

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
 Data File : VN070476.D
 Acq On : 4 Jan 2022 20:30
 Operator : JC/MD
 Sample : N1012-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 05 03:22:18 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

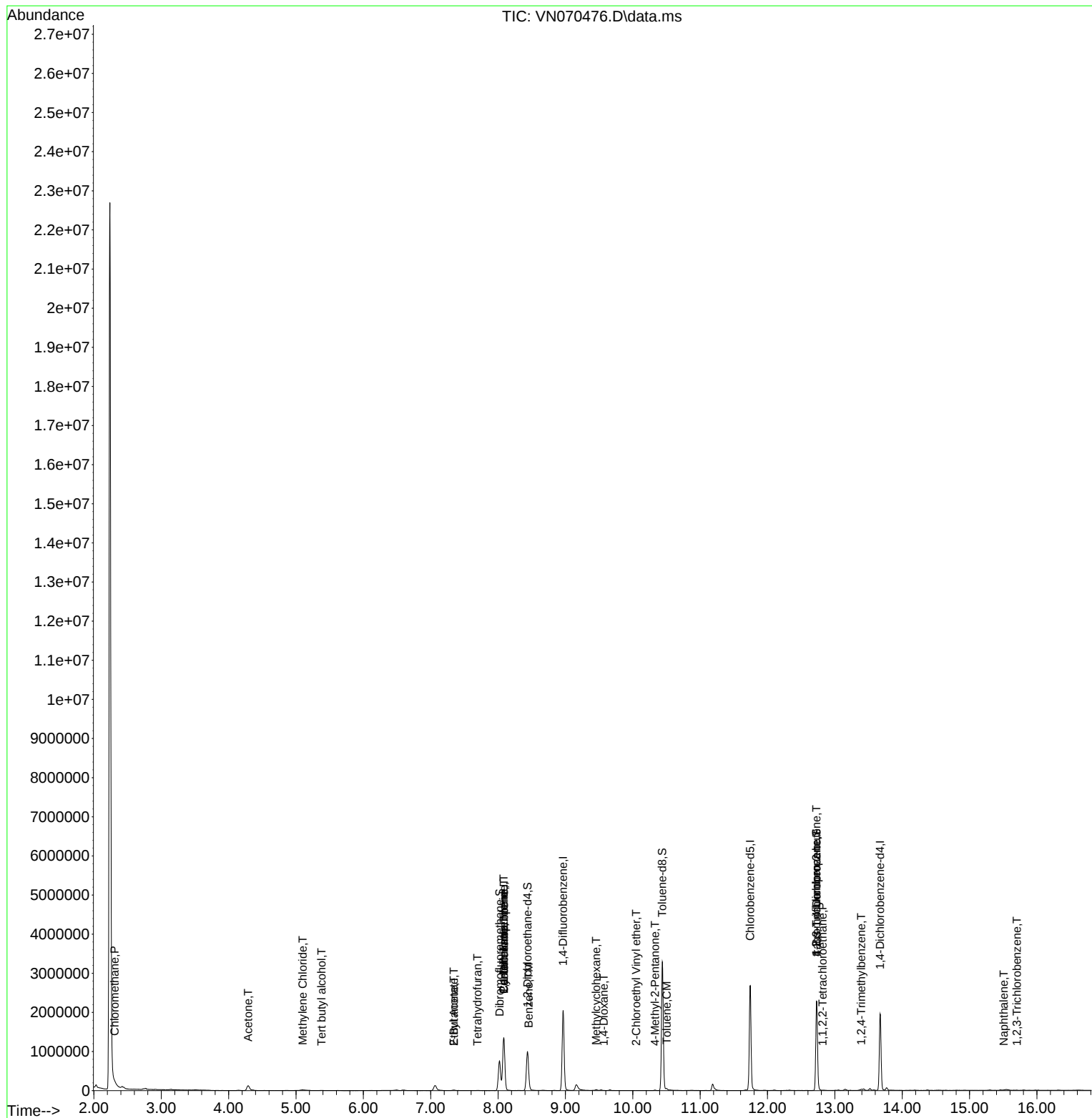
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1043324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1755623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1558453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	548614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	819127	54.605	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.200%	
35) Dibromofluoromethane	8.021	113	563387	53.038	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 106.080%	
50) Toluene-d8	10.438	98	2294271	52.871	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.740%	
62) 4-Bromofluorobenzene	12.728	95	834637	53.254	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 106.500%	
Target Compounds						Qvalue
3) Chloromethane	2.306	50	5833	0.362	ug/l #	80
11) Tert butyl alcohol	5.380	59	5324	2.132	ug/l #	93
16) Acetone	4.291	43	241142	24.763	ug/l	100
20) Methylene Chloride	5.098	84	9418	0.699	ug/l #	83
25) 2-Butanone	7.343	43	23538	1.920	ug/l	97
29) Tetrahydrofuran	7.694	42	4444	0.607	ug/l #	48
31) Cyclohexane	8.086	56	30340	1.282	ug/l #	24
36) 1,1-Dichloropropene	8.086	75	85148	4.846	ug/l #	48
37) Ethyl Acetate	7.343	43	23538	1.033	ug/l #	68
38) Carbon Tetrachloride	8.083	117	101614	6.056	ug/l #	15
39) Methylcyclohexane	9.456	83	8117	0.382	ug/l #	80
40) Benzene	8.456	78	43725	0.812	ug/l	98
49) 1,4-Dioxane	9.571	88	104	0.415	ug/l #	27
51) 4-Methyl-2-Pentanone	10.328	43	8769	0.389	ug/l	95
52) Toluene	10.505	92	14029	0.430	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.052	63	25	18.517	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.819	83	131	0.454	ug/l #	25
76) 1,2,3-Trichloropropane	12.728	75	440332	28.363	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	440332	98.062	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.391	105	13189	0.335	ug/l #	31
95) Naphthalene	15.507	128	8363	2.119	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.702	180	299	0.860	ug/l #	57

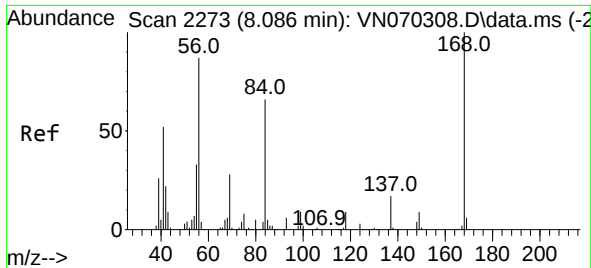
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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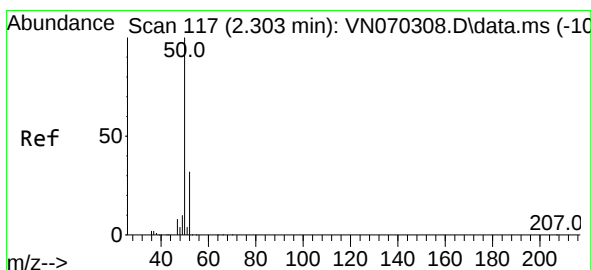
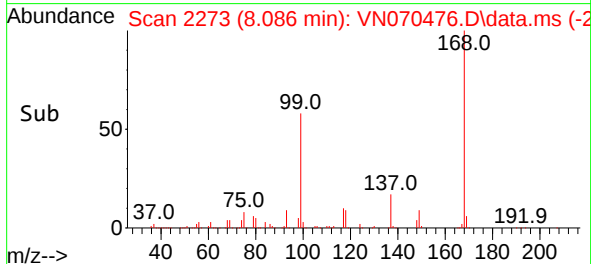
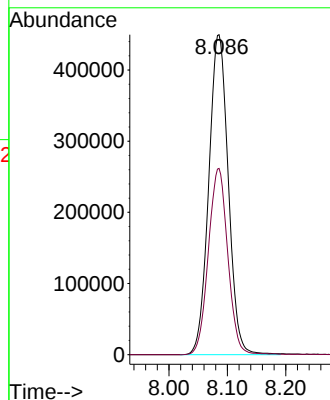
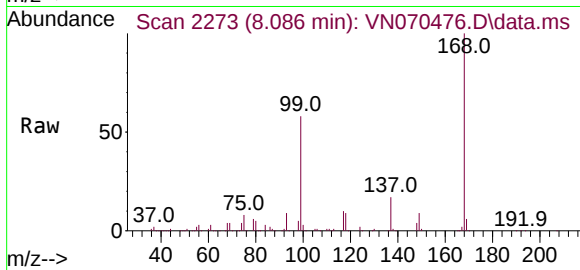




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

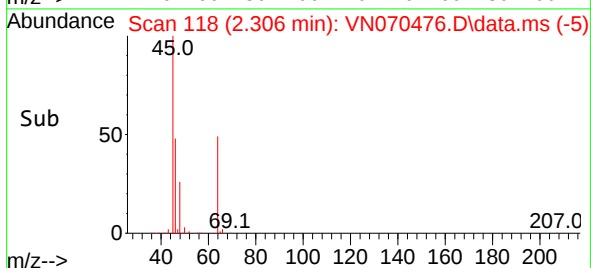
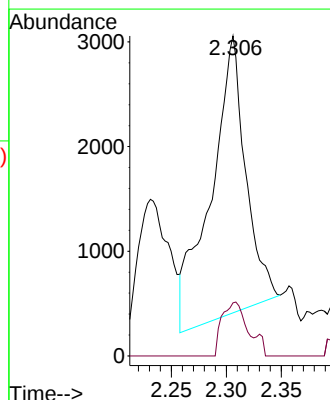
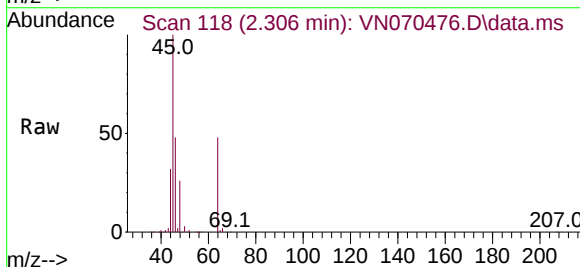
Instrument :
MSVOA_N
ClientSampleId :

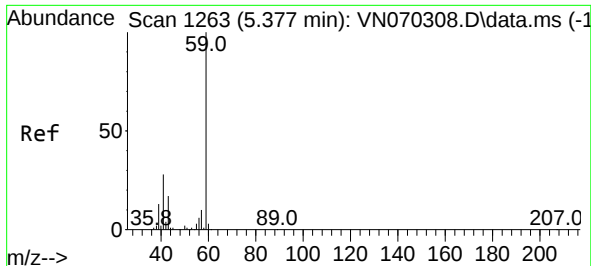
Tgt Ion:168 Resp: 1043324
Ion Ratio Lower Upper
168 100
99 58.2 41.3 61.9



#3
Chloromethane
Concen: 0.362 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

Tgt Ion: 50 Resp: 5833
Ion Ratio Lower Upper
50 100
52 20.5 25.4 38.0#





#11

Tert butyl alcohol

Concen: 2.132 ug/l

RT: 5.380 min Scan# 11

Delta R.T. 0.003 min

Lab File: VN070476.D

Acq: 4 Jan 2022 20:30

Instrument :

MSVOA_N

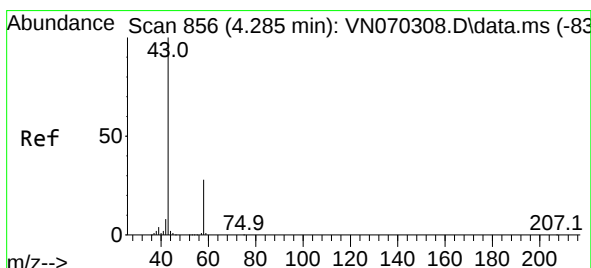
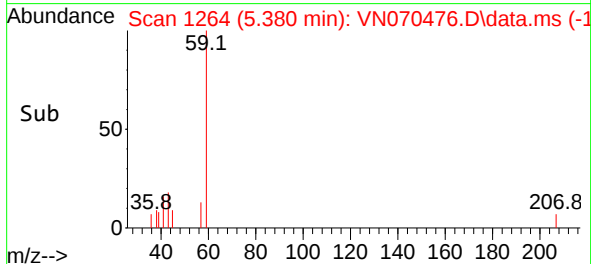
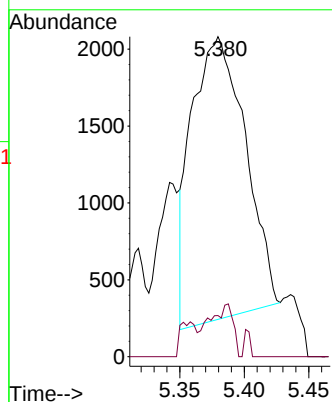
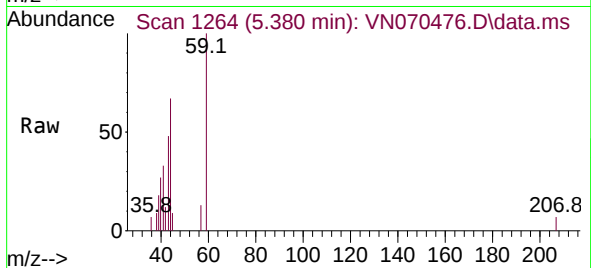
ClientSampleId :

Tgt Ion: 59 Resp: 5324

Ion Ratio Lower Upper

59 100

57 8.4 8.7 13.1#



#16

Acetone

Concen: 24.763 ug/l

RT: 4.291 min Scan# 858

Delta R.T. 0.006 min

Lab File: VN070476.D

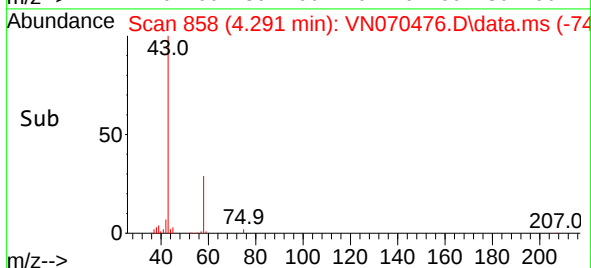
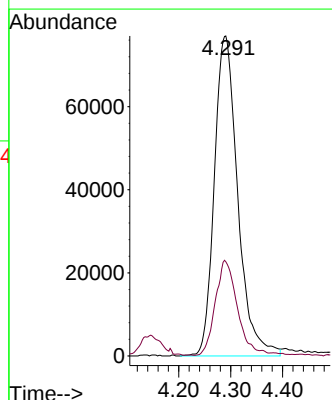
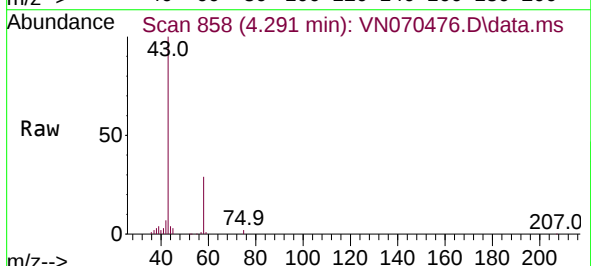
Acq: 4 Jan 2022 20:30

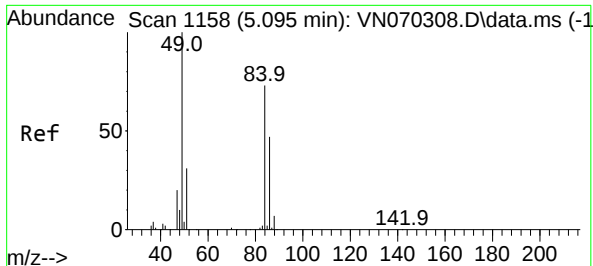
Tgt Ion: 43 Resp: 241142

Ion Ratio Lower Upper

43 100

58 28.9 23.1 34.7





#20

Methylene Chloride

Concen: 0.699 ug/l

RT: 5.098 min Scan# 1158

Delta R.T. 0.003 min

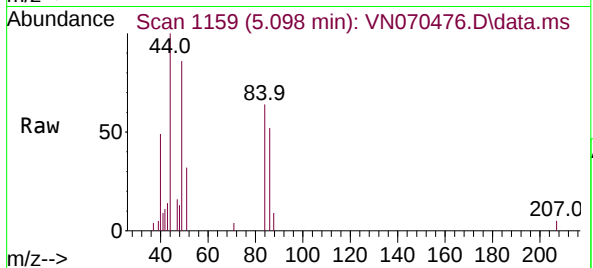
Lab File: VN070476.D

Acq: 4 Jan 2022 20:30

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 9418

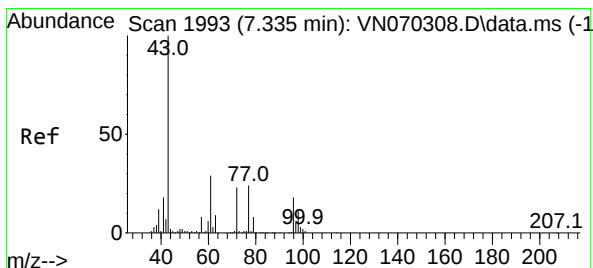
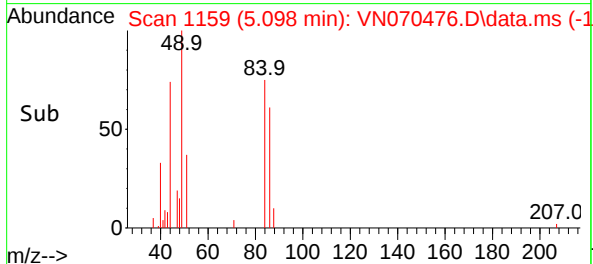
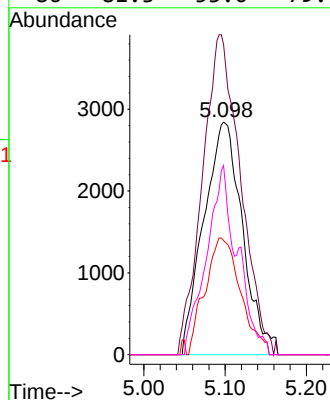
Ion Ratio Lower Upper

84 100

49 133.5 93.5 140.3

51 49.2 29.4 44.2#

86 81.3 53.0 79.4#



#25

2-Butanone

Concen: 1.920 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. 0.008 min

Lab File: VN070476.D

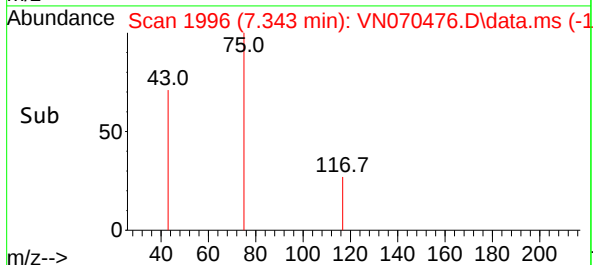
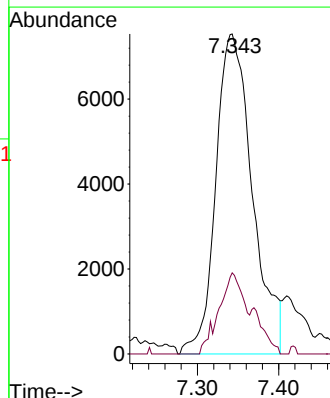
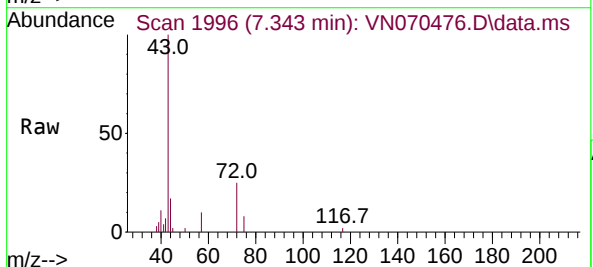
Acq: 4 Jan 2022 20:30

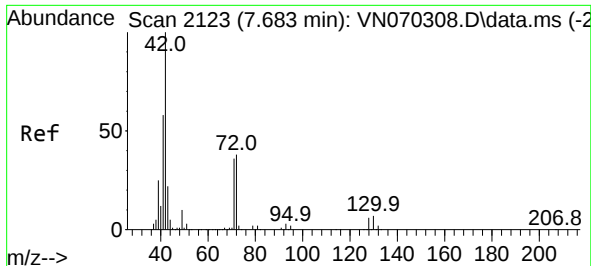
Tgt Ion: 43 Resp: 23538

Ion Ratio Lower Upper

43 100

72 25.3 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.607 ug/l

RT: 7.694 min Scan# 2127

Delta R.T. 0.011 min

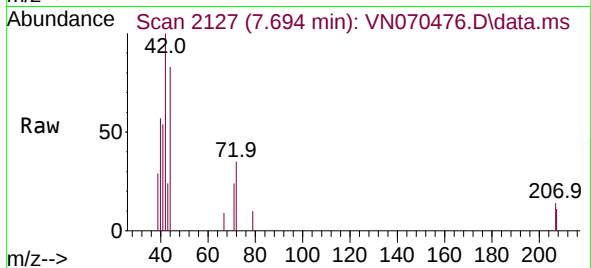
Lab File: VN070476.D

Acq: 4 Jan 2022 20:30

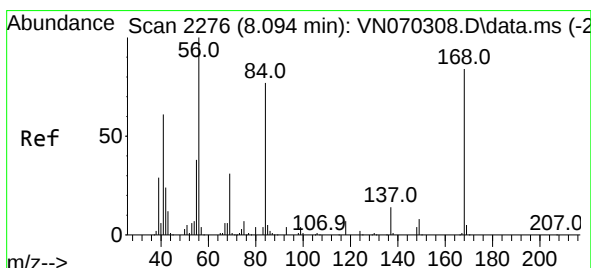
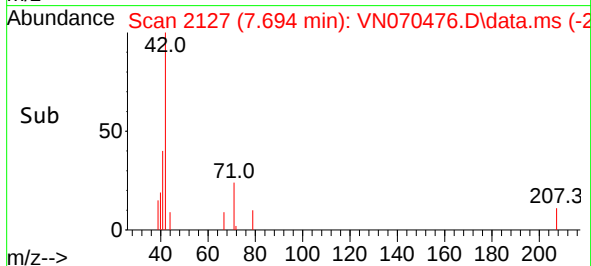
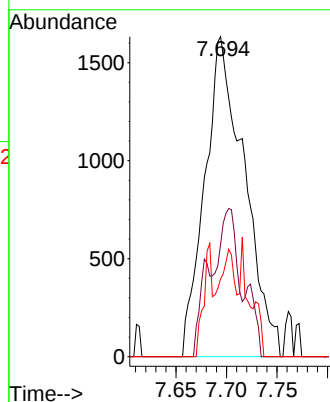
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	4444
Ion Ratio	Lower	Upper	
42	100		
72	13.1	36.3	54.5#
71	8.6	34.7	52.1#



#31

Cyclohexane

Concen: 1.282 ug/l

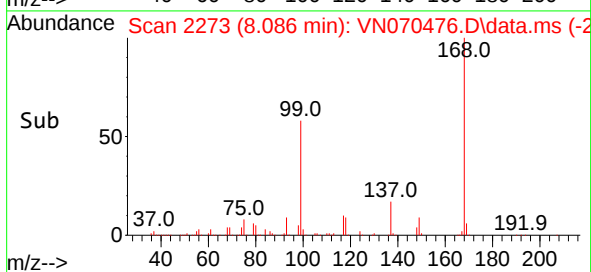
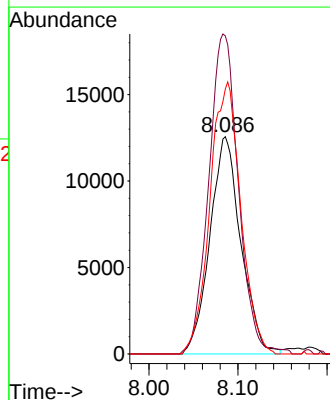
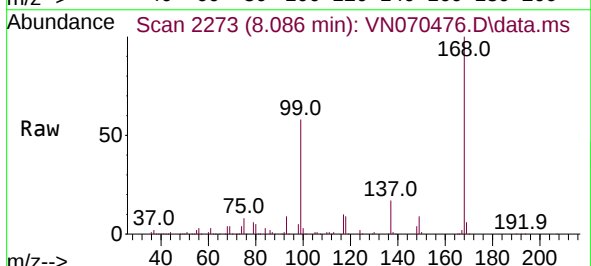
RT: 8.086 min Scan# 2273

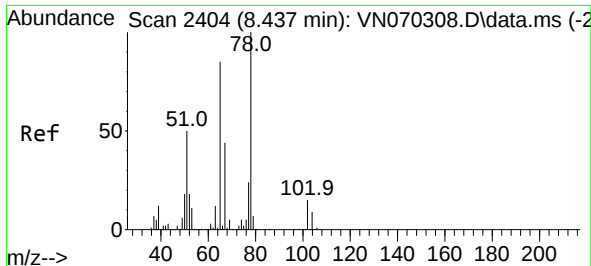
Delta R.T. -0.008 min

Lab File: VN070476.D

Acq: 4 Jan 2022 20:30

Tgt Ion:	56	Resp:	30340
Ion Ratio	Lower	Upper	
56	100		
69	146.4	27.1	40.7#
84	121.9	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 54.605 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070476.D

Acq: 4 Jan 2022 20:30

Instrument :

MSVOA_N

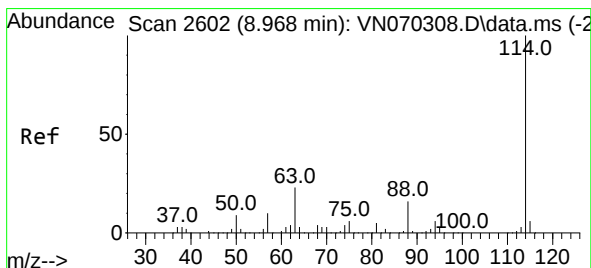
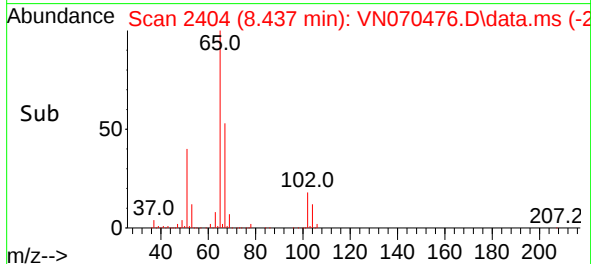
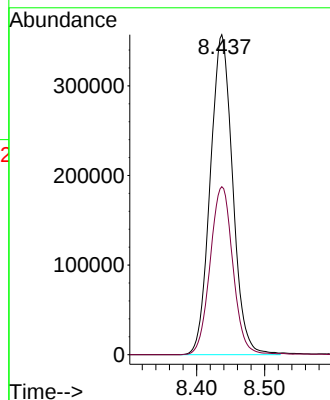
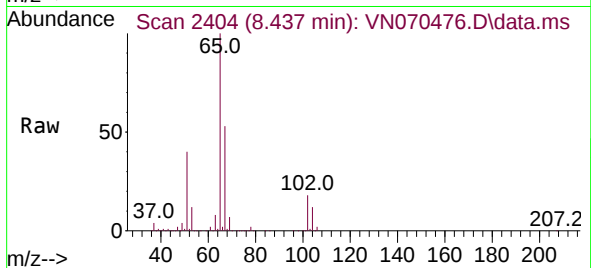
ClientSampleId :

Tgt Ion: 65 Resp: 819127

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070476.D

Acq: 4 Jan 2022 20:30

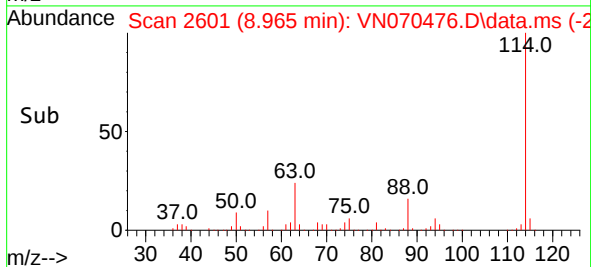
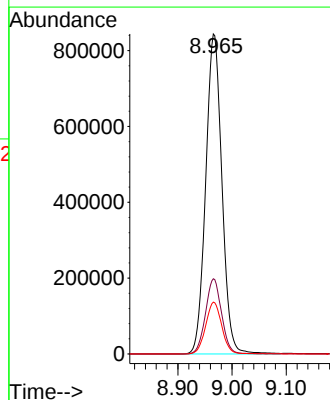
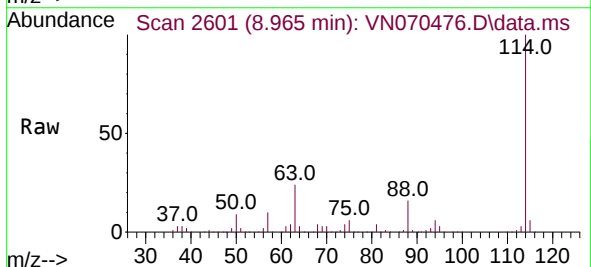
Tgt Ion: 114 Resp: 1755623

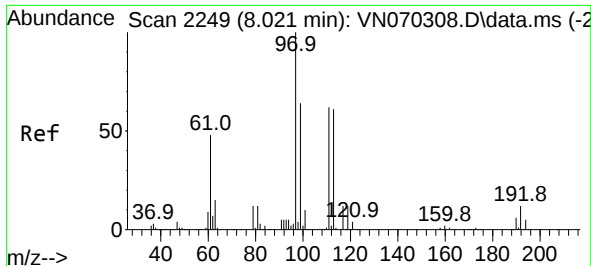
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.2 0.0 27.4

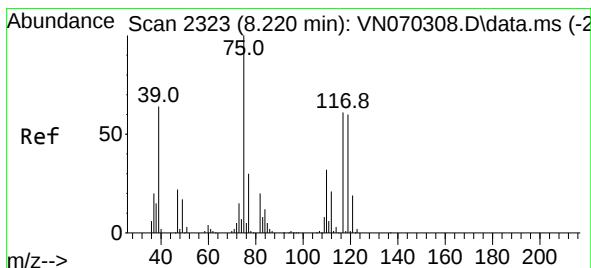
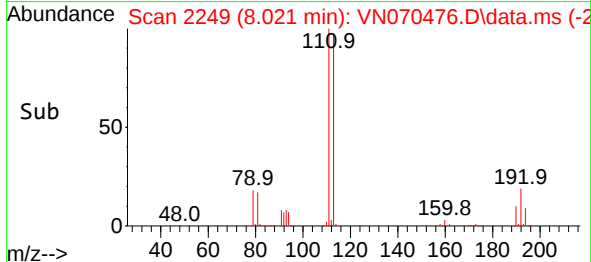
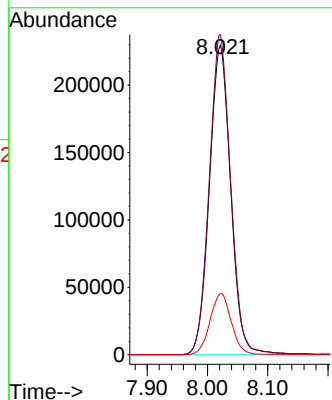
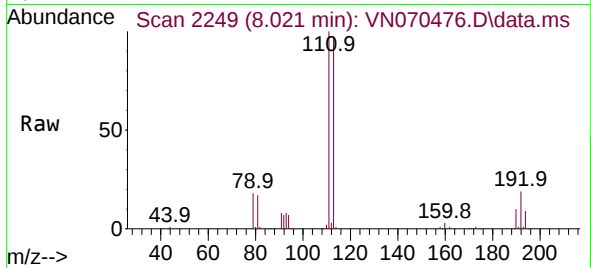




#35
Dibromofluoromethane
Concen: 53.038 ug/l
RT: 8.021 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

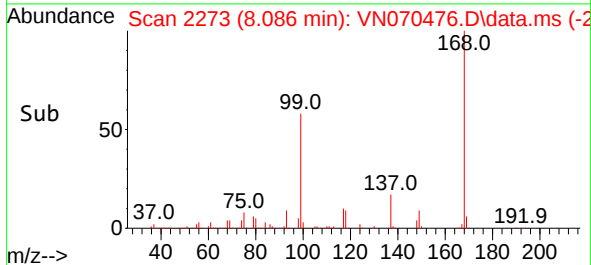
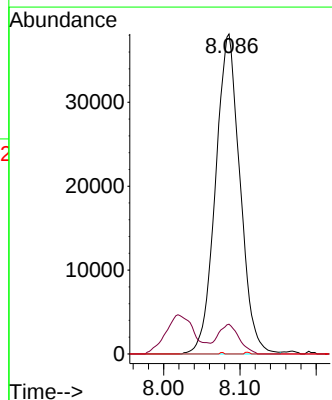
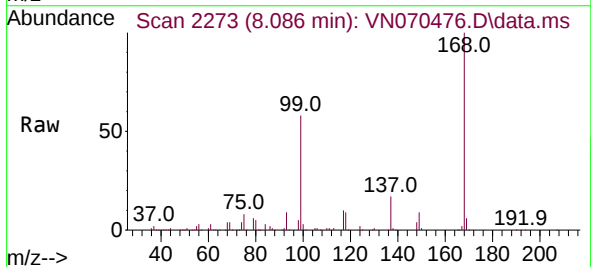
Instrument :
MSVOA_N
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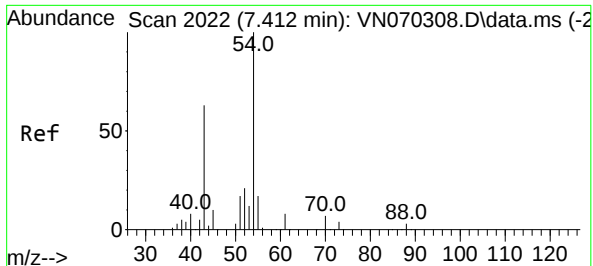
Tgt Ion:113 Resp: 563387
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.846 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

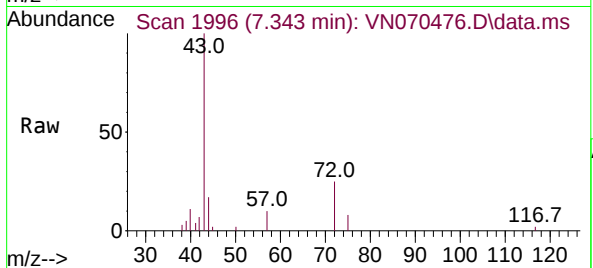
Tgt Ion: 75 Resp: 85148
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.0 24.4 36.6#



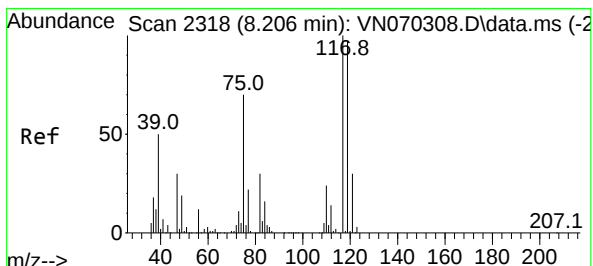
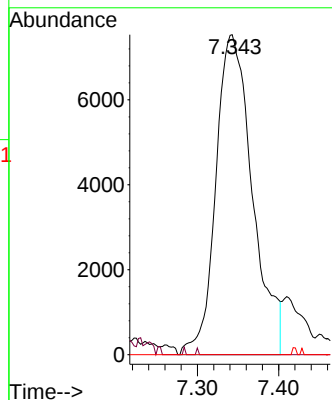
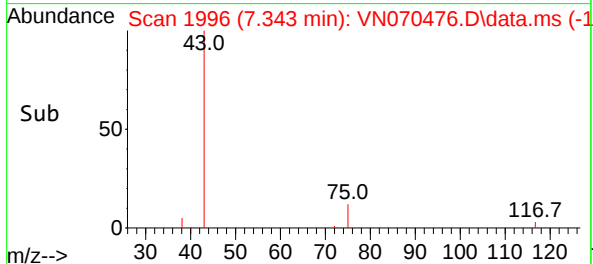


#37
Ethyl Acetate
Concen: 1.033 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.069 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

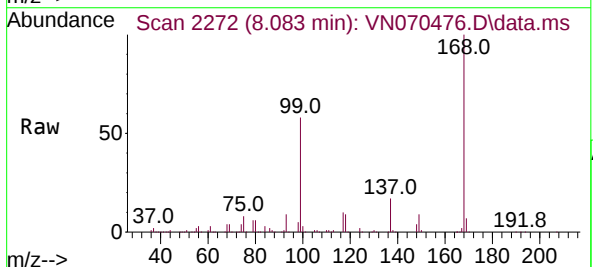
Instrument :
MSVOA_N
ClientSampleId :



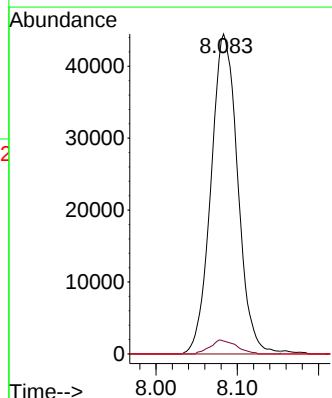
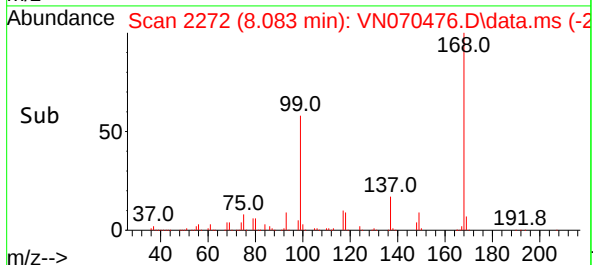
Tgt Ion: 43 Resp: 23538
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

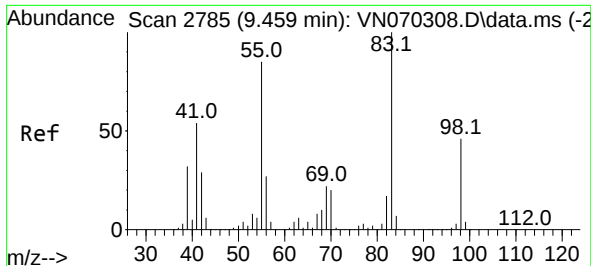


#38
Carbon Tetrachloride
Concen: 6.056 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30



Tgt Ion: 117 Resp: 101614
Ion Ratio Lower Upper
117 100
119 4.0 76.1 114.1#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.382 ug/l

RT: 9.456 min Scan# 2117

Delta R.T. -0.003 min

Lab File: VN070476.D

Acq: 4 Jan 2022 20:30

Instrument :

MSVOA_N

ClientSampleId :

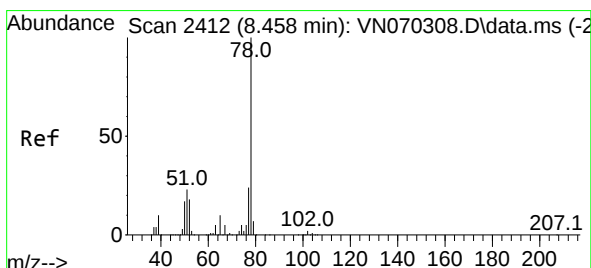
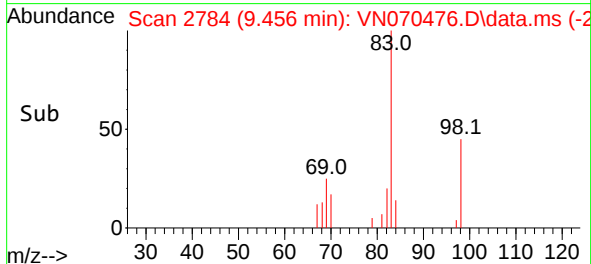
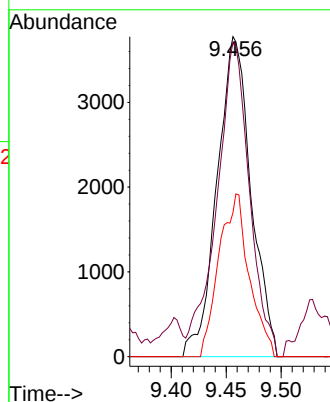
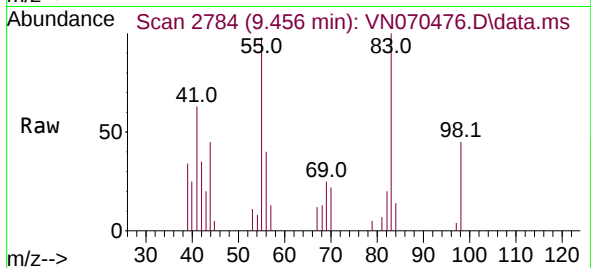
Tgt Ion: 83 Resp: 8117

Ion Ratio Lower Upper

83 100

55 98.4 58.1 87.1#

98 45.0 38.4 57.6



#40

Benzene

Concen: 0.812 ug/l

RT: 8.456 min Scan# 2411

Delta R.T. -0.002 min

Lab File: VN070476.D

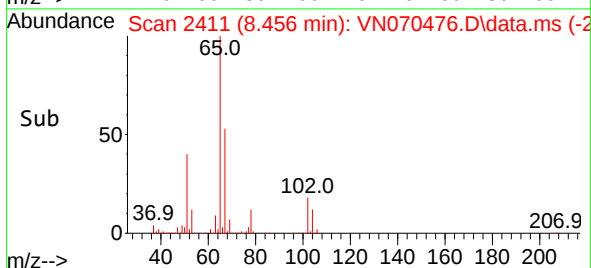
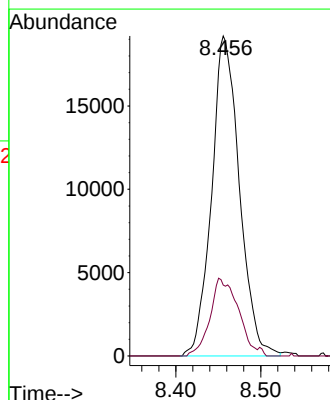
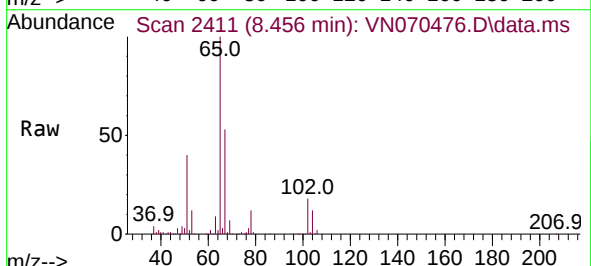
Acq: 4 Jan 2022 20:30

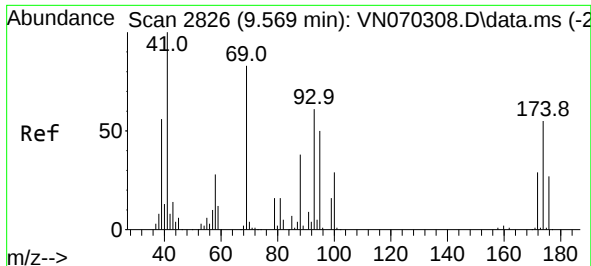
Tgt Ion: 78 Resp: 43725

Ion Ratio Lower Upper

78 100

77 22.1 18.6 27.8





#49

1,4-Dioxane

Concen: 0.415 ug/l

RT: 9.571 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070476.D

Acq: 4 Jan 2022 20:30

Instrument :

MSVOA_N

ClientSampleId :

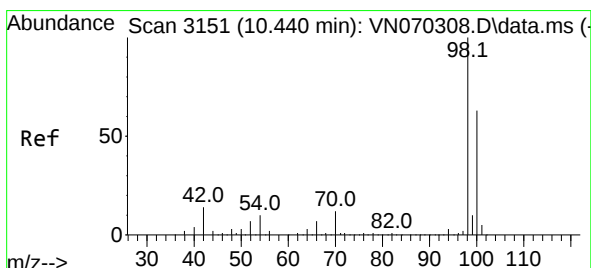
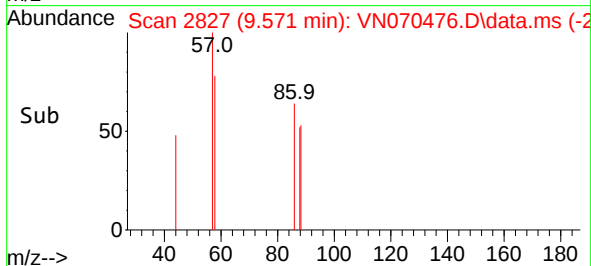
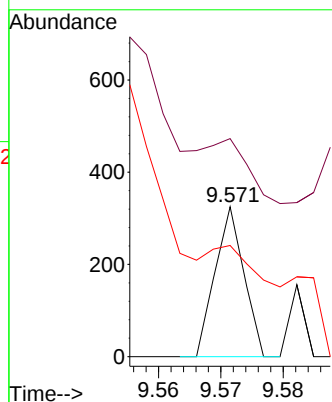
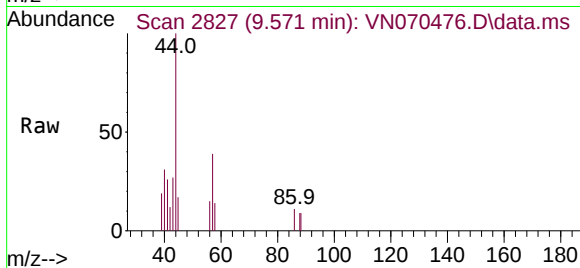
Tgt Ion: 88 Resp: 104

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 52.871 ug/l

RT: 10.438 min Scan# 3150

Delta R.T. -0.002 min

Lab File: VN070476.D

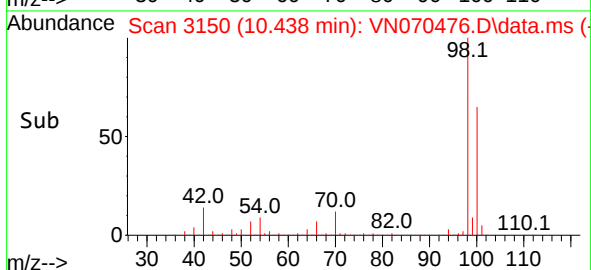
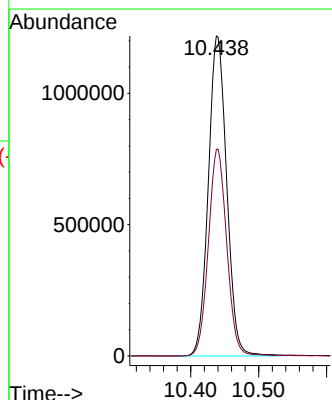
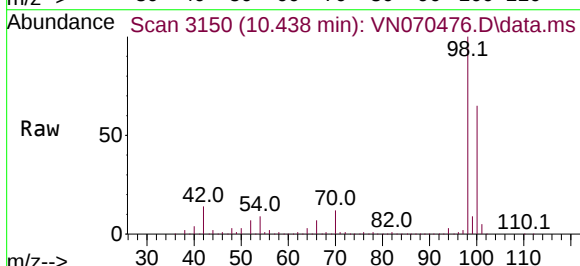
Acq: 4 Jan 2022 20:30

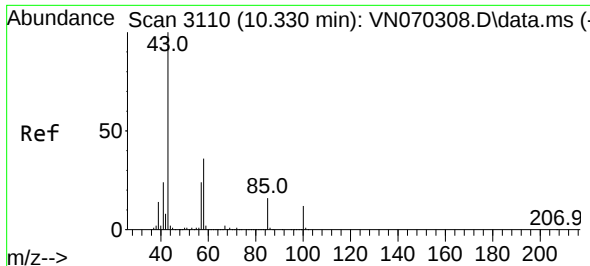
Tgt Ion: 98 Resp: 2294271

Ion Ratio Lower Upper

98 100

100 64.4 50.4 75.6

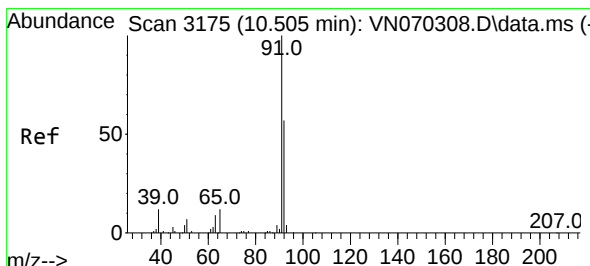
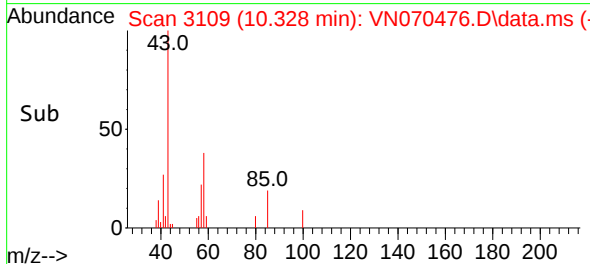
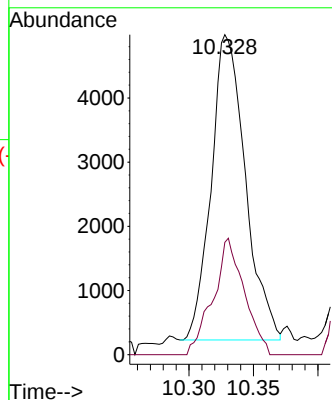
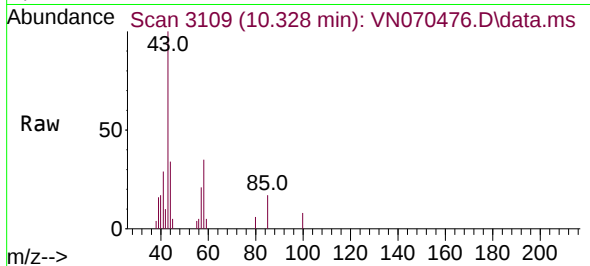




#51
4-Methyl-2-Pentanone
Concen: 0.389 ug/l
RT: 10.328 min Scan# 3110
Delta R.T. -0.002 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

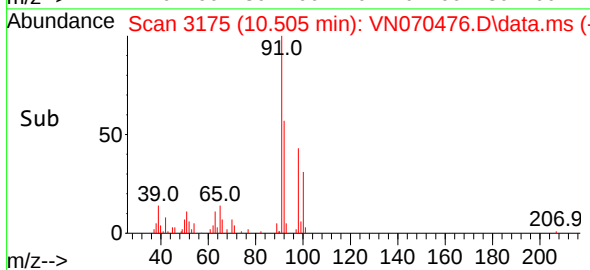
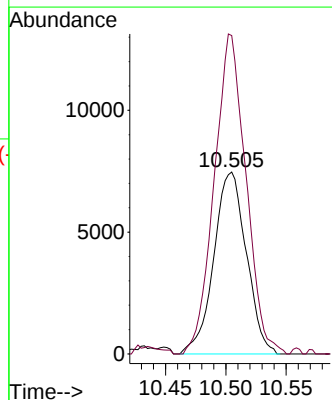
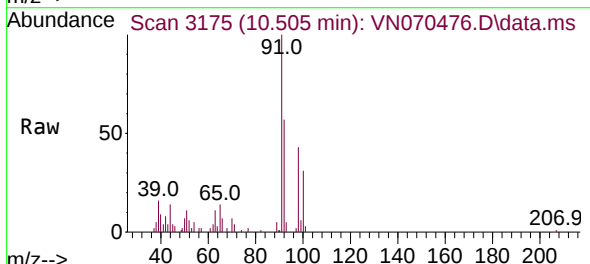
Instrument :
MSVOA_N
ClientSampleId :

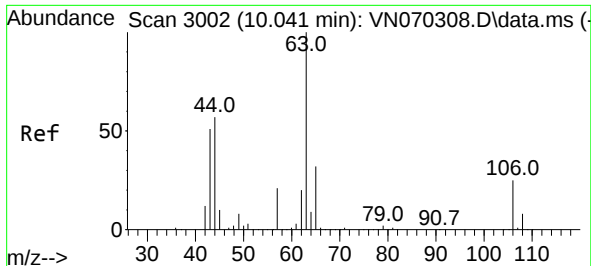
Tgt Ion: 43 Resp: 8769
Ion Ratio Lower Upper
43 100
58 34.7 30.4 45.6



#52
Toluene
Concen: 0.430 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

Tgt Ion: 92 Resp: 14029
Ion Ratio Lower Upper
92 100
91 171.2 142.0 213.0

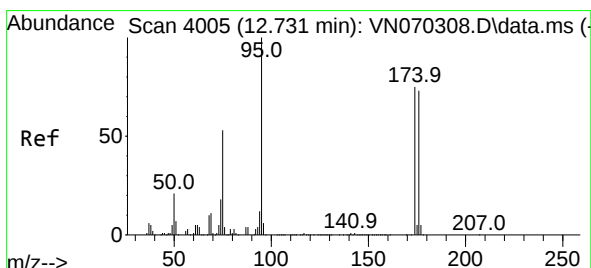
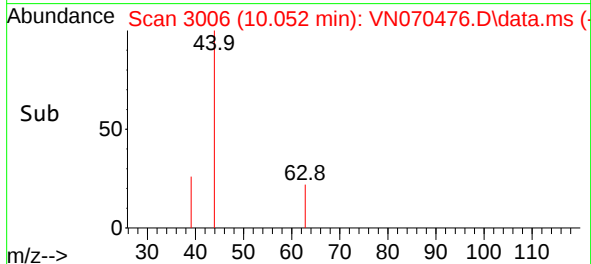
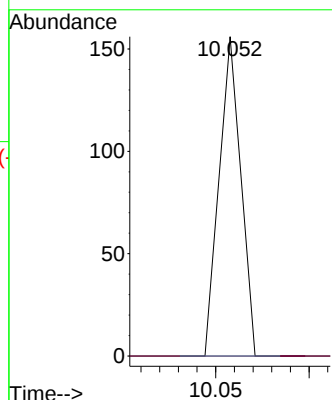
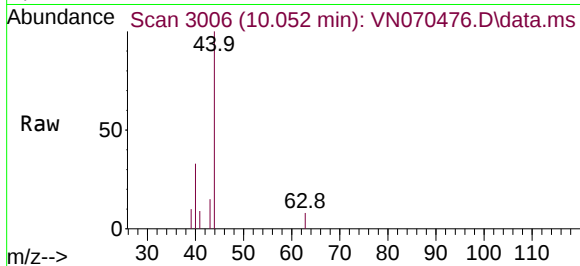




#58
2-Chloroethyl Vinyl ether
Concen: 18.517 ug/l
RT: 10.052 min Scan# 3006
Delta R.T. 0.011 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

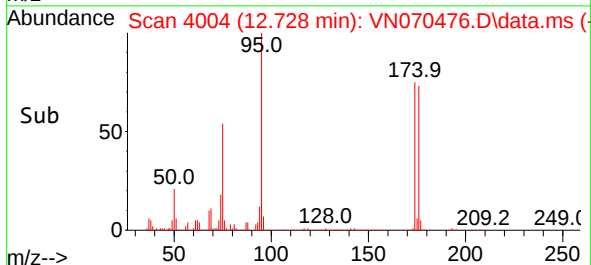
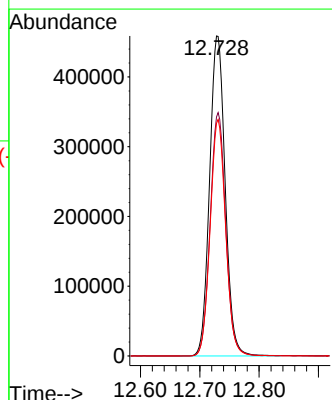
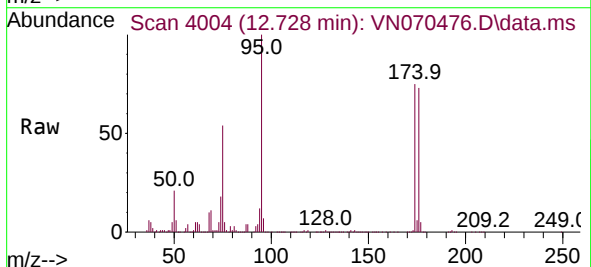
Instrument :
MSVOA_N
ClientSampleId :

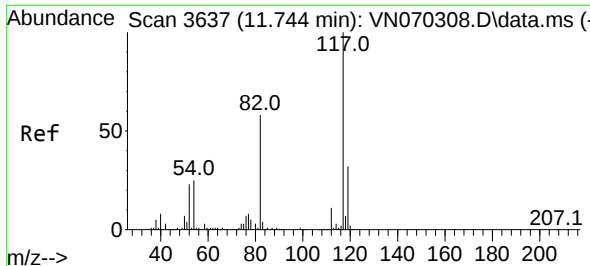
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#62
4-Bromofluorobenzene
Concen: 53.254 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

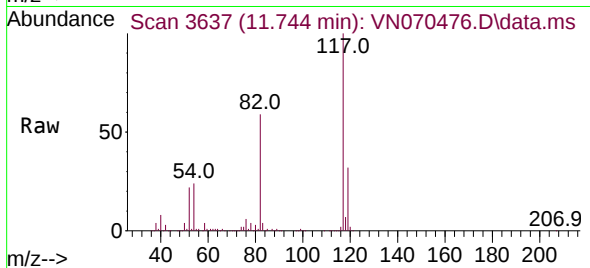
Tgt Ion: 95 Resp: 834637
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.3 0.0 181.4



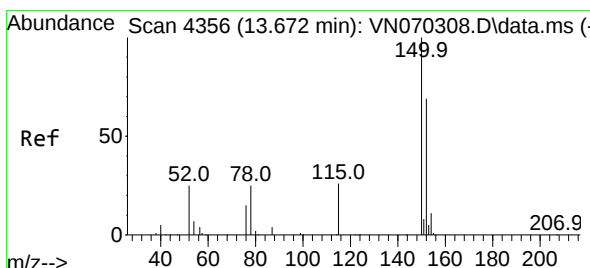
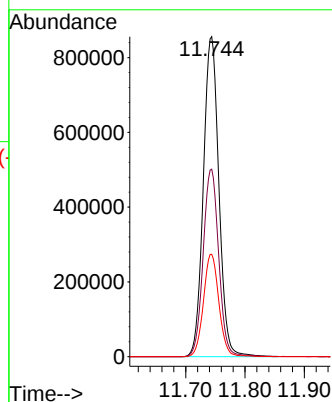
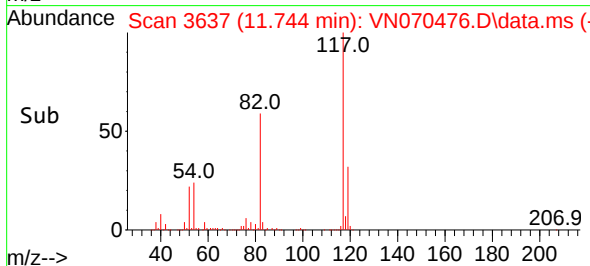


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

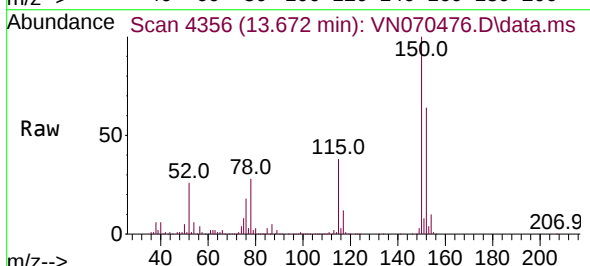
Instrument :
MSVOA_N
ClientSampleId :



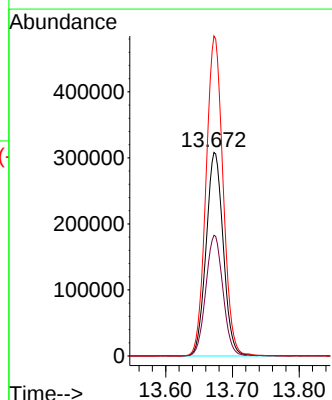
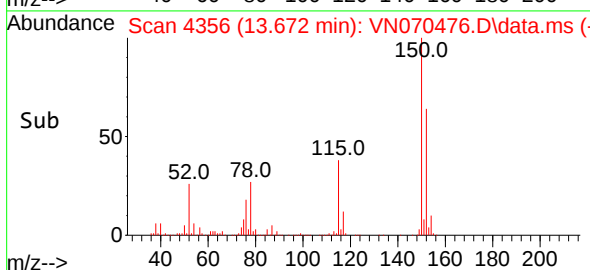
Tgt Ion:117 Resp: 1558453
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 32.0 25.4 38.2

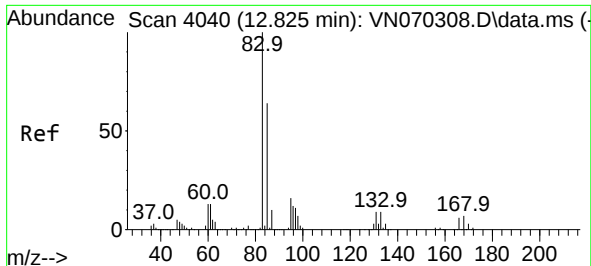


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30



Tgt Ion:152 Resp: 548614
Ion Ratio Lower Upper
152 100
115 59.4 27.5 82.5
150 156.5 0.0 344.4

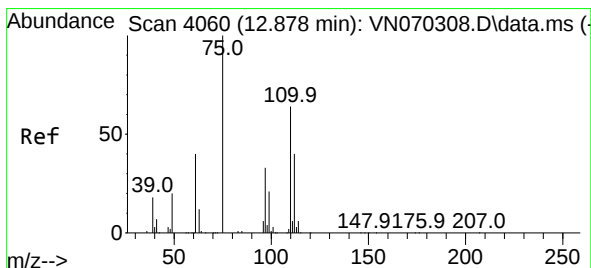
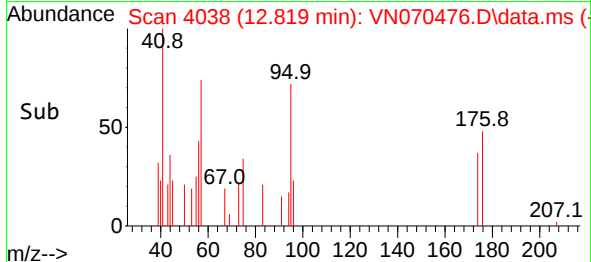
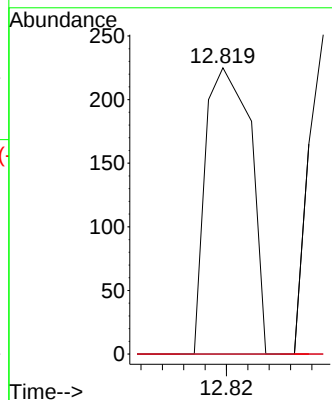
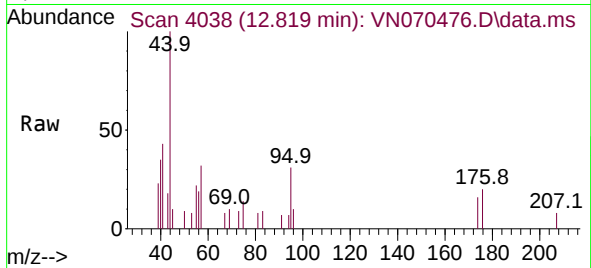




#75
1,1,2,2-Tetrachloroethane
Concen: 0.454 ug/l
RT: 12.819 min Scan# 4038
Delta R.T. -0.006 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

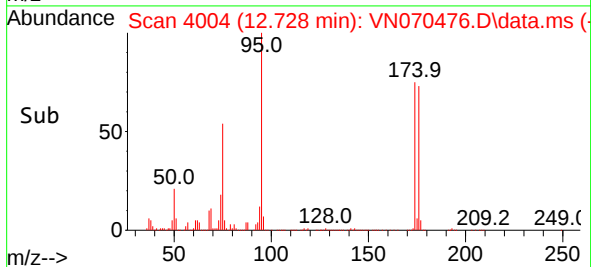
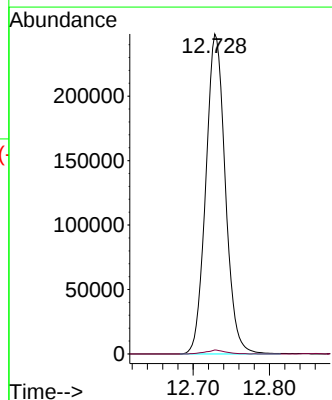
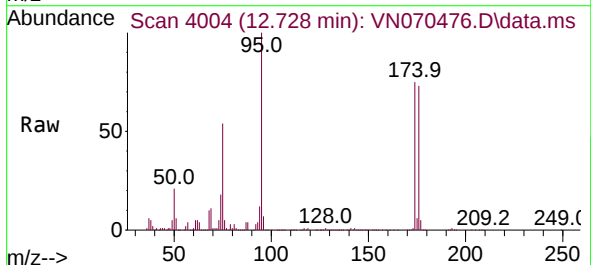
Instrument :
MSVOA_N
ClientSampleId :

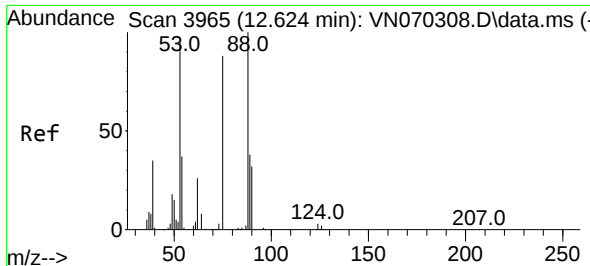
Tgt Ion: 83 Resp: 131
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 28.363 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

Tgt Ion: 75 Resp: 440332
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

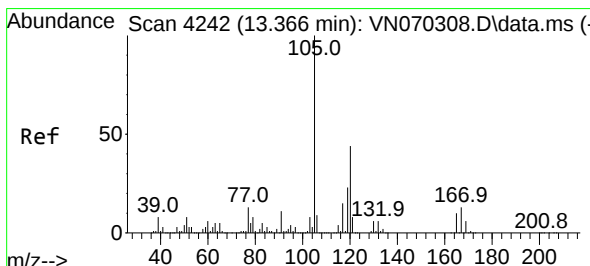
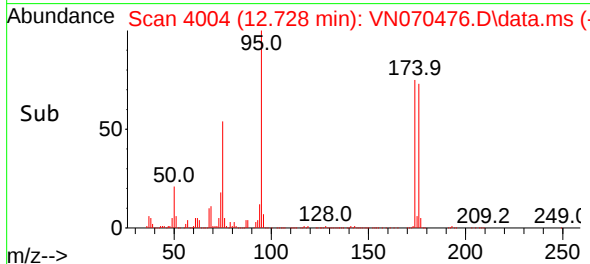
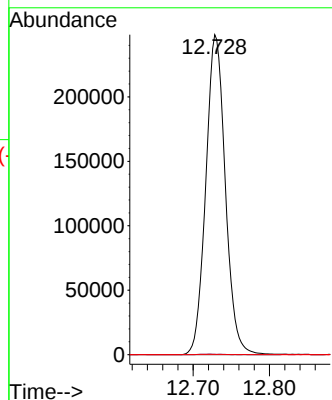
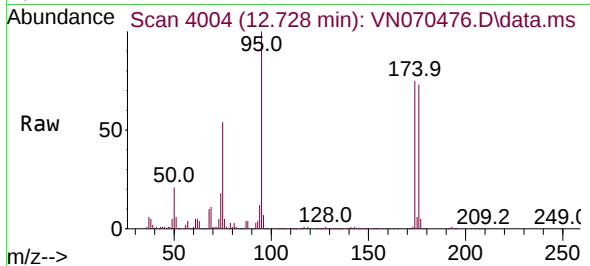




#81
trans-1,4-Dichloro-2-butene
Concen: 98.062 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

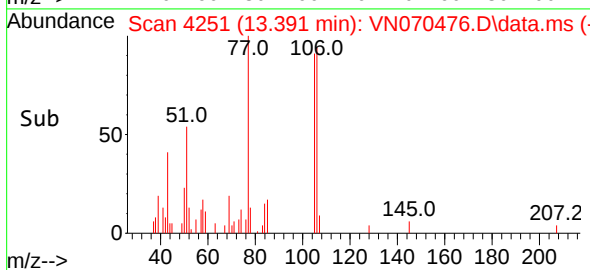
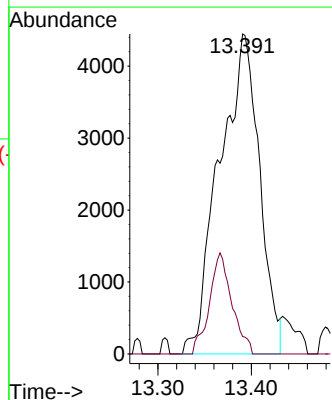
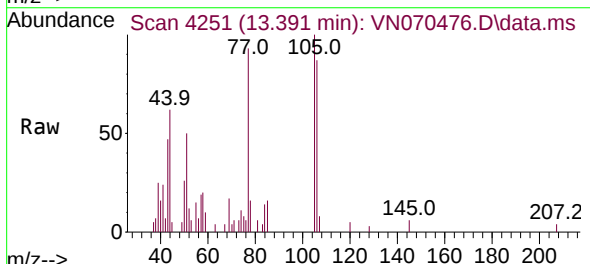
Instrument :
MSVOA_N
ClientSampleId :

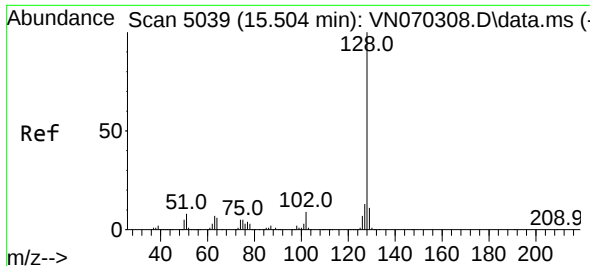
Tgt Ion: 75 Resp: 440332
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.335 ug/l
RT: 13.391 min Scan# 4251
Delta R.T. 0.025 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

Tgt Ion:105 Resp: 13189
Ion Ratio Lower Upper
105 100
120 0.0 22.8 68.4#

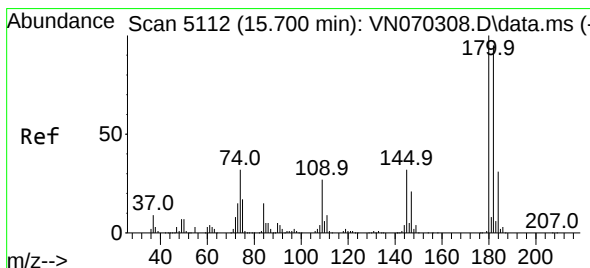
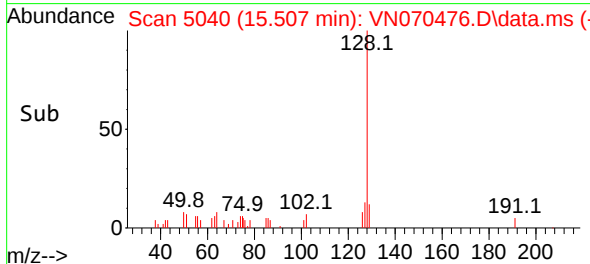
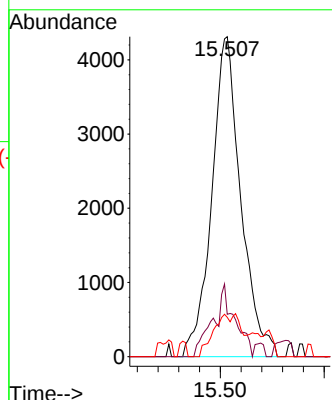
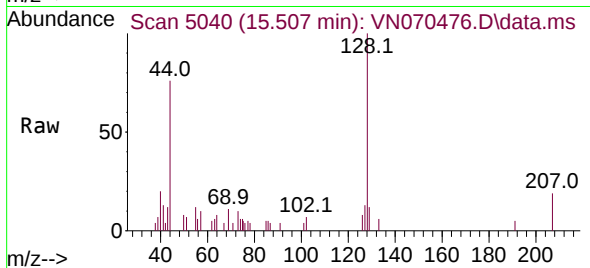




#95
Naphthalene
Concen: 2.119 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 8363
Ion Ratio Lower Upper
128 100
127 17.0 10.5 15.7#
129 7.8 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.860 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.002 min
Lab File: VN070476.D
Acq: 4 Jan 2022 20:30

Tgt Ion:180 Resp: 299
Ion Ratio Lower Upper
180 100
182 64.9 47.4 142.2
145 73.6 15.0 45.1#

