

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011022\
 Data File : VN070539.D
 Acq On : 10 Jan 2022 12:44
 Operator : JC/MD
 Sample : VN0110WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 10 17:27:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

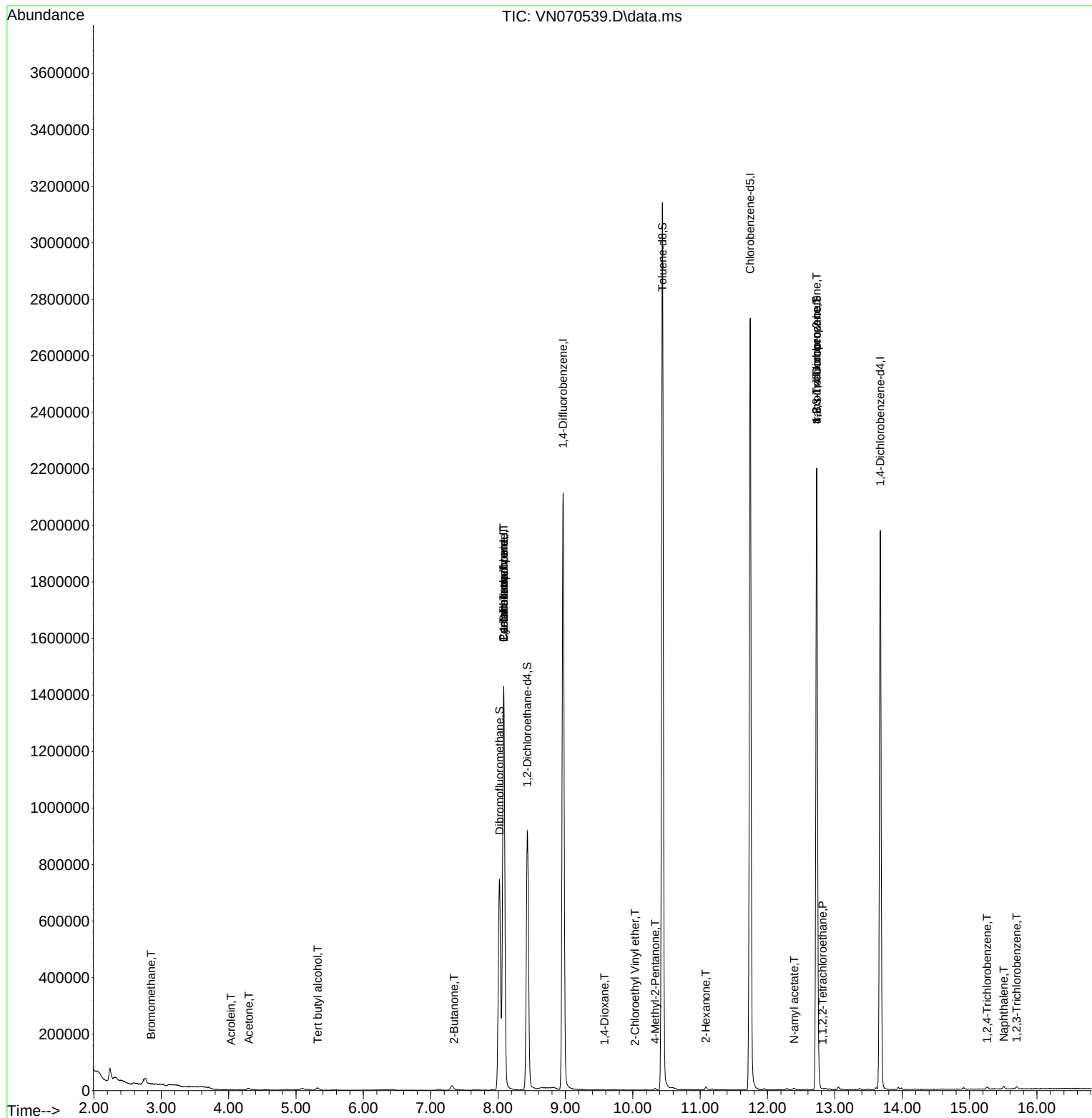
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.083	168	1112447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1820305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1612811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	558079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	773246	48.343	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.680%
35) Dibromofluoromethane	8.021	113	551351	50.060	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.120%
50) Toluene-d8	10.440	98	2185968	48.585	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.180%
62) 4-Bromofluorobenzene	12.731	95	815249	50.168	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.340%
Target Compounds						
					Qvalue	
5) Bromomethane	2.848	94	1621	0.201	ug/l #	29
11) Tert butyl alcohol	5.321	59	8227	3.089	ug/l #	71
13) Acrolein	4.036	56	696	0.322	ug/l #	44
16) Acetone	4.299	43	7844	0.755	ug/l	99
25) 2-Butanone	7.345	43	4850	0.371	ug/l #	84
31) Cyclohexane	8.083	56	25170	0.997	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	88215	4.842	ug/l #	48
38) Carbon Tetrachloride	8.083	117	107238	6.164	ug/l #	17
49) 1,4-Dioxane	9.580	88	57	0.219	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	4934	0.211	ug/l #	86
58) 2-Chloroethyl Vinyl ether	10.033	63	91	18.528	ug/l #	45
59) 2-Hexanone	11.084	43	8982	0.526	ug/l	84
74) N-amyl acetate	12.396	43	4481	0.206	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.819	83	865	0.493	ug/l #	61
76) 1,2,3-Trichloropropane	12.731	75	421099	26.828	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	421099	92.189	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	2688	0.292	ug/l	87
95) Naphthalene	15.507	128	10302	2.187	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.700	180	2941	1.155	ug/l	88

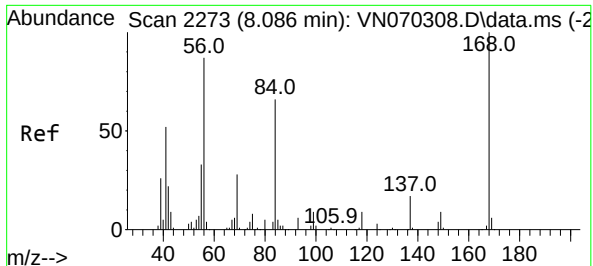
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 10 17:27:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

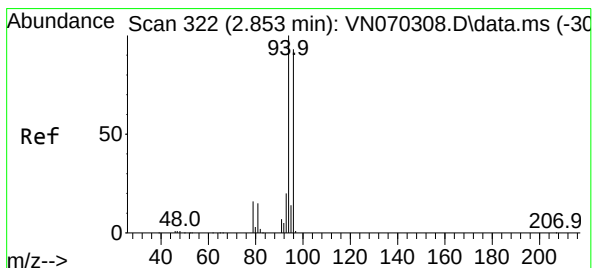
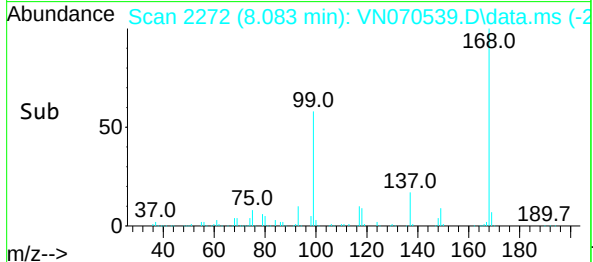
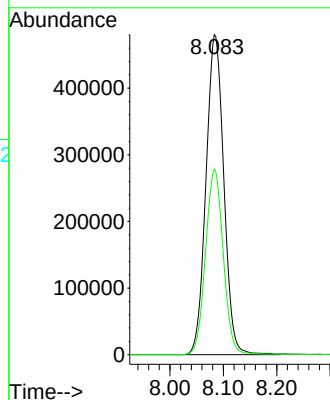
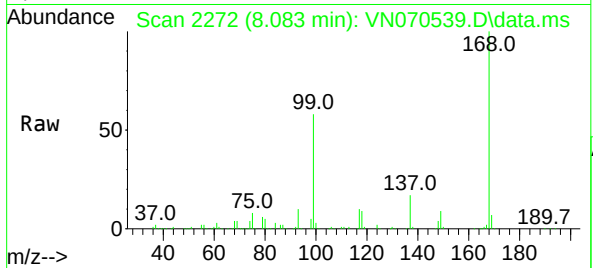




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

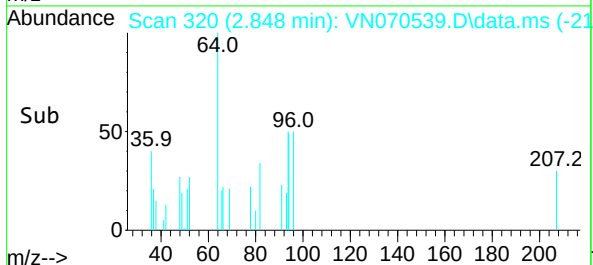
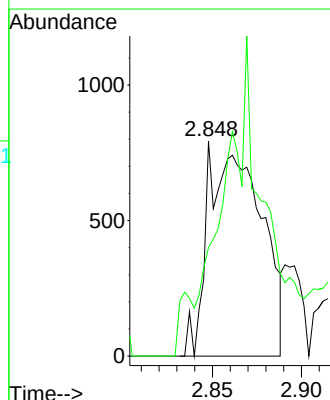
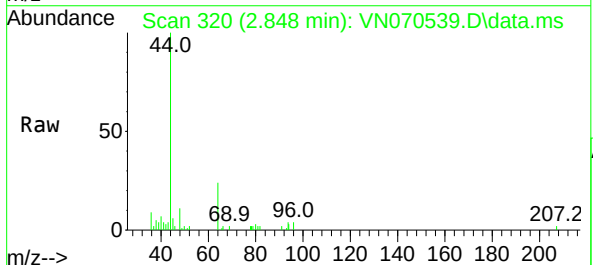
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MSVOA_N
ClientSampleId :

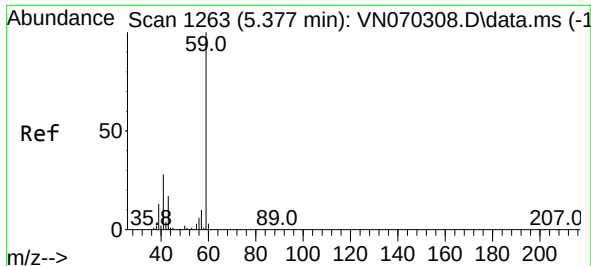
Tgt Ion:168 Resp: 1112447
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9



#5
Bromomethane
Concen: 0.201 ug/l
RT: 2.848 min Scan# 320
Delta R.T. -0.005 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

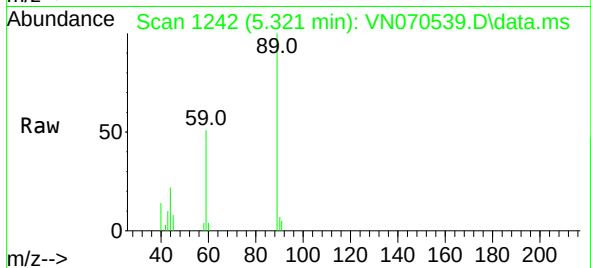
Tgt Ion: 94 Resp: 1621
Ion Ratio Lower Upper
94 100
96 24.6 73.8 110.8#



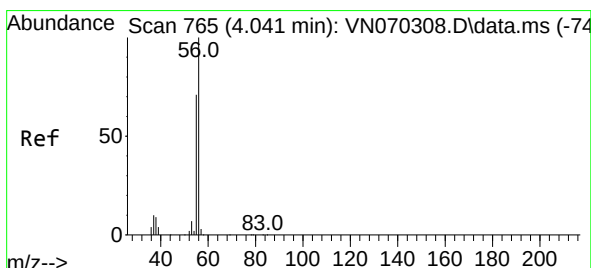
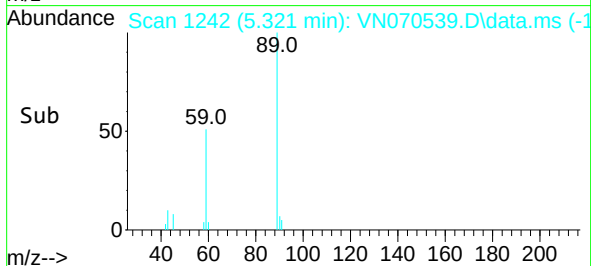
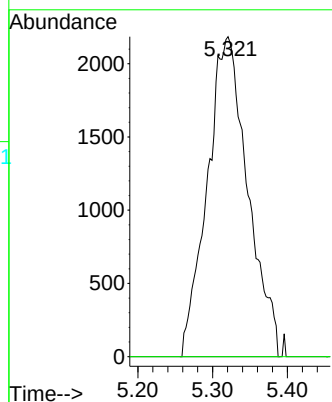


#11
Tert butyl alcohol
Concen: 3.089 ug/l
RT: 5.321 min Scan# 11
Delta R.T. -0.056 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

Instrument :
MSVOA_N
ClientSampleId :

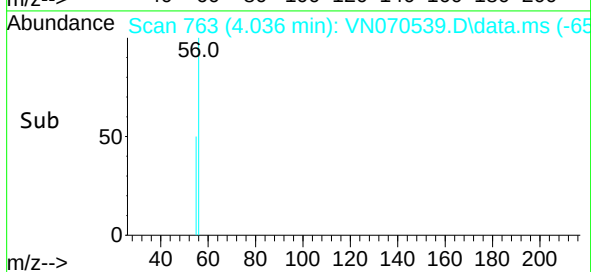
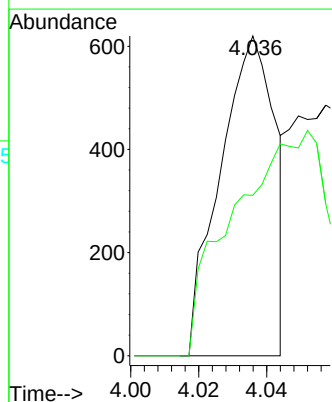
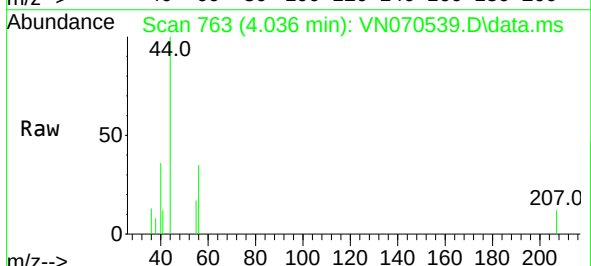


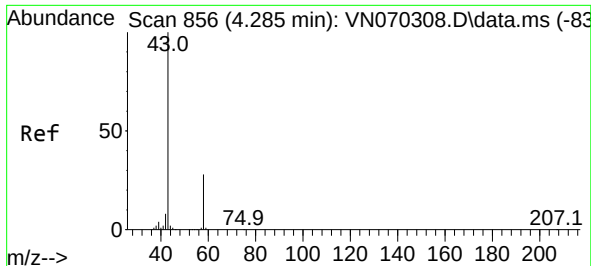
Tgt Ion: 59 Resp: 8227
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.322 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

Tgt Ion: 56 Resp: 696
Ion Ratio Lower Upper
56 100
55 116.7 56.6 85.0#

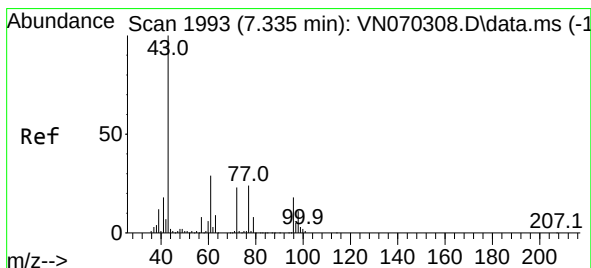
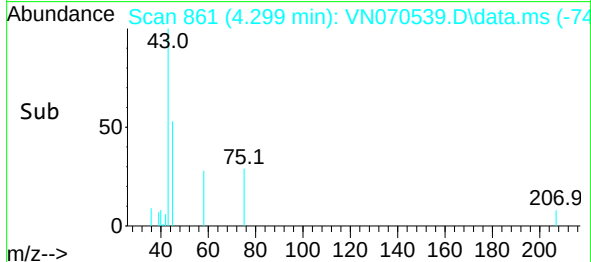
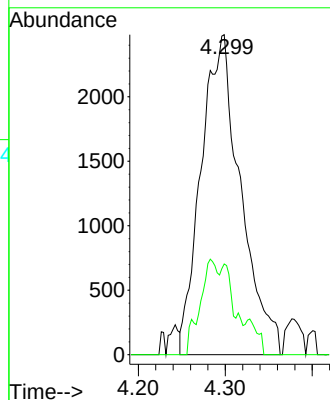
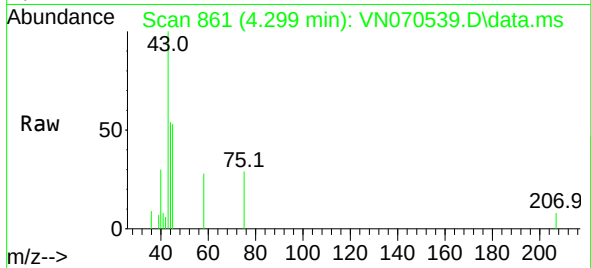




#16
Acetone
Concen: 0.755 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.014 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

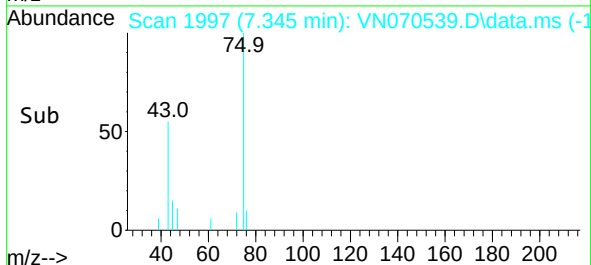
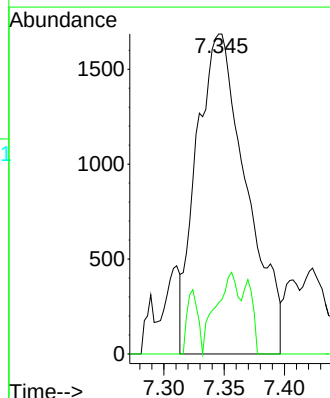
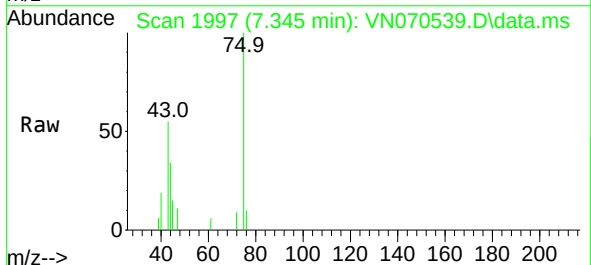
Instrument :
MSVOA_N
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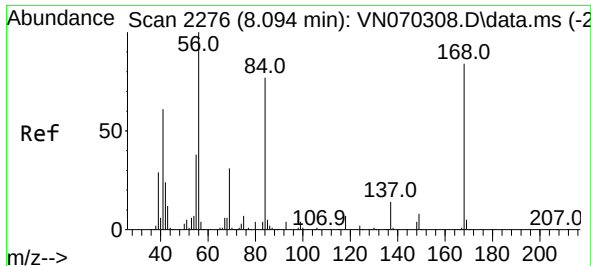
Tgt Ion: 43 Resp: 7844
Ion Ratio Lower Upper
43 100
58 28.4 23.1 34.7



#25
2-Butanone
Concen: 0.371 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.010 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

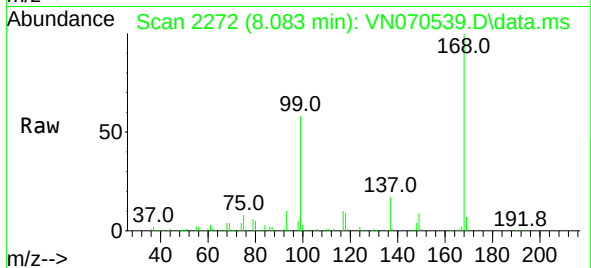
Tgt Ion: 43 Resp: 4850
Ion Ratio Lower Upper
43 100
72 19.1 21.7 32.5#



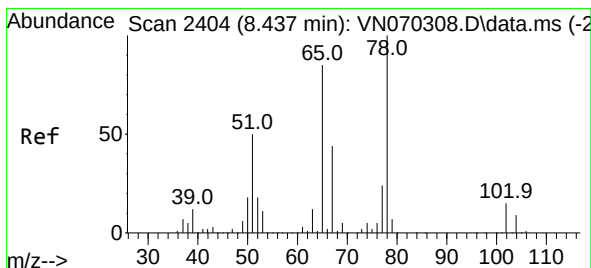
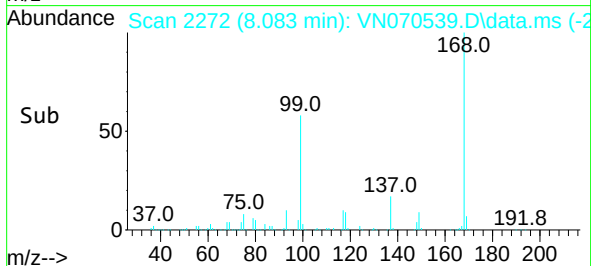
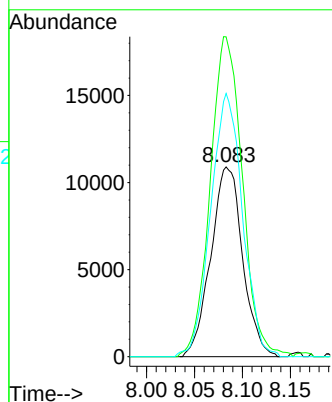


#31
Cyclohexane
Concen: 0.997 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

Instrument :
MSVOA_N
ClientSampleId :

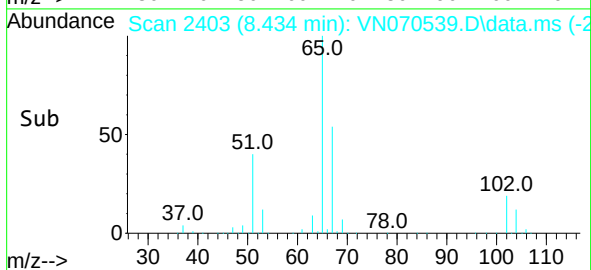
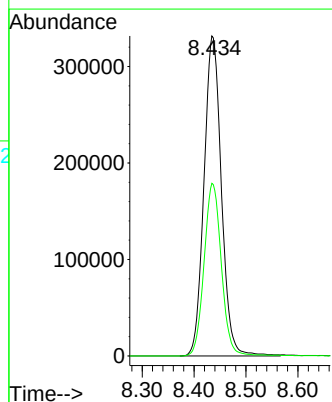
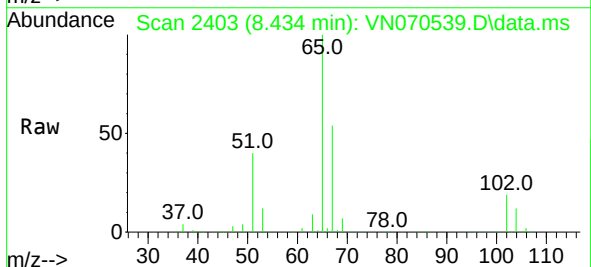


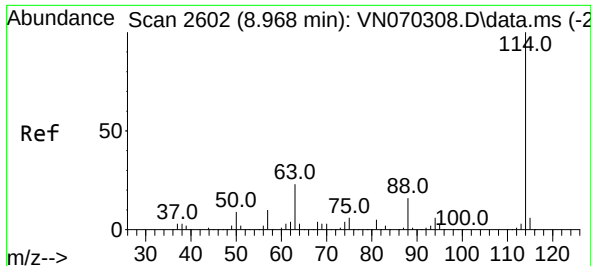
Tgt Ion: 56 Resp: 25170
Ion Ratio Lower Upper
56 100
69 167.0 27.1 40.7#
84 138.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 48.343 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.003 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

Tgt Ion: 65 Resp: 773246
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.0

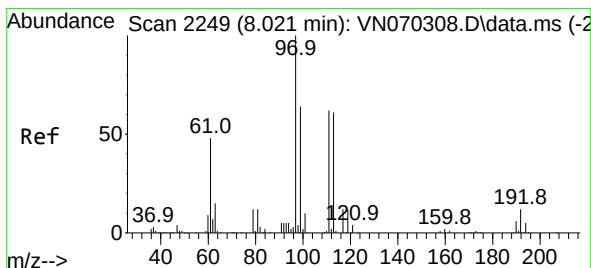
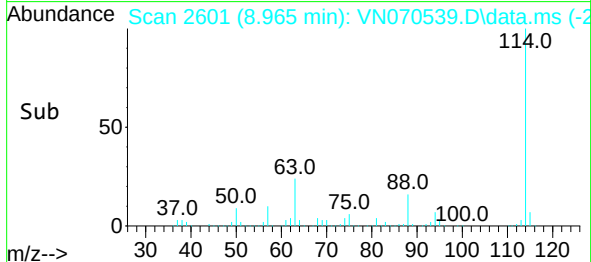
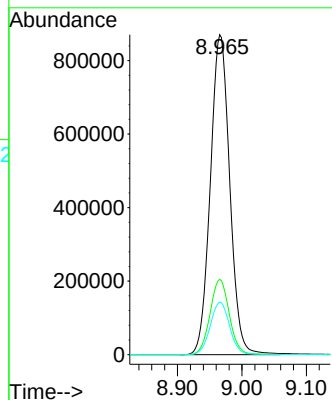
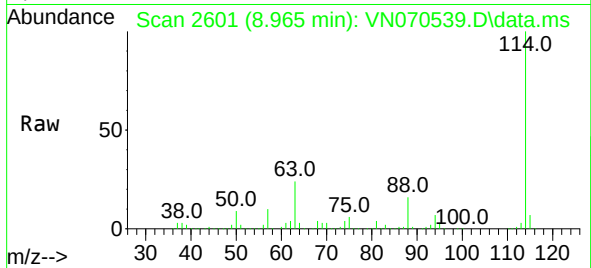




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

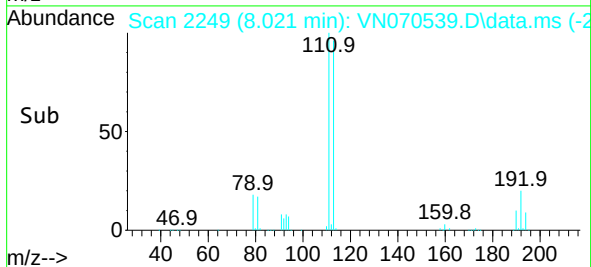
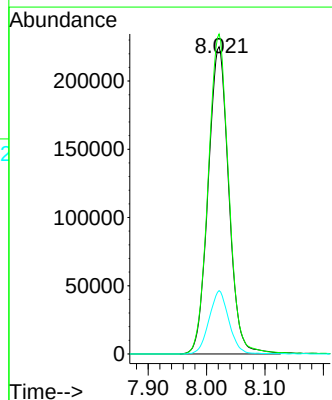
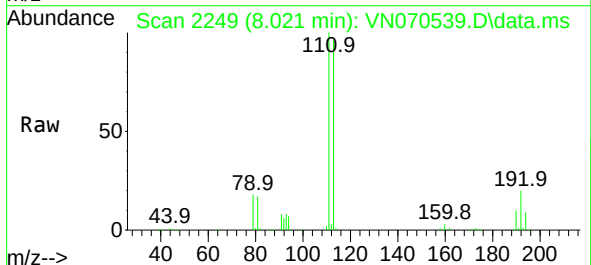
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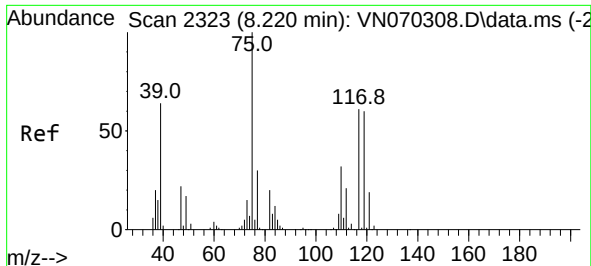
Tgt Ion:114 Resp: 1820305
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.4 0.0 27.4



#35
Dibromofluoromethane
Concen: 50.060 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

Tgt Ion:113 Resp: 551351
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 19.7 16.9 25.3

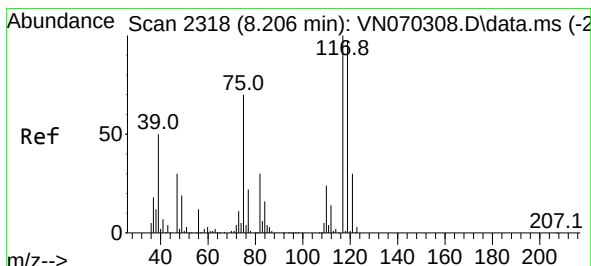
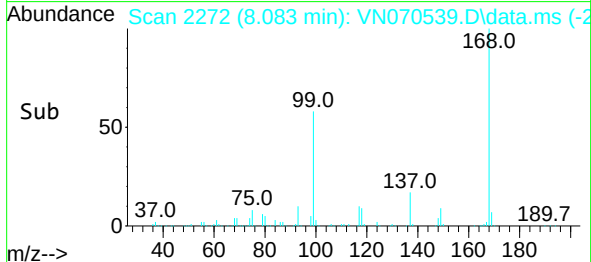
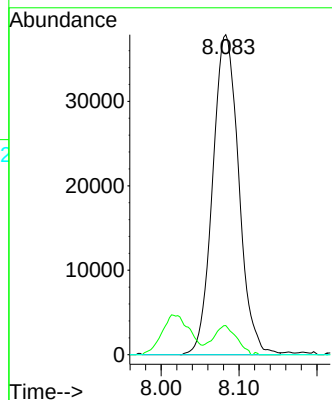
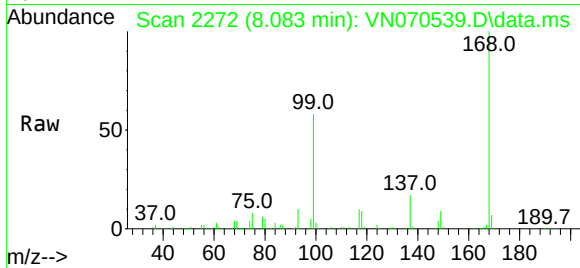




#36
 1,1-Dichloropropene
 Concen: 4.842 ug/l
 RT: 8.083 min Scan# 211
 Delta R.T. -0.137 min
 Lab File: VN070539.D
 Acq: 10 Jan 2022 12:44

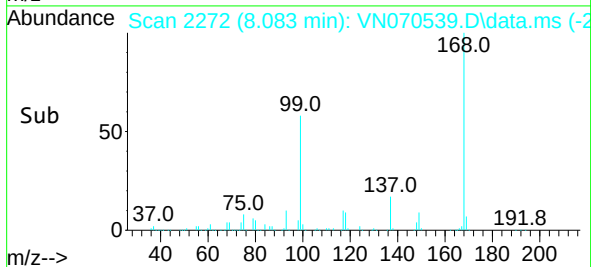
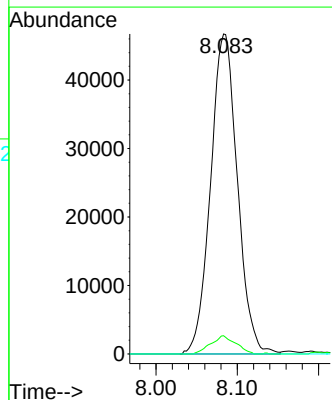
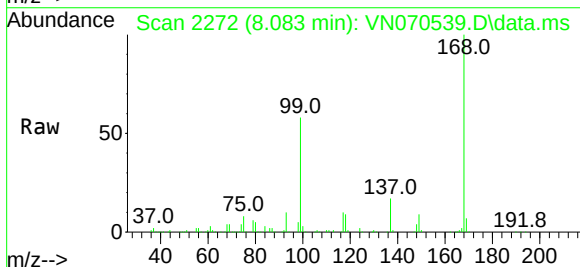
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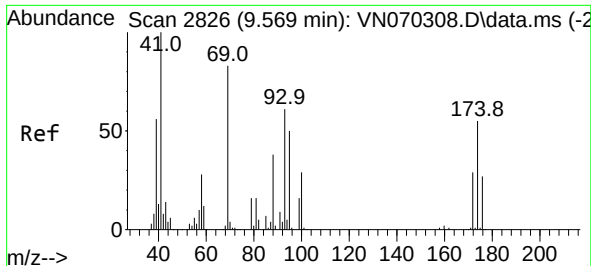
Tgt Ion: 75 Resp: 88215
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.4 55.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.164 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.123 min
 Lab File: VN070539.D
 Acq: 10 Jan 2022 12:44

Tgt Ion: 117 Resp: 107238
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.1 114.1#
 121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 0.219 ug/l

RT: 9.580 min Scan# 21

Delta R.T. 0.011 min

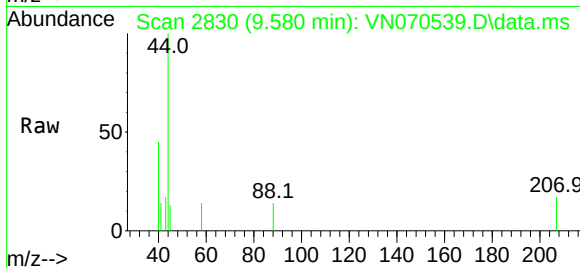
Lab File: VN070539.D

Acq: 10 Jan 2022 12:44

Instrument :

MSVOA_N

ClientSampleId :



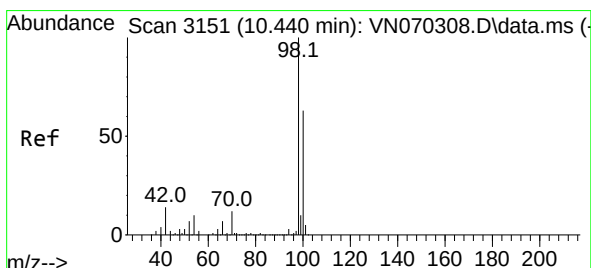
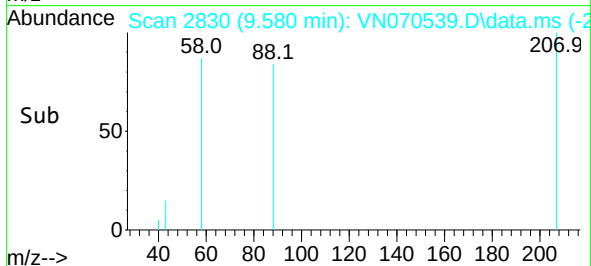
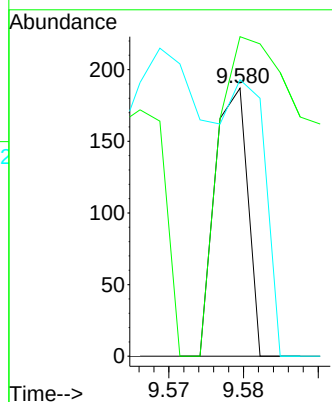
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 321.1 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 48.585 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN070539.D

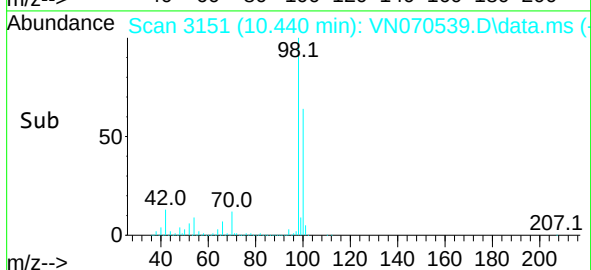
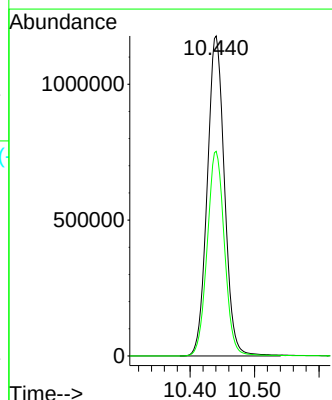
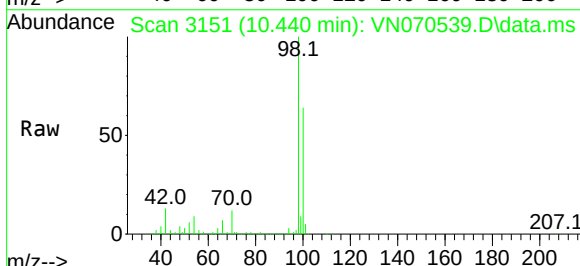
Acq: 10 Jan 2022 12:44

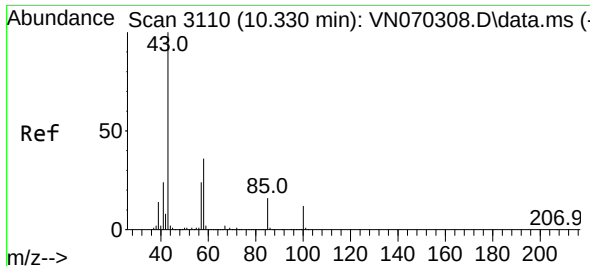
Tgt Ion: 98 Resp: 2185968

Ion Ratio Lower Upper

98 100

100 64.1 50.4 75.6

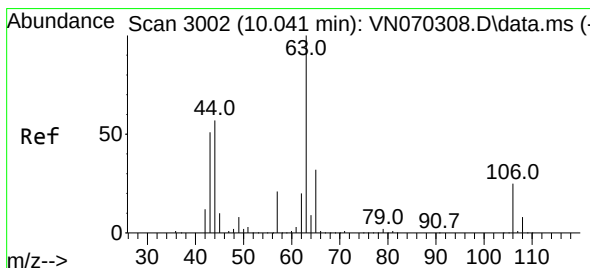
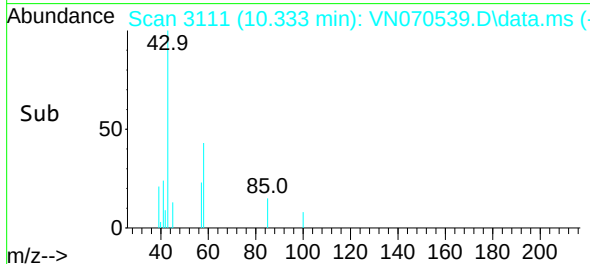
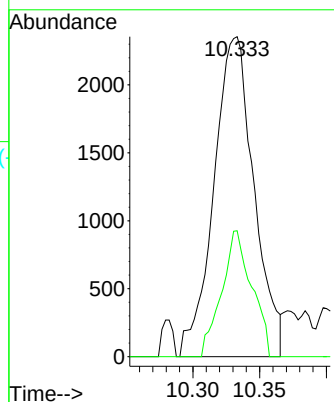
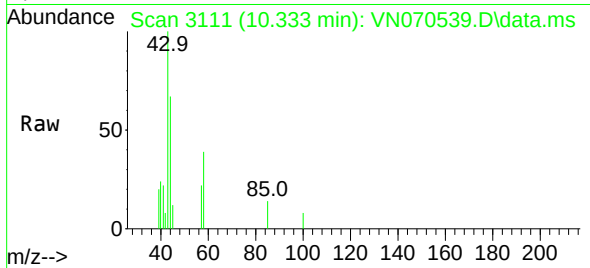




#51
4-Methyl-2-Pentanone
Concen: 0.211 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

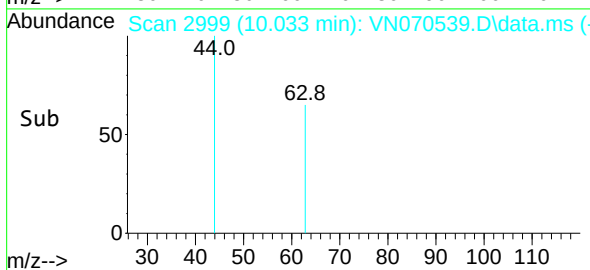
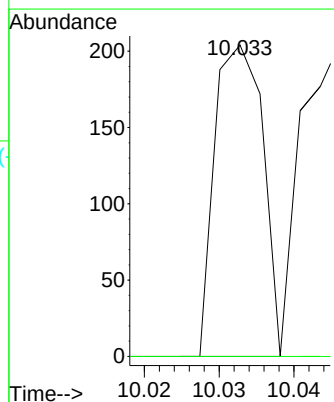
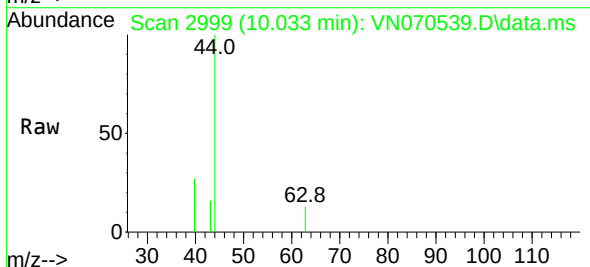
Instrument :
MSVOA_N
ClientSampleId :

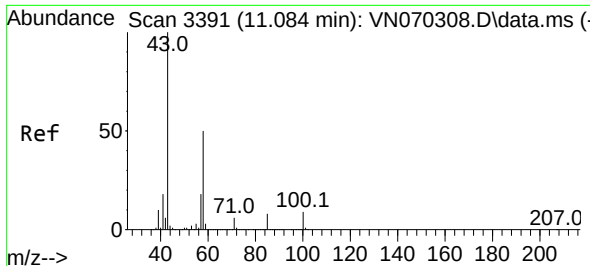
Tgt Ion: 43 Resp: 4934
Ion Ratio Lower Upper
43 100
58 29.4 30.4 45.6#



#58
2-Chloroethyl Vinyl ether
Concen: 18.528 ug/l
RT: 10.033 min Scan# 2999
Delta R.T. -0.008 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

Tgt Ion: 63 Resp: 91
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

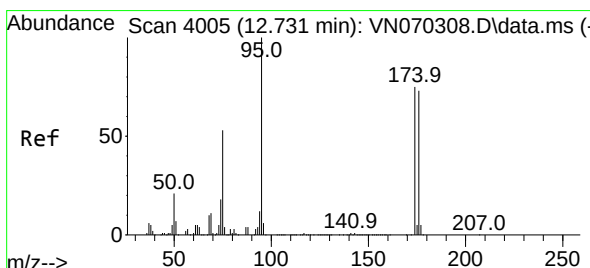
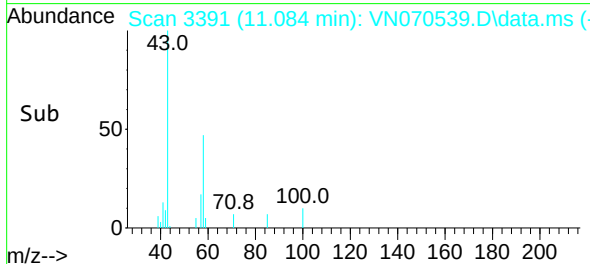
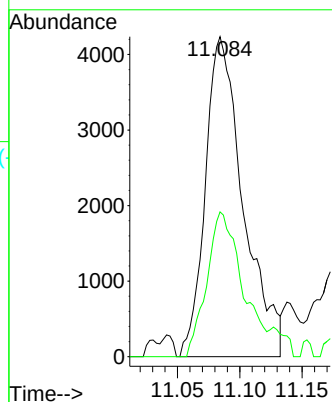
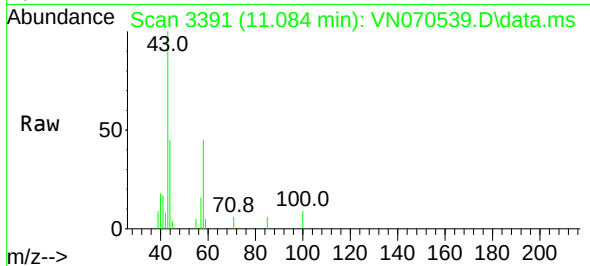




#59
2-Hexanone
Concen: 0.526 ug/l
RT: 11.084 min Scan# 3391
Delta R.T. 0.000 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

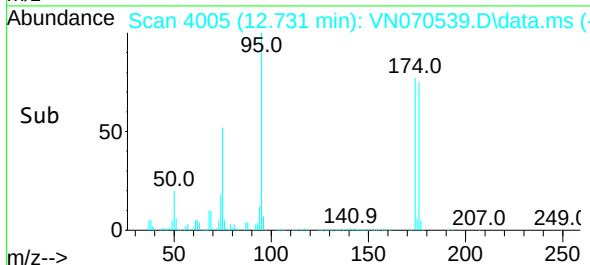
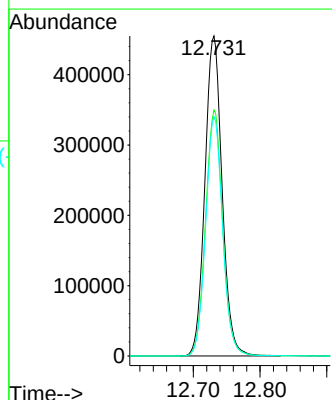
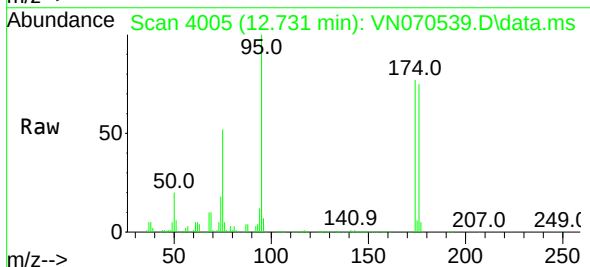
Instrument :
MSVOA_N
ClientSampleId :

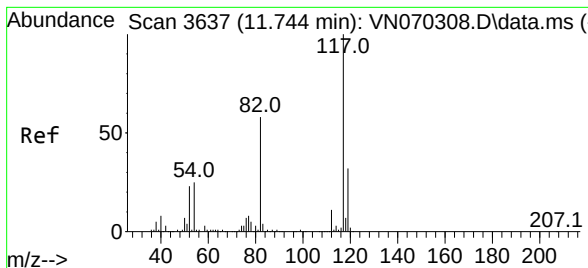
Tgt Ion: 43 Resp: 8982
Ion Ratio Lower Upper
43 100
58 42.2 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 50.168 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

Tgt Ion: 95 Resp: 815249
Ion Ratio Lower Upper
95 100
174 76.8 0.0 187.2
176 73.9 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.000 min

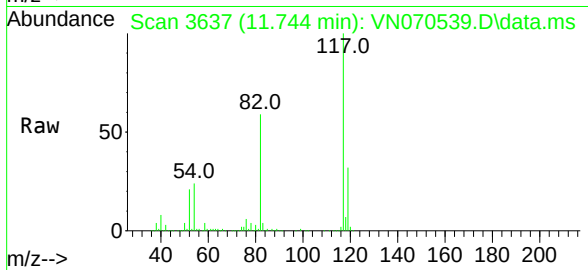
Lab File: VN070539.D

Acq: 10 Jan 2022 12:44

Instrument :

MSVOA_N

ClientSampleId :



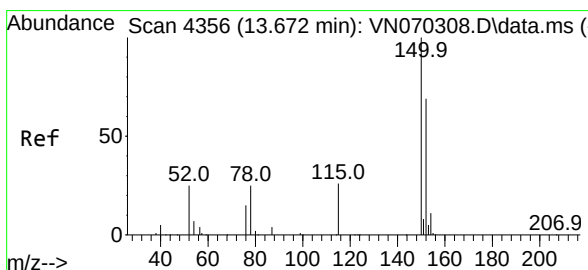
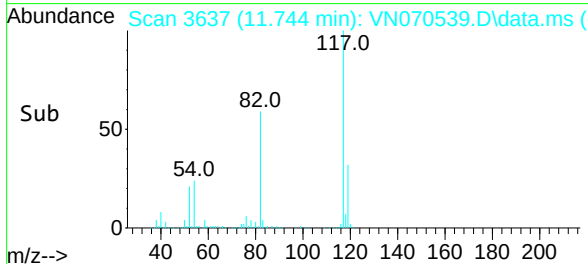
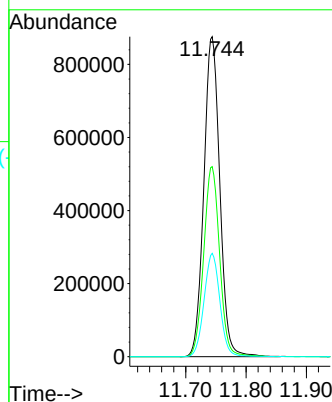
Tgt Ion:117 Resp: 1612811

Ion Ratio Lower Upper

117 100

82 59.4 42.4 63.6

119 32.3 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 4357

Delta R.T. 0.003 min

Lab File: VN070539.D

Acq: 10 Jan 2022 12:44

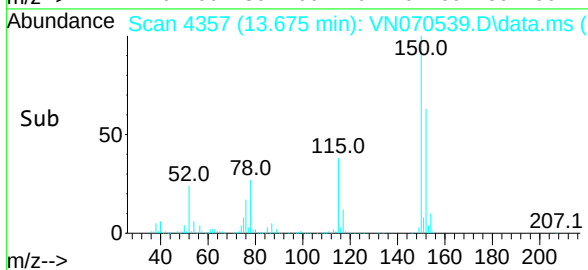
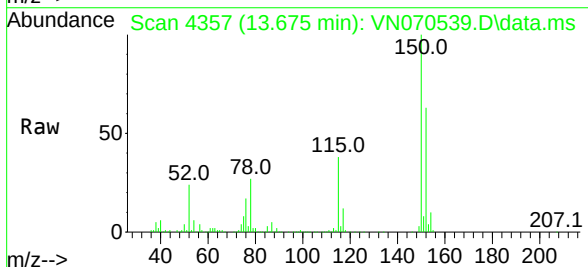
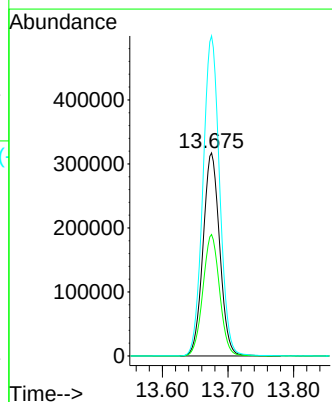
Tgt Ion:152 Resp: 558079

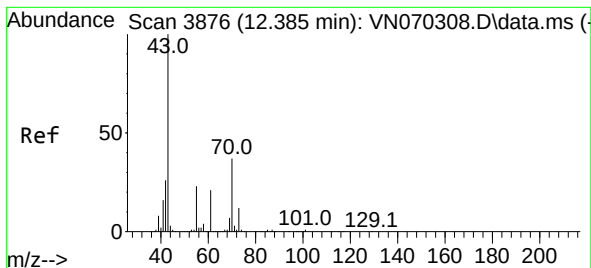
Ion Ratio Lower Upper

152 100

115 59.9 27.5 82.5

150 157.7 0.0 344.4





#74

N-amy1 acetate

Concen: 0.206 ug/l

RT: 12.396 min Scan# 3880

Delta R.T. 0.011 min

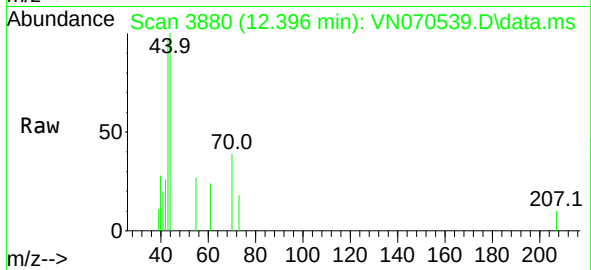
Lab File: VN070539.D

Acq: 10 Jan 2022 12:44

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 4481

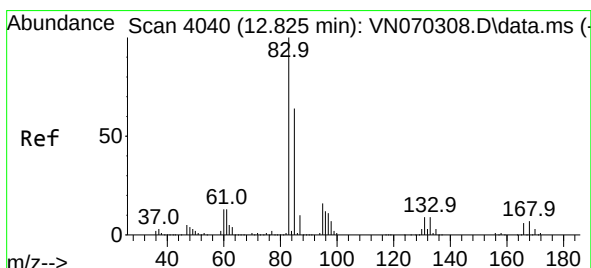
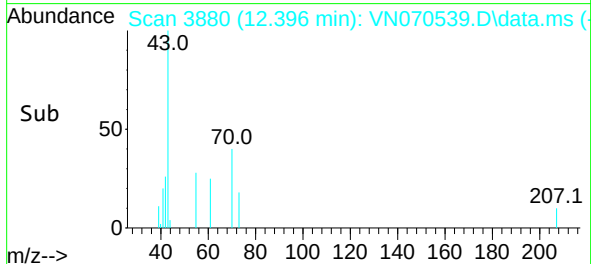
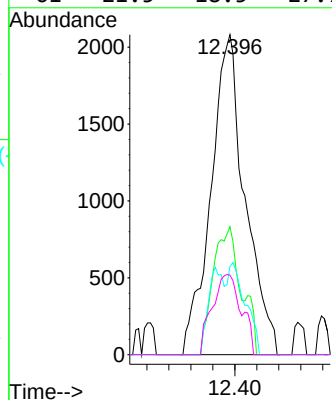
Ion Ratio Lower Upper

43 100

70 29.3 33.4 50.0#

55 13.9 19.3 28.9#

61 21.5 18.5 27.7



#75

1,1,2,2-Tetrachloroethane

Concen: 0.493 ug/l

RT: 12.819 min Scan# 4038

Delta R.T. -0.006 min

Lab File: VN070539.D

Acq: 10 Jan 2022 12:44

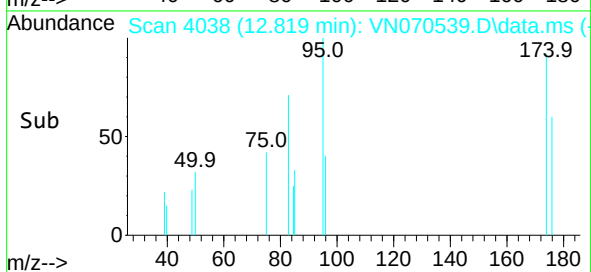
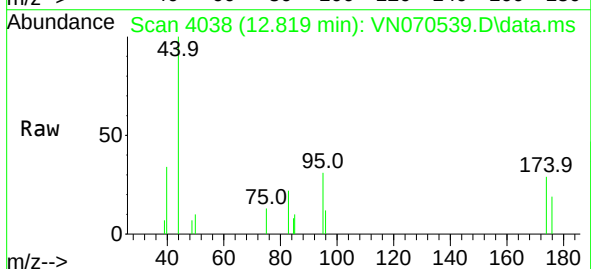
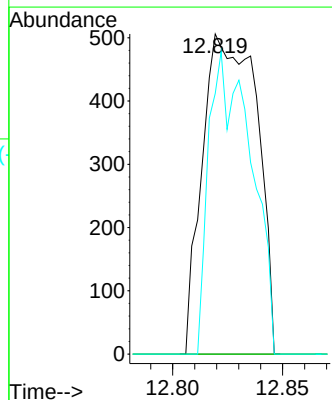
Tgt Ion: 83 Resp: 865

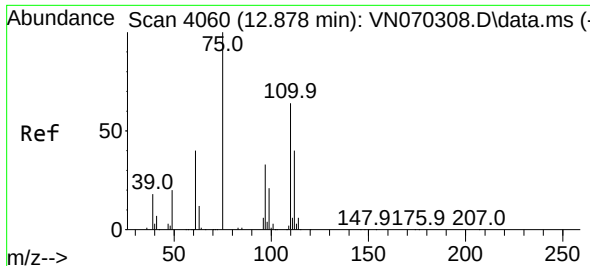
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.5#

85 33.2 32.4 97.2

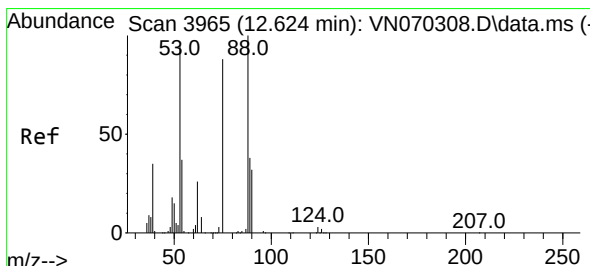
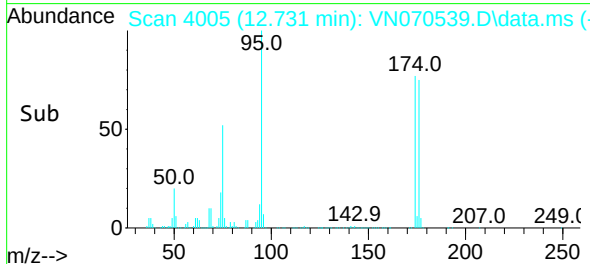
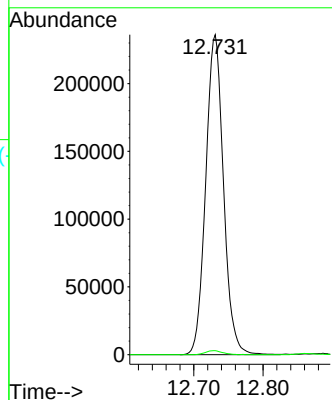
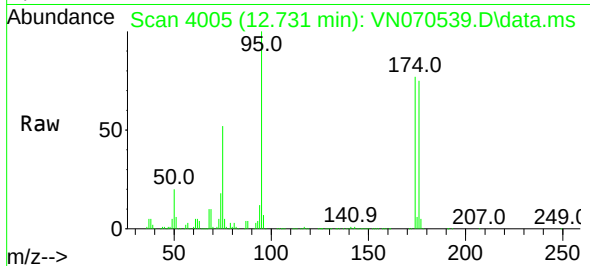




#76
1,2,3-Trichloropropane
Concen: 26.828 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

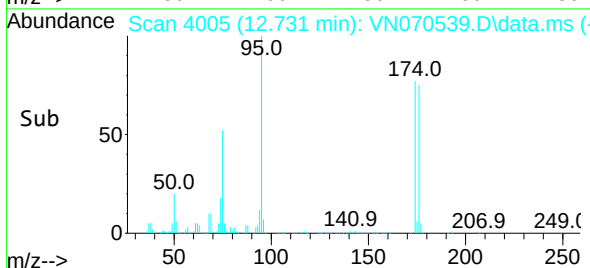
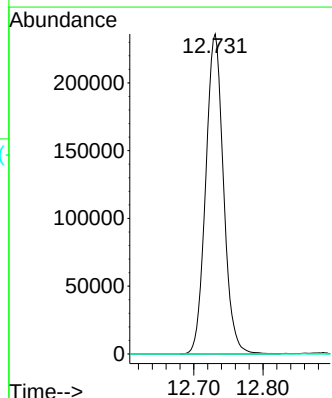
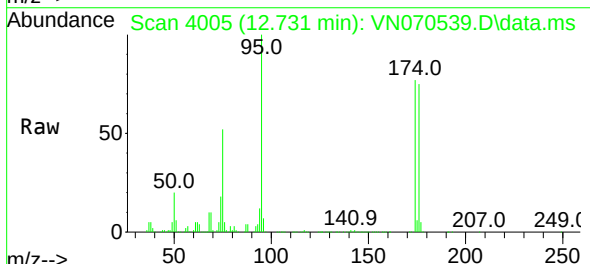
Instrument :
MSVOA_N
ClientSampleId :

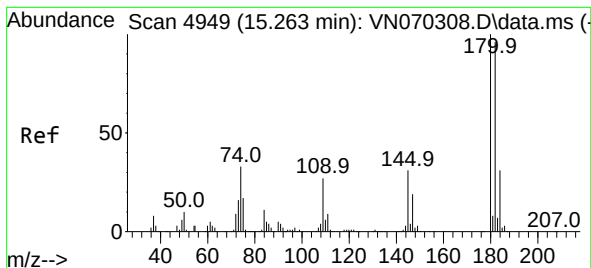
Tgt Ion: 75 Resp: 421099
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.189 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070539.D
Acq: 10 Jan 2022 12:44

Tgt Ion: 75 Resp: 421099
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 0.292 ug/l

RT: 15.260 min Scan# 4949

Delta R.T. -0.003 min

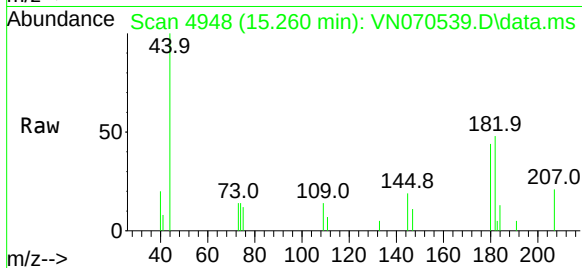
Lab File: VN070539.D

Acq: 10 Jan 2022 12:44

Instrument :

MSVOA_N

ClientSampleId :



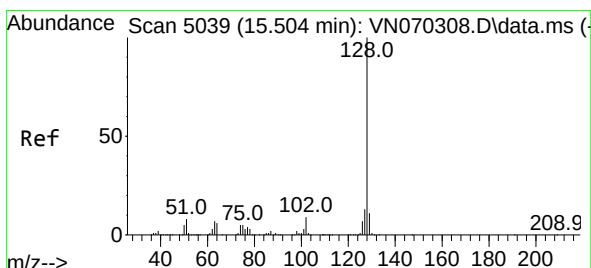
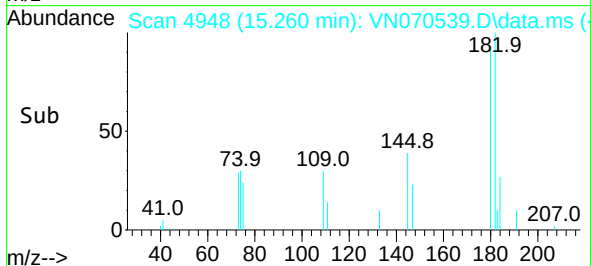
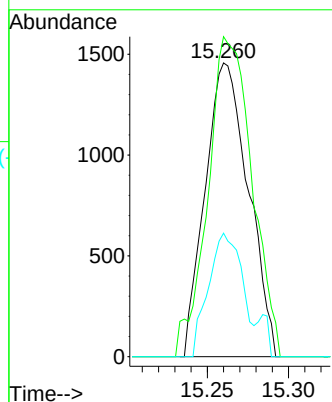
Tgt Ion:180 Resp: 2688

Ion Ratio Lower Upper

180 100

182 111.2 48.3 144.9

145 32.9 14.5 43.5



#95

Naphthalene

Concen: 2.187 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. 0.003 min

Lab File: VN070539.D

Acq: 10 Jan 2022 12:44

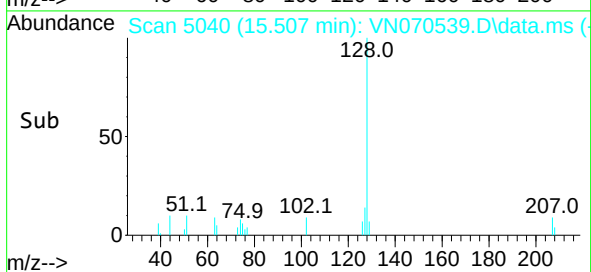
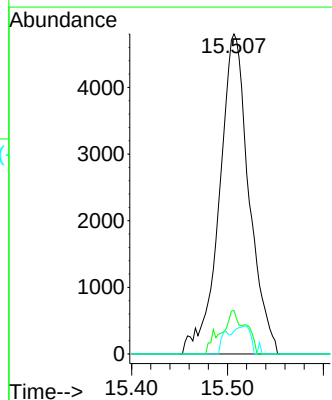
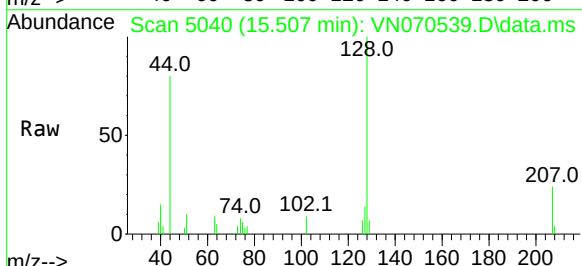
Tgt Ion:128 Resp: 10302

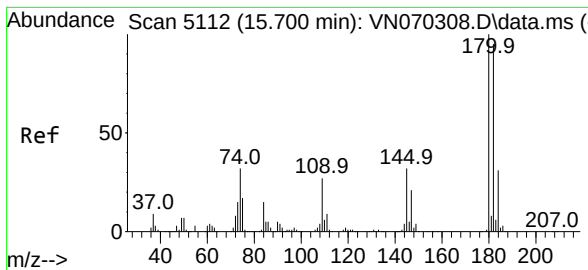
Ion Ratio Lower Upper

128 100

127 3.3 10.5 15.7#

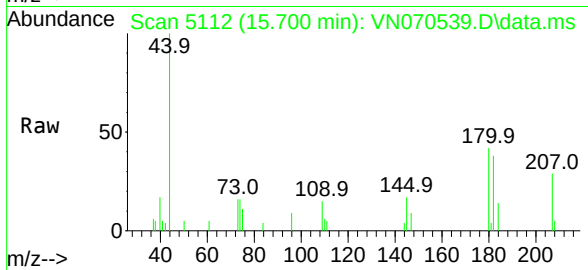
129 1.8 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.155 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070539.D
 Acq: 10 Jan 2022 12:44

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2941
Ion	Ratio	Lower	Upper
180	100		
182	102.5	47.4	142.2
145	43.6	15.0	45.1

