

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070496.D
 Acq On : 5 Jan 2022 18:03
 Operator : JC/MD
 Sample : N1012-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 06 13:26:26 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

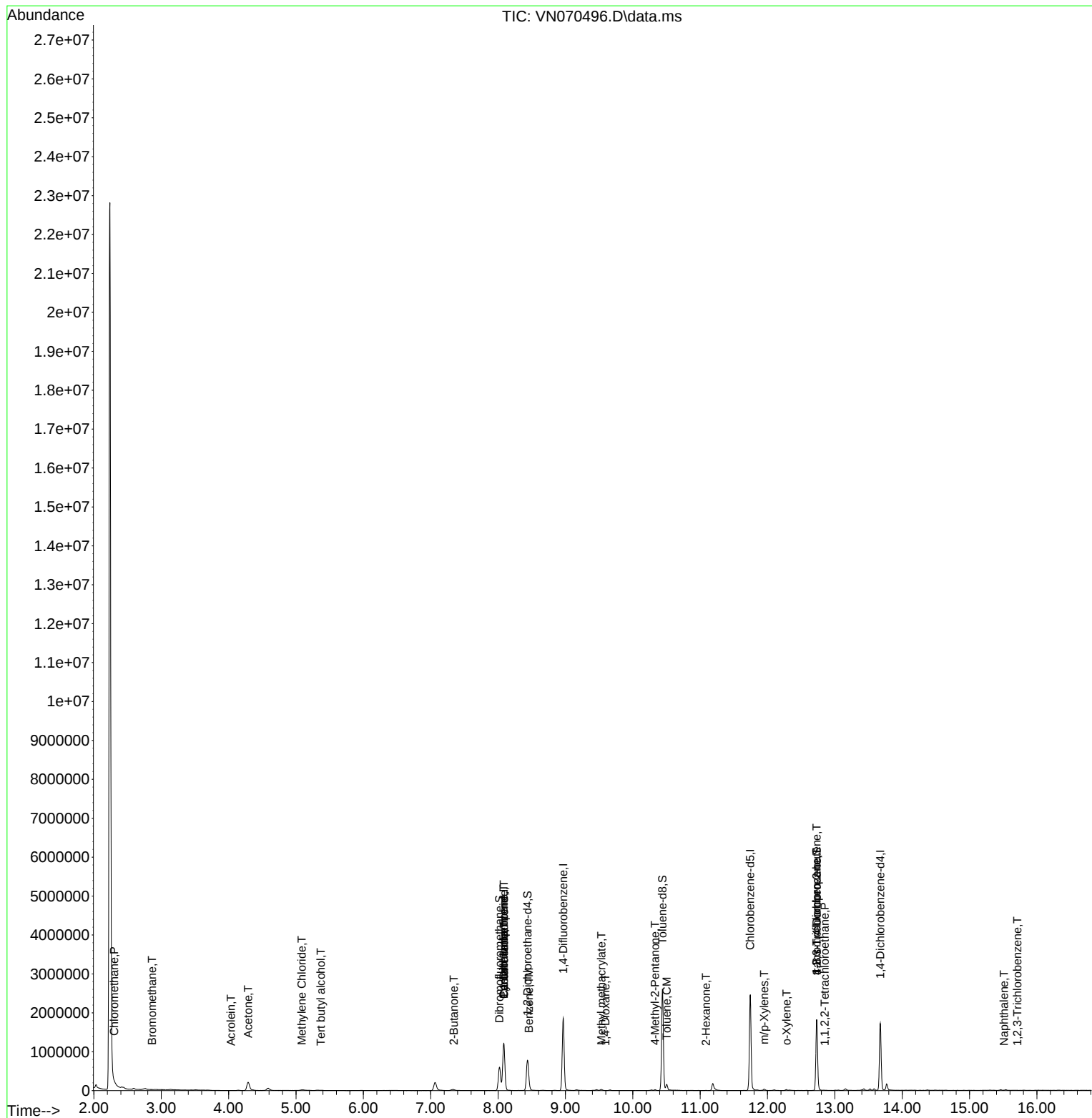
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	934979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1582273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1425117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	479155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	647093	48.135	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.280%		
35) Dibromofluoromethane	8.019	113	453357	47.355	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.720%		
50) Toluene-d8	10.440	98	1829328	46.775	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.560%		
62) 4-Bromofluorobenzene	12.731	95	662567	46.906	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.820%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	3157	0.219	ug/l	99
5) Bromomethane	2.864	94	1420	0.210	ug/l #	63
11) Tert butyl alcohol	5.366	59	2063	0.922	ug/l #	76
13) Acrolein	4.033	56	627	0.345	ug/l #	62
16) Acetone	4.291	43	415938	47.662	ug/l	100
20) Methylene Chloride	5.085	84	4867	0.403	ug/l	91
25) 2-Butanone	7.343	43	29828	2.715	ug/l	94
31) Cyclohexane	8.086	56	28004	1.320	ug/l #	21
36) 1,1-Dichloropropene	8.083	75	75183	4.747	ug/l #	49
38) Carbon Tetrachloride	8.086	117	90830	6.006	ug/l #	16
40) Benzene	8.458	78	58541	1.206	ug/l	96
48) Methyl methacrylate	9.534	41	9313	0.603	ug/l #	28
49) 1,4-Dioxane	9.593	88	83	0.367	ug/l #	27
51) 4-Methyl-2-Pentanone	10.331	43	12308	0.605	ug/l	90
52) Toluene	10.505	92	61966	2.108	ug/l	95
59) 2-Hexanone	11.087	43	3647	0.246	ug/l #	54
68) m/p-Xylenes	11.950	106	10919	0.541	ug/l	91
69) o-Xylene	12.283	106	5015	0.250	ug/l	82
75) 1,1,2,2-Tetrachloroethane	12.852	83	976	0.507	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	341283	25.477	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	341283	87.022	ug/l #	5
95) Naphthalene	15.509	128	2796	1.920	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.708	180	315	0.867	ug/l #	12

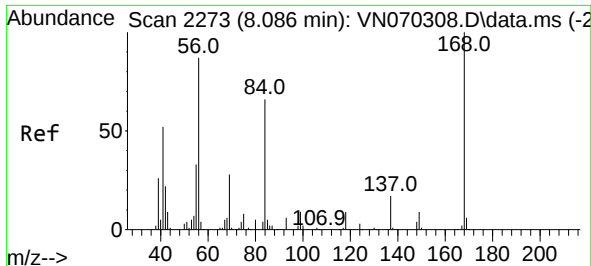
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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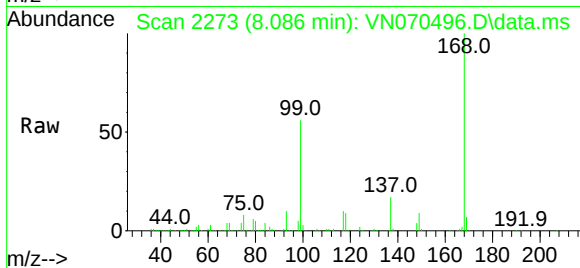
Quant Time: Jan 06 13:26:26 2022
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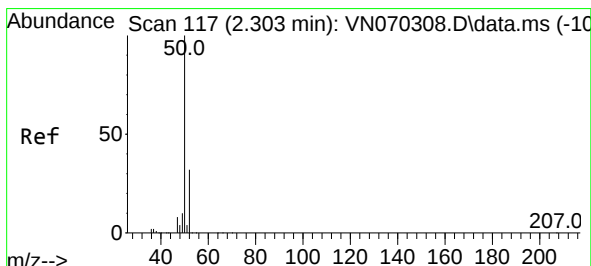
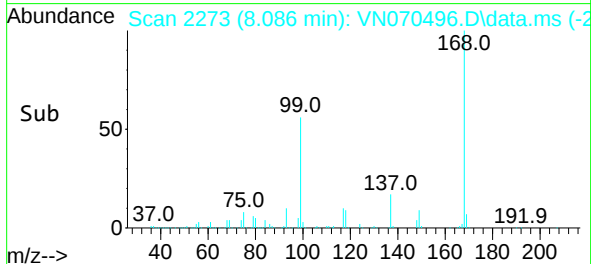
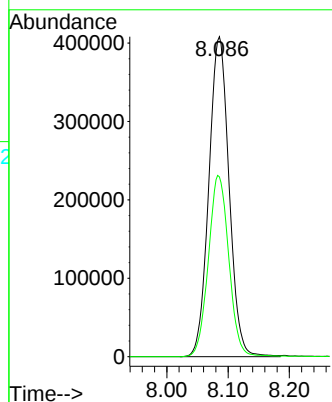


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :

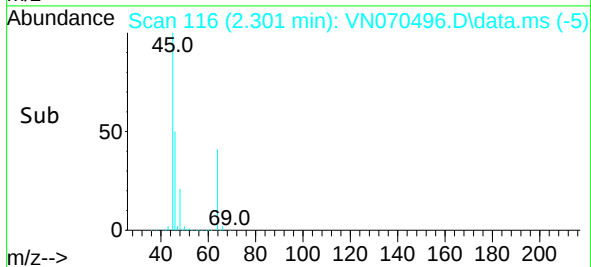
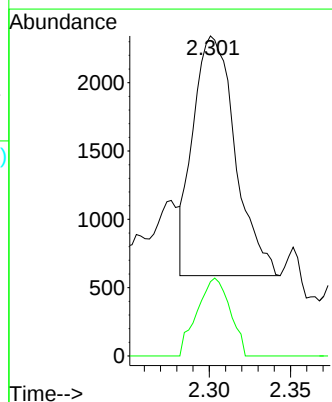
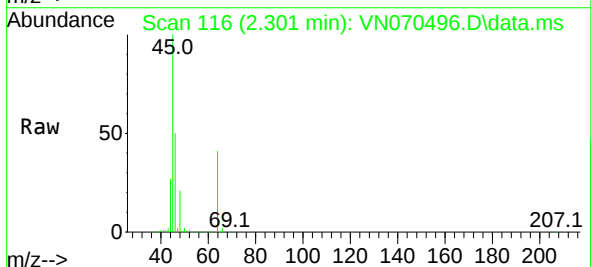


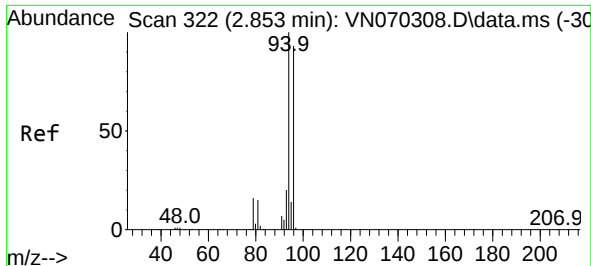
Tgt Ion:168 Resp: 934979
Ion Ratio Lower Upper
168 100
99 56.2 41.3 61.9



#3
Chloromethane
Concen: 0.219 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

Tgt Ion: 50 Resp: 3157
Ion Ratio Lower Upper
50 100
52 31.0 25.4 38.0

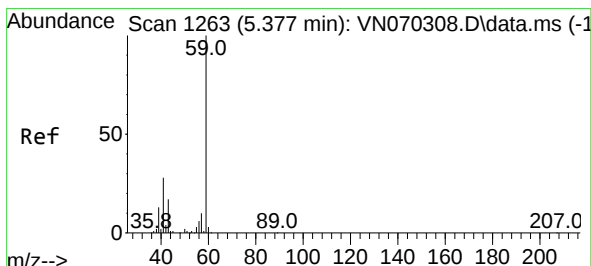
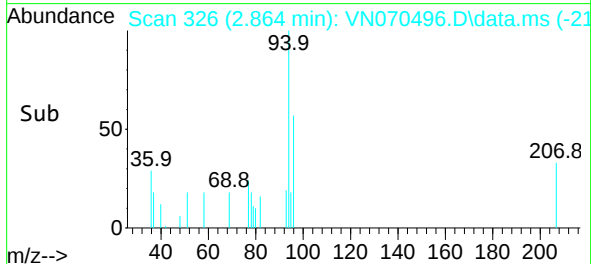
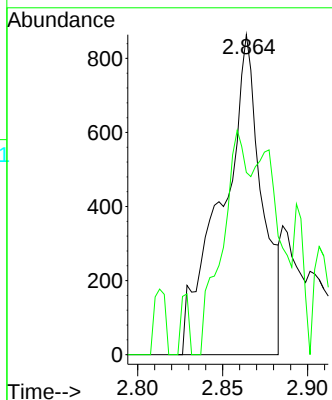
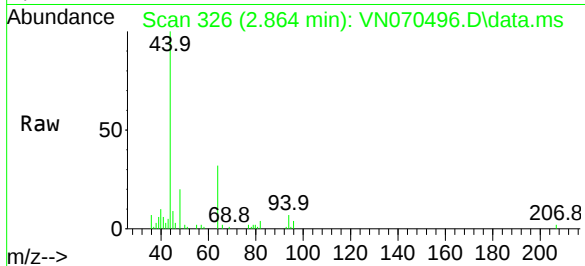




#5
Bromomethane
Concen: 0.210 ug/l
RT: 2.864 min Scan# 31
Delta R.T. 0.011 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

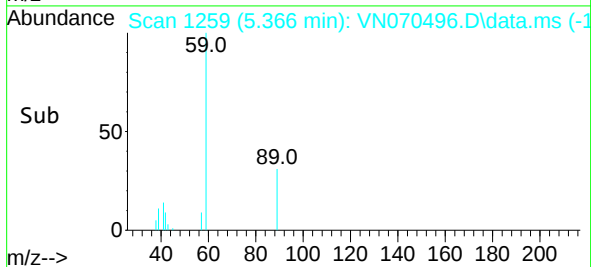
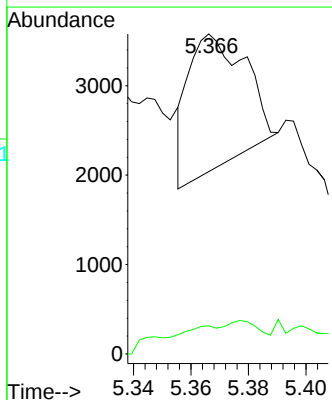
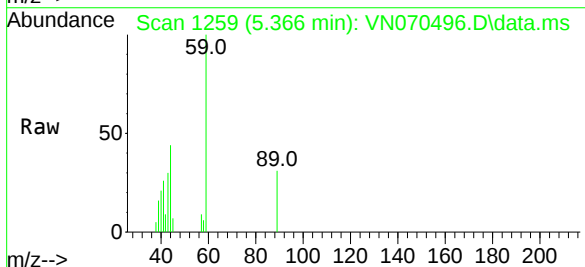
Instrument :
MSVOA_N
ClientSampleId :

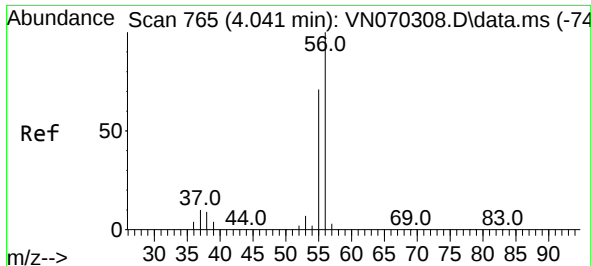
Tgt Ion: 94 Resp: 1420
Ion Ratio Lower Upper
94 100
96 56.9 73.8 110.8#



#11
Tert butyl alcohol
Concen: 0.922 ug/l
RT: 5.366 min Scan# 1259
Delta R.T. -0.011 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

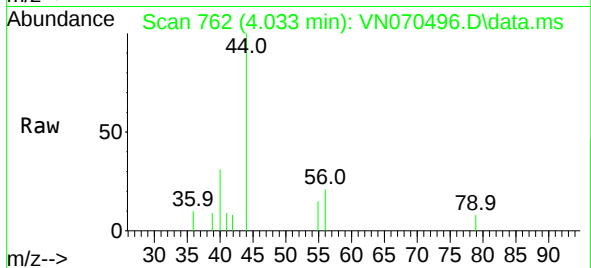
Tgt Ion: 59 Resp: 2063
Ion Ratio Lower Upper
59 100
57 19.9 8.7 13.1#



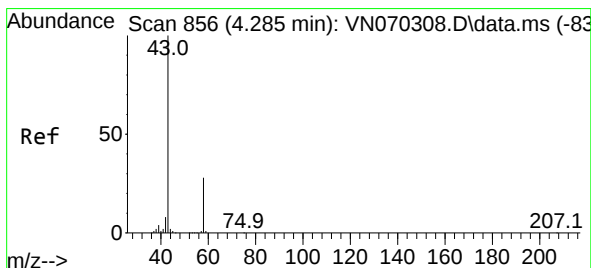
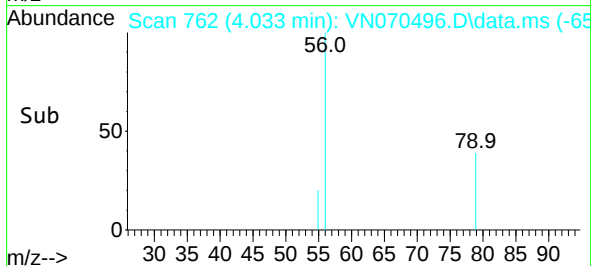
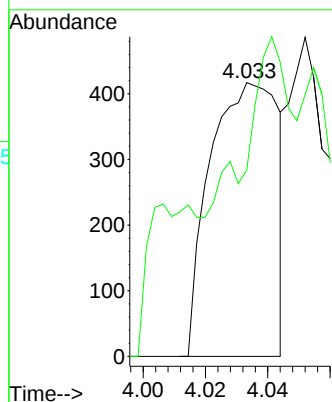


#13
Acrolein
Concen: 0.345 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :

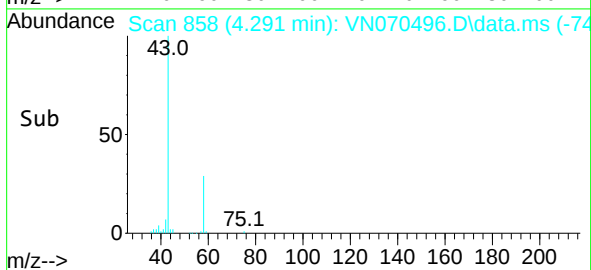
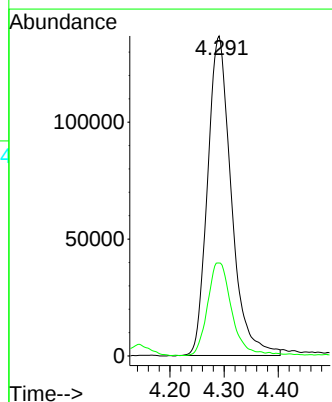
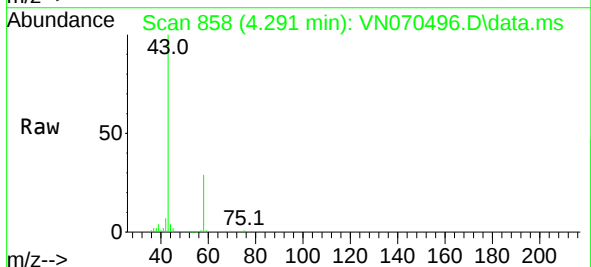


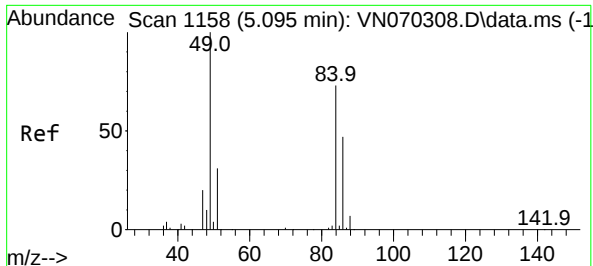
Tgt Ion: 56 Resp: 627
Ion Ratio Lower Upper
56 100
55 39.4 56.6 85.0#



#16
Acetone
Concen: 47.662 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

Tgt Ion: 43 Resp: 415938
Ion Ratio Lower Upper
43 100
58 29.0 23.1 34.7





#20

Methylene Chloride

Concen: 0.403 ug/l

RT: 5.085 min Scan# 1154

Delta R.T. -0.010 min

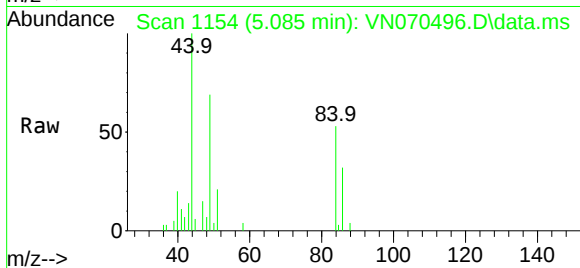
Lab File: VN070496.D

Acq: 5 Jan 2022 18:03

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 4867

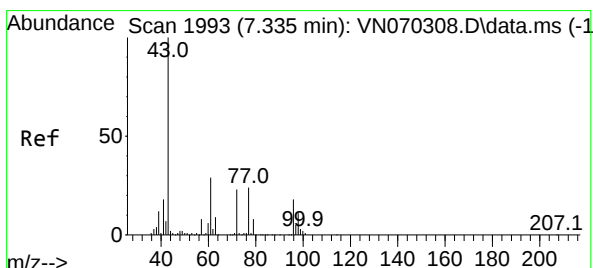
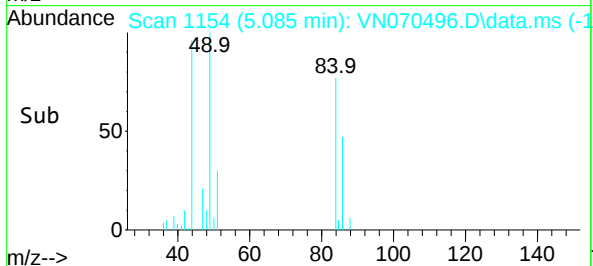
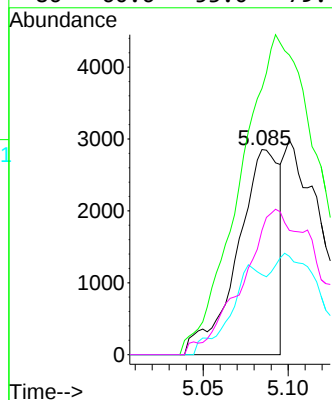
Ion Ratio Lower Upper

84 100

49 129.8 93.5 140.3

51 39.0 29.4 44.2

86 60.6 53.0 79.4



#25

2-Butanone

Concen: 2.715 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. 0.008 min

Lab File: VN070496.D

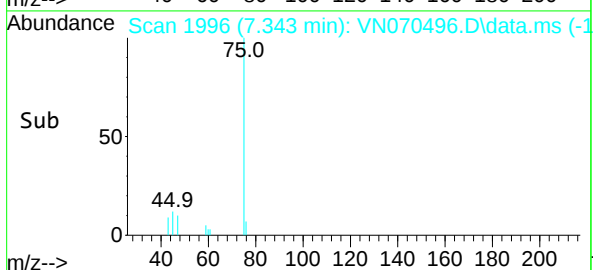
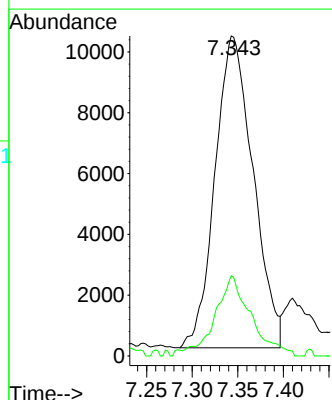
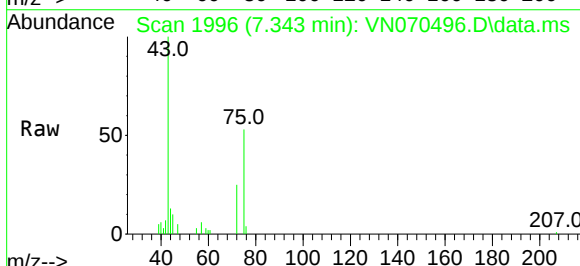
Acq: 5 Jan 2022 18:03

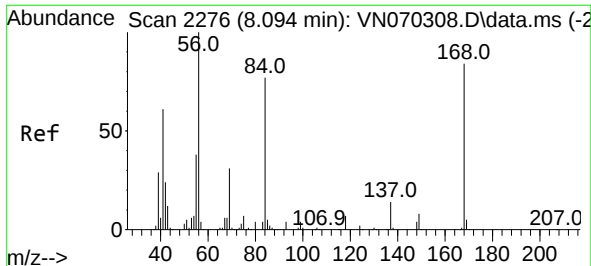
Tgt Ion: 43 Resp: 29828

Ion Ratio Lower Upper

43 100

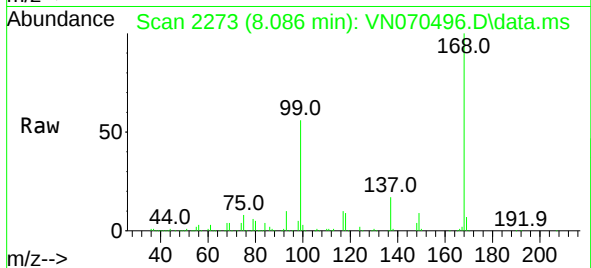
72 23.9 21.7 32.5



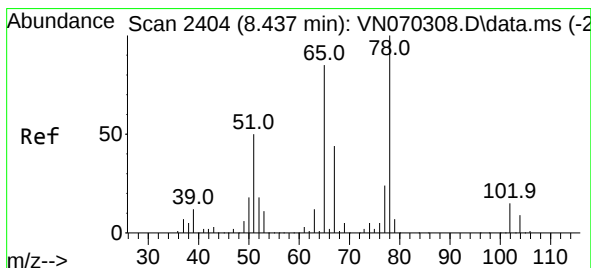
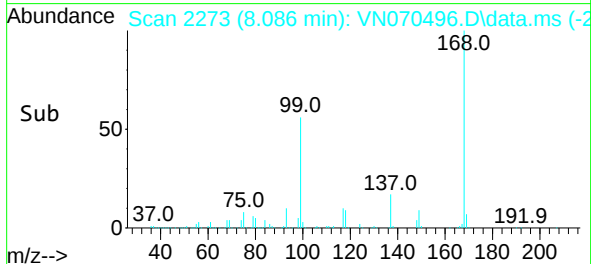
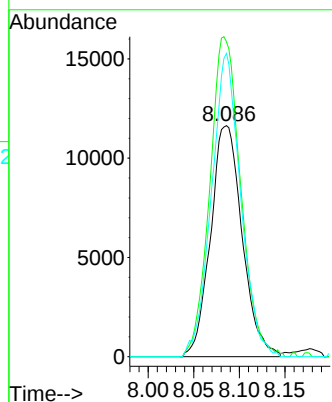


#31
Cyclohexane
Concen: 1.320 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :

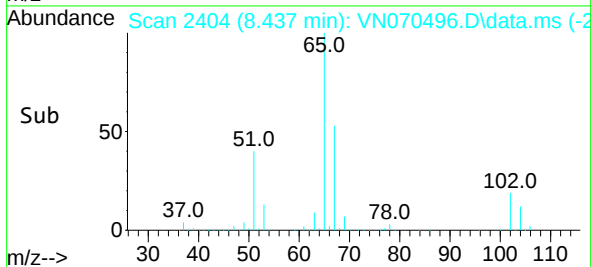
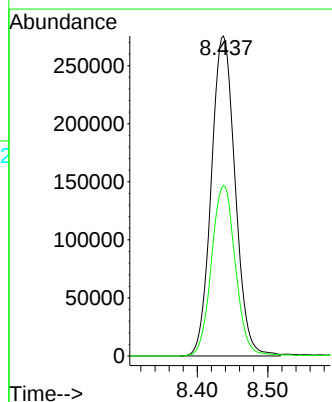
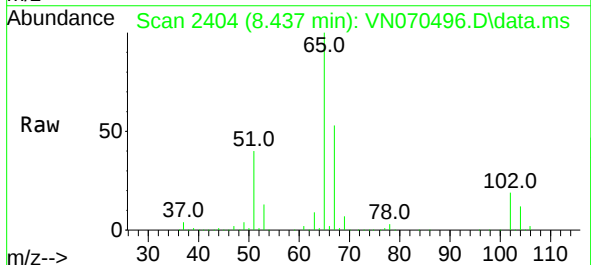


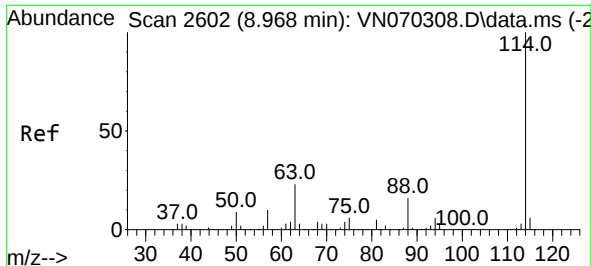
Tgt Ion: 56 Resp: 28004
Ion Ratio Lower Upper
56 100
69 136.4 27.1 40.7#
84 131.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 48.135 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

Tgt Ion: 65 Resp: 647093
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.0

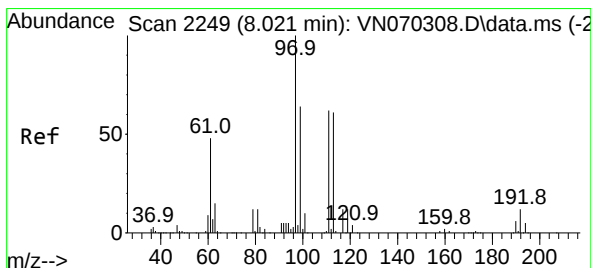
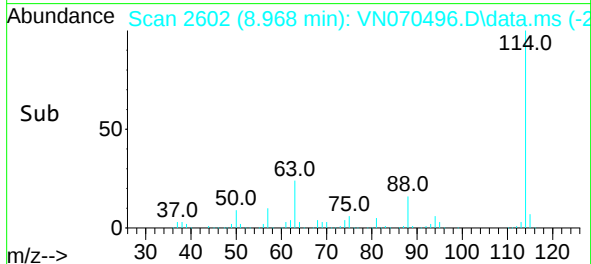
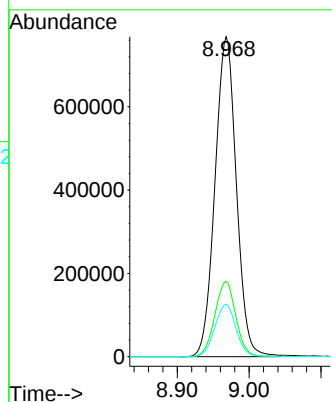
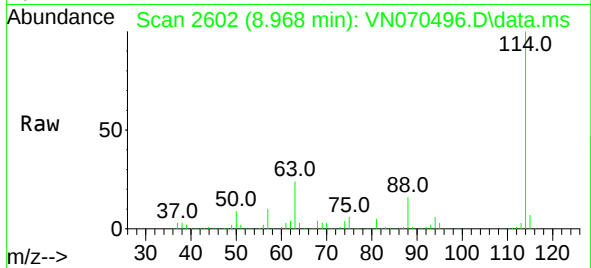




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

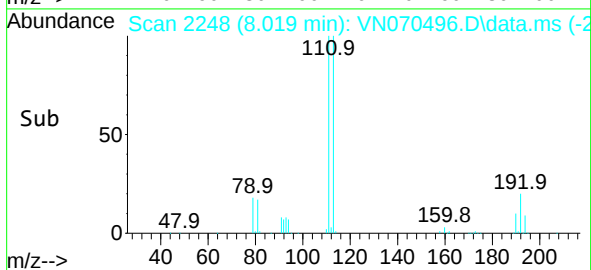
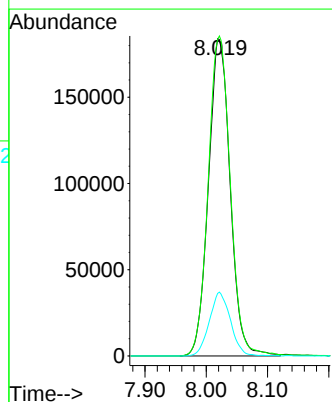
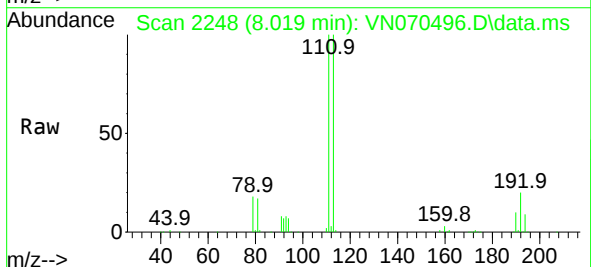
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MSVOA_N
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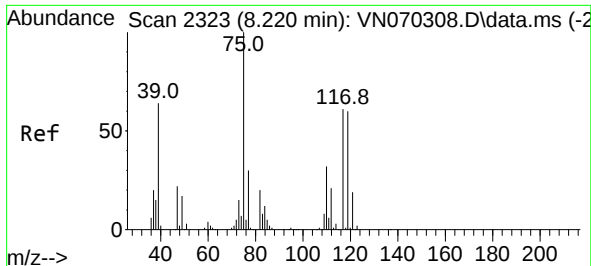
Tgt Ion:114 Resp: 1582273
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.4 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.355 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.002 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

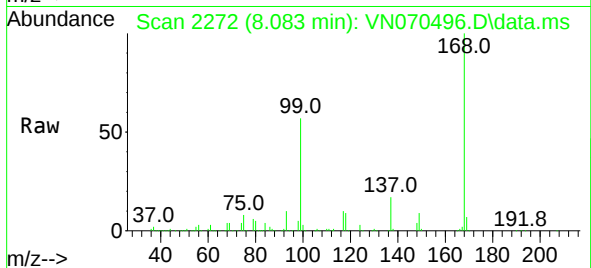
Tgt Ion:113 Resp: 453357
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 19.5 16.9 25.3



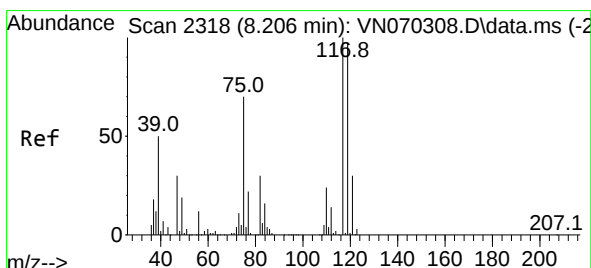
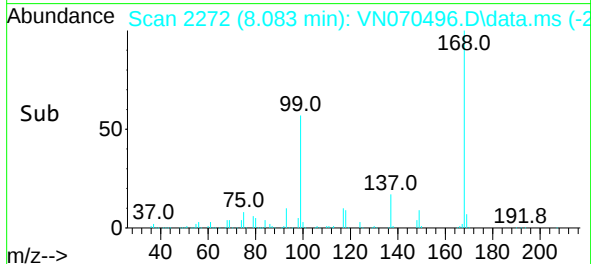
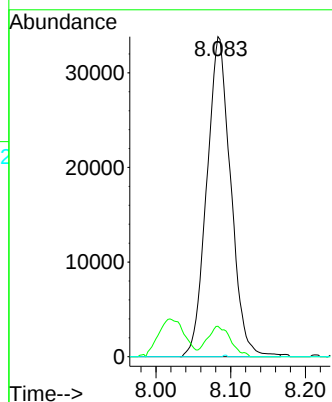


#36
1,1-Dichloropropene
Concen: 4.747 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :

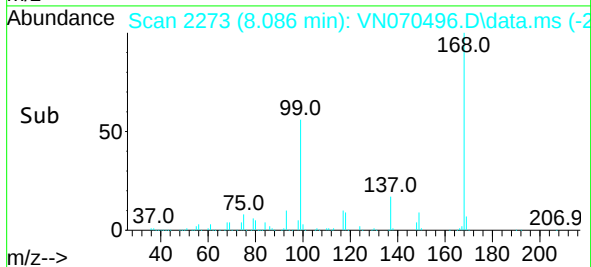
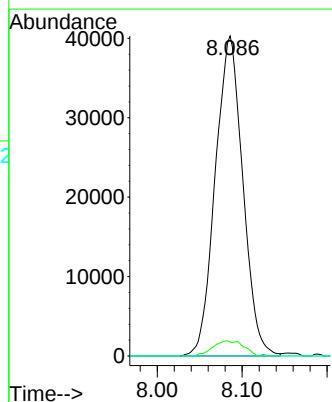
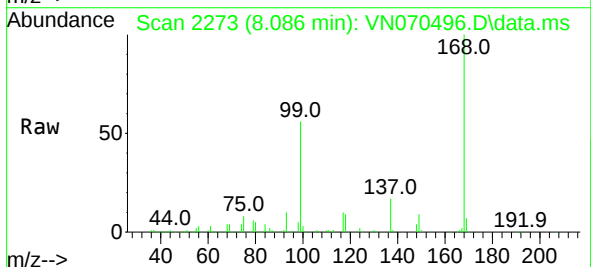


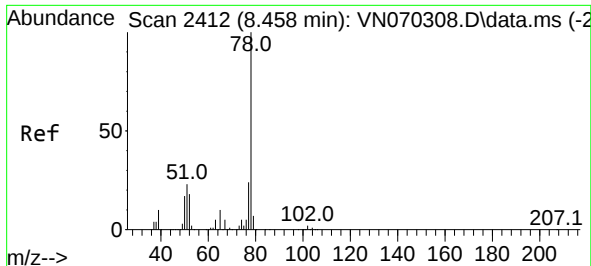
Tgt Ion: 75 Resp: 75183
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.006 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

Tgt Ion: 117 Resp: 90830
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.2 36.2#

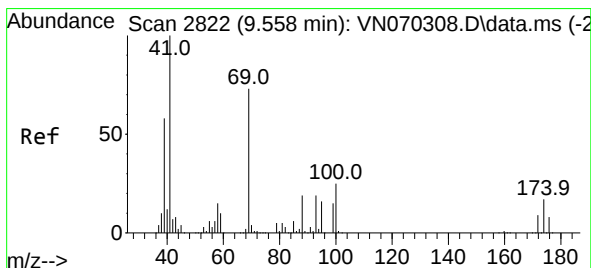
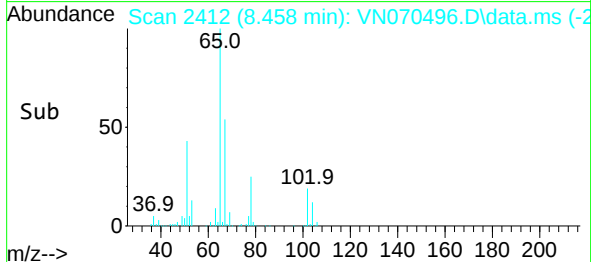
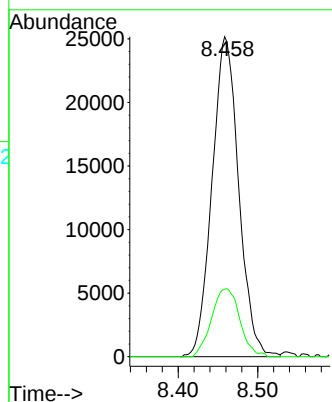
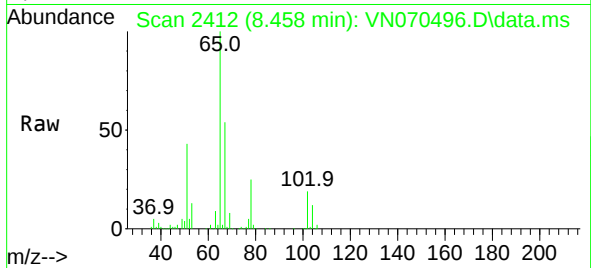




#40
Benzene
Concen: 1.206 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. 0.000 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

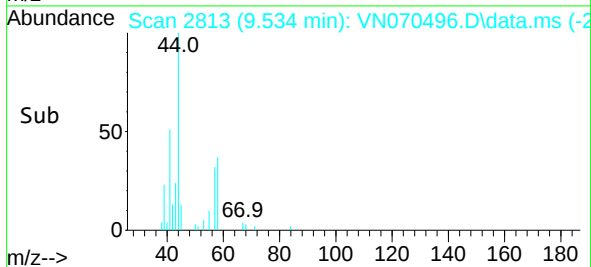
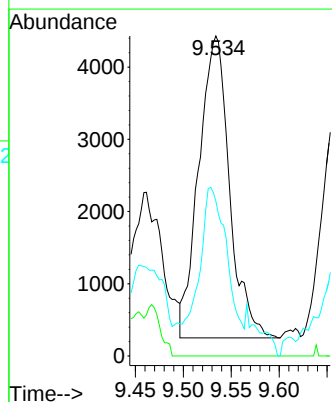
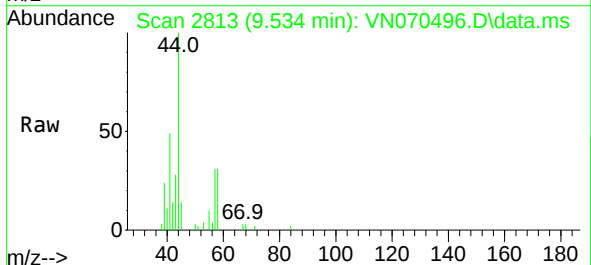
Instrument :
MSVOA_N
ClientSampleId :

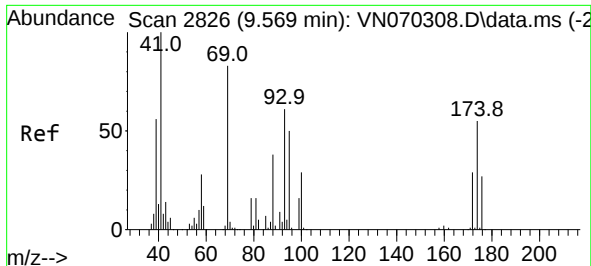
Tgt Ion: 78 Resp: 58541
Ion Ratio Lower Upper
78 100
77 21.1 18.6 27.8



#48
Methyl methacrylate
Concen: 0.603 ug/l
RT: 9.534 min Scan# 2813
Delta R.T. -0.024 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

Tgt Ion: 41 Resp: 9313
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 38.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 0.367 ug/l

RT: 9.593 min Scan# 21

Delta R.T. 0.024 min

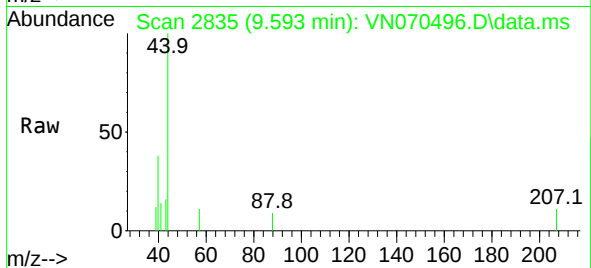
Lab File: VN070496.D

Acq: 5 Jan 2022 18:03

Instrument :

MSVOA_N

ClientSampleId :



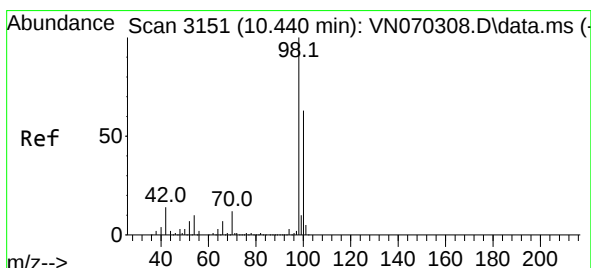
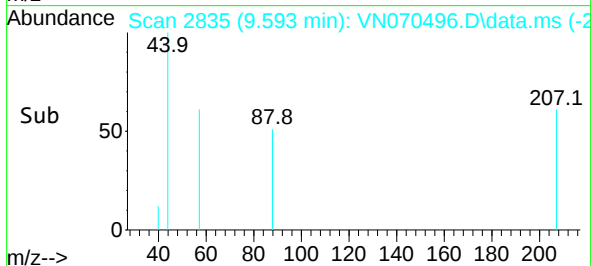
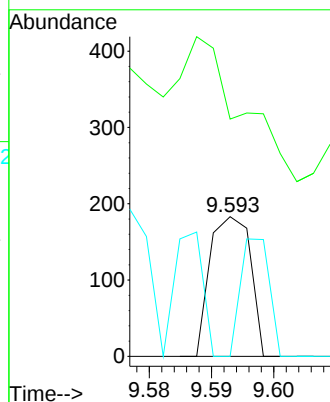
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 46.775 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN070496.D

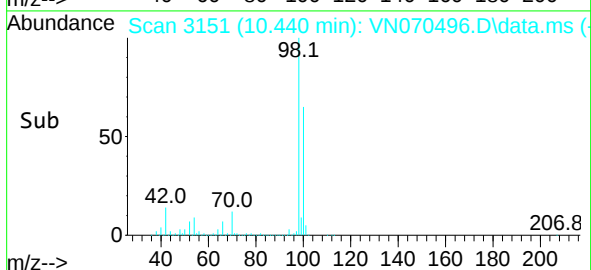
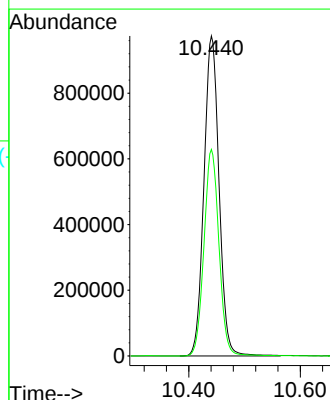
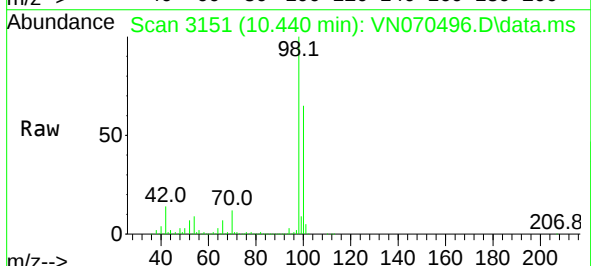
Acq: 5 Jan 2022 18:03

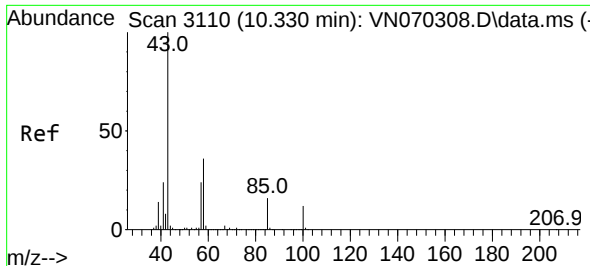
Tgt Ion: 98 Resp: 1829328

Ion Ratio Lower Upper

98 100

100 64.1 50.4 75.6

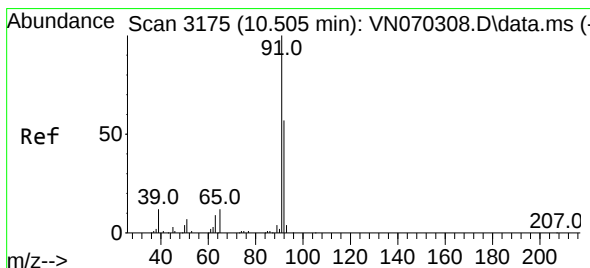
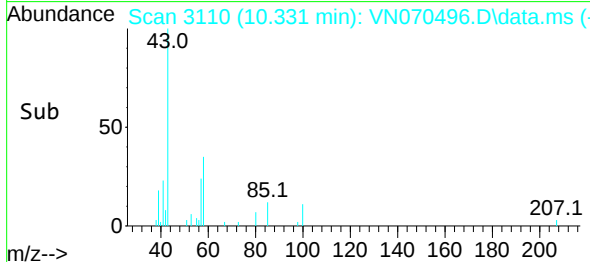
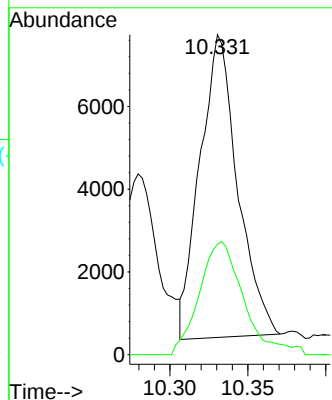
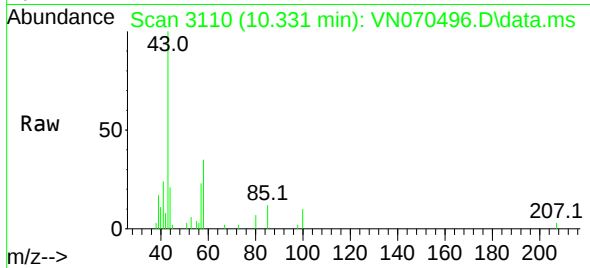




#51
4-Methyl-2-Pentanone
Concen: 0.605 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.001 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

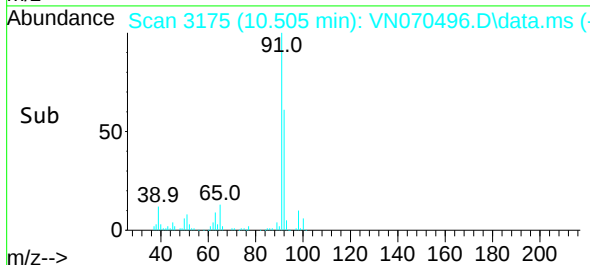
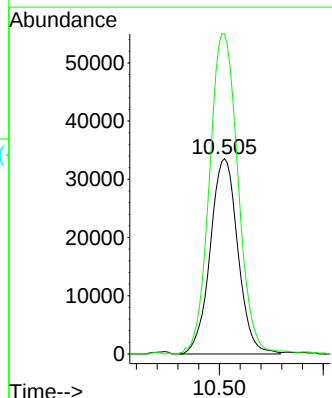
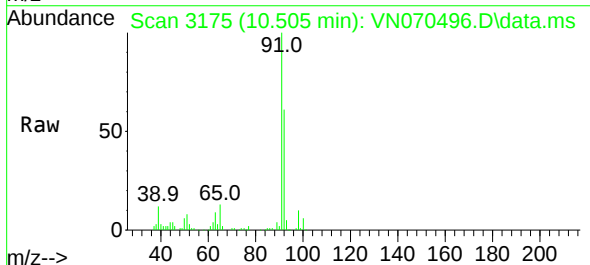
Instrument :
MSVOA_N
ClientSampleId :

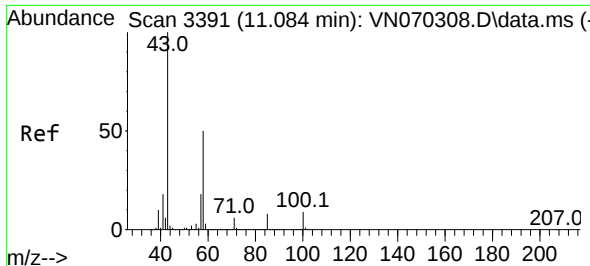
Tgt Ion: 43 Resp: 12308
Ion Ratio Lower Upper
43 100
58 43.8 30.4 45.6



#52
Toluene
Concen: 2.108 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

Tgt Ion: 92 Resp: 61966
Ion Ratio Lower Upper
92 100
91 170.3 142.0 213.0

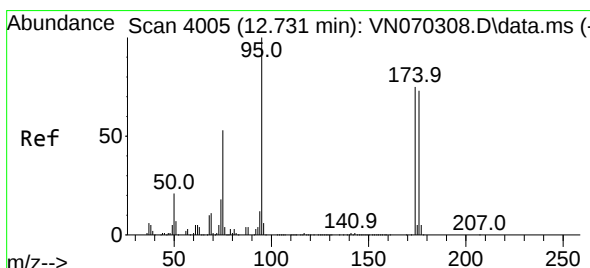
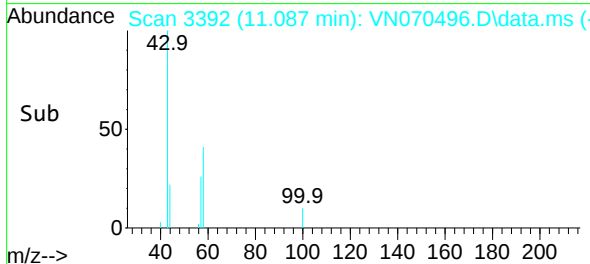
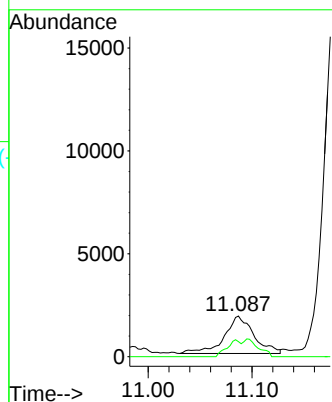
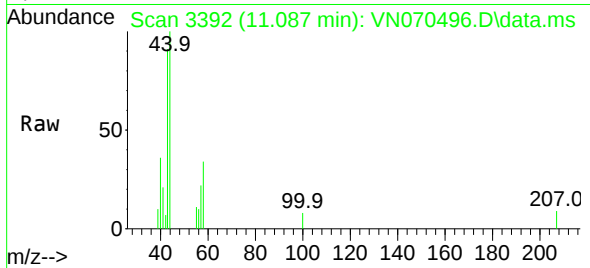




#59
2-Hexanone
Concen: 0.246 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

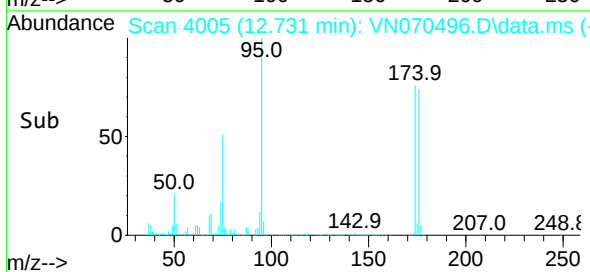
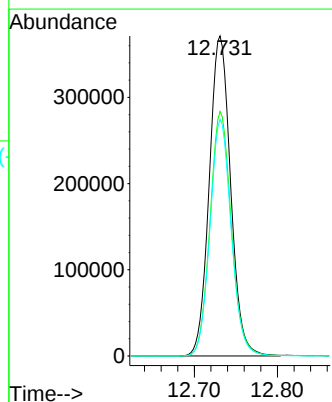
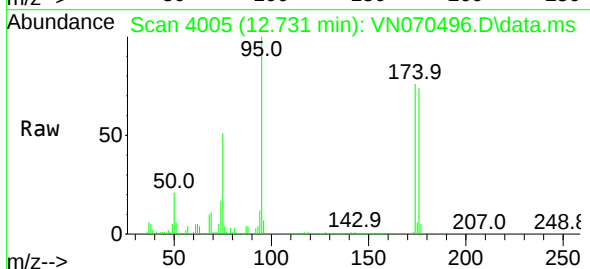
Instrument :
MSVOA_N
ClientSampleId :

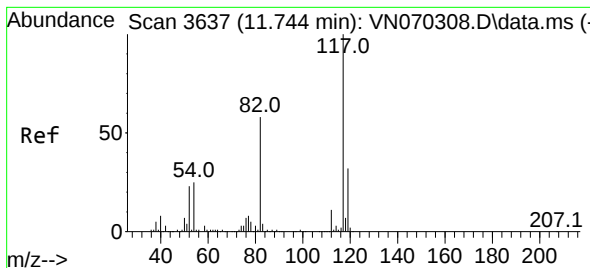
Tgt Ion: 43 Resp: 3647
Ion Ratio Lower Upper
43 100
58 20.8 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 46.906 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

Tgt Ion: 95 Resp: 662567
Ion Ratio Lower Upper
95 100
174 76.5 0.0 187.2
176 73.5 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.000 min

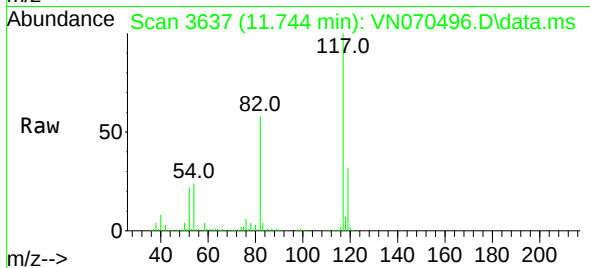
Lab File: VN070496.D

Acq: 5 Jan 2022 18:03

Instrument :

MSVOA_N

ClientSampleId :



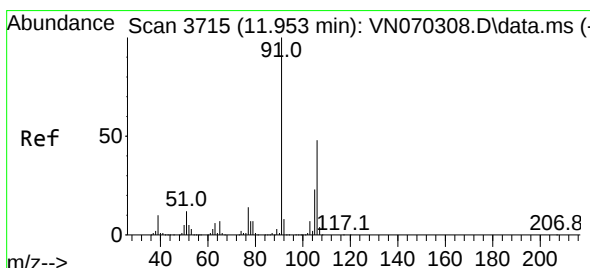
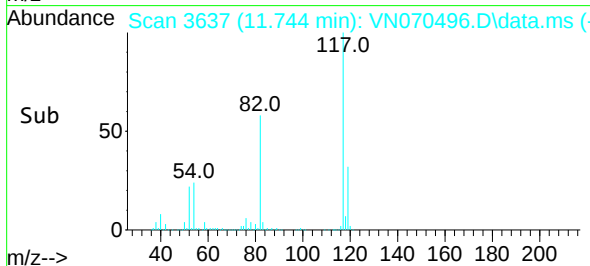
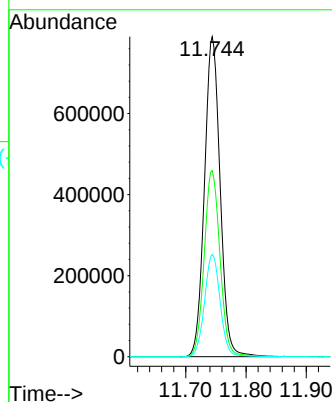
Tgt Ion:117 Resp: 1425117

Ion Ratio Lower Upper

117 100

82 58.2 42.4 63.6

119 31.9 25.4 38.2



#68

m/p-Xylenes

Concen: 0.541 ug/l

RT: 11.950 min Scan# 3714

Delta R.T. -0.003 min

Lab File: VN070496.D

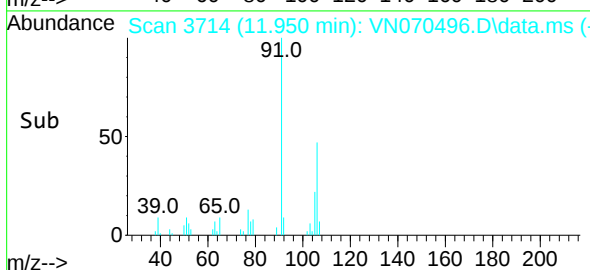
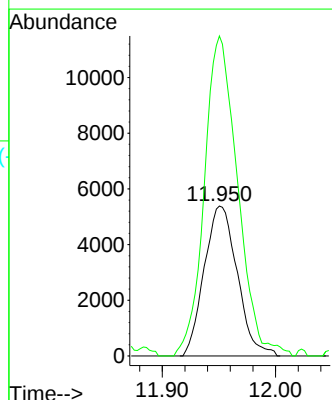
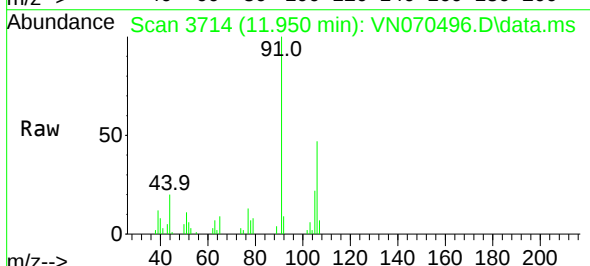
Acq: 5 Jan 2022 18:03

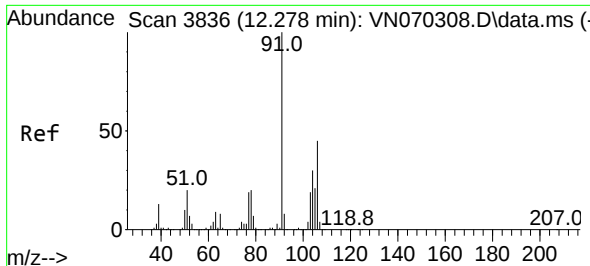
Tgt Ion:106 Resp: 10919

Ion Ratio Lower Upper

106 100

91 214.8 160.6 240.8

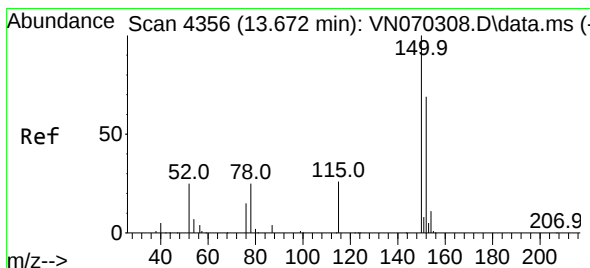
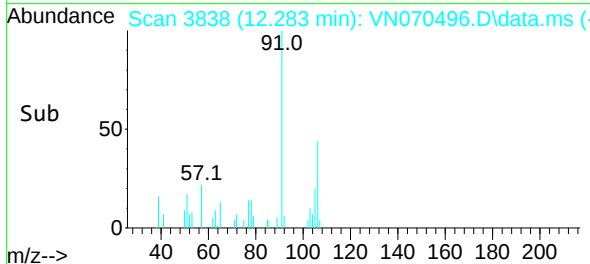
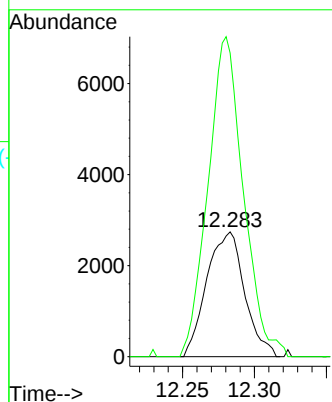
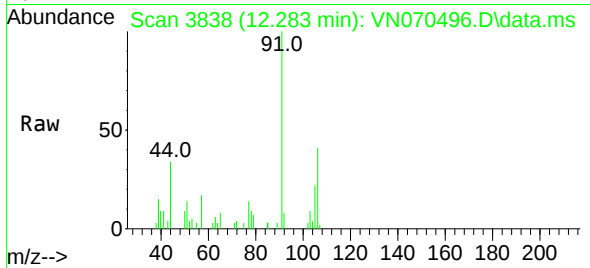




#69
o-Xylene
Concen: 0.250 ug/l
RT: 12.283 min Scan# 3836
Delta R.T. 0.005 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

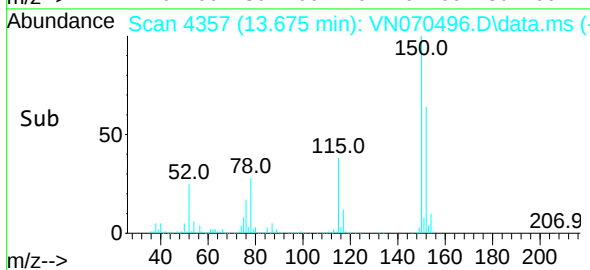
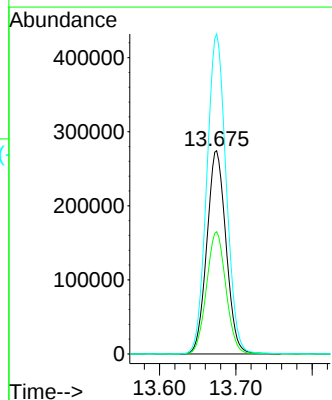
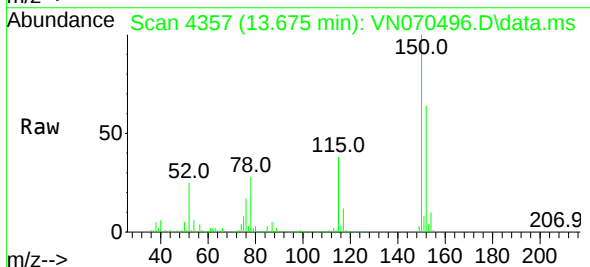
Instrument :
MSVOA_N
ClientSampleId :

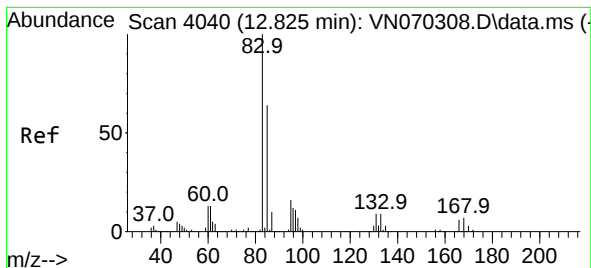
Tgt Ion:106 Resp: 5015
Ion Ratio Lower Upper
106 100
91 239.4 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

Tgt Ion:152 Resp: 479155
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 159.3 0.0 344.4





#75

1,1,2,2-Tetrachloroethane

Concen: 0.507 ug/l

RT: 12.852 min Scan# 4040

Delta R.T. 0.027 min

Lab File: VN070496.D

Acq: 5 Jan 2022 18:03

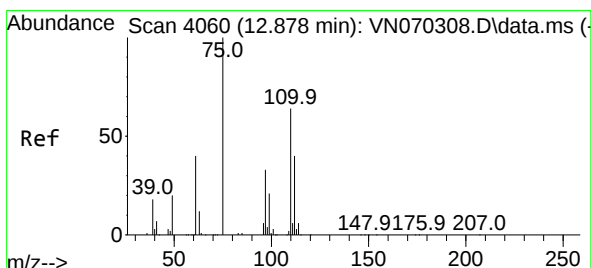
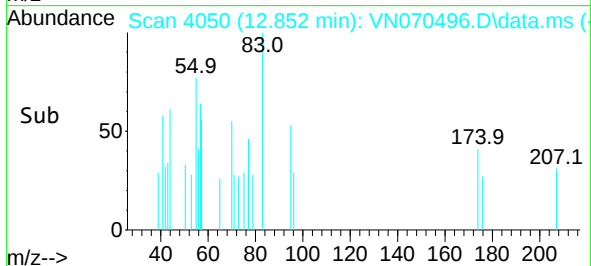
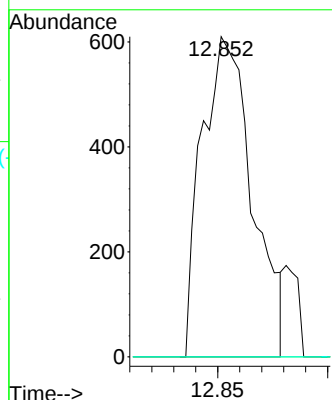
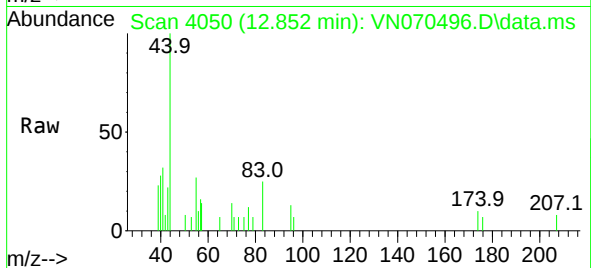
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 83 Resp: 976

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.5#
85	0.0	32.4	97.2#



#76

1,2,3-Trichloropropane

Concen: 25.477 ug/l

RT: 12.731 min Scan# 4005

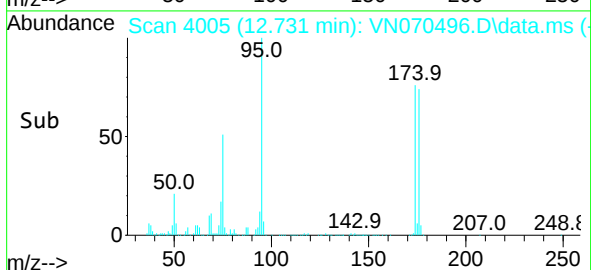
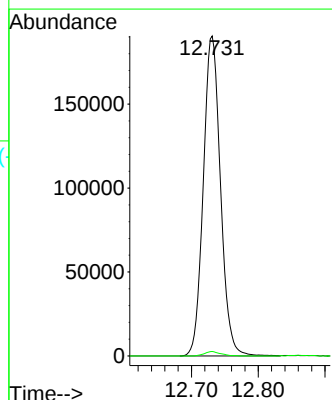
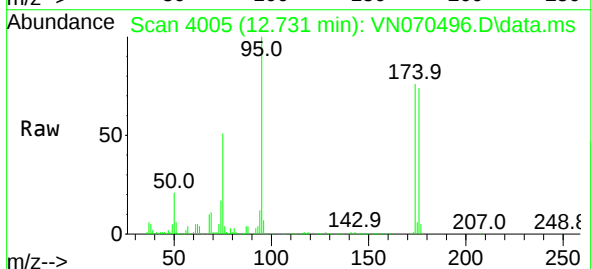
Delta R.T. -0.147 min

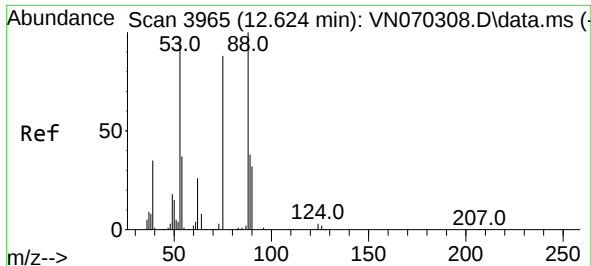
Lab File: VN070496.D

Acq: 5 Jan 2022 18:03

Tgt Ion: 75 Resp: 341283

Ion	Ratio	Lower	Upper
75	100		
77	1.3	82.6	247.8#

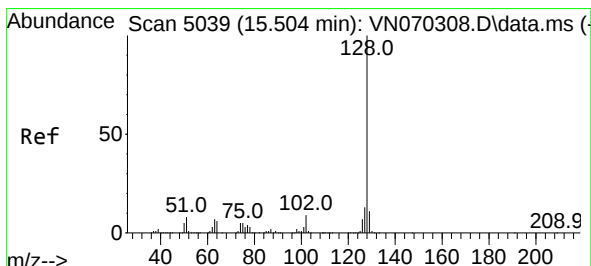
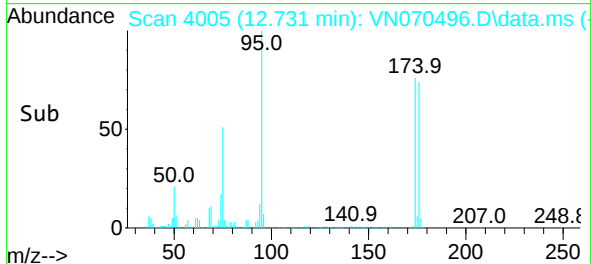
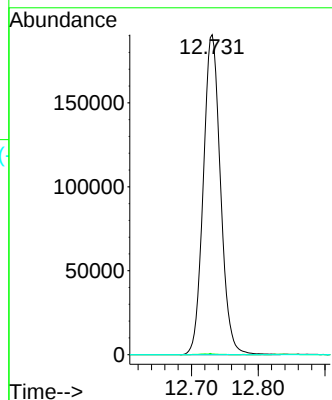
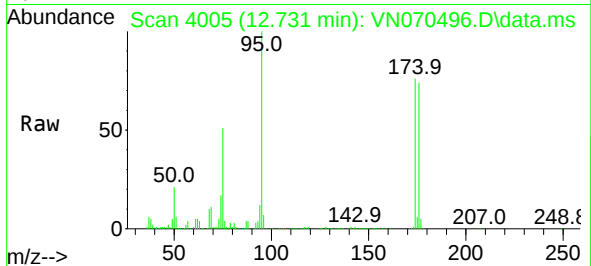




#81
trans-1,4-Dichloro-2-butene
Concen: 87.022 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

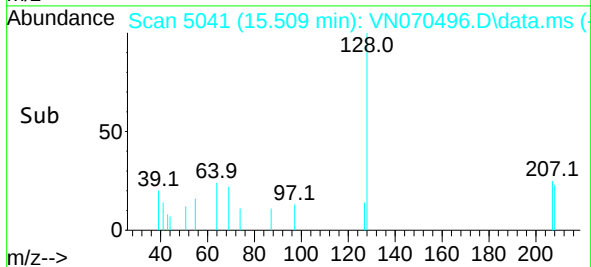
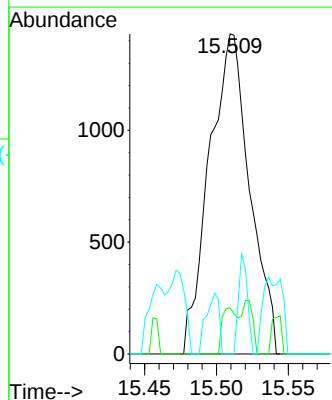
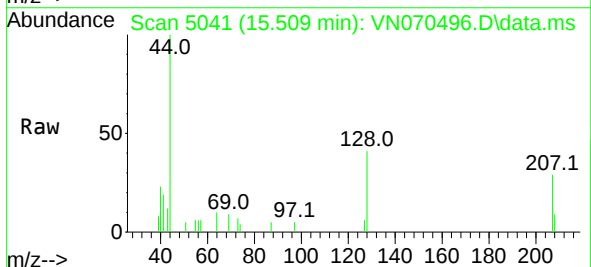
Instrument :
MSVOA_N
ClientSampleId :

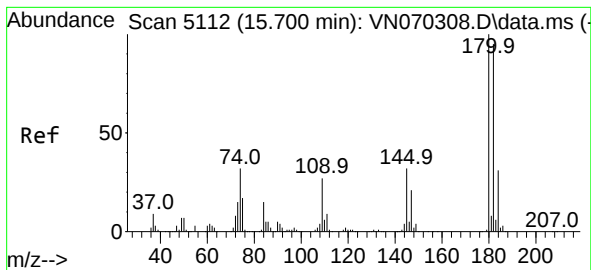
Tgt Ion: 75 Resp: 341283
Ion Ratio Lower Upper
75 100
53 0.3 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 1.920 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.005 min
Lab File: VN070496.D
Acq: 5 Jan 2022 18:03

Tgt Ion:128 Resp: 2796
Ion Ratio Lower Upper
128 100
127 5.3 10.5 15.7#
129 6.1 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.867 ug/l

RT: 15.708 min Scan# 51

Delta R.T. 0.008 min

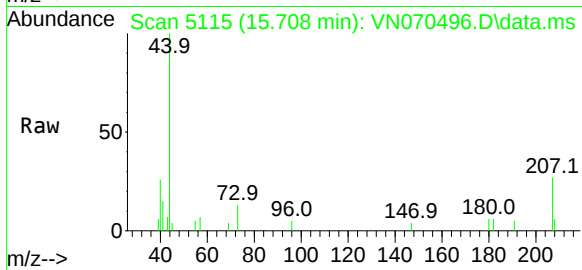
Lab File: VN070496.D

Acq: 5 Jan 2022 18:03

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 315

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.2#

145 0.0 15.0 45.1#

