

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011922\
 Data File : VN070698.D
 Acq On : 19 Jan 2022 14:30
 Operator : JC/MD
 Sample : N1178-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 20 03:38:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

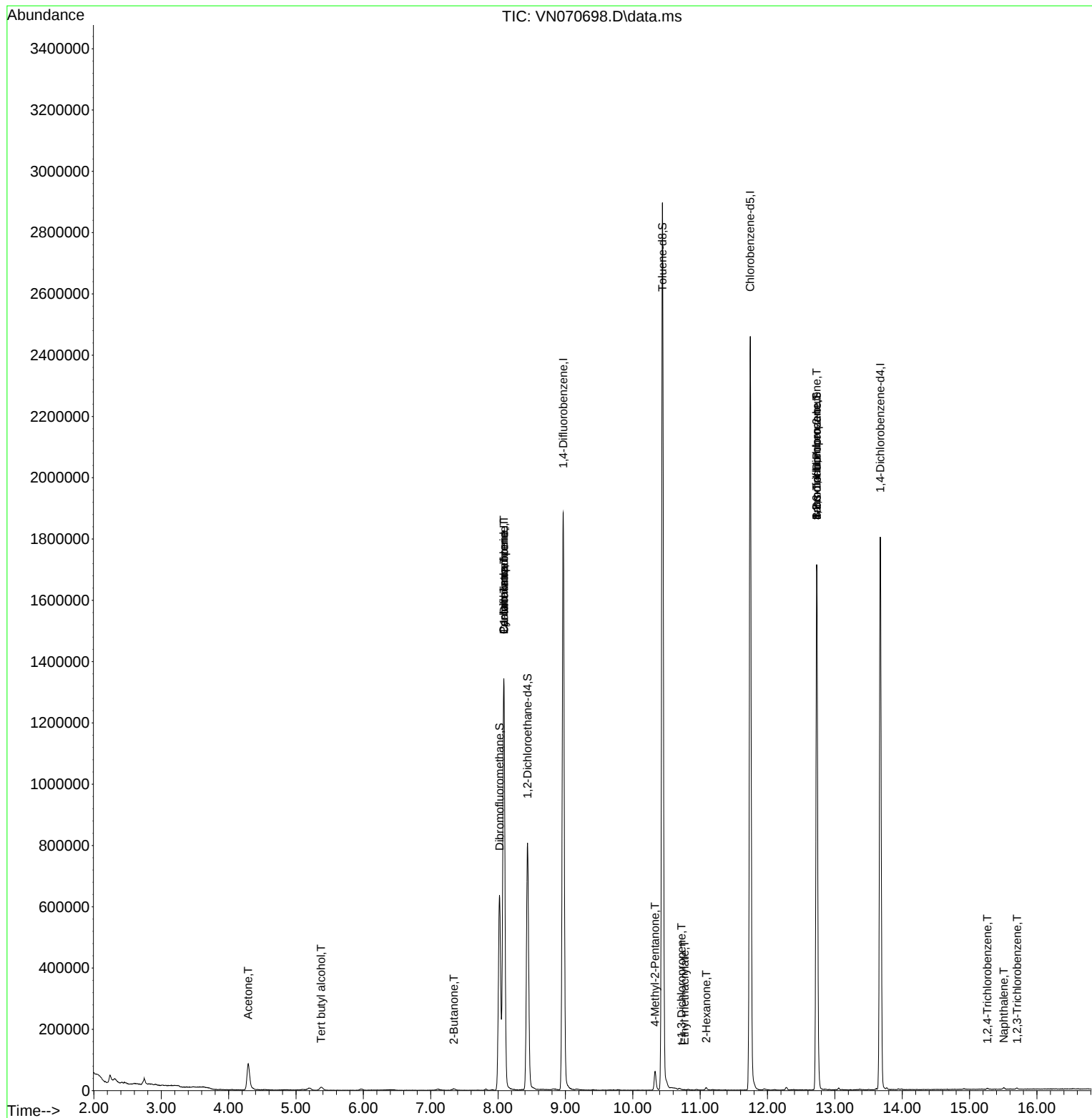
Internal Standards						
1) Pentafluorobenzene	8.086	168	1025433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1625728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1417471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	500347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	683867	46.534	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.060%
35) Dibromofluoromethane	8.021	113	473950	46.998	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.000%
50) Toluene-d8	10.441	98	2016761	47.472	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.940%
62) 4-Bromofluorobenzene	12.731	95	635123	41.954	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	83.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.374	59	17553	6.620	ug/l #	79
16) Acetone	4.291	43	162041	15.886	ug/l	98
25) 2-Butanone	7.343	43	8622	0.672	ug/l	98
30) Chloroform	7.818	83	3894	Below Cal		99
31) Cyclohexane	8.086	56	23004	0.889	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	84726	4.991	ug/l #	48
38) Carbon Tetrachloride	8.086	117	102895	6.813	ug/l #	17
51) 4-Methyl-2-Pentanone	10.331	43	49042	2.233	ug/l	96
53) t-1,3-Dichloropropene	10.725	75	98	2.408	ug/l #	43
56) Ethyl methacrylate	10.770	69	116	2.306	ug/l #	1
59) 2-Hexanone	11.090	43	5694	0.357	ug/l	96
71) Bromoform	12.731	173	3059	0.383	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	330647	24.916	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	330647	74.229	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	1212	3.547	ug/l	90
95) Naphthalene	15.507	128	5267	5.131	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.705	180	1521	3.377	ug/l	92

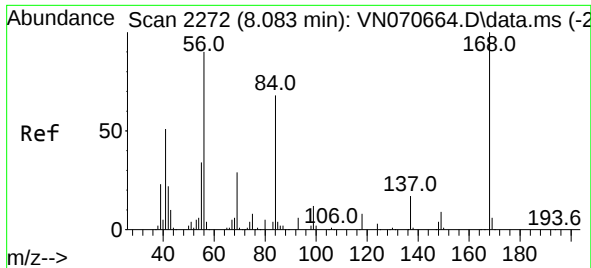
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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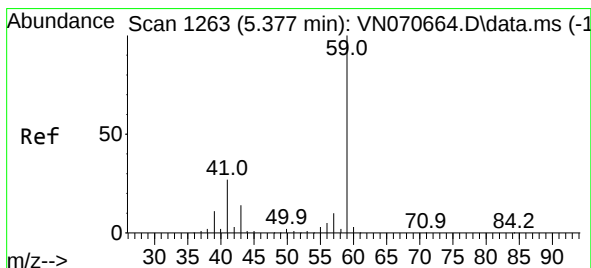
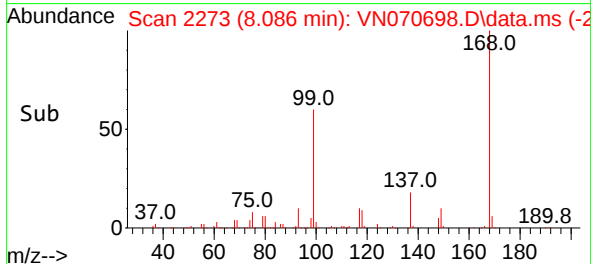
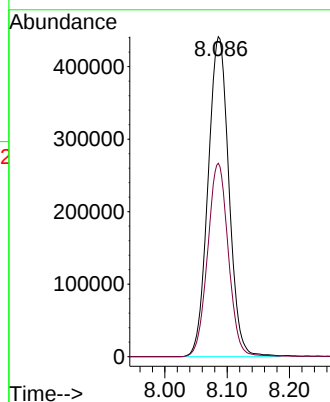
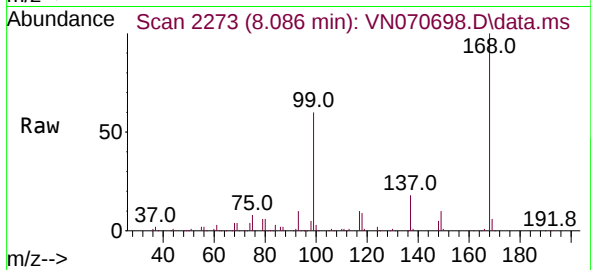




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

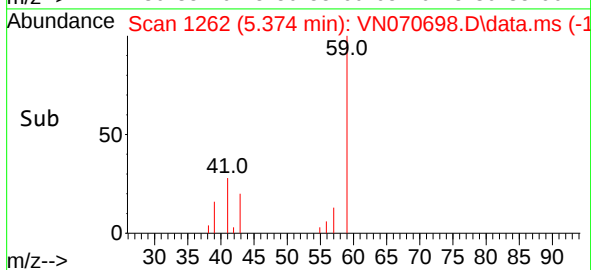
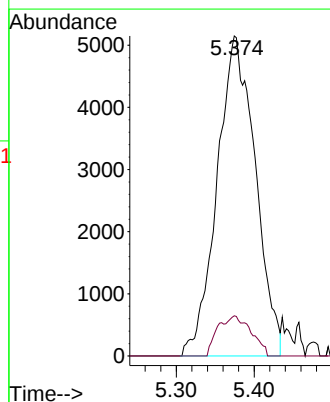
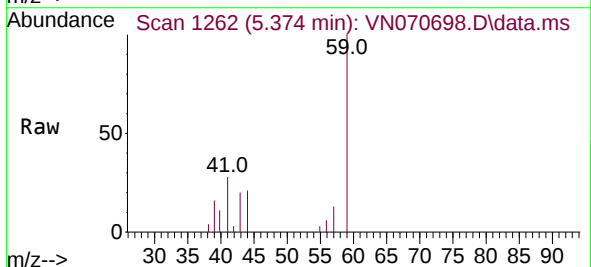
Instrument :
MSVOA_N
ClientSampleId :

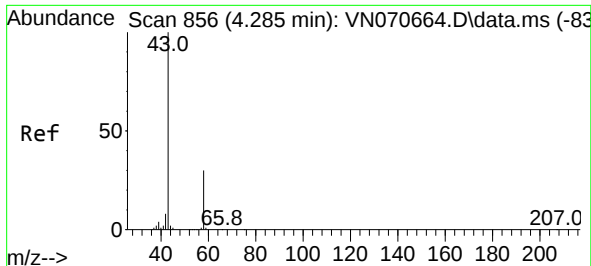
Tgt Ion:168 Resp: 1025433
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 6.620 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. -0.003 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

Tgt Ion: 59 Resp: 17553
Ion Ratio Lower Upper
59 100
57 2.9 8.7 13.1#

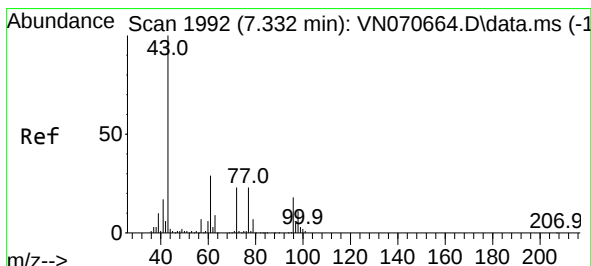
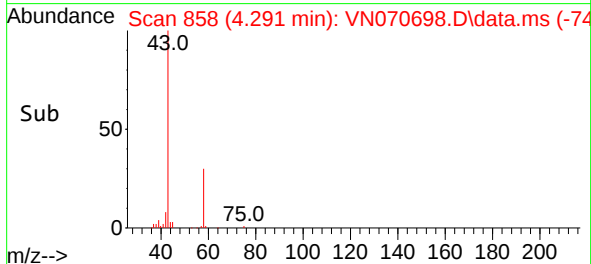
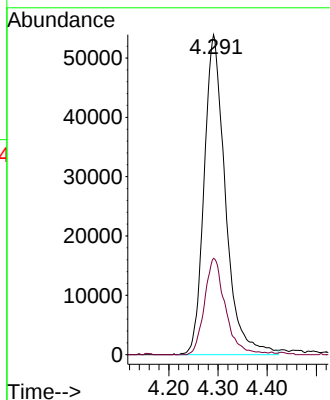
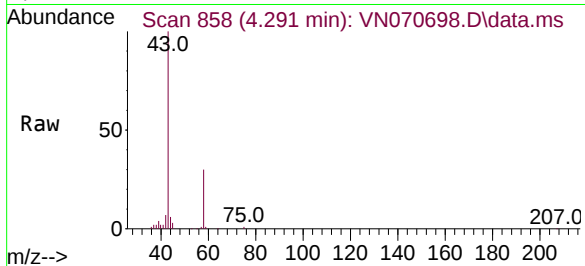




#16
Acetone
Concen: 15.886 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

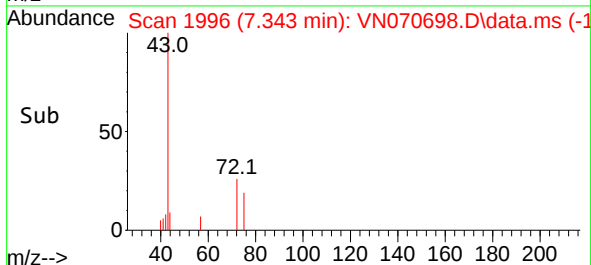
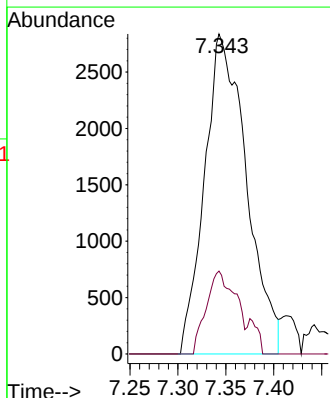
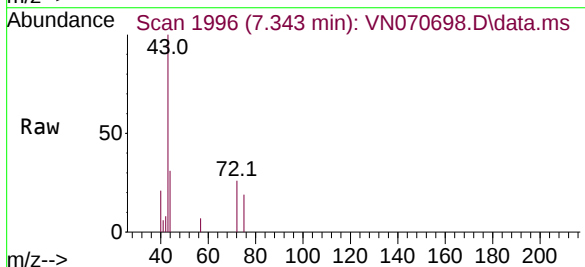
Instrument :
MSVOA_N
ClientSampleId :

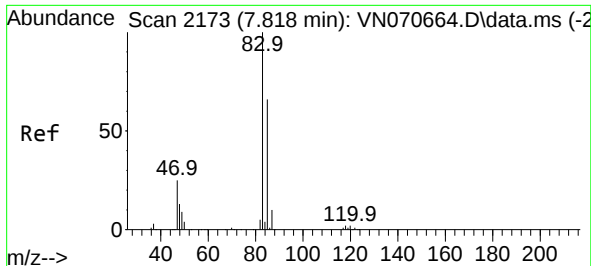
Tgt Ion: 43 Resp: 162041
Ion Ratio Lower Upper
43 100
58 30.1 23.1 34.7



#25
2-Butanone
Concen: 0.672 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

Tgt Ion: 43 Resp: 8622
Ion Ratio Lower Upper
43 100
72 25.9 21.7 32.5

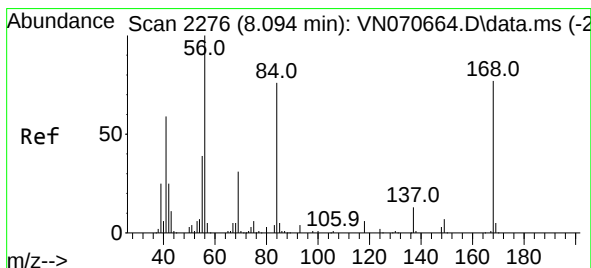
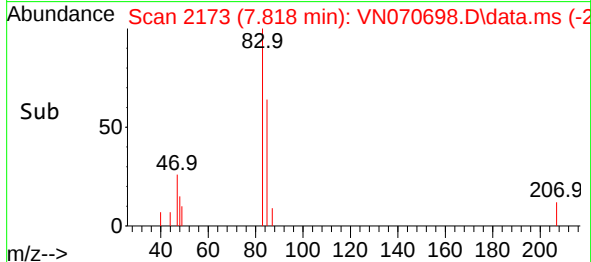
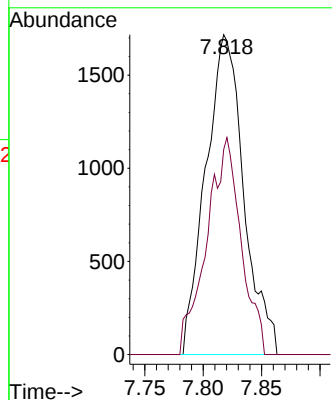
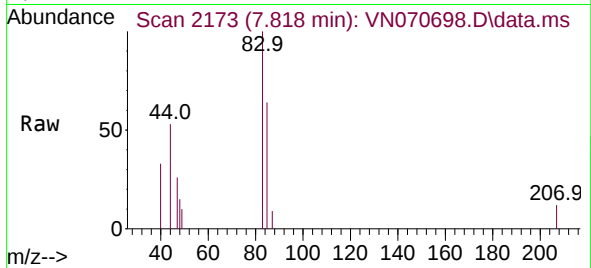




#30
Chloroform
Concen: Below Cal
RT: 7.818 min Scan# 2173
Delta R.T. -0.000 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

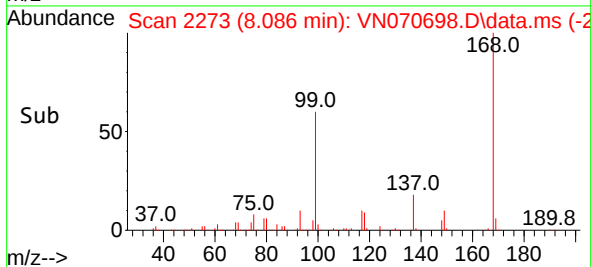
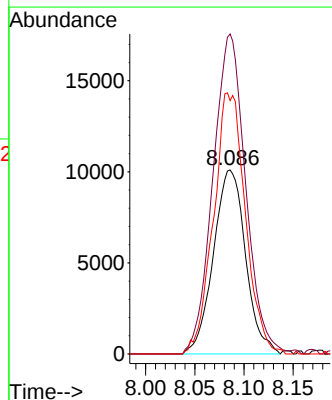
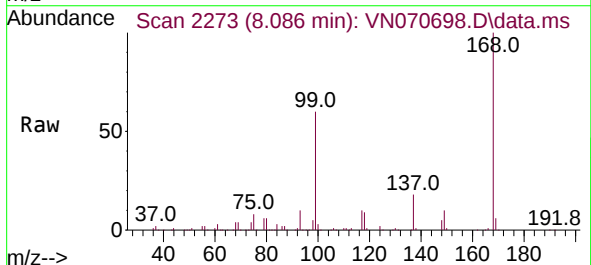
Instrument :
MSVOA_N
ClientSampleId :

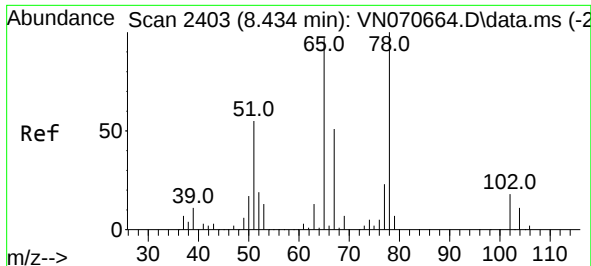
Tgt Ion: 83 Resp: 3894
Ion Ratio Lower Upper
83 100
85 64.1 51.9 77.9



#31
Cyclohexane
Concen: 0.889 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

Tgt Ion: 56 Resp: 23004
Ion Ratio Lower Upper
56 100
69 173.9 27.1 40.7#
84 137.7 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 46.534 ug/l

RT: 8.437 min Scan# 2403

Delta R.T. 0.003 min

Lab File: VN070698.D

Acq: 19 Jan 2022 14:30

Instrument :

MSVOA_N

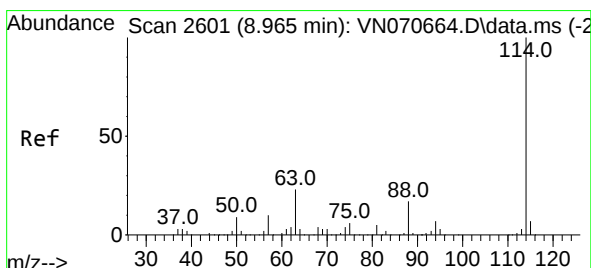
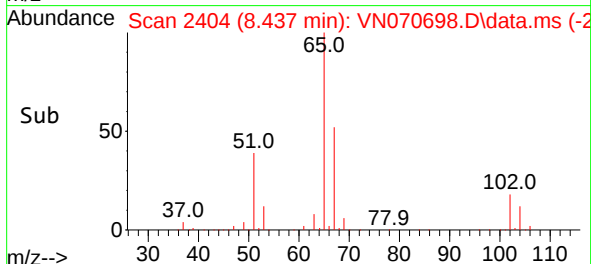
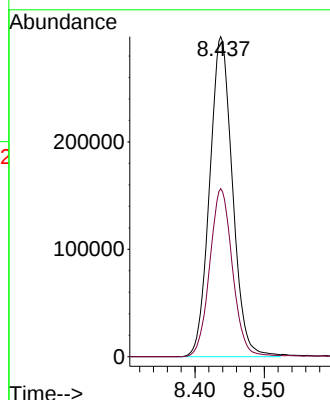
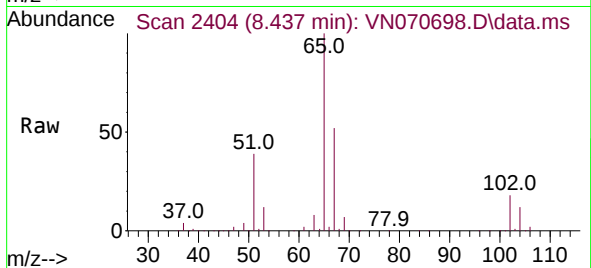
ClientSampleId :

Tgt Ion: 65 Resp: 683867

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070698.D

Acq: 19 Jan 2022 14:30

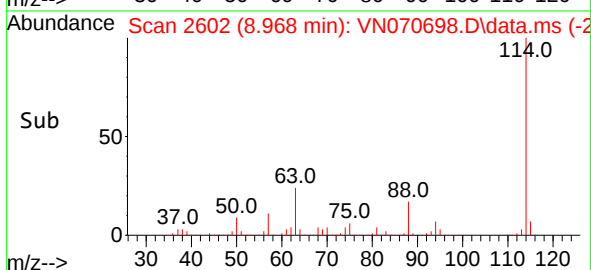
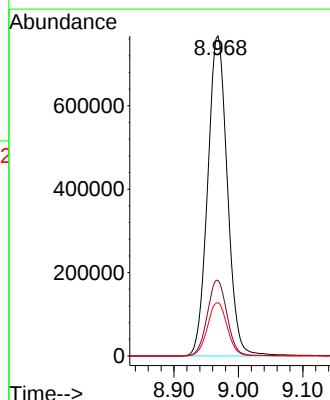
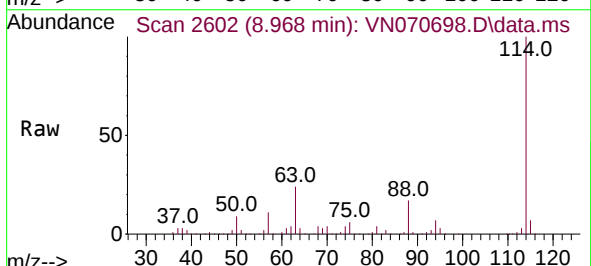
Tgt Ion: 114 Resp: 1625728

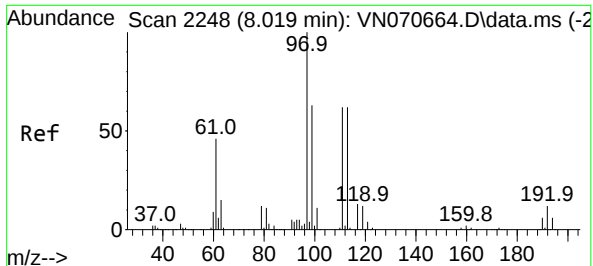
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

88 16.6 0.0 27.4





#35

Dibromofluoromethane

Concen: 46.998 ug/l

RT: 8.021 min Scan# 2248

Delta R.T. 0.002 min

Lab File: VN070698.D

Acq: 19 Jan 2022 14:30

Instrument :

MSVOA_N

ClientSampleId :

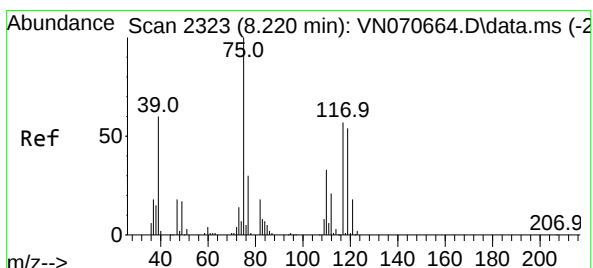
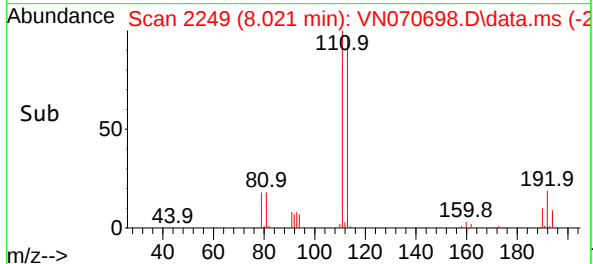
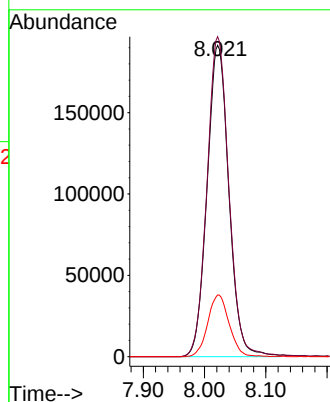
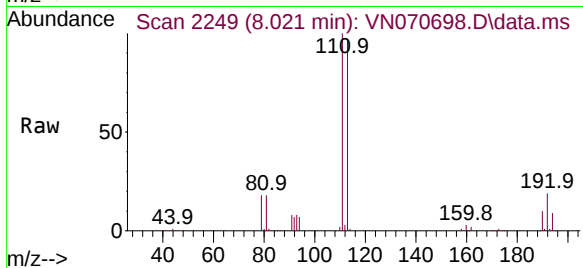
Tgt Ion:113 Resp: 473950

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

192 19.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.991 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.134 min

Lab File: VN070698.D

Acq: 19 Jan 2022 14:30

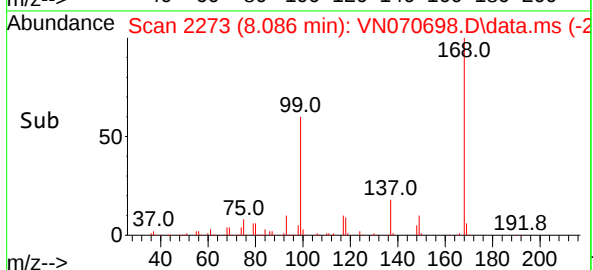
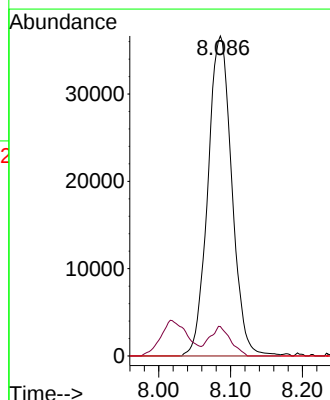
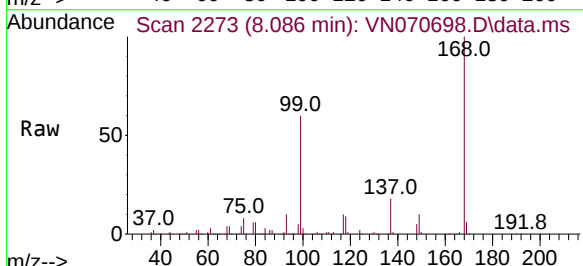
Tgt Ion: 75 Resp: 84726

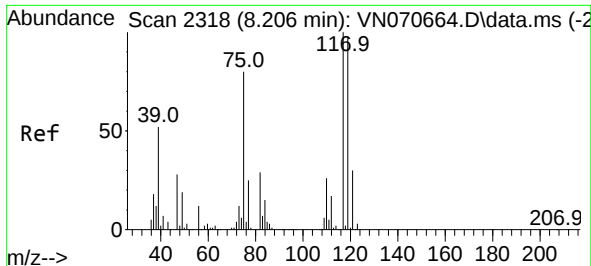
Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.2#

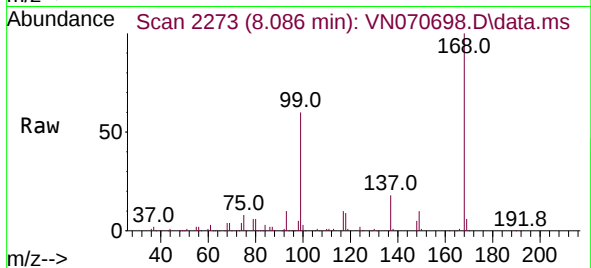
77 0.0 24.4 36.6#



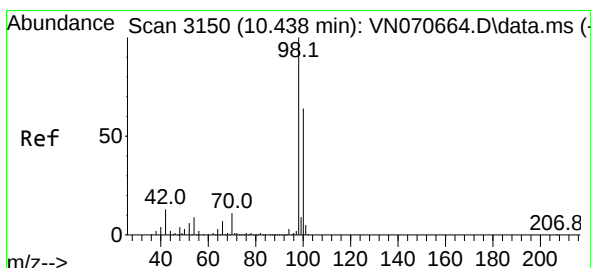
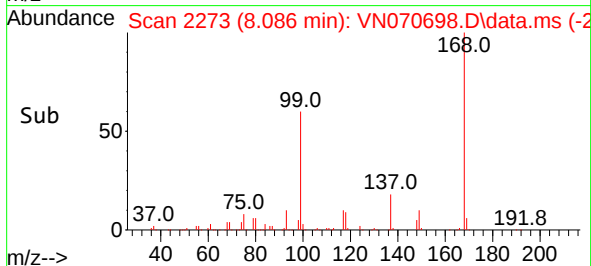
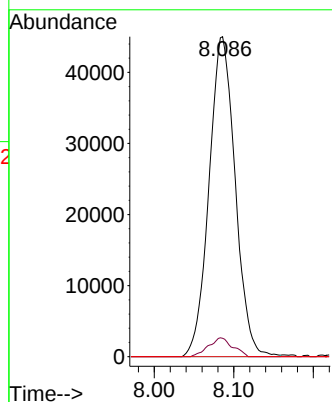


#38
Carbon Tetrachloride
Concen: 6.813 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

Instrument :
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ClientSampleId :

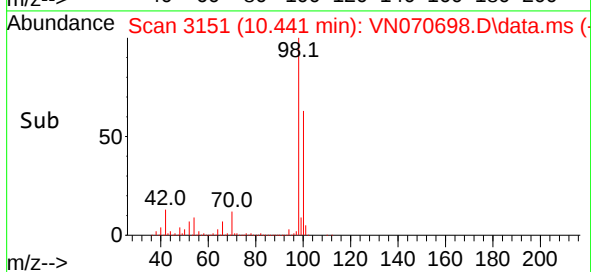
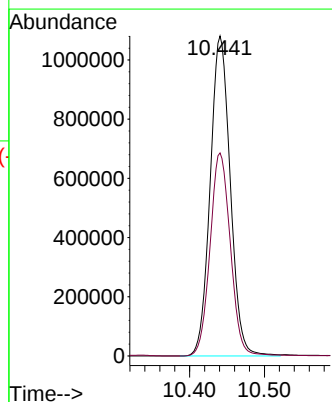
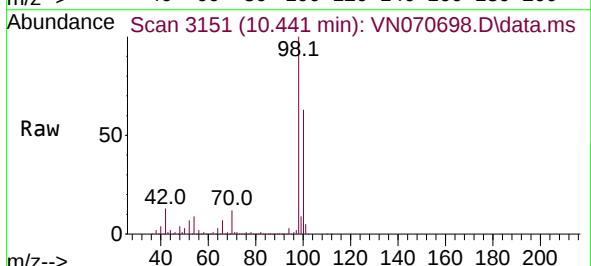


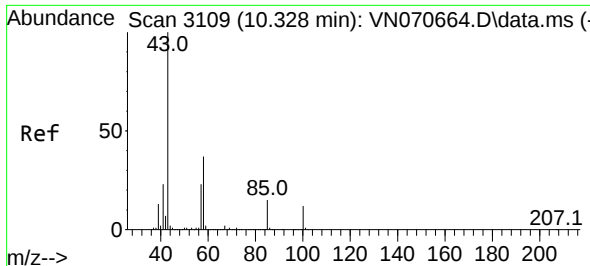
Tgt Ion:117 Resp: 102895
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.472 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

Tgt Ion: 98 Resp: 2016761
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 2.233 ug/l

RT: 10.331 min Scan# 3110

Delta R.T. 0.003 min

Lab File: VN070698.D

Acq: 19 Jan 2022 14:30

Instrument :

MSVOA_N

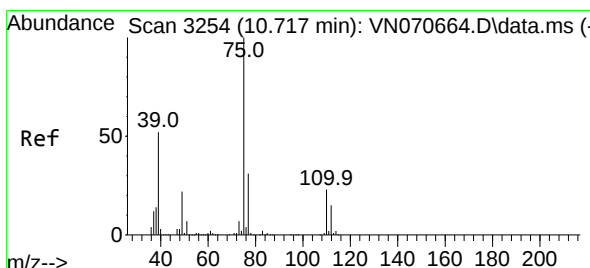
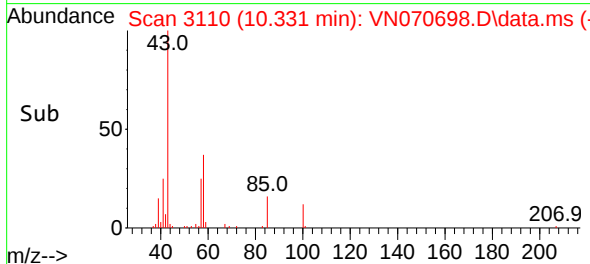
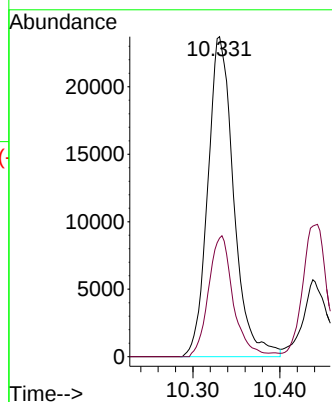
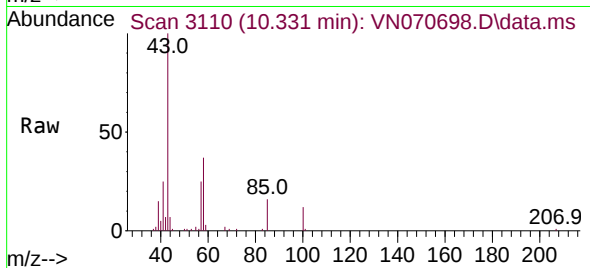
ClientSampleId :

Tgt Ion: 43 Resp: 49042

Ion Ratio Lower Upper

43 100

58 35.8 30.4 45.6



#53

t-1,3-Dichloropropene

Concen: 2.408 ug/l

RT: 10.725 min Scan# 3257

Delta R.T. 0.008 min

Lab File: VN070698.D

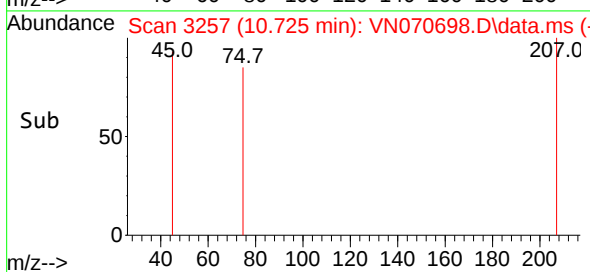
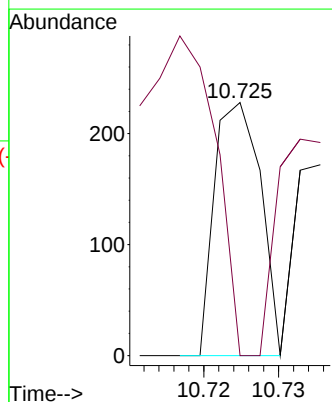
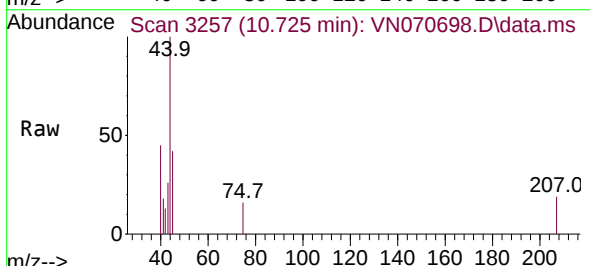
Acq: 19 Jan 2022 14:30

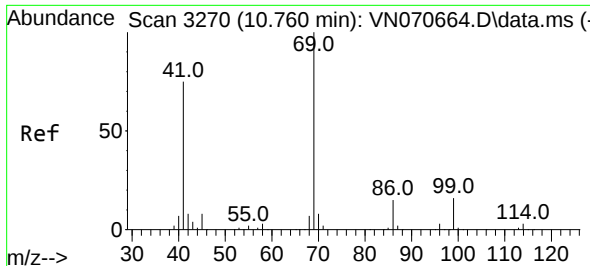
Tgt Ion: 75 Resp: 98

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

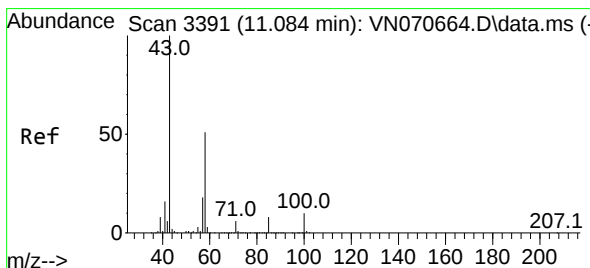
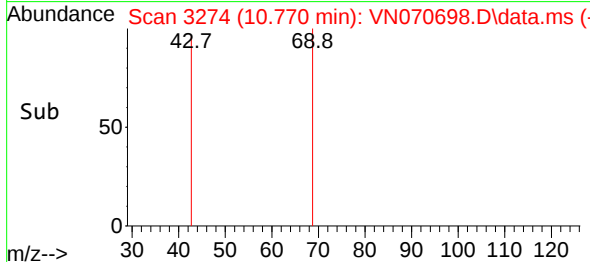
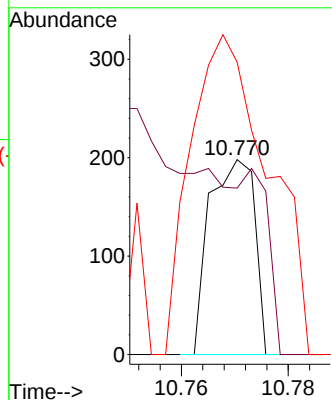
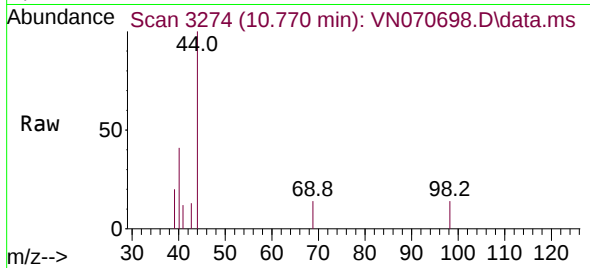




#56
Ethyl methacrylate
Concen: 2.306 ug/l
RT: 10.770 min Scan# 31
Delta R.T. 0.010 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

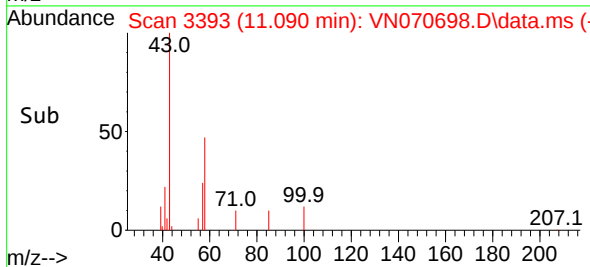
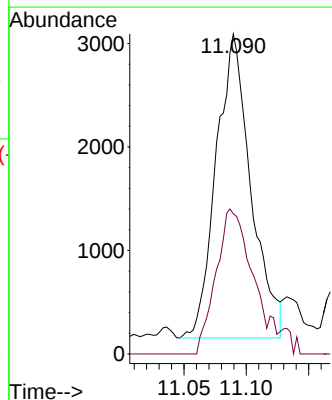
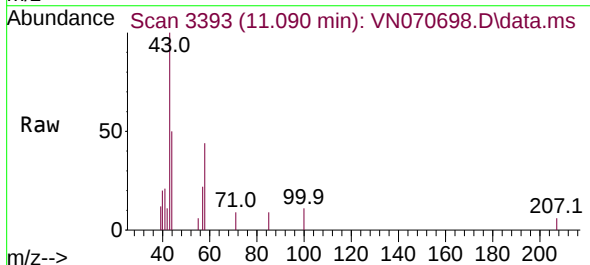
Instrument :
MSVOA_N
ClientSampleId :

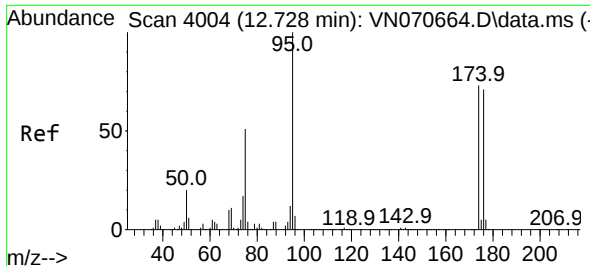
Tgt Ion: 69 Resp: 116
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 284.5 34.6 52.0#



#59
2-Hexanone
Concen: 0.357 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.006 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

Tgt Ion: 43 Resp: 5694
Ion Ratio Lower Upper
43 100
58 51.2 26.9 80.7

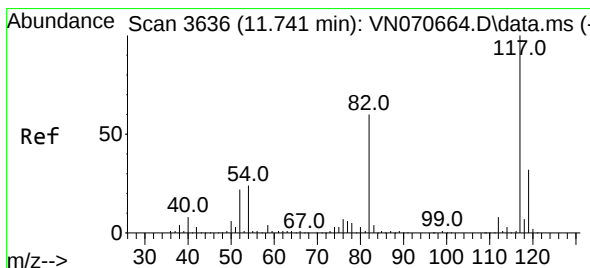
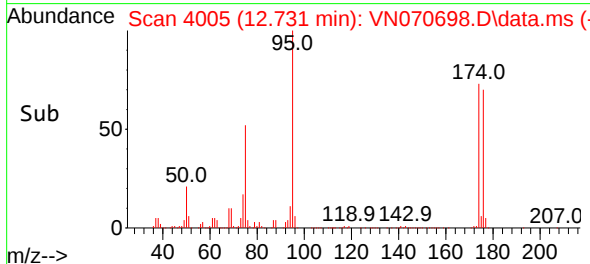
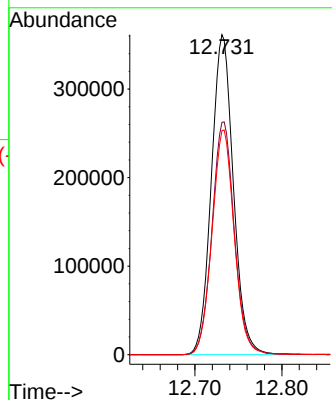
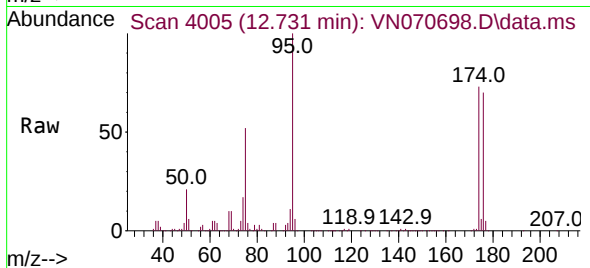




#62
4-Bromofluorobenzene
Concen: 41.954 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

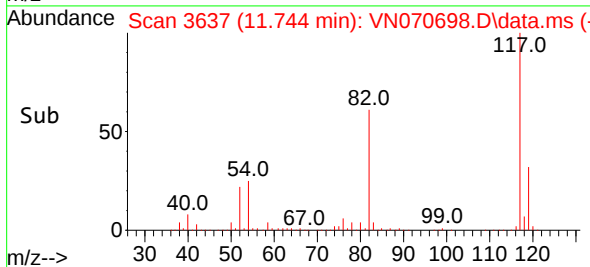
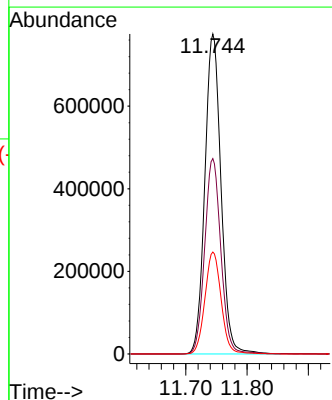
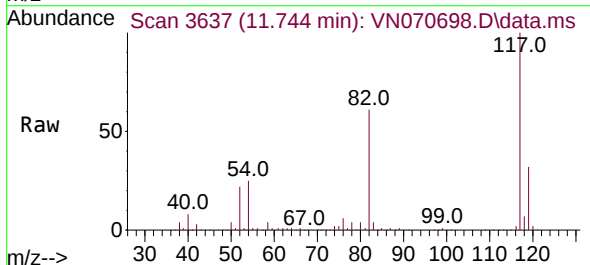
Instrument :
MSVOA_N
ClientSampleId :

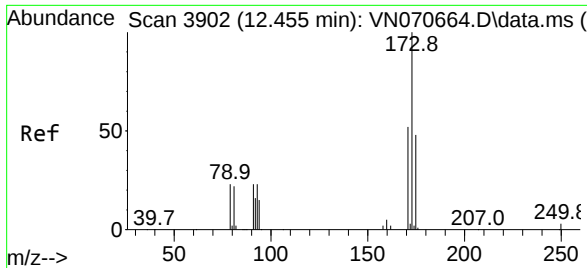
Tgt Ion: 95 Resp: 635123
Ion Ratio Lower Upper
95 100
174 74.1 0.0 187.2
176 70.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

Tgt Ion: 117 Resp: 1417471
Ion Ratio Lower Upper
117 100
82 61.0 42.4 63.6
119 31.8 25.4 38.2

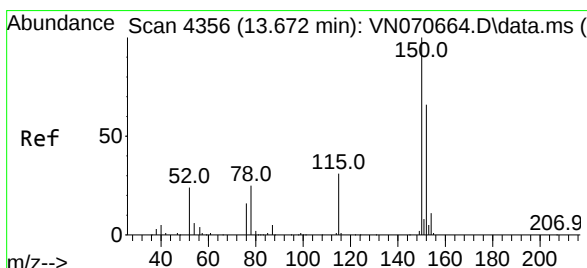
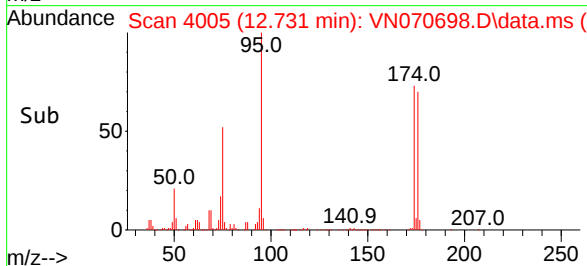
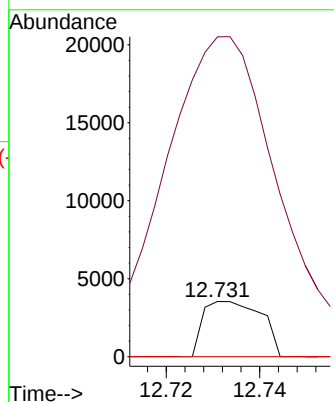
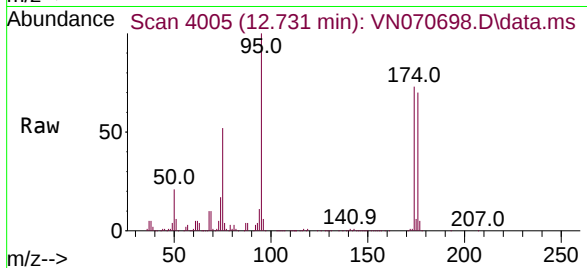




#71
Bromoform
Concen: 0.383 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.276 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

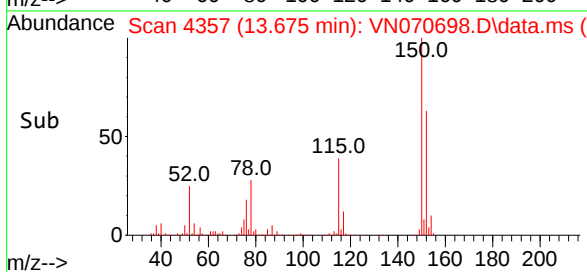
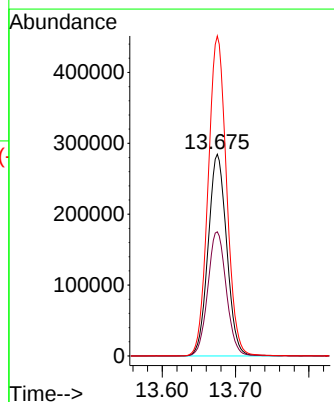
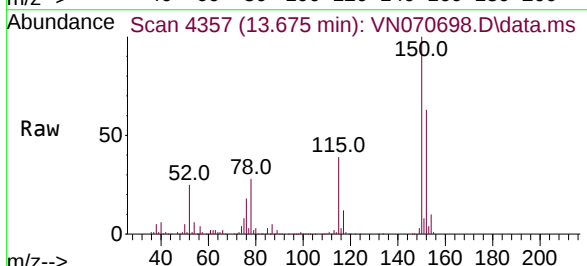
Instrument :
MSVOA_N
ClientSampleId :

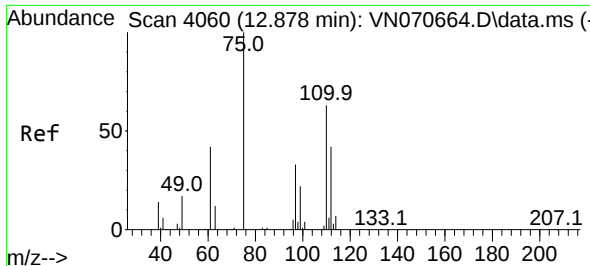
Tgt Ion:173 Resp: 3059
Ion Ratio Lower Upper
173 100
175 1025.4 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

Tgt Ion:152 Resp: 500347
Ion Ratio Lower Upper
152 100
115 61.6 27.5 82.5
150 157.5 0.0 344.4

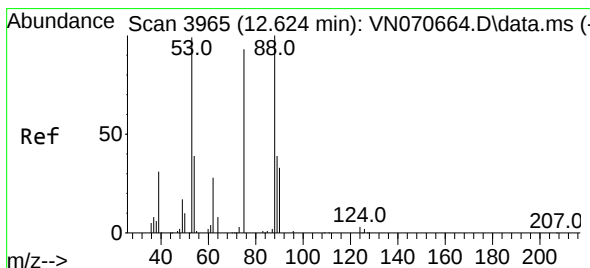
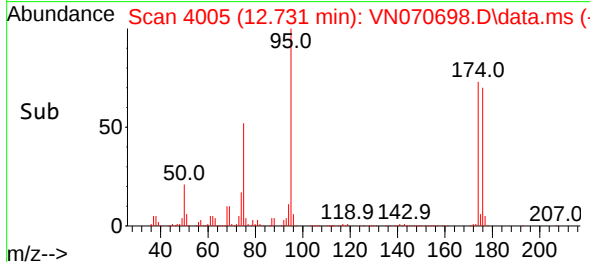
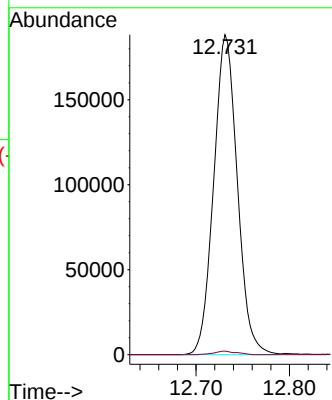
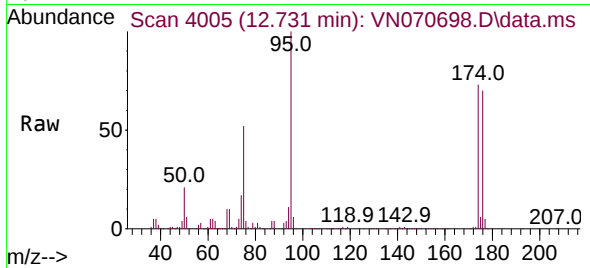




#76
1,2,3-Trichloropropane
Concen: 24.916 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

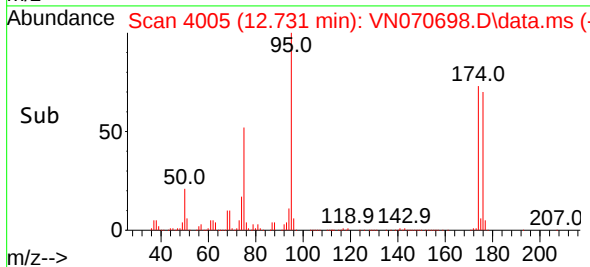
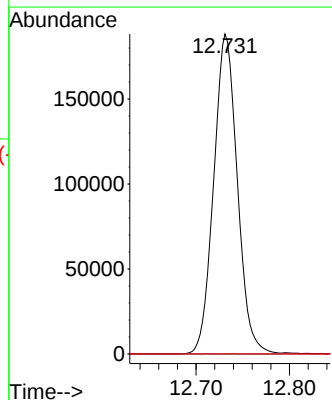
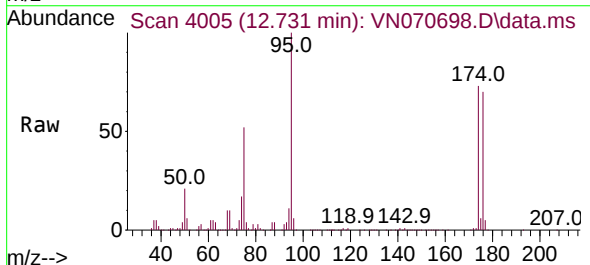
Instrument :
MSVOA_N
ClientSampleId :

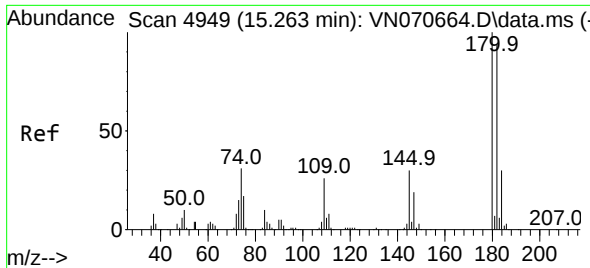
Tgt Ion: 75 Resp: 330647
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.229 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

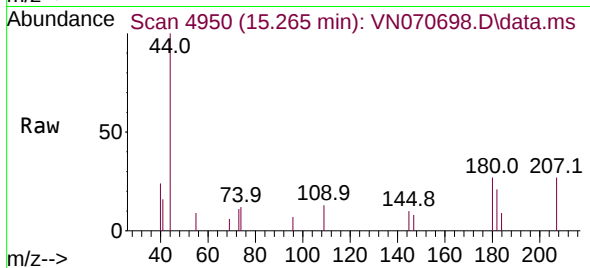
Tgt Ion: 75 Resp: 330647
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



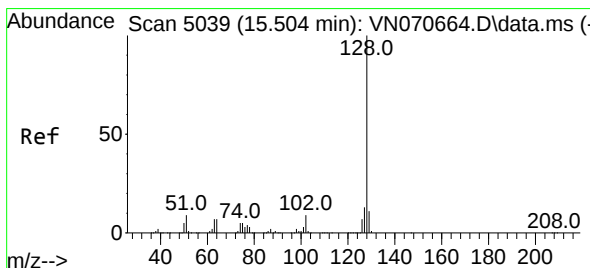
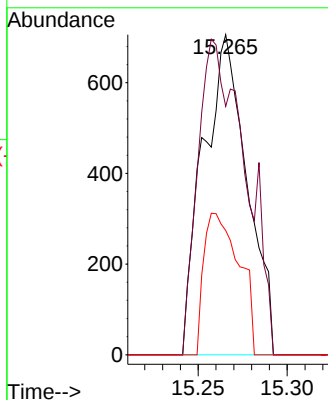
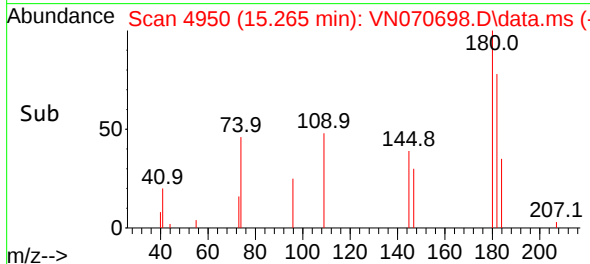


#93
1,2,4-Trichlorobenzene
Concen: 3.547 ug/l
RT: 15.265 min Scan# 4949
Delta R.T. 0.002 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30

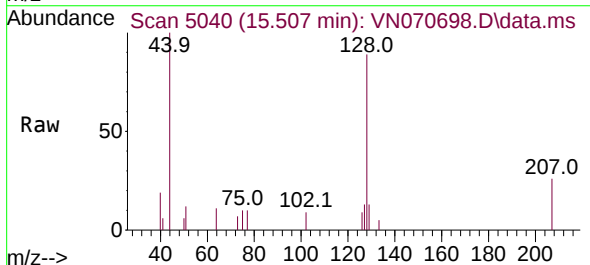
Instrument :
MSVOA_N
ClientSampleId :



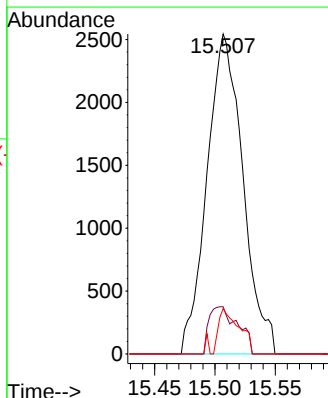
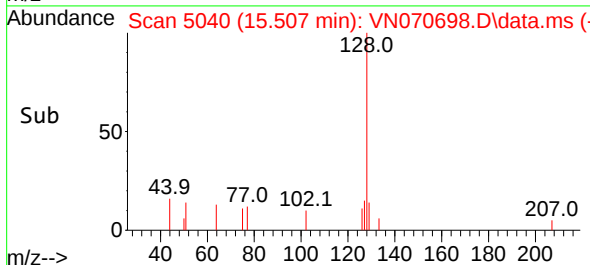
Tgt Ion:180 Resp: 1212
Ion Ratio Lower Upper
180 100
182 106.1 48.3 144.9
145 35.4 14.5 43.5

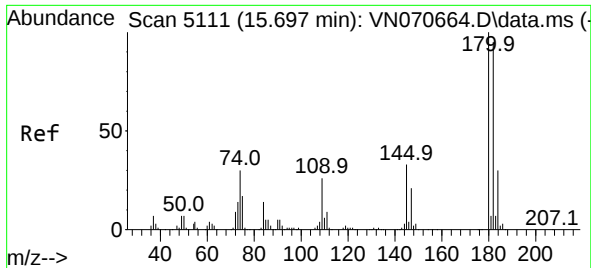


#95
Naphthalene
Concen: 5.131 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070698.D
Acq: 19 Jan 2022 14:30



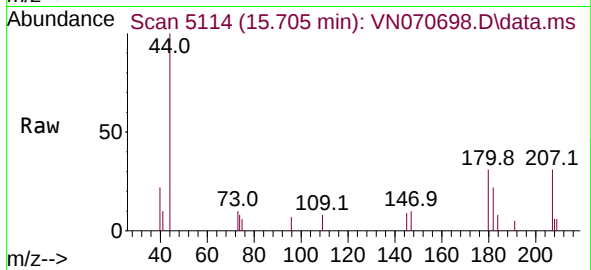
Tgt Ion:128 Resp: 5267
Ion Ratio Lower Upper
128 100
127 11.8 10.5 15.7
129 8.1 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.377 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.008 min
 Lab File: VN070698.D
 Acq: 19 Jan 2022 14:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1521
Ion	Ratio	Lower	Upper
180	100		
182	100.7	47.4	142.2
145	23.3	15.0	45.1

