

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070499.D
 Acq On : 5 Jan 2022 19:19
 Operator : JC/MD
 Sample : N1012-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 06 13:27:02 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)

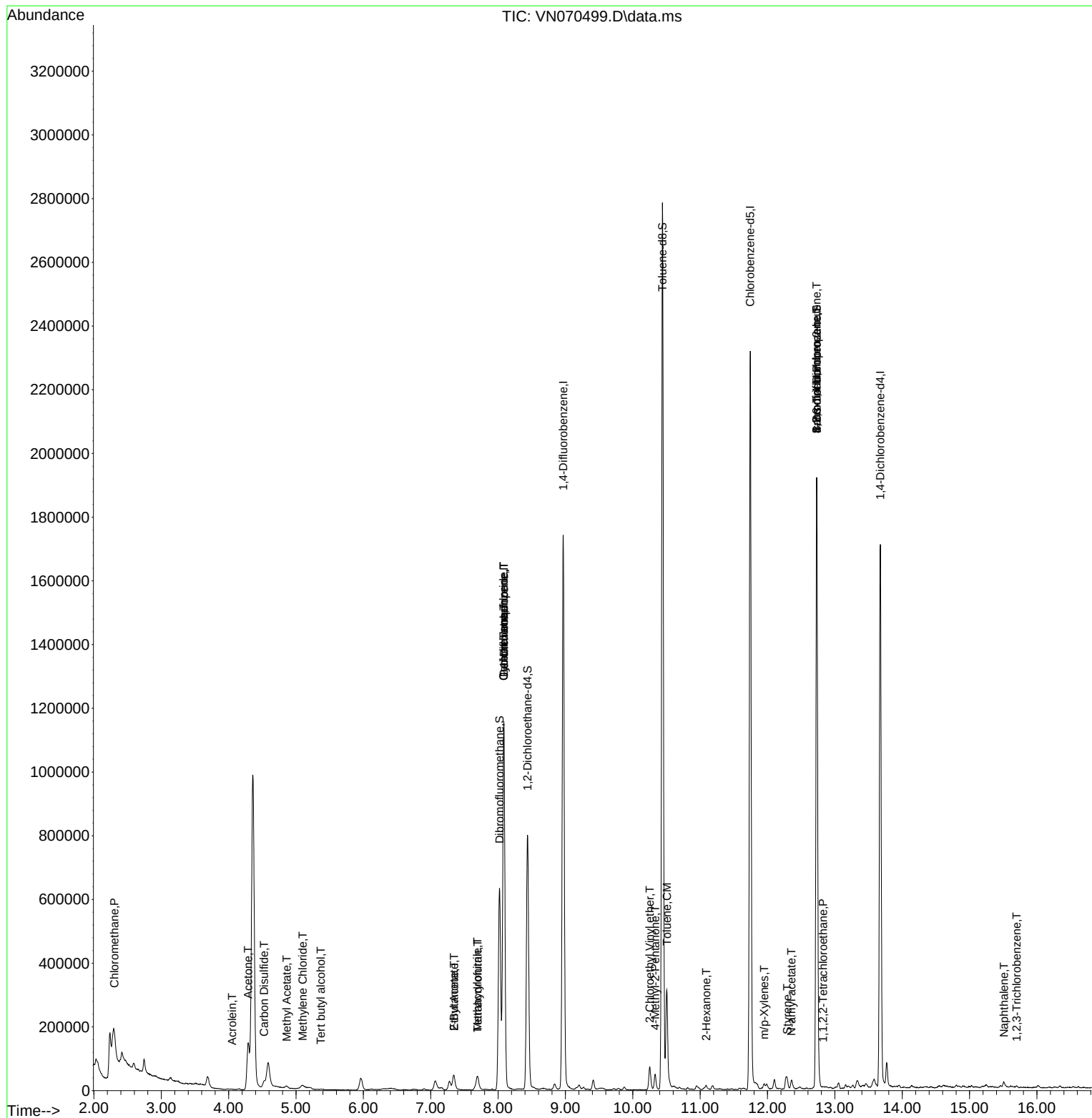
Internal Standards						
1) Pentafluorobenzene	8.086	168	894438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1519859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1349576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	476307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	679569	52.842	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.680%	
35) Dibromofluoromethane	8.021	113	477392	51.914	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.820%	
50) Toluene-d8	10.440	98	1937433	51.574	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.140%	
62) 4-Bromofluorobenzene	12.731	95	697970	51.442	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	7371	0.534	ug/l #	86
11) Tert butyl alcohol	5.366	59	478	0.223	ug/l #	71
13) Acrolein	4.052	56	904	0.520	ug/l	94
16) Acetone	4.291	43	279032	33.424	ug/l	100
17) Carbon Disulfide	4.527	76	52175	2.098	ug/l	97
18) Methyl Acetate	4.862	43	15712	0.651	ug/l #	75
20) Methylene Chloride	5.101	84	5175	0.448	ug/l #	88
25) 2-Butanone	7.345	43	77410	7.364	ug/l	92
29) Tetrahydrofuran	7.697	42	35645	5.684	ug/l	89
31) Cyclohexane	8.083	56	19072	0.940	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	70545	4.637	ug/l #	49
37) Ethyl Acetate	7.345	43	77410	3.926	ug/l #	68
38) Carbon Tetrachloride	8.083	117	87038	5.992	ug/l #	16
41) Methacrylonitrile	7.694	41	23032	2.335	ug/l #	37
51) 4-Methyl-2-Pentanone	10.333	43	34207	1.751	ug/l	97
52) Toluene	10.505	92	130663	4.629	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.250	63	288	18.570	ug/l #	45
59) 2-Hexanone	11.089	43	10513	0.738	ug/l	82
68) m/p-Xylenes	11.953	106	4408	0.231	ug/l	87
70) Styrene	12.294	104	11136	0.370	ug/l	90
71) Bromoform	12.731	173	2203	0.290	ug/l #	1
74) N-amyl acetate	12.355	43	21025	1.130	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.825	83	204	0.460	ug/l #	2
76) 1,2,3-Trichloropropane	12.731	75	361535	26.971	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	361535	92.737	ug/l #	5
95) Naphthalene	15.509	128	16847	2.545	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.700	180	83	0.837	ug/l #	49

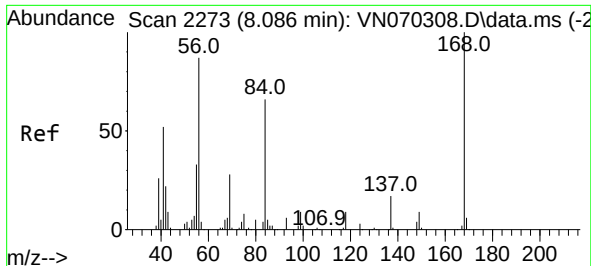
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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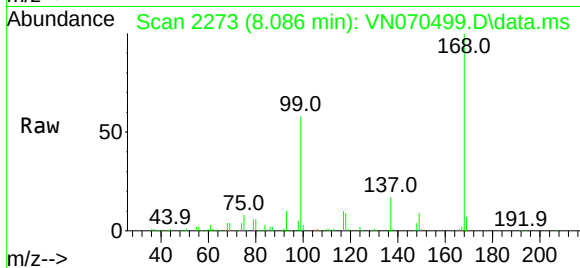
Quant Time: Jan 06 13:27:02 2022
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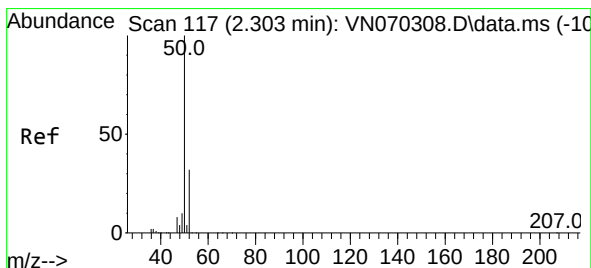
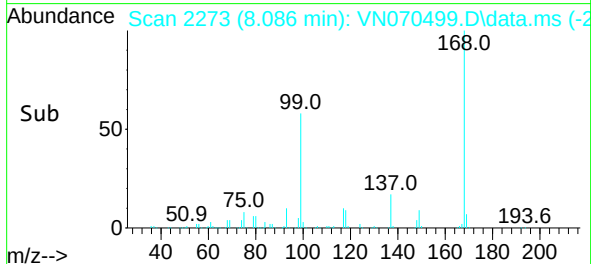
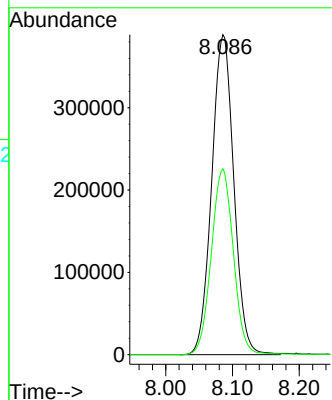


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Instrument :
MSVOA_N
ClientSampleId :

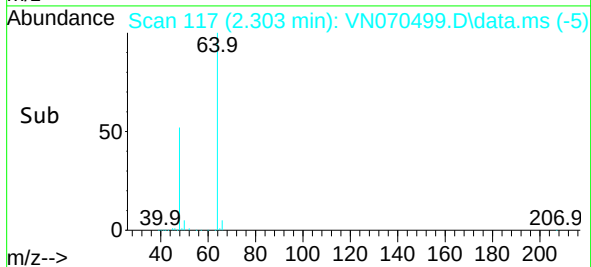
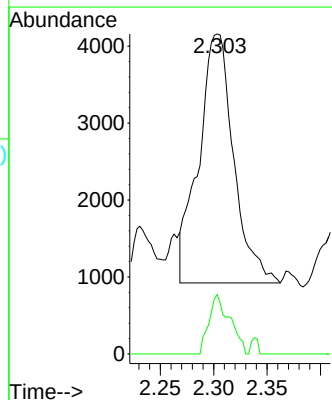
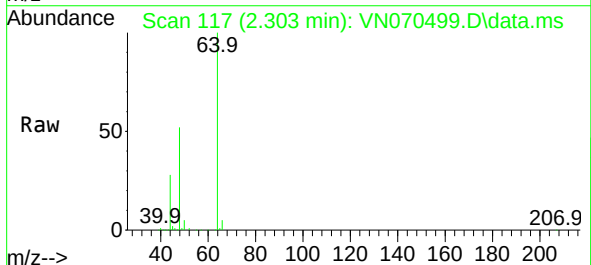


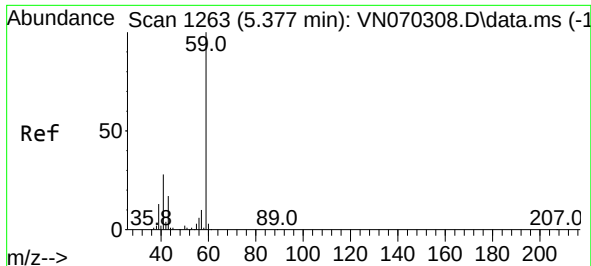
Tgt Ion:168 Resp: 894438
Ion Ratio Lower Upper
168 100
99 58.1 41.3 61.9



#3
Chloromethane
Concen: 0.534 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Tgt Ion: 50 Resp: 7371
Ion Ratio Lower Upper
50 100
52 23.8 25.4 38.0#





#11

Tert butyl alcohol

Concen: 0.223 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.011 min

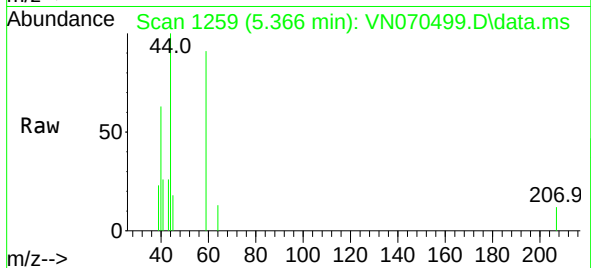
Lab File: VN070499.D

Acq: 5 Jan 2022 19:19

Instrument :

MSVOA_N

ClientSampleId :

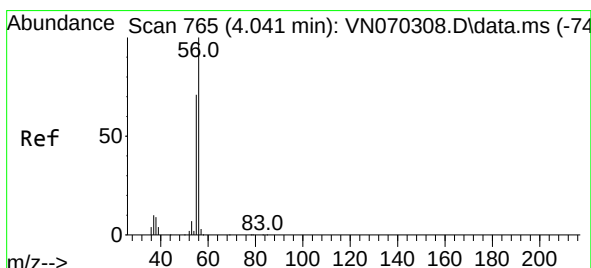
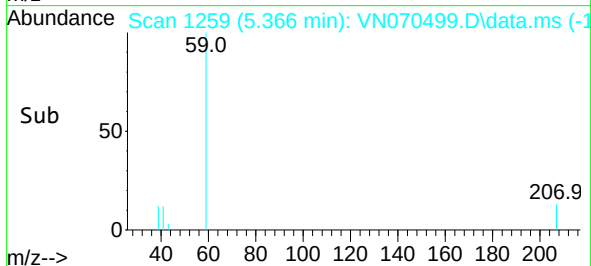
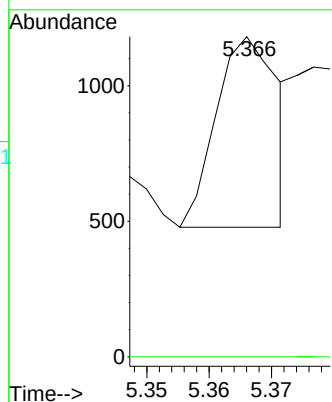


Tgt Ion: 59 Resp: 478

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.520 ug/l

RT: 4.052 min Scan# 769

Delta R.T. 0.011 min

Lab File: VN070499.D

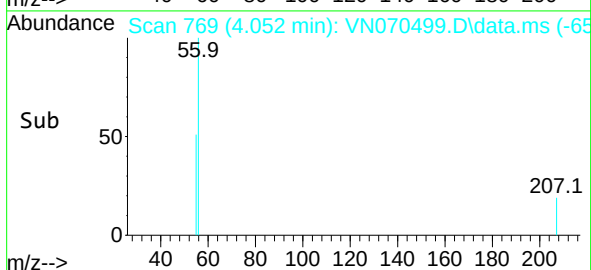
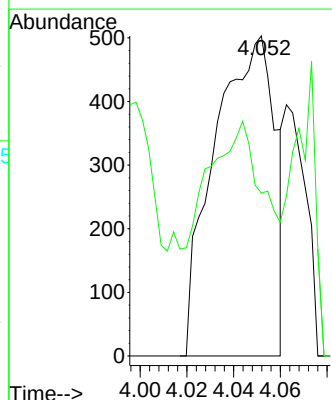
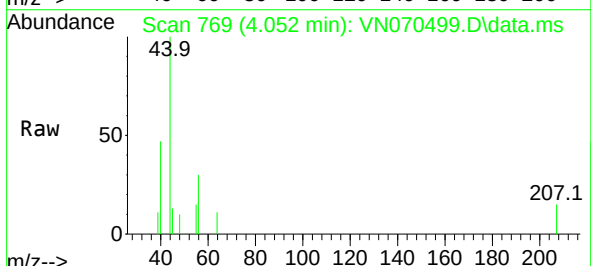
Acq: 5 Jan 2022 19:19

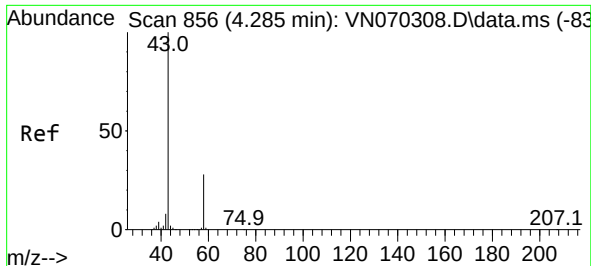
Tgt Ion: 56 Resp: 904

Ion Ratio Lower Upper

56 100

55 76.0 56.6 85.0

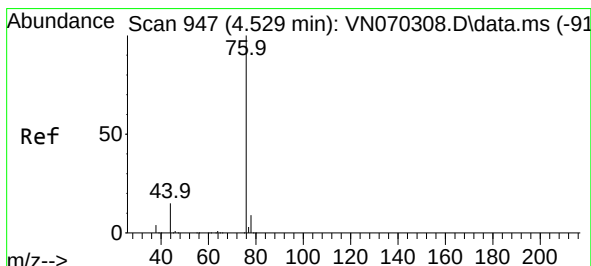
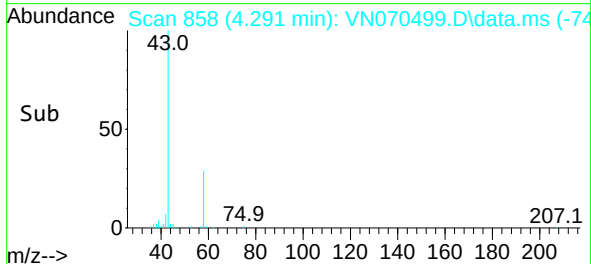
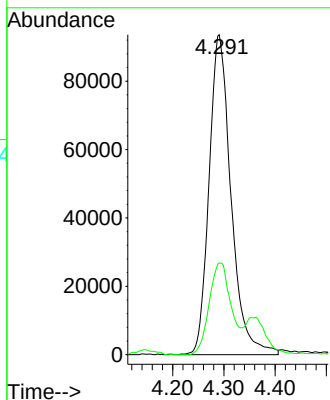
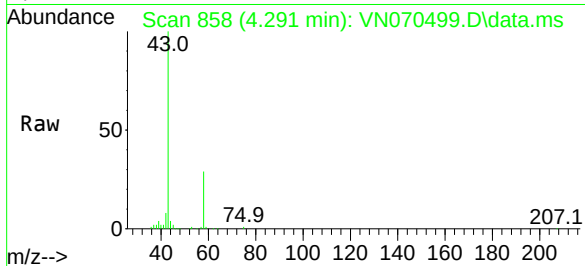




#16
Acetone
Concen: 33.424 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

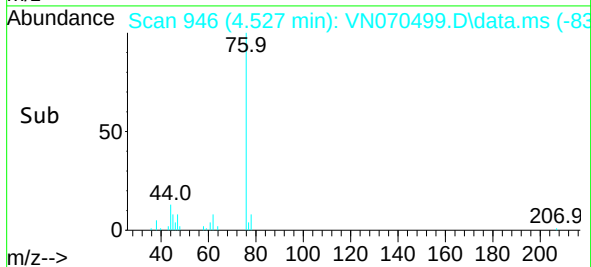
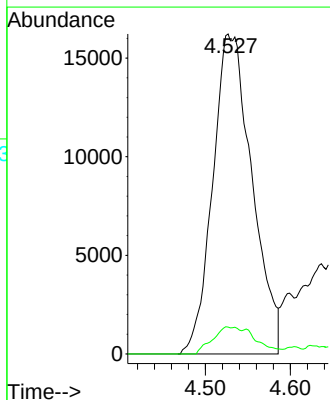
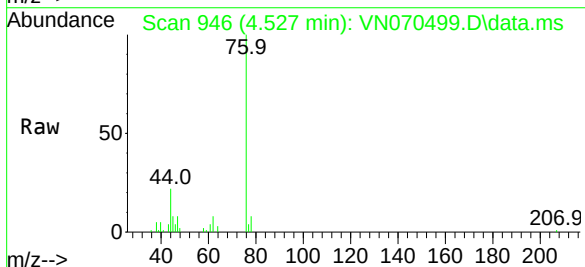
Instrument :
MSVOA_N
ClientSampleId :

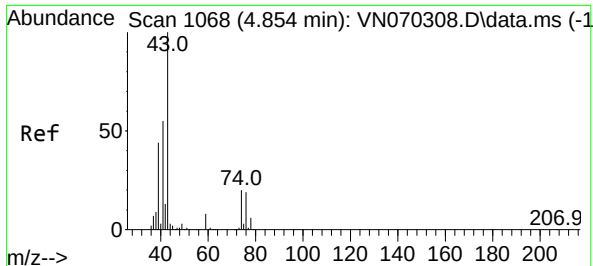
Tgt Ion: 43 Resp: 279032
Ion Ratio Lower Upper
43 100
58 28.6 23.1 34.7



#17
Carbon Disulfide
Concen: 2.098 ug/l
RT: 4.527 min Scan# 946
Delta R.T. -0.002 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Tgt Ion: 76 Resp: 52175
Ion Ratio Lower Upper
76 100
78 8.4 7.5 11.3

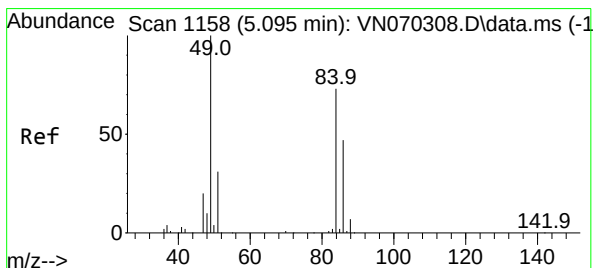
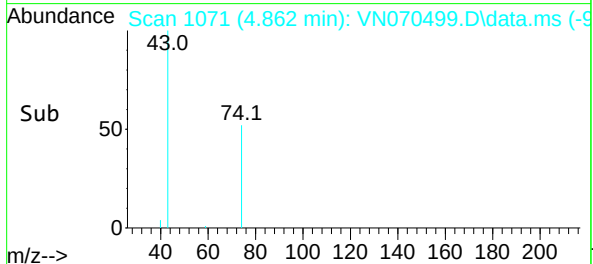
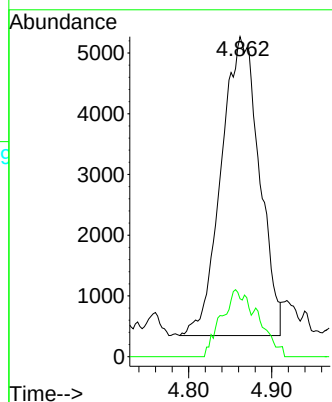
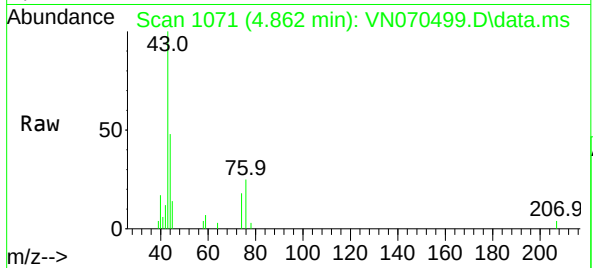




#18
Methyl Acetate
Concen: 0.651 ug/l
RT: 4.862 min Scan# 1160
Delta R.T. 0.008 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

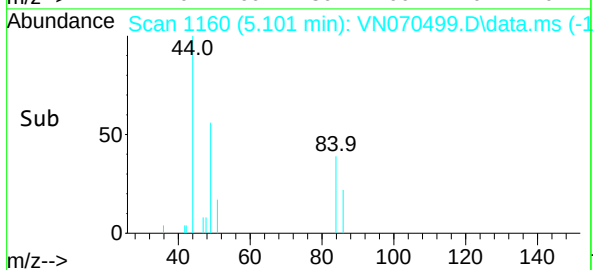
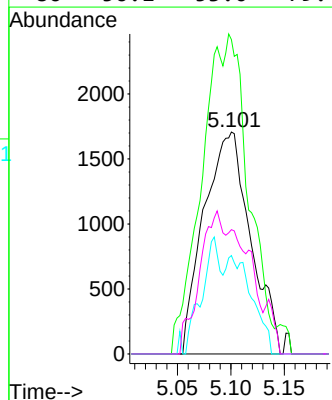
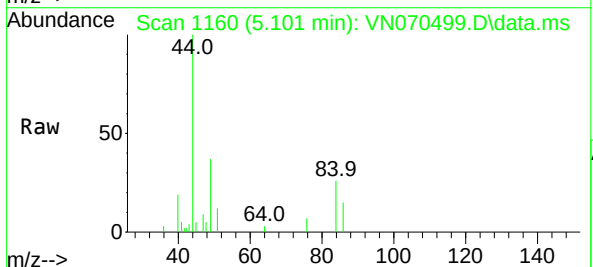
Instrument :
MSVOA_N
ClientSampleId :

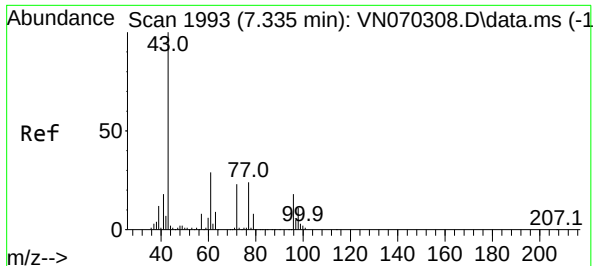
Tgt Ion: 43 Resp: 15712
Ion Ratio Lower Upper
43 100
74 11.9 19.4 29.2#



#20
Methylene Chloride
Concen: 0.448 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Tgt Ion: 84 Resp: 5175
Ion Ratio Lower Upper
84 100
49 128.4 93.5 140.3
51 44.3 29.4 44.2#
86 56.1 53.0 79.4





#25

2-Butanone

Concen: 7.364 ug/l

RT: 7.345 min Scan# 1993

Delta R.T. 0.010 min

Lab File: VN070499.D

Acq: 5 Jan 2022 19:19

Instrument :

MSVOA_N

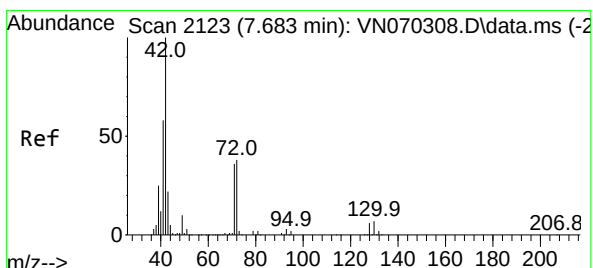
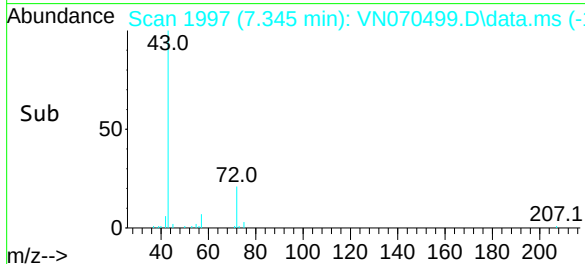
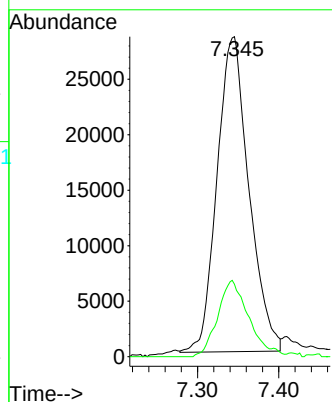
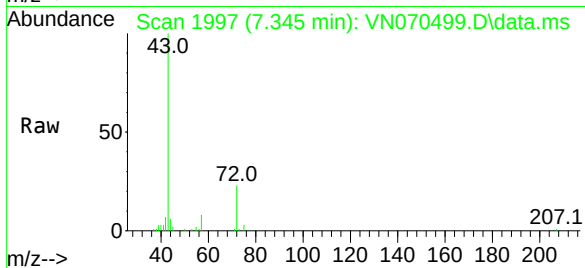
ClientSampleId :

Tgt Ion: 43 Resp: 77410

Ion Ratio Lower Upper

43 100

72 23.0 21.7 32.5



#29

Tetrahydrofuran

Concen: 5.684 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.014 min

Lab File: VN070499.D

Acq: 5 Jan 2022 19:19

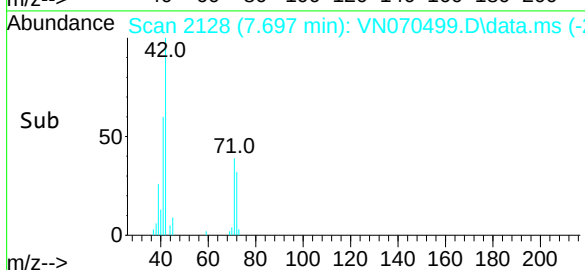
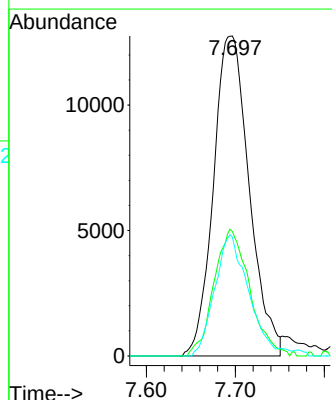
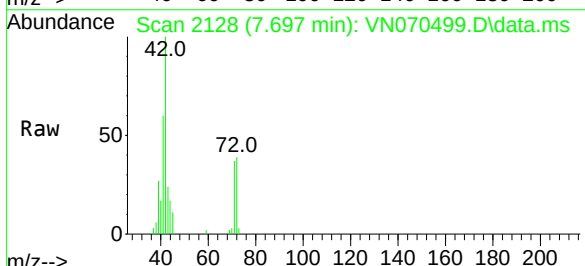
Tgt Ion: 42 Resp: 35645

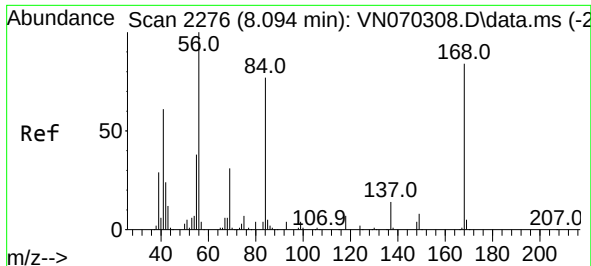
Ion Ratio Lower Upper

42 100

72 39.4 36.3 54.5

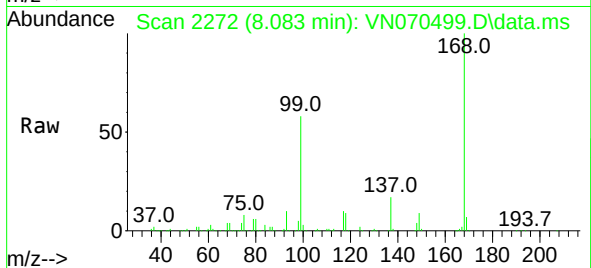
71 35.3 34.7 52.1



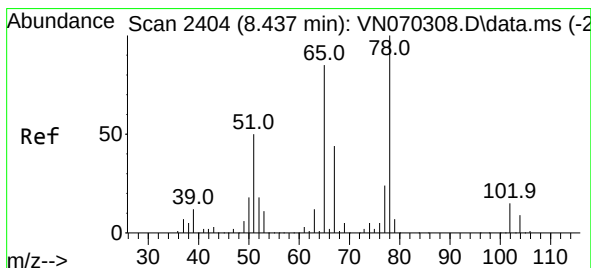
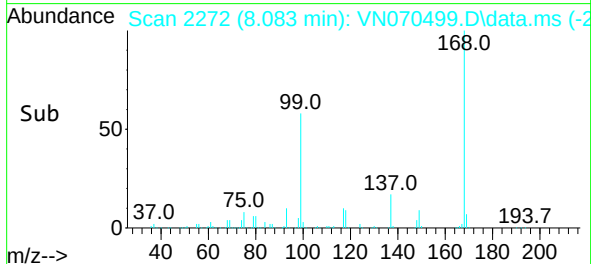
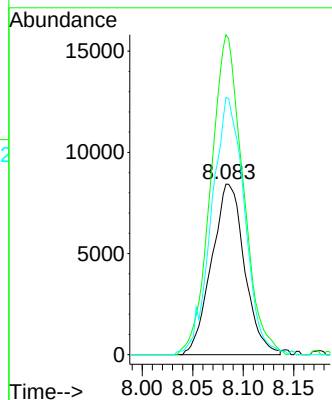


#31
Cyclohexane
Concen: 0.940 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Instrument :
MSVOA_N
ClientSampleId :

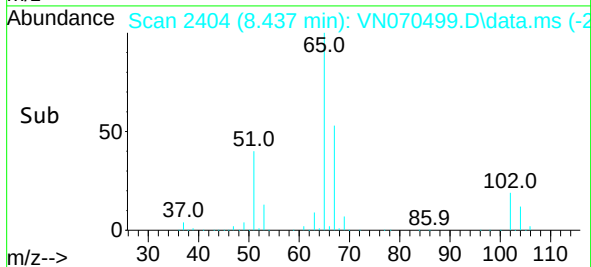
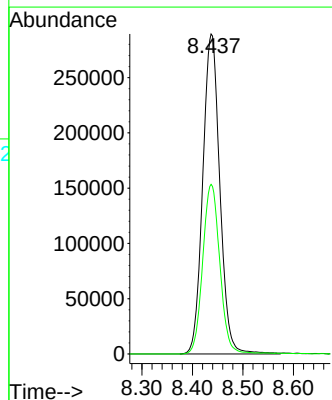
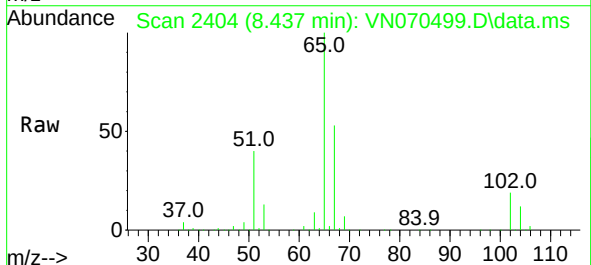


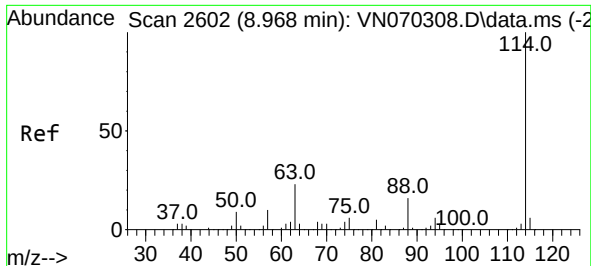
Tgt Ion: 56 Resp: 19072
Ion Ratio Lower Upper
56 100
69 185.4 27.1 40.7#
84 148.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.842 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Tgt Ion: 65 Resp: 679569
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN070499.D

Acq: 5 Jan 2022 19:19

Instrument :

MSVOA_N

ClientSampleId :

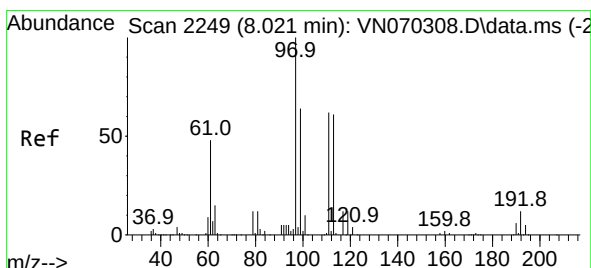
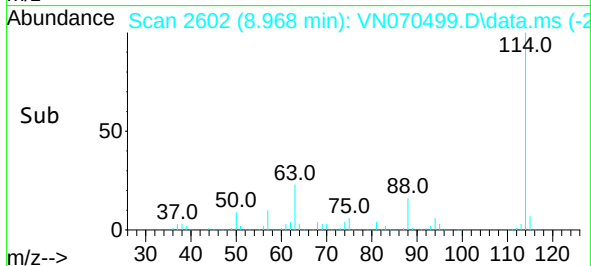
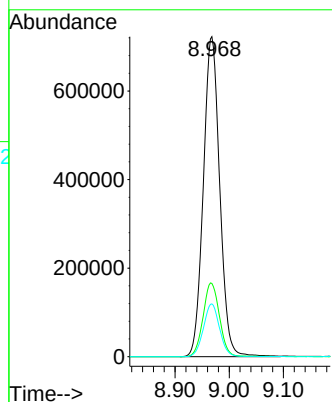
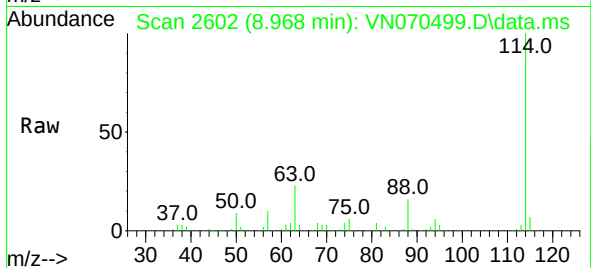
Tgt Ion:114 Resp: 1519859

Ion Ratio Lower Upper

114 100

63 22.9 0.0 37.8

88 16.5 0.0 27.4



#35

Dibromofluoromethane

Concen: 51.914 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070499.D

Acq: 5 Jan 2022 19:19

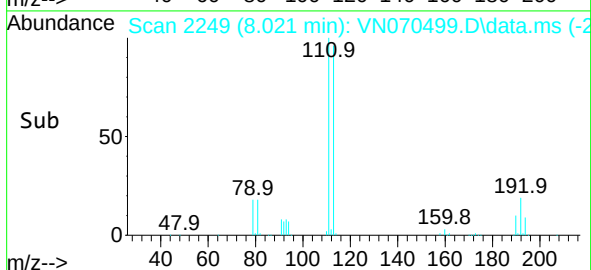
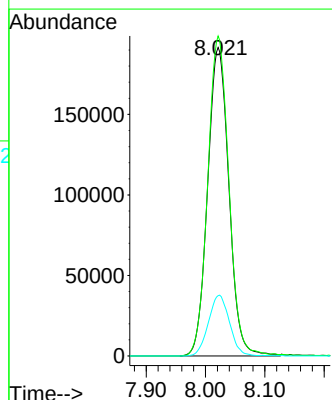
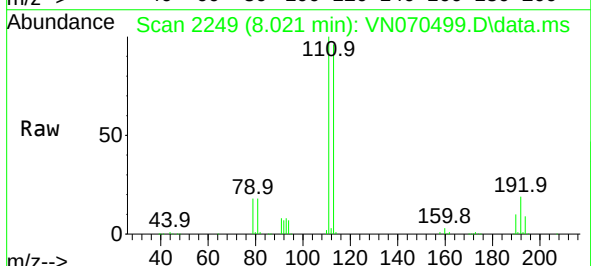
Tgt Ion:113 Resp: 477392

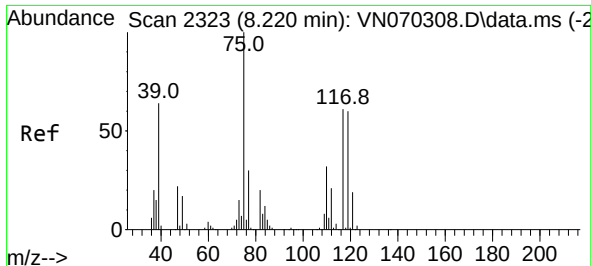
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

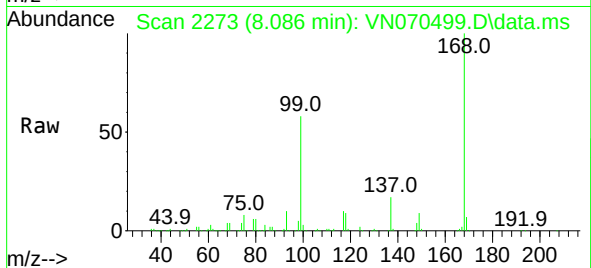
192 19.5 16.9 25.3



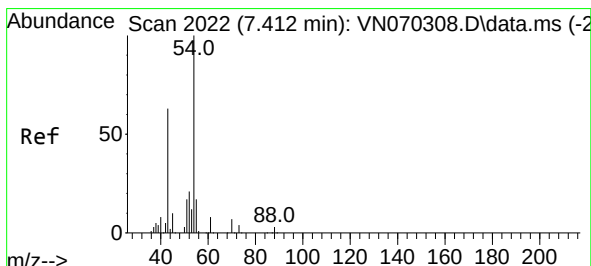
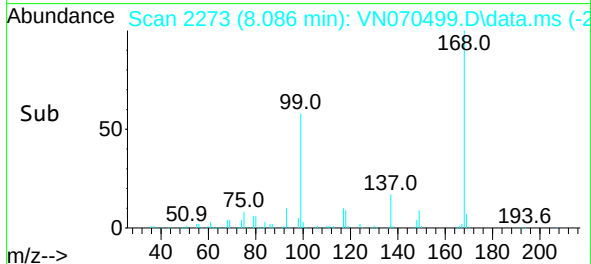
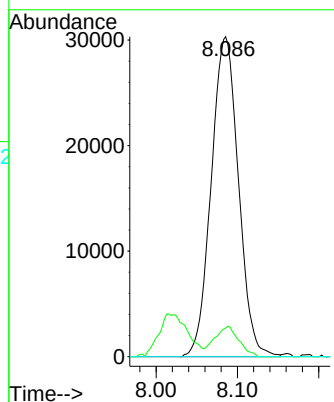


#36
1,1-Dichloropropene
Concen: 4.637 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Instrument :
MSVOA_N
ClientSampleId :

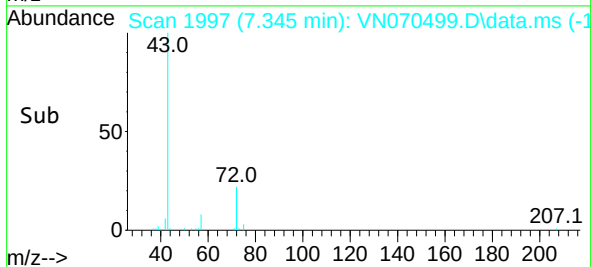
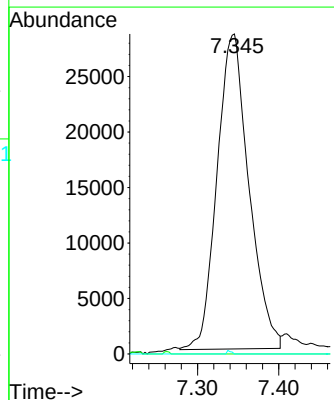
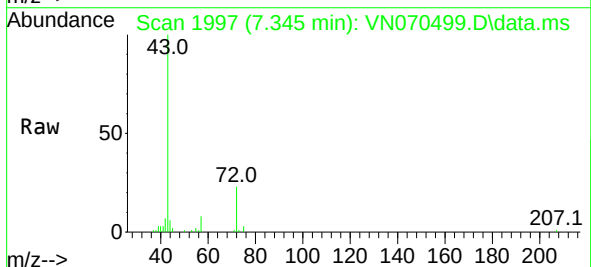


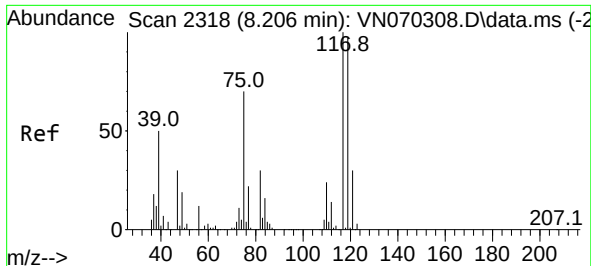
Tgt Ion: 75 Resp: 70545
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.926 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.067 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

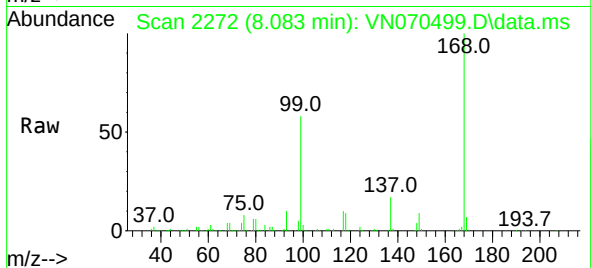
Tgt Ion: 43 Resp: 77410
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.1 7.9 11.9#



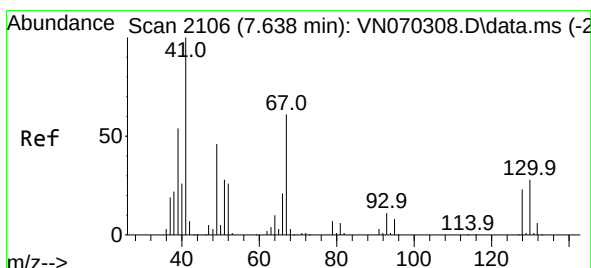
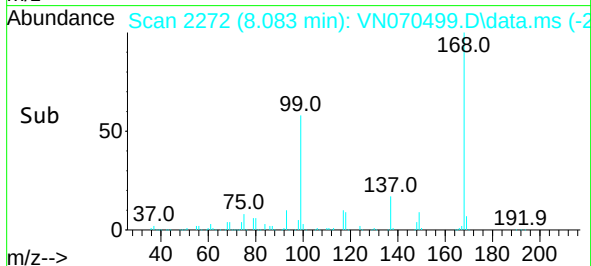
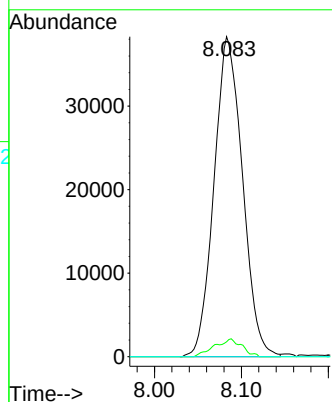


#38
Carbon Tetrachloride
Concen: 5.992 ug/l
RT: 8.083 min Scan# 2117
Delta R.T. -0.123 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Instrument :
MSVOA_N
ClientSampleId :

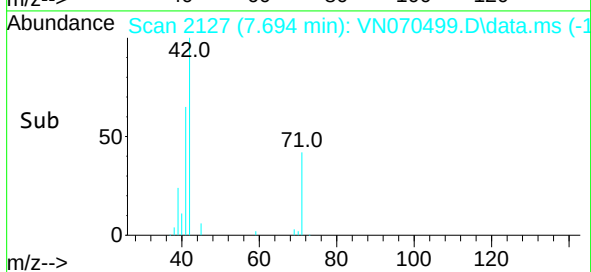
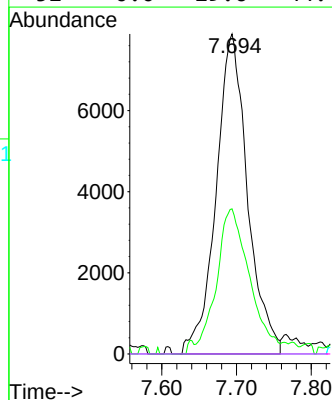
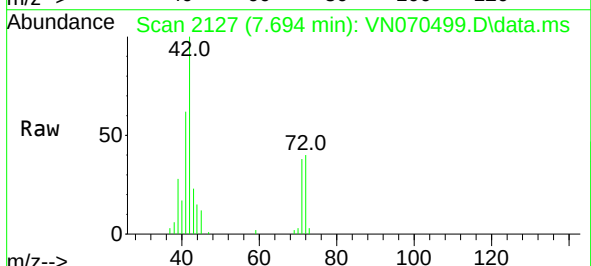


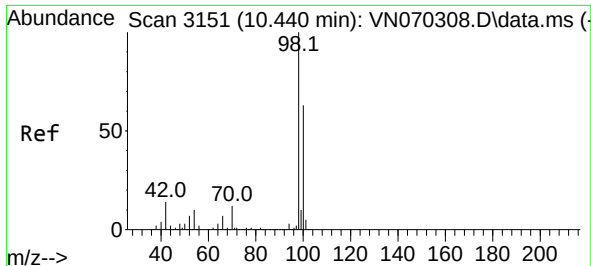
Tgt Ion:117 Resp: 87038
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 2.335 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.056 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Tgt Ion: 41 Resp: 23032
Ion Ratio Lower Upper
41 100
39 43.5 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#

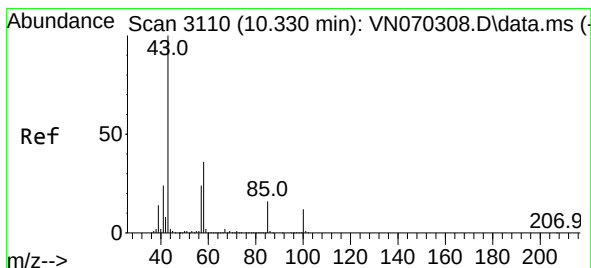
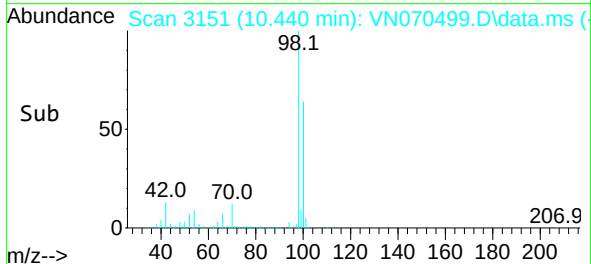
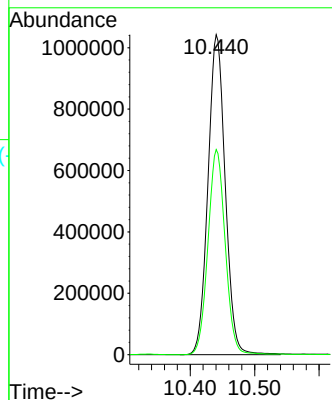
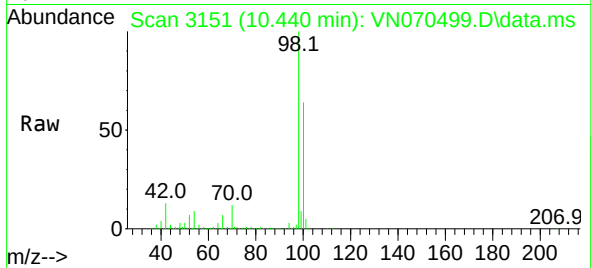




#50
Toluene-d8
Concen: 51.574 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

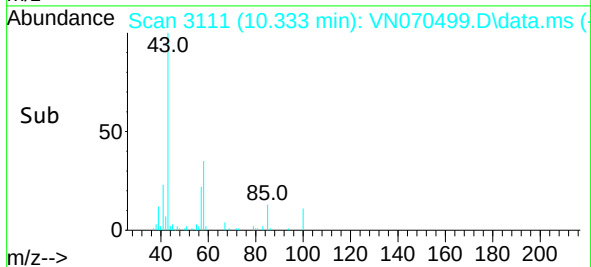
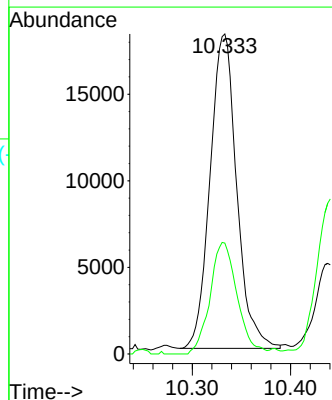
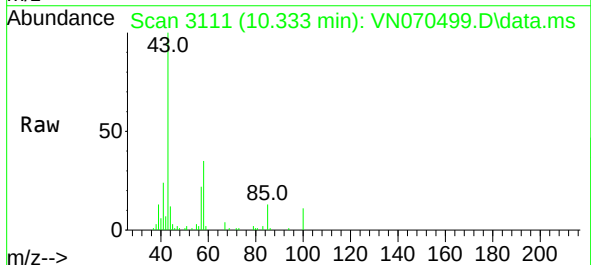
Instrument :
MSVOA_N
ClientSampleId :

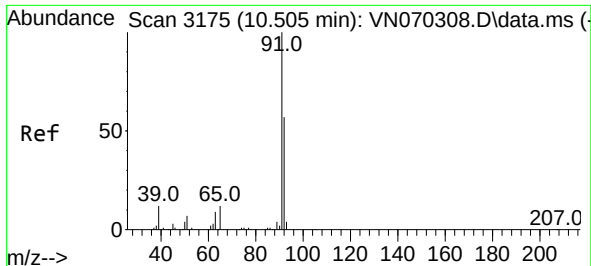
Tgt Ion: 98 Resp: 1937433
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.751 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Tgt Ion: 43 Resp: 34207
Ion Ratio Lower Upper
43 100
58 36.0 30.4 45.6

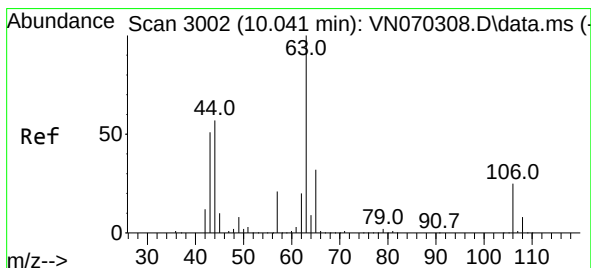
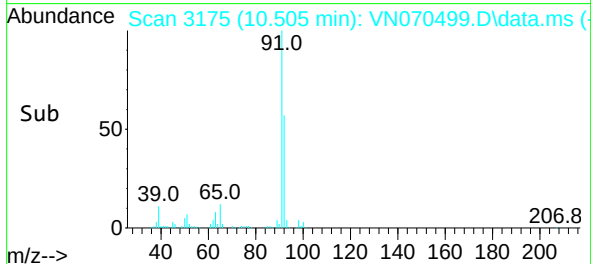
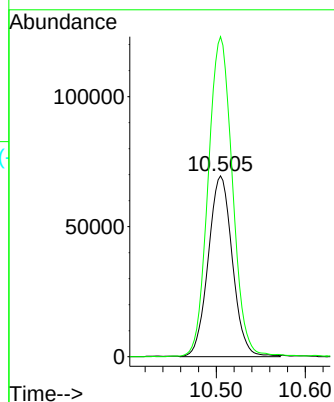
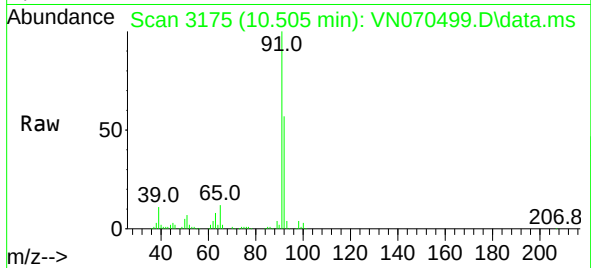




#52
Toluene
Concen: 4.629 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

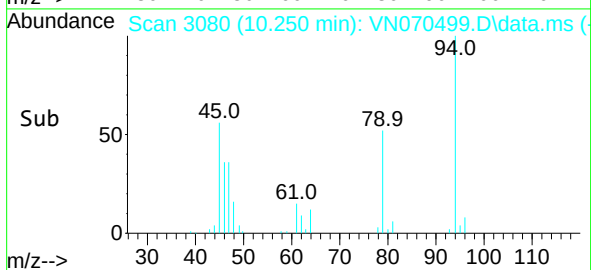
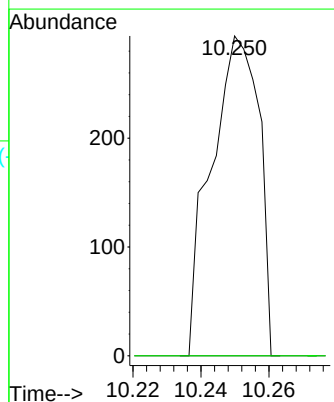
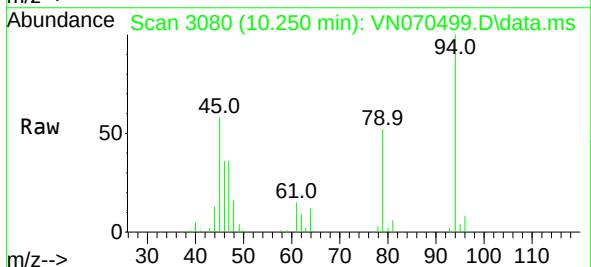
Instrument :
MSVOA_N
ClientSampleId :

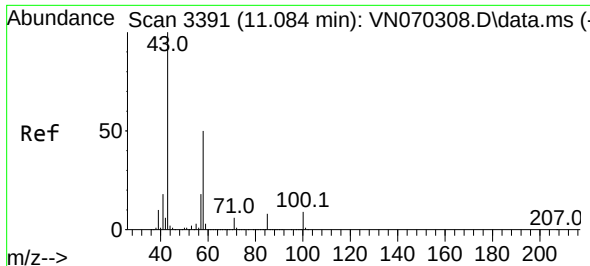
Tgt Ion: 92 Resp: 130663
Ion Ratio Lower Upper
92 100
91 179.1 142.0 213.0



#58
2-Chloroethyl Vinyl ether
Concen: 18.570 ug/l
RT: 10.250 min Scan# 3080
Delta R.T. 0.209 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Tgt Ion: 63 Resp: 288
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

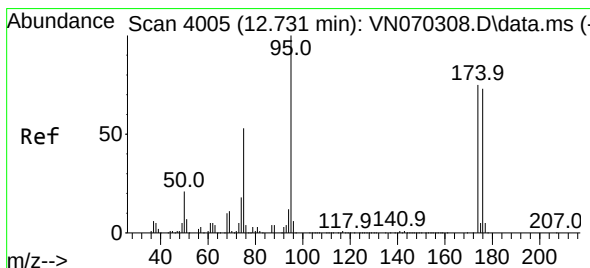
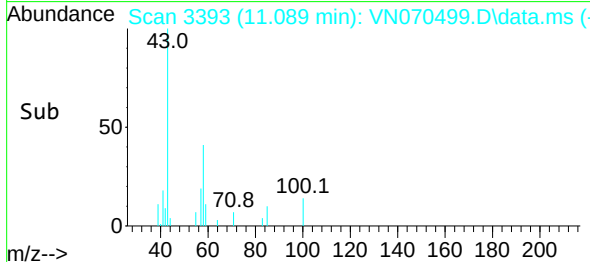
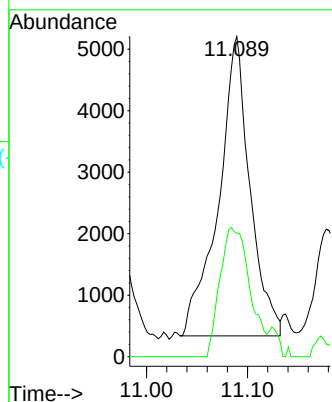
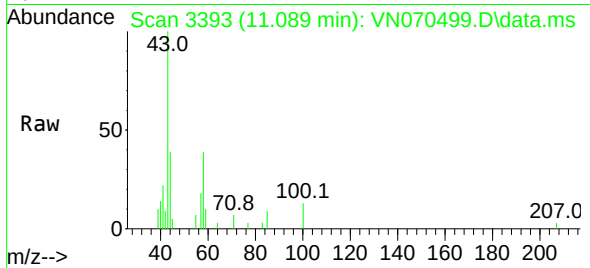




#59
2-Hexanone
Concen: 0.738 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

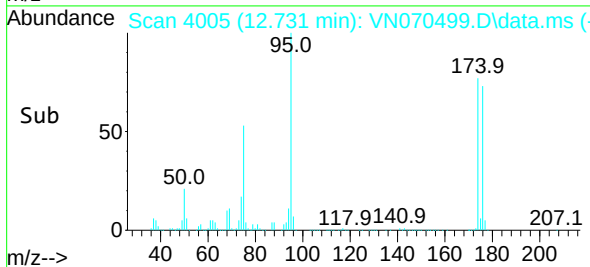
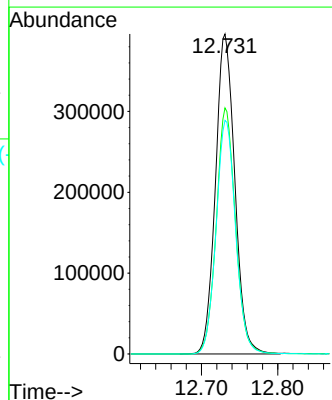
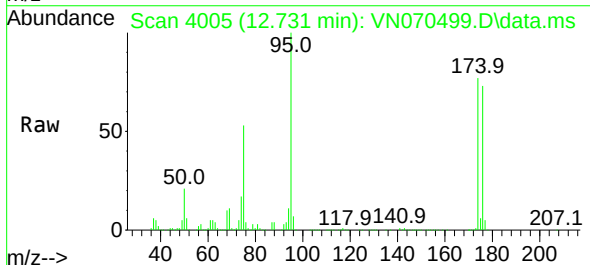
Instrument :
MSVOA_N
ClientSampleId :

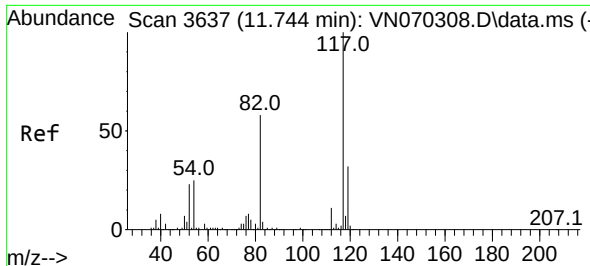
Tgt Ion: 43 Resp: 10513
Ion Ratio Lower Upper
43 100
58 41.1 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 51.442 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

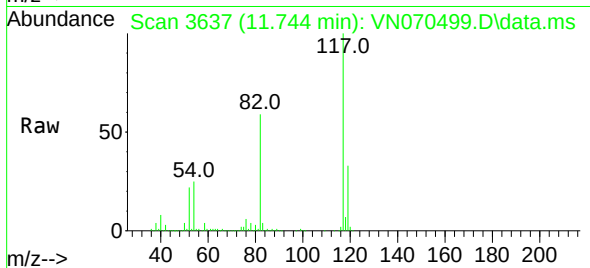
Tgt Ion: 95 Resp: 697970
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.6 0.0 181.4



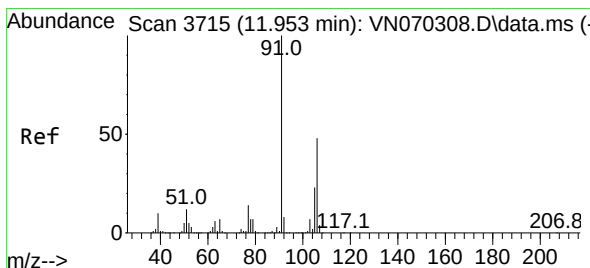
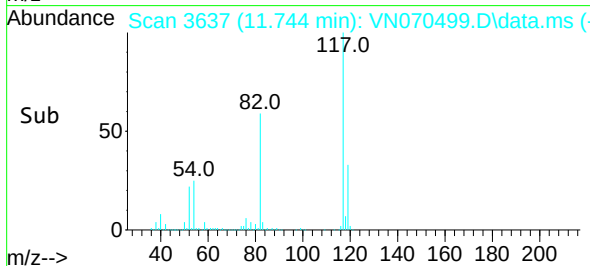
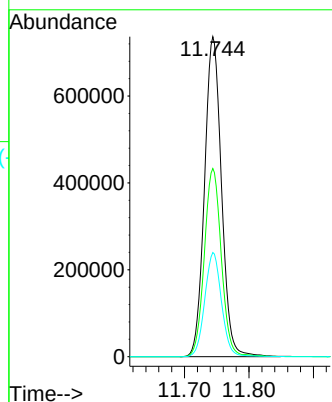


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Instrument :
MSVOA_N
ClientSampleId :

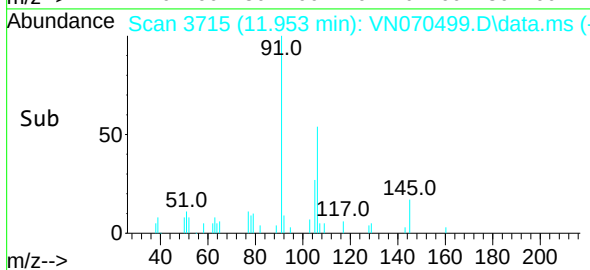
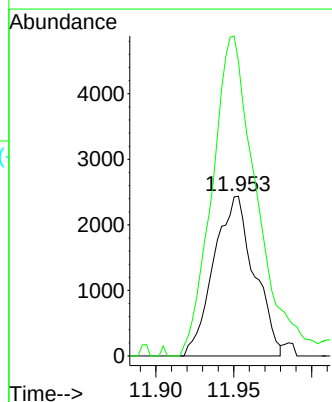
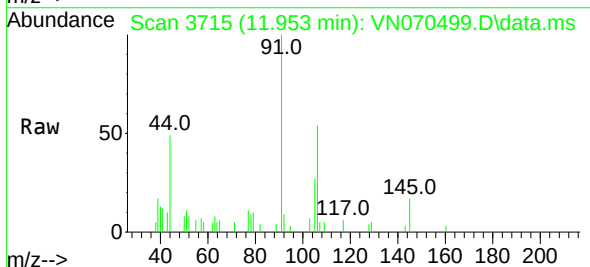


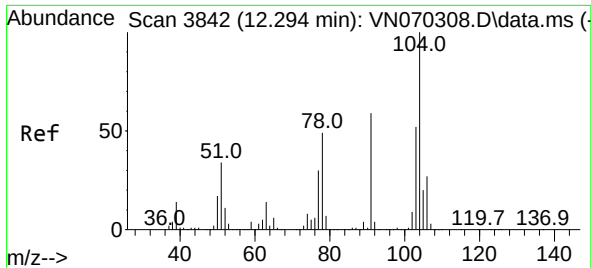
Tgt Ion:117 Resp: 1349576
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 32.5 25.4 38.2



#68
m/p-Xylenes
Concen: 0.231 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.000 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Tgt Ion:106 Resp: 4408
Ion Ratio Lower Upper
106 100
91 220.6 160.6 240.8

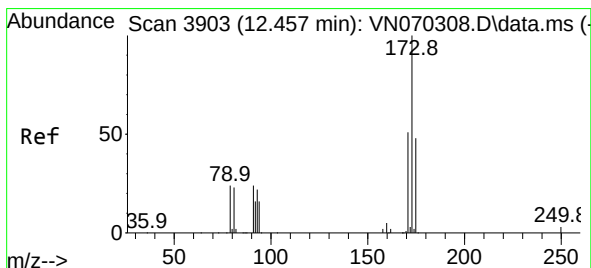
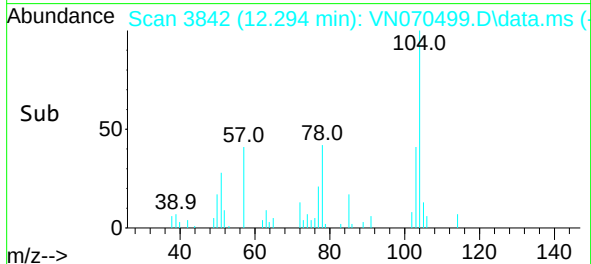
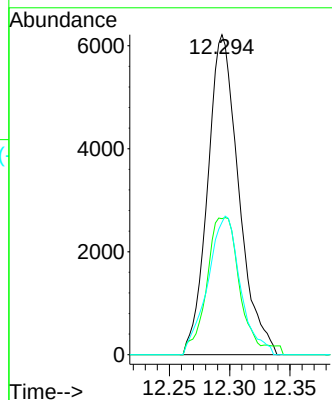
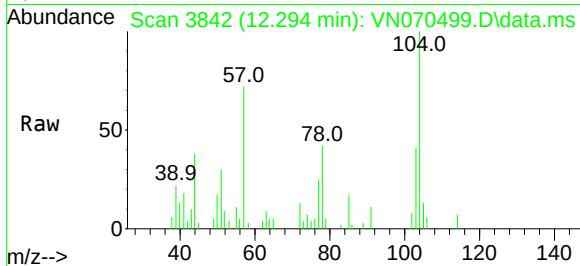




#70
Styrene
Concen: 0.370 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

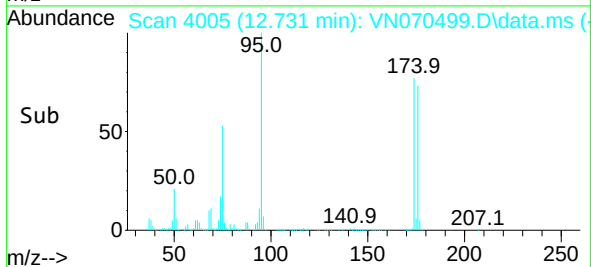
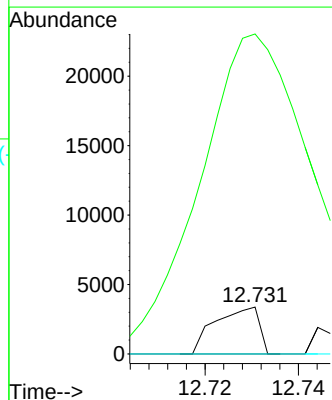
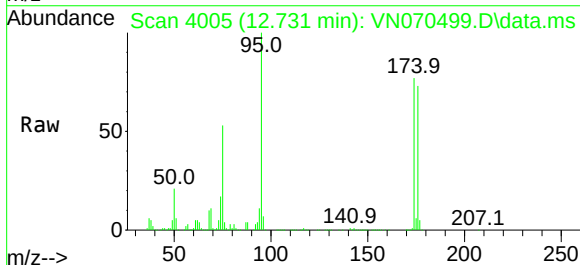
Instrument :
MSVOA_N
ClientSampleId :

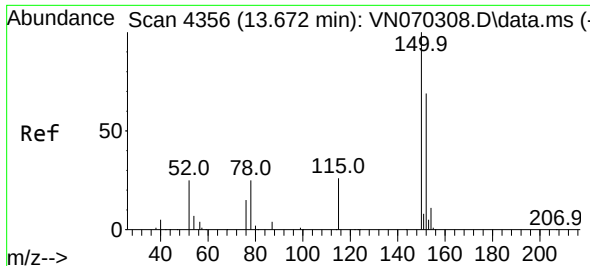
Tgt Ion:104	Resp:	11136
Ion Ratio	Lower	Upper
104	100	
78	45.9	38.7 58.1
103	45.3	45.0 67.6



#71
Bromoform
Concen: 0.290 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.274 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

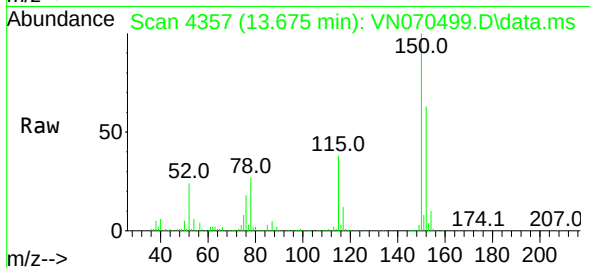
Tgt Ion:173	Resp:	2203
Ion Ratio	Lower	Upper
173	100	
175	1649.3	24.2 72.6#
254	0.0	0.0 0.0



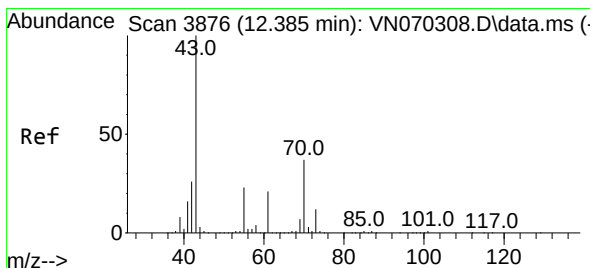
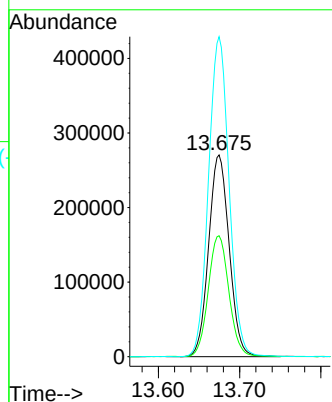
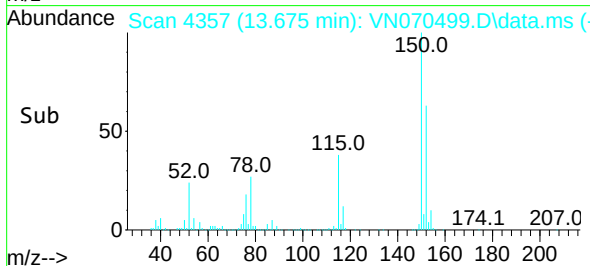


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070499.D
 Acq: 5 Jan 2022 19:19

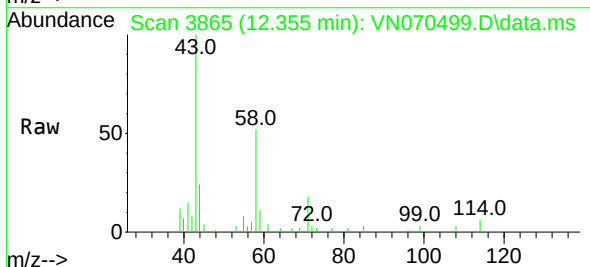
Instrument :
 MSVOA_N
 ClientSampleId :



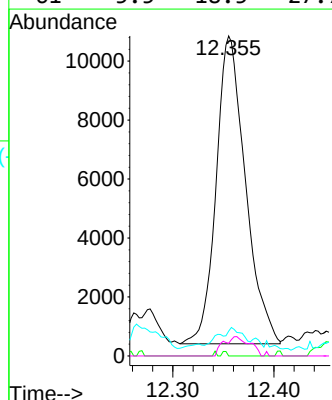
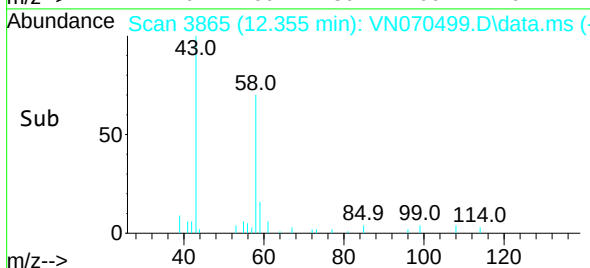
Tgt Ion:152 Resp: 476307
 Ion Ratio Lower Upper
 152 100
 115 59.9 27.5 82.5
 150 158.5 0.0 344.4

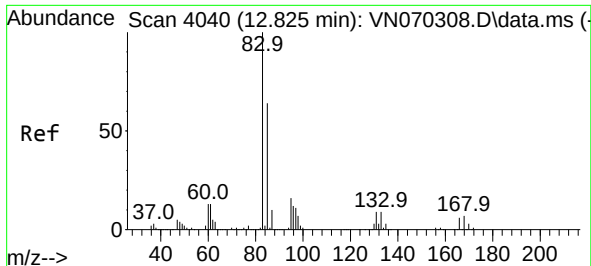


#74
 N-ethyl acetate
 Concen: 1.130 ug/l
 RT: 12.355 min Scan# 3865
 Delta R.T. -0.030 min
 Lab File: VN070499.D
 Acq: 5 Jan 2022 19:19



Tgt Ion: 43 Resp: 21025
 Ion Ratio Lower Upper
 43 100
 70 0.2 33.4 50.0#
 55 2.0 19.3 28.9#
 61 5.5 18.5 27.7#

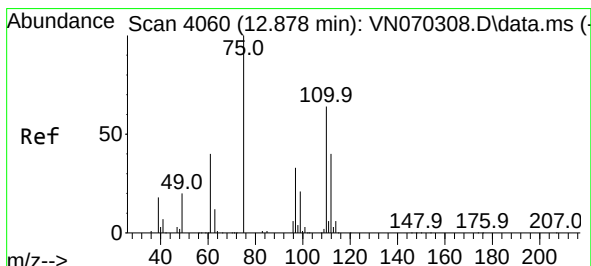
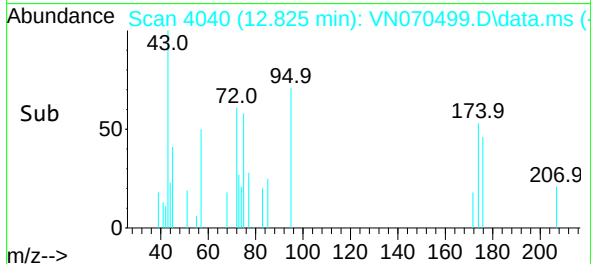
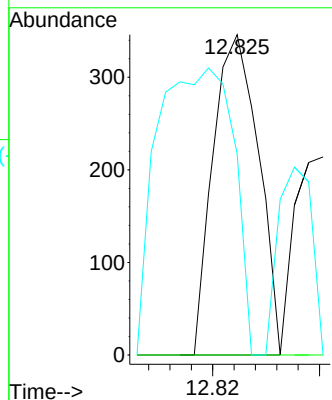
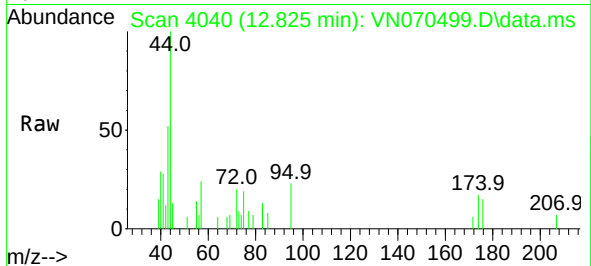




#75
1,1,2,2-Tetrachloroethane
Concen: 0.460 ug/l
RT: 12.825 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

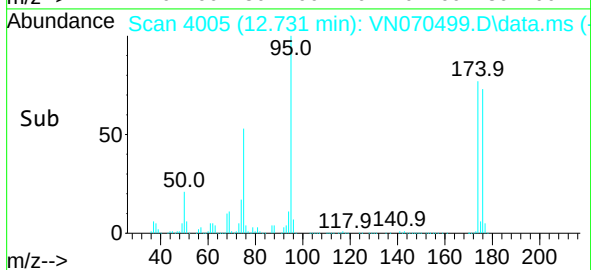
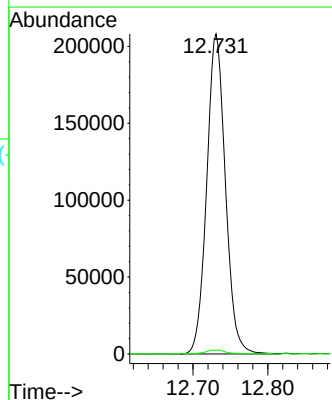
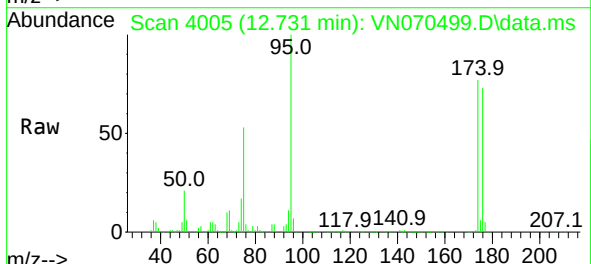
Instrument :
MSVOA_N
ClientSampleId :

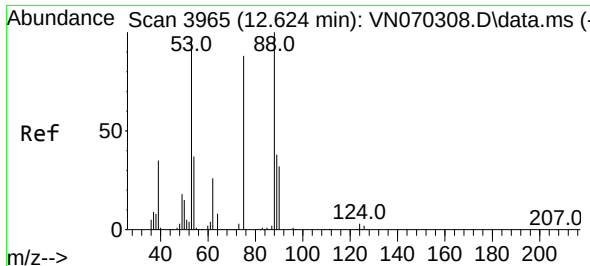
Tgt Ion: 83 Resp: 204
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 151.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.971 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

Tgt Ion: 75 Resp: 361535
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#

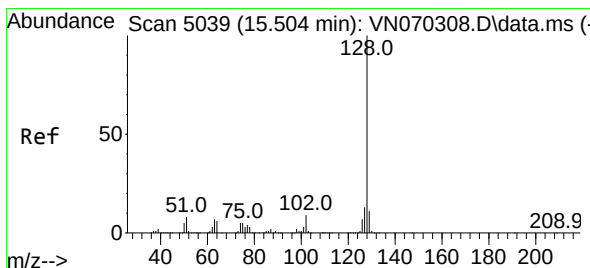
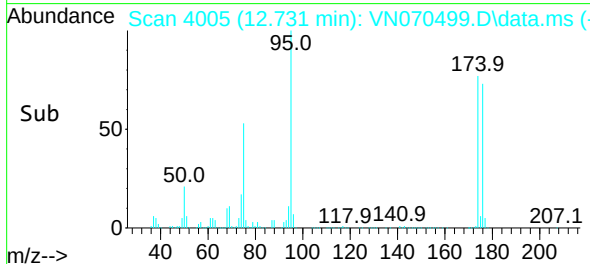
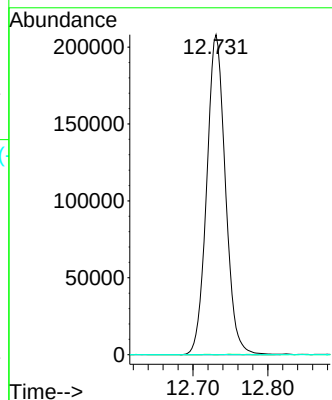
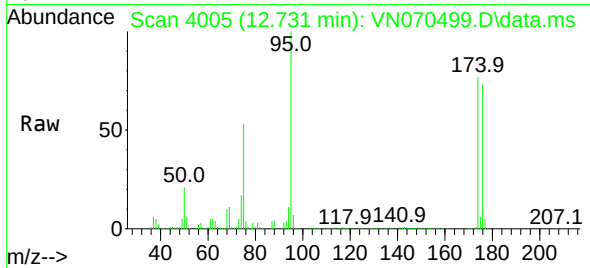




#81
trans-1,4-Dichloro-2-butene
Concen: 92.737 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

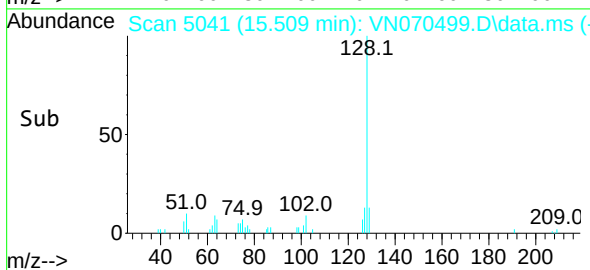
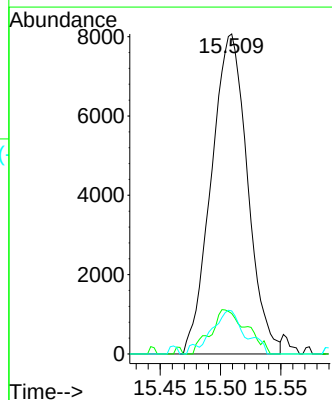
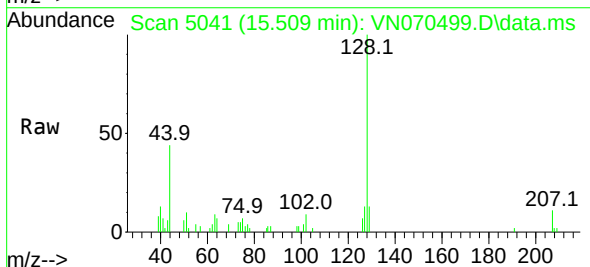
Instrument :
MSVOA_N
ClientSampleId :

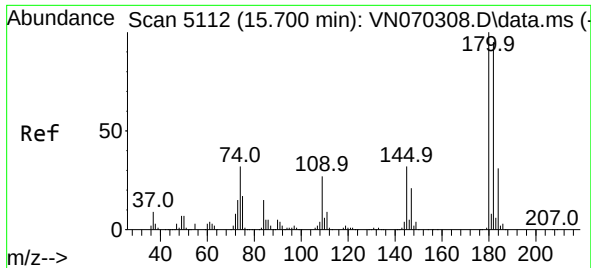
Tgt Ion: 75 Resp: 361535
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 2.545 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.005 min
Lab File: VN070499.D
Acq: 5 Jan 2022 19:19

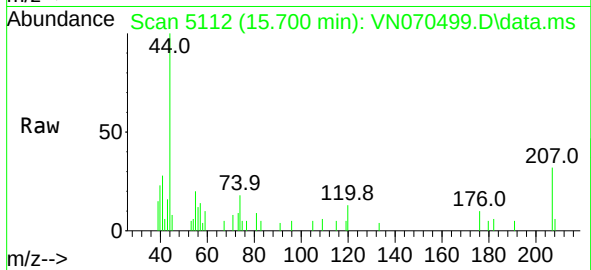
Tgt Ion:128 Resp: 16847
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 7.8 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.837 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070499.D
 Acq: 5 Jan 2022 19:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 83
 Ion Ratio Lower Upper
 180 100
 182 143.4 47.4 142.2#
 145 0.0 15.0 45.1#

