

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072522\
 Data File : VN073576.D
 Acq On : 25 Jul 2022 13:54
 Operator : JC\MD
 Sample : N3771-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2V

Quant Time: Jul 26 02:16:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

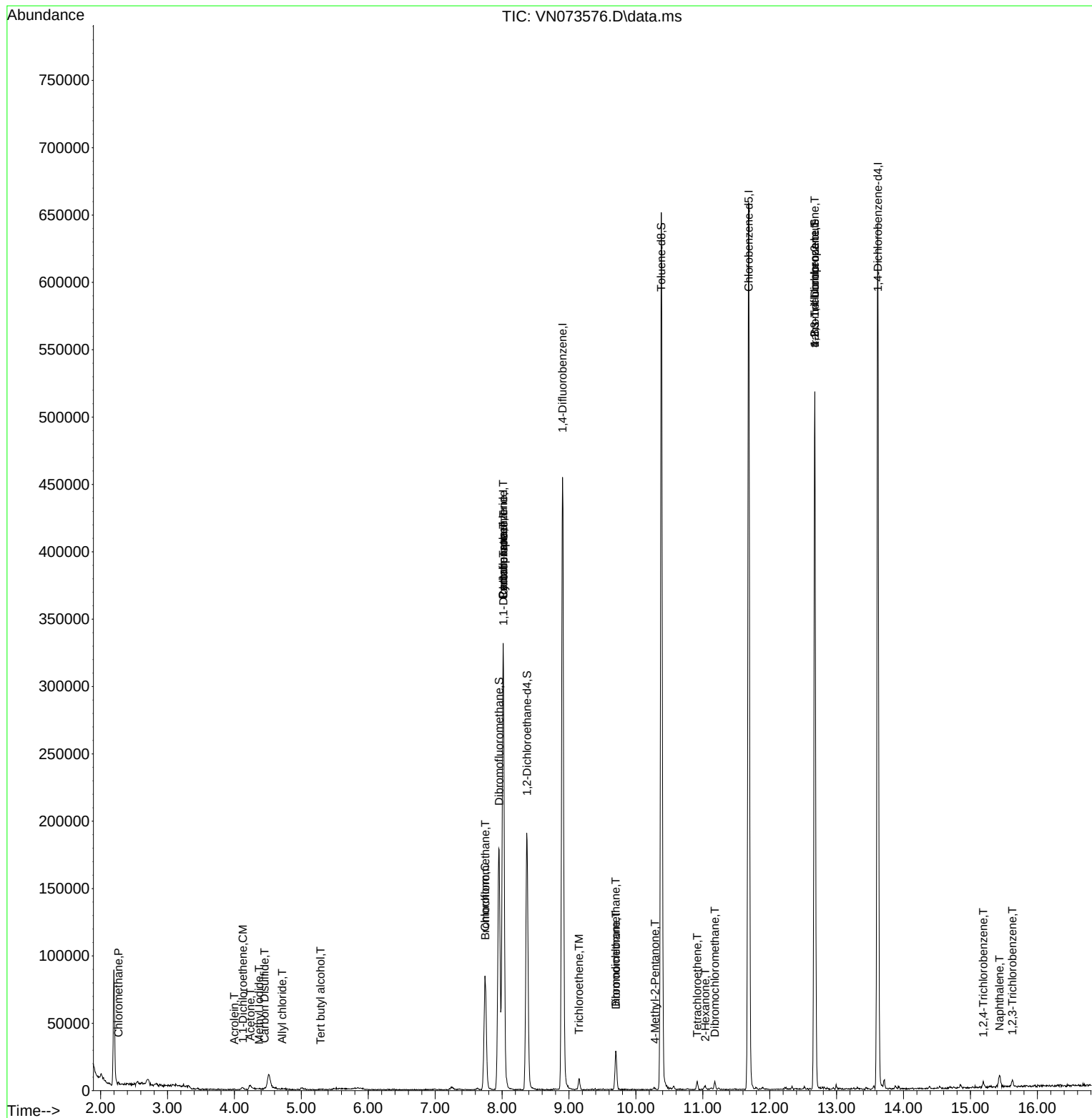
Internal Standards						
1) Pentafluorobenzene	8.016	168	247524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	400598	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	368029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	170065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	156478	43.791	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.580%
35) Dibromofluoromethane	7.957	113	132279	49.631	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.260%
50) Toluene-d8	10.380	98	437594	46.228	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.460%
62) 4-Bromofluorobenzene	12.674	95	171484	47.140	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1109	0.316	ug/l	94
10) Methyl Iodide	4.369	142	847	3.921	ug/l #	56
11) Tert butyl alcohol	5.287	59	333	0.385	ug/l #	72
12) 1,1-Dichloroethene	4.128	96	783	0.269	ug/l	95
13) Acrolein	3.998	56	374	0.684	ug/l #	81
14) Allyl chloride	4.716	41	1499	0.244	ug/l #	31
16) Acetone	4.240	43	6696	3.338	ug/l #	73
17) Carbon Disulfide	4.451	76	1649	0.218	ug/l #	75
28) Bromochloromethane	7.751	49	7700	3.102	ug/l #	8
30) Chloroform	7.745	83	81020	13.571	ug/l	98
31) Cyclohexane	8.016	56	5764	0.985	ug/l #	1
36) 1,1-Dichloropropene	8.022	75	20387	4.971	ug/l #	50
38) Carbon Tetrachloride	8.016	117	26052	6.143	ug/l #	16
44) Trichloroethene	9.151	130	2960	0.919	ug/l	65
46) Dibromomethane	9.704	93	623	0.284	ug/l #	1
47) Bromodichloromethane	9.698	83	18583	4.380	ug/l #	95
51) 4-Methyl-2-Pentanone	10.286	43	1536	0.272	ug/l #	78
59) 2-Hexanone	11.039	43	2839	0.659	ug/l	79
60) Dibromochloromethane	11.180	129	3401	1.108	ug/l	95
64) Tetrachloroethene	10.916	164	1303	0.434	ug/l #	68
76) 1,2,3-Trichloropropane	12.674	75	92162	20.725	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	92162	56.838	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.192	180	1503	0.463	ug/l #	75
95) Naphthalene	15.433	128	10803	0.824	ug/l	97
96) 1,2,3-Trichlorobenzene	15.627	180	2322	0.693	ug/l	85

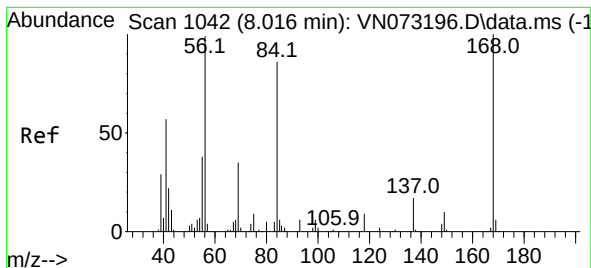
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.000 min

Lab File: VN073576.D

Acq: 25 Jul 2022 13:54

Instrument :

MSVOA_N

ClientSampleId :

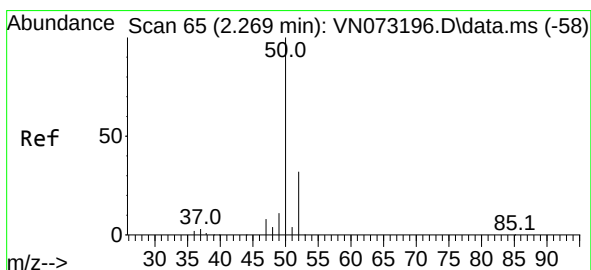
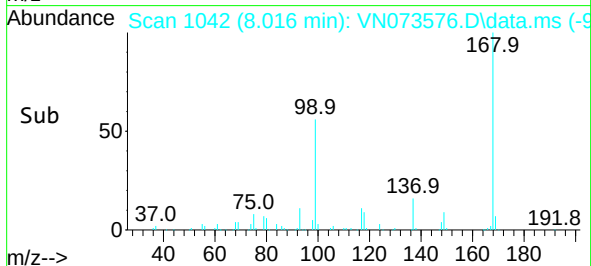
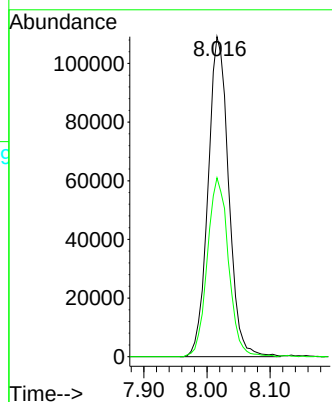
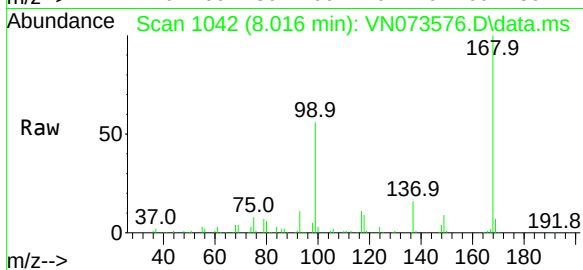
MW-2V

Tgt Ion:168 Resp: 247524

Ion Ratio Lower Upper

168 100

99 55.9 42.3 63.5



#3

Chloromethane

Concen: 0.316 ug/l

RT: 2.269 min Scan# 65

Delta R.T. 0.000 min

Lab File: VN073576.D

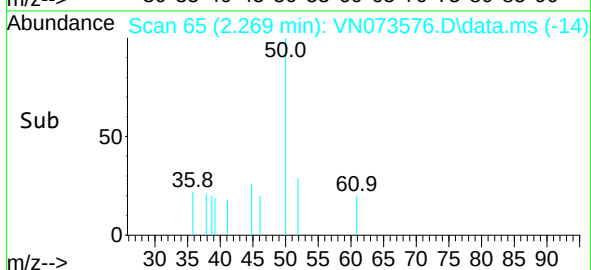
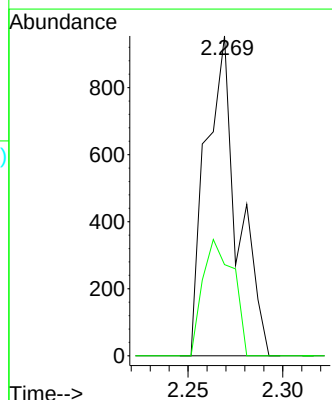
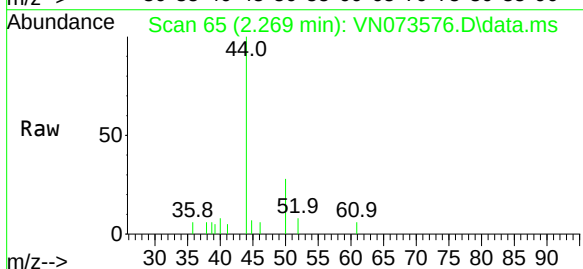
Acq: 25 Jul 2022 13:54

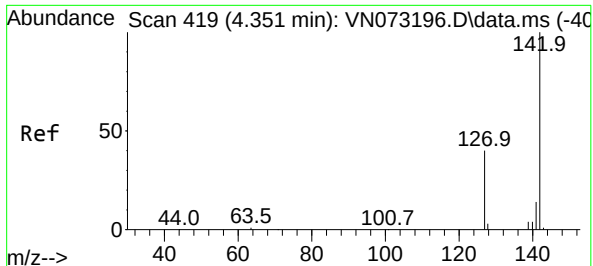
Tgt Ion: 50 Resp: 1109

Ion Ratio Lower Upper

50 100

52 28.5 25.7 38.5

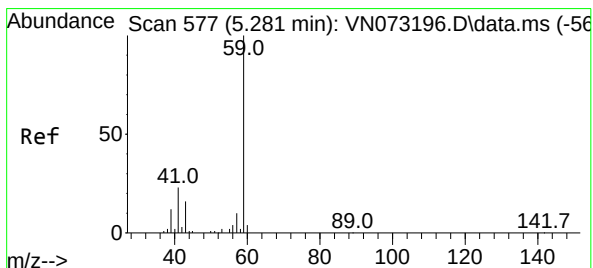
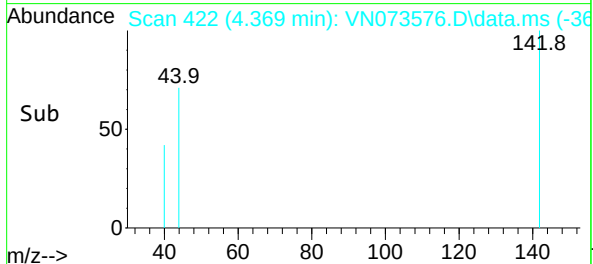
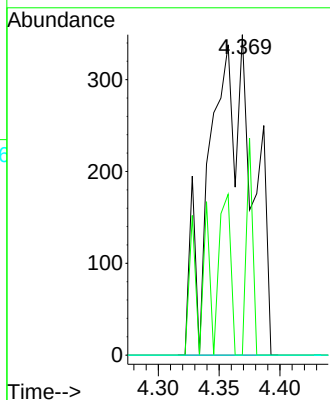
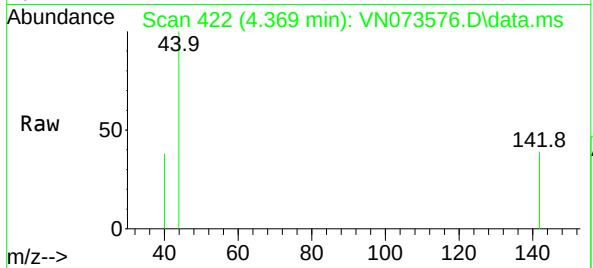




#10
Methyl Iodide
Concen: 3.921 ug/l
RT: 4.369 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

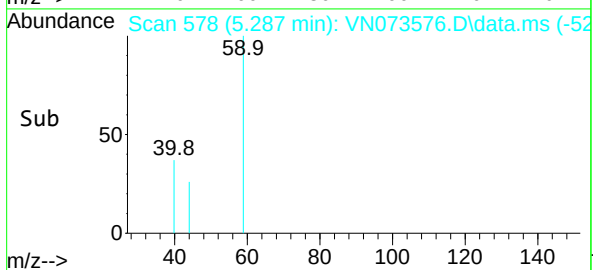
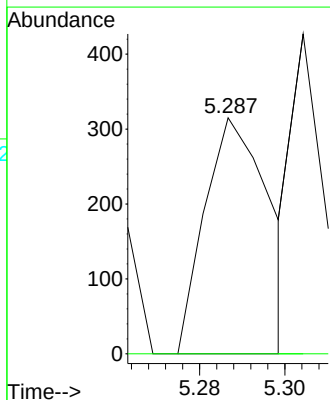
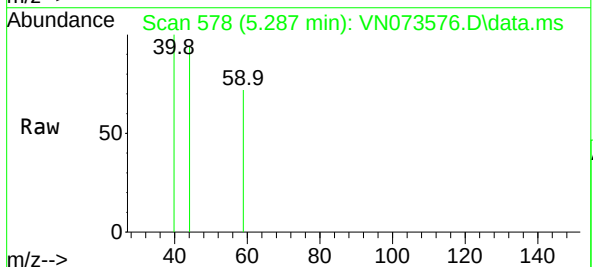
Instrument :
MSVOA_N
ClientSampleId :
MW-2V

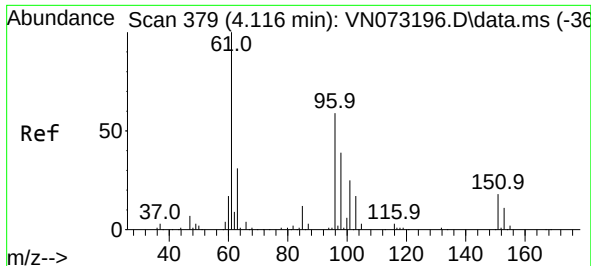
Tgt Ion:142 Resp: 847
Ion Ratio Lower Upper
142 100
127 9.8 31.3 46.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.385 ug/l
RT: 5.287 min Scan# 578
Delta R.T. 0.006 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

Tgt Ion: 59 Resp: 333
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

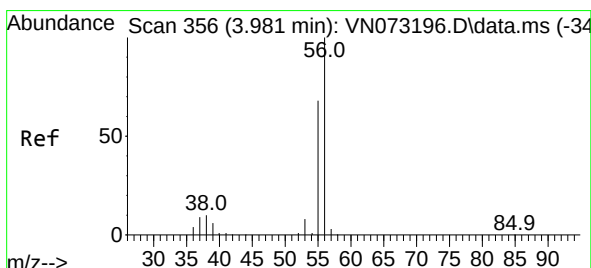
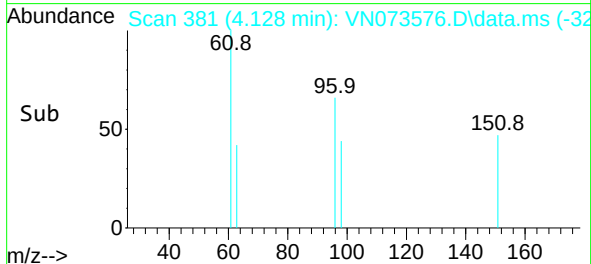
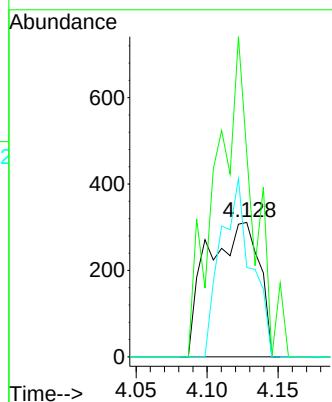
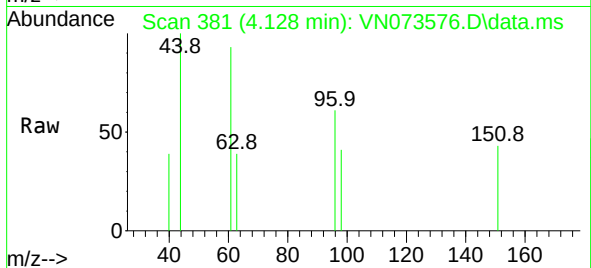




#12
1,1-Dichloroethene
Concen: 0.269 ug/l
RT: 4.128 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

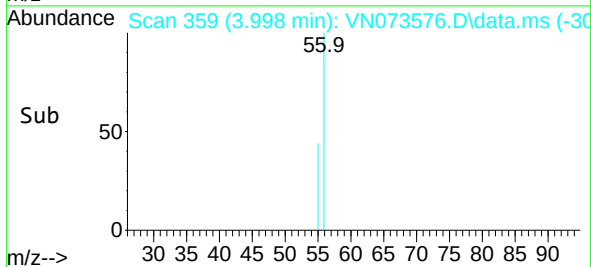
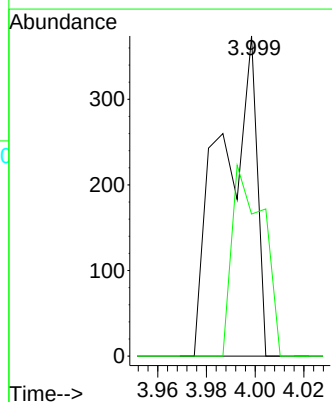
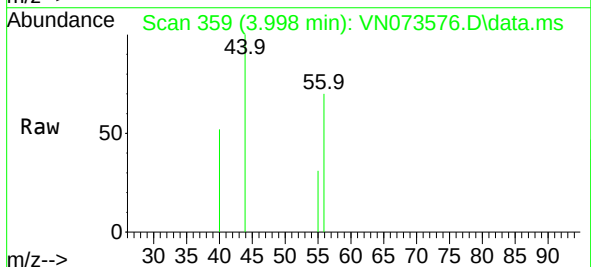
Instrument :
MSVOA_N
ClientSampleId :
MW-2V

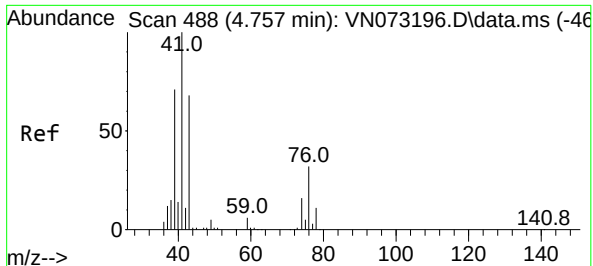
Tgt Ion: 96 Resp: 783
Ion Ratio Lower Upper
96 100
61 151.4 127.6 191.4
98 66.6 51.2 76.8



#13
Acrolein
Concen: 0.684 ug/l
RT: 3.998 min Scan# 359
Delta R.T. 0.018 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

Tgt Ion: 56 Resp: 374
Ion Ratio Lower Upper
56 100
55 52.9 54.8 82.2#

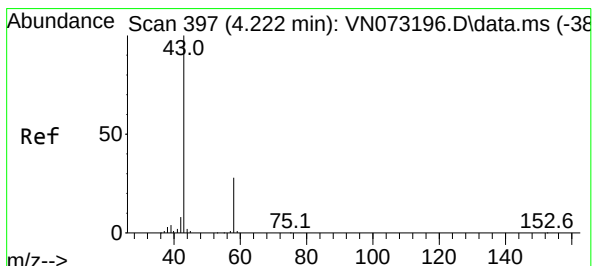
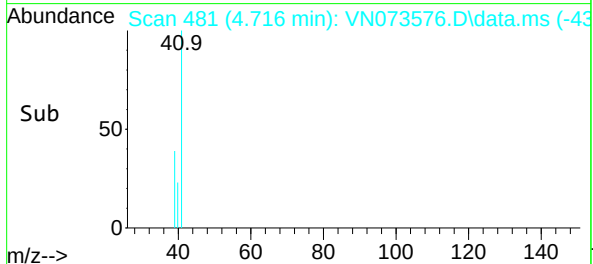
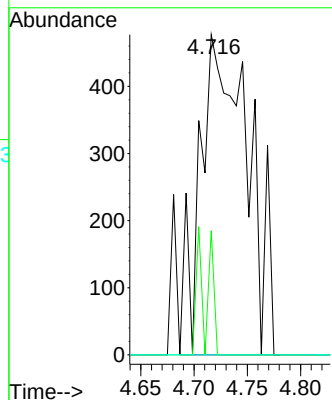
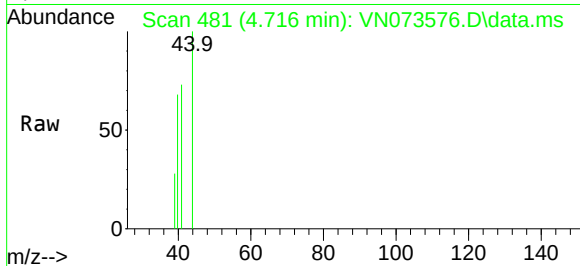




#14
 Allyl chloride
 Concen: 0.244 ug/l
 RT: 4.716 min Scan# 41
 Delta R.T. -0.041 min
 Lab File: VN073576.D
 Acq: 25 Jul 2022 13:54

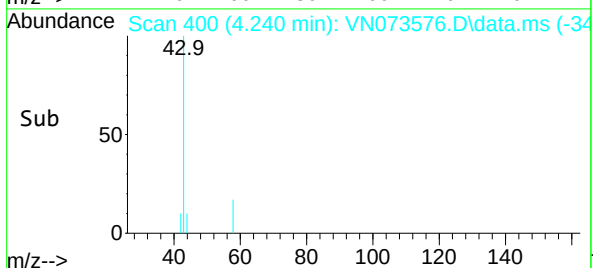
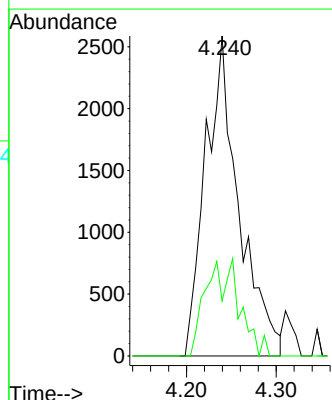
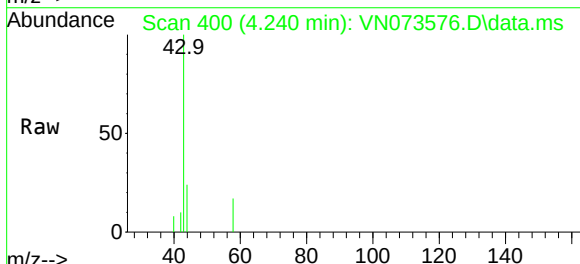
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2V

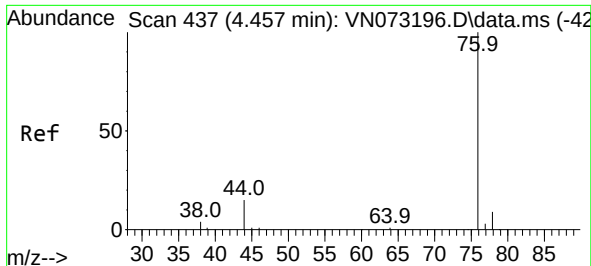
Tgt Ion: 41 Resp: 1499
 Ion Ratio Lower Upper
 41 100
 39 8.9 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 3.338 ug/l
 RT: 4.240 min Scan# 400
 Delta R.T. 0.018 min
 Lab File: VN073576.D
 Acq: 25 Jul 2022 13:54

Tgt Ion: 43 Resp: 6696
 Ion Ratio Lower Upper
 43 100
 58 17.2 26.0 39.0#

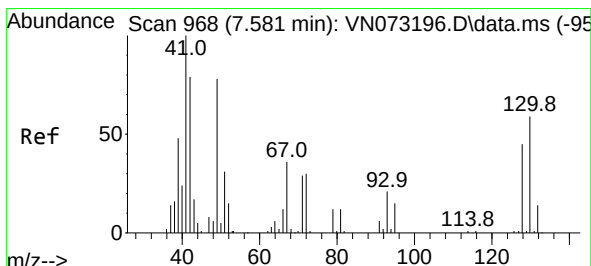
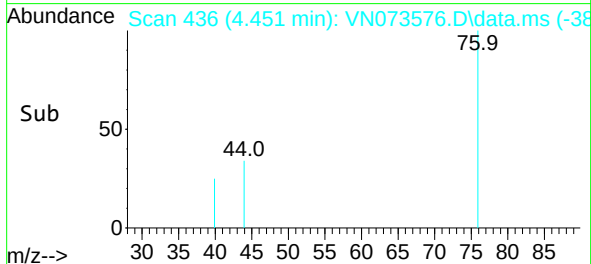
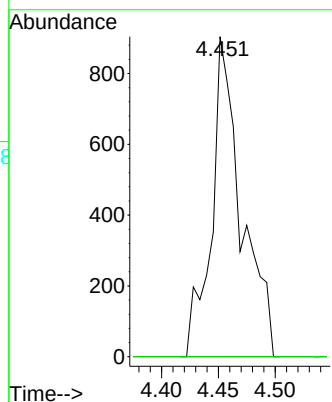
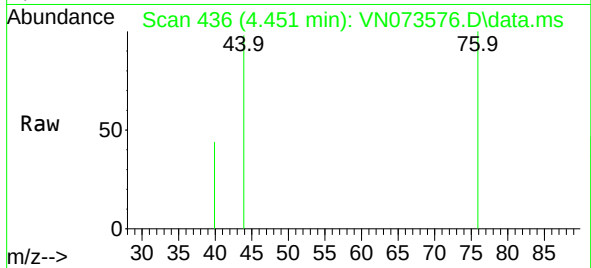




#17
Carbon Disulfide
Concen: 0.218 ug/l
RT: 4.451 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

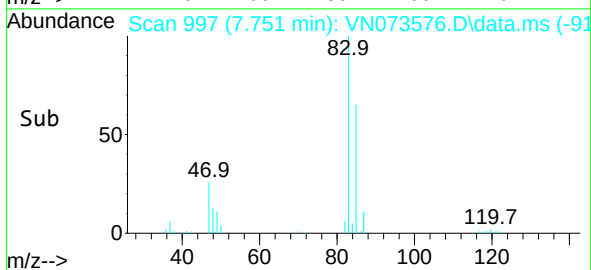
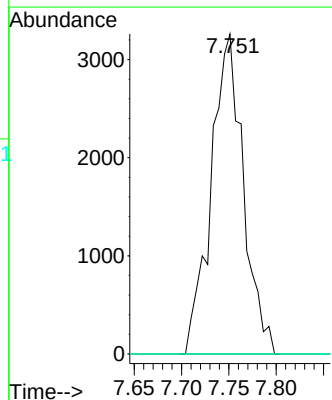
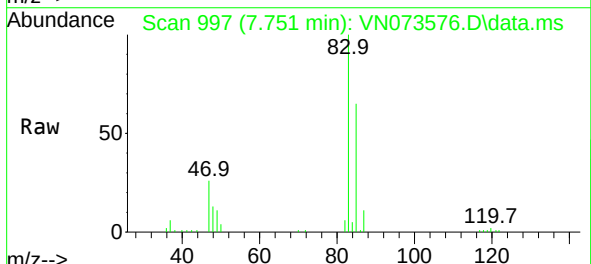
Instrument :
MSVOA_N
ClientSampleId :
MW-2V

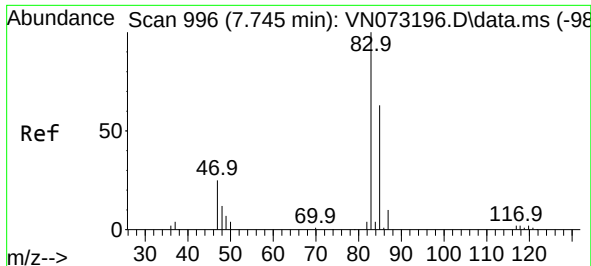
Tgt Ion: 76 Resp: 1649
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#28
Bromochloromethane
Concen: 3.102 ug/l
RT: 7.751 min Scan# 997
Delta R.T. 0.170 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

Tgt Ion: 49 Resp: 7700
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#

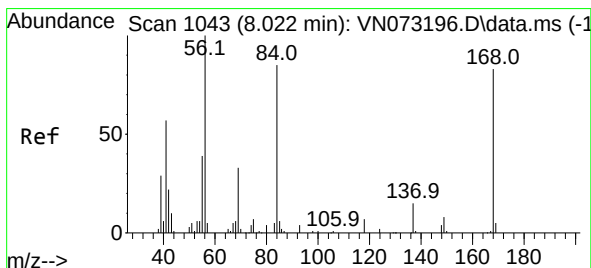
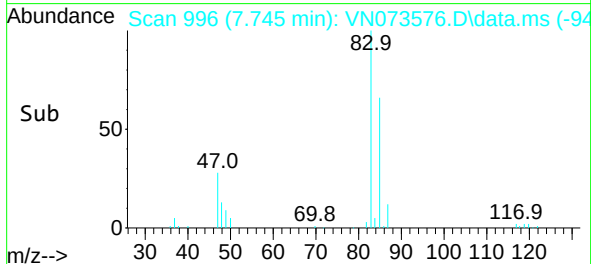
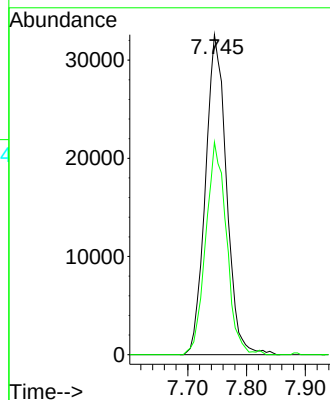
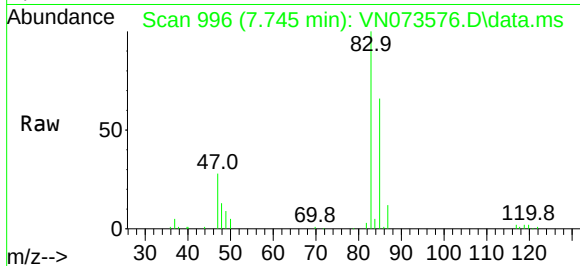




#30
Chloroform
Concen: 13.571 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

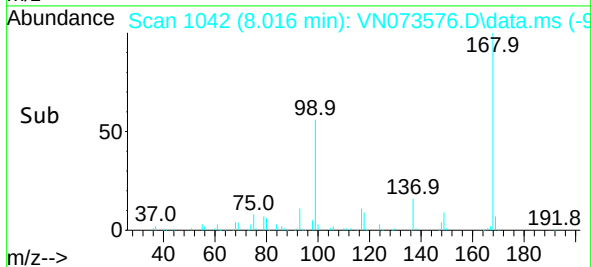
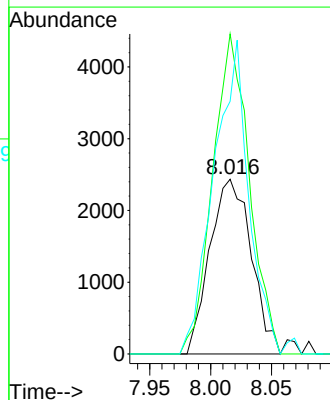
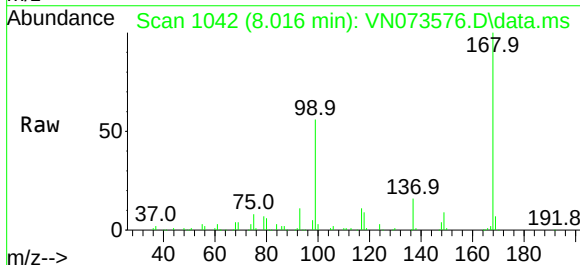
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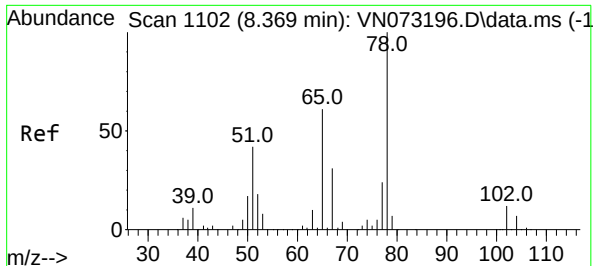
Tgt Ion: 83 Resp: 81020
Ion Ratio Lower Upper
83 100
85 66.4 51.8 77.8



#31
Cyclohexane
Concen: 0.985 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

Tgt Ion: 56 Resp: 5764
Ion Ratio Lower Upper
56 100
69 183.1 27.8 41.8#
84 144.5 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 43.791 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073576.D

Acq: 25 Jul 2022 13:54

Instrument :

MSVOA_N

ClientSampleId :

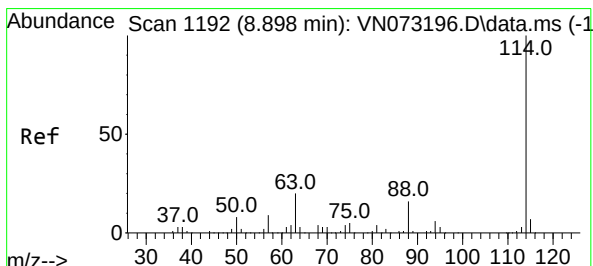
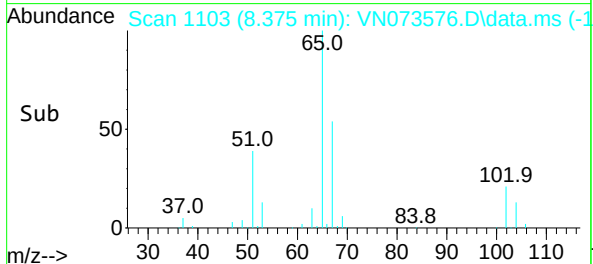
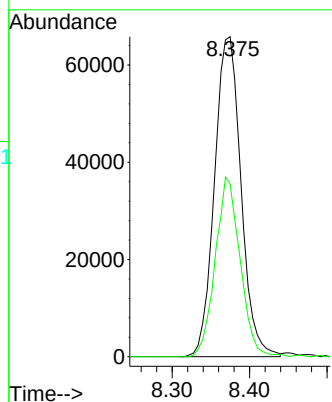
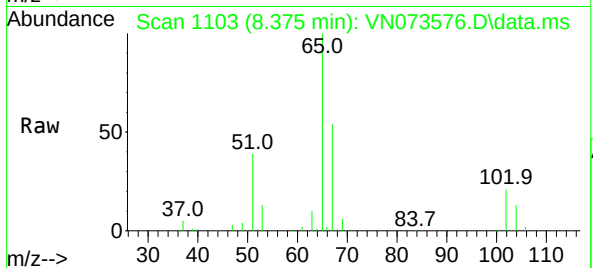
MW-2V

Tgt Ion: 65 Resp: 156478

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073576.D

Acq: 25 Jul 2022 13:54

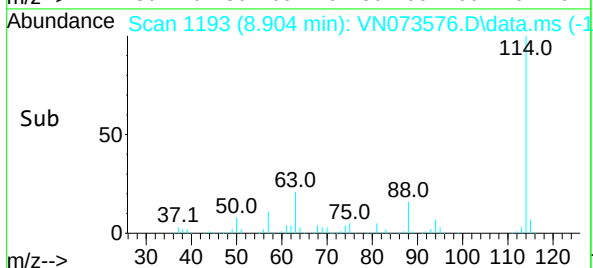
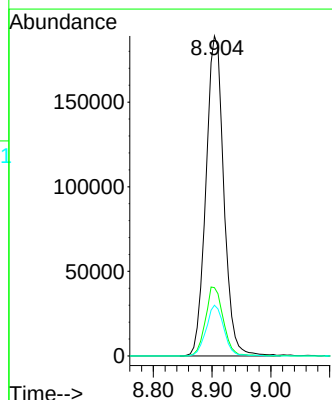
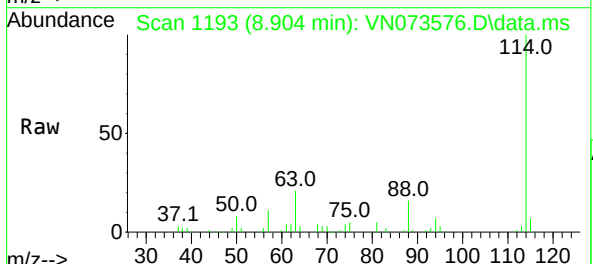
Tgt Ion: 114 Resp: 400598

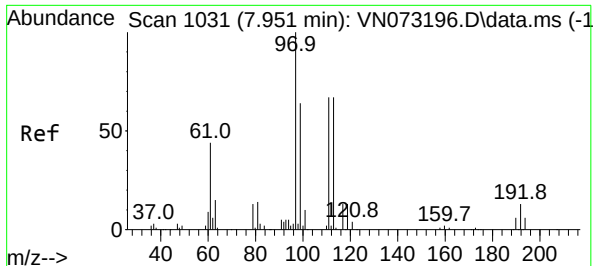
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.631 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073576.D

Acq: 25 Jul 2022 13:54

Instrument :

MSVOA_N

ClientSampleId :

MW-2V

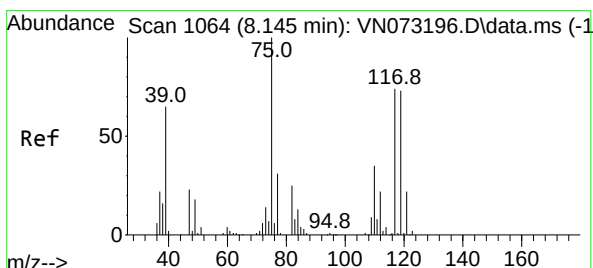
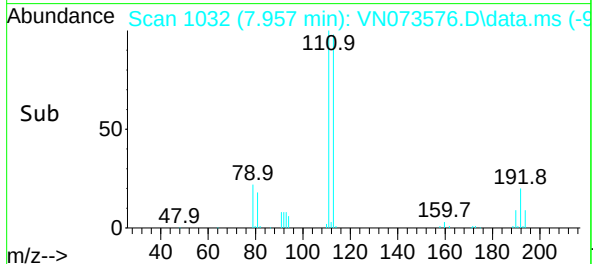
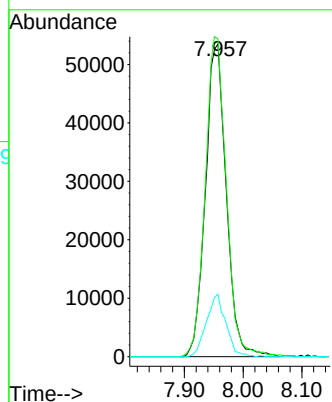
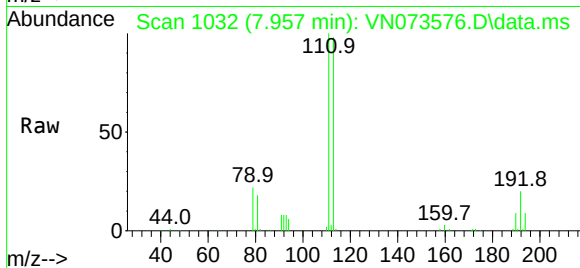
Tgt Ion:113 Resp: 132279

Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

192 18.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.971 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.123 min

Lab File: VN073576.D

Acq: 25 Jul 2022 13:54

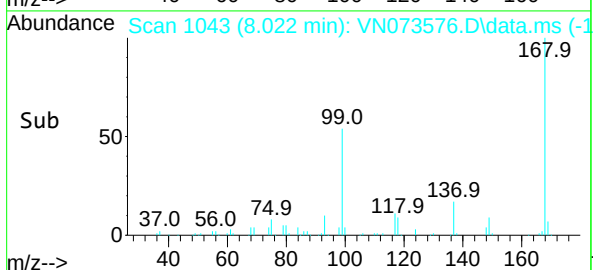
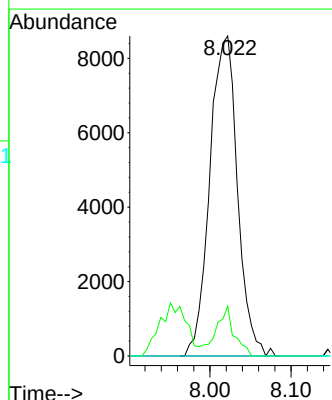
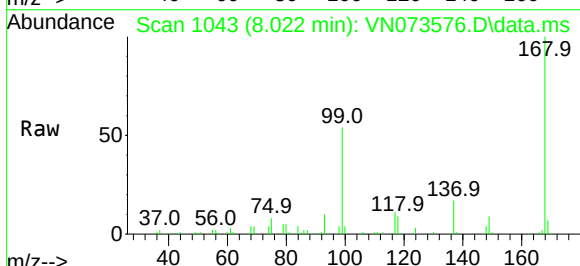
Tgt Ion: 75 Resp: 20387

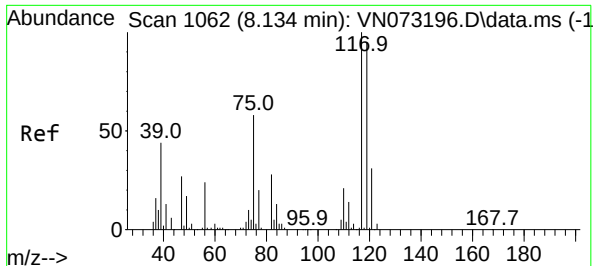
Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 25.1 37.7#

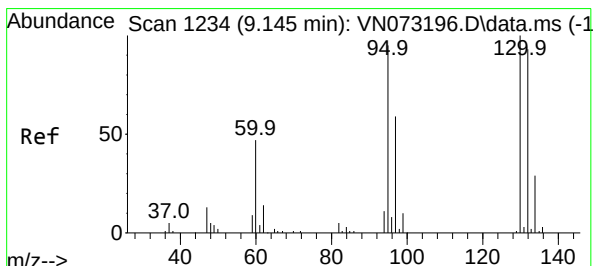
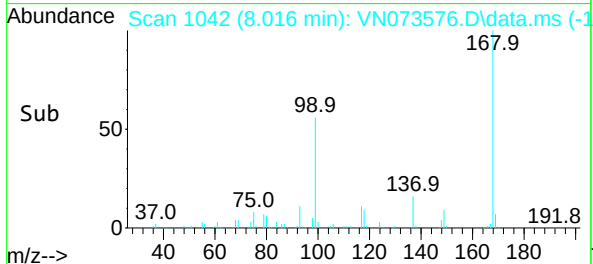
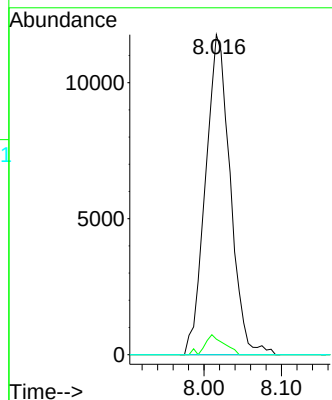
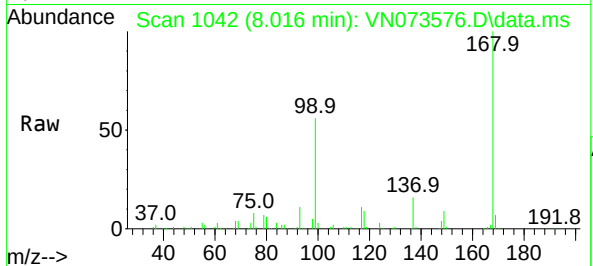




#38
Carbon Tetrachloride
Concen: 6.143 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.118 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

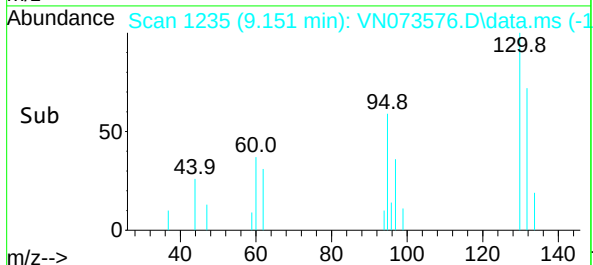
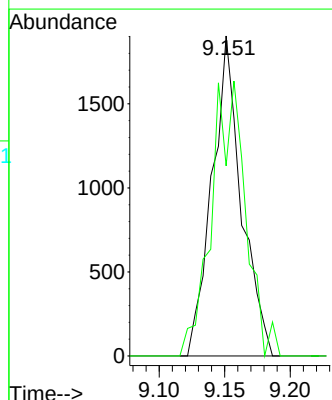
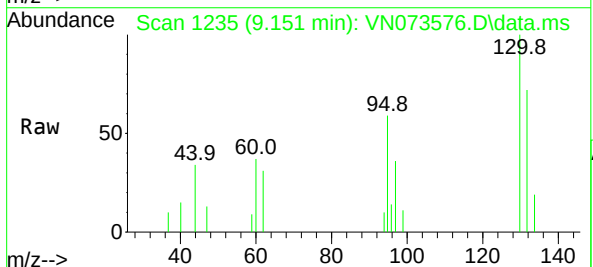
Instrument :
MSVOA_N
ClientSampleId :
MW-2V

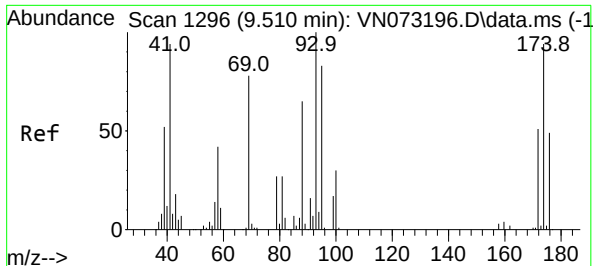
Tgt Ion:117 Resp: 26052
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#



#44
Trichloroethene
Concen: 0.919 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

Tgt Ion:130 Resp: 2960
Ion Ratio Lower Upper
130 100
95 59.4 0.0 186.8

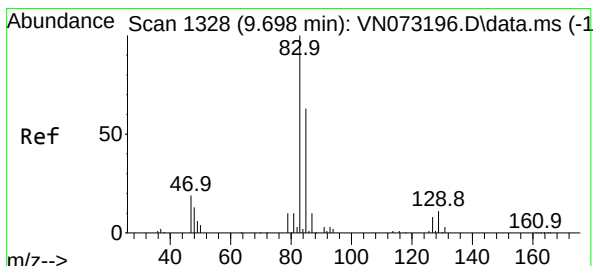
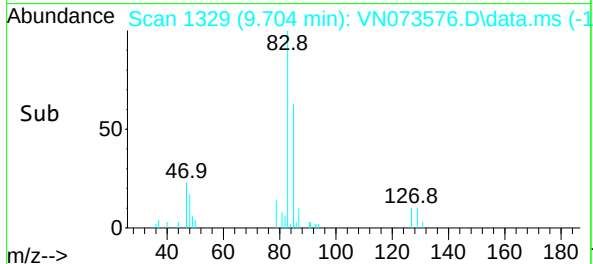
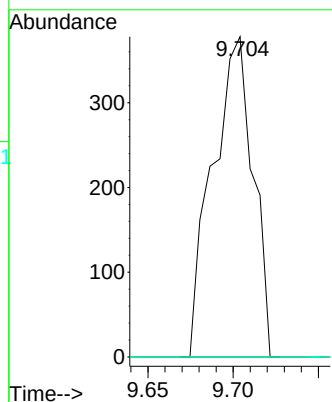
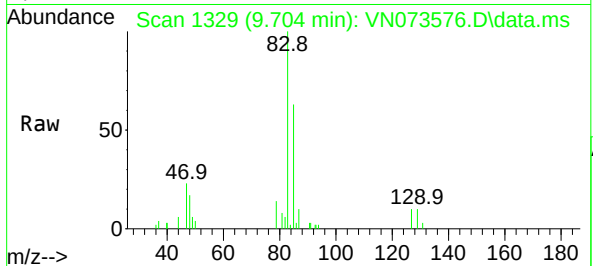




#46
Dibromomethane
Concen: 0.284 ug/l
RT: 9.704 min Scan# 1329
Delta R.T. 0.194 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

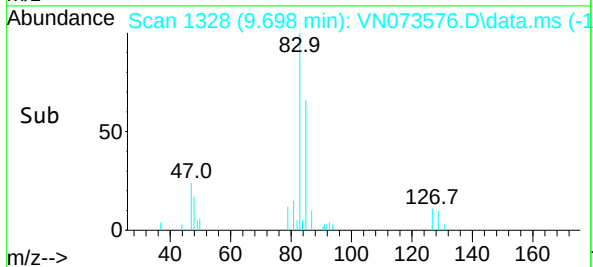
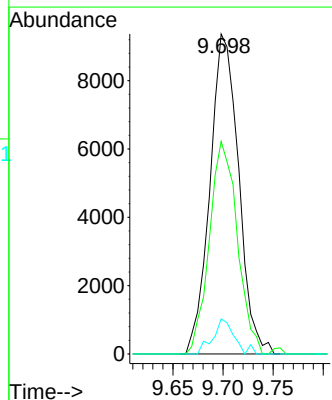
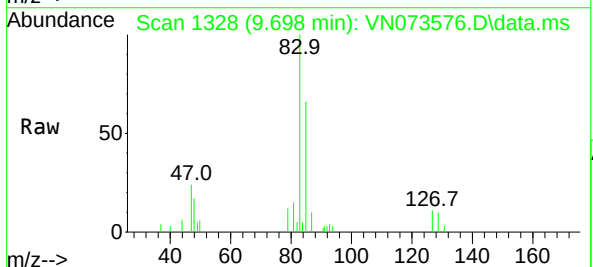
Instrument :
MSVOA_N
ClientSampleId :
MW-2V

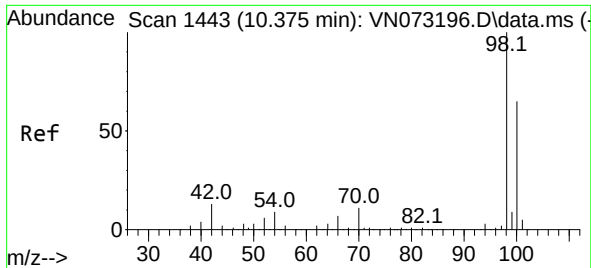
Tgt Ion: 93 Resp: 623
Ion Ratio Lower Upper
93 100
95 0.0 66.9 100.3#
174 0.0 86.6 130.0#



#47
Bromodichloromethane
Concen: 4.380 ug/l
RT: 9.698 min Scan# 1328
Delta R.T. 0.000 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

Tgt Ion: 83 Resp: 18583
Ion Ratio Lower Upper
83 100
85 66.4 50.5 75.7
127 11.0 6.8 10.2#

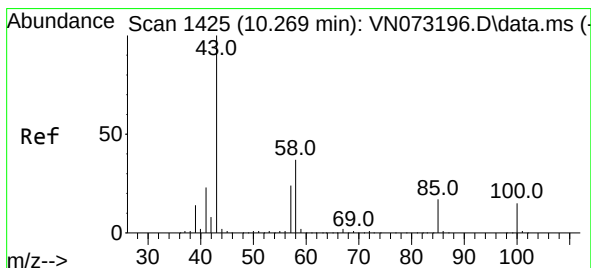
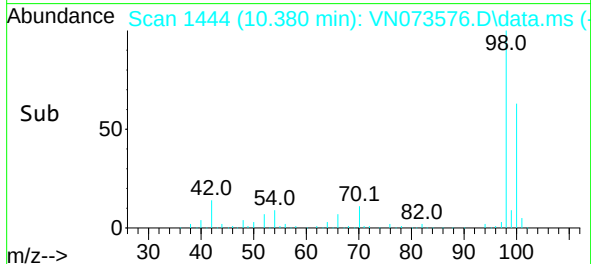
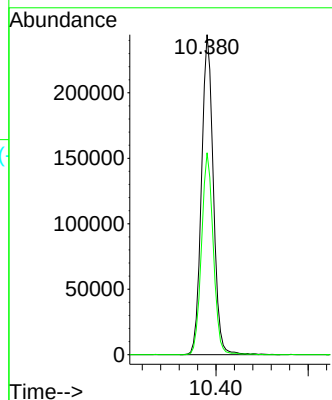
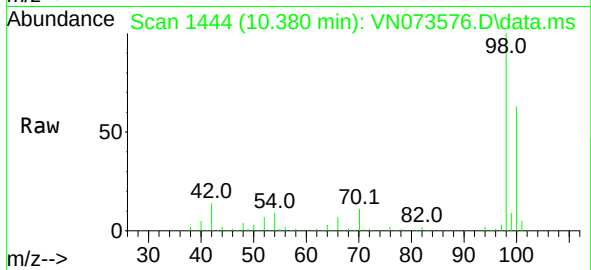




#50
Toluene-d8
Concen: 46.228 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

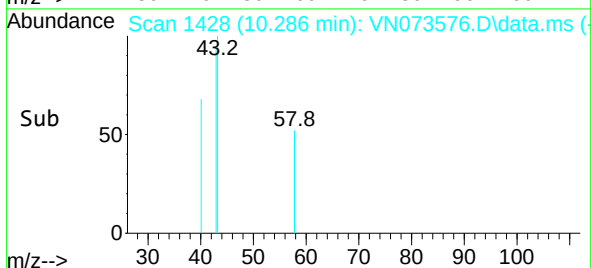
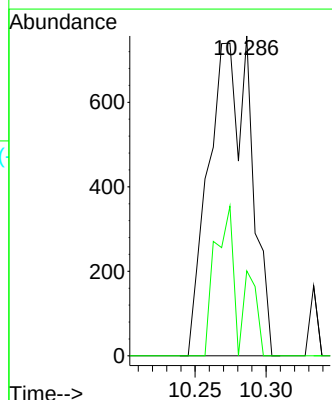
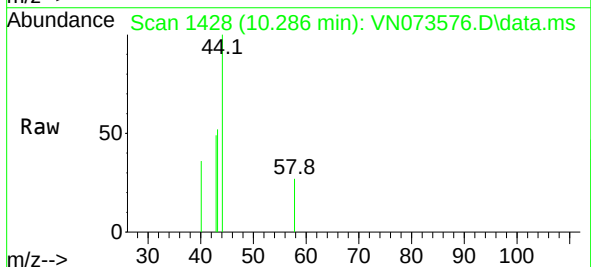
Instrument :
MSVOA_N
ClientSampleId :
MW-2V

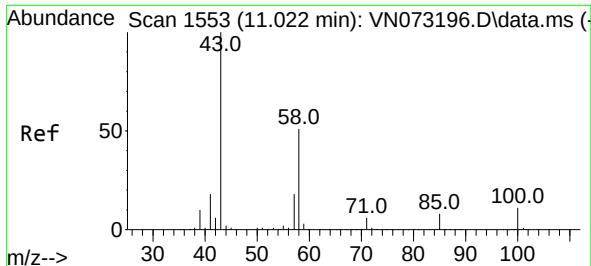
Tgt Ion: 98 Resp: 437594
Ion Ratio Lower Upper
98 100
100 62.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.272 ug/l
RT: 10.286 min Scan# 1428
Delta R.T. 0.017 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

Tgt Ion: 43 Resp: 1536
Ion Ratio Lower Upper
43 100
58 28.6 34.1 51.1#

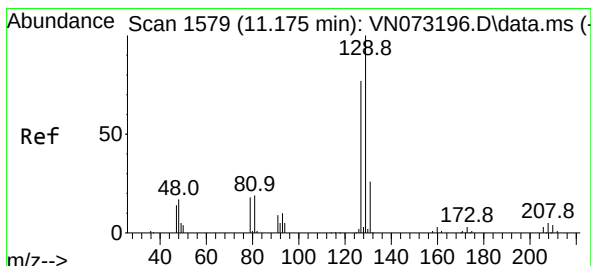
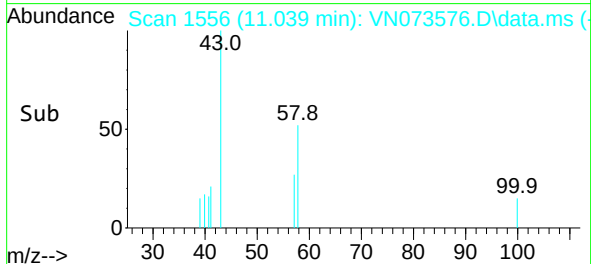
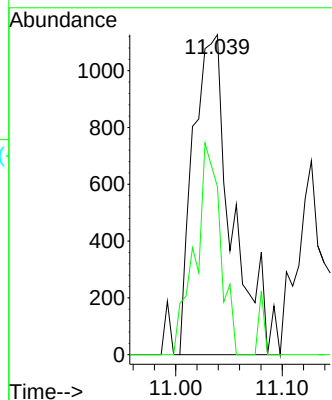
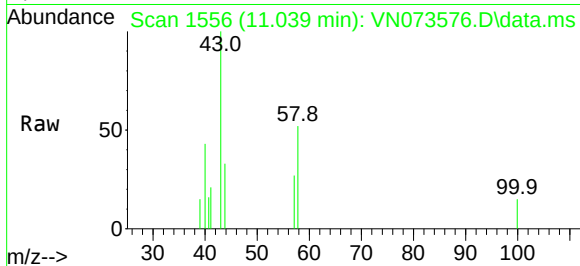




#59
2-Hexanone
Concen: 0.659 ug/l
RT: 11.039 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

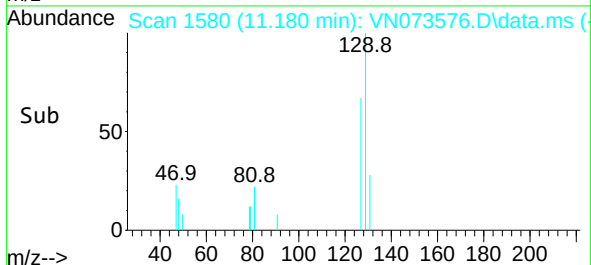
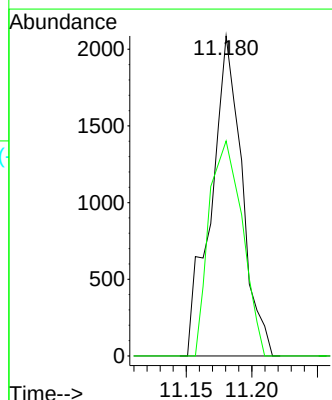
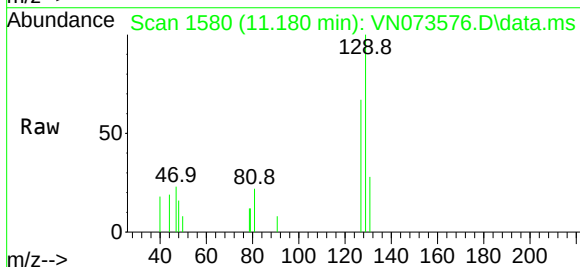
Instrument :
MSVOA_N
ClientSampleId :
MW-2V

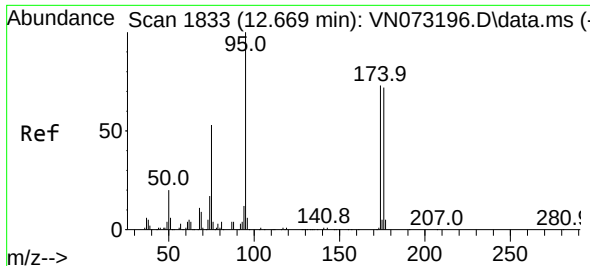
Tgt Ion: 43 Resp: 2839
Ion Ratio Lower Upper
43 100
58 43.4 29.7 89.1



#60
Dibromochloromethane
Concen: 1.108 ug/l
RT: 11.180 min Scan# 1580
Delta R.T. 0.005 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

Tgt Ion: 129 Resp: 3401
Ion Ratio Lower Upper
129 100
127 72.8 38.8 116.4

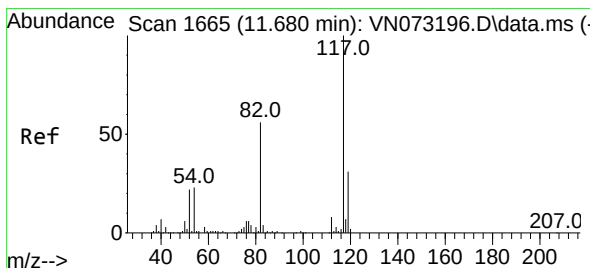
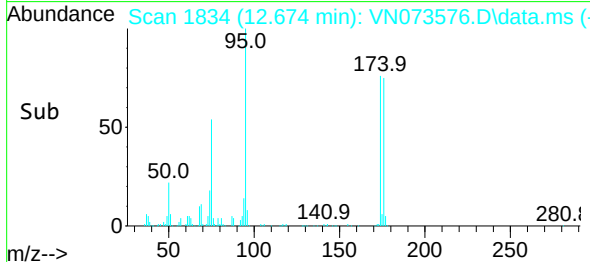
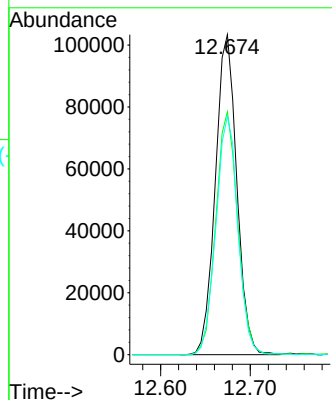
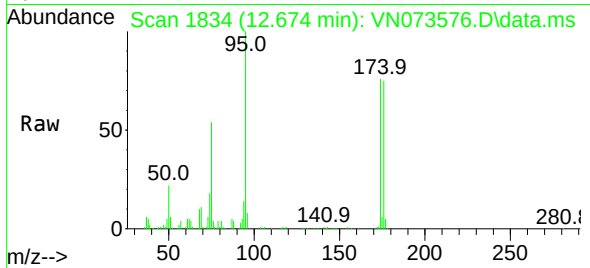




#62
4-Bromofluorobenzene
Concen: 47.140 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

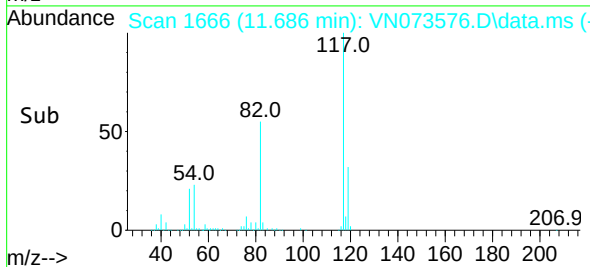
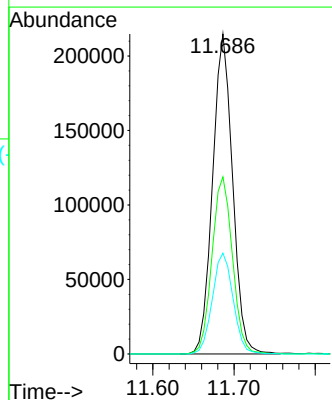
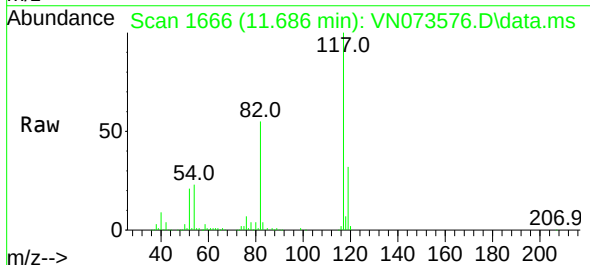
Instrument :
MSVOA_N
ClientSampleId :
MW-2V

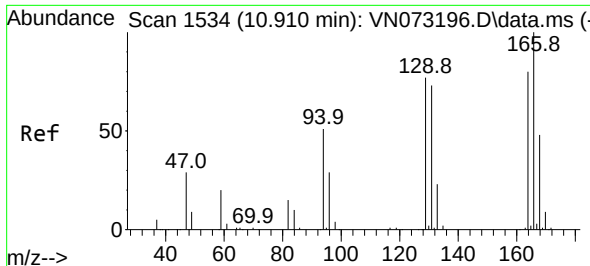
Tgt Ion: 95 Resp: 171484
Ion Ratio Lower Upper
95 100
174 77.7 0.0 167.6
176 75.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

Tgt Ion: 117 Resp: 368029
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 31.5 25.4 38.0

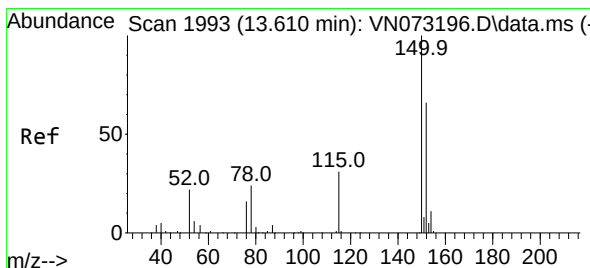
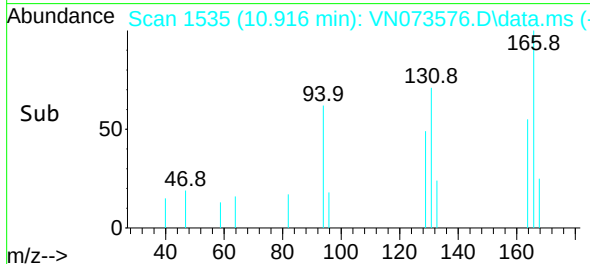
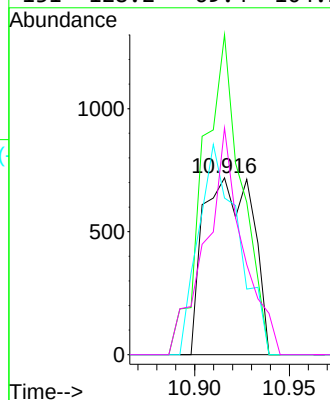
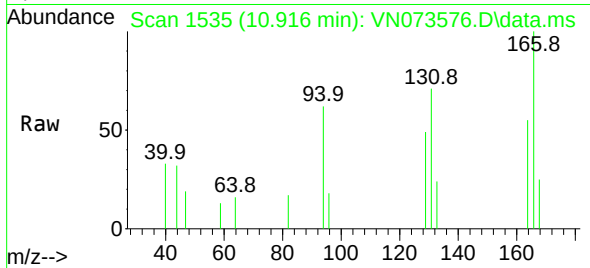




#64
Tetrachloroethene
Concen: 0.434 ug/l
RT: 10.916 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

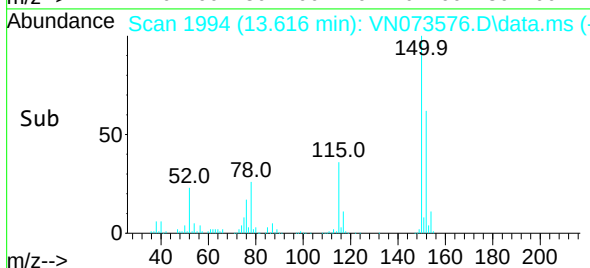
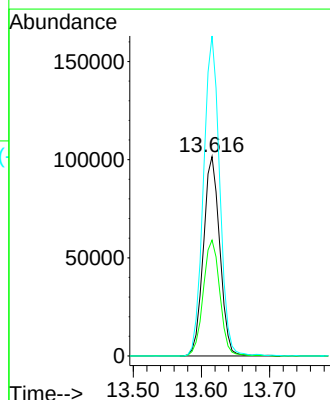
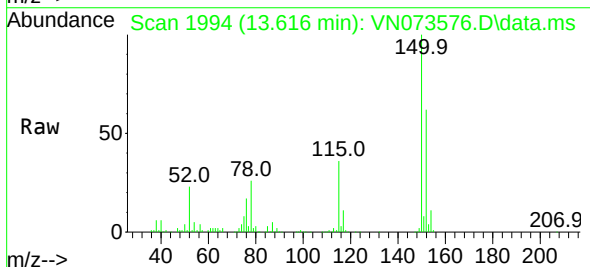
Instrument :
MSVOA_N
ClientSampleId :
MW-2V

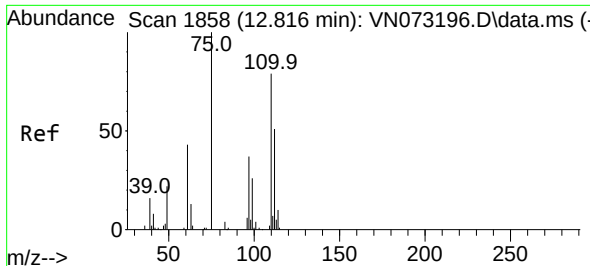
Tgt Ion:164 Resp: 1303
Ion Ratio Lower Upper
164 100
166 180.9 104.2 156.2#
129 88.6 73.9 110.9
131 128.2 69.4 104.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

Tgt Ion:152 Resp: 170065
Ion Ratio Lower Upper
152 100
115 59.0 28.9 86.7
150 158.0 0.0 356.2

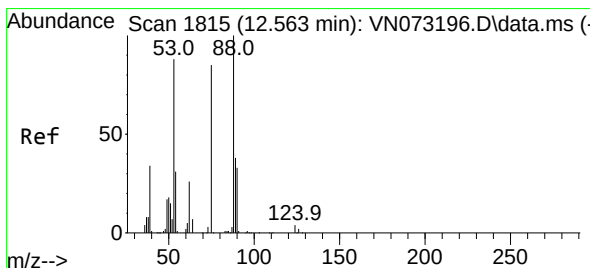
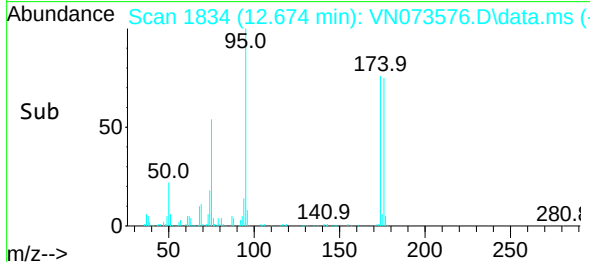
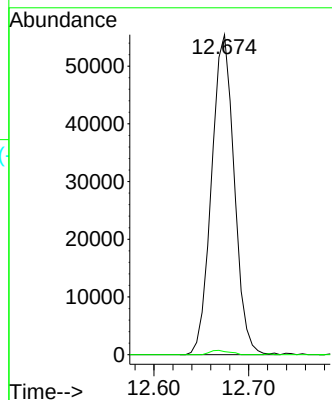
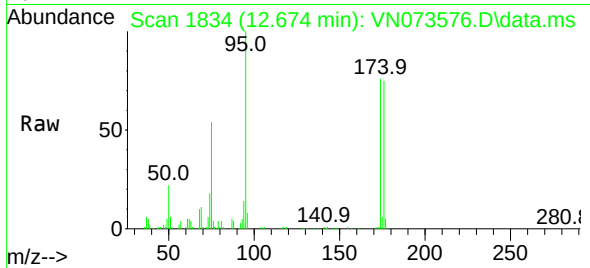




#76
1,2,3-Trichloropropane
Concen: 20.725 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.142 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

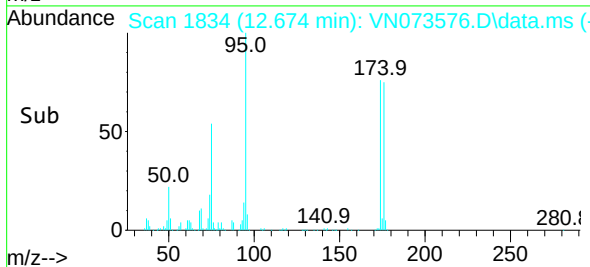
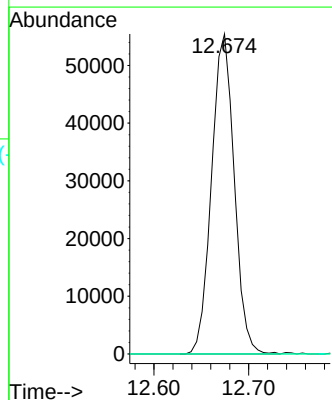
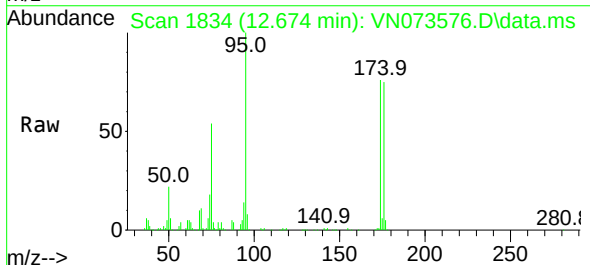
Instrument :
MSVOA_N
ClientSampleId :
MW-2V

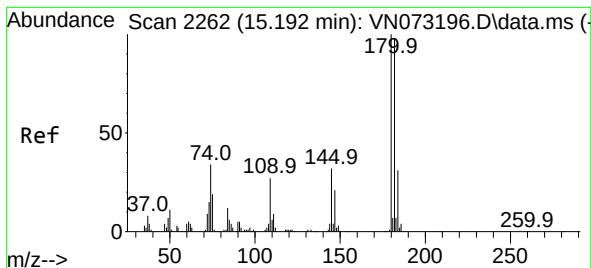
Tgt Ion: 75 Resp: 92162
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.838 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.111 min
Lab File: VN073576.D
Acq: 25 Jul 2022 13:54

Tgt Ion: 75 Resp: 92162
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#93

1,2,4-Trichlorobenzene

Concen: 0.463 ug/l

RT: 15.192 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN073576.D

Acq: 25 Jul 2022 13:54

Instrument :

MSVOA_N

ClientSampleId :

MW-2V

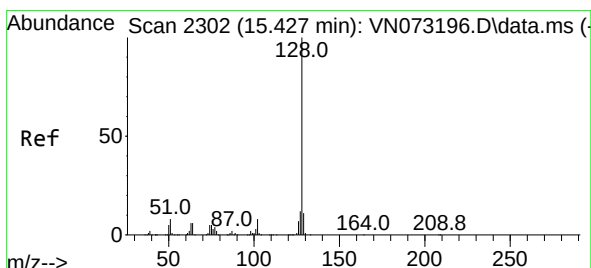
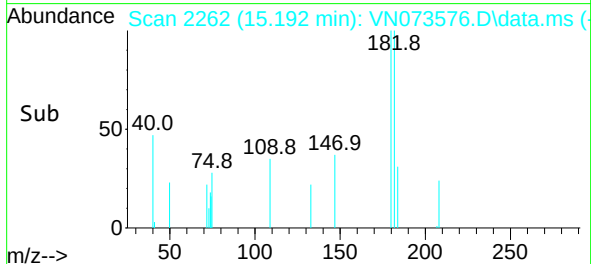
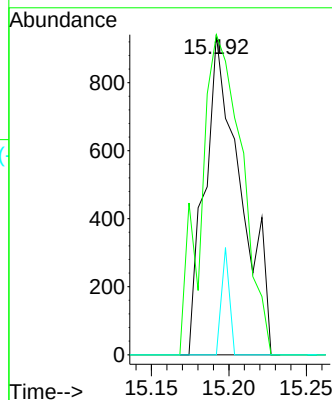
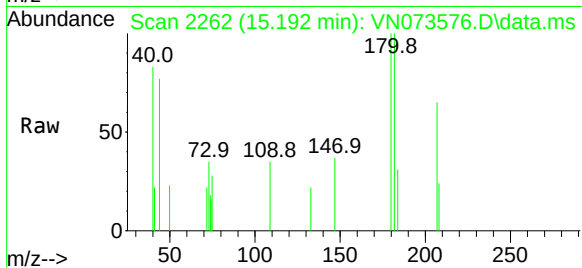
Tgt Ion:180 Resp: 1503

Ion Ratio Lower Upper

180 100

182 115.0 47.5 142.5

145 7.4 14.5 43.5#



#95

Naphthalene

Concen: 0.824 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073576.D

Acq: 25 Jul 2022 13:54

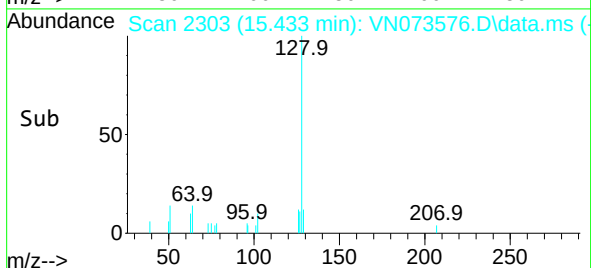
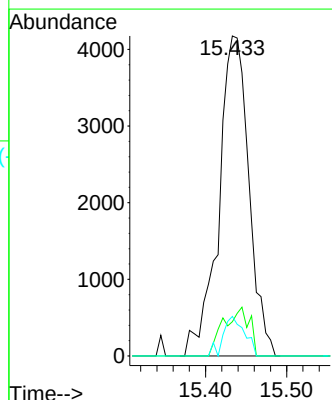
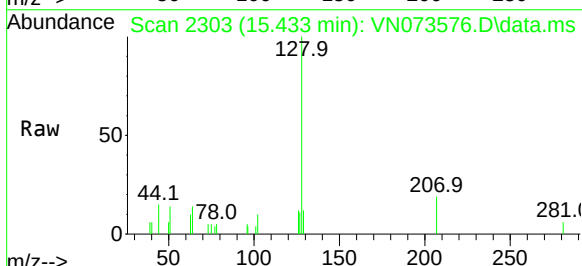
Tgt Ion:128 Resp: 10803

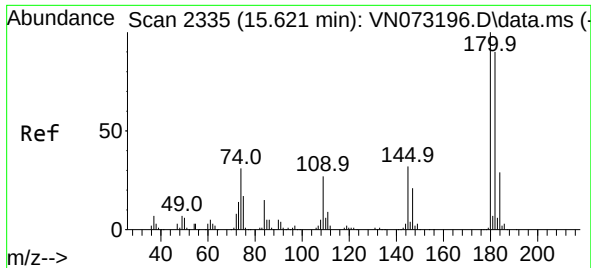
Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

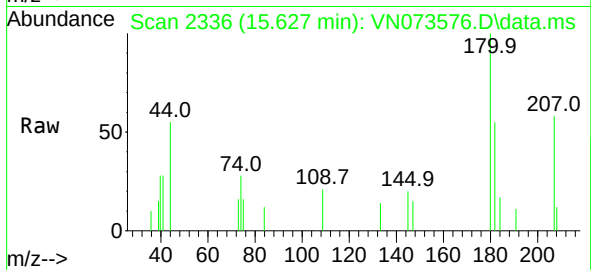
129 8.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.693 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073576.D
 Acq: 25 Jul 2022 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2V



Tgt Ion:180 Resp: 2322
 Ion Ratio Lower Upper
 180 100
 182 81.0 47.8 143.3
 145 22.5 15.5 46.5

