

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
 Data File : VN070533.D
 Acq On : 6 Jan 2022 21:06
 Operator : JC/MD
 Sample : N1037-05 100X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 08 01:43:58 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)

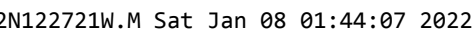
Internal Standards						
1) Pentafluorobenzene	8.086	168	871938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1522440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1337074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	516851	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	699221	55.773	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 111.540%	
35) Dibromofluoromethane	8.019	113	498546	54.122	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 108.240%	
50) Toluene-d8	10.440	98	2005360	53.292	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.580%	
62) 4-Bromofluorobenzene	12.728	95	765855	56.349	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 112.700%	

Target Compounds				Qvalue		
3) Chloromethane	2.301	50	3353	0.249	ug/l #	88
11) Tert butyl alcohol	5.310	59	580	0.278	ug/l #	71
13) Acrolein	4.044	56	758	0.448	ug/l #	38
16) Acetone	4.285	43	2068672	254.189	ug/l	99
18) Methyl Acetate	4.867	43	26982	1.146	ug/l #	75
20) Methylene Chloride	5.103	84	4602	0.409	ug/l #	84
25) 2-Butanone	7.337	43	26200	2.557	ug/l	95
31) Cyclohexane	8.078	56	20477	1.035	ug/l #	17
36) 1,1-Dichloropropene	8.083	75	71078	4.664	ug/l #	48
37) Ethyl Acetate	7.337	43	26200	1.326	ug/l #	68
38) Carbon Tetrachloride	8.083	117	84016	5.774	ug/l #	17
43) Isopropyl Acetate	8.662	43	126735	4.070	ug/l #	55
52) Toluene	10.507	92	17766	0.628	ug/l	97
59) 2-Hexanone	11.087	43	42595	2.985	ug/l	80
71) Bromoform	12.723	173	2067	0.275	ug/l #	29
74) N-amyl acetate	12.355	43	12346	0.612	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.838	83	197	0.458	ug/l #	25
76) 1,2,3-Trichloropropane	12.728	75	390760	26.875	ug/l #	1
78) n-propylbenzene	12.919	91	14443	0.272	ug/l #	73
80) 1,3,5-Trimethylbenzene	13.058	105	18184	0.473	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.728	75	390760	92.371	ug/l #	5
83) tert-Butylbenzene	13.366	119	8293	0.245	ug/l #	59
84) 1,2,4-Trimethylbenzene	13.366	105	63458	1.713	ug/l	97
86) p-Isopropyltoluene	13.611	119	16133	0.447	ug/l	98
89) n-Butylbenzene	13.940	91	10185	0.338	ug/l #	68
90) Hexachloroethane	14.214	117	6314	1.006	ug/l #	6
95) Naphthalene	15.504	128	108774	6.250	ug/l	99
96) 1,2,3-Trichlorobenzene	15.710	180	603	0.899	ug/l #	1

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

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QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

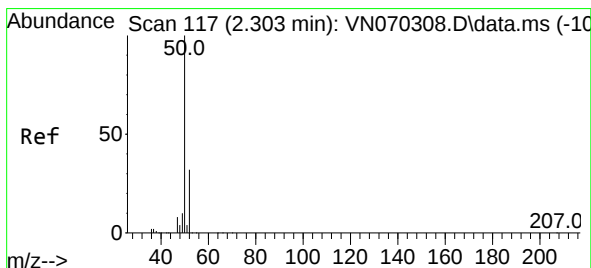
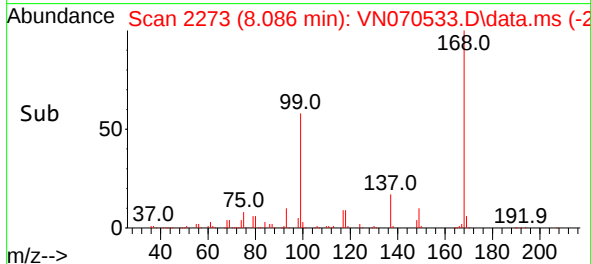
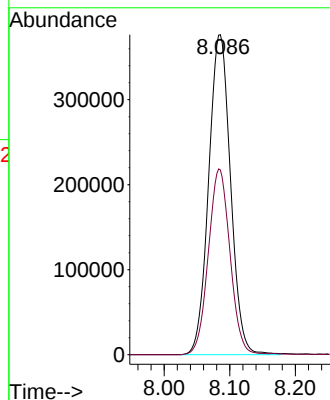
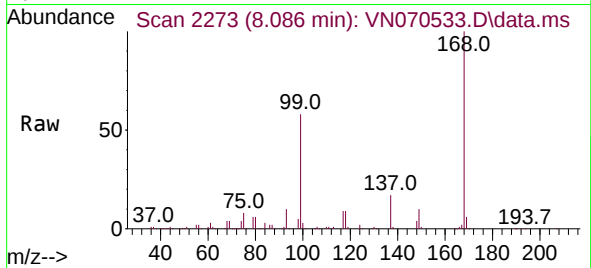




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

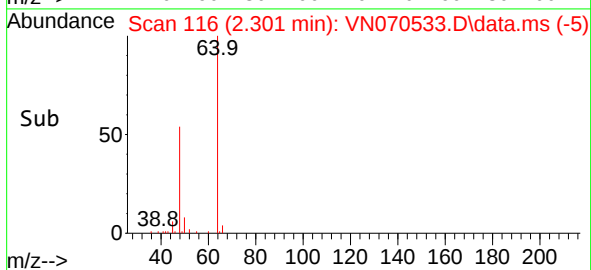
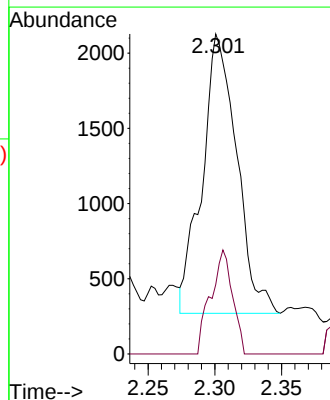
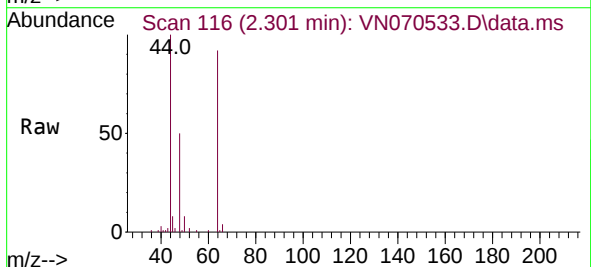
Instrument :
MSVOA_N
ClientSampleId :

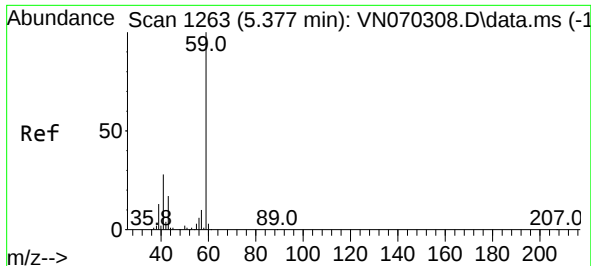
Tgt Ion:168 Resp: 871938
Ion Ratio Lower Upper
168 100
99 57.8 41.3 61.9



#3
Chloromethane
Concen: 0.249 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

Tgt Ion: 50 Resp: 3353
Ion Ratio Lower Upper
50 100
52 24.8 25.4 38.0#





#11

Tert butyl alcohol

Concen: 0.278 ug/l

RT: 5.310 min Scan# 11

Delta R.T. -0.067 min

Lab File: VN070533.D

Acq: 6 Jan 2022 21:06

Instrument :

MSVOA_N

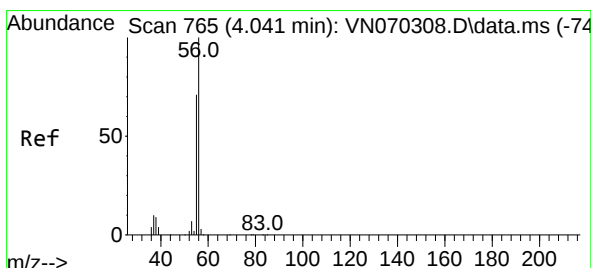
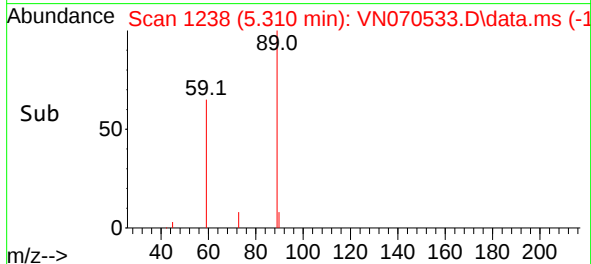
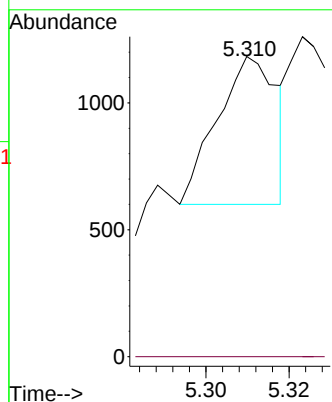
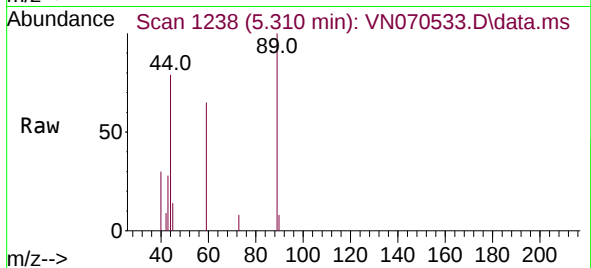
ClientSampleId :

Tgt Ion: 59 Resp: 580

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.448 ug/l

RT: 4.044 min Scan# 766

Delta R.T. 0.003 min

Lab File: VN070533.D

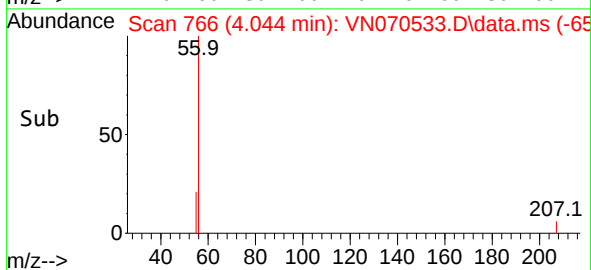
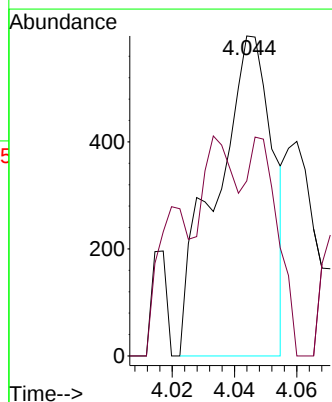
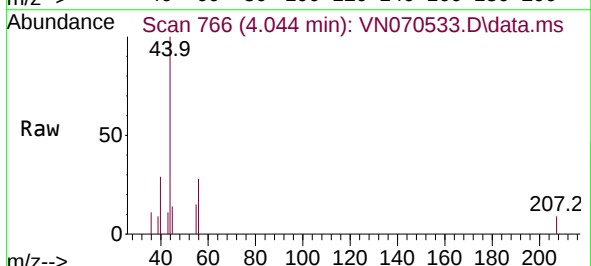
Acq: 6 Jan 2022 21:06

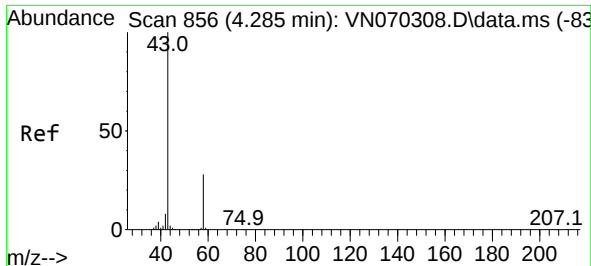
Tgt Ion: 56 Resp: 758

Ion Ratio Lower Upper

56 100

55 19.5 56.6 85.0#

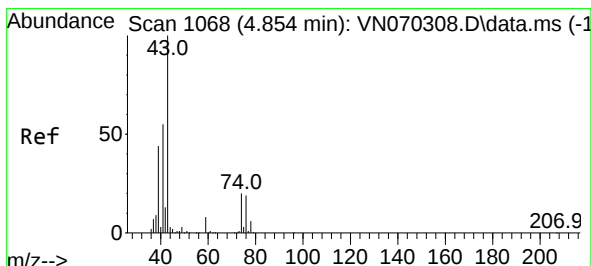
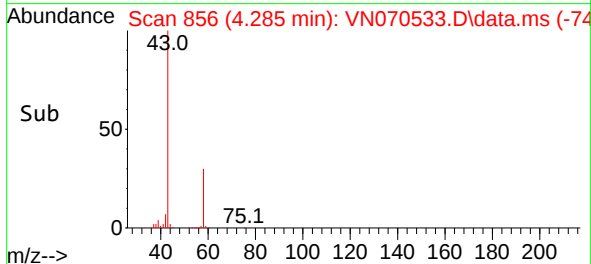
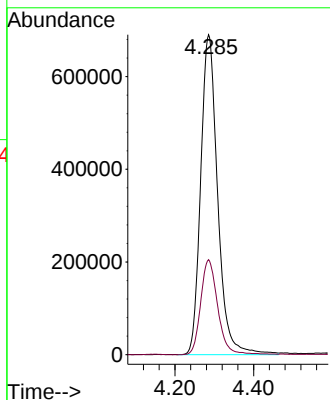
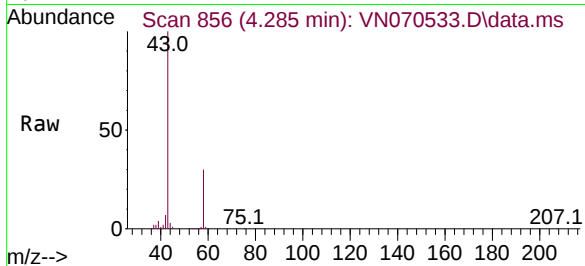




#16
Acetone
Concen: 254.189 ug/l
RT: 4.285 min Scan# 856
Delta R.T. 0.000 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

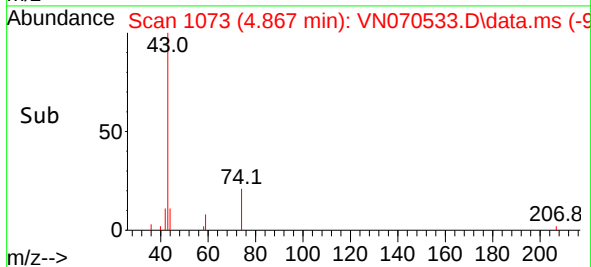
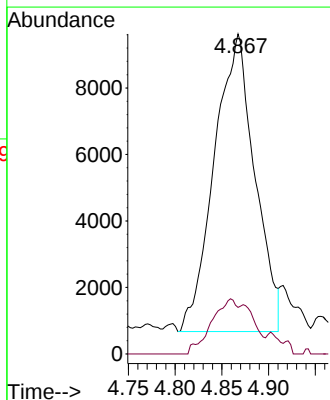
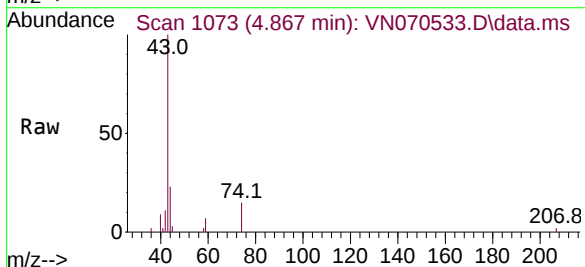
Instrument :
MSVOA_N
ClientSampleId :

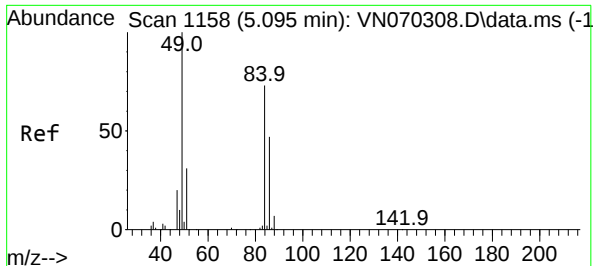
Tgt Ion: 43 Resp: 2068672
Ion Ratio Lower Upper
43 100
58 29.7 23.1 34.7



#18
Methyl Acetate
Concen: 1.146 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

Tgt Ion: 43 Resp: 26982
Ion Ratio Lower Upper
43 100
74 11.7 19.4 29.2#





#20

Methylene Chloride

Concen: 0.409 ug/l

RT: 5.103 min Scan# 1158

Delta R.T. 0.008 min

Lab File: VN070533.D

Acq: 6 Jan 2022 21:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 84 Resp: 4602

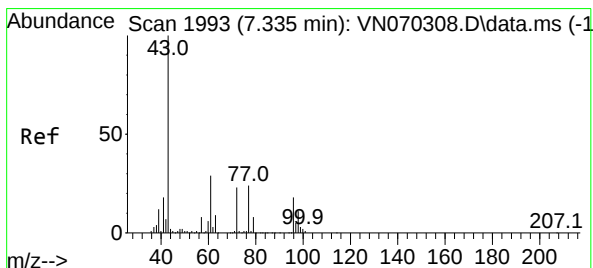
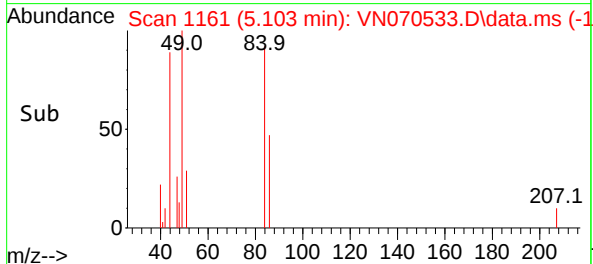
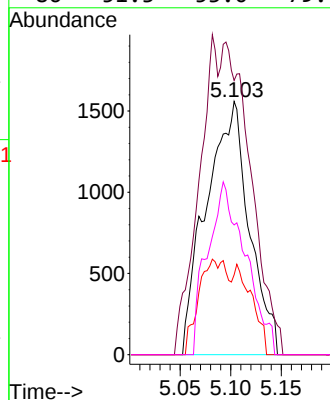
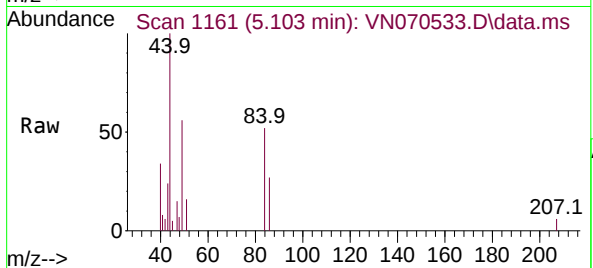
Ion Ratio Lower Upper

84 100

49 97.8 93.5 140.3

51 31.6 29.4 44.2

86 51.3 53.0 79.4#



#25

2-Butanone

Concen: 2.557 ug/l

RT: 7.337 min Scan# 1994

Delta R.T. 0.002 min

Lab File: VN070533.D

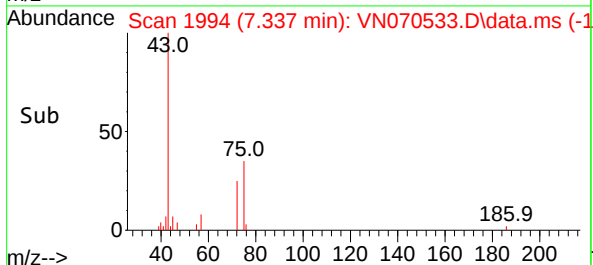
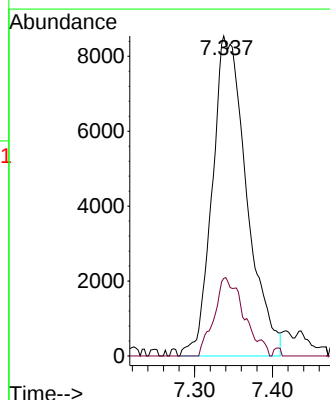
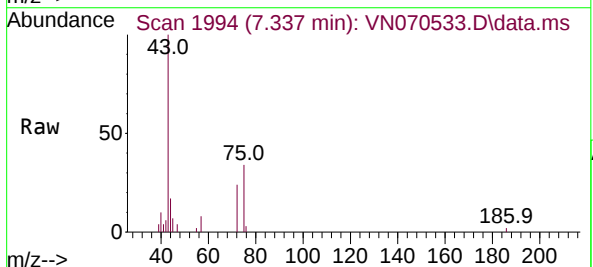
Acq: 6 Jan 2022 21:06

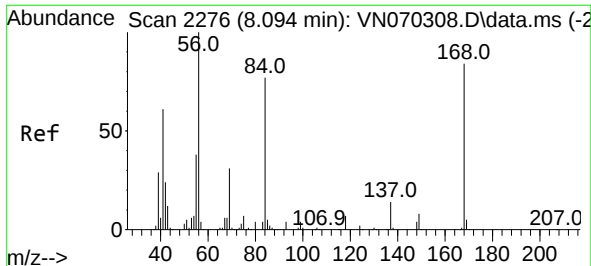
Tgt Ion: 43 Resp: 26200

Ion Ratio Lower Upper

43 100

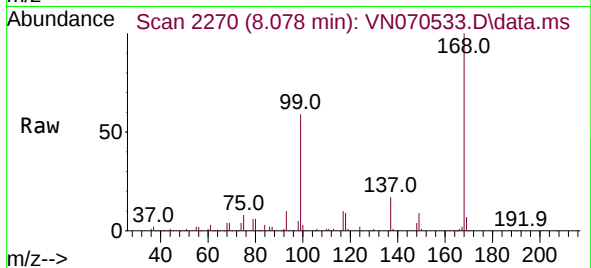
72 24.3 21.7 32.5



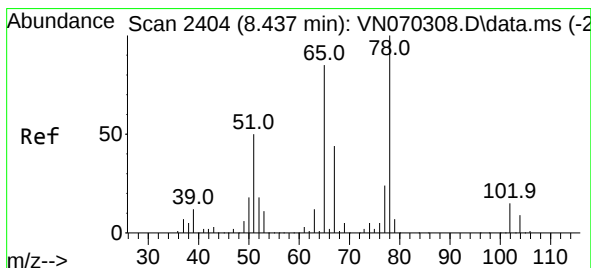
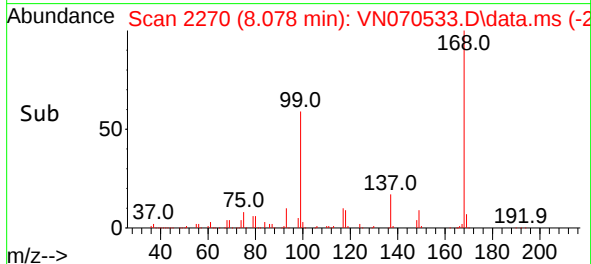
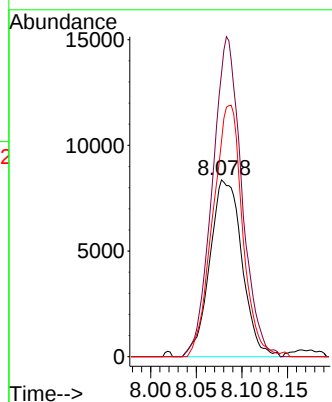


#31
Cyclohexane
Concen: 1.035 ug/l
RT: 8.078 min Scan# 21
Delta R.T. -0.016 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

Instrument :
MSVOA_N
ClientSampleId :

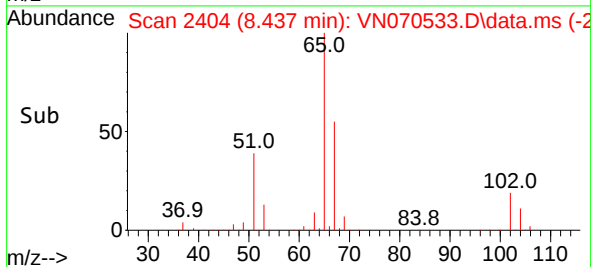
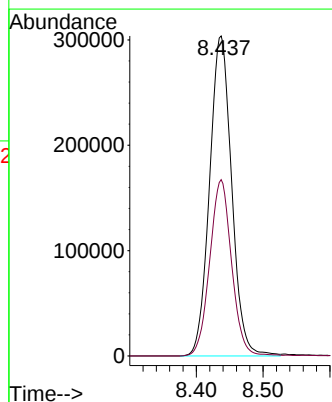
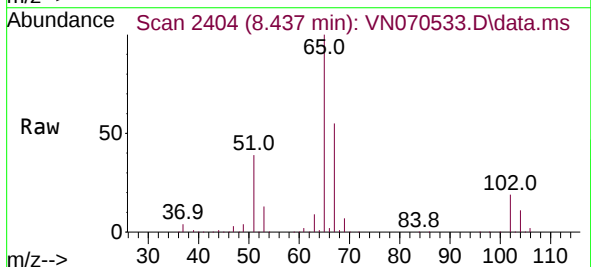


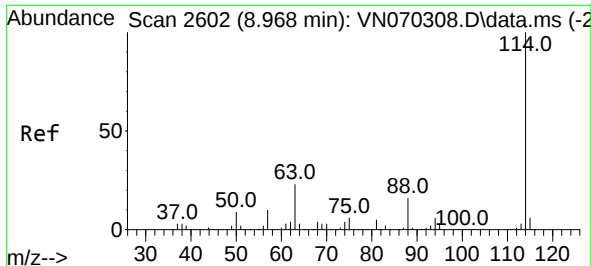
Tgt Ion: 56 Resp: 20477
Ion Ratio Lower Upper
56 100
69 160.1 27.1 40.7#
84 121.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 55.773 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

Tgt Ion: 65 Resp: 699221
Ion Ratio Lower Upper
65 100
67 54.4 0.0 103.0

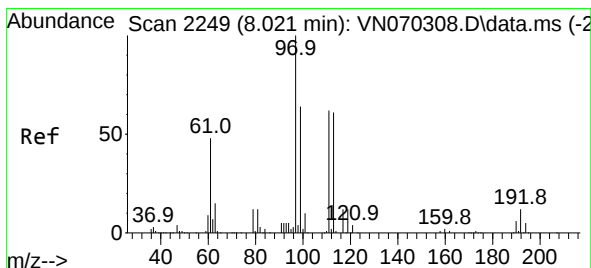
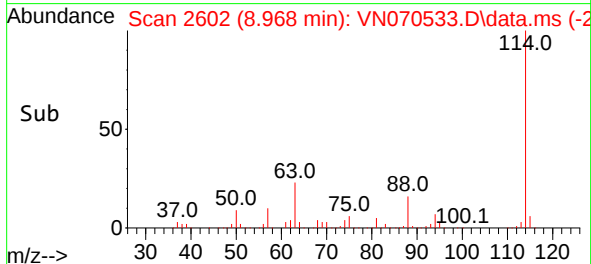
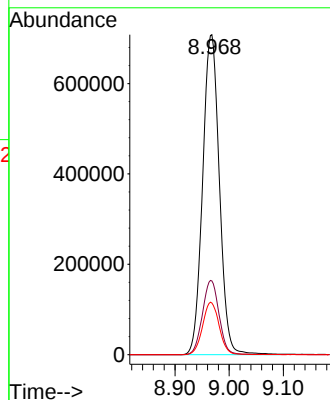
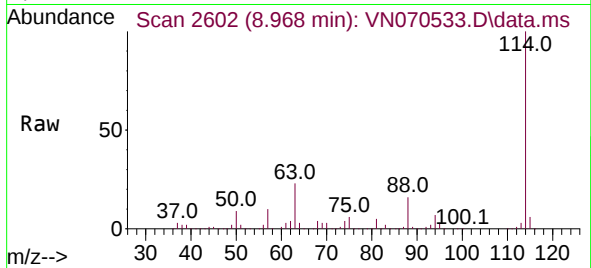




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

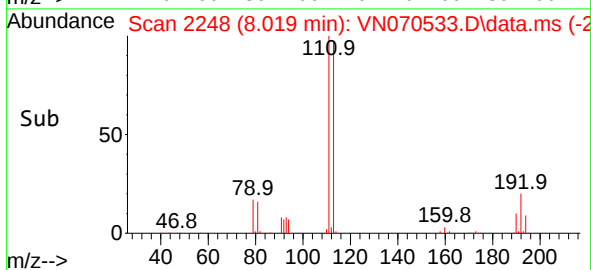
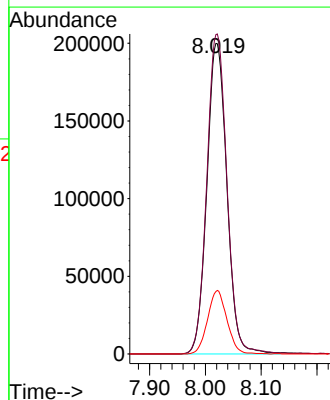
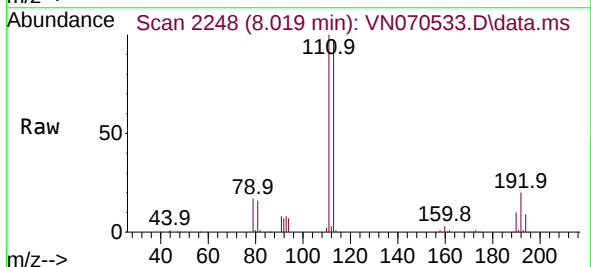
Instrument :
MSVOA_N
ClientSampleId :

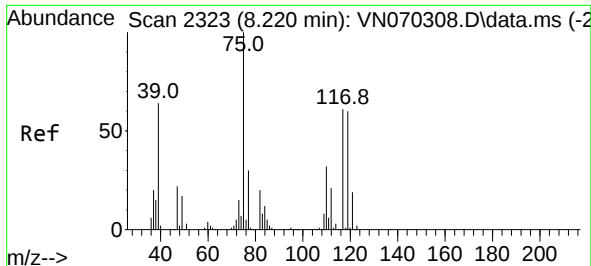
Tgt Ion:114 Resp: 1522440
Ion Ratio Lower Upper
114 100
63 23.1 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 54.122 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.002 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

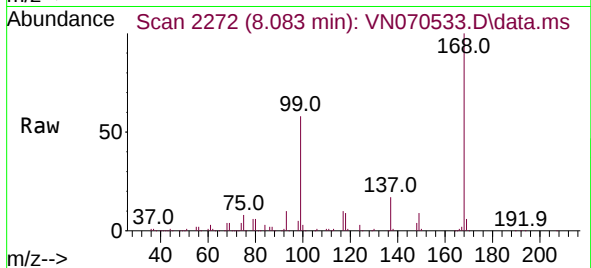
Tgt Ion:113 Resp: 498546
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 19.8 16.9 25.3



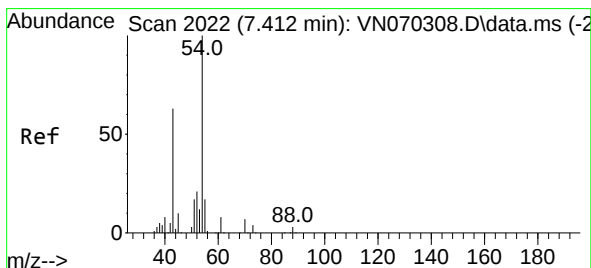
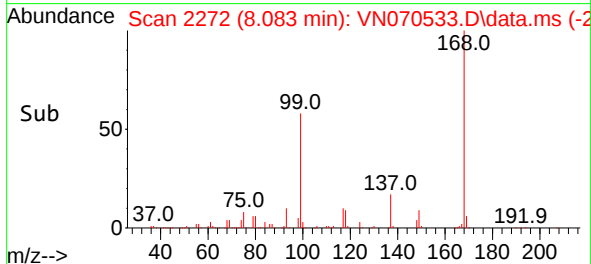
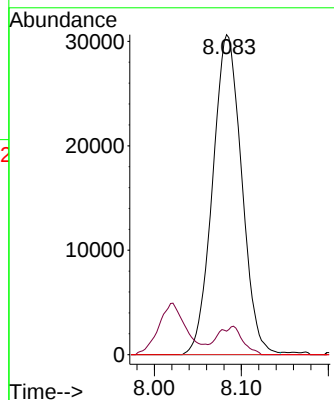


#36
1,1-Dichloropropene
Concen: 4.664 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

Instrument :
MSVOA_N
ClientSampleId :

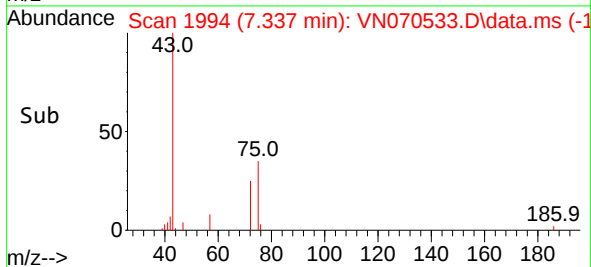
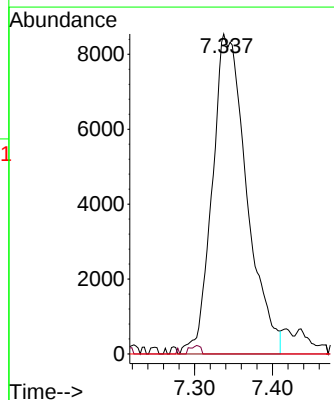
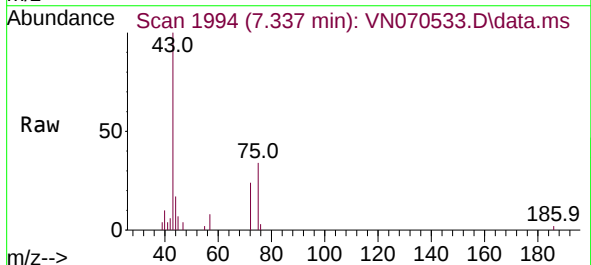


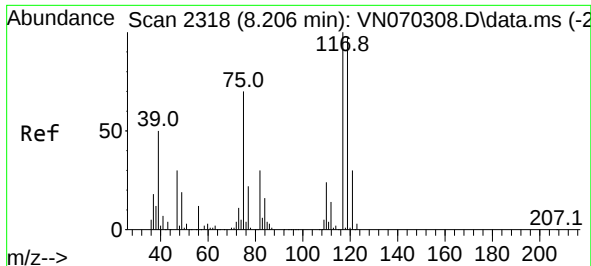
Tgt Ion: 75 Resp: 71078
Ion Ratio Lower Upper
75 100
110 7.7 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.326 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. -0.075 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

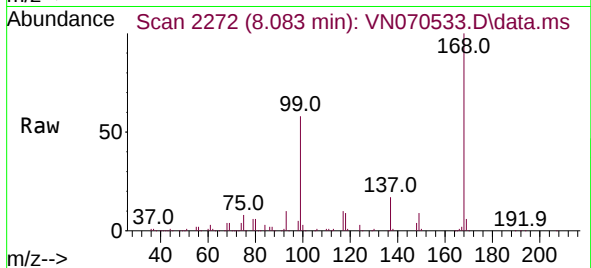
Tgt Ion: 43 Resp: 26200
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



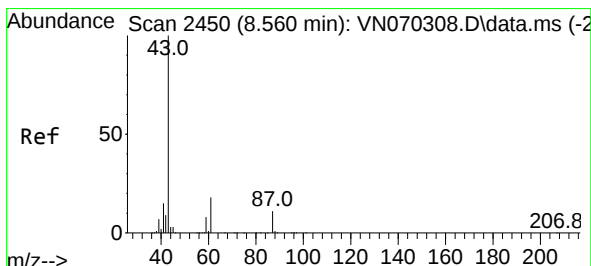
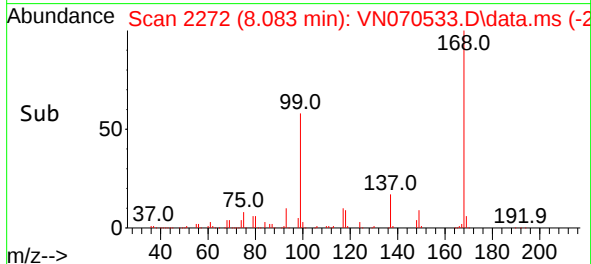
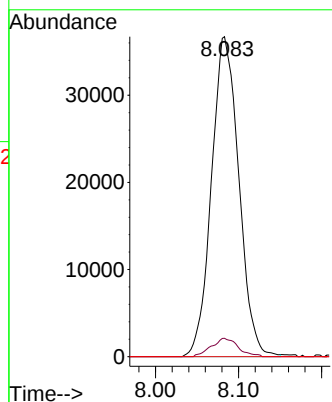


#38
Carbon Tetrachloride
Concen: 5.774 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.123 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

Instrument :
MSVOA_N
ClientSampleId :

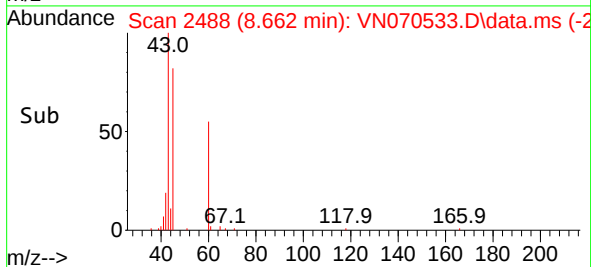
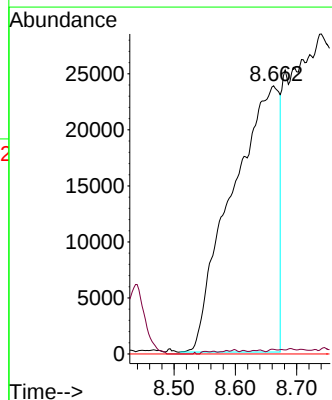
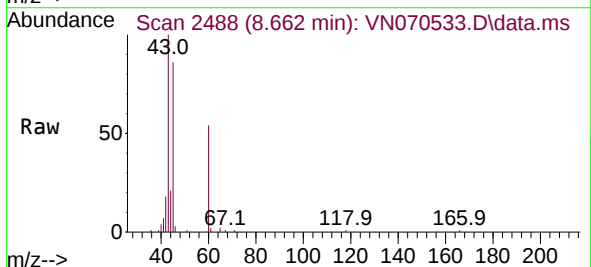


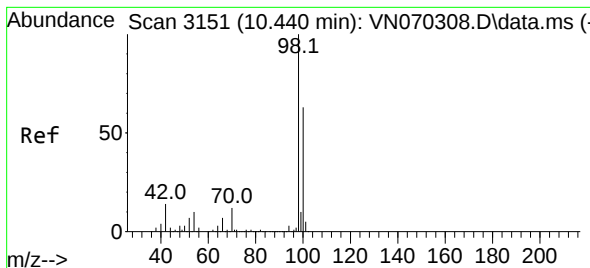
Tgt Ion:117 Resp: 84016
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.070 ug/l
RT: 8.662 min Scan# 2488
Delta R.T. 0.102 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

Tgt Ion: 43 Resp: 126735
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#





#50

Toluene-d8

Concen: 53.292 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN070533.D

Acq: 6 Jan 2022 21:06

Instrument :

MSVOA_N

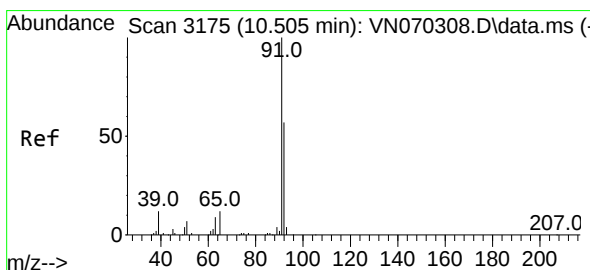
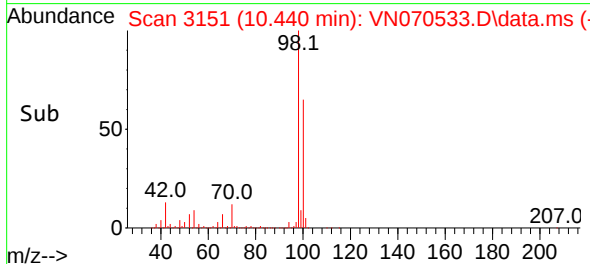
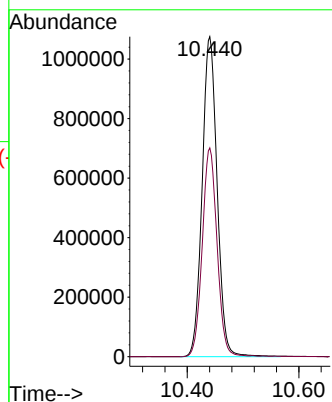
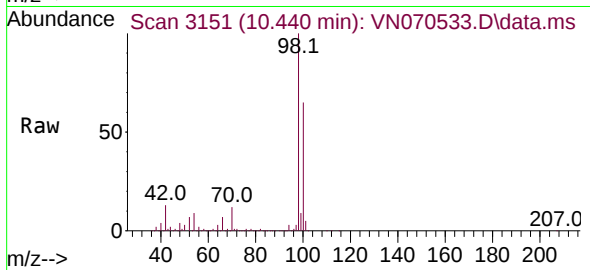
ClientSampleId :

Tgt Ion: 98 Resp: 2005360

Ion Ratio Lower Upper

98 100

100 64.3 50.4 75.6



#52

Toluene

Concen: 0.628 ug/l

RT: 10.507 min Scan# 3176

Delta R.T. 0.002 min

Lab File: VN070533.D

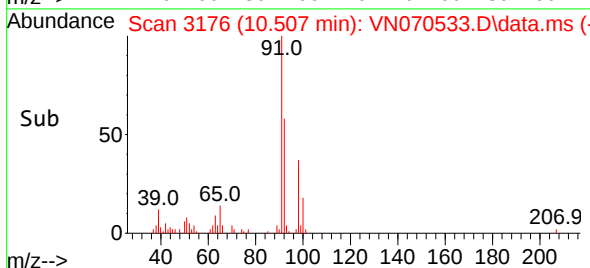
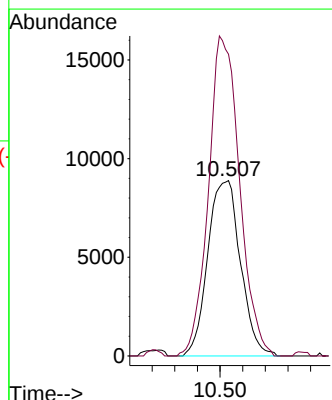
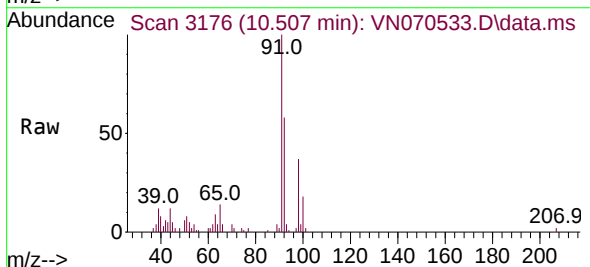
Acq: 6 Jan 2022 21:06

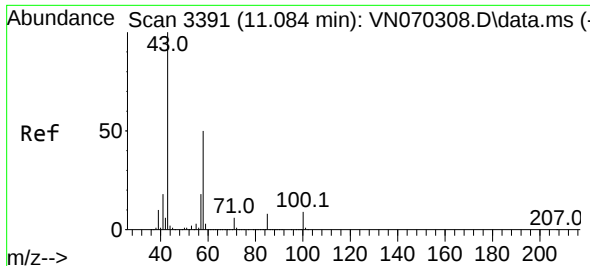
Tgt Ion: 92 Resp: 17766

Ion Ratio Lower Upper

92 100

91 174.0 142.0 213.0

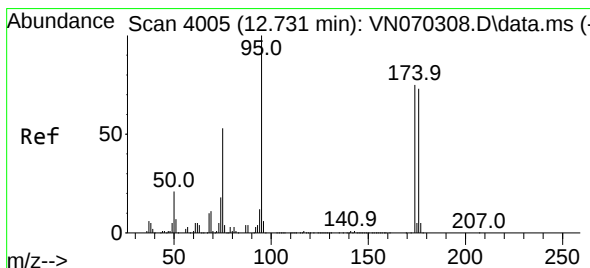
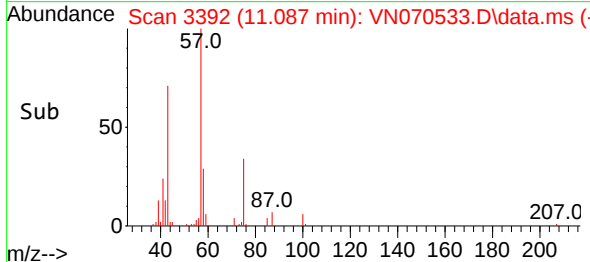
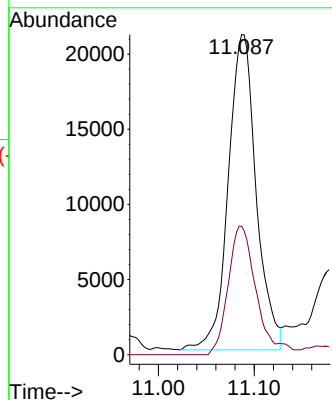
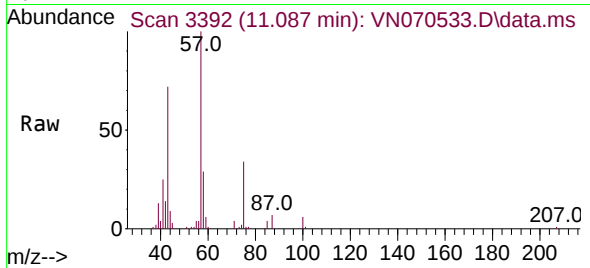




#59
2-Hexanone
Concen: 2.985 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

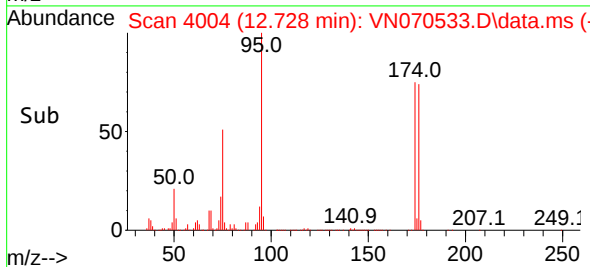
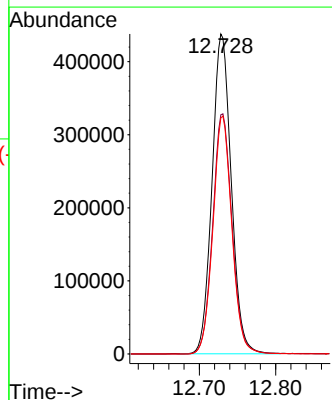
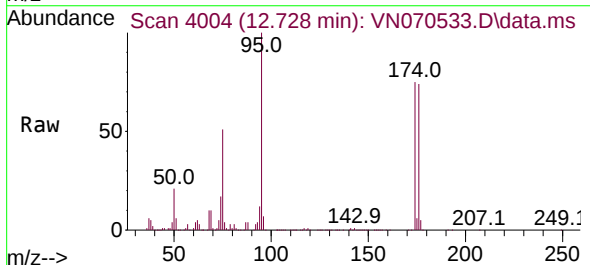
Instrument :
MSVOA_N
ClientSampleId :

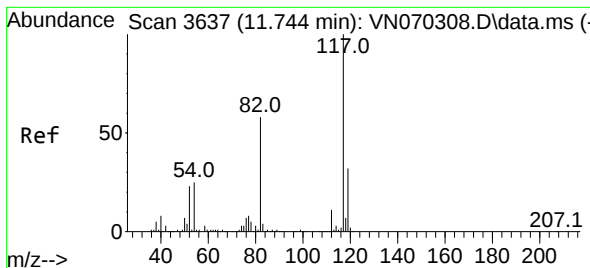
Tgt Ion: 43 Resp: 42595
Ion Ratio Lower Upper
43 100
58 39.3 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 56.349 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

Tgt Ion: 95 Resp: 765855
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.3 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.000 min

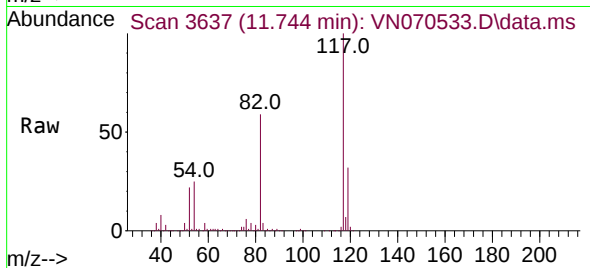
Lab File: VN070533.D

Acq: 6 Jan 2022 21:06

Instrument :

MSVOA_N

ClientSampleId :



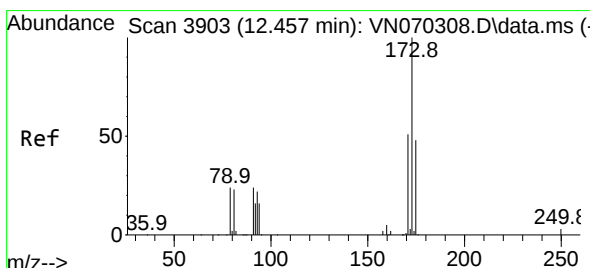
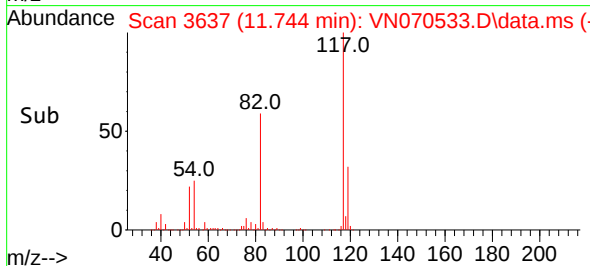
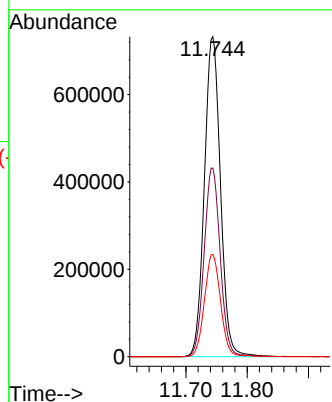
Tgt Ion:117 Resp: 1337074

Ion Ratio Lower Upper

117 100

82 59.0 42.4 63.6

119 32.0 25.4 38.2



#71

Bromoform

Concen: 0.275 ug/l

RT: 12.723 min Scan# 4002

Delta R.T. 0.266 min

Lab File: VN070533.D

Acq: 6 Jan 2022 21:06

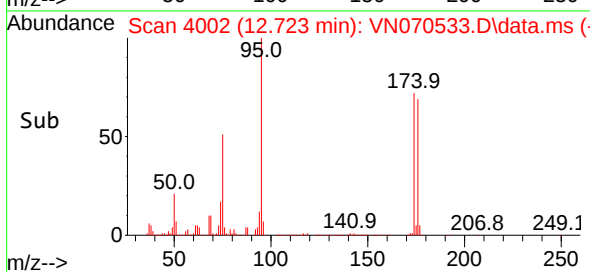
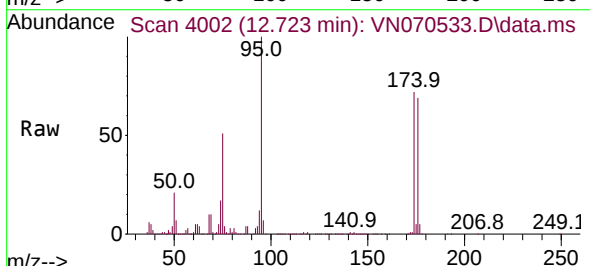
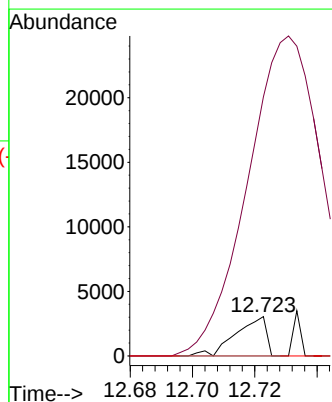
Tgt Ion:173 Resp: 2067

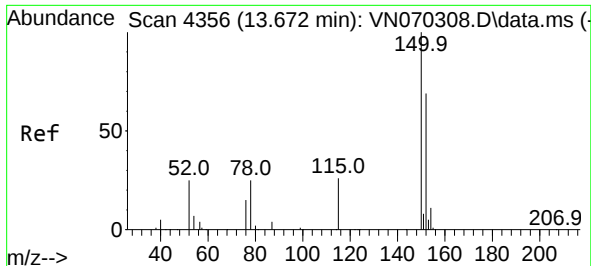
Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

254 0.0 0.0 0.0

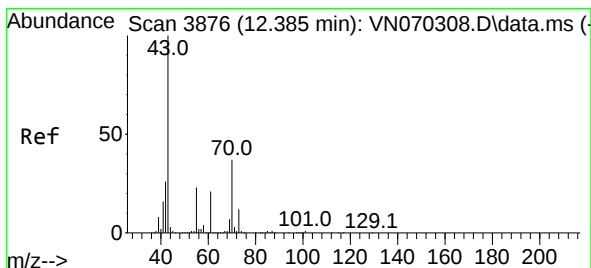
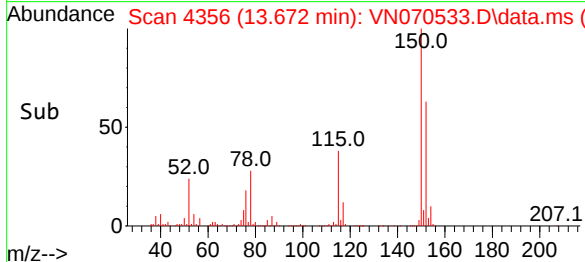
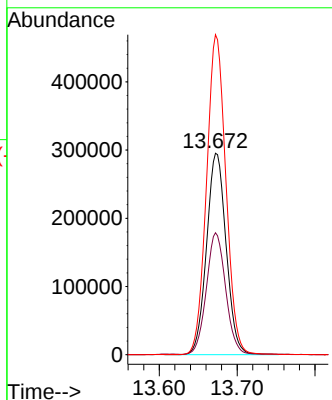
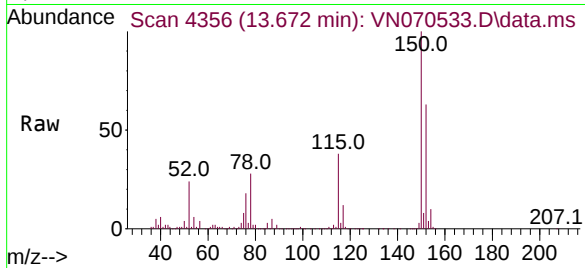




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

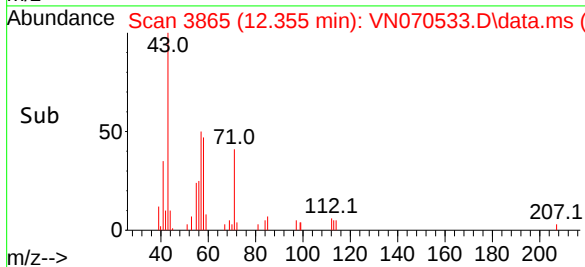
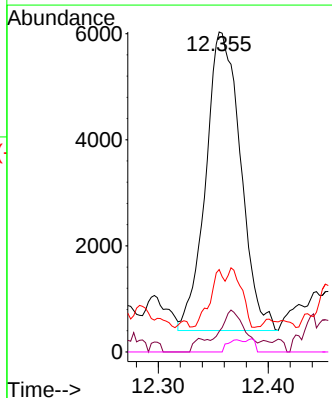
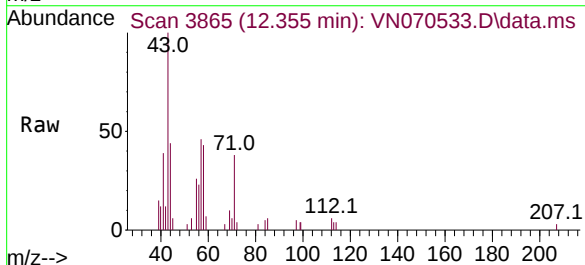
Instrument :
MSVOA_N
ClientSampleId :

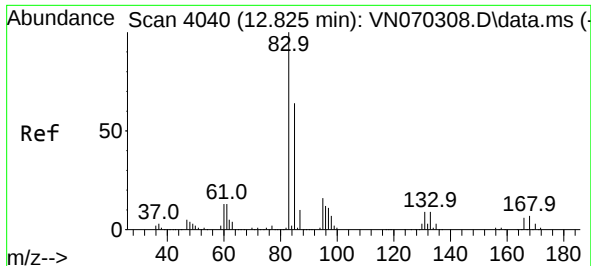
Tgt Ion:152 Resp: 516851
Ion Ratio Lower Upper
152 100
115 59.4 27.5 82.5
150 156.3 0.0 344.4



#74
N-ethyl acetate
Concen: 0.612 ug/l
RT: 12.355 min Scan# 3865
Delta R.T. -0.030 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

Tgt Ion: 43 Resp: 12346
Ion Ratio Lower Upper
43 100
70 7.2 33.4 50.0#
55 8.1 19.3 28.9#
61 1.8 18.5 27.7#

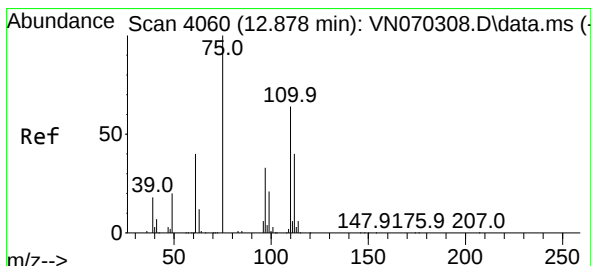
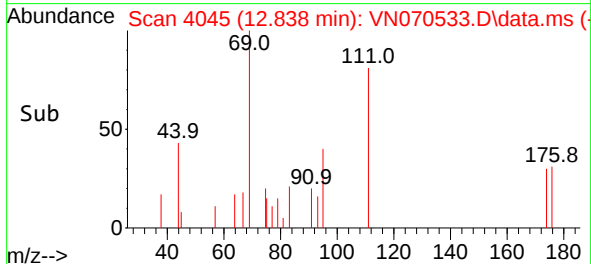
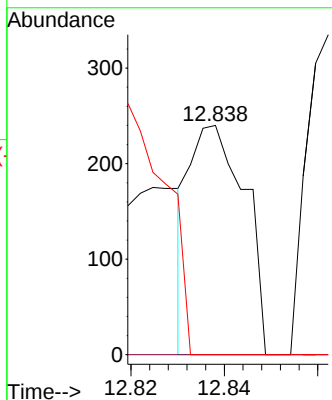
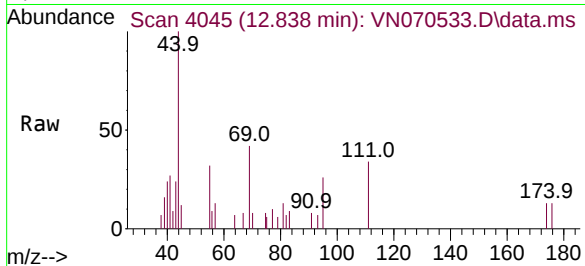




#75
1,1,2,2-Tetrachloroethane
Concen: 0.458 ug/l
RT: 12.838 min Scan# 4040
Delta R.T. 0.013 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

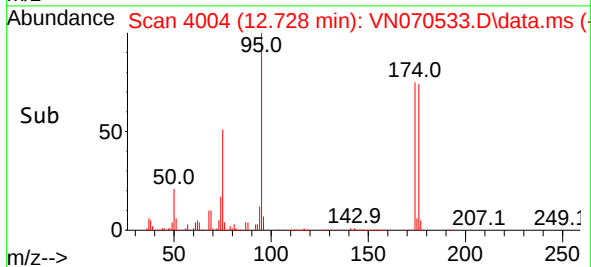
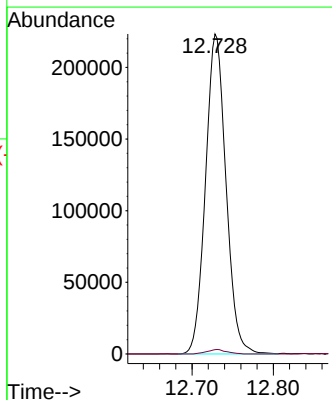
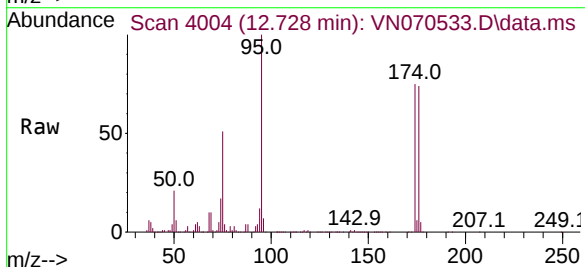
Instrument :
MSVOA_N
ClientSampleId :

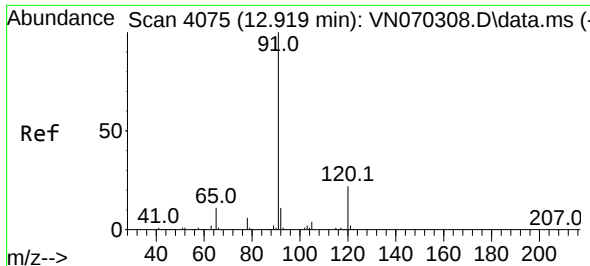
Tgt Ion: 83 Resp: 197
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.875 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

Tgt Ion: 75 Resp: 390760
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

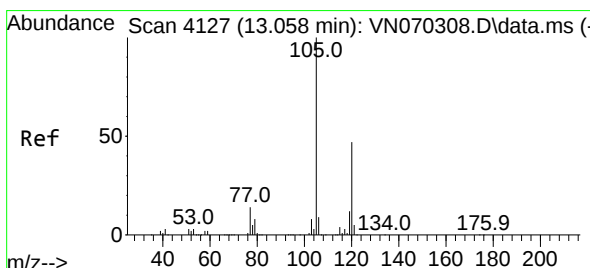
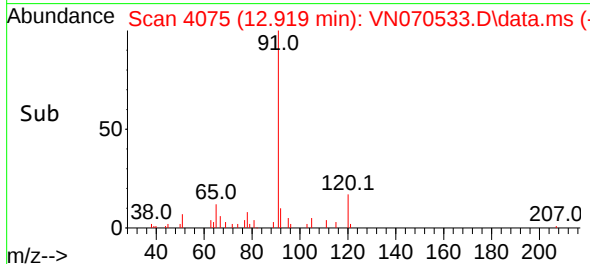
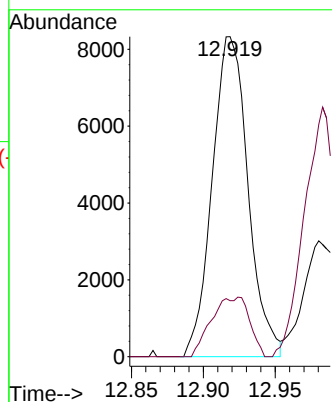
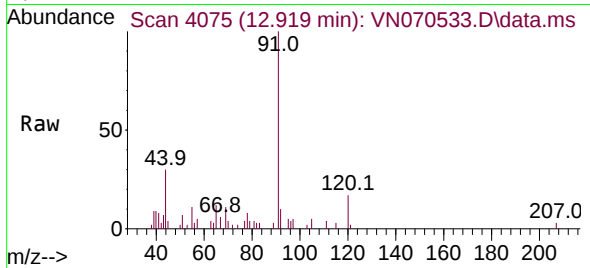




#78
n-propylbenzene
Concen: 0.272 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

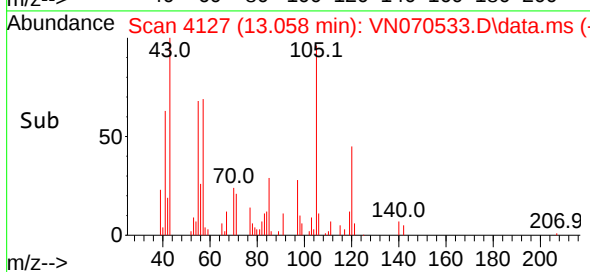
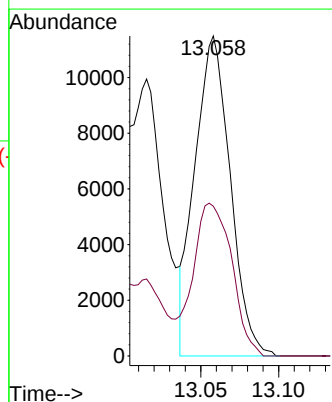
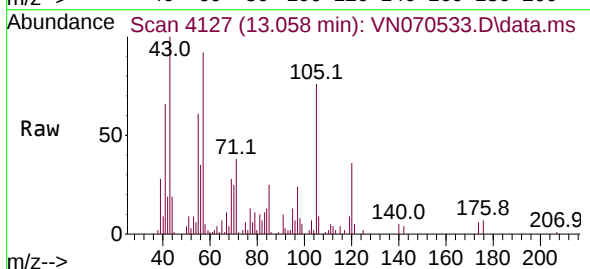
Instrument :
MSVOA_N
ClientSampleId :

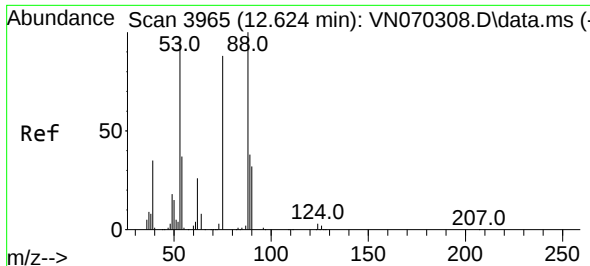
Tgt Ion: 91 Resp: 14443
Ion Ratio Lower Upper
91 100
120 10.7 11.9 35.9#



#80
1,3,5-Trimethylbenzene
Concen: 0.473 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

Tgt Ion: 105 Resp: 18184
Ion Ratio Lower Upper
105 100
120 52.3 24.6 73.6

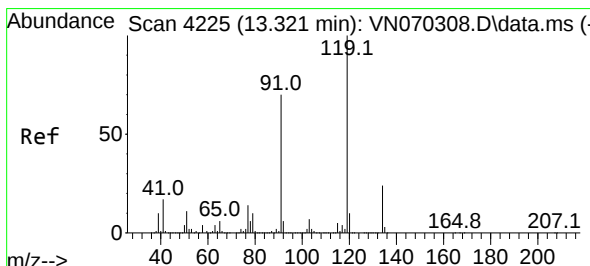
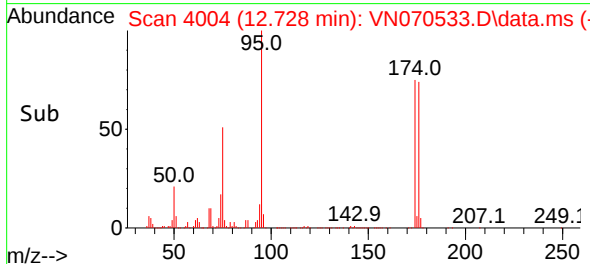
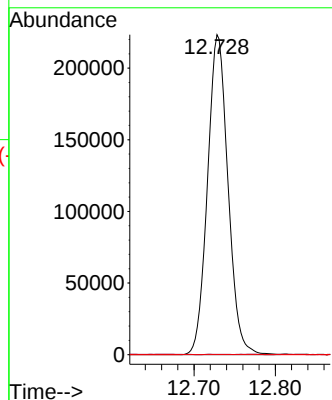
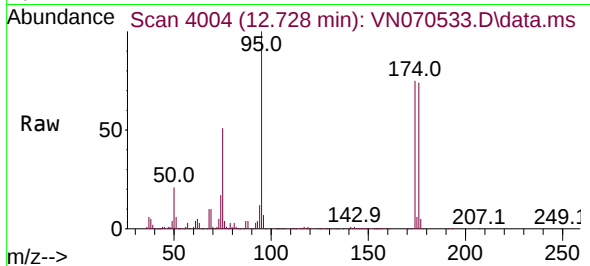




#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.371 ug/l
 RT: 12.728 min Scan# 4004
 Delta R.T. 0.104 min
 Lab File: VN070533.D
 Acq: 6 Jan 2022 21:06

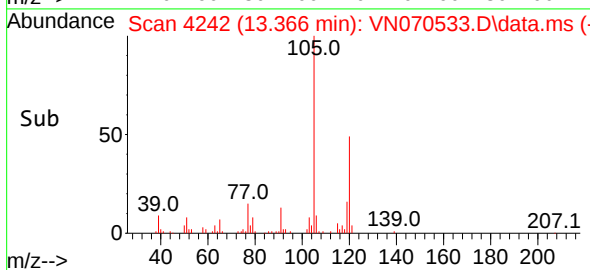
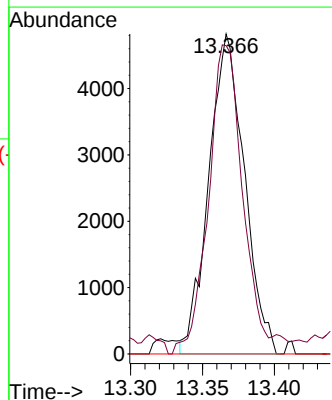
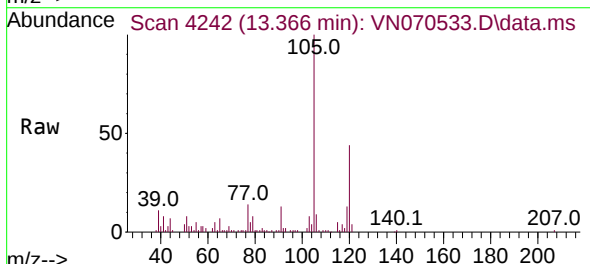
Instrument :
 MSVOA_N
 ClientSampleId :

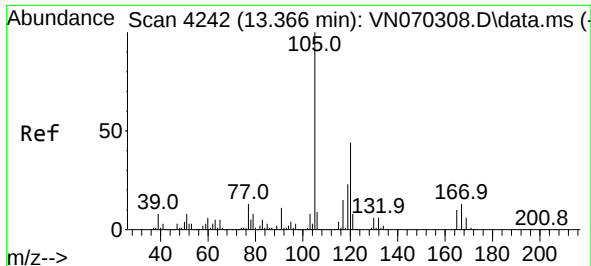
Tgt Ion: 75 Resp: 390760
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



#83
 tert-Butylbenzene
 Concen: 0.245 ug/l
 RT: 13.366 min Scan# 4242
 Delta R.T. 0.045 min
 Lab File: VN070533.D
 Acq: 6 Jan 2022 21:06

Tgt Ion: 119 Resp: 8293
 Ion Ratio Lower Upper
 119 100
 91 92.5 31.5 94.5
 134 0.0 12.4 37.4#

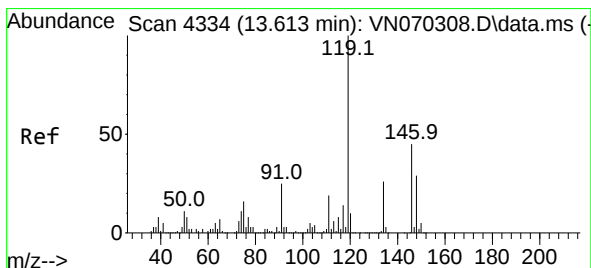
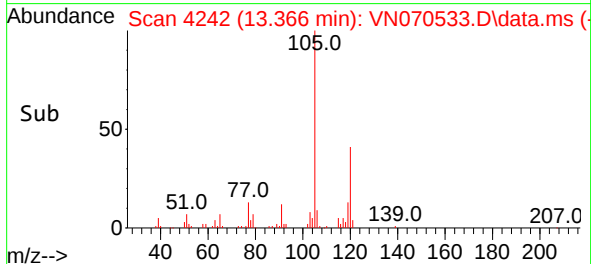
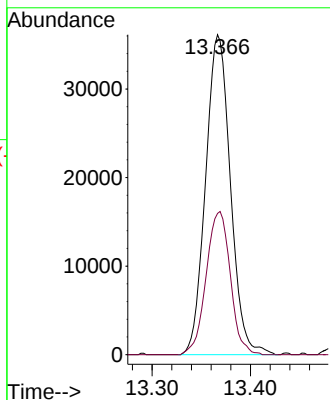
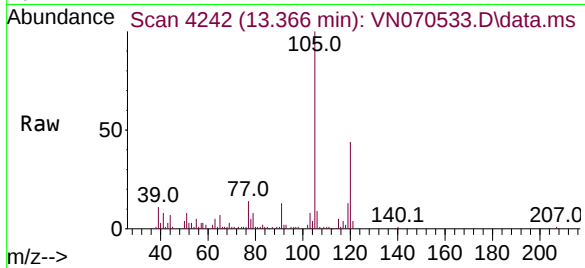




#84
1,2,4-Trimethylbenzene
Concen: 1.713 ug/l
RT: 13.366 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

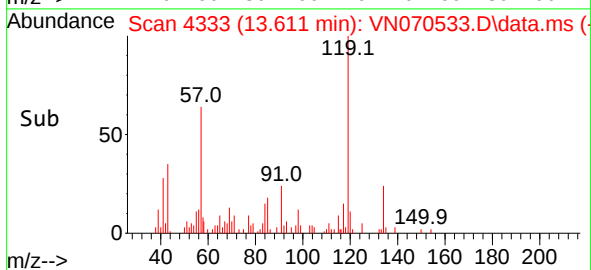
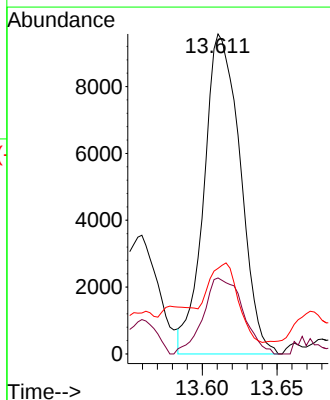
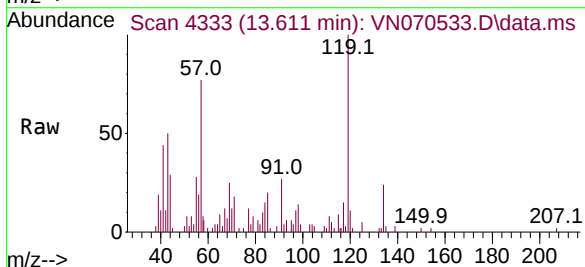
Instrument :
MSVOA_N
ClientSampleId :

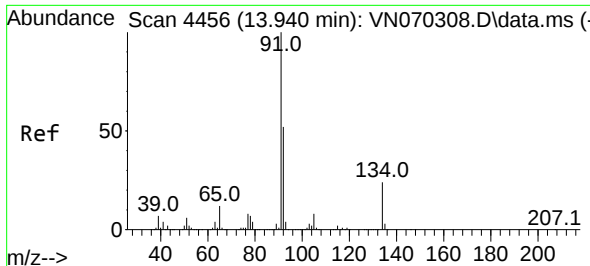
Tgt Ion:105 Resp: 63458
Ion Ratio Lower Upper
105 100
120 43.5 22.8 68.4



#86
p-Isopropyltoluene
Concen: 0.447 ug/l
RT: 13.611 min Scan# 4333
Delta R.T. -0.002 min
Lab File: VN070533.D
Acq: 6 Jan 2022 21:06

Tgt Ion:119 Resp: 16133
Ion Ratio Lower Upper
119 100
134 25.9 13.6 40.7
91 22.0 11.4 34.1





#89

n-Butylbenzene

Concen: 0.338 ug/l

RT: 13.940 min Scan# 4456

Delta R.T. 0.000 min

Lab File: VN070533.D

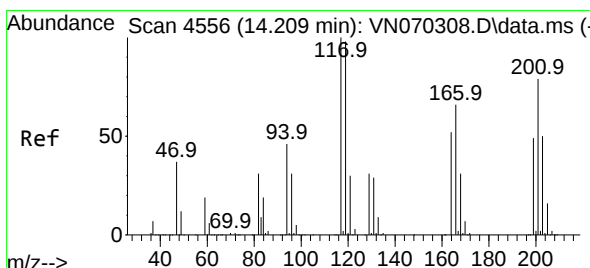
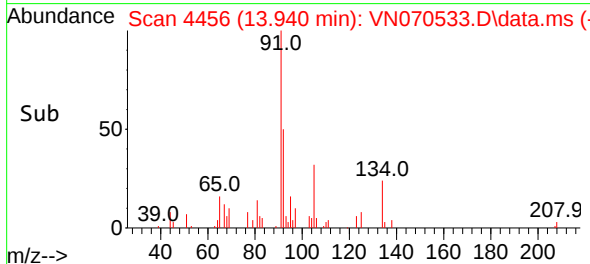
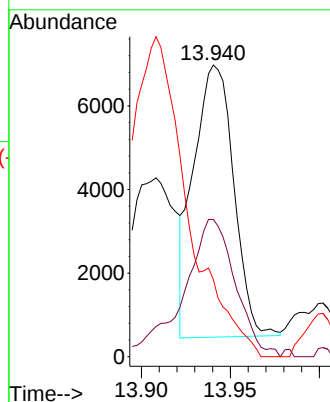
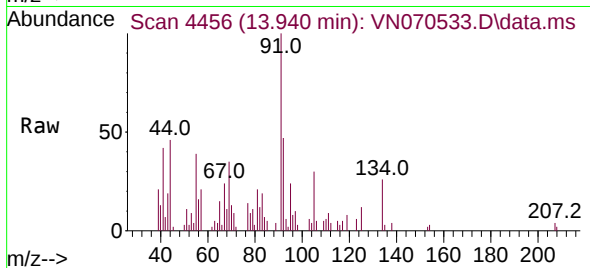
Acq: 6 Jan 2022 21:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp: 10185
Ion Ratio	Lower Upper
91	100
92	65.3 25.4 76.0
134	0.0 13.6 40.8#



#90

Hexachloroethane

Concen: 1.006 ug/l

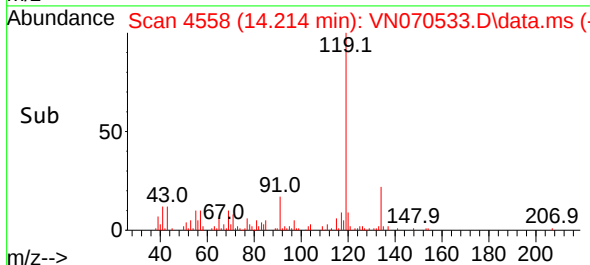
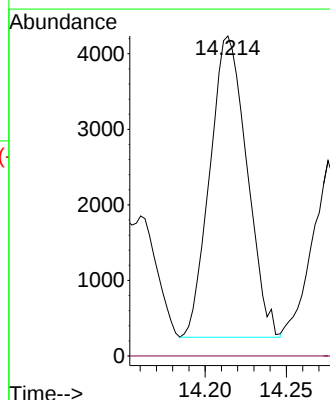
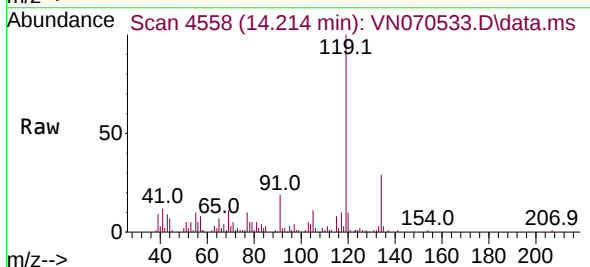
RT: 14.214 min Scan# 4558

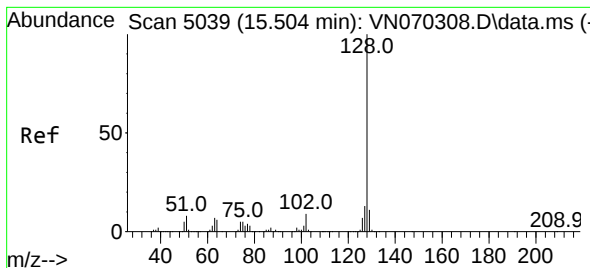
Delta R.T. 0.005 min

Lab File: VN070533.D

Acq: 6 Jan 2022 21:06

Tgt Ion: 117	Resp: 6314
Ion Ratio	Lower Upper
117	100
201	0.0 43.9 131.6#





#95

Naphthalene

Concen: 6.250 ug/l

RT: 15.504 min Scan# 5039

Delta R.T. -0.000 min

Lab File: VN070533.D

Acq: 6 Jan 2022 21:06

Instrument :

MSVOA_N

ClientSampleId :

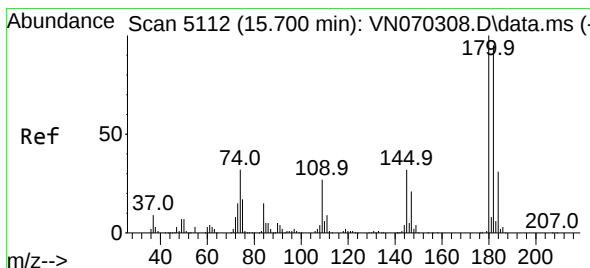
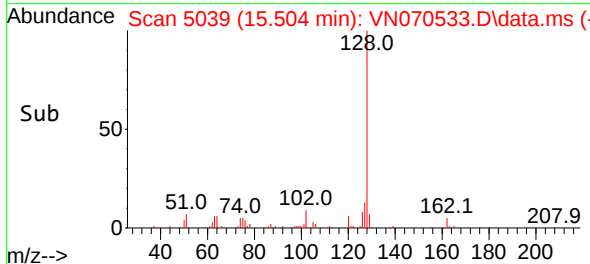
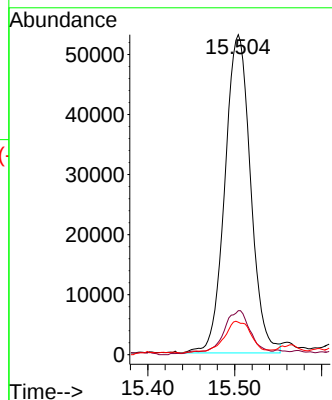
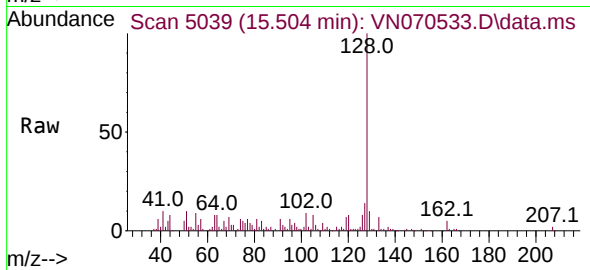
Tgt Ion:128 Resp: 108774

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.899 ug/l

RT: 15.710 min Scan# 5116

Delta R.T. 0.010 min

Lab File: VN070533.D

Acq: 6 Jan 2022 21:06

Tgt Ion:180 Resp: 603

Ion Ratio Lower Upper

180 100

182 79.3 47.4 142.2

145 1266.8 15.0 45.1#

