

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070481.D
 Acq On : 5 Jan 2022 11:35
 Operator : JC/MD
 Sample : VN0105MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 06 12:33:02 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)

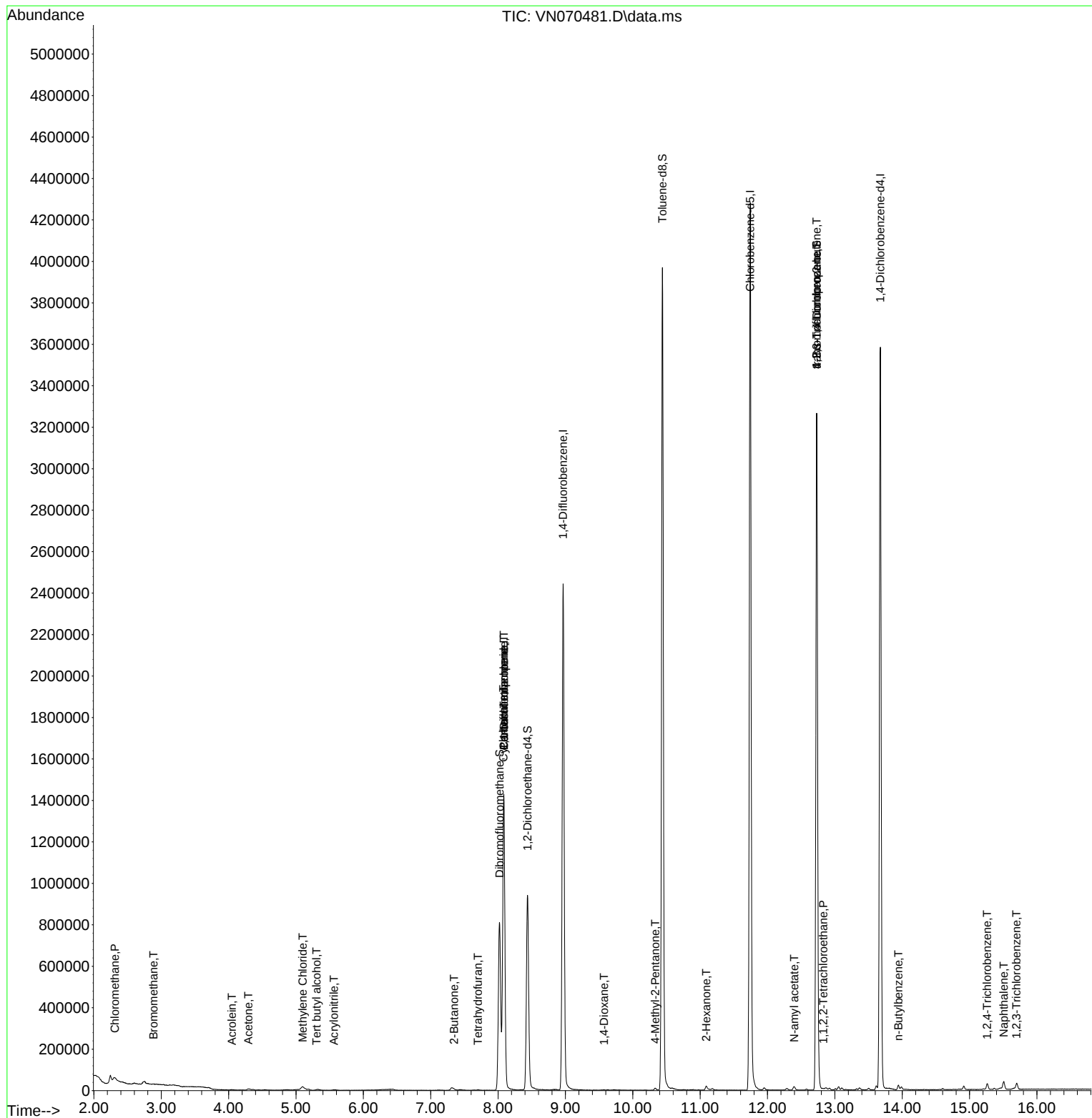
Internal Standards						
1) Pentafluorobenzene	8.086	168	1102943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2120741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2496736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	992950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	796456	50.224	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.440%	
35) Dibromofluoromethane	8.021	113	616635	48.056	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.120%	
50) Toluene-d8	10.440	98	2791751	53.259	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.520%	
62) 4-Bromofluorobenzene	12.731	95	1206345	63.719	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 127.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.311	50	3887	0.228	ug/l	97
5) Bromomethane	2.885	94	2392	0.299	ug/l #	57
11) Tert butyl alcohol	5.305	59	1915	0.725	ug/l #	71
13) Acrolein	4.047	56	1309	0.611	ug/l	96
15) Acrylonitrile	5.562	53	1673	0.203	ug/l #	86
16) Acetone	4.293	43	4418	0.429	ug/l	99
20) Methylene Chloride	5.101	84	9270	0.651	ug/l #	92
25) 2-Butanone	7.345	43	4505	0.348	ug/l	100
29) Tetrahydrofuran	7.699	42	1792	0.232	ug/l #	63
31) Cyclohexane	8.080	56	24894	0.995	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	89949	4.238	ug/l #	48
38) Carbon Tetrachloride	8.086	117	106947	5.276	ug/l #	16
49) 1,4-Dioxane	9.574	88	477	1.575	ug/l #	24
51) 4-Methyl-2-Pentanone	10.333	43	9253	0.339	ug/l	88
59) 2-Hexanone	11.092	43	18216	0.916	ug/l	87
74) N-amyl acetate	12.396	43	12168	0.314	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.827	83	2296	0.515	ug/l #	86
76) 1,2,3-Trichloropropane	12.731	75	626680	22.887	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	626680	77.109	ug/l #	5
89) n-Butylbenzene	13.943	91	13742	0.237	ug/l	96
93) 1,2,4-Trichlorobenzene	15.260	180	9850	0.602	ug/l	99
95) Naphthalene	15.507	128	39334	2.635	ug/l	99
96) 1,2,3-Trichlorobenzene	15.697	180	11616	1.556	ug/l	91

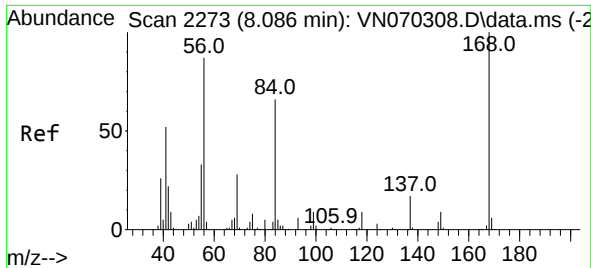
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

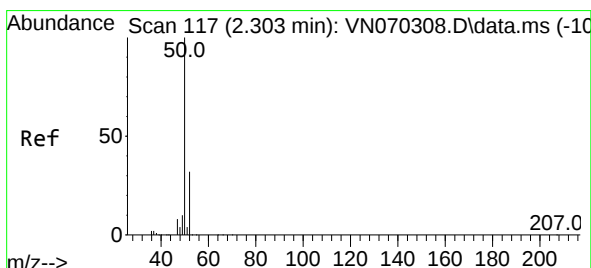
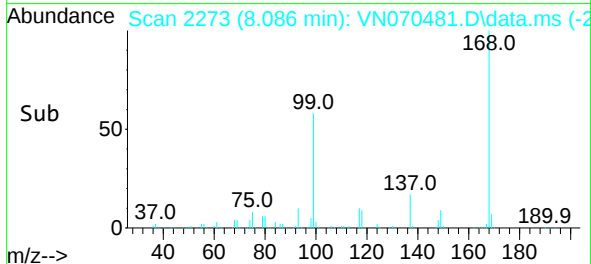
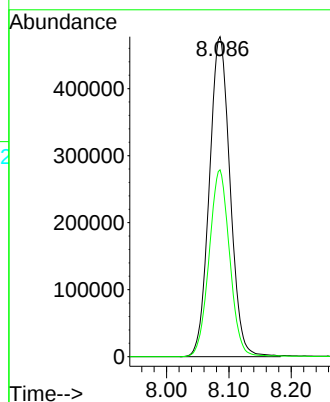
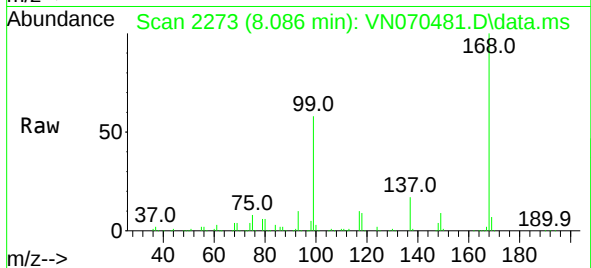




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

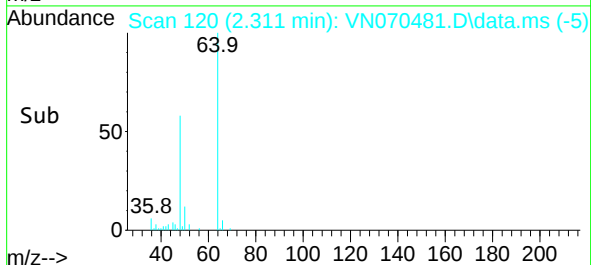
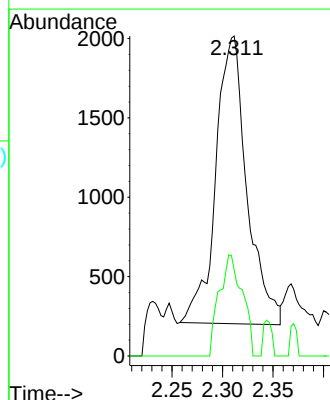
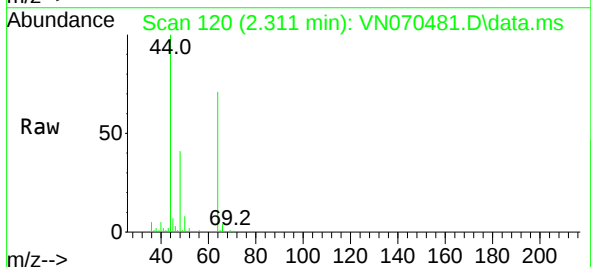
Instrument :
MSVOA_N
ClientSampleId :

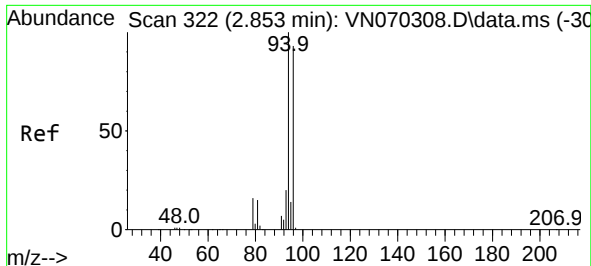
Tgt Ion:168 Resp: 1102943
Ion Ratio Lower Upper
168 100
99 58.4 41.3 61.9



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.311 min Scan# 120
Delta R.T. 0.008 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

Tgt Ion: 50 Resp: 3887
Ion Ratio Lower Upper
50 100
52 30.2 25.4 38.0

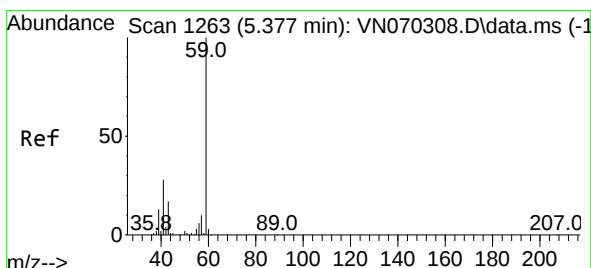
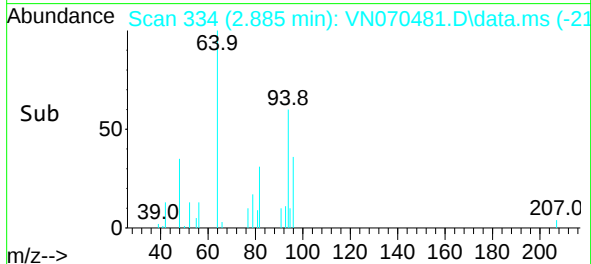
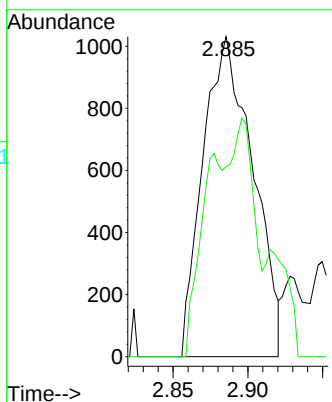
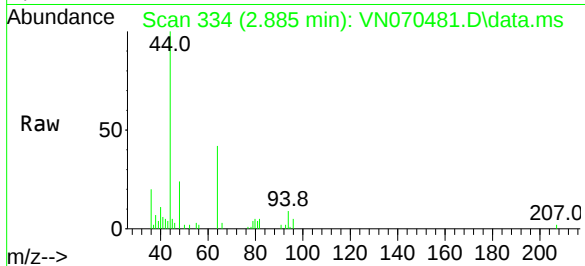




#5
Bromomethane
Concen: 0.299 ug/l
RT: 2.885 min Scan# 31
Delta R.T. 0.032 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

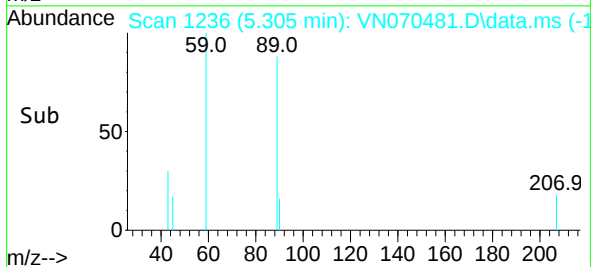
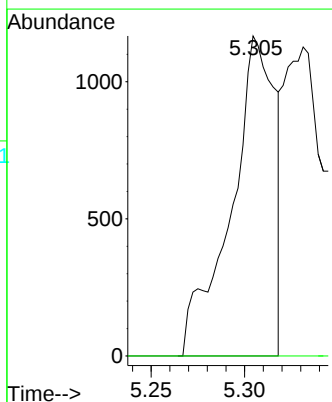
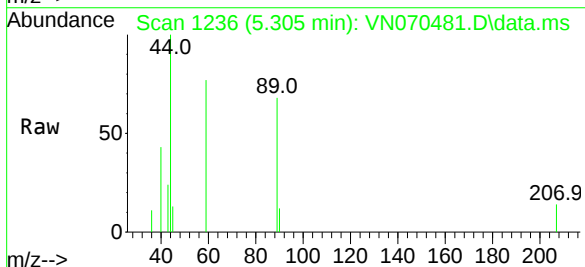
Instrument :
MSVOA_N
ClientSampleId :

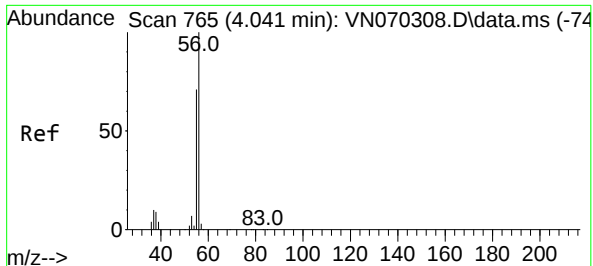
Tgt Ion: 94 Resp: 2392
Ion Ratio Lower Upper
94 100
96 51.2 73.8 110.8#



#11
Tert butyl alcohol
Concen: 0.725 ug/l
RT: 5.305 min Scan# 1236
Delta R.T. -0.072 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

Tgt Ion: 59 Resp: 1915
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

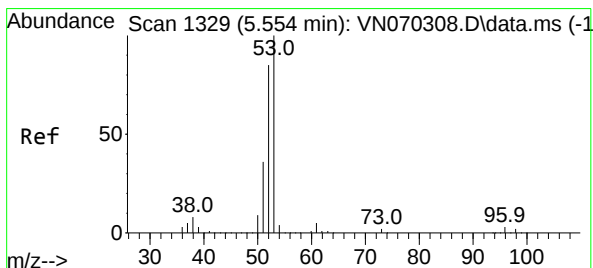
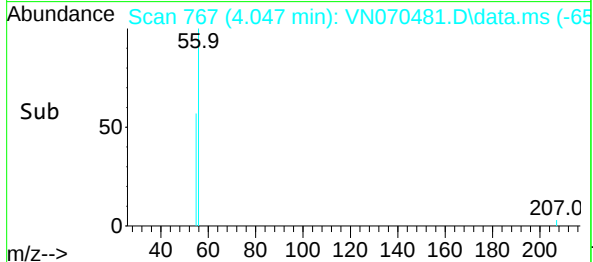
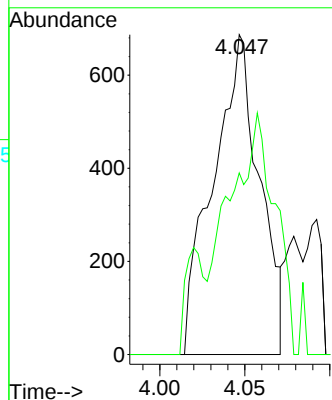
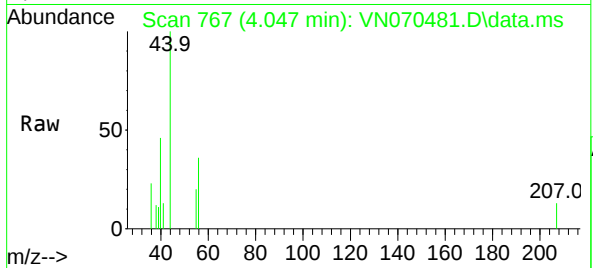




#13
Acrolein
Concen: 0.611 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.006 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

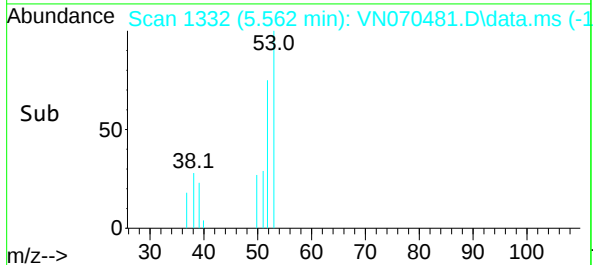
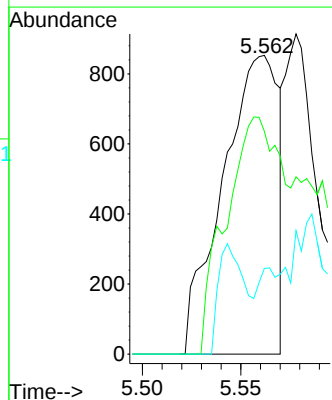
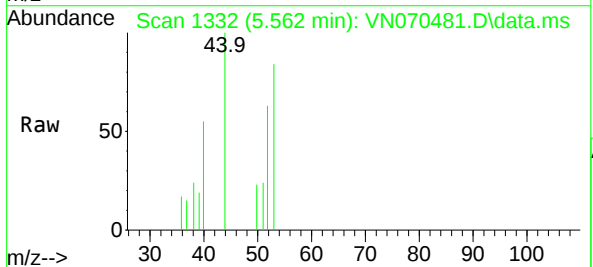
Instrument :
MSVOA_N
ClientSampleId :

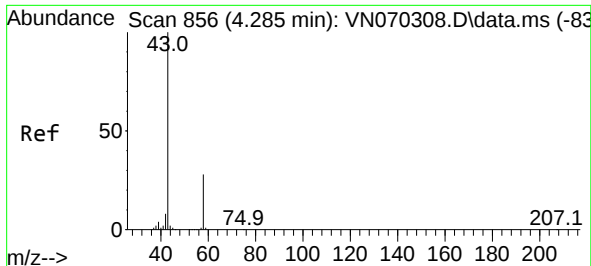
Tgt Ion: 56 Resp: 1309
Ion Ratio Lower Upper
56 100
55 74.5 56.6 85.0



#15
Acrylonitrile
Concen: 0.203 ug/l
RT: 5.562 min Scan# 1332
Delta R.T. 0.008 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

Tgt Ion: 53 Resp: 1673
Ion Ratio Lower Upper
53 100
52 81.6 66.2 99.2
51 11.0 29.6 44.4#

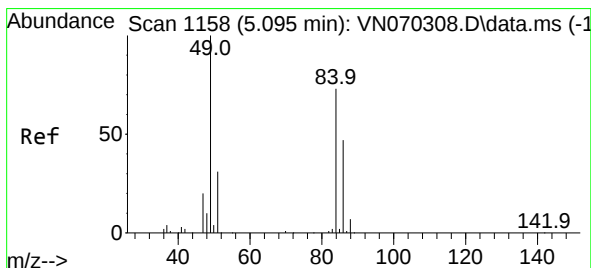
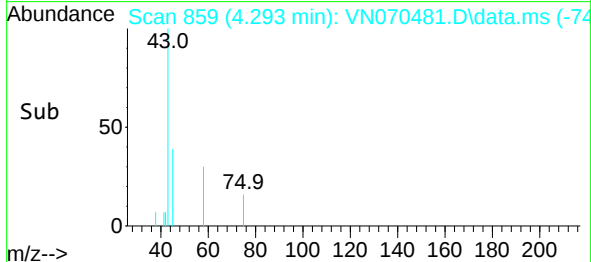
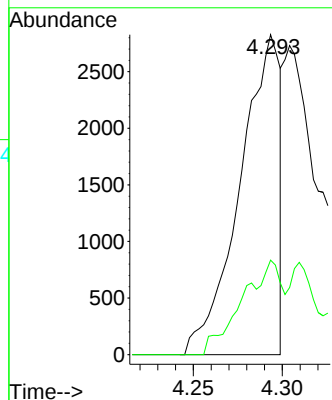
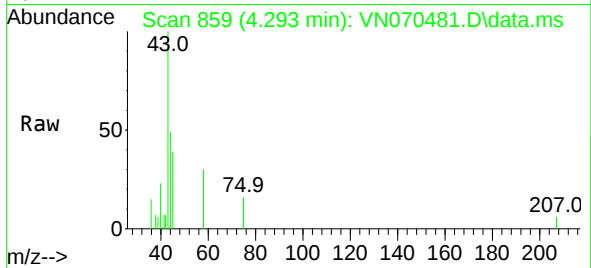




#16
Acetone
Concen: 0.429 ug/l
RT: 4.293 min Scan# 81
Delta R.T. 0.008 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

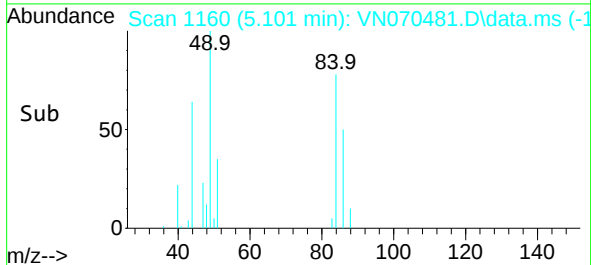
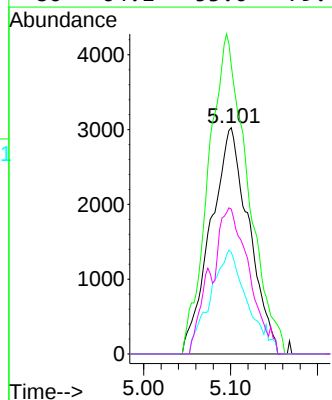
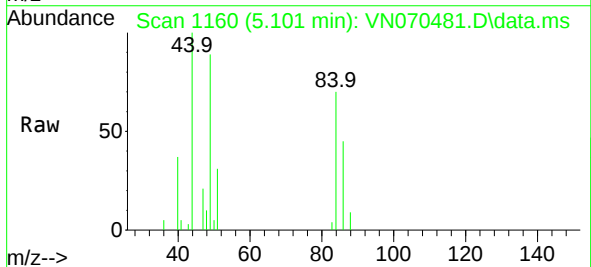
Instrument :
MSVOA_N
ClientSampleId :

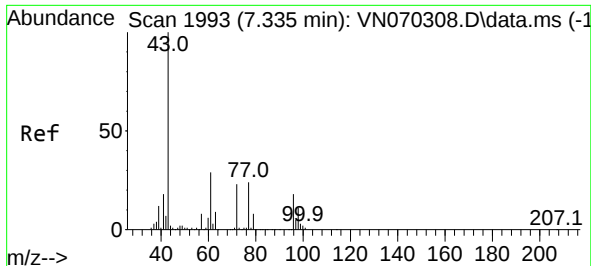
Tgt Ion: 43 Resp: 4418
Ion Ratio Lower Upper
43 100
58 29.5 23.1 34.7



#20
Methylene Chloride
Concen: 0.651 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

Tgt Ion: 84 Resp: 9270
Ion Ratio Lower Upper
84 100
49 127.8 93.5 140.3
51 44.9 29.4 44.2#
86 64.1 53.0 79.4





#25

2-Butanone

Concen: 0.348 ug/l

RT: 7.345 min Scan# 1993

Delta R.T. 0.010 min

Lab File: VN070481.D

Acq: 5 Jan 2022 11:35

Instrument :

MSVOA_N

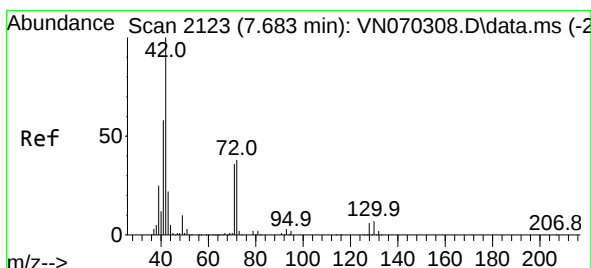
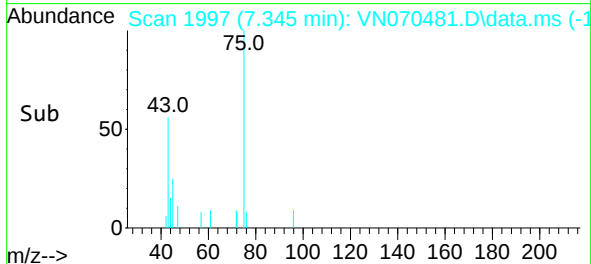
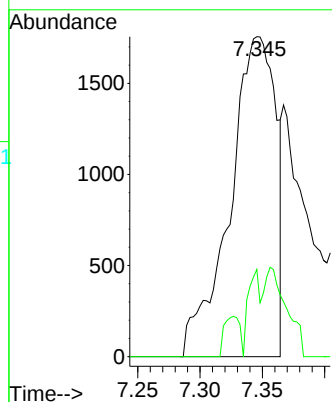
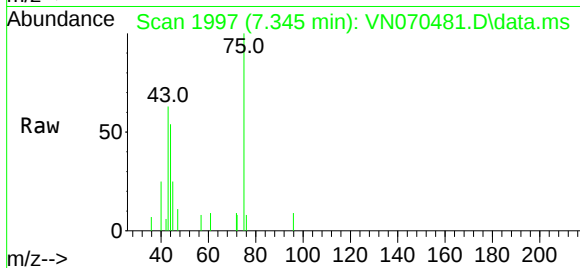
ClientSampleId :

Tgt Ion: 43 Resp: 4505

Ion Ratio Lower Upper

43 100

72 27.2 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.232 ug/l

RT: 7.699 min Scan# 2129

Delta R.T. 0.016 min

Lab File: VN070481.D

Acq: 5 Jan 2022 11:35

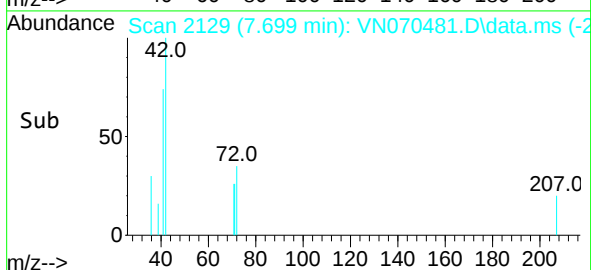
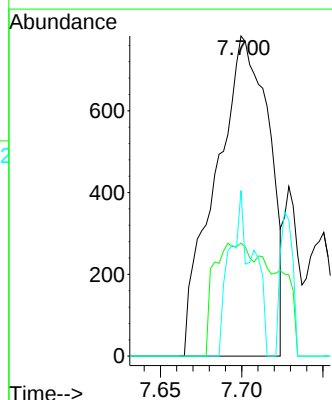
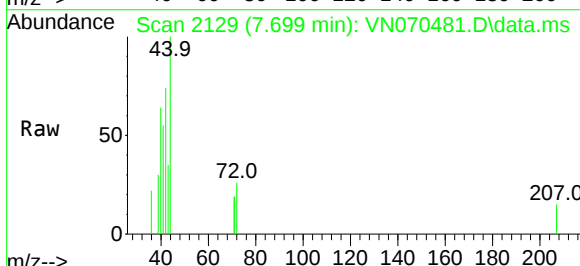
Tgt Ion: 42 Resp: 1792

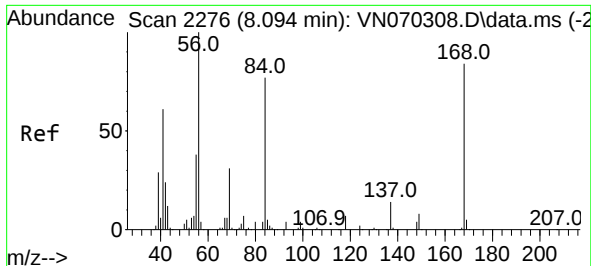
Ion Ratio Lower Upper

42 100

72 24.7 36.3 54.5#

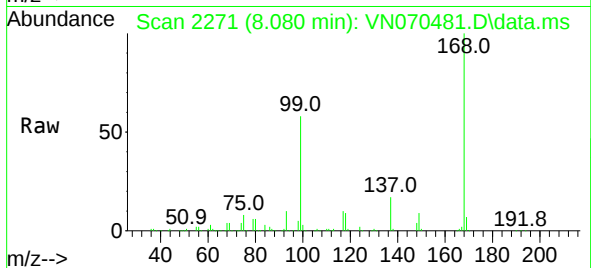
71 16.4 34.7 52.1#



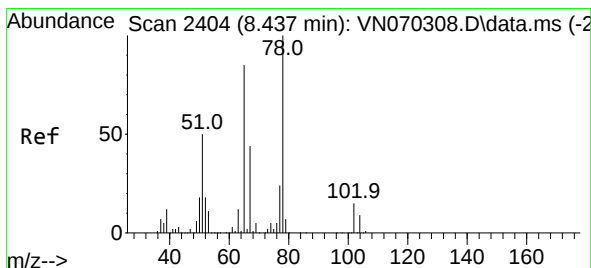
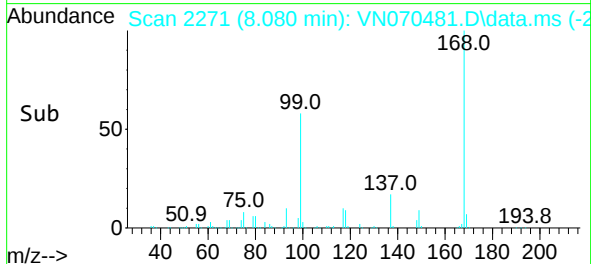
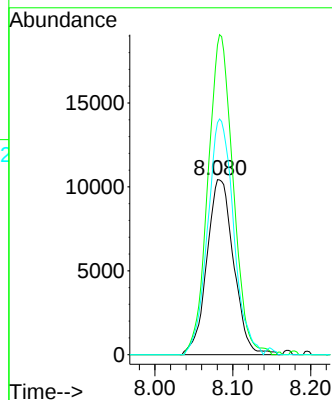


#31
Cyclohexane
Concen: 0.995 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.014 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

Instrument :
MSVOA_N
ClientSampleId :

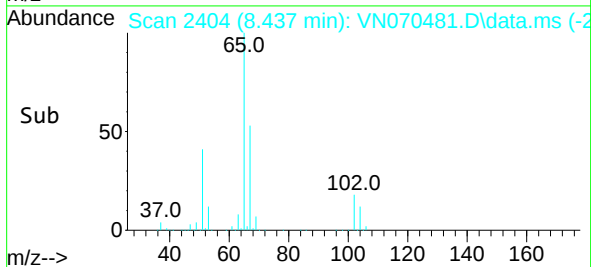
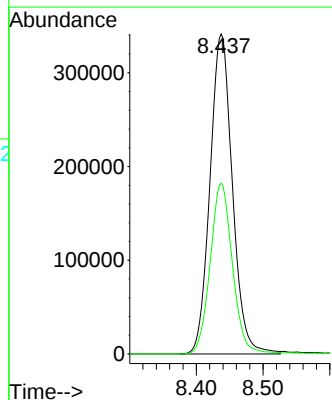
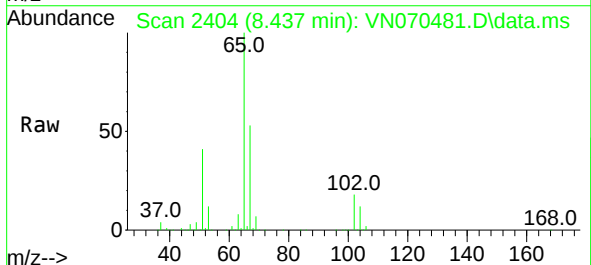


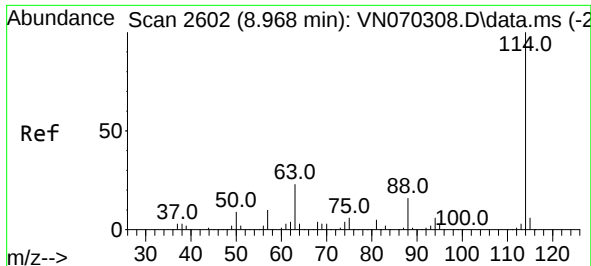
Tgt Ion: 56 Resp: 24894
Ion Ratio Lower Upper
56 100
69 176.8 27.1 40.7#
84 132.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 50.224 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

Tgt Ion: 65 Resp: 796456
Ion Ratio Lower Upper
65 100
67 53.0 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: VN070481.D

Acq: 5 Jan 2022 11:35

Instrument :

MSVOA_N

ClientSampleId :

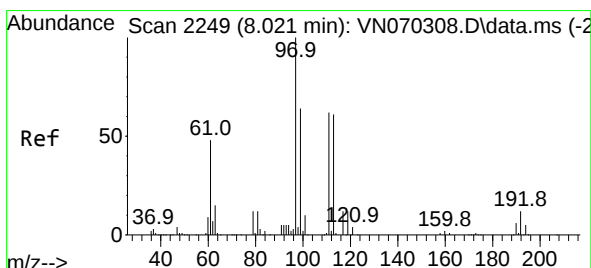
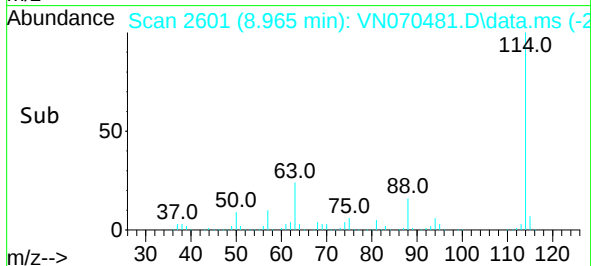
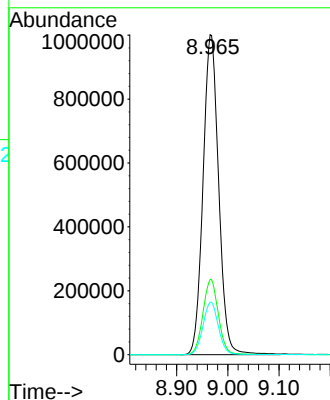
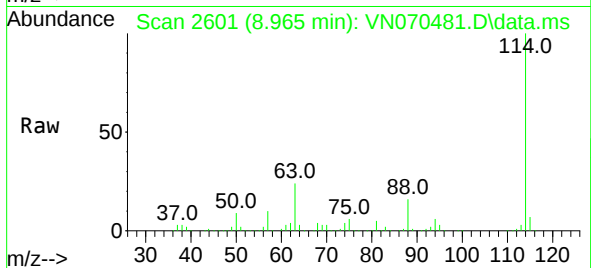
Tgt Ion:114 Resp: 2120741

Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.056 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070481.D

Acq: 5 Jan 2022 11:35

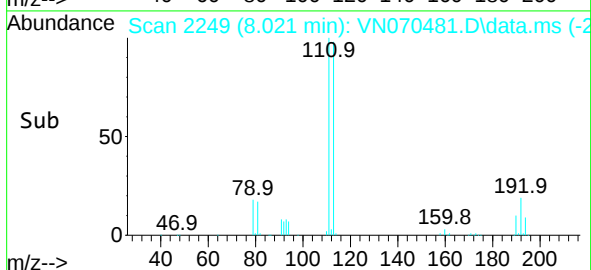
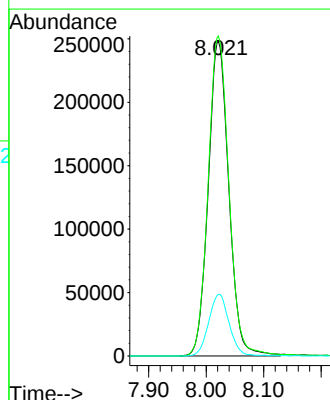
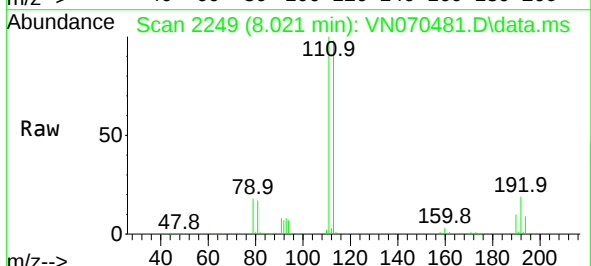
Tgt Ion:113 Resp: 616635

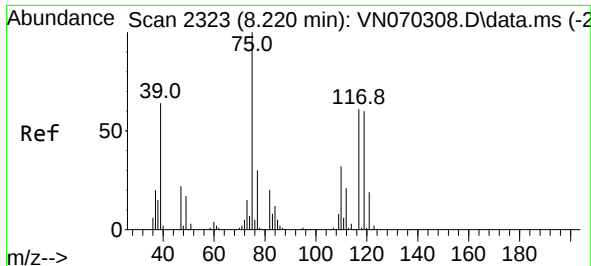
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

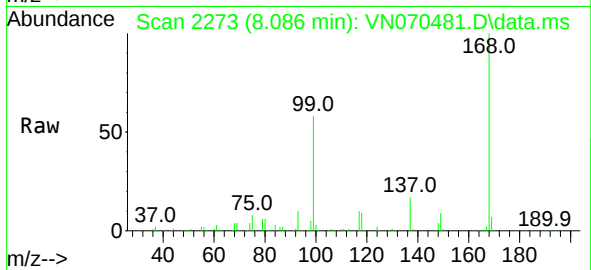
192 19.4 16.9 25.3



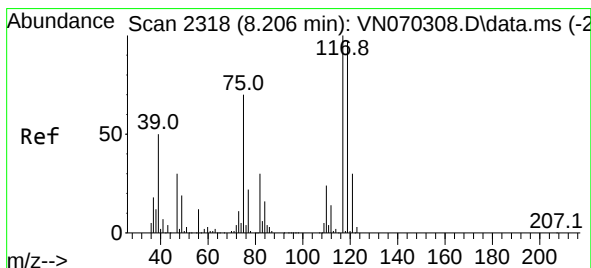
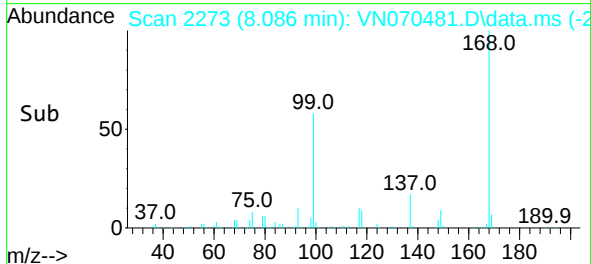
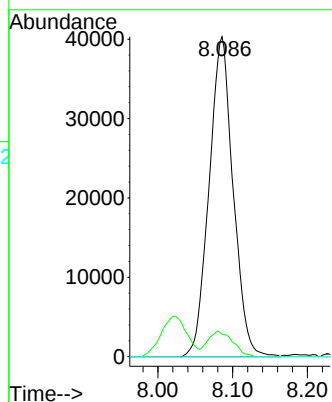


#36
1,1-Dichloropropene
Concen: 4.238 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

Instrument :
MSVOA_N
ClientSampleId :

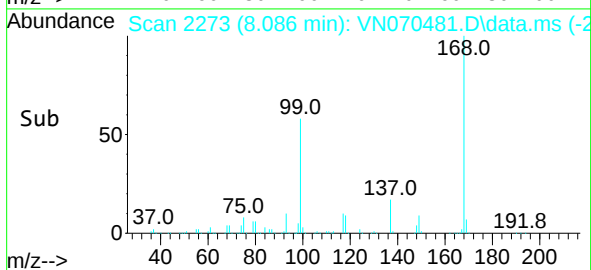
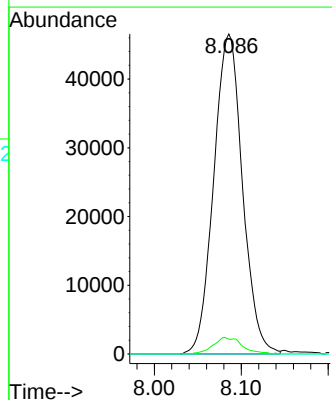
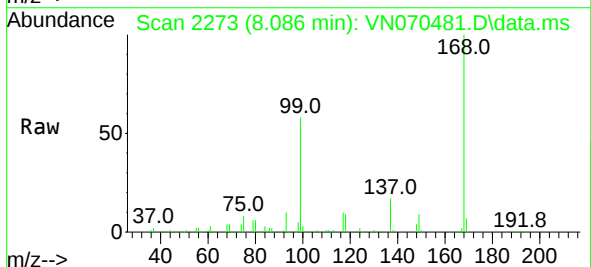


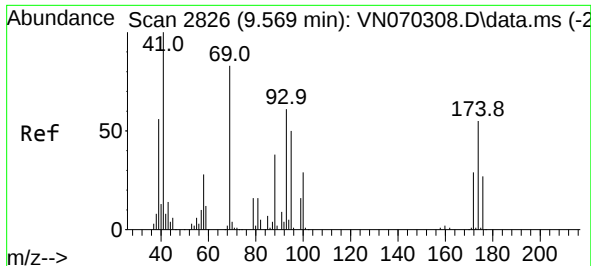
Tgt Ion: 75 Resp: 89949
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.276 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

Tgt Ion: 117 Resp: 106947
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 1.575 ug/l

RT: 9.574 min Scan# 21

Delta R.T. 0.005 min

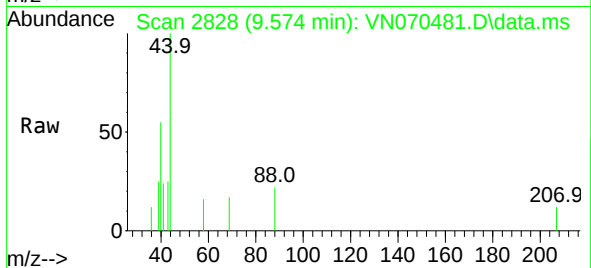
Lab File: VN070481.D

Acq: 5 Jan 2022 11:35

Instrument :

MSVOA_N

ClientSampleId :



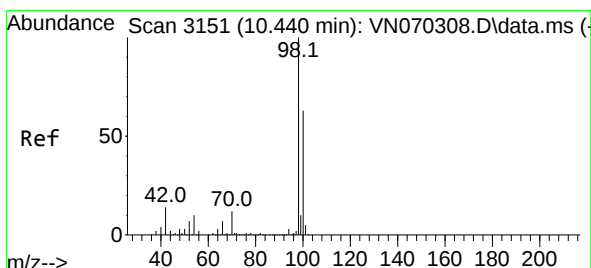
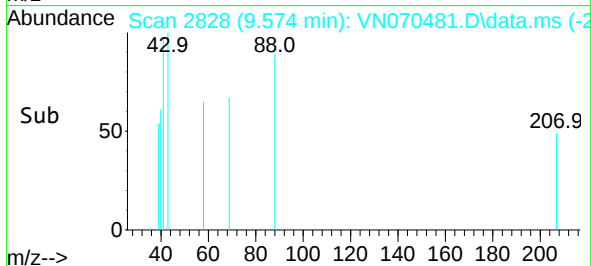
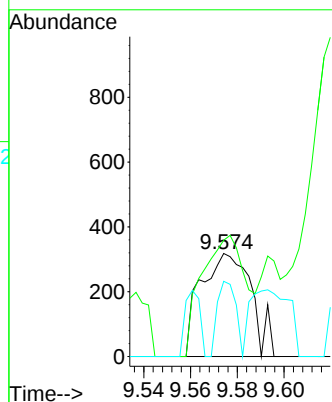
Tgt Ion: 88 Resp: 477

Ion Ratio Lower Upper

88 100

43 103.6 23.4 35.2#

58 26.4 50.6 75.8#



#50

Toluene-d8

Concen: 53.259 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN070481.D

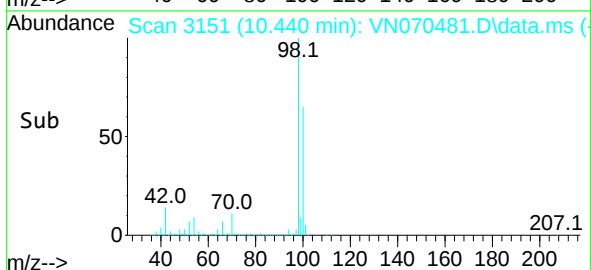
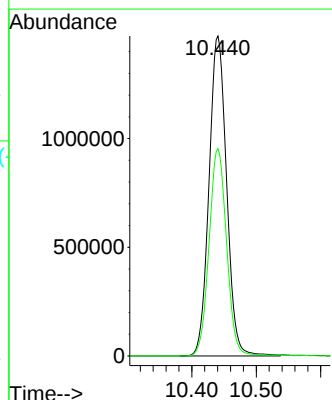
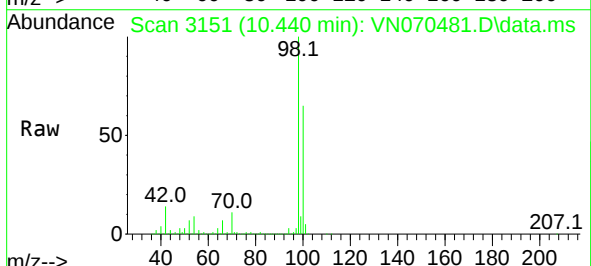
Acq: 5 Jan 2022 11:35

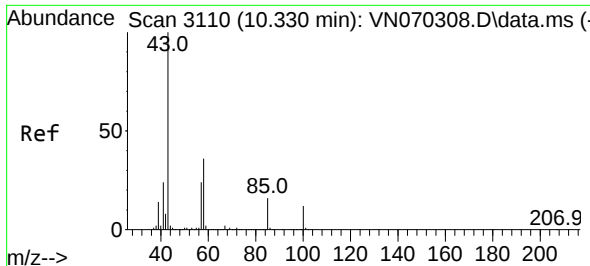
Tgt Ion: 98 Resp: 2791751

Ion Ratio Lower Upper

98 100

100 64.8 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.339 ug/l

RT: 10.333 min Scan# 3111

Delta R.T. 0.003 min

Lab File: VN070481.D

Acq: 5 Jan 2022 11:35

Instrument :

MSVOA_N

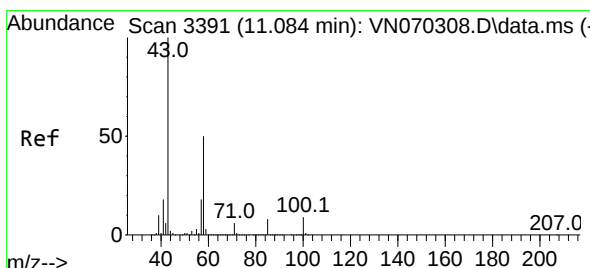
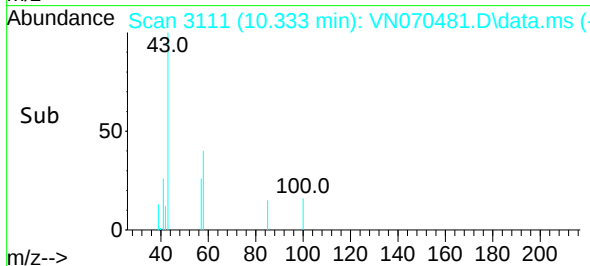
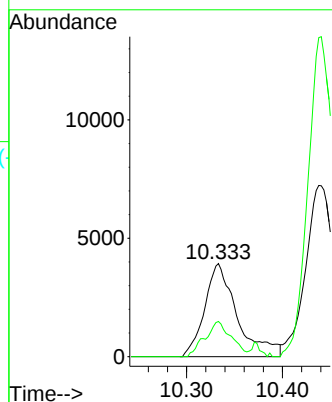
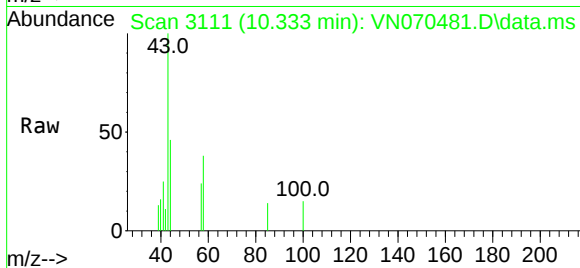
ClientSampleId :

Tgt Ion: 43 Resp: 9253

Ion Ratio Lower Upper

43 100

58 30.7 30.4 45.6



#59

2-Hexanone

Concen: 0.916 ug/l

RT: 11.092 min Scan# 3394

Delta R.T. 0.008 min

Lab File: VN070481.D

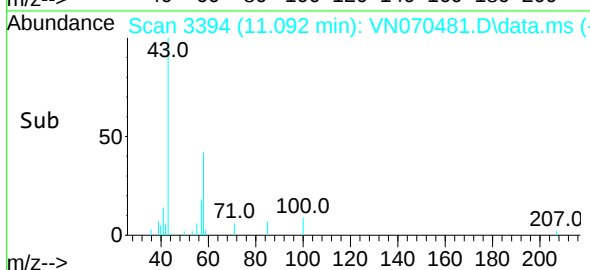
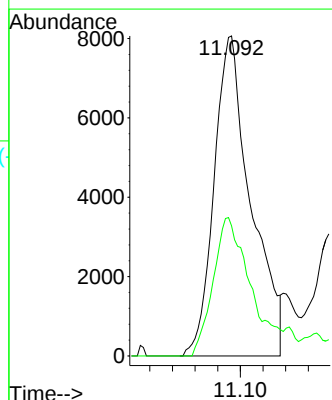
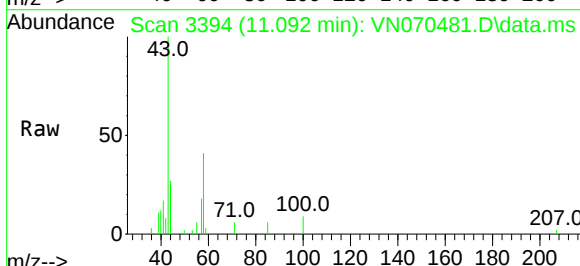
Acq: 5 Jan 2022 11:35

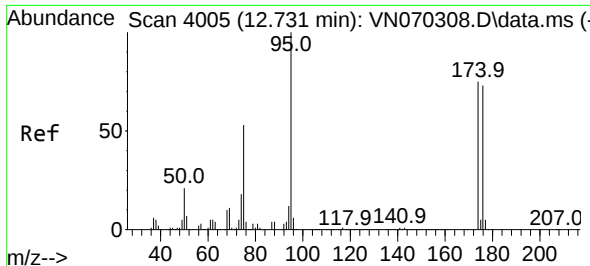
Tgt Ion: 43 Resp: 18216

Ion Ratio Lower Upper

43 100

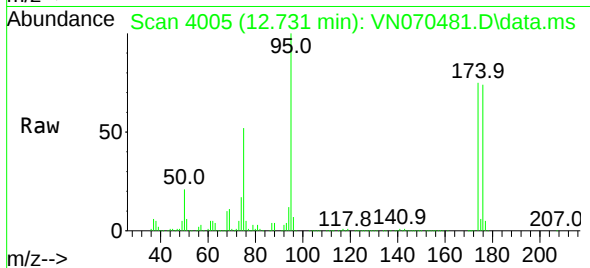
58 44.2 26.9 80.7



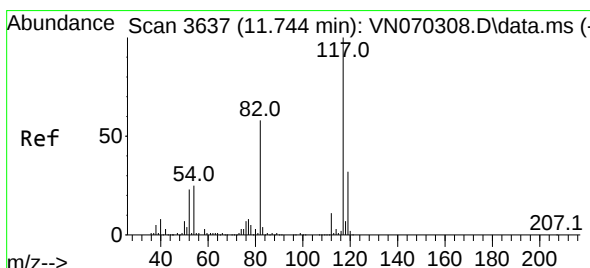
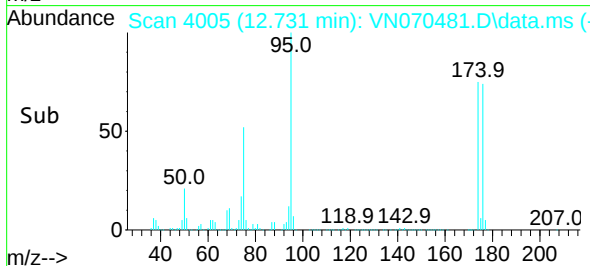
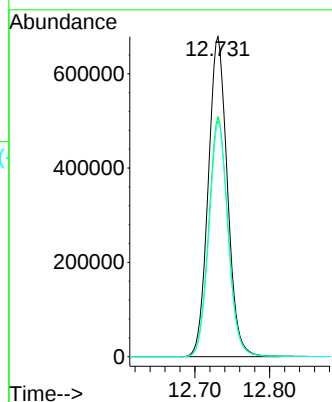


#62
4-Bromofluorobenzene
Concen: 63.719 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

Instrument :
MSVOA_N
ClientSampleId :

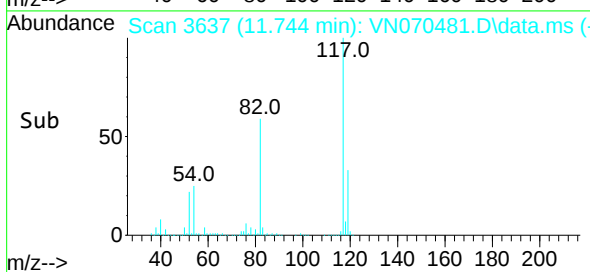
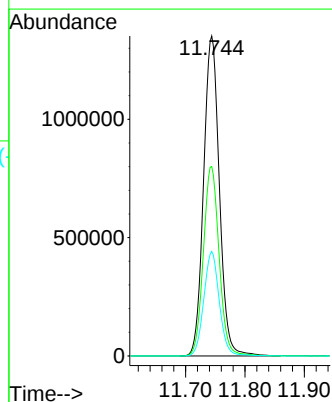
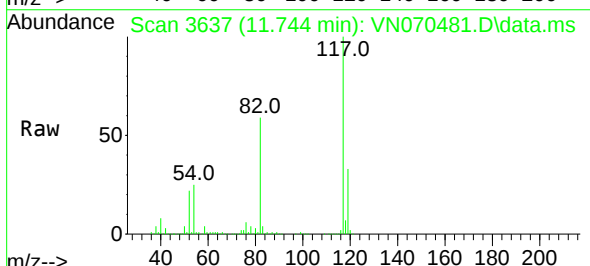


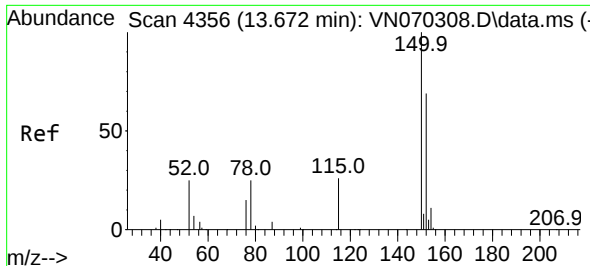
Tgt Ion: 95 Resp: 1206345
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

Tgt Ion: 117 Resp: 2496736
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 32.6 25.4 38.2

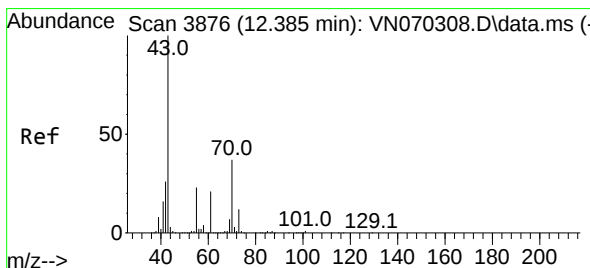
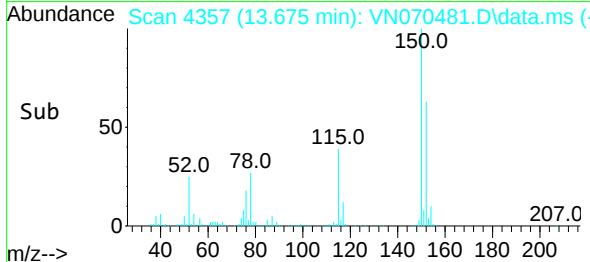
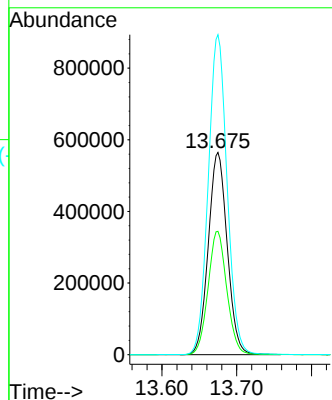
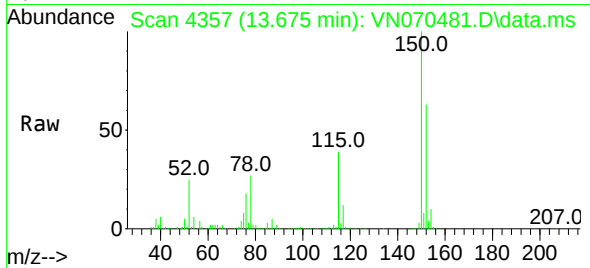




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

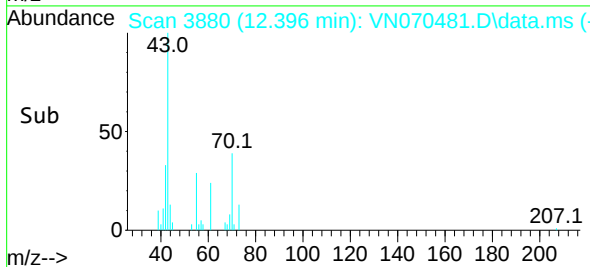
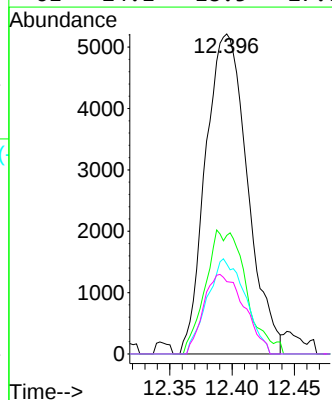
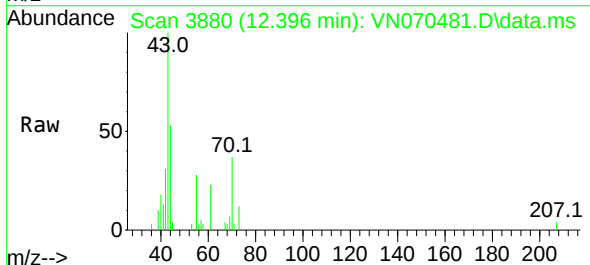
Instrument :
MSVOA_N
ClientSampleId :

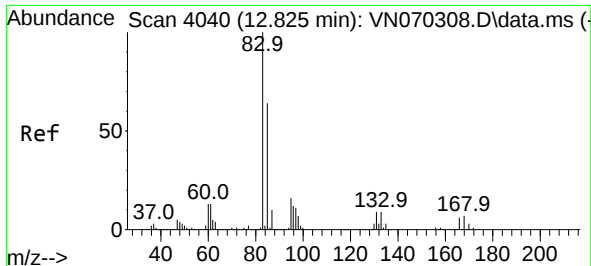
Tgt Ion:152 Resp: 992950
Ion Ratio Lower Upper
152 100
115 60.3 27.5 82.5
150 157.8 0.0 344.4



#74
N-ethyl acetate
Concen: 0.314 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.011 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

Tgt Ion: 43 Resp: 12168
Ion Ratio Lower Upper
43 100
70 17.6 33.4 50.0#
55 27.1 19.3 28.9
61 24.1 18.5 27.7

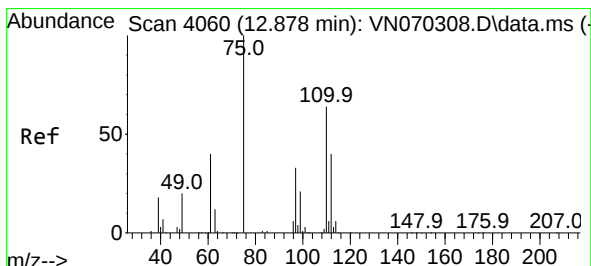
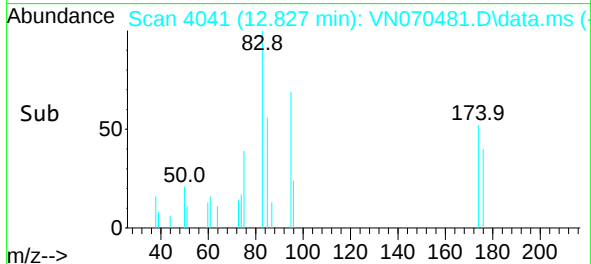
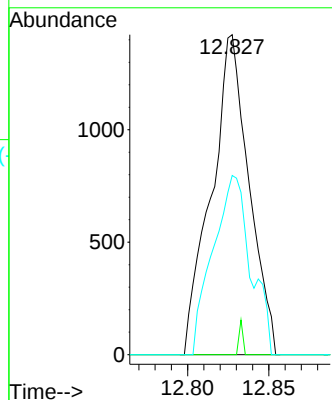
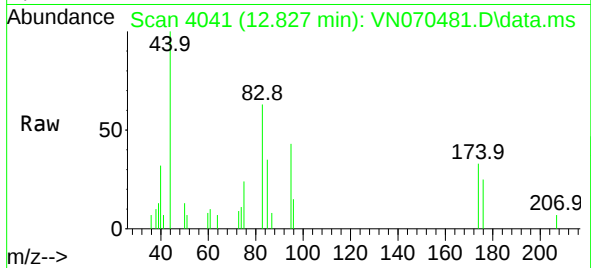




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.515 ug/l
 RT: 12.827 min Scan# 4040
 Delta R.T. 0.002 min
 Lab File: VN070481.D
 Acq: 5 Jan 2022 11:35

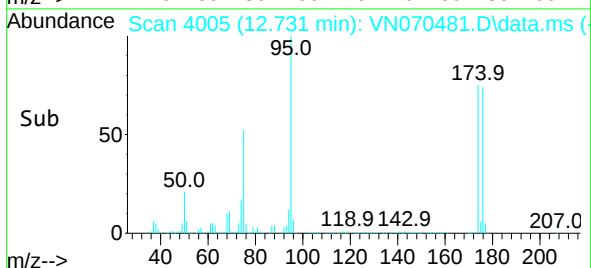
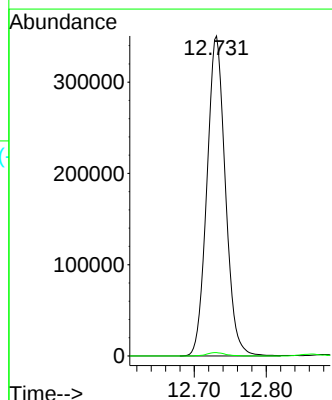
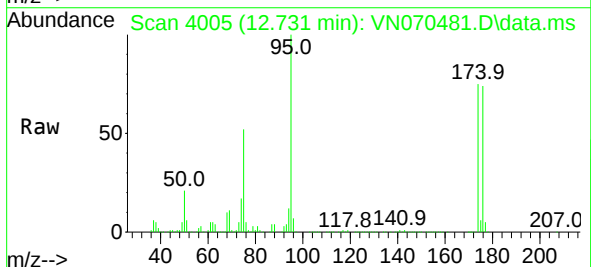
Instrument :
 MSVOA_N
 ClientSampleId :

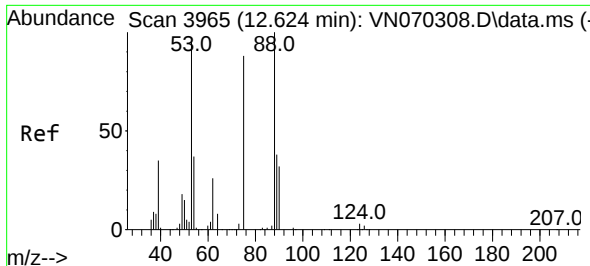
Tgt Ion: 83 Resp: 2296
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 56.1 32.4 97.2



#76
 1,2,3-Trichloropropane
 Concen: 22.887 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.147 min
 Lab File: VN070481.D
 Acq: 5 Jan 2022 11:35

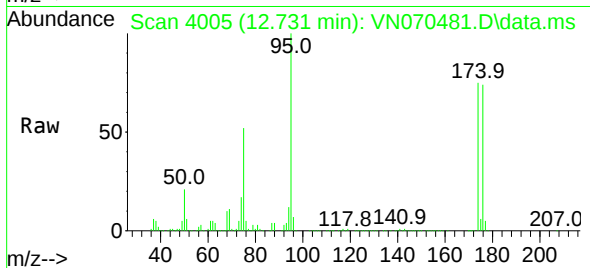
Tgt Ion: 75 Resp: 626680
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#



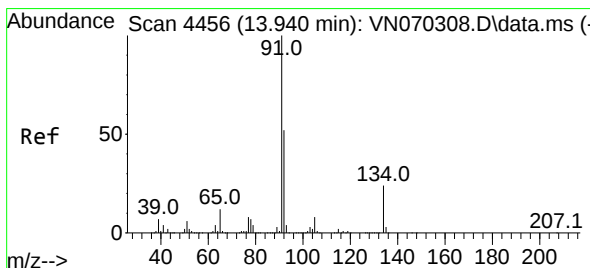
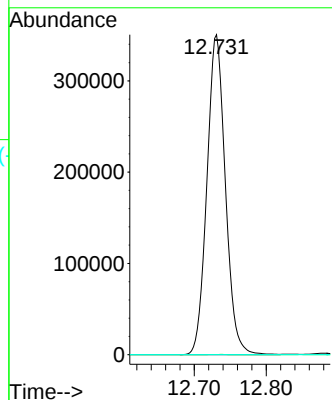
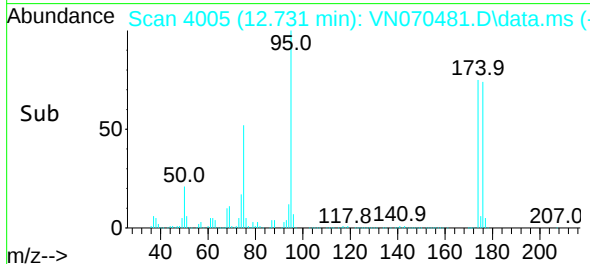


#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.109 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. 0.107 min
 Lab File: VN070481.D
 Acq: 5 Jan 2022 11:35

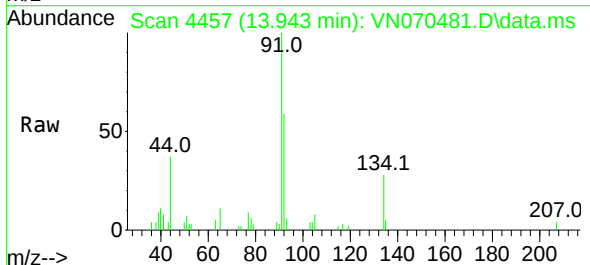
Instrument :
 MSVOA_N
 ClientSampleId :



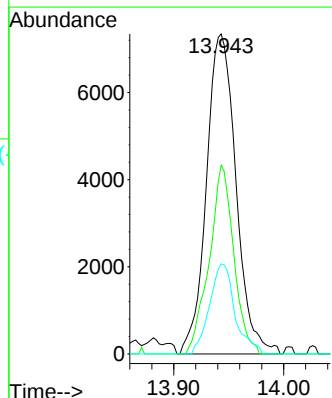
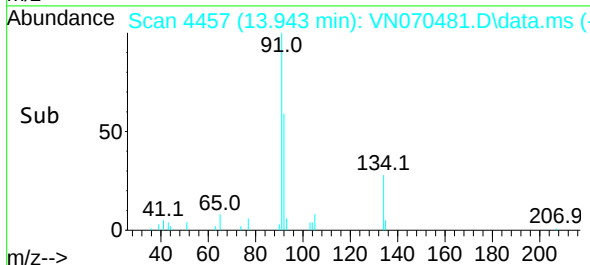
Tgt Ion: 75 Resp: 626680
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#

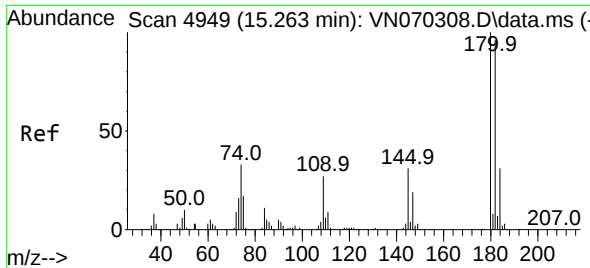


#89
 n-Butylbenzene
 Concen: 0.237 ug/l
 RT: 13.943 min Scan# 4457
 Delta R.T. 0.003 min
 Lab File: VN070481.D
 Acq: 5 Jan 2022 11:35



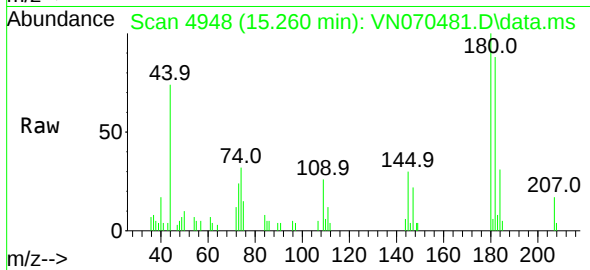
Tgt Ion: 91 Resp: 13742
 Ion Ratio Lower Upper
 91 100
 92 48.9 25.4 76.0
 134 24.2 13.6 40.8



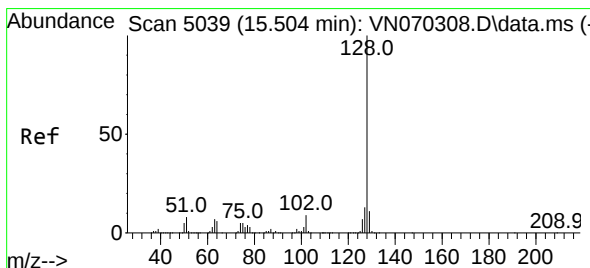
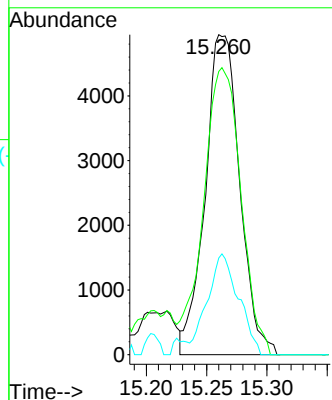
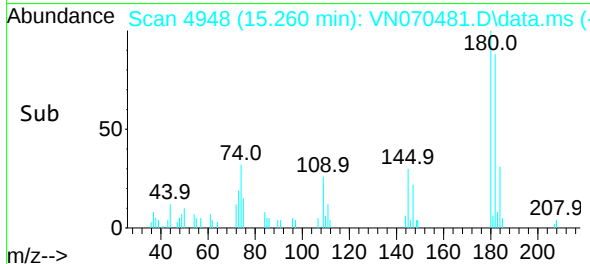


#93
1,2,4-Trichlorobenzene
Concen: 0.602 ug/l
RT: 15.260 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35

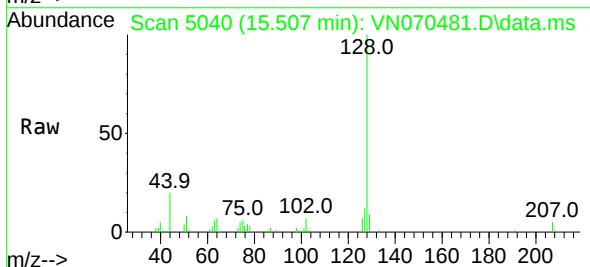
Instrument :
MSVOA_N
ClientSampleId :



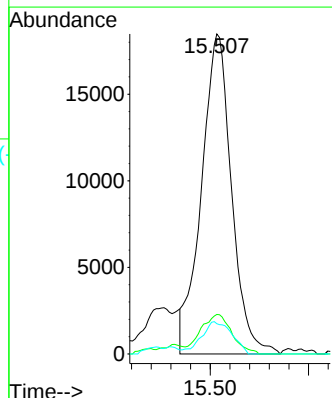
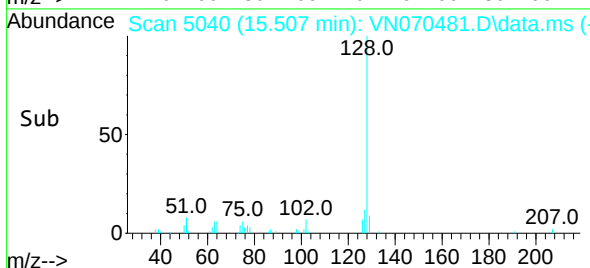
Tgt Ion:180 Resp: 9850
Ion Ratio Lower Upper
180 100
182 97.8 48.3 144.9
145 28.5 14.5 43.5

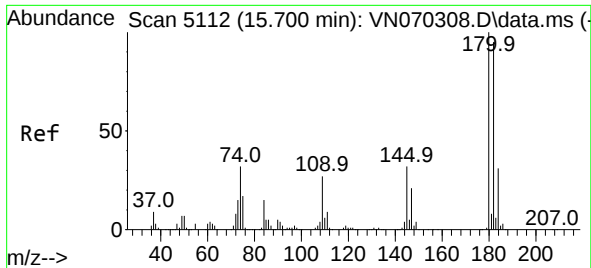


#95
Naphthalene
Concen: 2.635 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070481.D
Acq: 5 Jan 2022 11:35



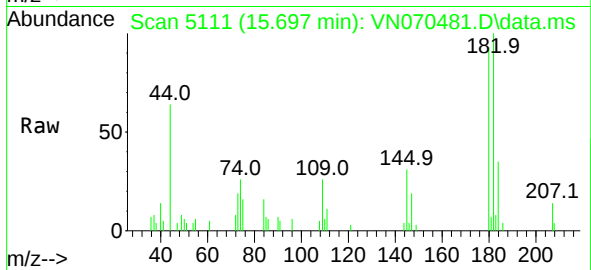
Tgt Ion:128 Resp: 39334
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.2 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.556 ug/l
 RT: 15.697 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VN070481.D
 Acq: 5 Jan 2022 11:35

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	11616
Ion	Ratio	Lower	Upper
180	100		
182	104.7	47.4	142.2
145	33.4	15.0	45.1

