ClientSampleId :

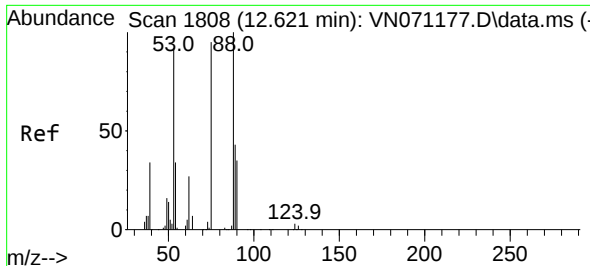
Tgt Ion: 83 Resp: 573
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 25.1 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.191 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

Tgt Ion: 75 Resp: 314691
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

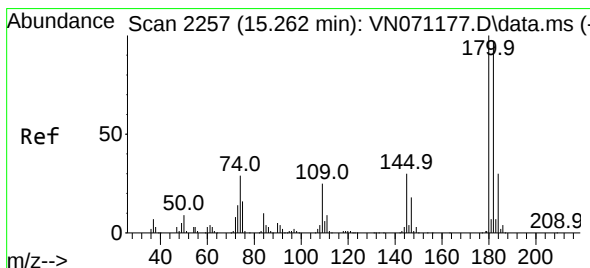
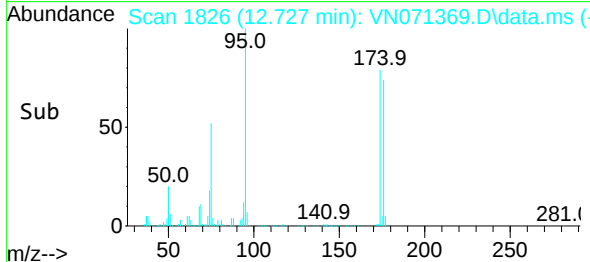
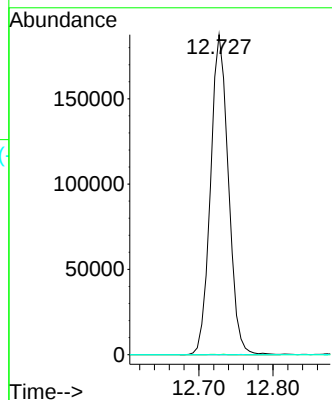
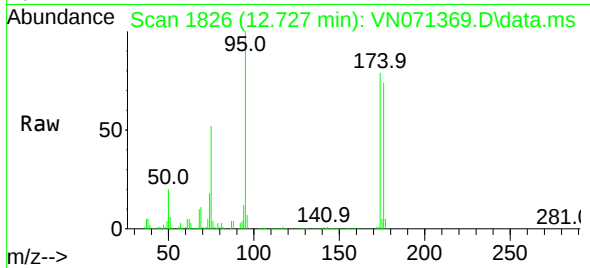




#81
trans-1,4-Dichloro-2-butene
Concen: 74.612 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

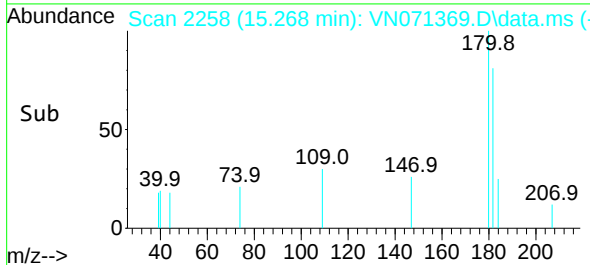
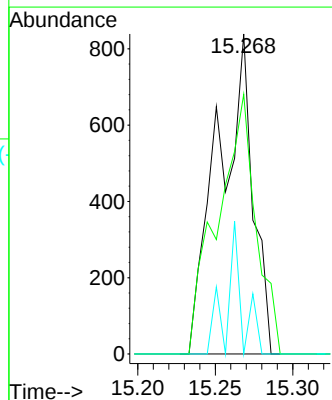
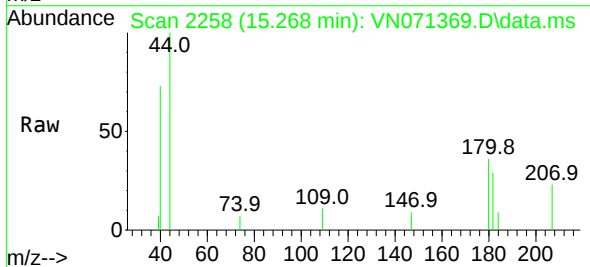
Instrument :
MSVOA_N
ClientSampleId :

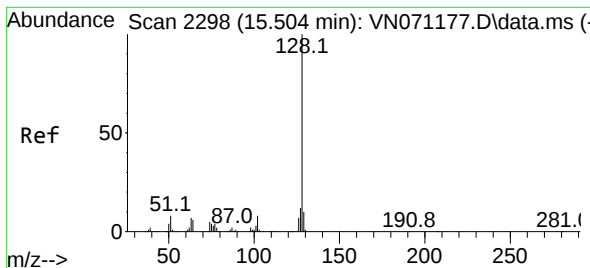
Tgt Ion: 75 Resp: 314691
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.153 ug/l
RT: 15.268 min Scan# 2258
Delta R.T. 0.006 min
Lab File: VN071369.D
Acq: 18 Mar 2022 13:53

Tgt Ion:180 Resp: 1303
Ion Ratio Lower Upper
180 100
182 89.7 48.3 144.9
145 18.5 14.5 43.5





#95

Naphthalene

Concen: 5.207 ug/l

RT: 15.509 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN071369.D

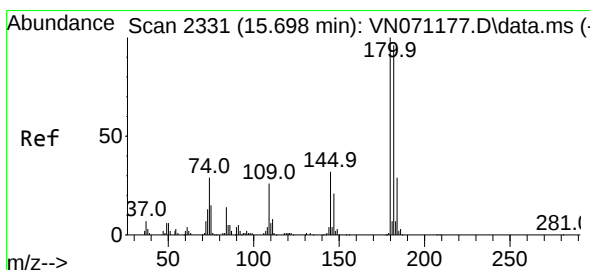
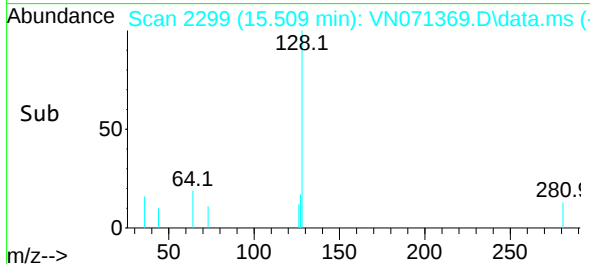
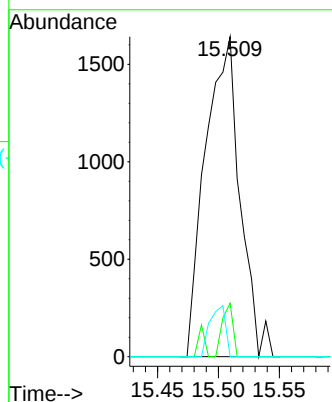
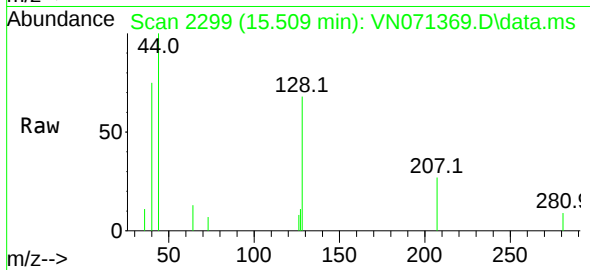
Acq: 18 Mar 2022 13:53

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	3243
Ion Ratio	Lower	Upper
128	100	
127	5.2	10.5 15.7#
129	7.2	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.898 ug/l

RT: 15.704 min Scan# 2332

Delta R.T. 0.006 min

Lab File: VN071369.D

Acq: 18 Mar 2022 13:53

Tgt Ion:180	Resp:	1259
Ion Ratio	Lower	Upper
180	100	
182	108.0	47.4 142.2
145	5.6	15.0 45.1#

