

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070199.D
 Acq On : 18 Dec 2021 7:06
 Operator : JC/MD
 Sample : M5115-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 07:25:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

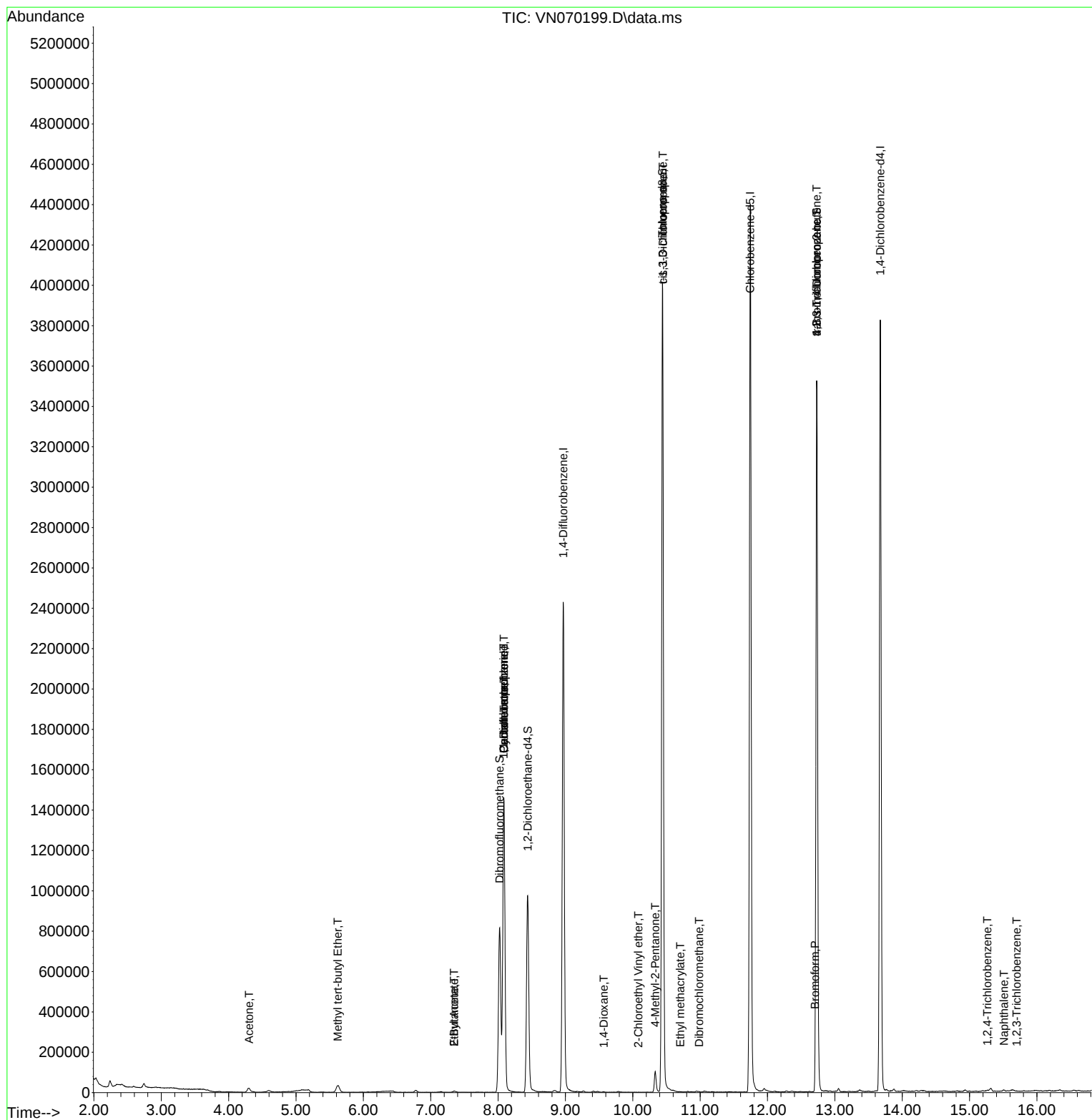
Internal Standards						
1) Pentafluorobenzene	8.086	168	1087661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2064019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2448251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1030787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	855596	50.948	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.900%
35) Dibromofluoromethane	8.024	113	609791	47.166	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.340%
50) Toluene-d8	10.441	98	2752915	53.030	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.060%
62) 4-Bromofluorobenzene	12.731	95	1247545	66.335	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	132.660%
Target Compounds						
					Qvalue	
16) Acetone	4.301	43	38074	3.769	ug/l	96
19) Methyl tert-butyl Ether	5.618	73	27600	0.685	ug/l	95
25) 2-Butanone	7.346	43	10332	0.753	ug/l #	80
31) Cyclohexane	8.086	56	27179	1.163	ug/l #	16
36) 1,1-Dichloropropene	8.083	75	92716	4.719	ug/l #	49
37) Ethyl Acetate	7.346	43	10332	0.353	ug/l #	68
38) Carbon Tetrachloride	8.086	117	111798	5.802	ug/l #	16
49) 1,4-Dioxane	9.569	88	81	0.224	ug/l #	27
51) 4-Methyl-2-Pentanone	10.333	43	76590	2.728	ug/l	95
53) t-1,3-Dichloropropene	10.446	75	909	2.830	ug/l #	1
54) cis-1,3-Dichloropropene	10.446	75	970	2.035	ug/l #	1
56) Ethyl methacrylate	10.703	69	121	2.283	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.084	63	54	18.396	ug/l #	45
60) Dibromochloromethane	10.985	129	96	2.382	ug/l #	11
71) Bromoform	12.704	173	110	2.738	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	681869	23.067	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	681869	73.424	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	229	2.891	ug/l #	20
95) Naphthalene	15.512	128	5861	4.092	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	81	2.440	ug/l #	1

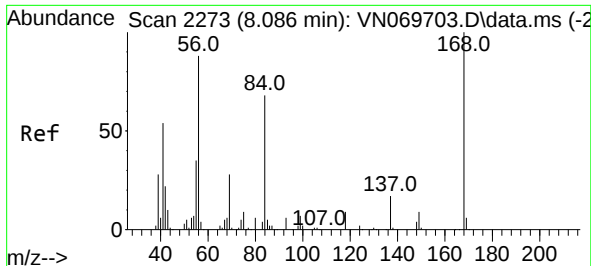
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

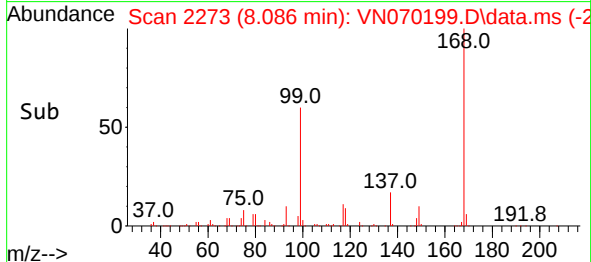
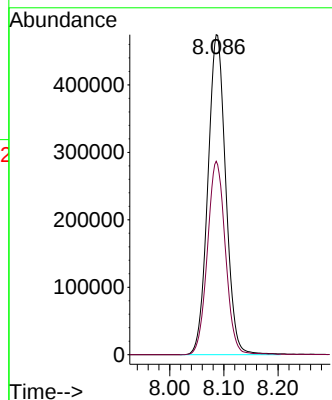
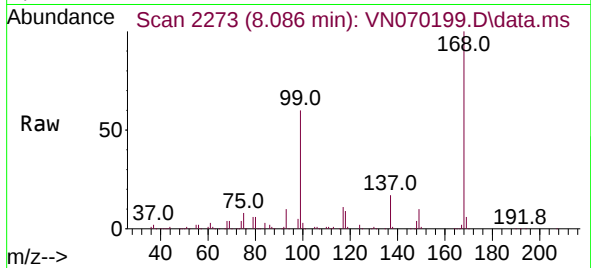




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

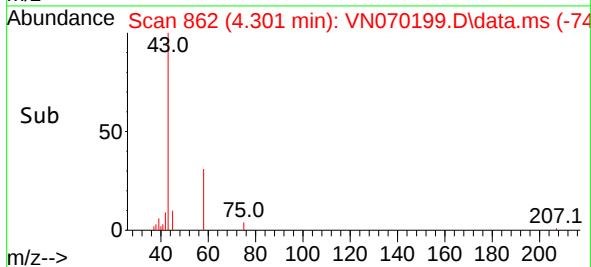
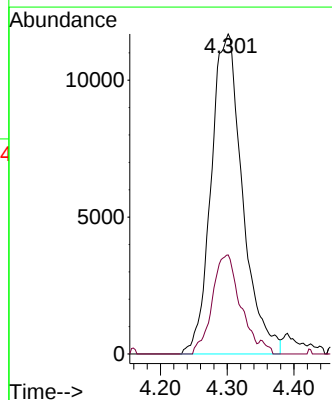
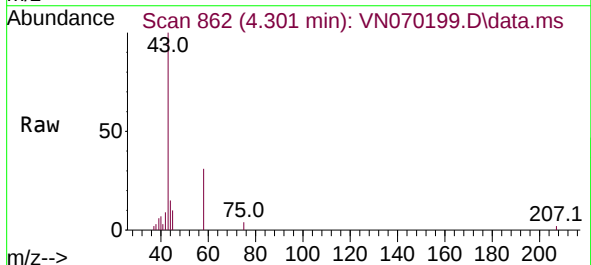
Instrument :
MSVOA_N
ClientSampleId :

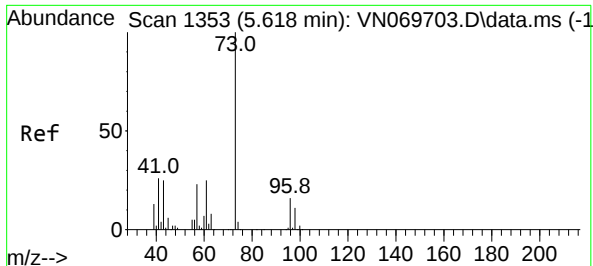
Tgt Ion:168 Resp: 1087661
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#16
Acetone
Concen: 3.769 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.011 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

Tgt Ion: 43 Resp: 38074
Ion Ratio Lower Upper
43 100
58 31.0 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 0.685 ug/l

RT: 5.618 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN070199.D

Acq: 18 Dec 2021 7:06

Instrument :

MSVOA_N

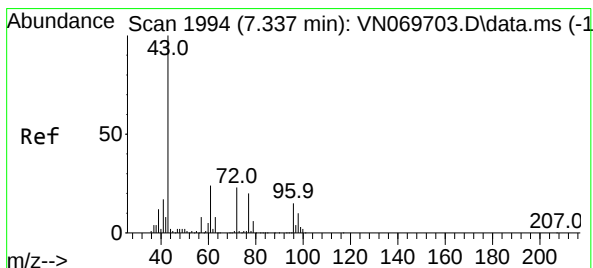
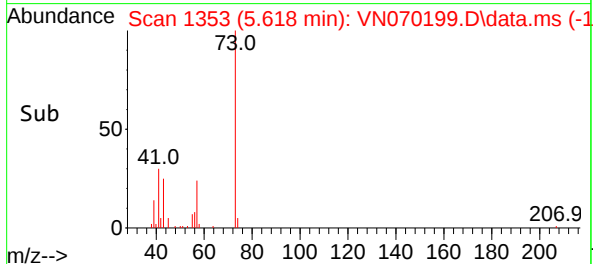
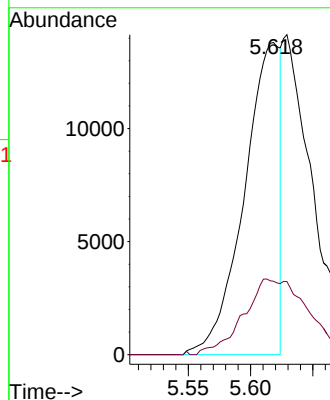
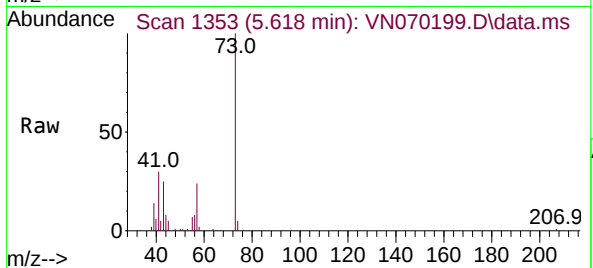
ClientSampleId :

Tgt Ion: 73 Resp: 27600

Ion Ratio Lower Upper

73 100

57 23.5 16.8 25.2



#25

2-Butanone

Concen: 0.753 ug/l

RT: 7.346 min Scan# 1997

Delta R.T. 0.008 min

Lab File: VN070199.D

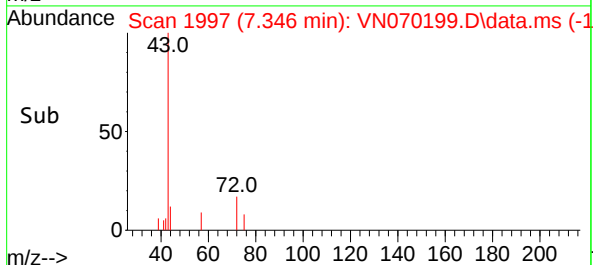
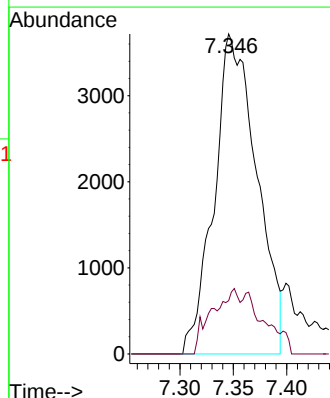
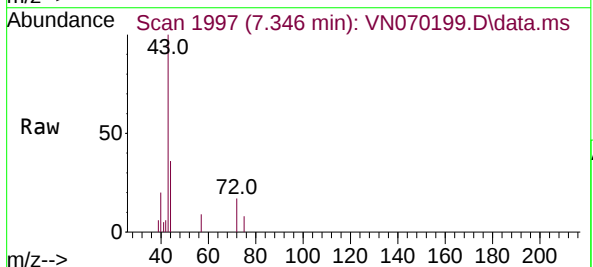
Acq: 18 Dec 2021 7:06

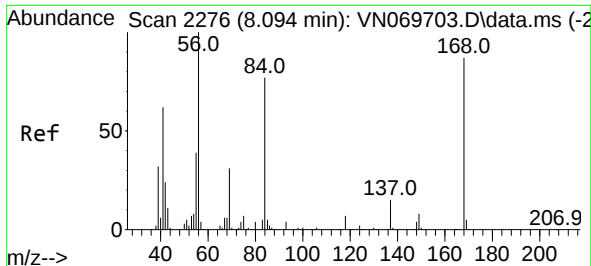
Tgt Ion: 43 Resp: 10332

Ion Ratio Lower Upper

43 100

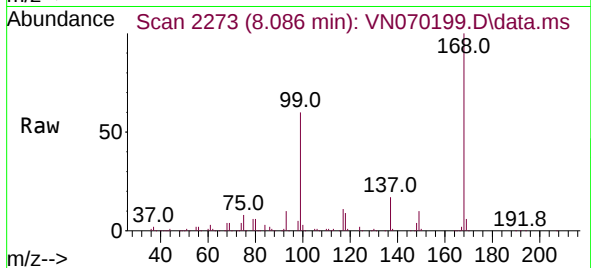
72 16.7 21.7 32.5#



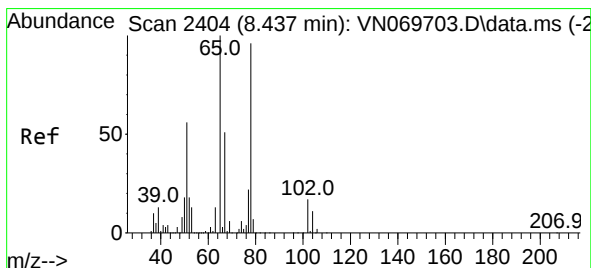
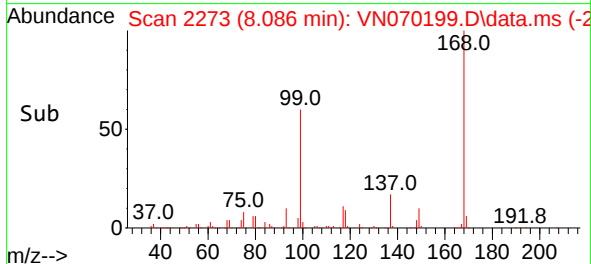
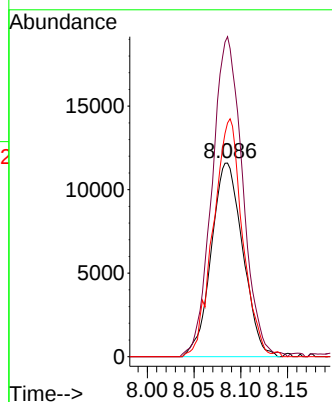


#31
Cyclohexane
Concen: 1.163 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

Instrument :
MSVOA_N
ClientSampleId :

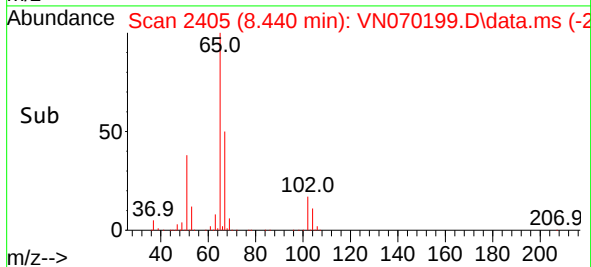
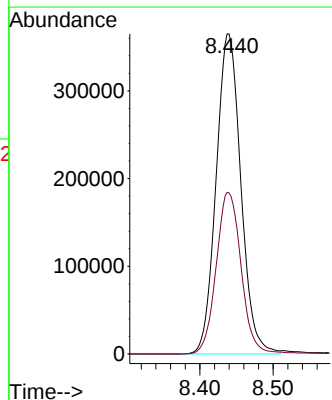
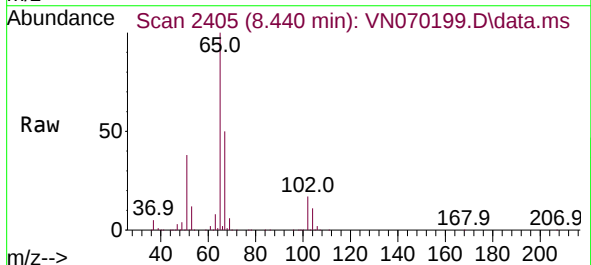


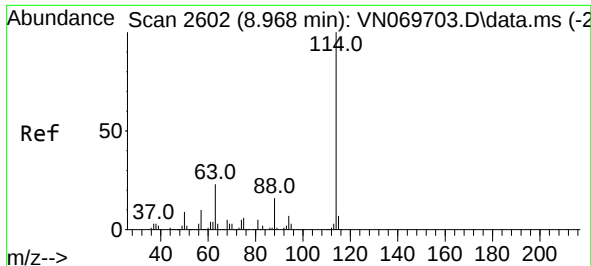
Tgt Ion: 56 Resp: 27179
Ion Ratio Lower Upper
56 100
69 165.3 27.1 40.7#
84 120.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 50.948 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

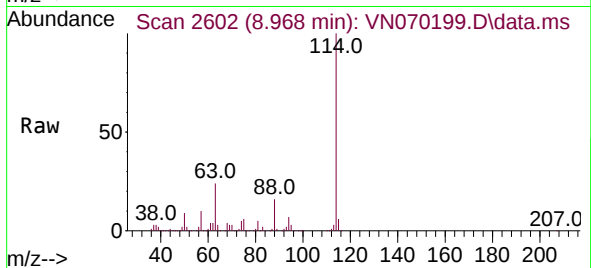
Tgt Ion: 65 Resp: 855596
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0



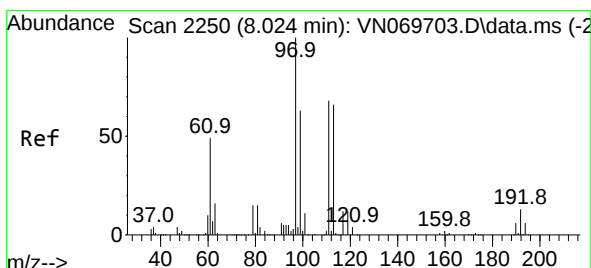
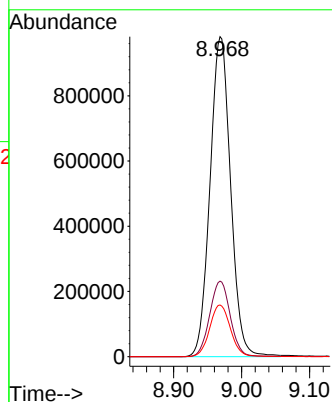
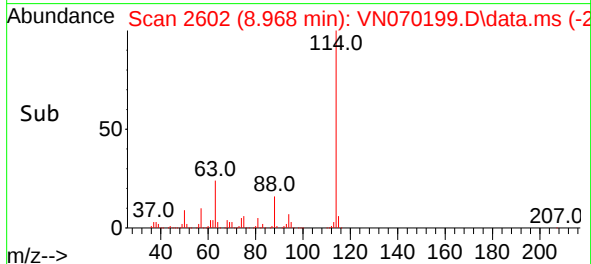


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

Instrument :
MSVOA_N
ClientSampleId :

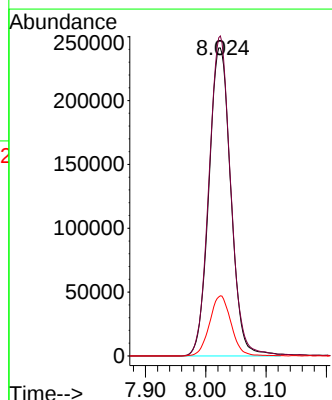
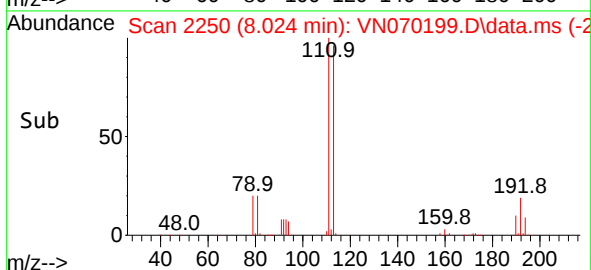
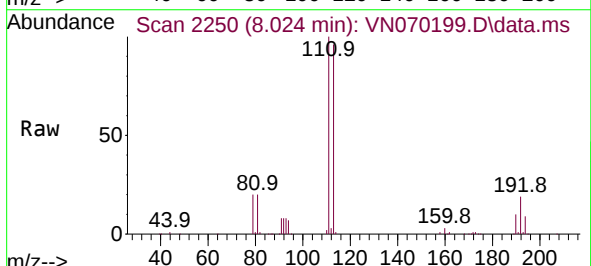


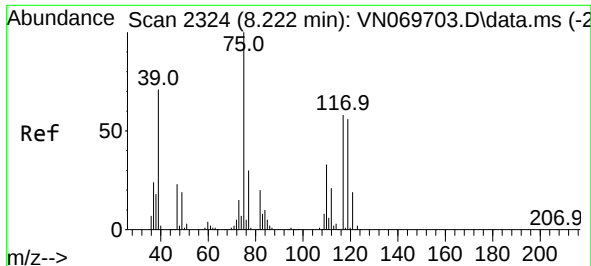
Tgt Ion:114 Resp: 2064019
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.166 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

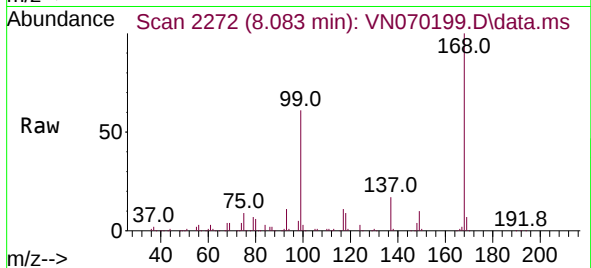
Tgt Ion:113 Resp: 609791
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 19.2 16.9 25.3



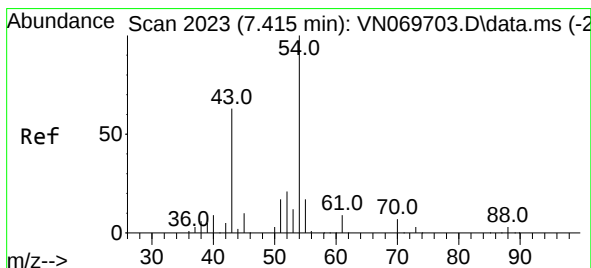
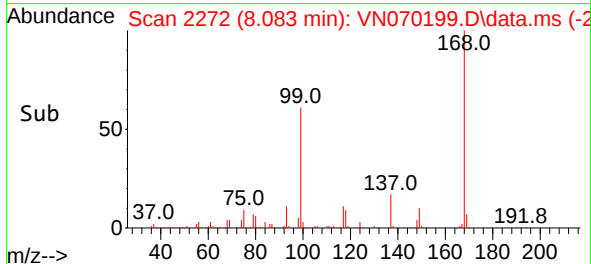
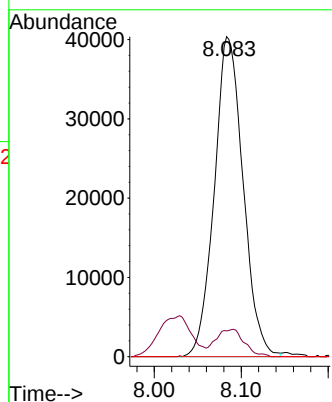


#36
1,1-Dichloropropene
Concen: 4.719 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.139 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

Instrument :
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ClientSampleId :

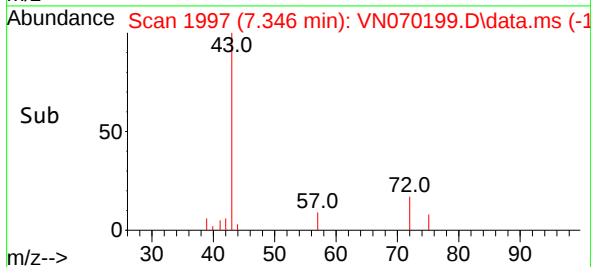
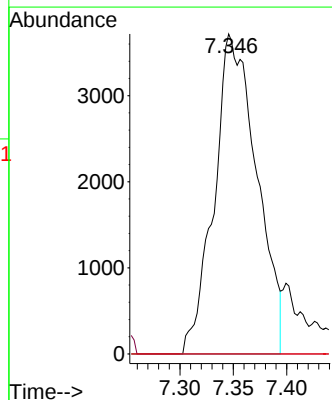
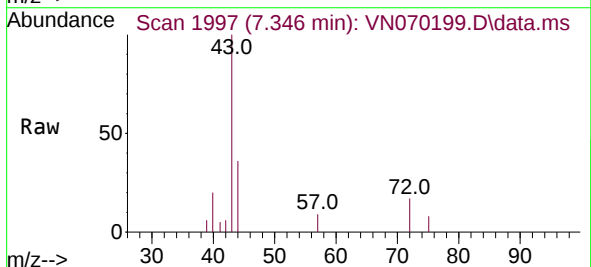


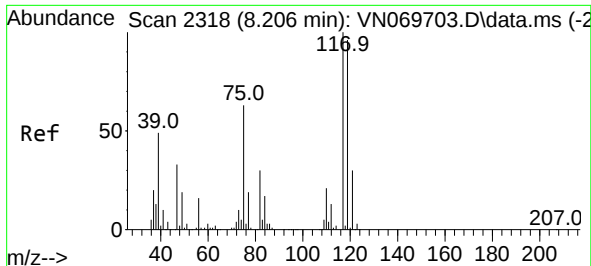
Tgt Ion: 75 Resp: 92716
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.353 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. -0.069 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

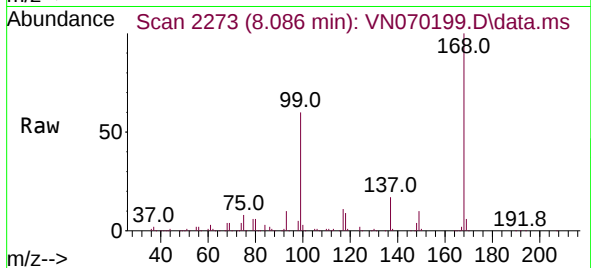
Tgt Ion: 43 Resp: 10332
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



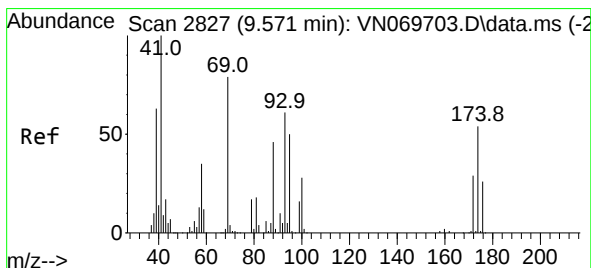
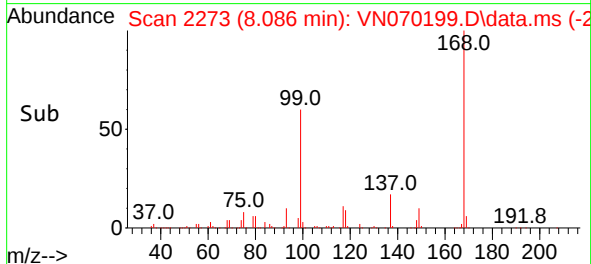
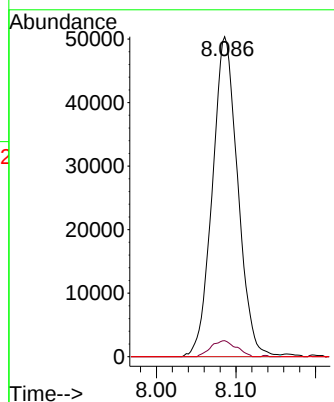


#38
Carbon Tetrachloride
Concen: 5.802 ug/l
RT: 8.086 min Scan# 2117
Delta R.T. -0.120 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

Instrument :
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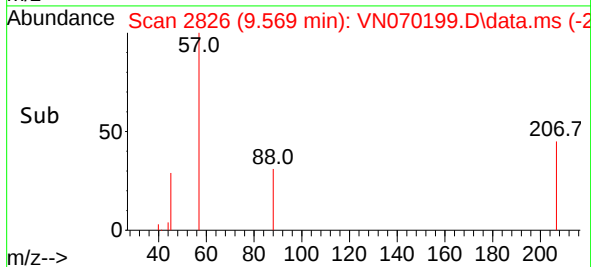
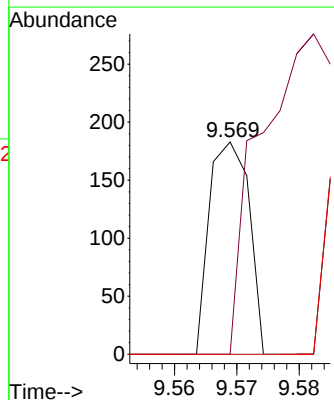
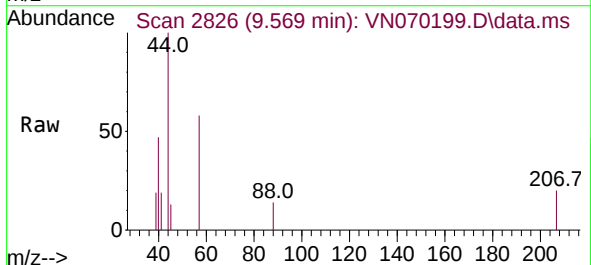


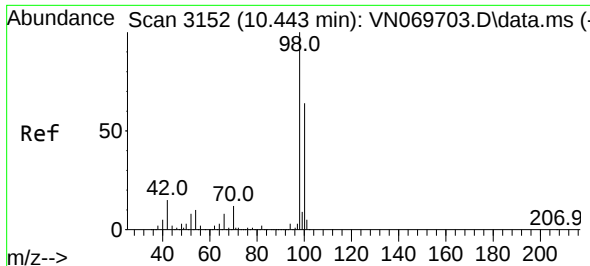
Tgt Ion:117 Resp: 111798
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.224 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. -0.002 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

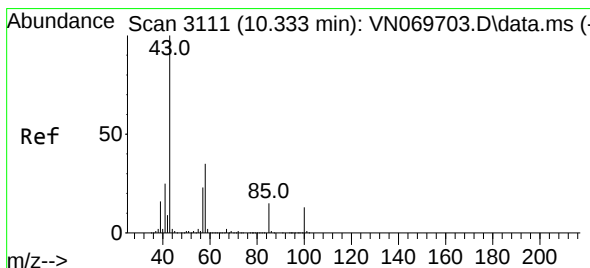
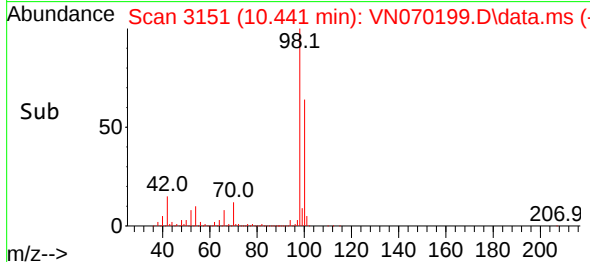
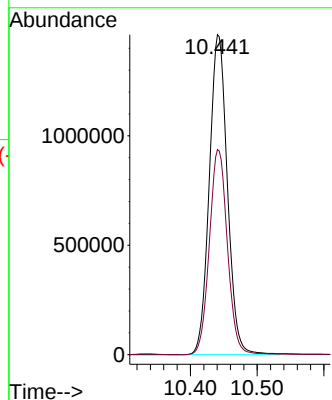
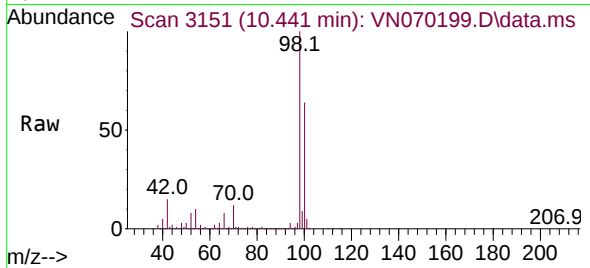




#50
Toluene-d8
Concen: 53.030 ug/l
RT: 10.441 min Scan# 3152
Delta R.T. -0.002 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

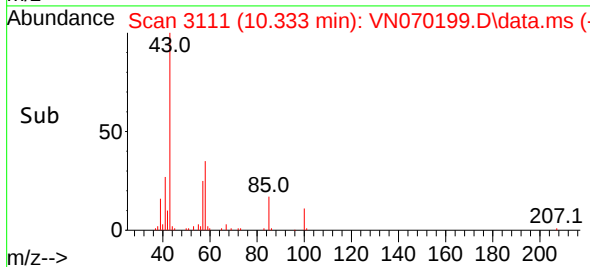
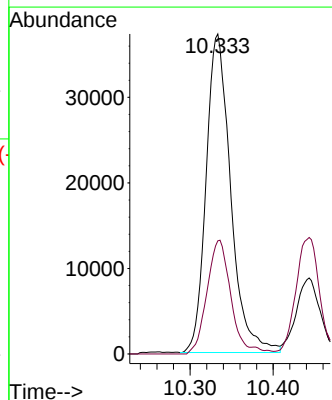
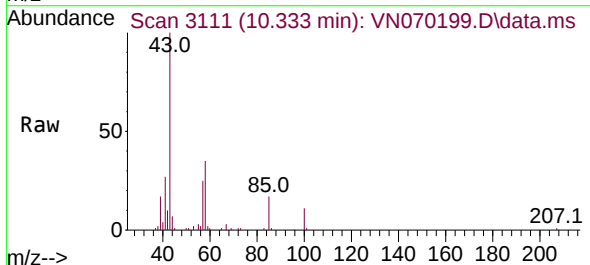
Instrument :
MSVOA_N
ClientSampleId :

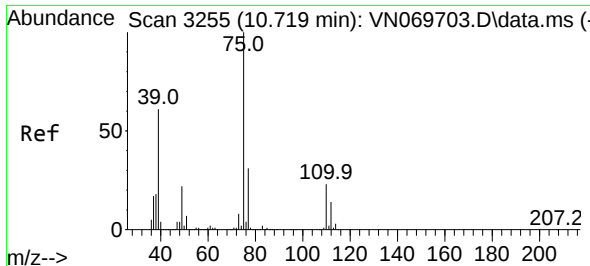
Tgt Ion: 98 Resp: 2752915
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 2.728 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

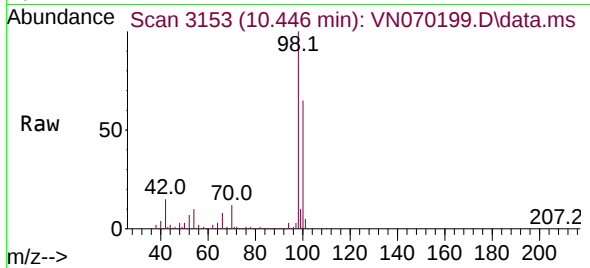
Tgt Ion: 43 Resp: 76590
Ion Ratio Lower Upper
43 100
58 34.9 30.4 45.6



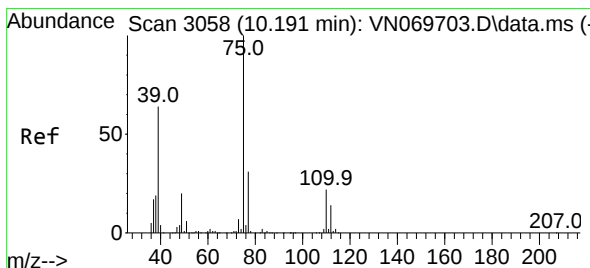
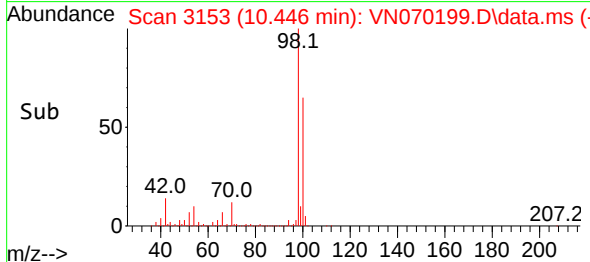
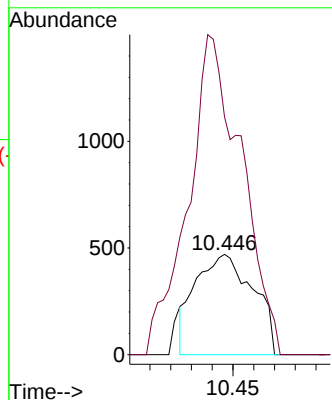


#53
t-1,3-Dichloropropene
Concen: 2.830 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.273 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

Instrument :
MSVOA_N
ClientSampleId :

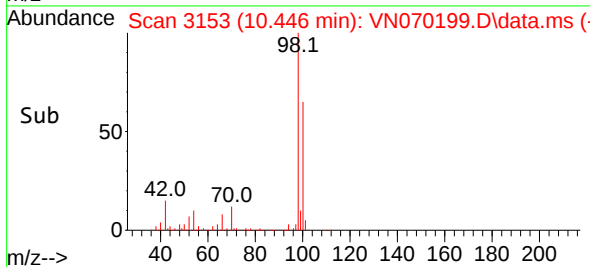
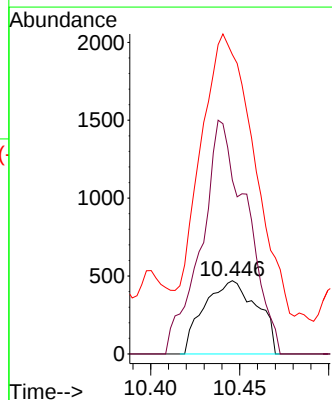
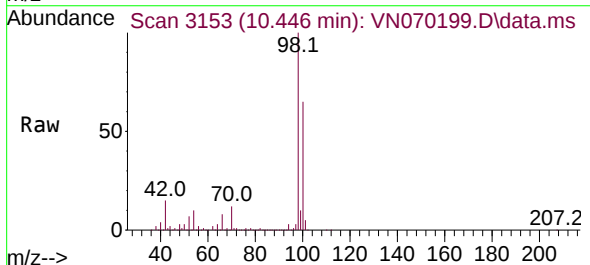


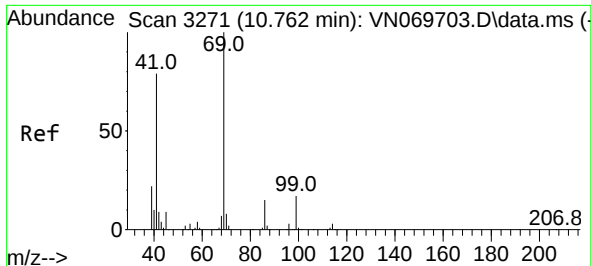
Tgt Ion: 75 Resp: 909
Ion Ratio Lower Upper
75 100
77 237.2 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.035 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.255 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

Tgt Ion: 75 Resp: 970
Ion Ratio Lower Upper
75 100
77 237.2 26.4 39.6#
39 316.0 42.5 63.7#

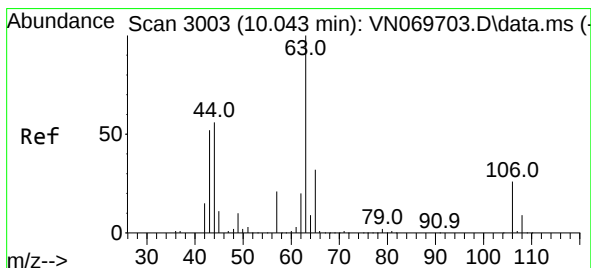
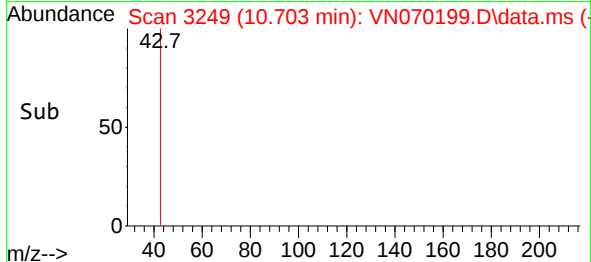
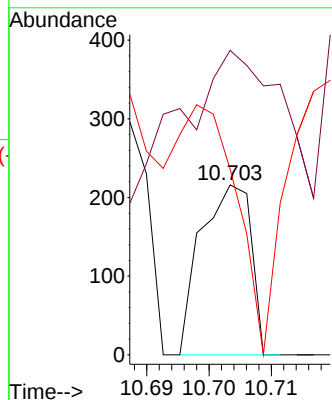
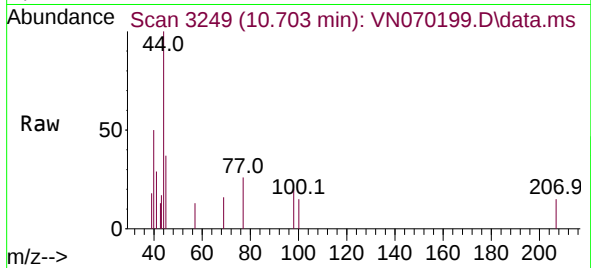




#56
Ethyl methacrylate
Concen: 2.283 ug/l
RT: 10.703 min Scan# 3018
Delta R.T. -0.059 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

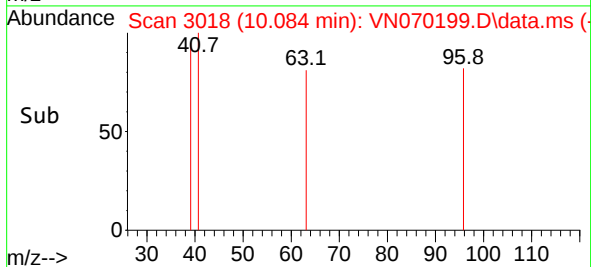
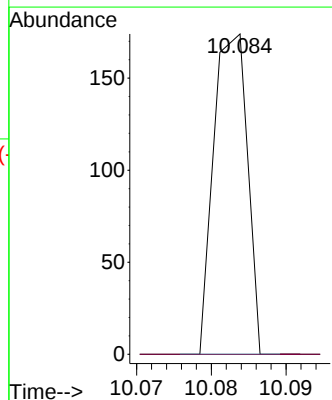
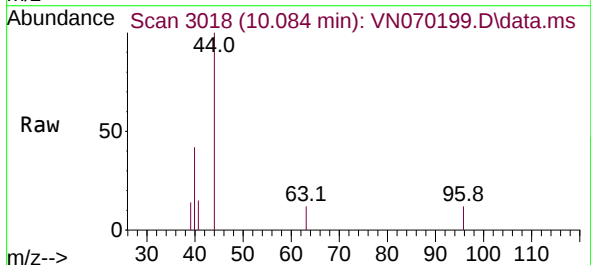
Instrument :
MSVOA_N
ClientSampleId :

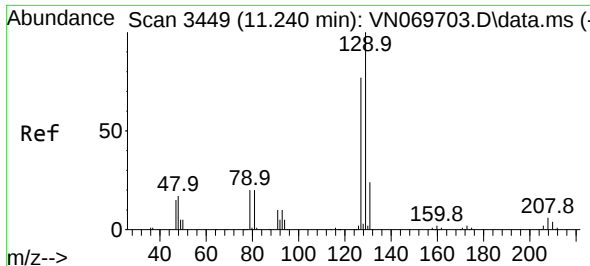
Tgt Ion: 69 Resp: 121
Ion Ratio Lower Upper
69 100
41 522.3 51.4 77.0#
39 171.9 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.396 ug/l
RT: 10.084 min Scan# 3018
Delta R.T. 0.041 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

Tgt Ion: 63 Resp: 54
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

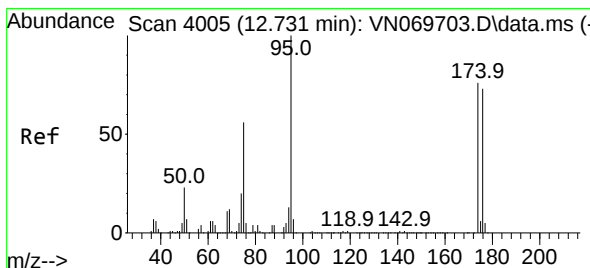
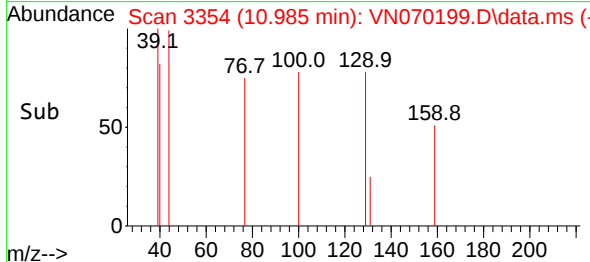
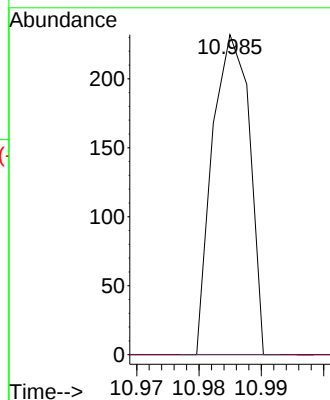
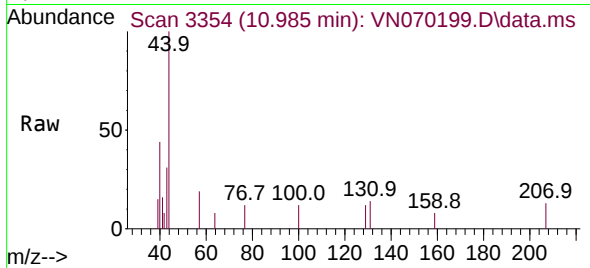




#60
Dibromochloromethane
Concen: 2.382 ug/l
RT: 10.985 min Scan# 31
Delta R.T. -0.255 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

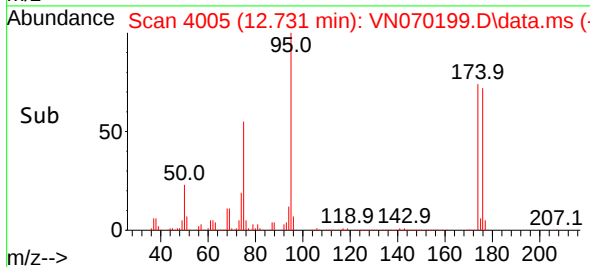
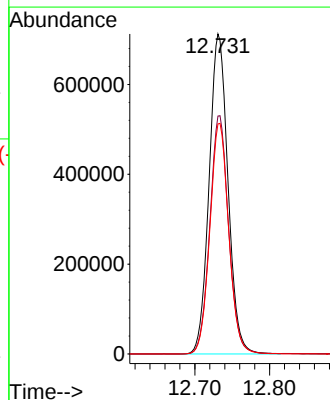
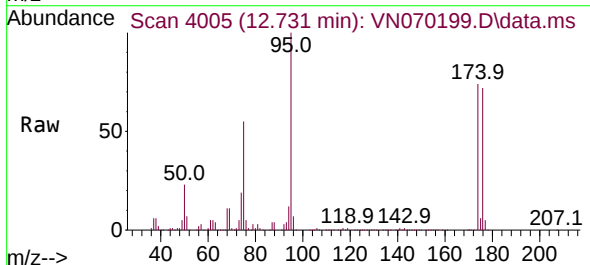
Instrument :
MSVOA_N
ClientSampleId :

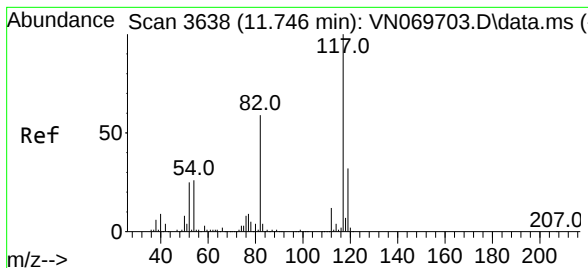
Tgt Ion:129 Resp: 96
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 66.335 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

Tgt Ion: 95 Resp: 1247545
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 72.1 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.002 min

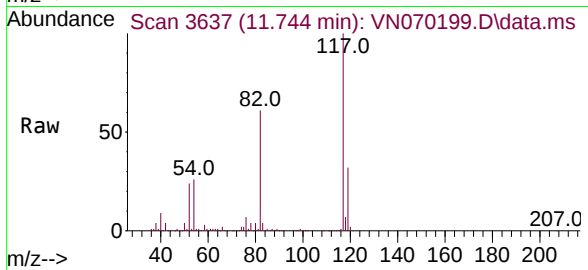
Lab File: VN070199.D

Acq: 18 Dec 2021 7:06

Instrument :

MSVOA_N

ClientSampleId :



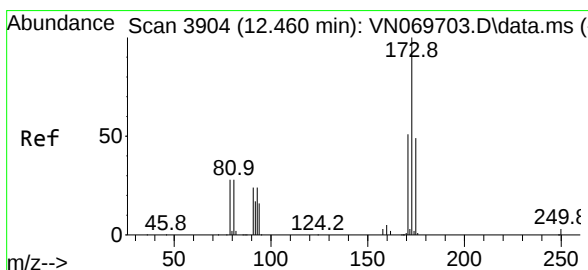
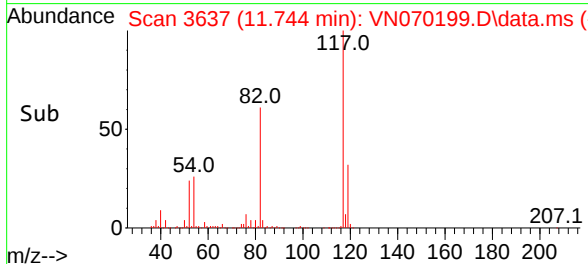
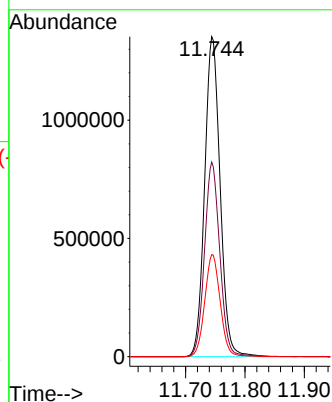
Tgt Ion:117 Resp: 2448251

Ion Ratio Lower Upper

117 100

82 60.8 42.4 63.6

119 31.9 25.4 38.2



#71

Bromoform

Concen: 2.738 ug/l

RT: 12.704 min Scan# 3995

Delta R.T. 0.244 min

Lab File: VN070199.D

Acq: 18 Dec 2021 7:06

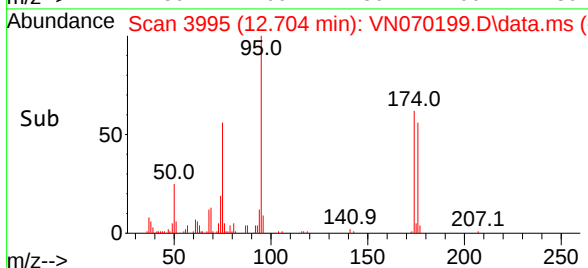
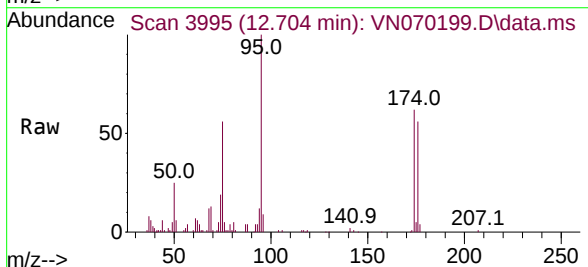
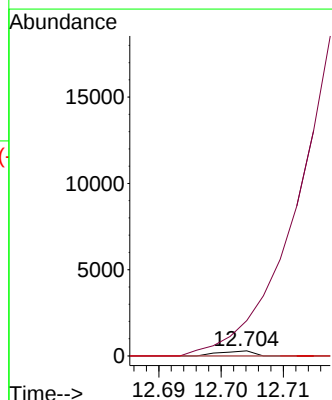
Tgt Ion:173 Resp: 110

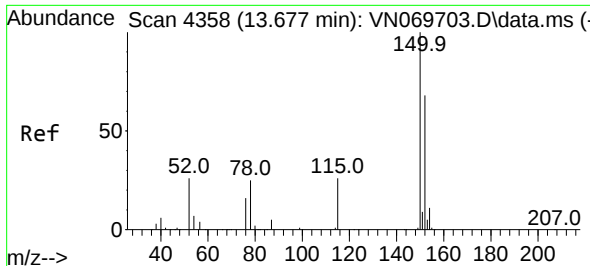
Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

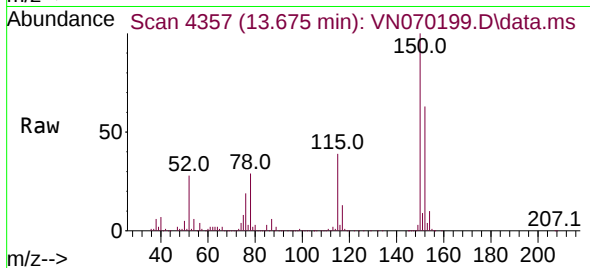
254 0.0 0.0 0.0



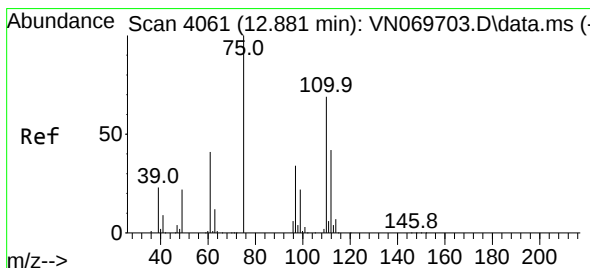
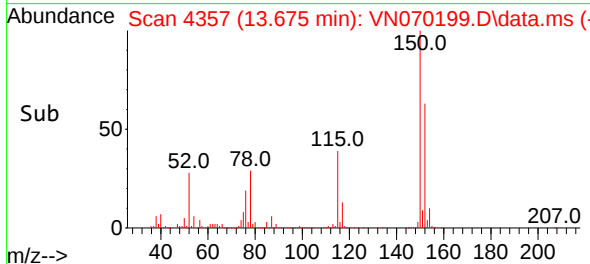
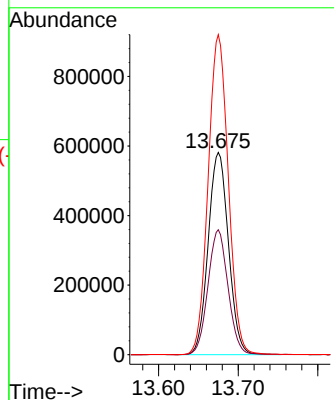


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.002 min
 Lab File: VN070199.D
 Acq: 18 Dec 2021 7:06

Instrument :
 MSVOA_N
 ClientSampleId :

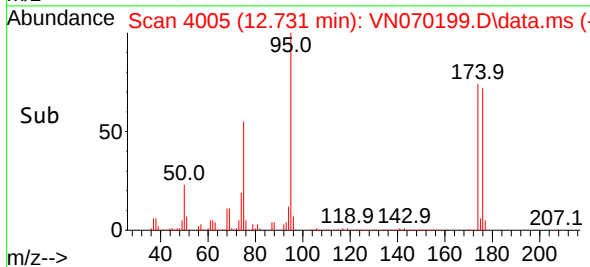
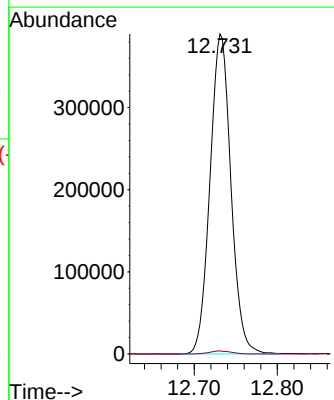
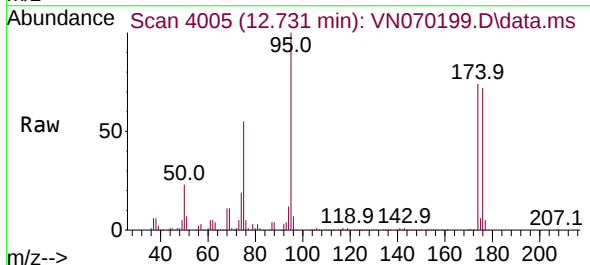


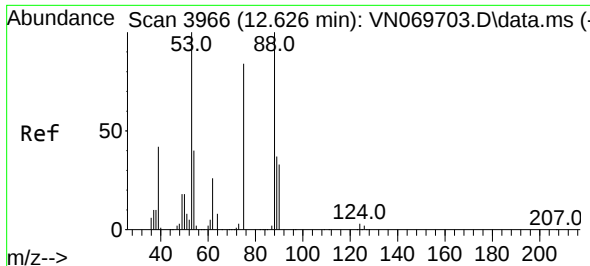
Tgt Ion:152 Resp: 1030787
 Ion Ratio Lower Upper
 152 100
 115 60.9 27.5 82.5
 150 157.3 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 23.067 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN070199.D
 Acq: 18 Dec 2021 7:06

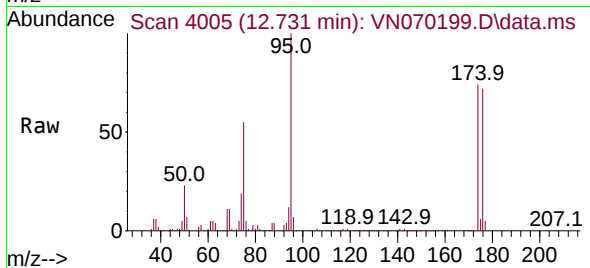
Tgt Ion: 75 Resp: 681869
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#



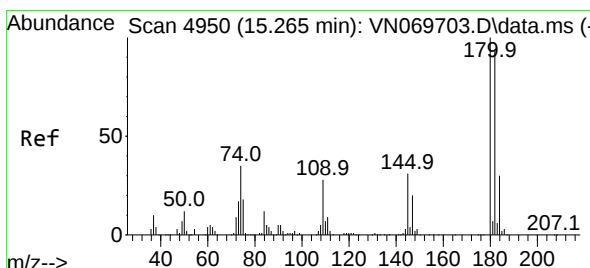
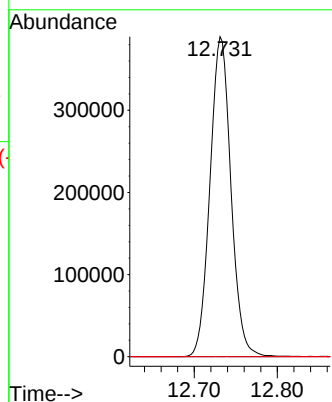
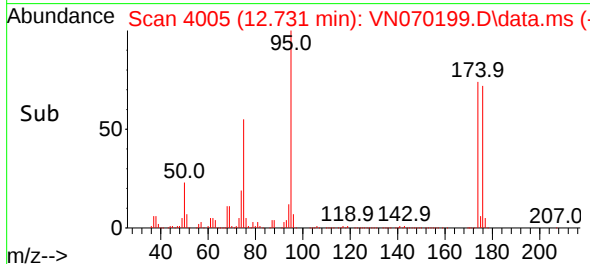


#81
trans-1,4-Dichloro-2-butene
Concen: 73.424 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

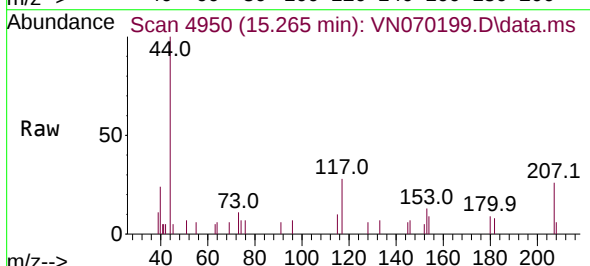
Instrument :
MSVOA_N
ClientSampleId :



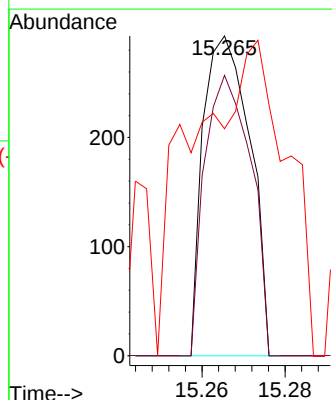
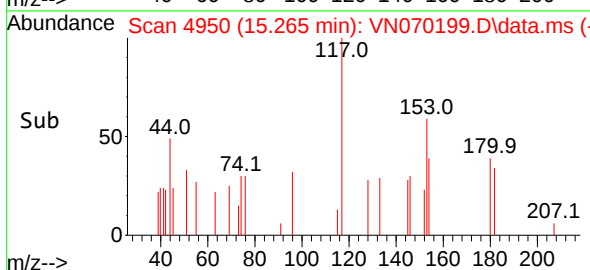
Tgt Ion: 75 Resp: 681869
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

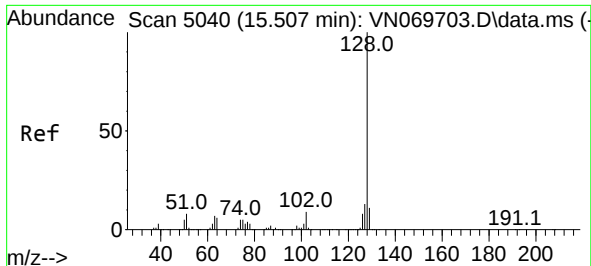


#93
1,2,4-Trichlorobenzene
Concen: 2.891 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06



Tgt Ion: 180 Resp: 229
Ion Ratio Lower Upper
180 100
182 86.5 48.3 144.9
145 196.1 14.5 43.5#

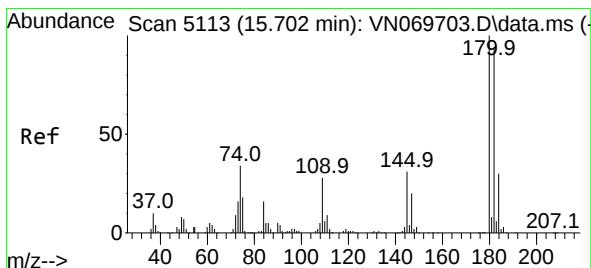
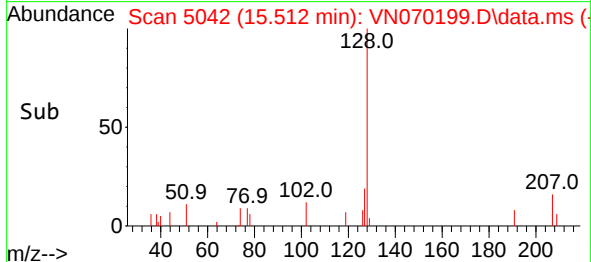
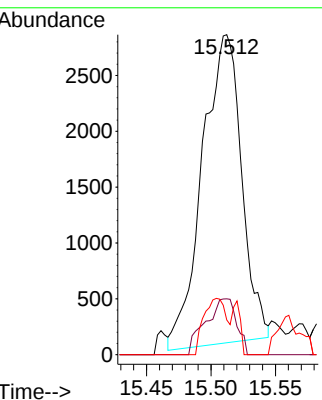
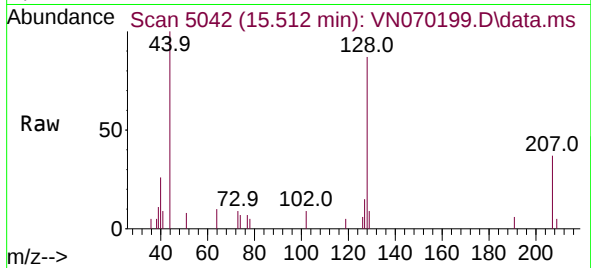




#95
Naphthalene
Concen: 4.092 ug/l
RT: 15.512 min Scan# 5040
Delta R.T. 0.005 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128	Resp:	5861
Ion Ratio	Lower	Upper
128	100	
127	14.3	10.5 15.7
129	10.6	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.440 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN070199.D
Acq: 18 Dec 2021 7:06

Tgt Ion:180	Resp:	81
Ion Ratio	Lower	Upper
180	100	
182	386.4	47.4 142.2#
145	723.5	15.0 45.1#

