

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100121\
 Data File : VN068788.D
 Acq On : 1 Oct 2021 17:18
 Operator : JC/MD
 Sample : M3915-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE109D2-20210922

Quant Time: Oct 02 04:01:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

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

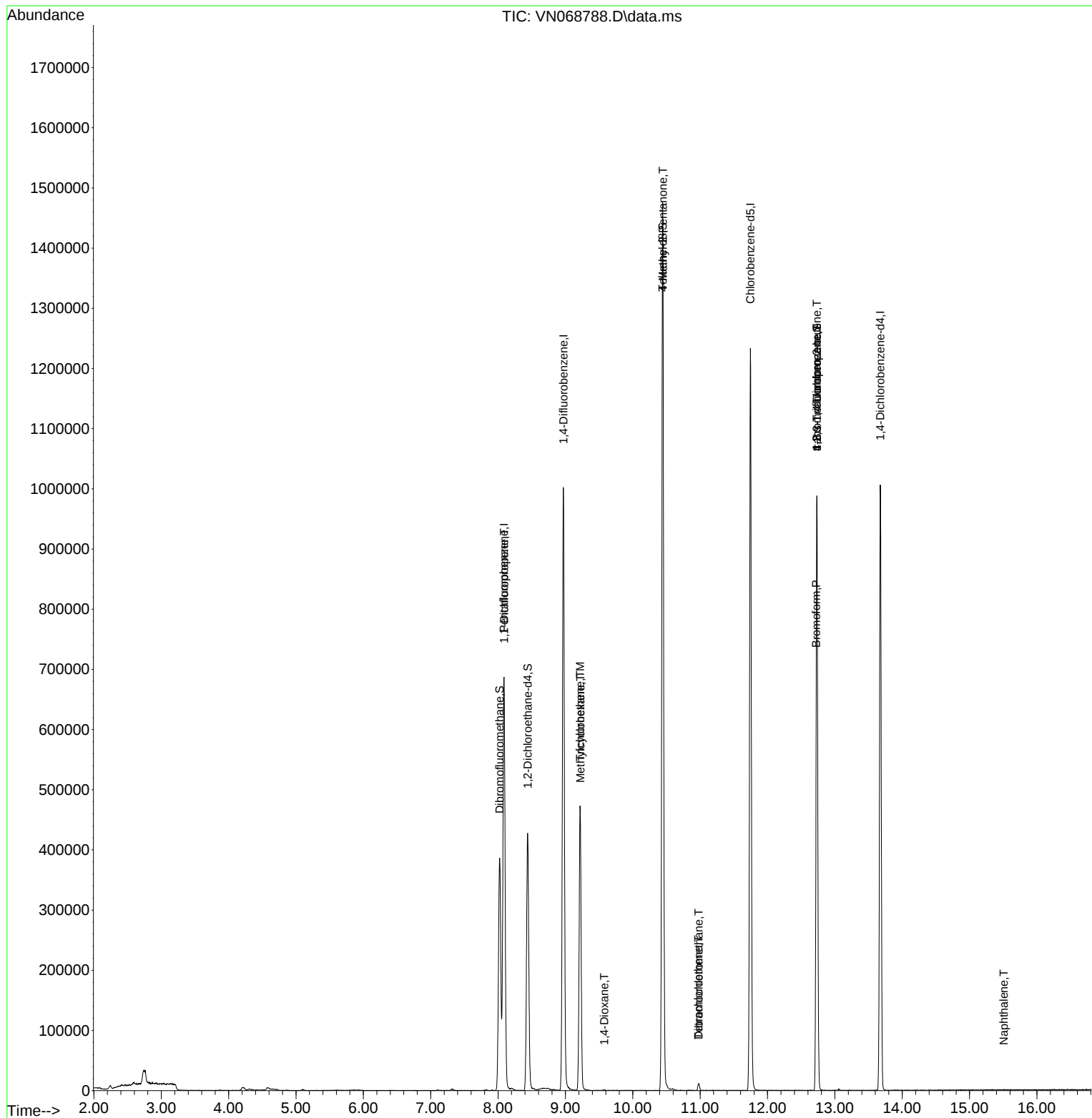
Internal Standards						
1) Pentafluorobenzene	8.088	168	494933	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	864235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	692894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	254322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	350112	50.770	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.540%			
35) Dibromofluoromethane	8.024	113	276432	51.480	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.960%			
50) Toluene-d8	10.443	98	1034135	52.703	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.400%			
62) 4-Bromofluorobenzene	12.733	95	307837	45.150	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.300%			
Target Compounds						
3) Chloromethane	2.295	50	893	Below Cal		Qvalue 94
5) Bromomethane	2.869	94	1537	Below Cal	#	76
6) Chloroethane	3.019	64	326	Below Cal	#	44
13) Acrolein	4.055	56	191	Below Cal	#	14
16) Acetone	4.304	43	2406	Below Cal		92
17) Carbon Disulfide	4.524	76	61	Below Cal	#	74
31) Cyclohexane	8.086	56	13673	Below Cal	#	31
36) 1,1-Dichloropropene	8.091	75	42685	5.251	ug/l #	53
39) Methylcyclohexane	9.223	83	1963	0.208	ug/l #	1
44) Trichloroethene	9.217	130	158911	24.054	ug/l	87
49) 1,4-Dioxane	9.577	88	819	8.512	ug/l #	54
51) 4-Methyl-2-Pentanone	10.446	43	5072	0.591	ug/l #	1
60) Dibromochloromethane	10.980	129	2249	0.304	ug/l #	11
64) Tetrachloroethene	10.974	164	2536	0.490	ug/l #	65
71) Bromoform	12.723	173	938	0.218	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	183017	32.359	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	183017	94.067	ug/l #	6
95) Naphthalene	15.507	128	334	1.474	ug/l #	69

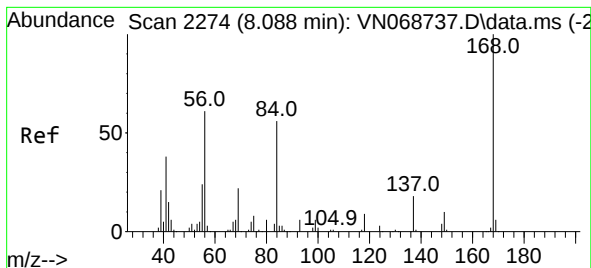
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

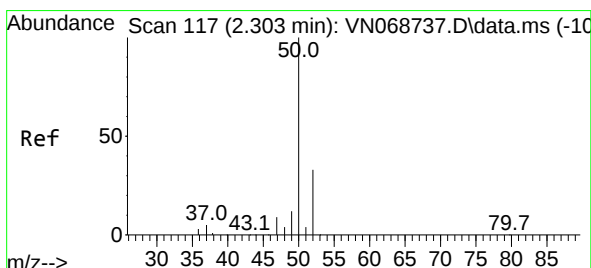
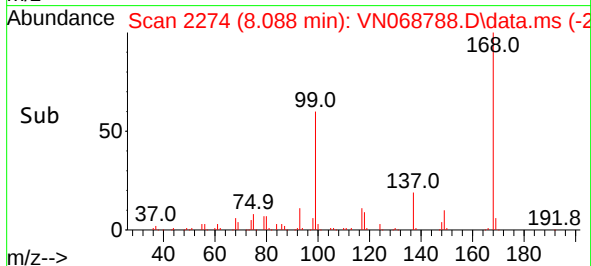
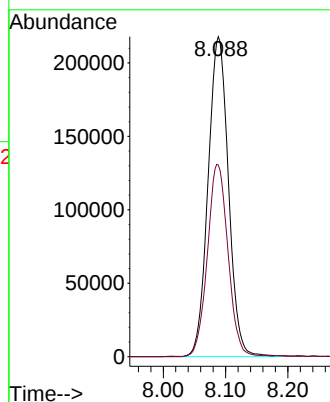
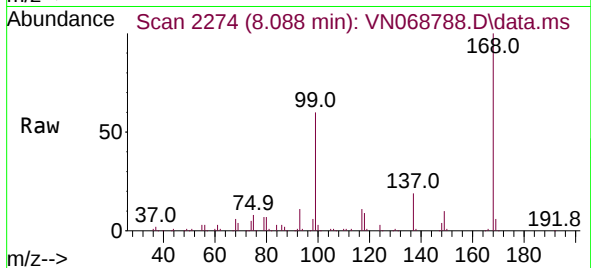
Lab File: VN068788.D

Acq: 1 Oct 2021 17:18

Tgt Ion:168 Resp: 494933

Ion Ratio Lower Upper

168 100
99 59.8 62.9 94.3#



#3

Chloromethane

Concen: Below Cal

RT: 2.295 min Scan# 114

Delta R.T. -0.008 min

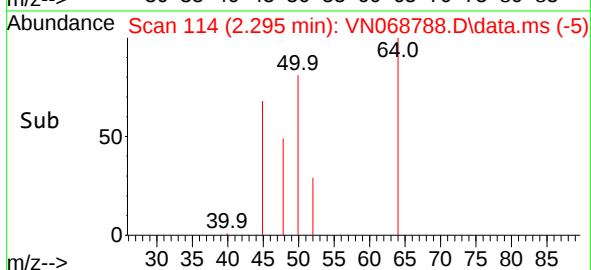
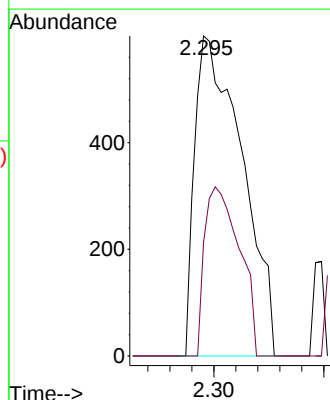
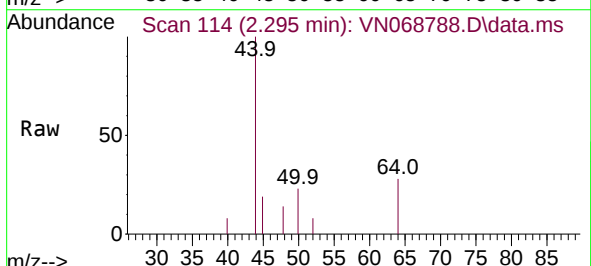
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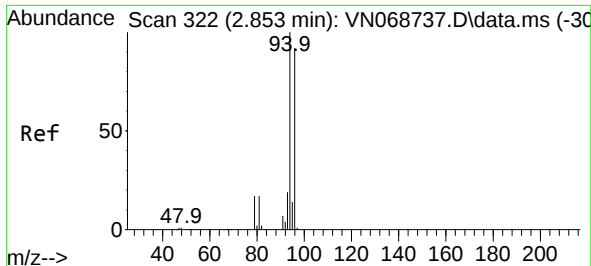
Acq: 1 Oct 2021 17:18

Tgt Ion: 50 Resp: 893

Ion Ratio Lower Upper

50 100
52 35.5 25.6 38.4

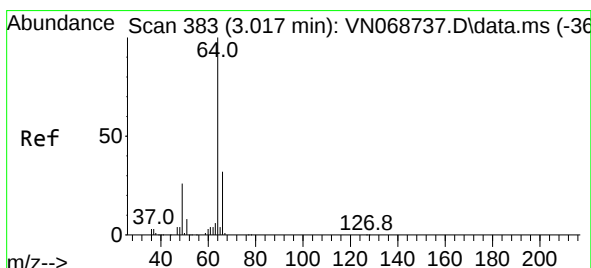
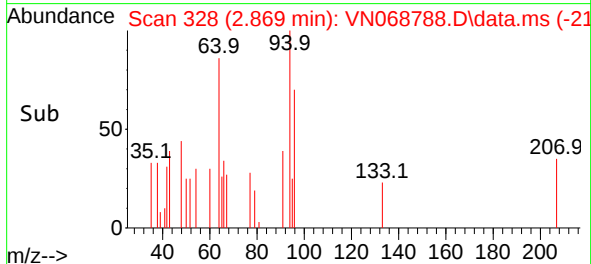
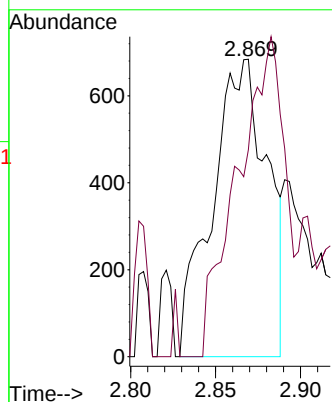
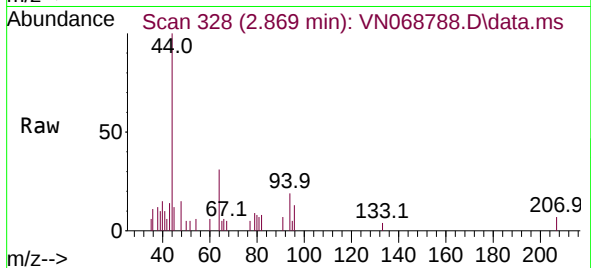




#5
Bromomethane
Concen: Below Cal
RT: 2.869 min Scan# 328
Delta R.T. 0.016 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

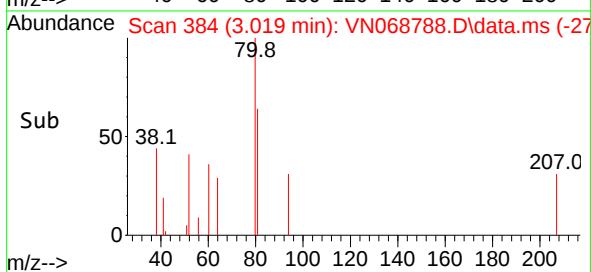
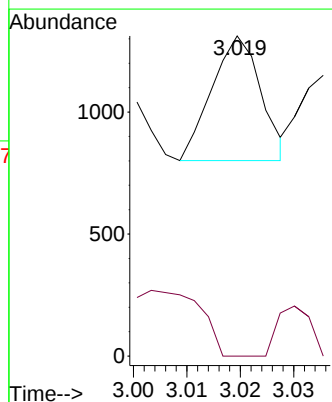
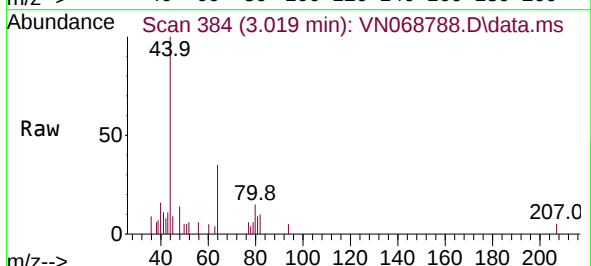
Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20210922

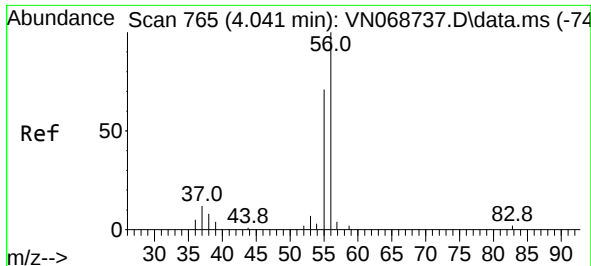
Tgt Ion: 94 Resp: 1537
Ion Ratio Lower Upper
94 100
96 69.6 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.019 min Scan# 384
Delta R.T. 0.002 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

Tgt Ion: 64 Resp: 326
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

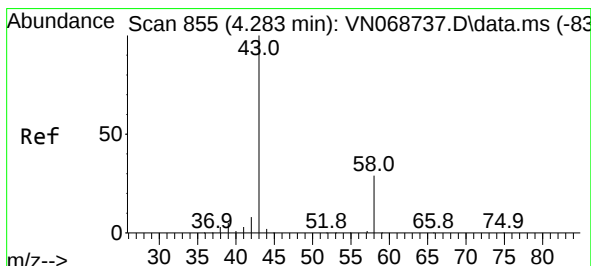
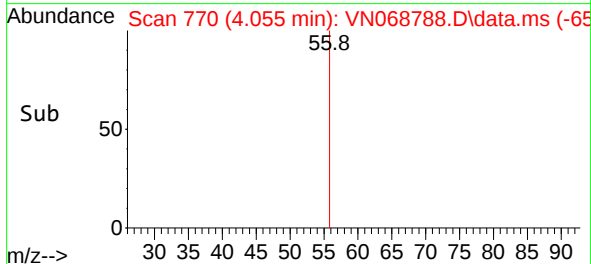
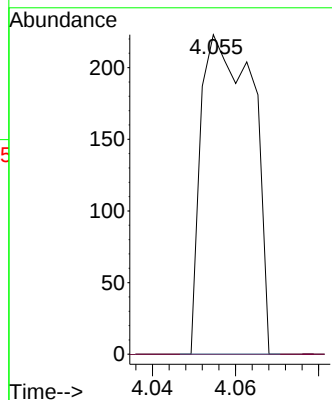
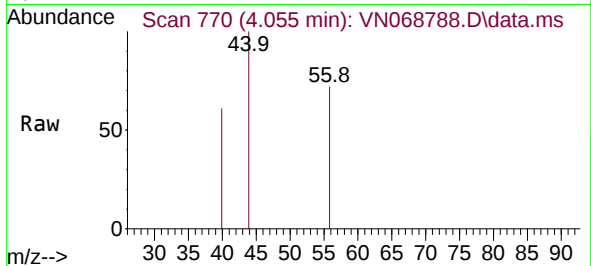




#13
Acrolein
Concen: Below Cal
RT: 4.055 min Scan# 770
Delta R.T. 0.014 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

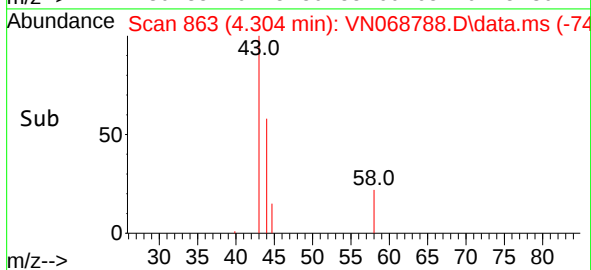
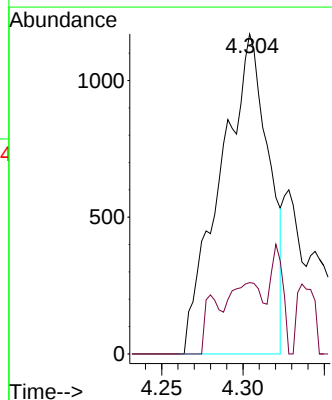
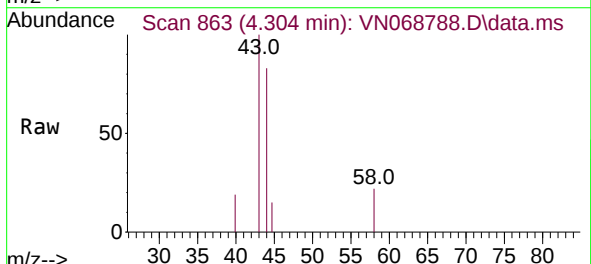
Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20210922

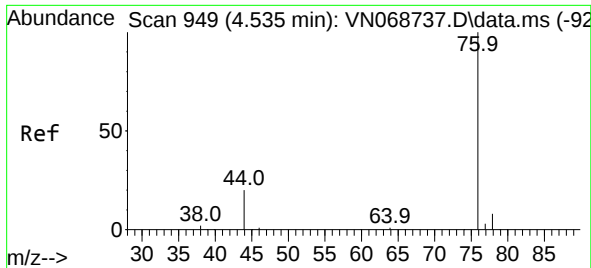
Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: Below Cal
RT: 4.304 min Scan# 863
Delta R.T. 0.021 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

Tgt Ion: 43 Resp: 2406
Ion Ratio Lower Upper
43 100
58 22.3 21.2 31.8

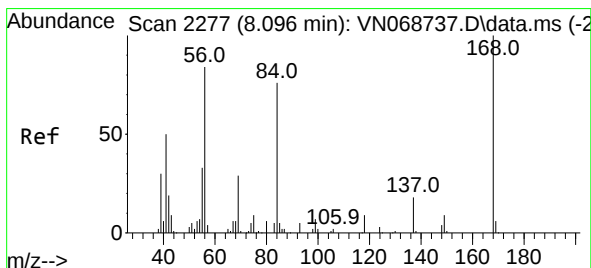
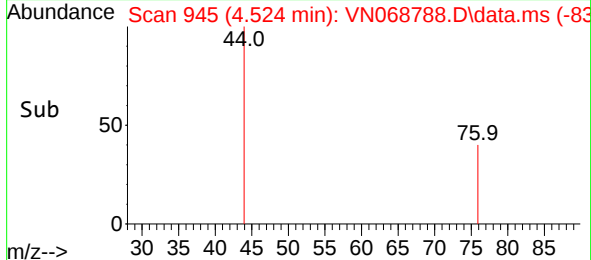
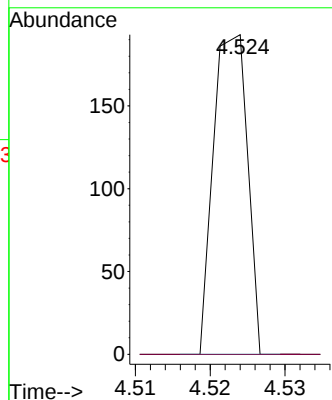
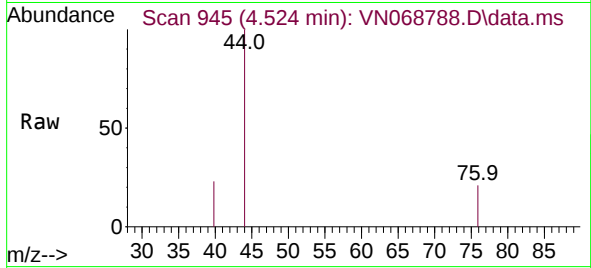




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.524 min Scan# 945
Delta R.T. -0.011 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

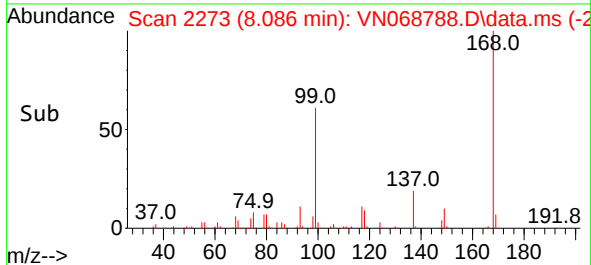
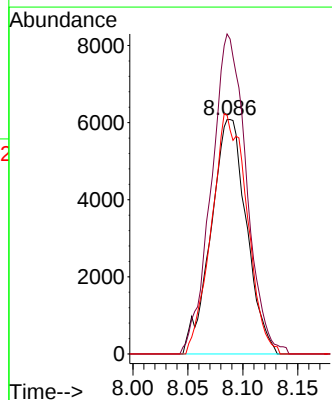
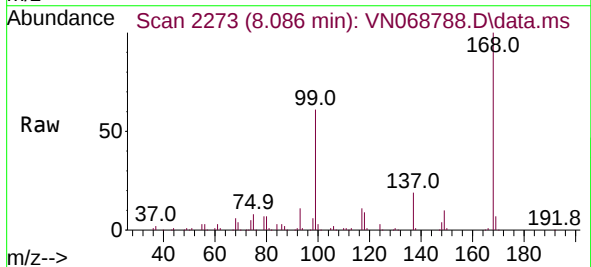
Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20210922

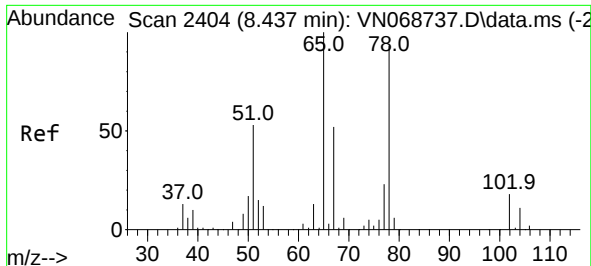
Tgt Ion: 76 Resp: 61
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#31
Cyclohexane
Concen: Below Cal
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

Tgt Ion: 56 Resp: 13673
Ion Ratio Lower Upper
56 100
69 136.5 27.3 40.9#
84 101.9 64.9 97.3#



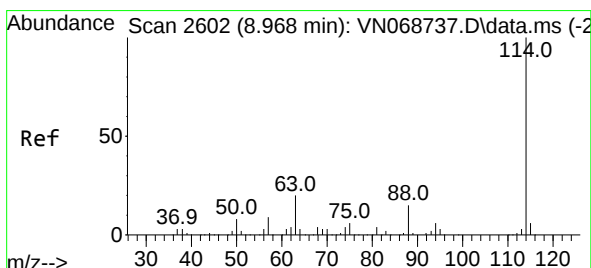
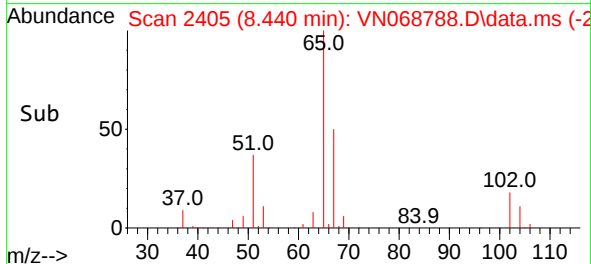
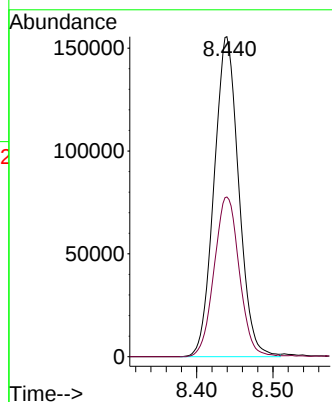
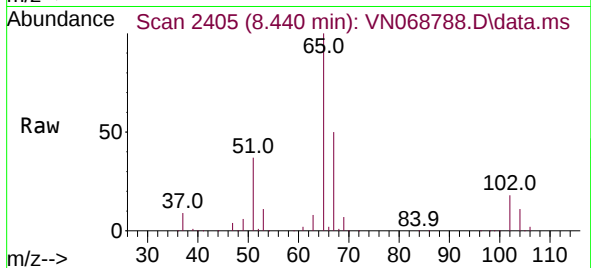


#33

1,2-Dichloroethane-d4
Concen: 50.770 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20210922

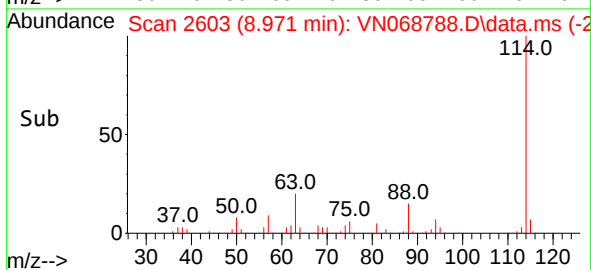
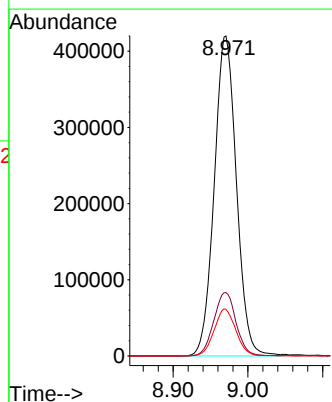
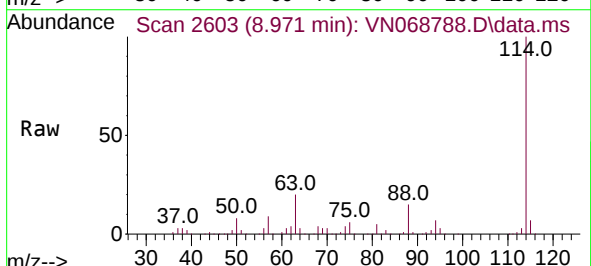
Tgt Ion: 65 Resp: 350112
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.6

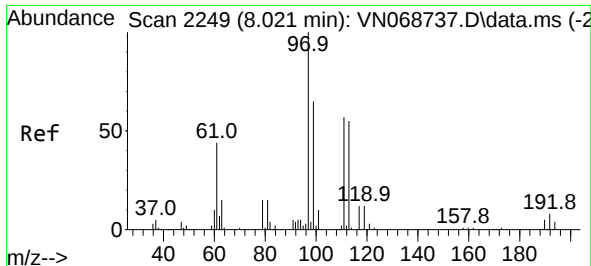


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

Tgt Ion: 114 Resp: 864235
Ion Ratio Lower Upper
114 100
63 19.8 0.0 49.0
88 14.5 0.0 36.6





#35

Dibromofluoromethane

Concen: 51.480 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN068788.D

Acq: 1 Oct 2021 17:18

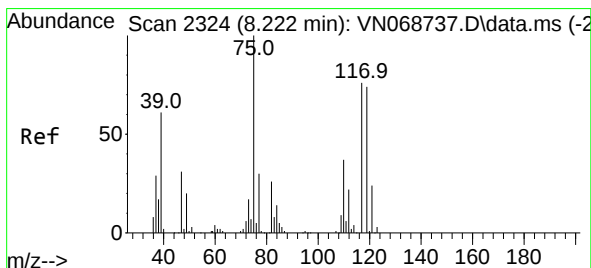
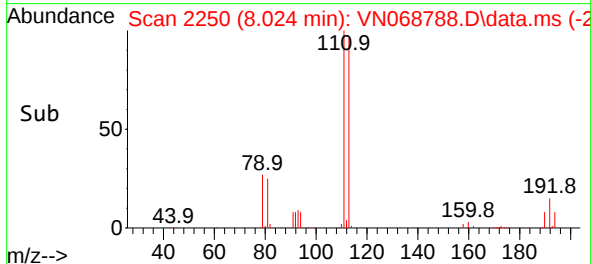
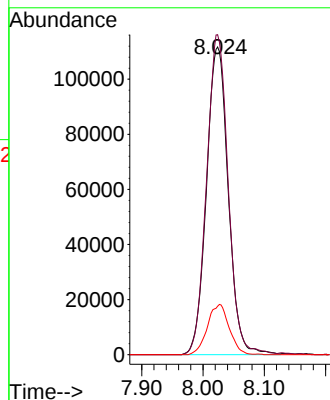
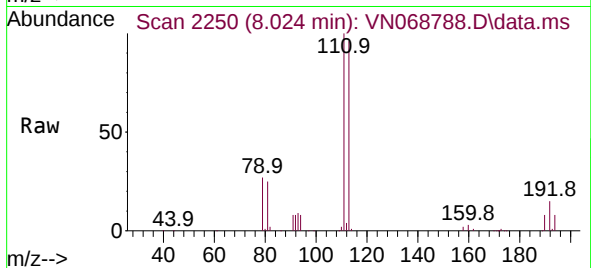
Tgt Ion:113 Resp: 276432

Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.8

192 16.3 13.4 20.0



#36

1,1-Dichloropropene

Concen: 5.251 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.131 min

Lab File: VN068788.D

Acq: 1 Oct 2021 17:18

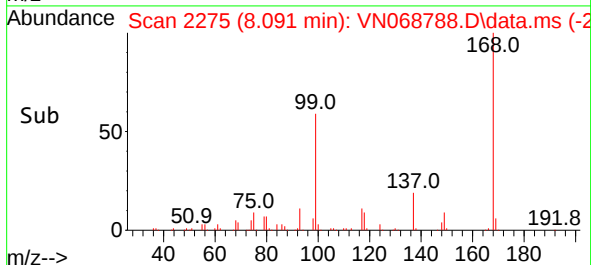
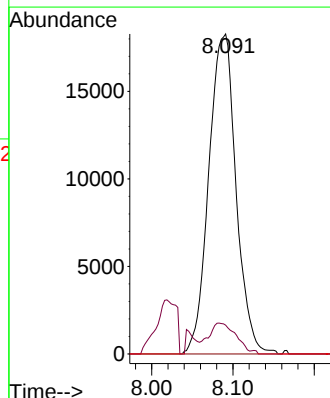
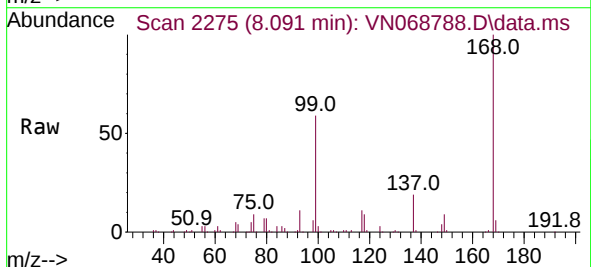
Tgt Ion: 75 Resp: 42685

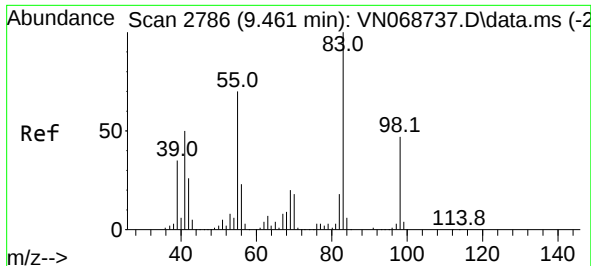
Ion Ratio Lower Upper

75 100

110 9.9 15.7 47.0#

77 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 0.208 ug/l

RT: 9.223 min Scan# 2697

Delta R.T. -0.238 min

Lab File: VN068788.D

Acq: 1 Oct 2021 17:18

Tgt Ion: 83 Resp: 1963

Ion Ratio Lower Upper

83 100

55 0.0 66.6 99.8#

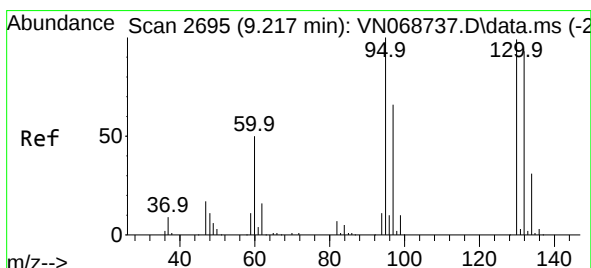
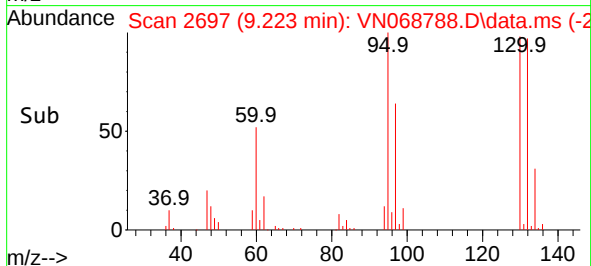
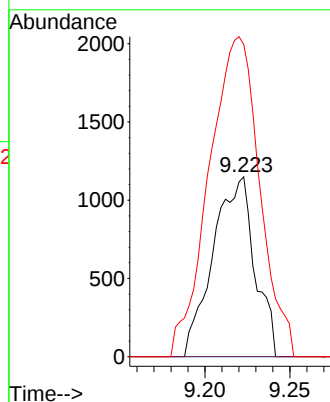
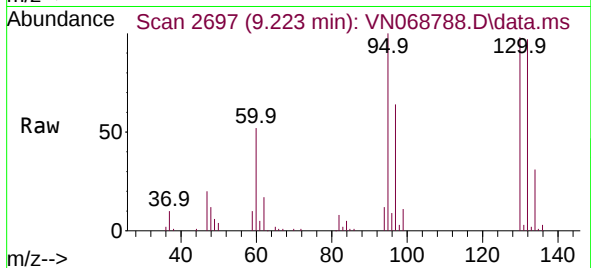
98 154.3 35.3 52.9#

Instrument :

MSVOA_N

ClientSampleId :

RE109D2-20210922



#44

Trichloroethene

Concen: 24.054 ug/l

RT: 9.217 min Scan# 2695

Delta R.T. 0.000 min

Lab File: VN068788.D

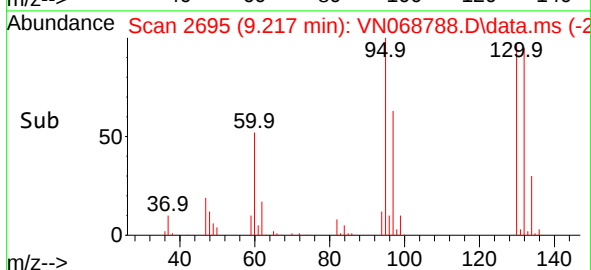
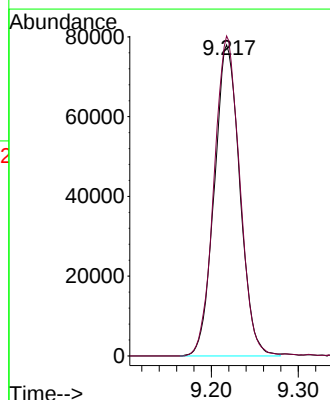
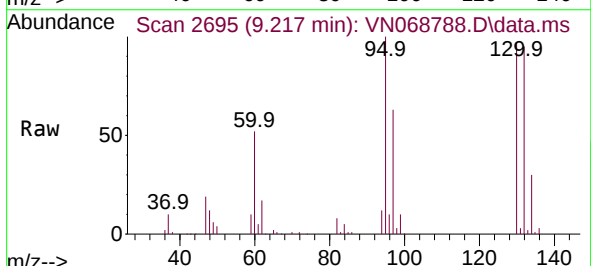
Acq: 1 Oct 2021 17:18

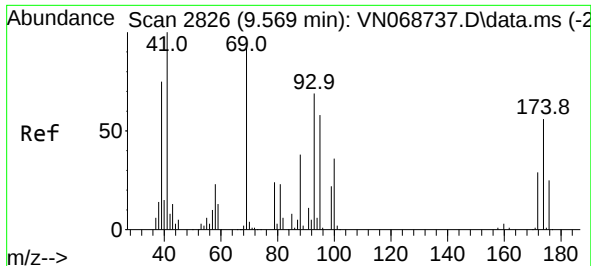
Tgt Ion:130 Resp: 158911

Ion Ratio Lower Upper

130 100

95 102.9 0.0 234.4





#49

1,4-Dioxane

Concen: 8.512 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. 0.008 min

Lab File: VN068788.D

Acq: 1 Oct 2021 17:18

Tgt Ion: 88 Resp: 819

Ion Ratio Lower Upper

88 100

43 2.9 28.8 43.2#

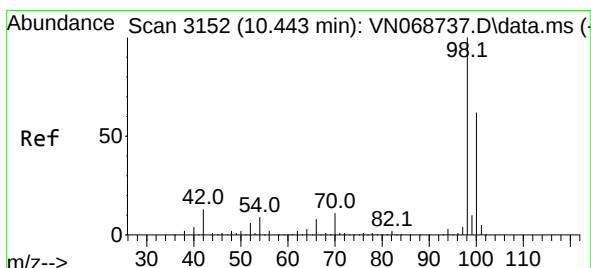
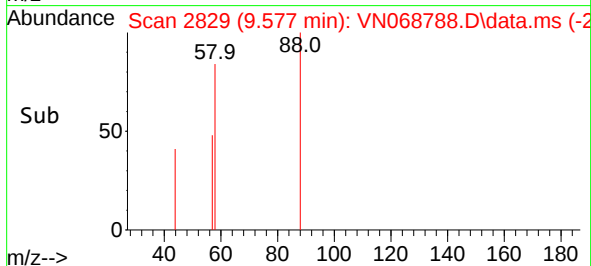
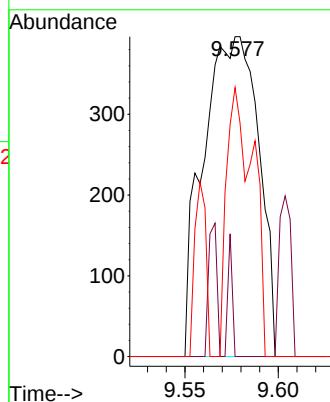
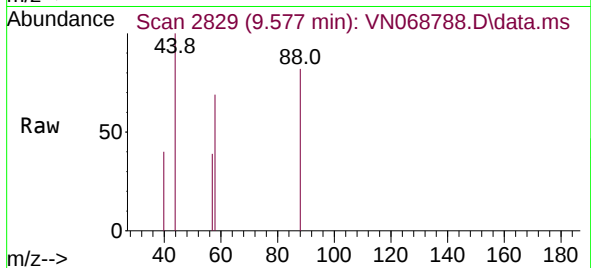
58 40.2 60.4 90.6#

Instrument :

MSVOA_N

ClientSampleId :

RE109D2-20210922



#50

Toluene-d8

Concen: 52.703 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068788.D

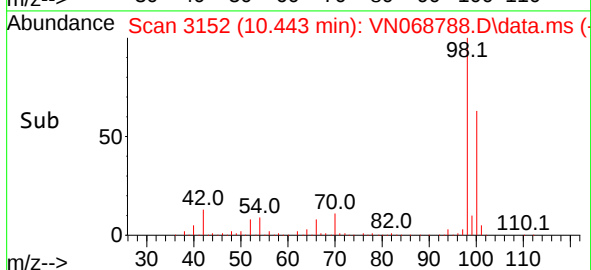
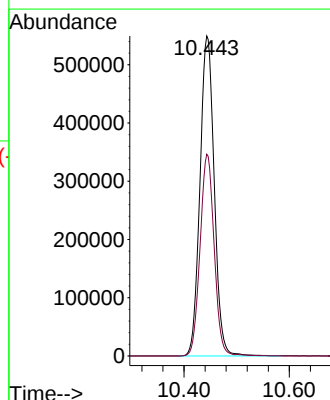
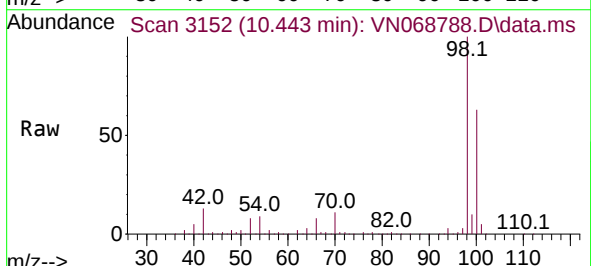
Acq: 1 Oct 2021 17:18

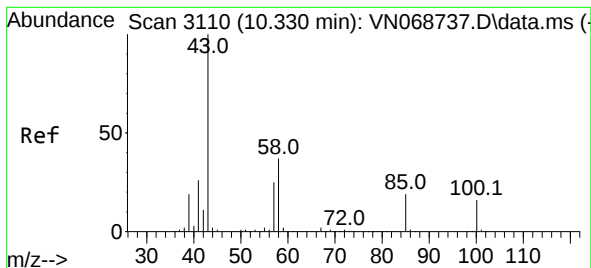
Tgt Ion: 98 Resp: 1034135

Ion Ratio Lower Upper

98 100

100 62.3 51.7 77.5

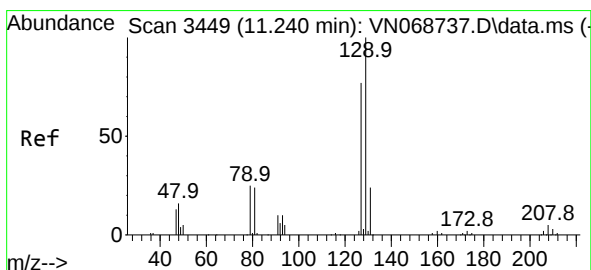
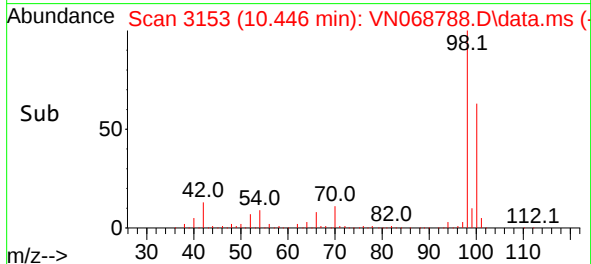
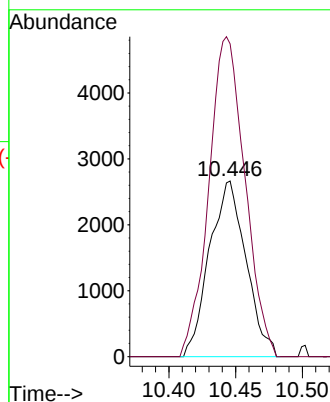
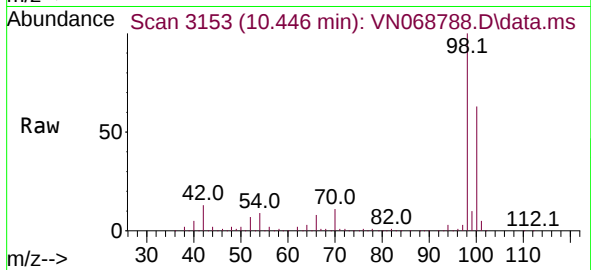




#51
4-Methyl-2-Pentanone
Concen: 0.591 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.116 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

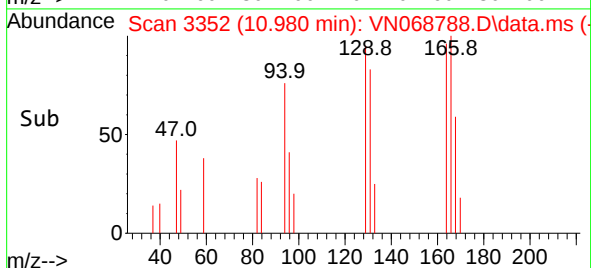
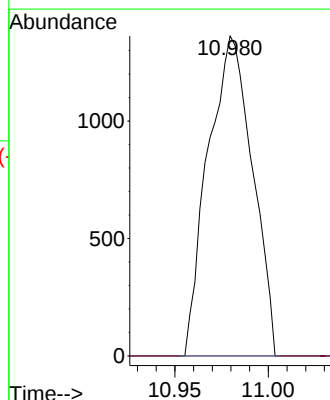
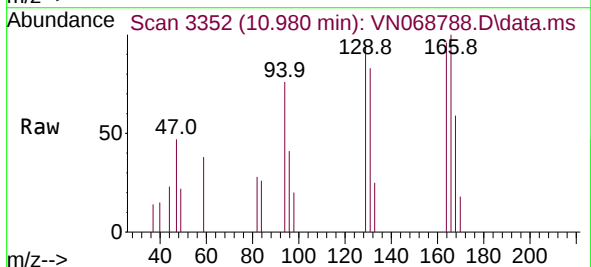
Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20210922

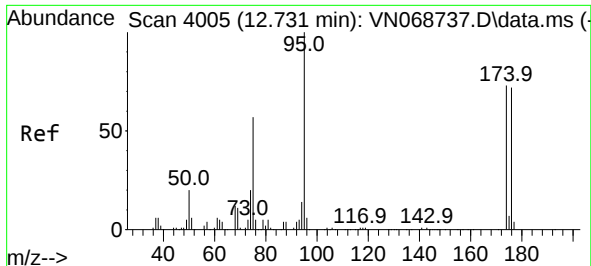
Tgt Ion: 43 Resp: 5072
Ion Ratio Lower Upper
43 100
58 180.2 28.6 43.0#



#60
Dibromochloromethane
Concen: 0.304 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

Tgt Ion: 129 Resp: 2249
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

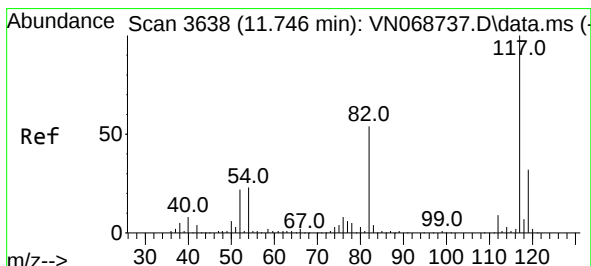
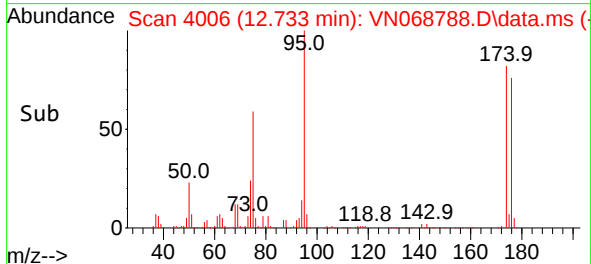
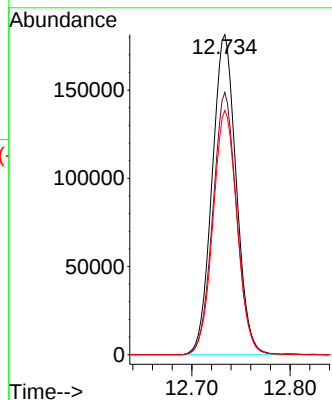
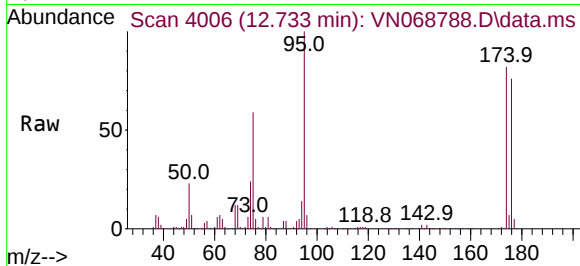




#62
4-Bromofluorobenzene
Concen: 45.150 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

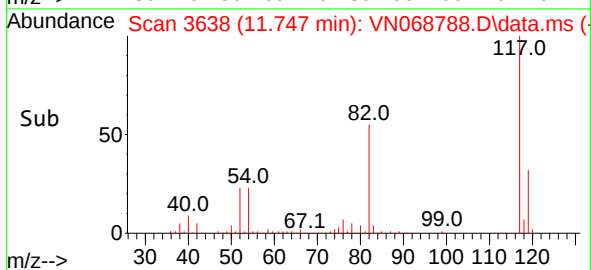
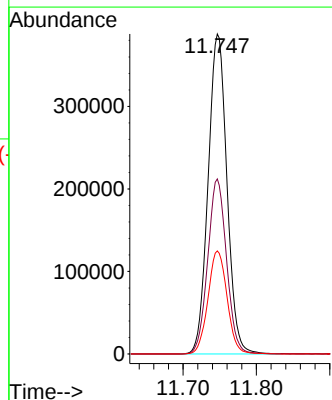
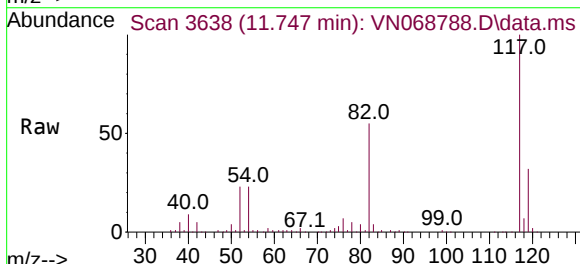
Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20210922

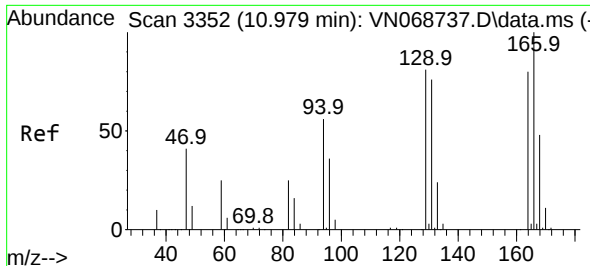
Tgt Ion: 95 Resp: 307837
Ion Ratio Lower Upper
95 100
174 81.3 0.0 122.0
176 76.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

Tgt Ion: 117 Resp: 692894
Ion Ratio Lower Upper
117 100
82 54.7 53.1 79.7
119 32.2 25.5 38.3

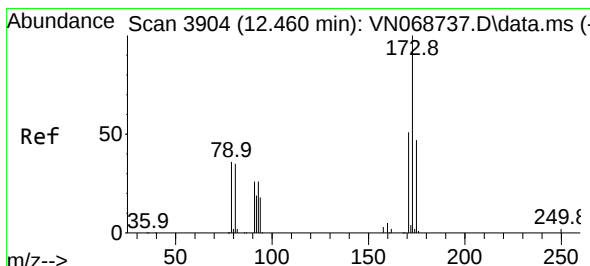
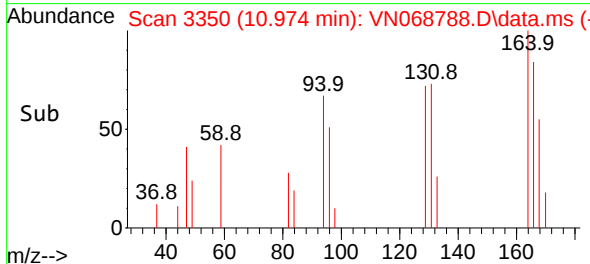
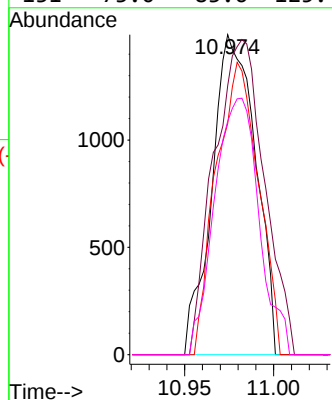
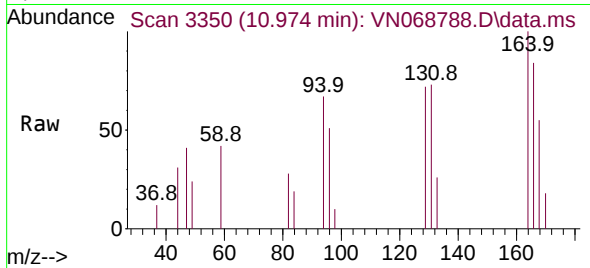




#64
Tetrachloroethene
Concen: 0.490 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.005 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

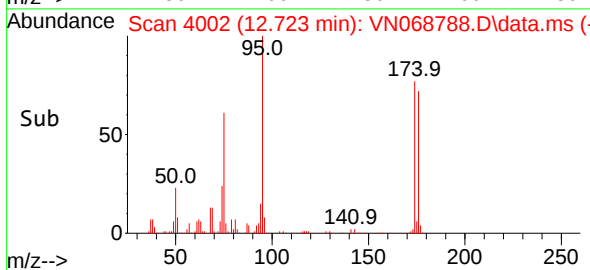
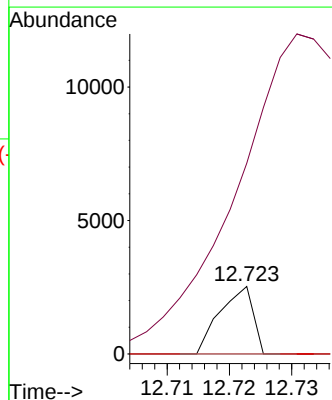
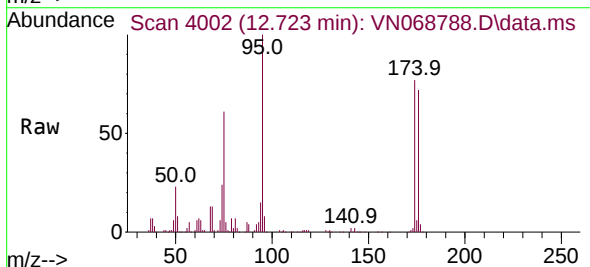
Instrument :
MSVOA_N
ClientSampleId :
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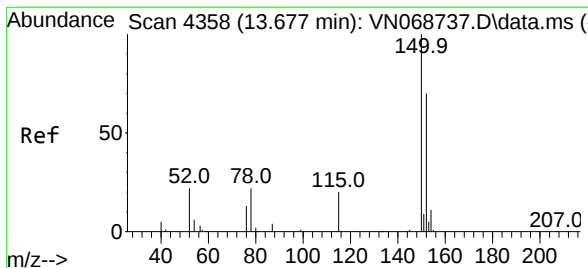
Tgt Ion:164 Resp: 2536
Ion Ratio Lower Upper
164 100
166 84.1 102.1 153.1#
129 72.2 86.9 130.3#
131 73.0 83.6 125.4#



#71
Bromoform
Concen: 0.218 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

Tgt Ion:173 Resp: 938
Ion Ratio Lower Upper
173 100
175 1987.5 23.9 71.8#
254 0.0 0.0 0.0

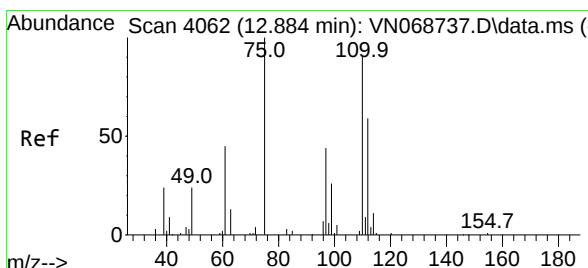
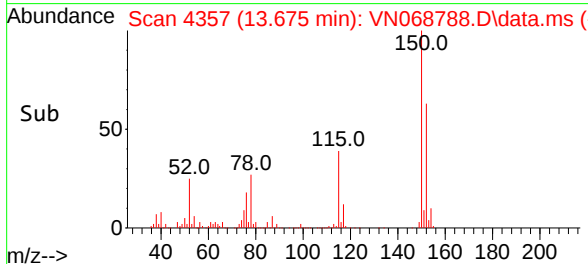
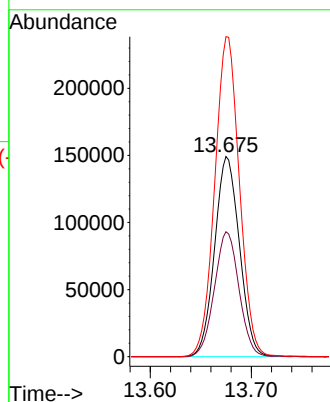
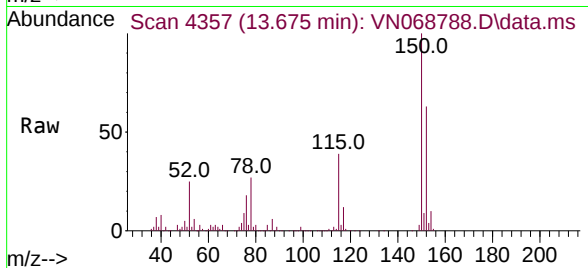




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 4357
 Delta R.T. -0.002 min
 Lab File: VN068788.D
 Acq: 1 Oct 2021 17:18

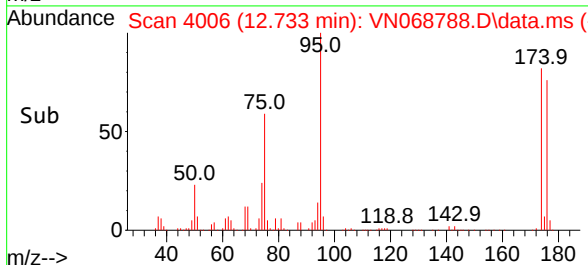
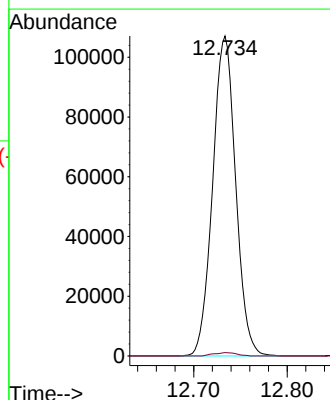
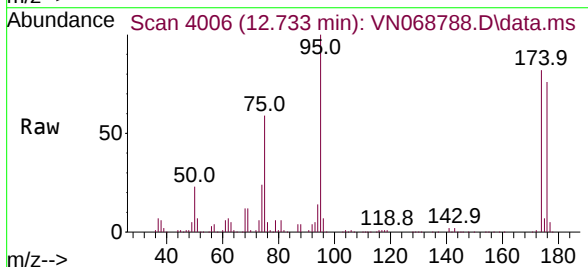
Instrument :
 MSVOA_N
 ClientSampleId :
 RE109D2-20210922

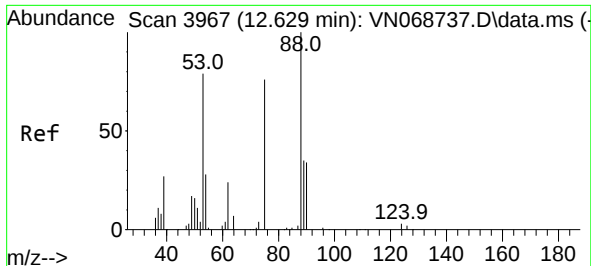
Tgt Ion:152 Resp: 254322
 Ion Ratio Lower Upper
 152 100
 115 61.8 36.1 108.5
 150 158.9 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 32.359 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN068788.D
 Acq: 1 Oct 2021 17:18

Tgt Ion: 75 Resp: 183017
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

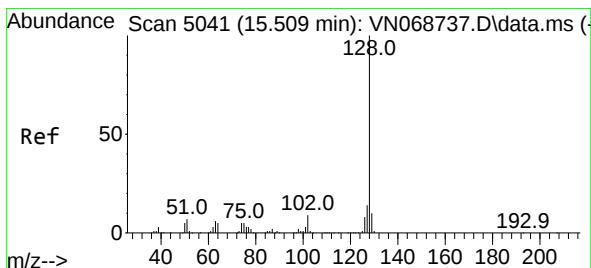
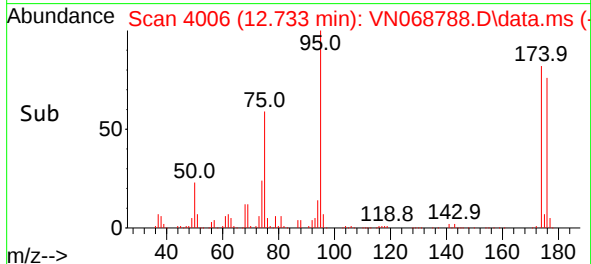
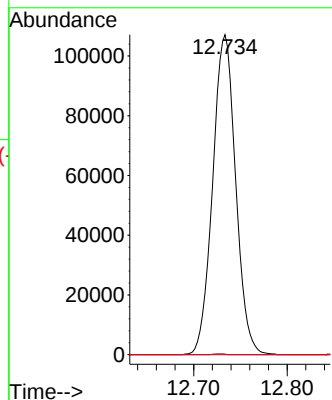
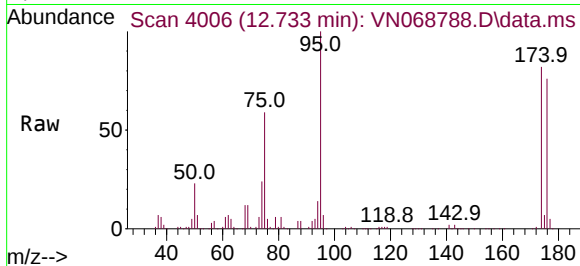




#81
trans-1,4-Dichloro-2-butene
Concen: 94.067 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20210922

Tgt Ion: 75 Resp: 183017
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 1.474 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068788.D
Acq: 1 Oct 2021 17:18

Tgt Ion:128 Resp: 334
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

