

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
 Data File : VN070470.D
 Acq On : 4 Jan 2022 17:58
 Operator : JC/MD
 Sample : M5251-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 05 03:19:34 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)

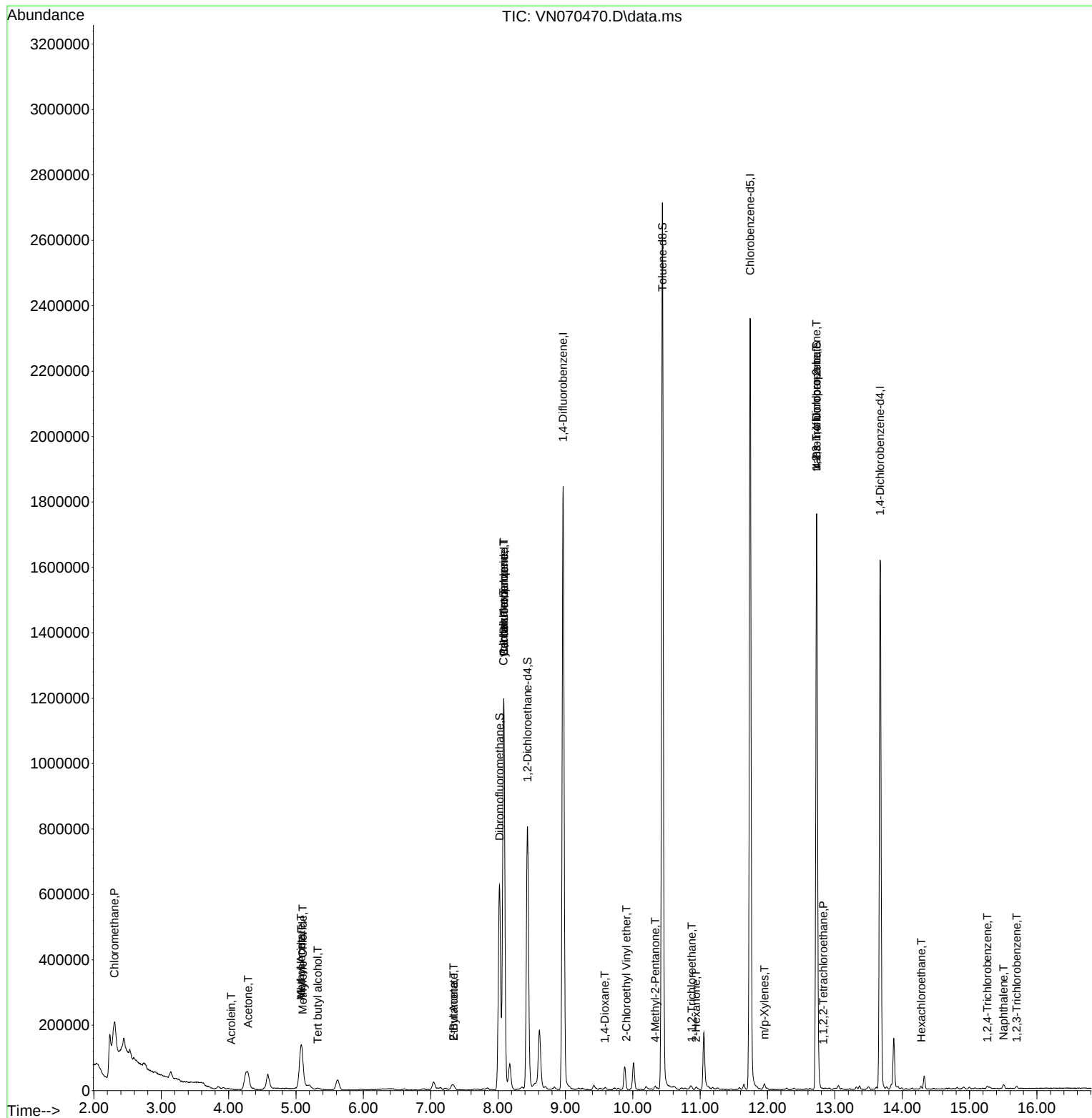
Internal Standards						
1) Pentafluorobenzene	8.086	168	921237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1588148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1368195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	453089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	684321	51.664	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.320%			
35) Dibromofluoromethane	8.021	113	470426	48.956	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.920%			
50) Toluene-d8	10.440	98	1890105	48.150	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.300%			
62) 4-Bromofluorobenzene	12.731	95	659564	46.521	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.040%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	8716	0.613	ug/l #	72
11) Tert butyl alcohol	5.323	59	4877	2.211	ug/l #	71
13) Acrolein	4.039	56	686	0.383	ug/l #	53
14) Allyl chloride	5.079	41	63368	2.979	ug/l #	54
16) Acetone	4.288	43	98612	11.469	ug/l	93
18) Methyl Acetate	5.077	43	152129	6.116	ug/l #	51
20) Methylene Chloride	5.101	84	8523	0.716	ug/l #	90
25) 2-Butanone	7.340	43	15260	1.409	ug/l #	86
31) Cyclohexane	8.080	56	25207	1.206	ug/l #	30
36) 1,1-Dichloropropene	8.083	75	74186	4.667	ug/l #	48
37) Ethyl Acetate	7.340	43	15260	0.741	ug/l #	72
38) Carbon Tetrachloride	8.086	117	89329	5.885	ug/l #	17
49) 1,4-Dioxane	9.585	88	101	0.445	ug/l #	67
51) 4-Methyl-2-Pentanone	10.333	43	6563	0.322	ug/l #	69
55) 1,1,2-Trichloroethane	10.875	97	2476	0.212	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.907	63	49	18.522	ug/l #	45
59) 2-Hexanone	10.939	43	5357	0.360	ug/l	77
68) m/p-Xylenes	11.956	106	5312	0.274	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.827	83	694	0.492	ug/l #	69
76) 1,2,3-Trichloropropane	12.728	75	341654	26.812	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	341654	92.128	ug/l #	5
90) Hexachloroethane	14.281	117	3738	0.680	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.263	180	2376	0.318	ug/l	98
95) Naphthalene	15.504	128	12747	2.392	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.700	180	2606	1.185	ug/l	84

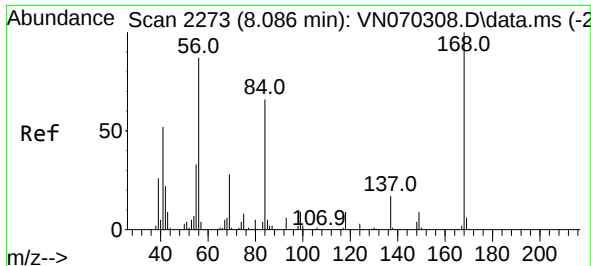
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
Data File : VN070470.D
Acq On : 4 Jan 2022 17:58
Operator : JC/MD
Sample : M5251-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

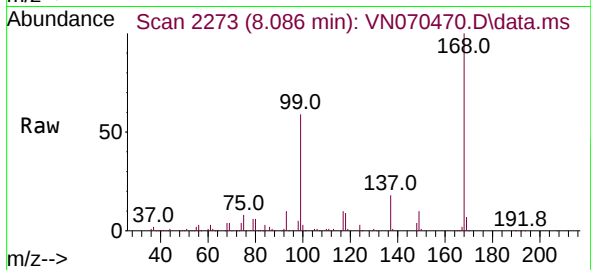
Quant Time: Jan 05 03:19:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration



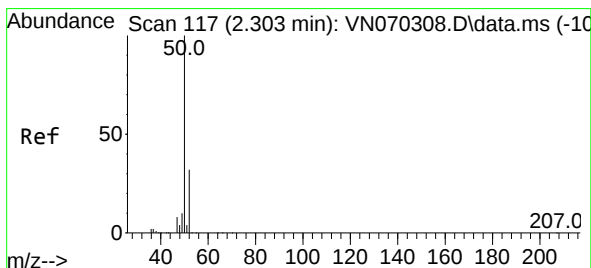
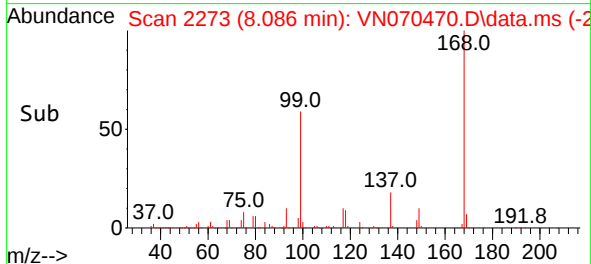
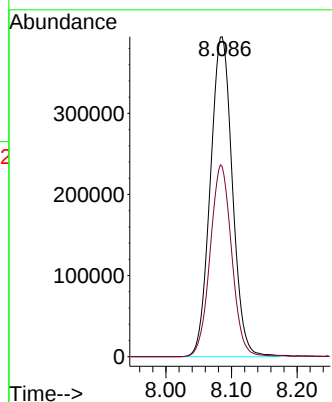


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

Instrument :
MSVOA_N
ClientSampleId :

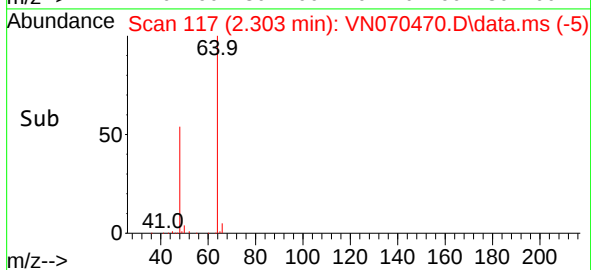
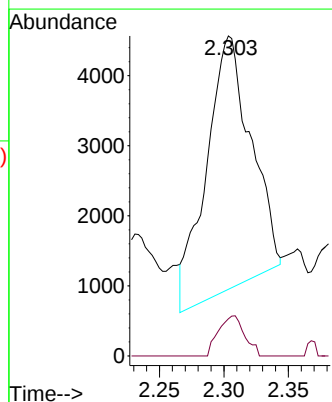
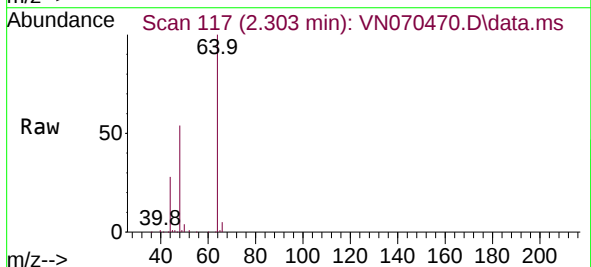


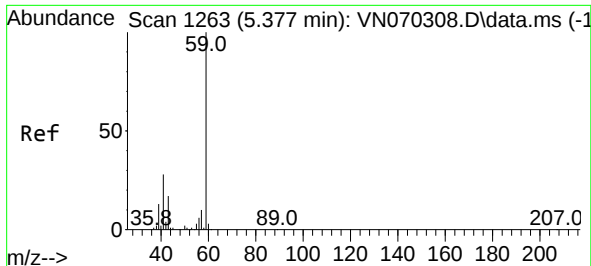
Tgt Ion:168 Resp: 921237
Ion Ratio Lower Upper
168 100
99 59.5 41.3 61.9



#3
Chloromethane
Concen: 0.613 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

Tgt Ion: 50 Resp: 8716
Ion Ratio Lower Upper
50 100
52 16.2 25.4 38.0#

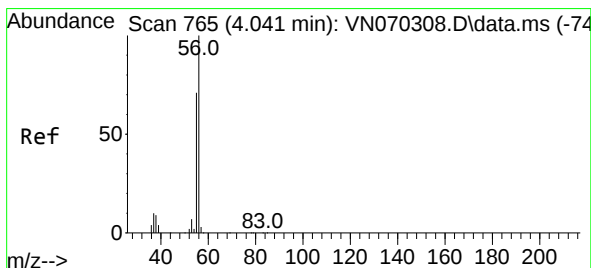
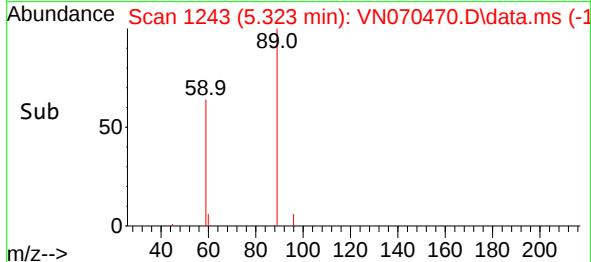
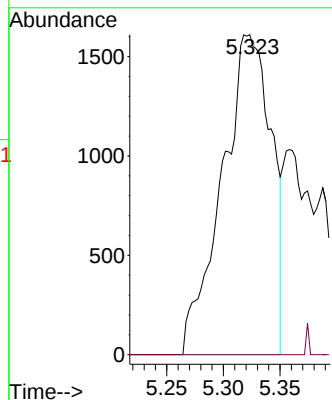
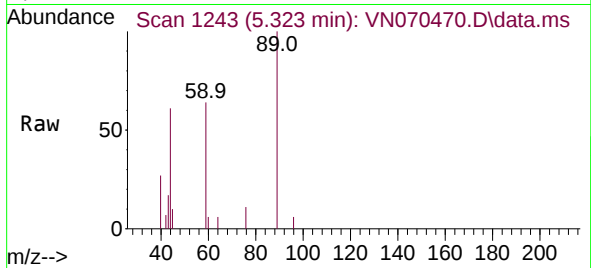




#11
Tert butyl alcohol
Concen: 2.211 ug/l
RT: 5.323 min Scan# 11
Delta R.T. -0.054 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

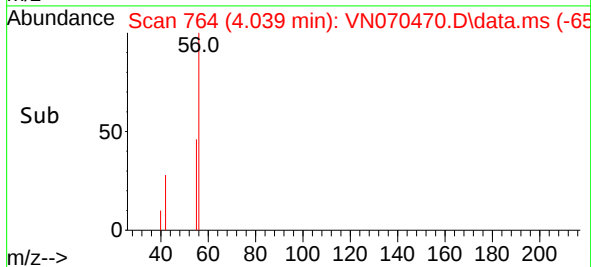
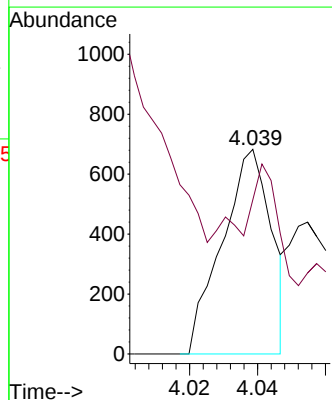
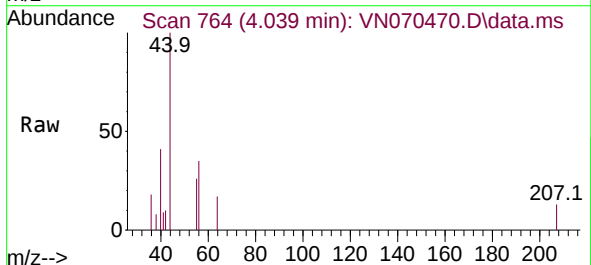
Instrument :
MSVOA_N
ClientSampleId :

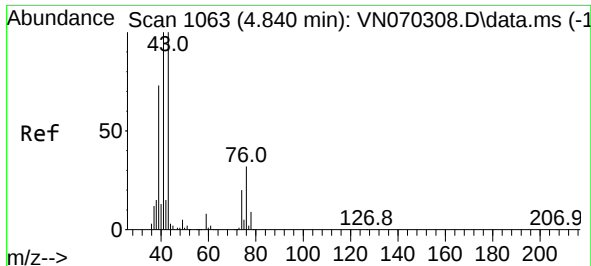
Tgt Ion: 59 Resp: 4877
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.383 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.002 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

Tgt Ion: 56 Resp: 686
Ion Ratio Lower Upper
56 100
55 31.8 56.6 85.0#





#14

Allyl chloride

Concen: 2.979 ug/l

RT: 5.079 min Scan# 1152

Delta R.T. 0.239 min

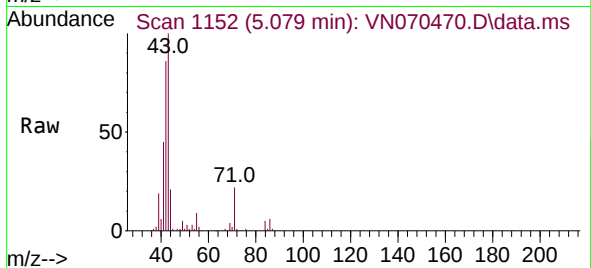
Lab File: VN070470.D

Acq: 4 Jan 2022 17:58

Instrument :

MSVOA_N

ClientSampleId :



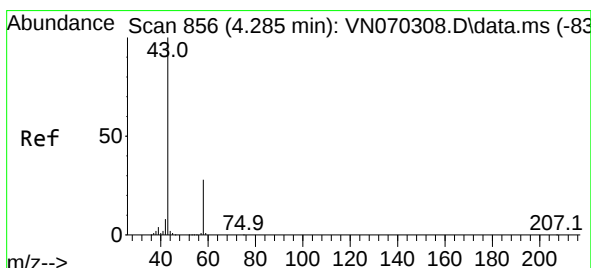
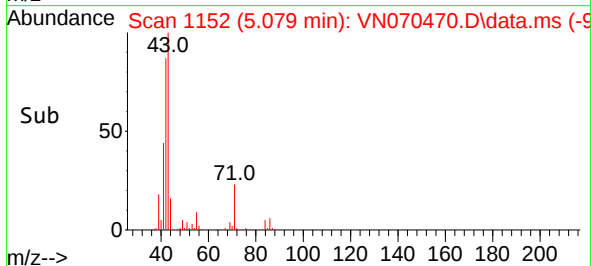
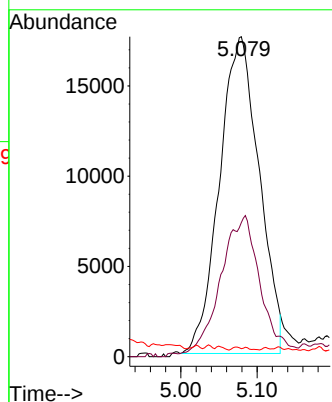
Tgt Ion: 41 Resp: 63368

Ion Ratio Lower Upper

41 100

39 41.7 61.2 91.8#

76 0.1 26.0 39.0#



#16

Acetone

Concen: 11.469 ug/l

RT: 4.288 min Scan# 857

Delta R.T. 0.003 min

Lab File: VN070470.D

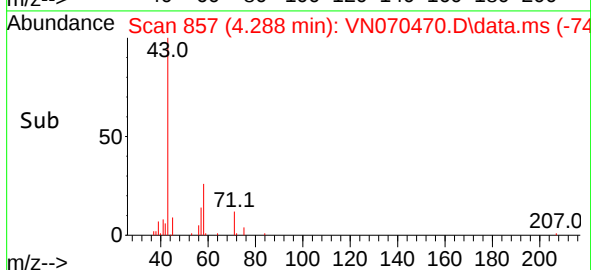
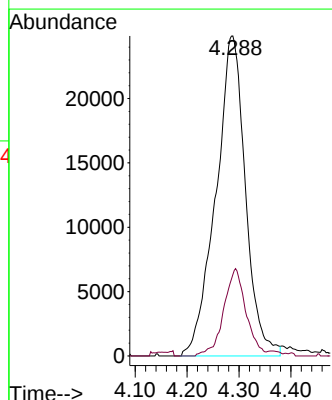
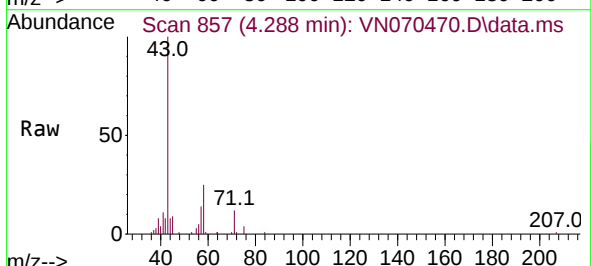
Acq: 4 Jan 2022 17:58

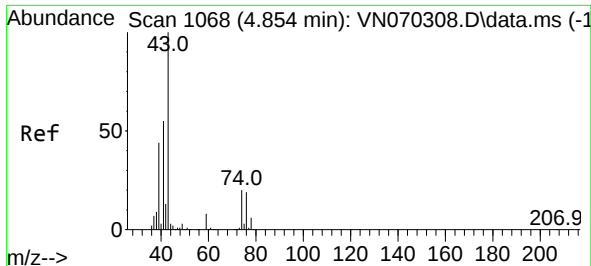
Tgt Ion: 43 Resp: 98612

Ion Ratio Lower Upper

43 100

58 25.4 23.1 34.7

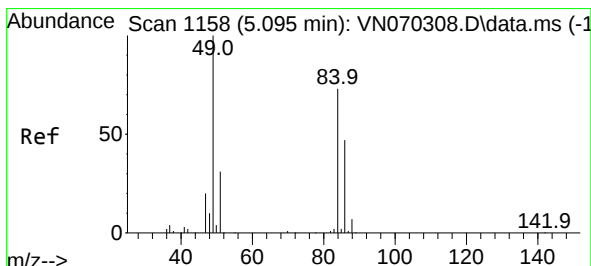
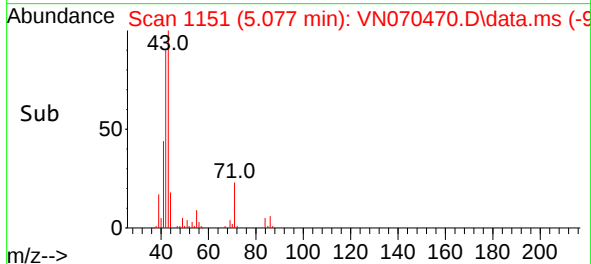
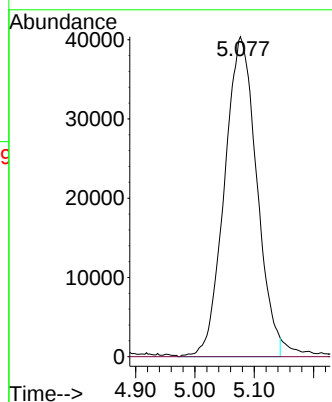
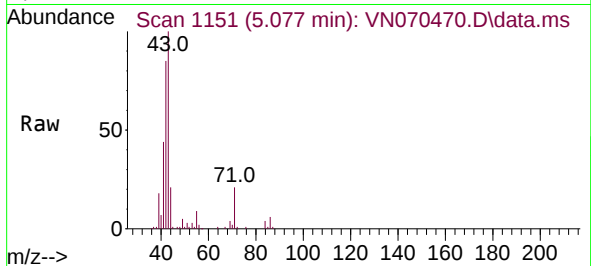




#18
Methyl Acetate
Concen: 6.116 ug/l
RT: 5.077 min Scan# 1151
Delta R.T. 0.223 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

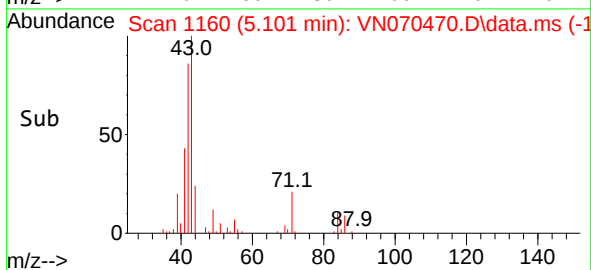
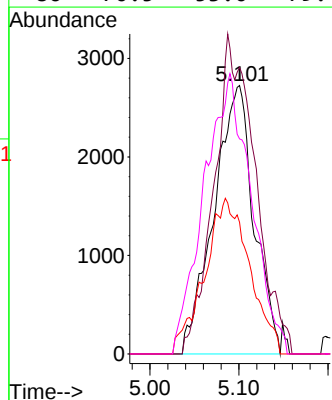
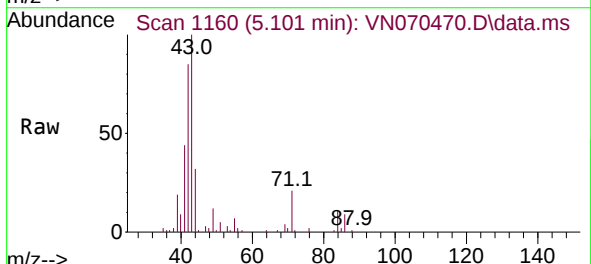
Instrument :
MSVOA_N
ClientSampleId :

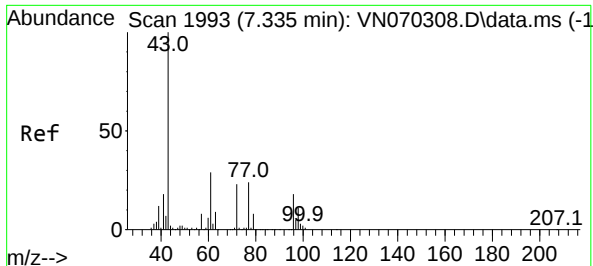
Tgt Ion: 43 Resp: 152129
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 0.716 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

Tgt Ion: 84 Resp: 8523
Ion Ratio Lower Upper
84 100
49 106.8 93.5 140.3
51 49.0 29.4 44.2#
86 70.5 53.0 79.4





#25

2-Butanone

Concen: 1.409 ug/l

RT: 7.340 min Scan# 1993

Delta R.T. 0.005 min

Lab File: VN070470.D

Acq: 4 Jan 2022 17:58

Instrument :

MSVOA_N

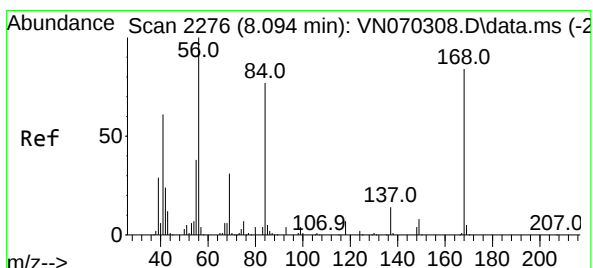
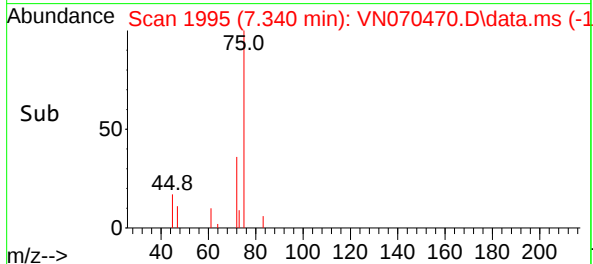
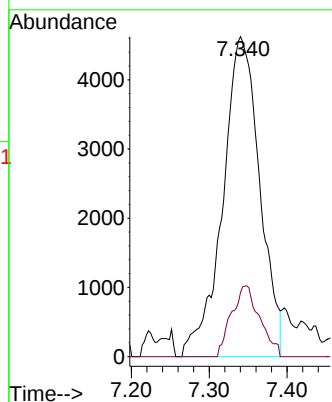
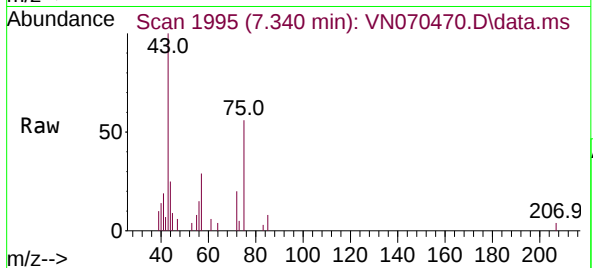
ClientSampleId :

Tgt Ion: 43 Resp: 15260

Ion Ratio Lower Upper

43 100

72 20.0 21.7 32.5#



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.014 min

Lab File: VN070470.D

Acq: 4 Jan 2022 17:58

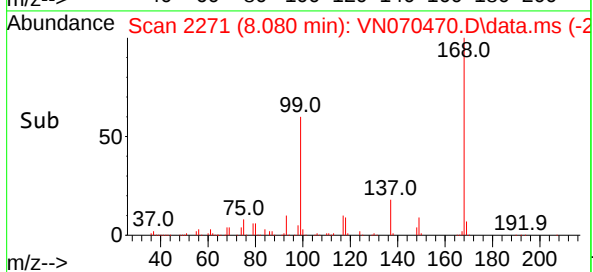
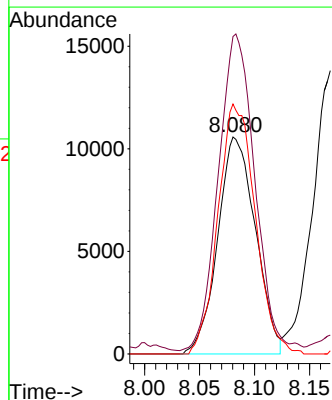
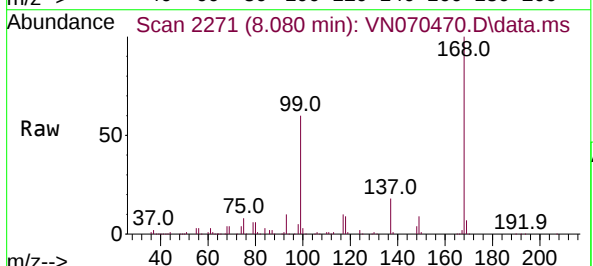
Tgt Ion: 56 Resp: 25207

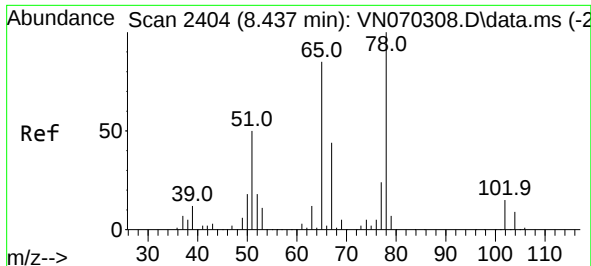
Ion Ratio Lower Upper

56 100

69 144.8 27.1 40.7#

84 115.2 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 51.664 ug/l

RT: 8.437 min Scan# 24

Delta R.T. 0.000 min

Lab File: VN070470.D

Acq: 4 Jan 2022 17:58

Instrument :

MSVOA_N

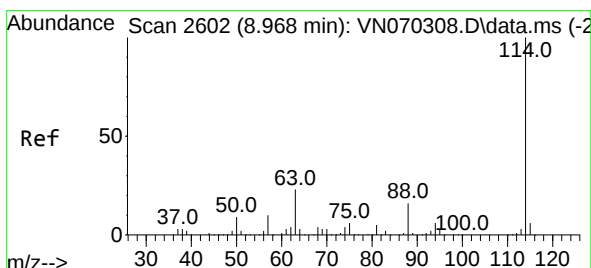
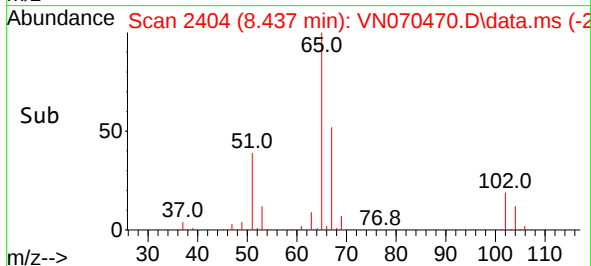
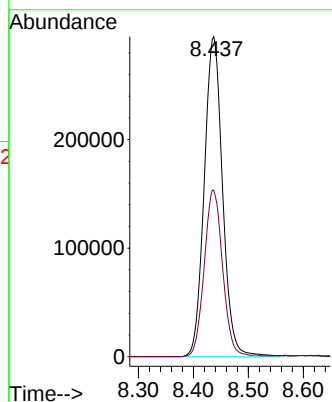
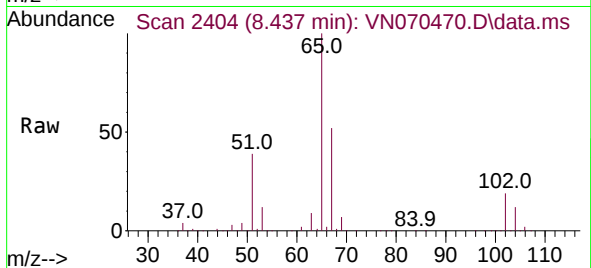
ClientSampleId :

Tgt Ion: 65 Resp: 684321

Ion Ratio Lower Upper

65 100

67 52.1 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: VN070470.D

Acq: 4 Jan 2022 17:58

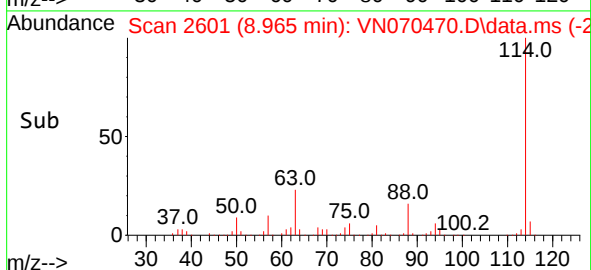
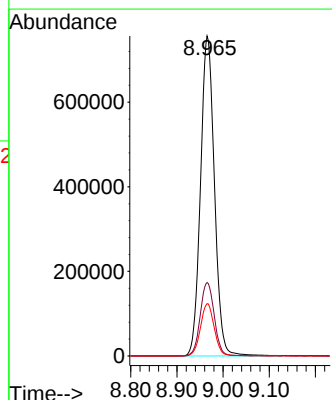
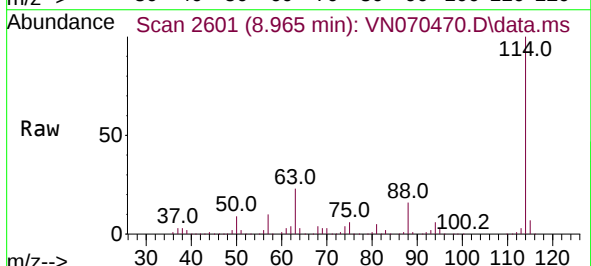
Tgt Ion: 114 Resp: 1588148

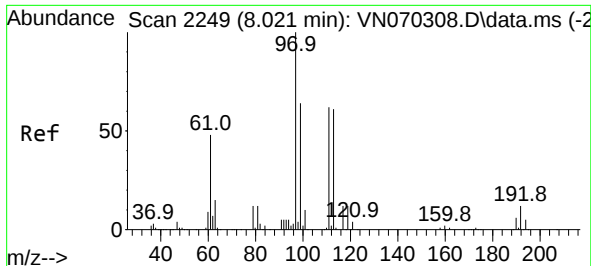
Ion Ratio Lower Upper

114 100

63 22.9 0.0 37.8

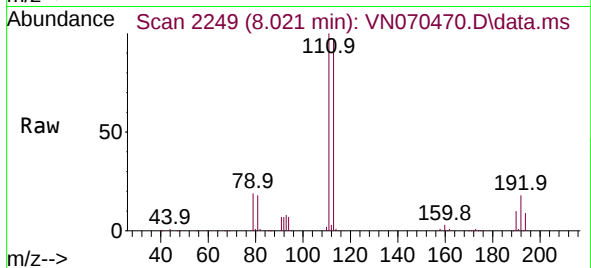
88 16.4 0.0 27.4



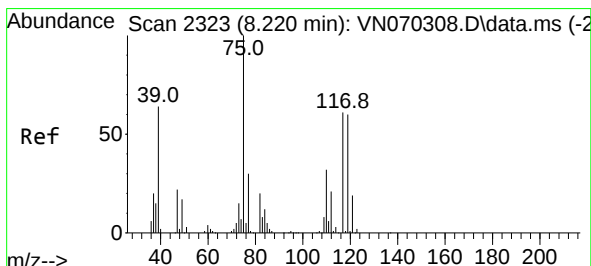
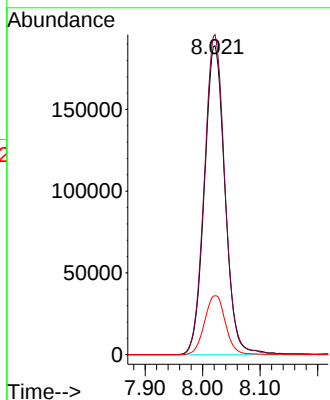
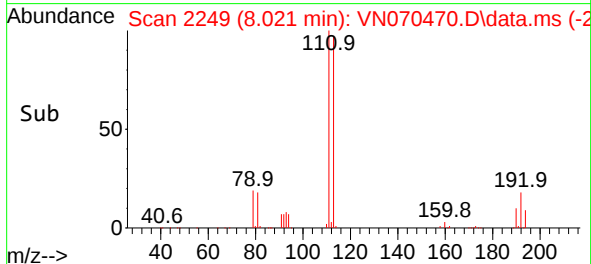


#35
 Dibromofluoromethane
 Concen: 48.956 ug/l
 RT: 8.021 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN070470.D
 Acq: 4 Jan 2022 17:58

Instrument :
 MSVOA_N
 ClientSampleId :

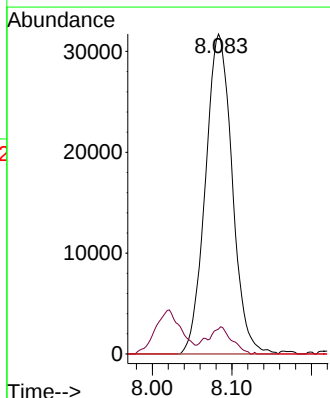
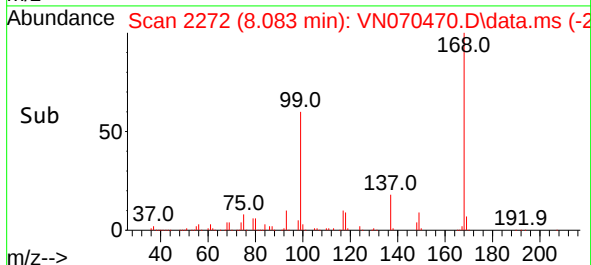
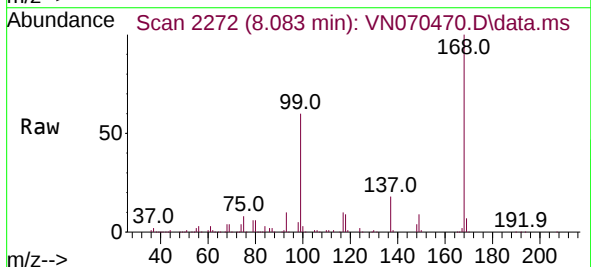


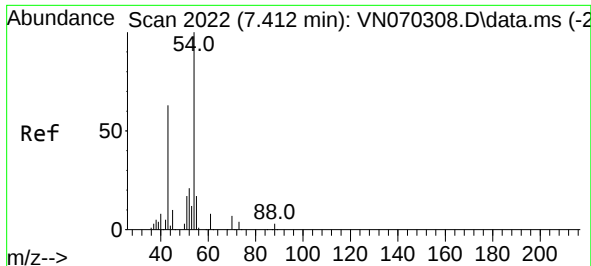
Tgt Ion:113 Resp: 470426
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.2
 192 19.4 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.667 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.137 min
 Lab File: VN070470.D
 Acq: 4 Jan 2022 17:58

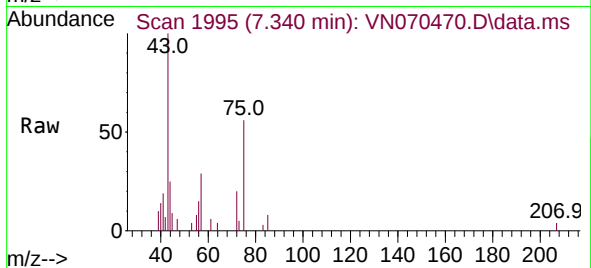
Tgt Ion: 75 Resp: 74186
 Ion Ratio Lower Upper
 75 100
 110 7.6 18.4 55.2#
 77 0.0 24.4 36.6#



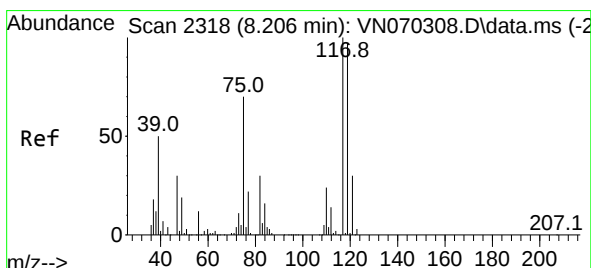
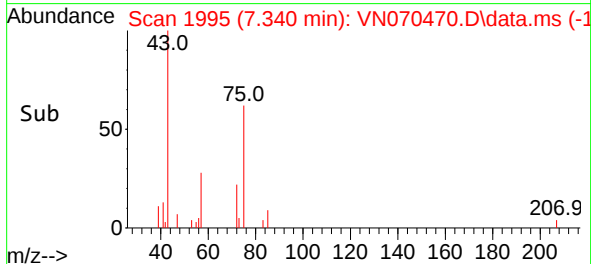
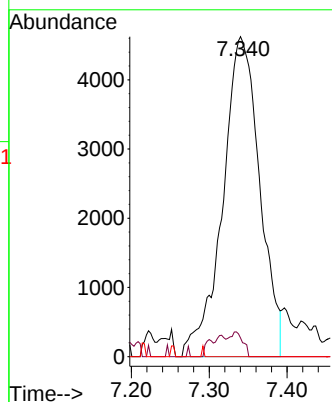


#37
Ethyl Acetate
Concen: 0.741 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.072 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

Instrument :
MSVOA_N
ClientSampleId :

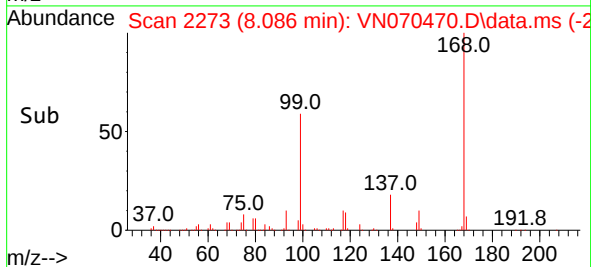
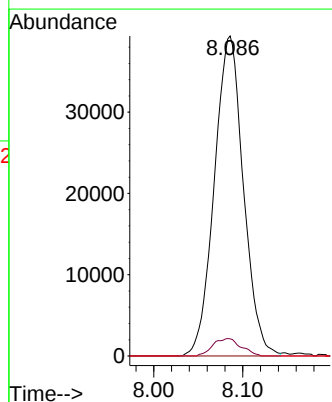
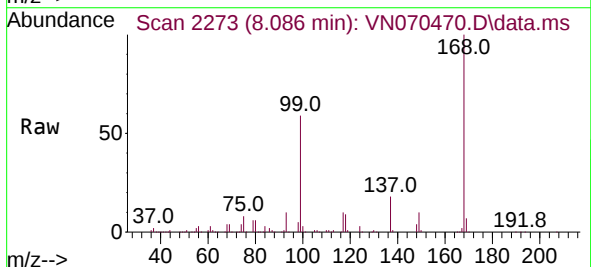


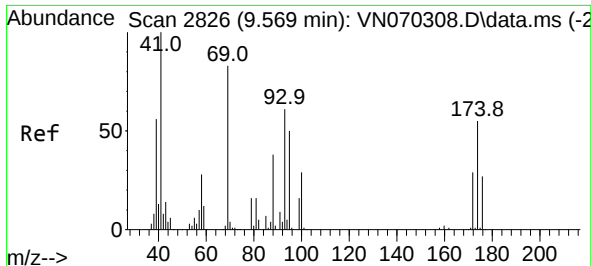
Tgt Ion: 43 Resp: 15260
Ion Ratio Lower Upper
43 100
61 2.3 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.885 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

Tgt Ion: 117 Resp: 89329
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 0.445 ug/l

RT: 9.585 min Scan# 21

Delta R.T. 0.016 min

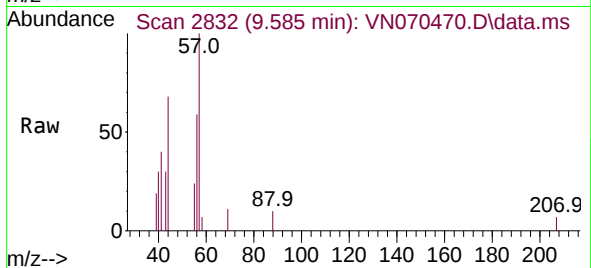
Lab File: VN070470.D

Acq: 4 Jan 2022 17:58

Instrument :

MSVOA_N

ClientSampleId :



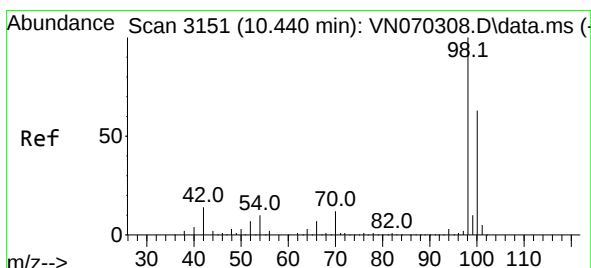
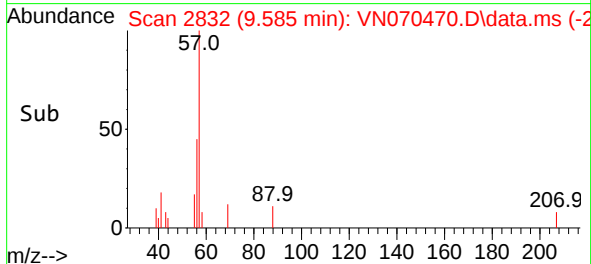
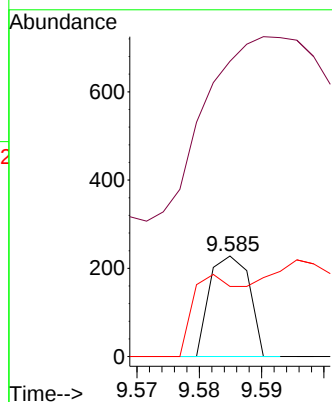
Tgt Ion: 88 Resp: 101

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 81.2 50.6 75.8#



#50

Toluene-d8

Concen: 48.150 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN070470.D

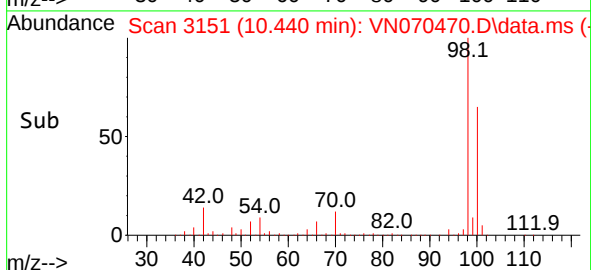
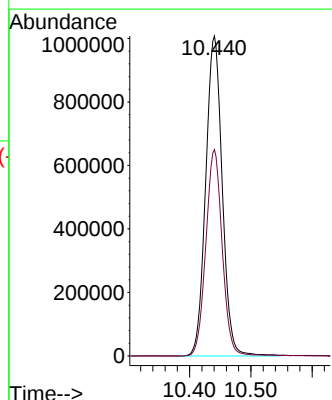
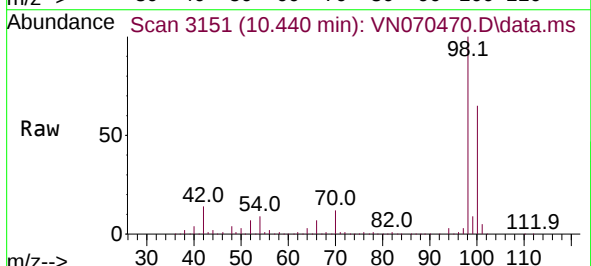
Acq: 4 Jan 2022 17:58

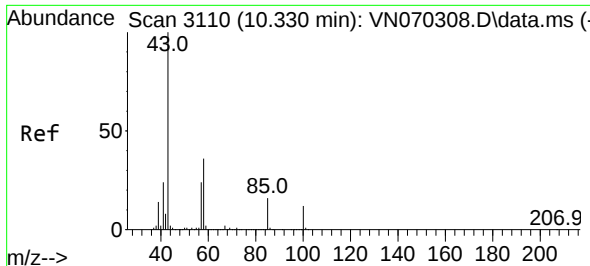
Tgt Ion: 98 Resp: 1890105

Ion Ratio Lower Upper

98 100

100 63.9 50.4 75.6

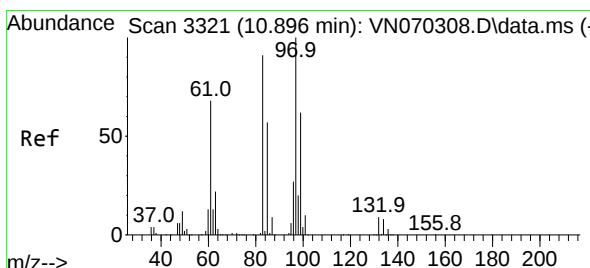
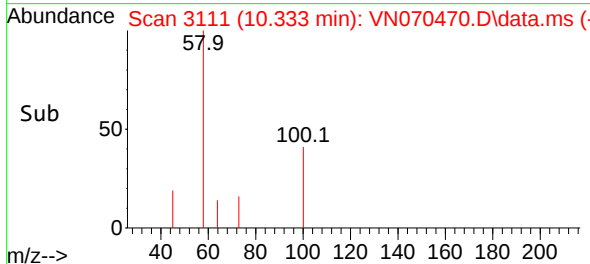
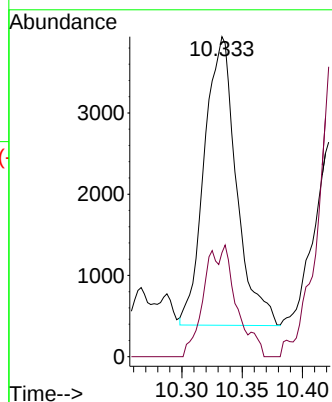
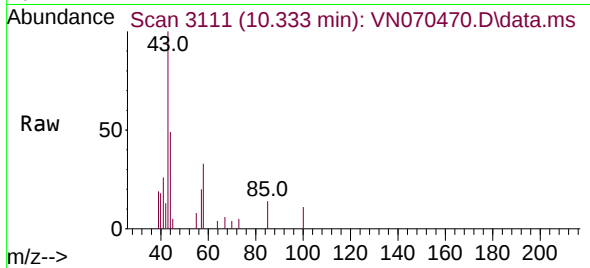




#51
4-Methyl-2-Pentanone
Concen: 0.322 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

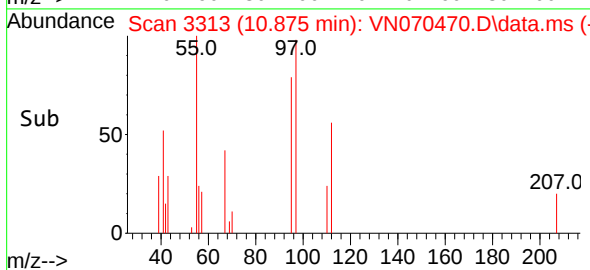
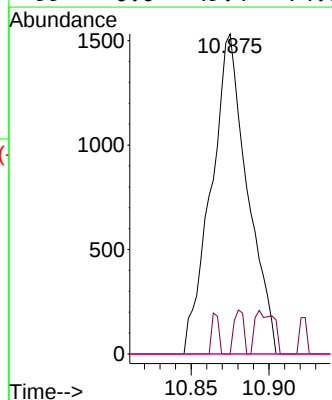
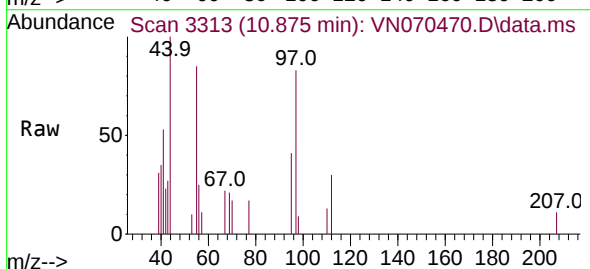
Instrument :
MSVOA_N
ClientSampleId :

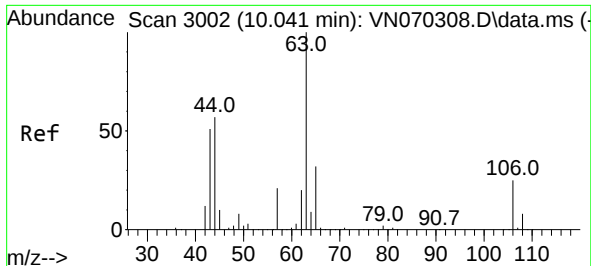
Tgt Ion: 43 Resp: 6563
Ion Ratio Lower Upper
43 100
58 19.3 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.212 ug/l
RT: 10.875 min Scan# 3313
Delta R.T. -0.021 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

Tgt Ion: 97 Resp: 2476
Ion Ratio Lower Upper
97 100
83 0.0 67.8 101.6#
85 0.0 45.4 68.2#
99 0.0 49.4 74.0#

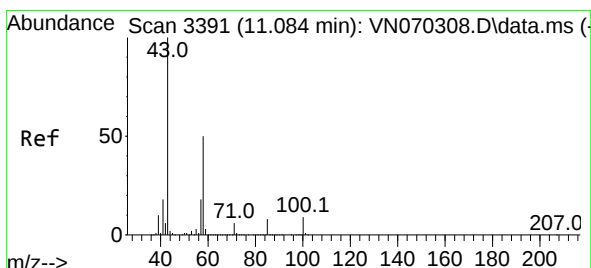
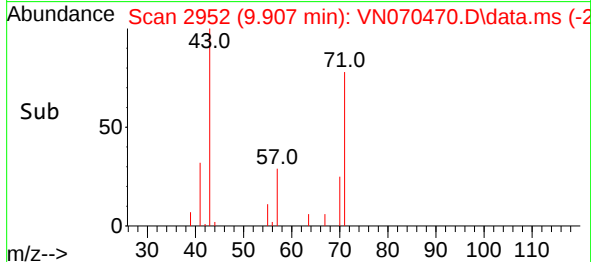
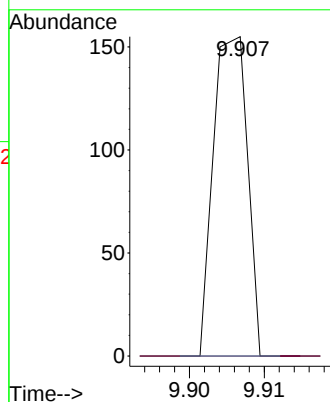
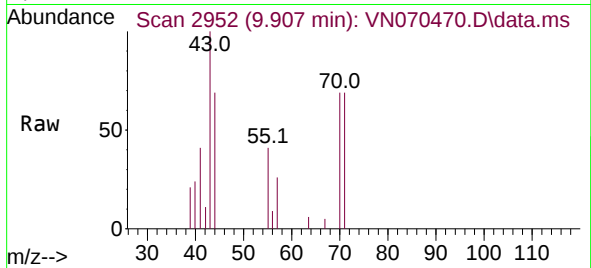




#58
2-Chloroethyl Vinyl ether
Concen: 18.522 ug/l
RT: 9.907 min Scan# 2952
Delta R.T. -0.134 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

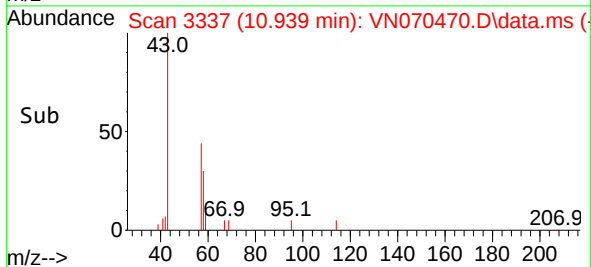
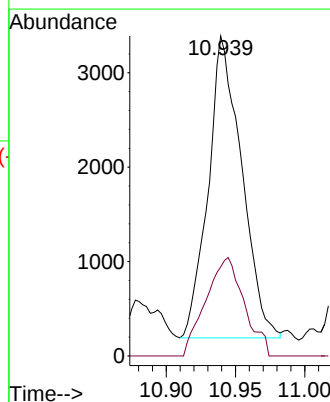
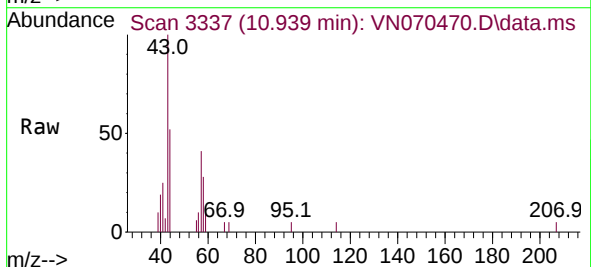
Instrument :
MSVOA_N
ClientSampleId :

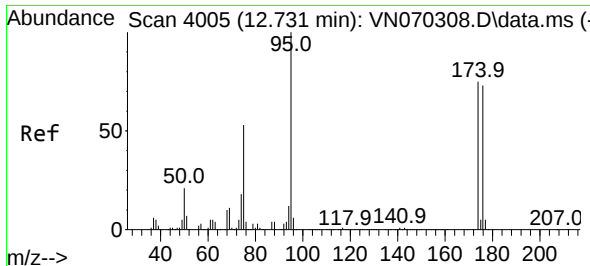
Tgt Ion: 63 Resp: 49
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.360 ug/l
RT: 10.939 min Scan# 3337
Delta R.T. -0.145 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

Tgt Ion: 43 Resp: 5357
Ion Ratio Lower Upper
43 100
58 37.3 26.9 80.7

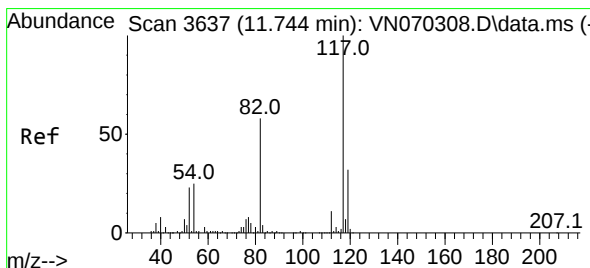
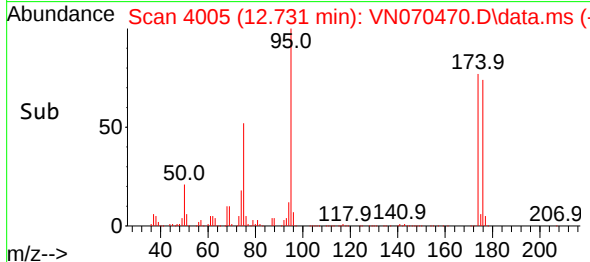
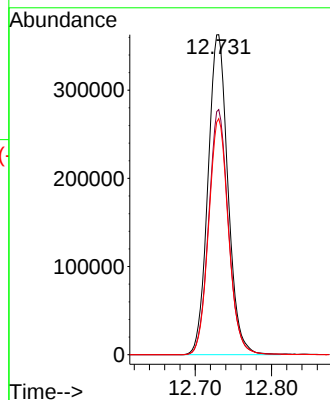
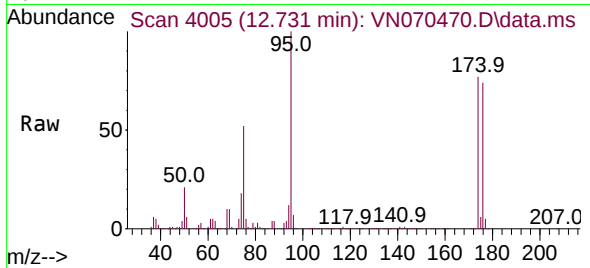




#62
4-Bromofluorobenzene
Concen: 46.521 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

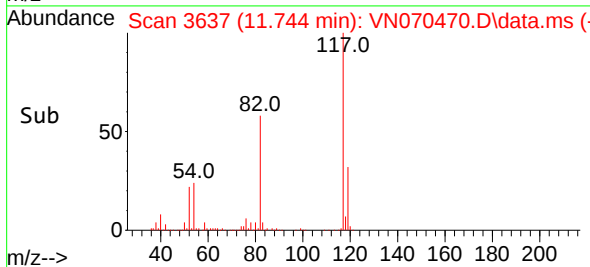
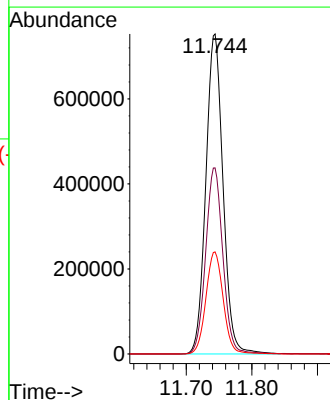
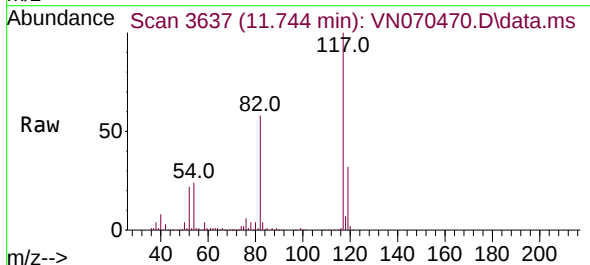
Instrument :
MSVOA_N
ClientSampleId :

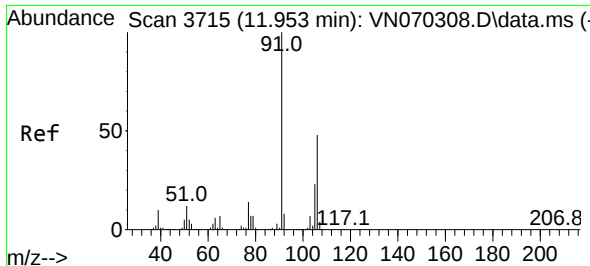
Tgt Ion: 95 Resp: 659564
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

Tgt Ion: 117 Resp: 1368195
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 31.9 25.4 38.2

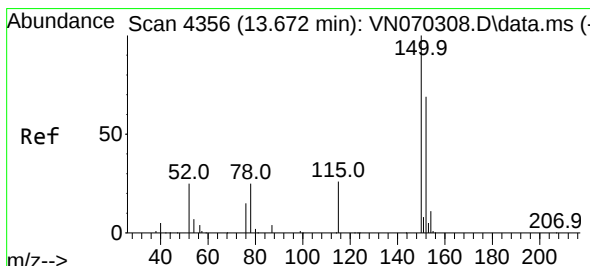
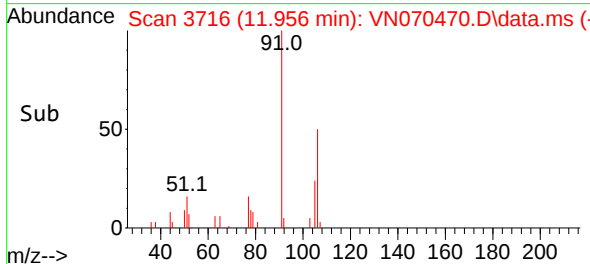
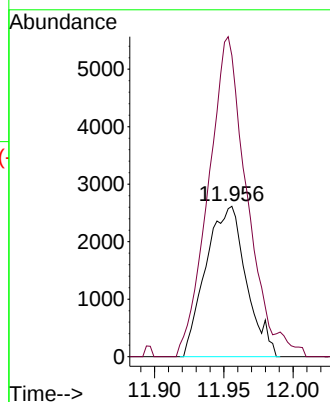
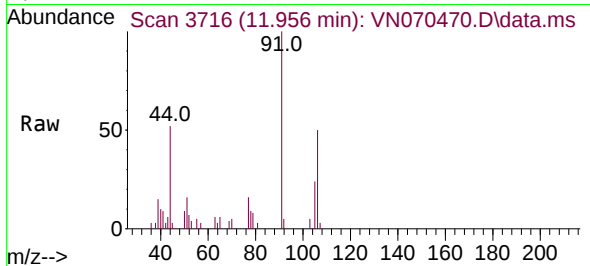




#68
m/p-Xylenes
Concen: 0.274 ug/l
RT: 11.956 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

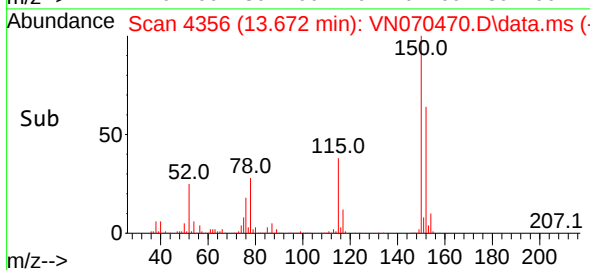
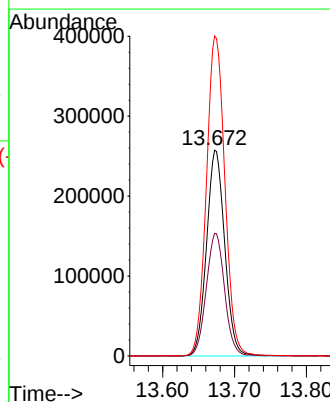
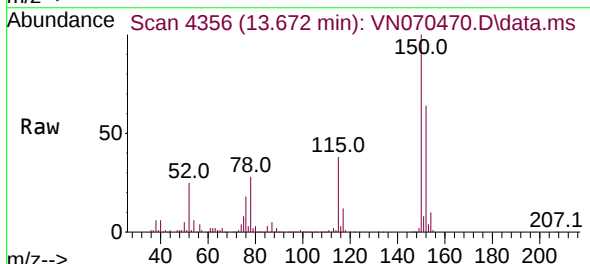
Instrument :
MSVOA_N
ClientSampleId :

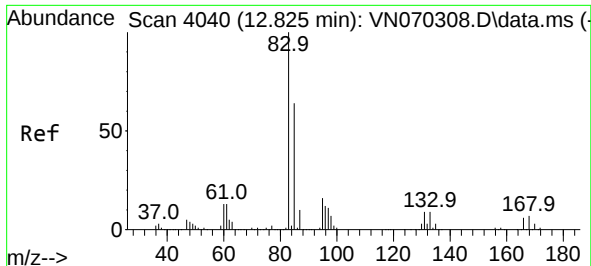
Tgt Ion:106 Resp: 5312
Ion Ratio Lower Upper
106 100
91 203.8 160.6 240.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

Tgt Ion:152 Resp: 453089
Ion Ratio Lower Upper
152 100
115 60.1 27.5 82.5
150 157.6 0.0 344.4

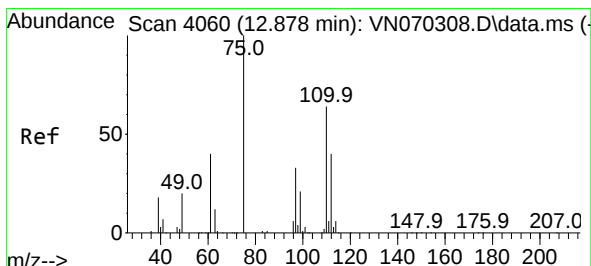
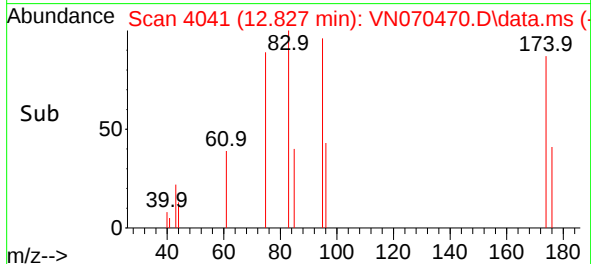
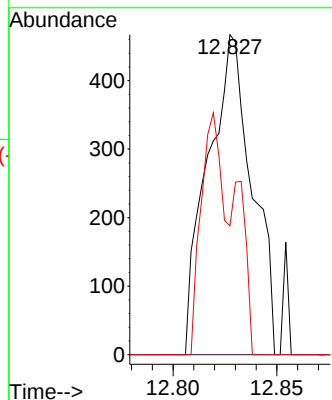
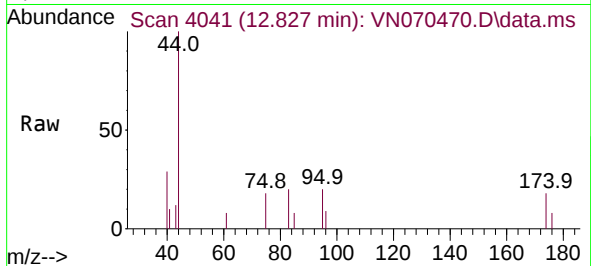




#75
1,1,2,2-Tetrachloroethane
Concen: 0.492 ug/l
RT: 12.827 min Scan# 4040
Delta R.T. 0.002 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

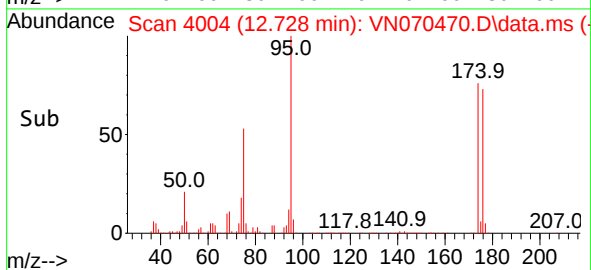
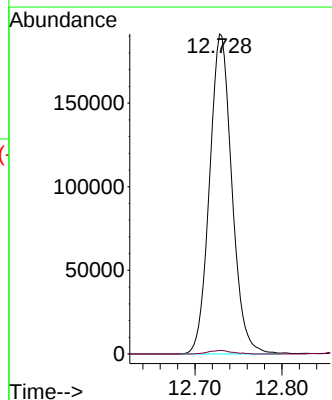
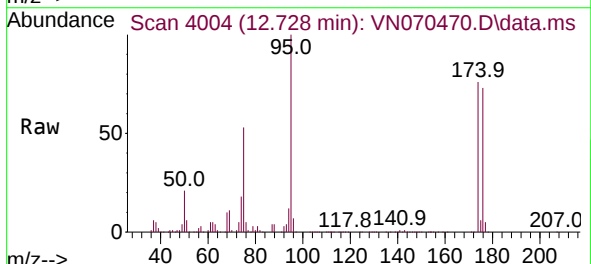
Instrument :
MSVOA_N
ClientSampleId :

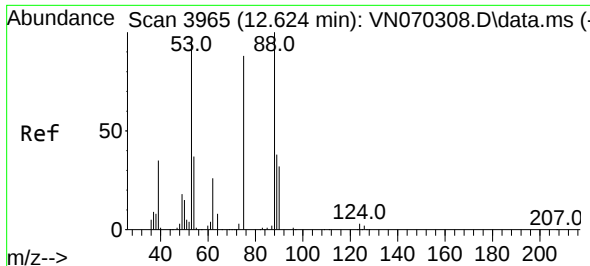
Tgt Ion: 83 Resp: 694
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 40.3 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 26.812 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

Tgt Ion: 75 Resp: 341654
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

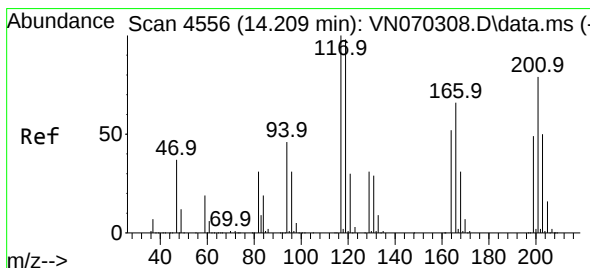
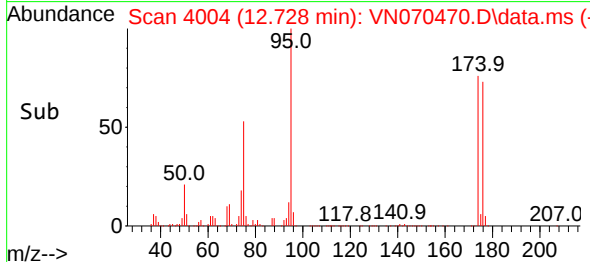
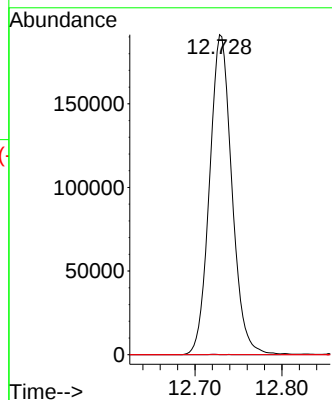
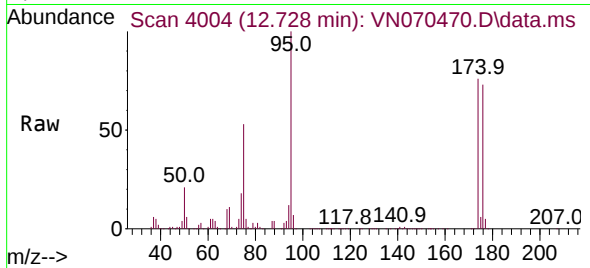




#81
trans-1,4-Dichloro-2-butene
Concen: 92.128 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

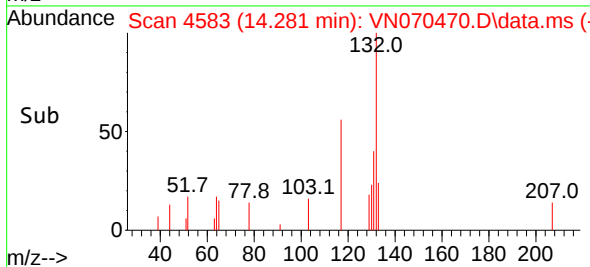
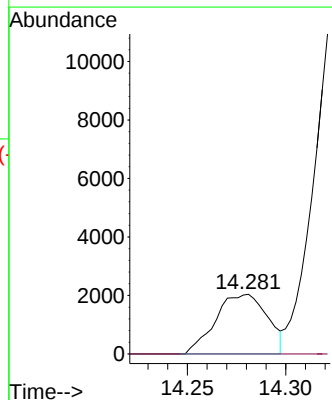
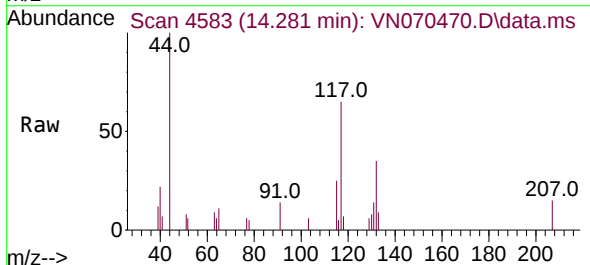
Instrument :
MSVOA_N
ClientSampleId :

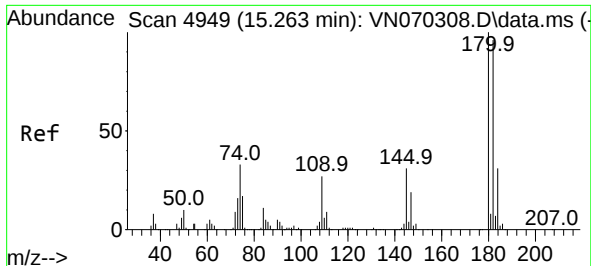
Tgt Ion: 75 Resp: 341654
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 0.680 ug/l
RT: 14.281 min Scan# 4583
Delta R.T. 0.072 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

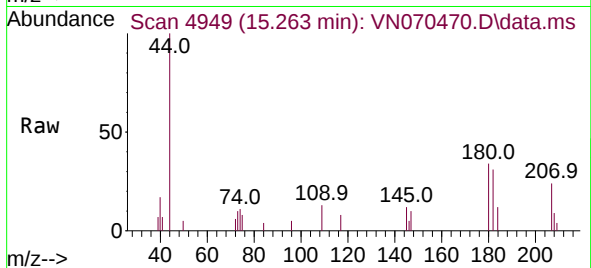
Tgt Ion: 117 Resp: 3738
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#



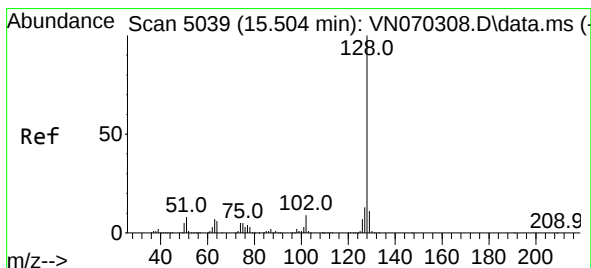
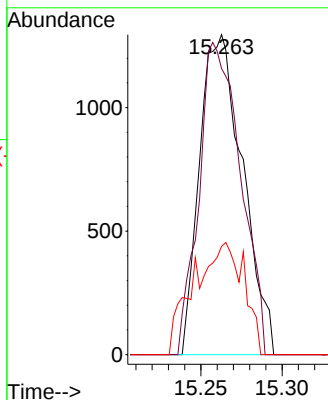
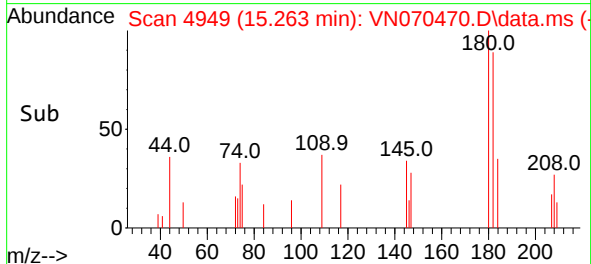


#93
1,2,4-Trichlorobenzene
Concen: 0.318 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.000 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58

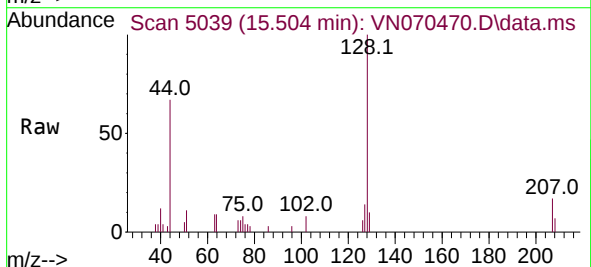
Instrument :
MSVOA_N
ClientSampleId :



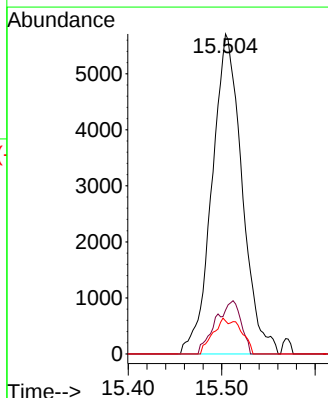
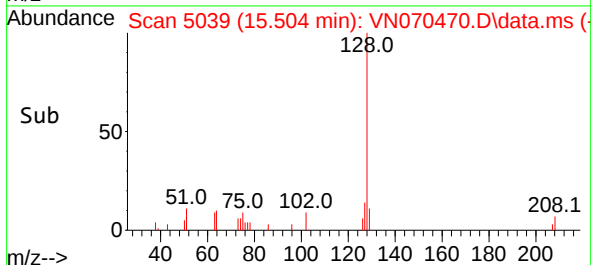
Tgt Ion:180 Resp: 2376
Ion Ratio Lower Upper
180 100
182 94.8 48.3 144.9
145 27.4 14.5 43.5

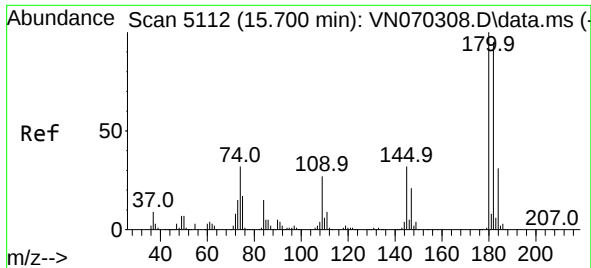


#95
Naphthalene
Concen: 2.392 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070470.D
Acq: 4 Jan 2022 17:58



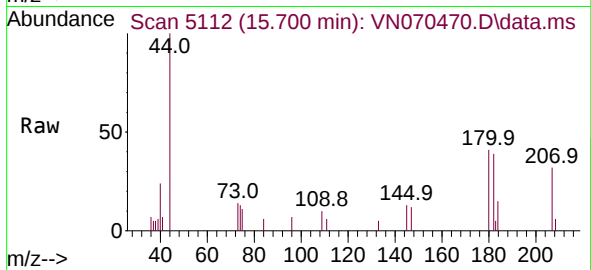
Tgt Ion:128 Resp: 12747
Ion Ratio Lower Upper
128 100
127 14.2 10.5 15.7
129 5.6 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.185 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070470.D
 Acq: 4 Jan 2022 17:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180	Resp:	2606
Ion	Ratio	Lower Upper
180	100	
182	74.2	47.4 142.2
145	29.5	15.0 45.1

