

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069740.D
 Acq On : 4 Dec 2021 1:24
 Operator : JC/MD
 Sample : M4922-11 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20211130

Quant Time: Dec 04 05:40:20 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

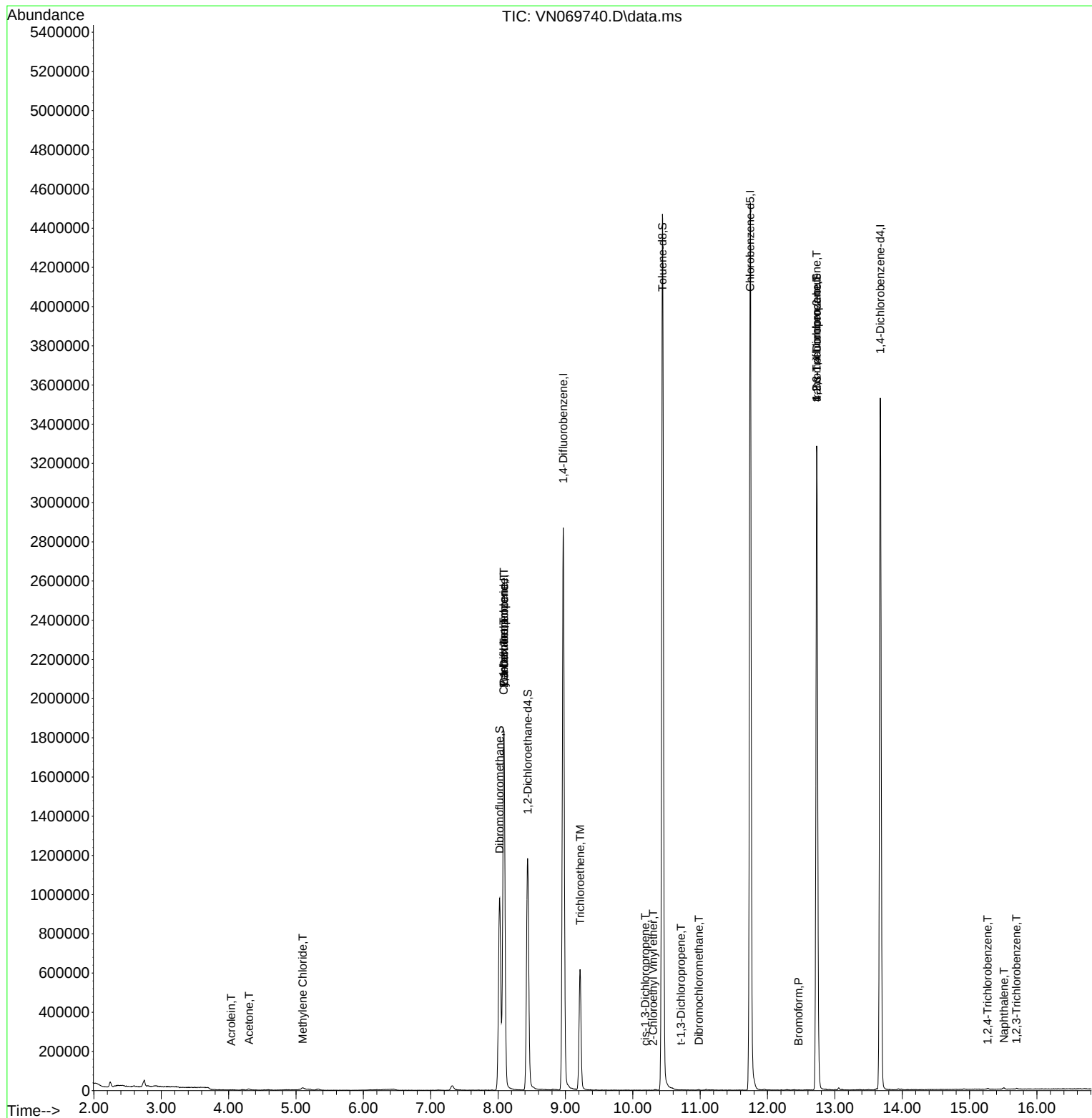
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1375113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2399193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2511530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	939810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1033438	48.674	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.340%
35) Dibromofluoromethane	8.024	113	716538	47.680	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.360%
50) Toluene-d8	10.440	98	3112387	51.579	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.160%
62) 4-Bromofluorobenzene	12.731	95	1166246	53.349	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.700%
Target Compounds						
					Qvalue	
13) Acrolein	4.038	56	691	0.202	ug/l #	42
16) Acetone	4.301	43	7787	0.610	ug/l #	78
20) Methylene Chloride	5.101	84	5641	0.332	ug/l #	87
31) Cyclohexane	8.083	56	34593	1.171	ug/l #	27
36) 1,1-Dichloropropene	8.088	75	117090	5.127	ug/l #	49
38) Carbon Tetrachloride	8.086	117	140267	6.263	ug/l #	16
44) Trichloroethene	9.217	130	216986	13.022	ug/l	90
53) t-1,3-Dichloropropene	10.714	75	158	2.799	ug/l #	43
54) cis-1,3-Dichloropropene	10.186	75	53	2.000	ug/l #	63
58) 2-Chloroethyl Vinyl ether	10.301	63	24	18.391	ug/l #	45
60) Dibromochloromethane	10.982	129	601	2.407	ug/l #	11
71) Bromoform	12.460	173	119	2.738	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	648079	24.046	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	648079	76.369	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	1557	2.973	ug/l	84
95) Naphthalene	15.509	128	6178	4.109	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.697	180	1637	2.539	ug/l #	83

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

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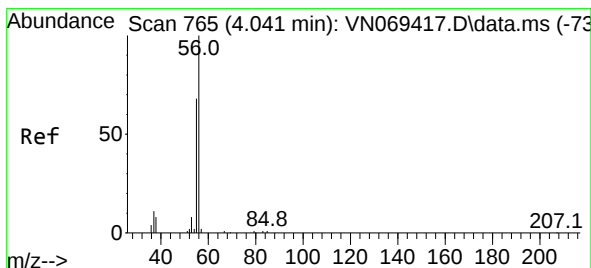
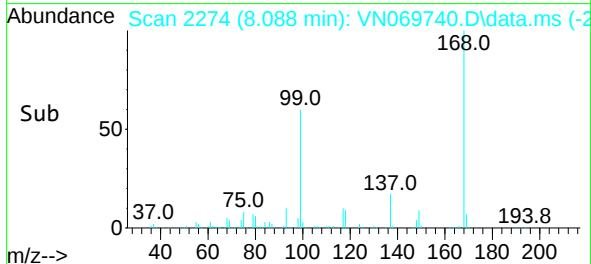
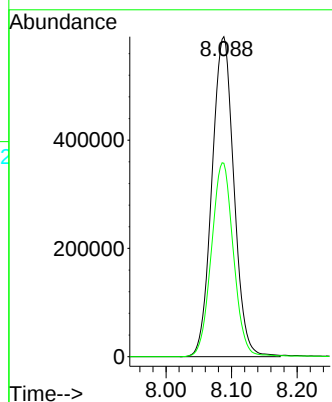
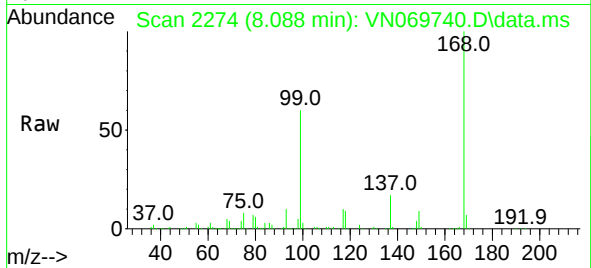




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

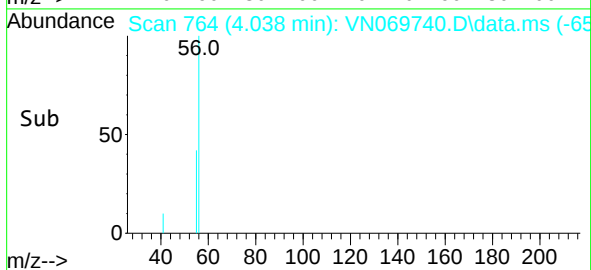
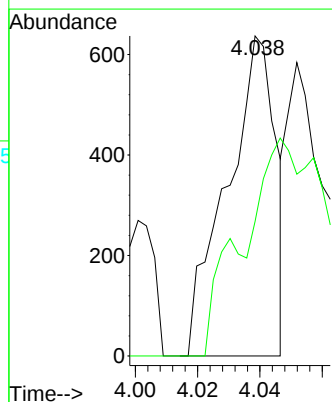
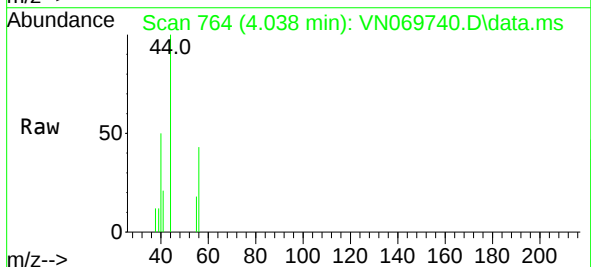
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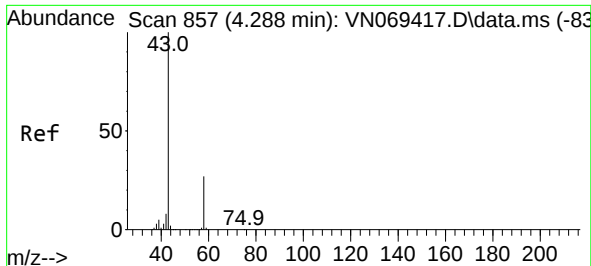
Tgt Ion:168 Resp: 1375113
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#13
Acrolein
Concen: 0.202 ug/l
RT: 4.038 min Scan# 764
Delta R.T. 0.000 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

Tgt Ion: 56 Resp: 691
Ion Ratio Lower Upper
56 100
55 23.0 56.6 85.0#

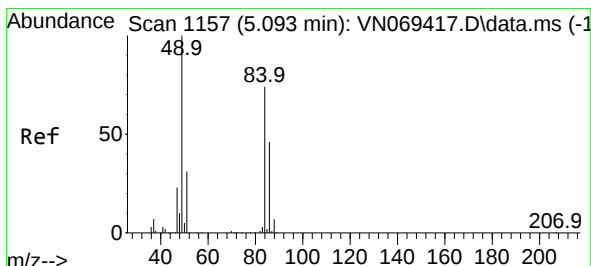
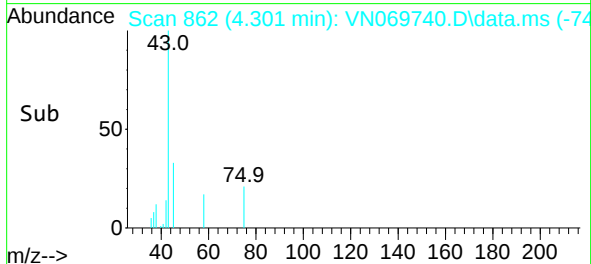
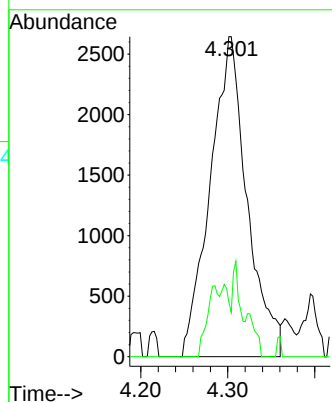
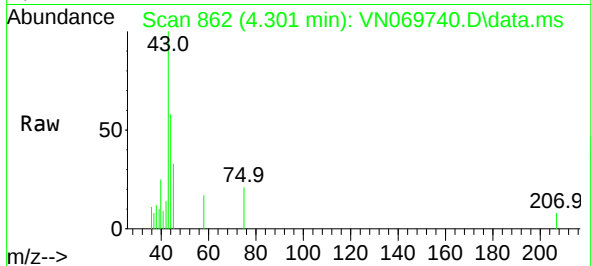




#16
Acetone
Concen: 0.610 ug/l
RT: 4.301 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

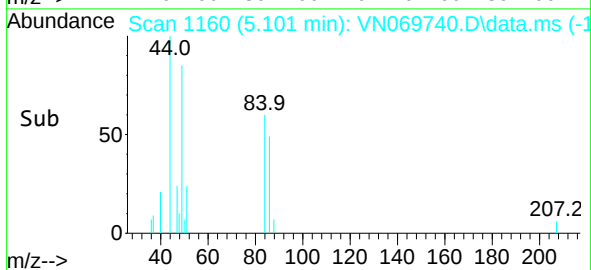
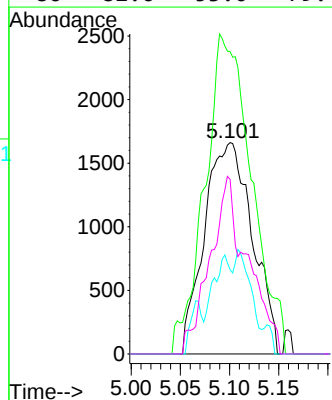
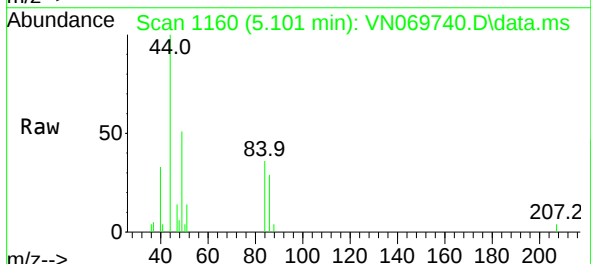
Instrument :
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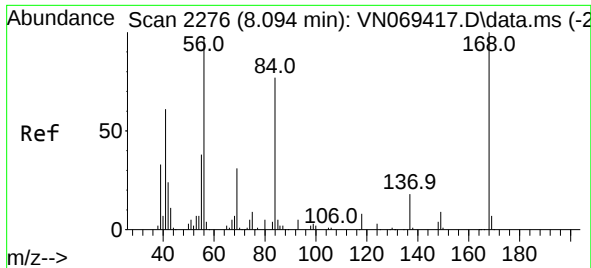
Tgt Ion: 43 Resp: 7787
Ion Ratio Lower Upper
43 100
58 17.1 23.1 34.7#



#20
Methylene Chloride
Concen: 0.332 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.008 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

Tgt Ion: 84 Resp: 5641
Ion Ratio Lower Upper
84 100
49 128.2 93.5 140.3
51 39.8 29.4 44.2
86 82.6 53.0 79.4#

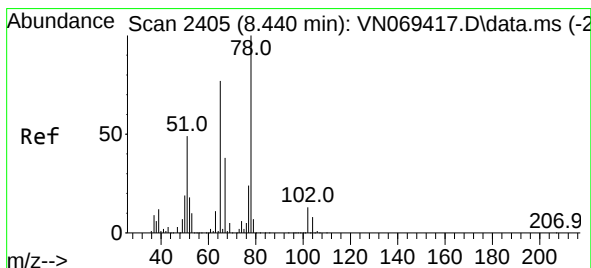
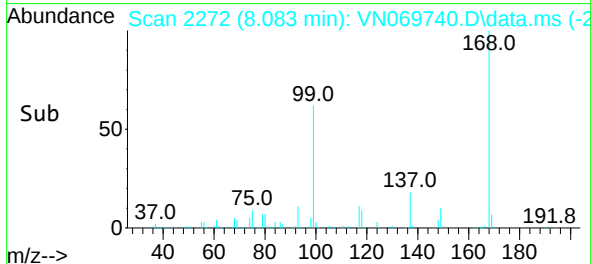
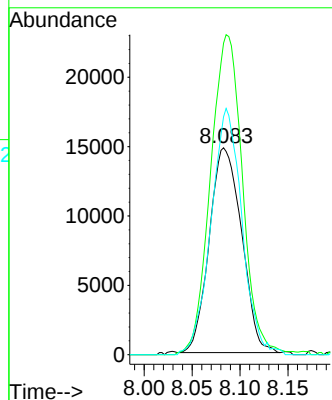
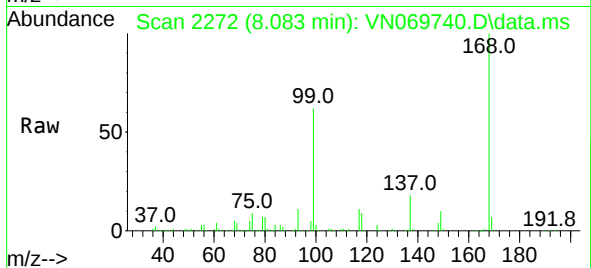




#31
Cyclohexane
Concen: 1.171 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.011 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

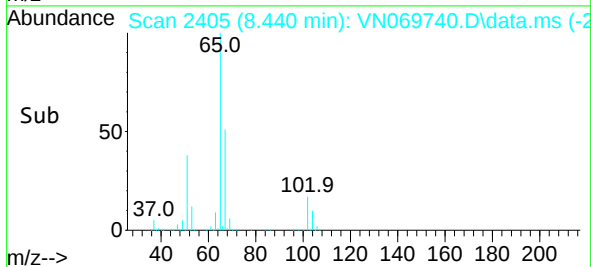
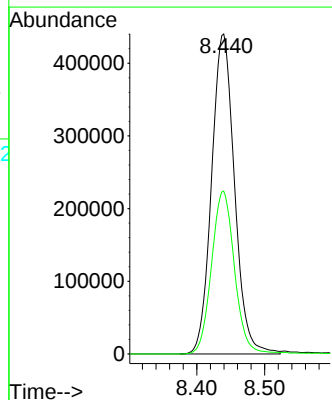
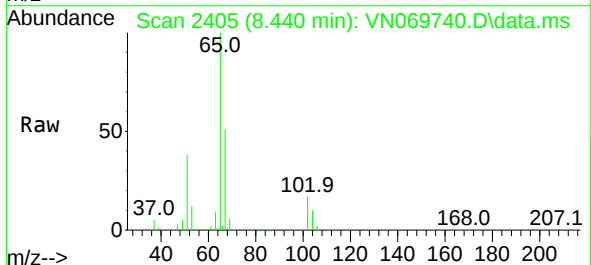
Instrument :
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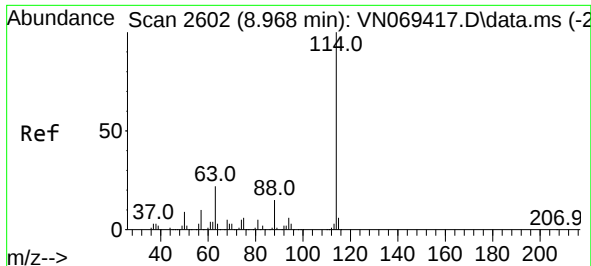
Tgt Ion: 56 Resp: 34593
Ion Ratio Lower Upper
56 100
69 150.8 27.1 40.7#
84 114.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 48.674 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

Tgt Ion: 65 Resp: 1033438
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0

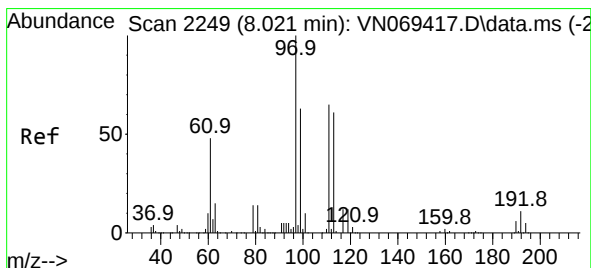
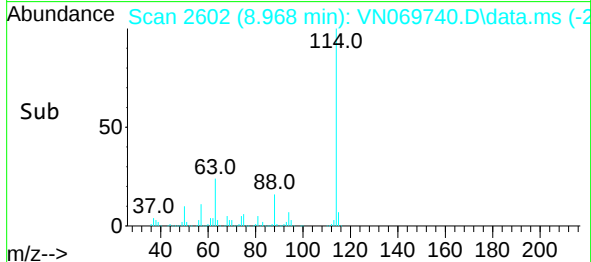
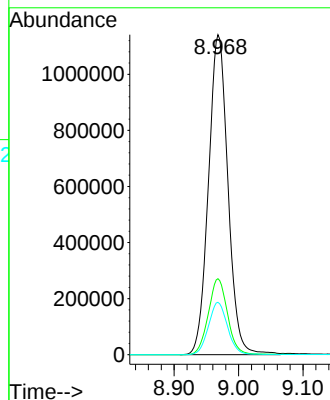
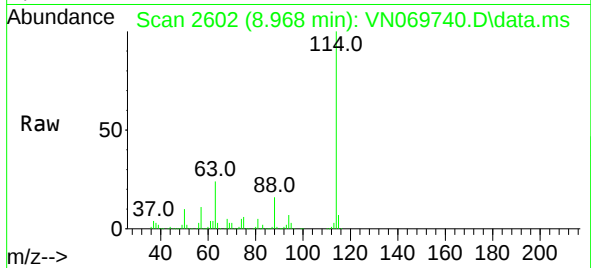




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 210
Delta R.T. -0.000 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

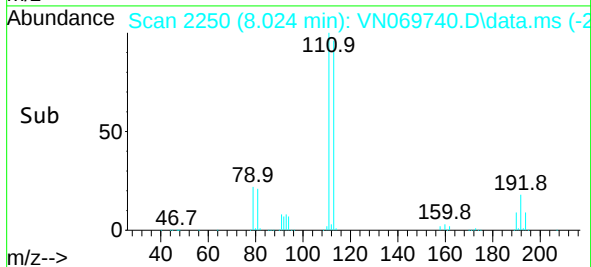
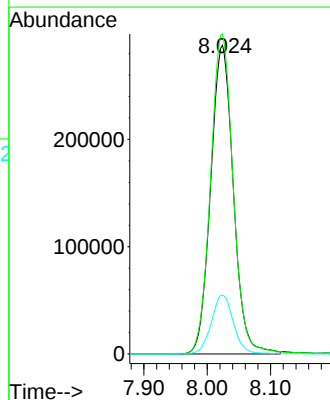
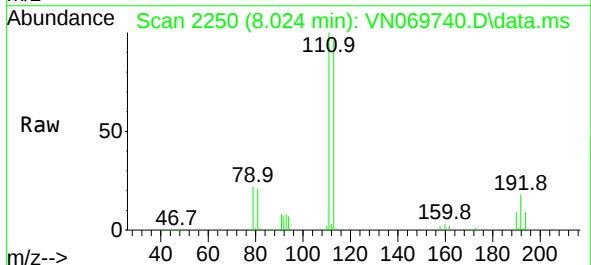
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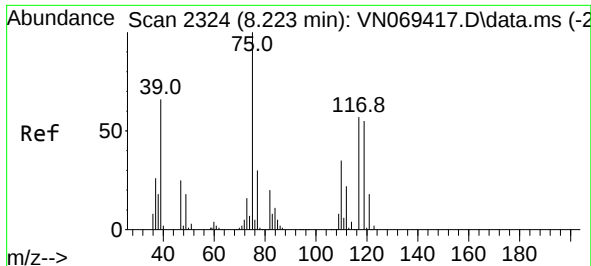
Tgt Ion:114 Resp: 2399193
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.4 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.680 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

Tgt Ion:113 Resp: 716538
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 18.6 16.9 25.3

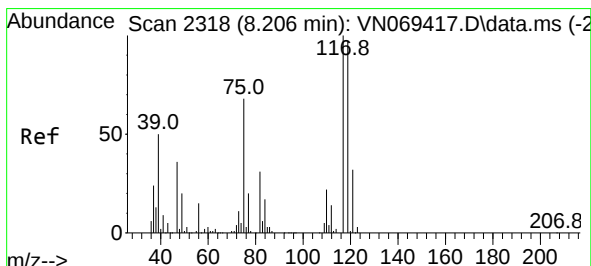
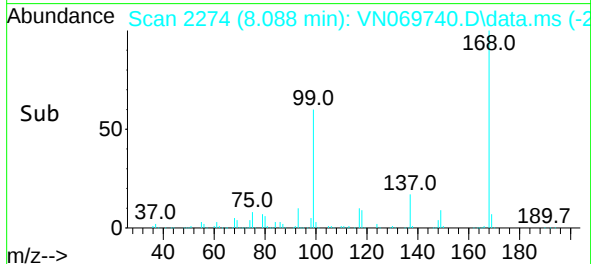
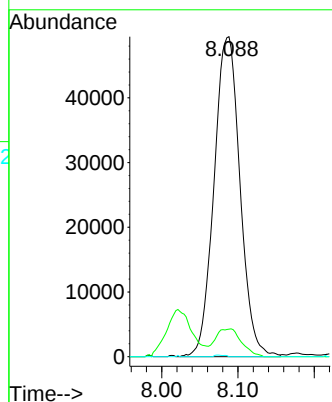
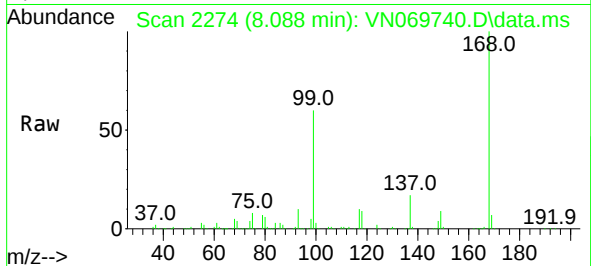




#36
 1,1-Dichloropropene
 Concen: 5.127 ug/l
 RT: 8.088 min Scan# 211
 Delta R.T. -0.134 min
 Lab File: VN069740.D
 Acq: 4 Dec 2021 1:24

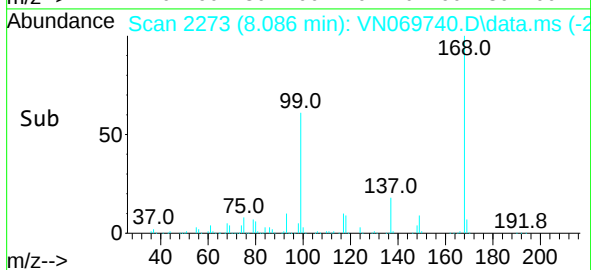
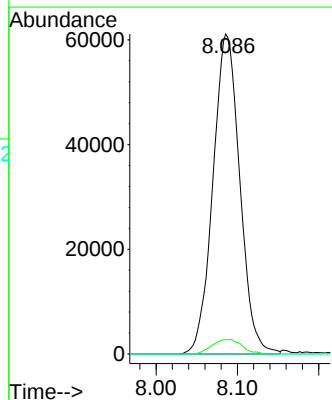
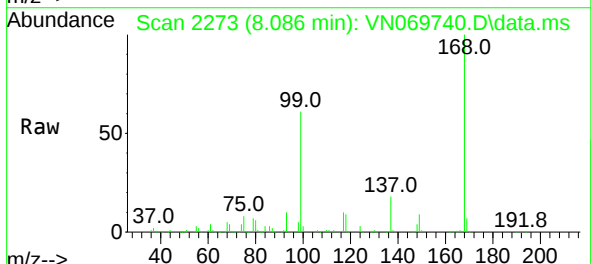
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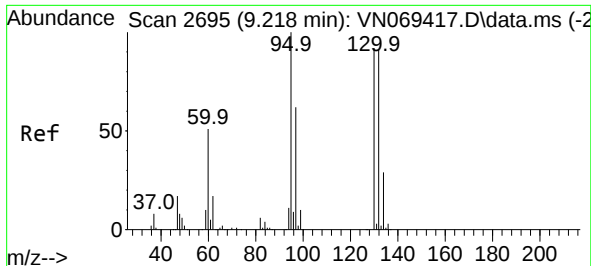
Tgt Ion: 75 Resp: 117090
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.2#
 77 0.2 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.263 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.121 min
 Lab File: VN069740.D
 Acq: 4 Dec 2021 1:24

Tgt Ion: 117 Resp: 140267
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.1 114.1#
 121 0.0 24.2 36.2#

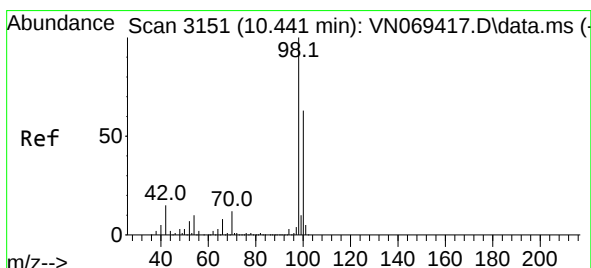
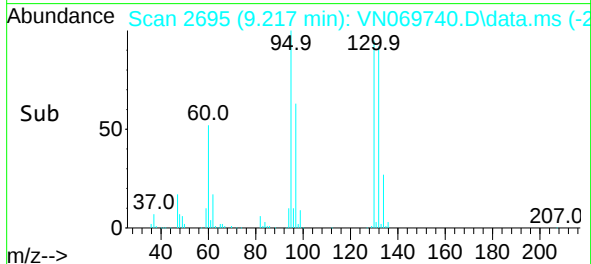
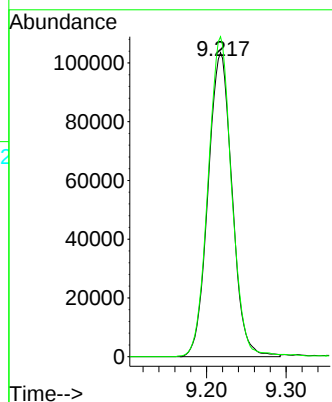
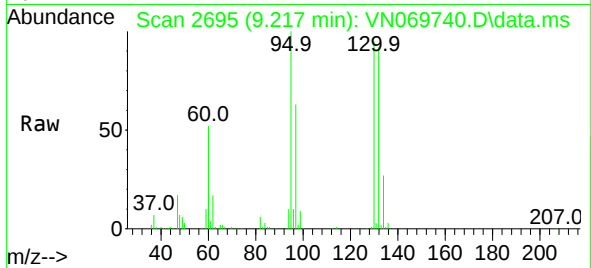




#44
 Trichloroethene
 Concen: 13.022 ug/l
 RT: 9.217 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN069740.D
 Acq: 4 Dec 2021 1:24

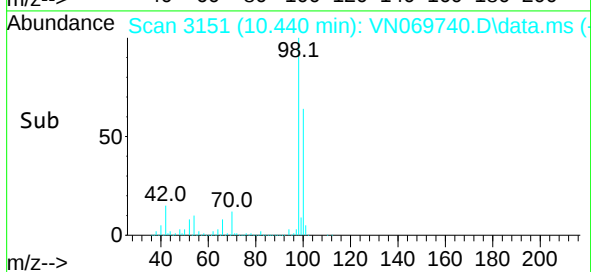
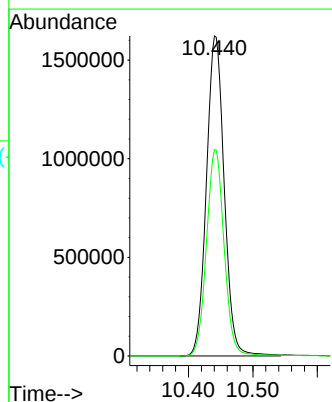
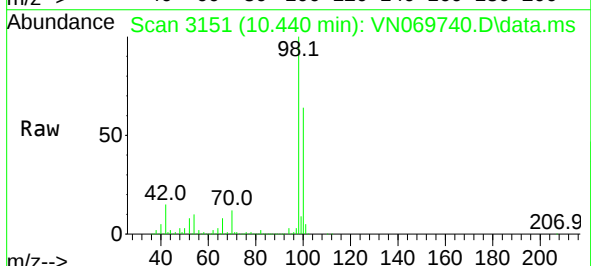
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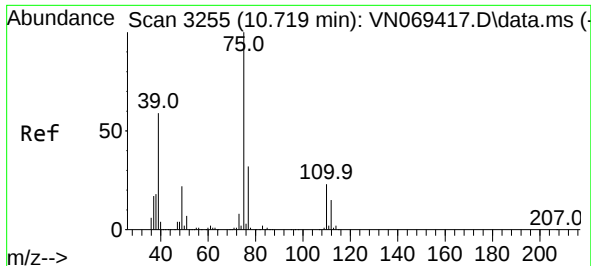
Tgt Ion:130 Resp: 216986
 Ion Ratio Lower Upper
 130 100
 95 105.0 0.0 191.2



#50
 Toluene-d8
 Concen: 51.579 ug/l
 RT: 10.440 min Scan# 3151
 Delta R.T. -0.003 min
 Lab File: VN069740.D
 Acq: 4 Dec 2021 1:24

Tgt Ion: 98 Resp: 3112387
 Ion Ratio Lower Upper
 98 100
 100 64.3 50.4 75.6

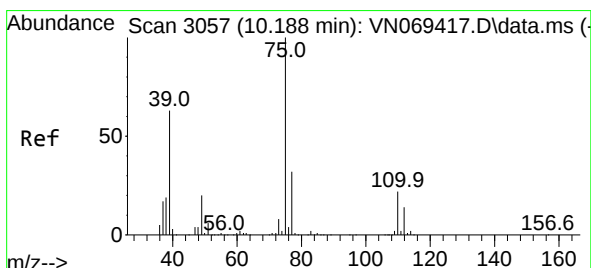
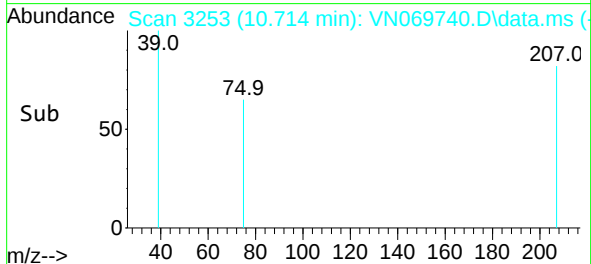
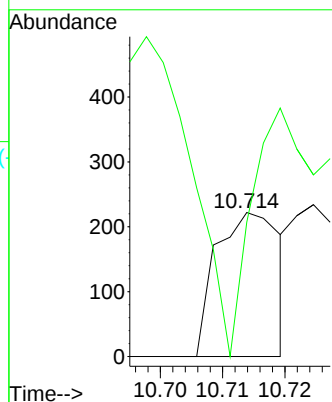
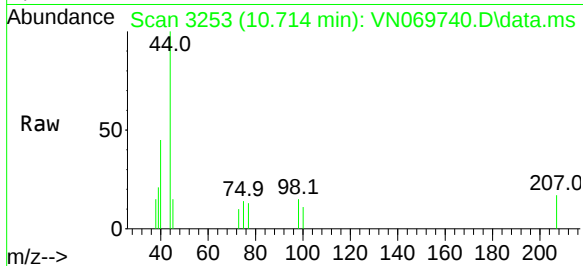




#53
t-1,3-Dichloropropene
Concen: 2.799 ug/l
RT: 10.714 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

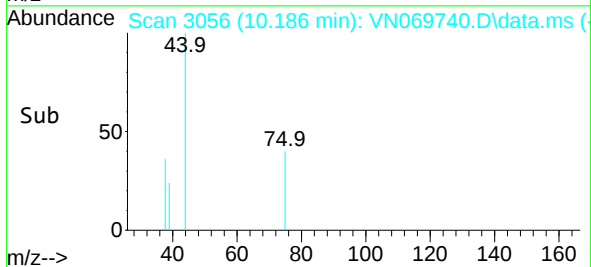
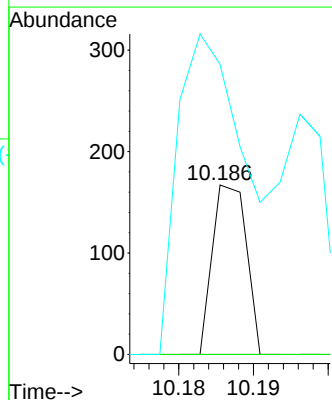
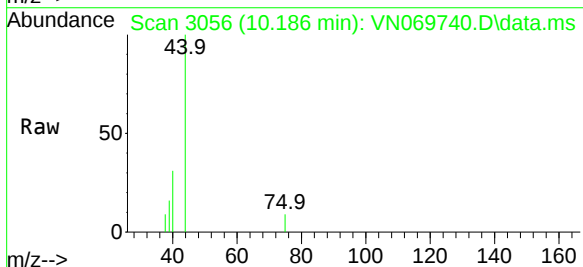
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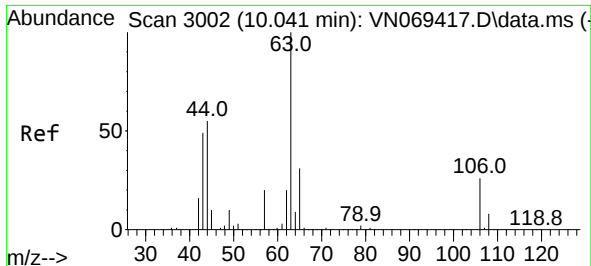
Tgt Ion: 75 Resp: 158
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.000 ug/l
RT: 10.186 min Scan# 3056
Delta R.T. -0.005 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 69.5 42.5 63.7#

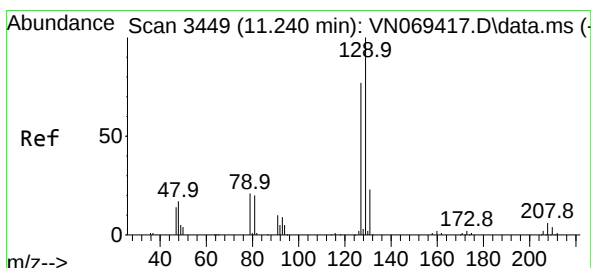
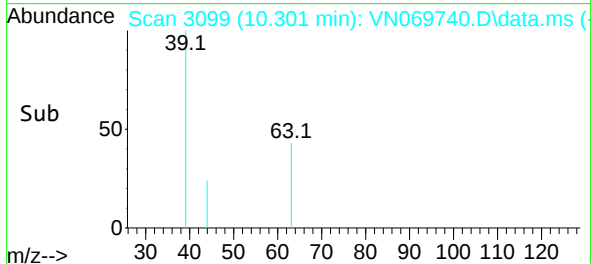
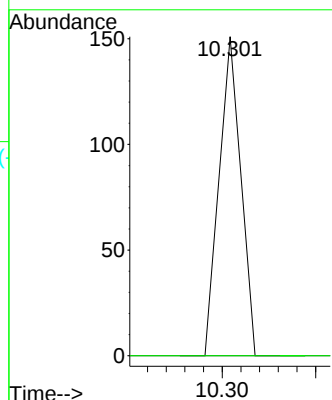
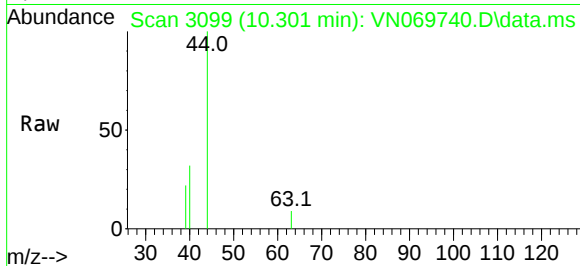




#58
2-Chloroethyl Vinyl ether
Concen: 18.391 ug/l
RT: 10.301 min Scan# 3002
Delta R.T. 0.258 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

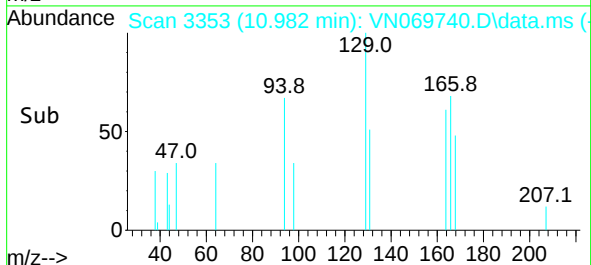
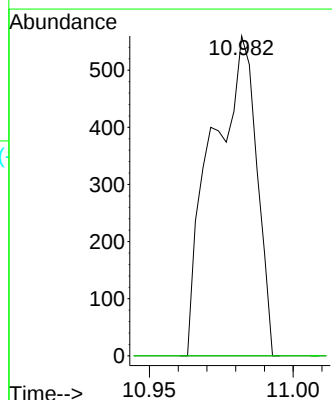
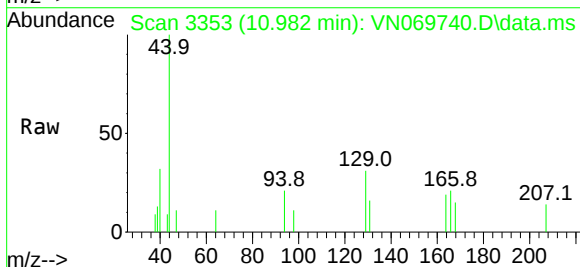
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20211130

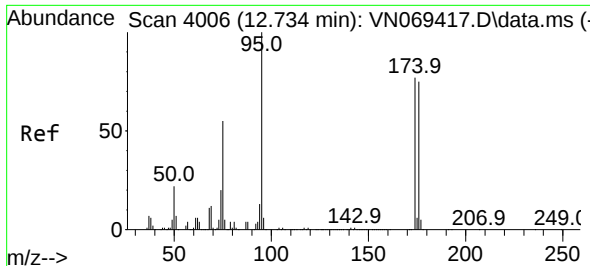
Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.407 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

Tgt Ion: 129 Resp: 601
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

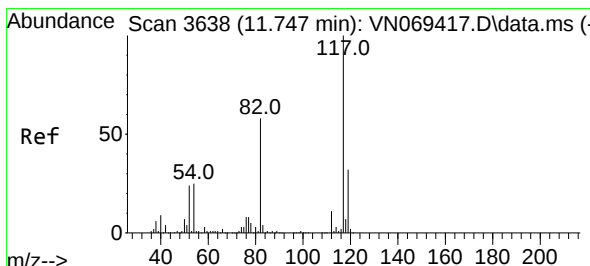
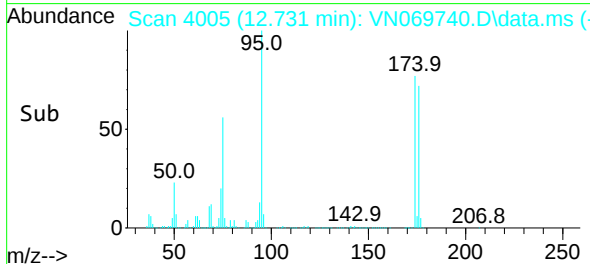
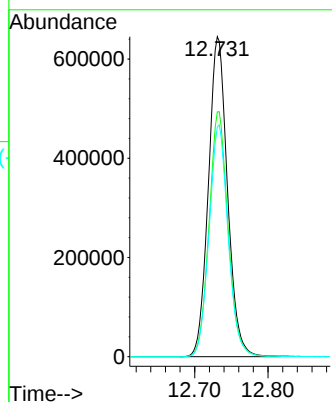
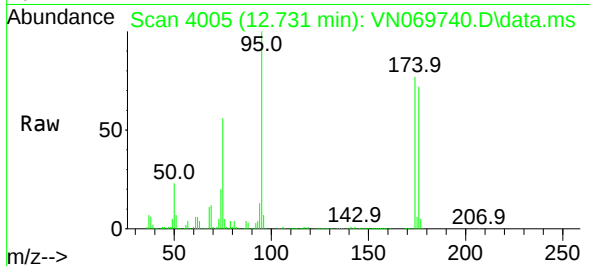




#62
4-Bromofluorobenzene
Concen: 53.349 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

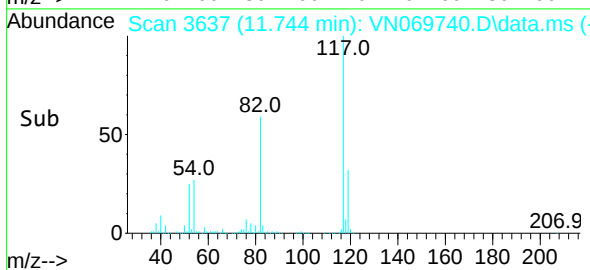
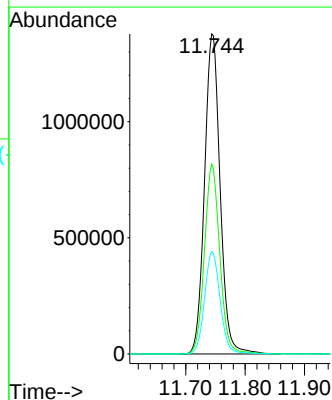
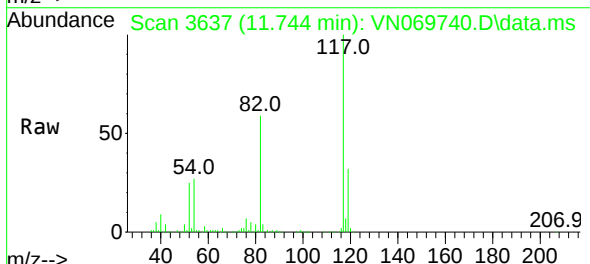
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20211130

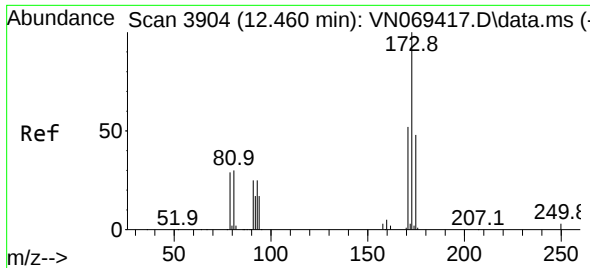
Tgt Ion: 95 Resp: 1166246
Ion Ratio Lower Upper
95 100
174 76.6 0.0 187.2
176 72.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

Tgt Ion: 117 Resp: 2511530
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 32.0 25.4 38.2

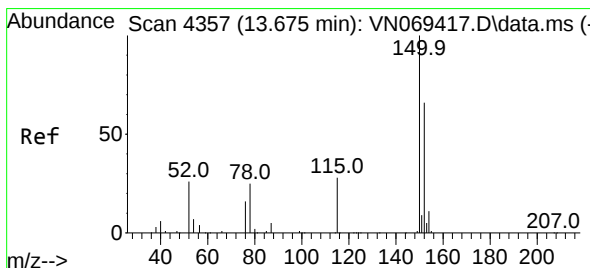
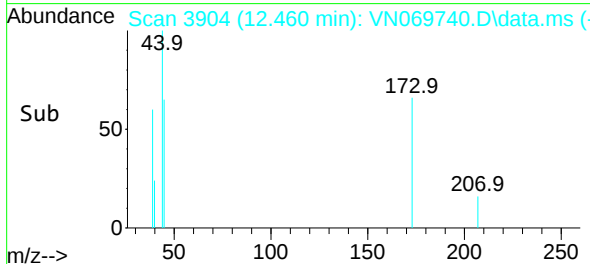
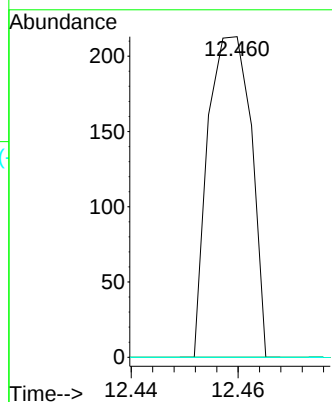
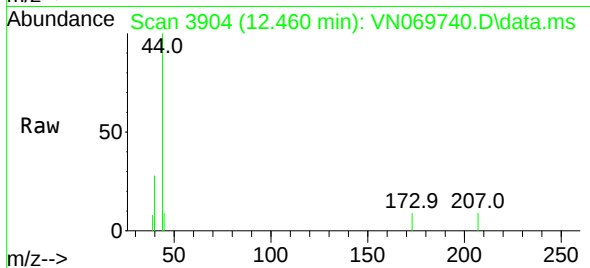




#71
Bromoform
Concen: 2.738 ug/l
RT: 12.460 min Scan# 3904
Delta R.T. -0.000 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

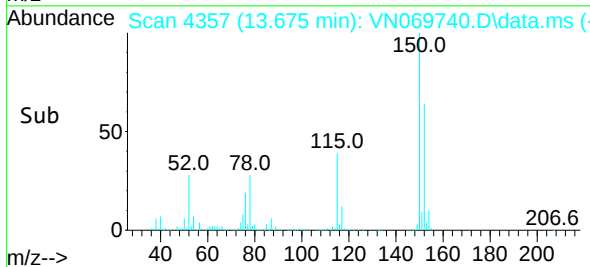
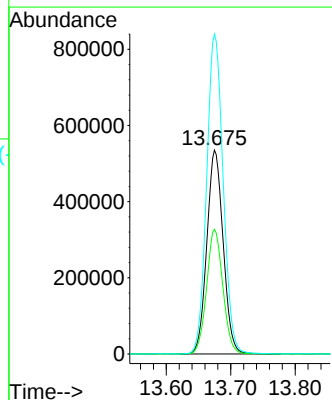
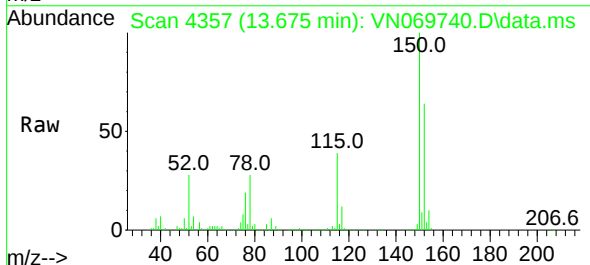
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20211130

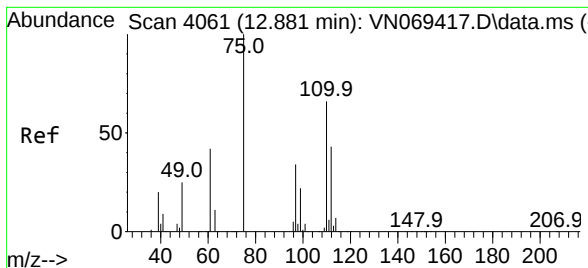
Tgt Ion:173 Resp: 119
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069740.D
Acq: 4 Dec 2021 1:24

Tgt Ion:152 Resp: 939810
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 158.7 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 24.046 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.150 min

Lab File: VN069740.D

Acq: 4 Dec 2021 1:24

Instrument :

MSVOA_N

ClientSampleId :

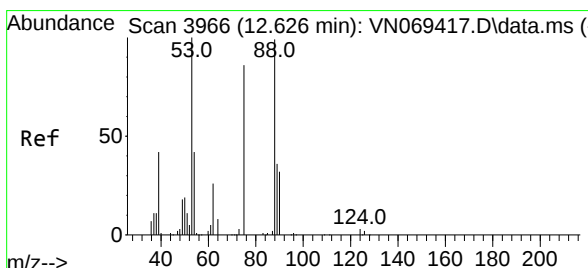
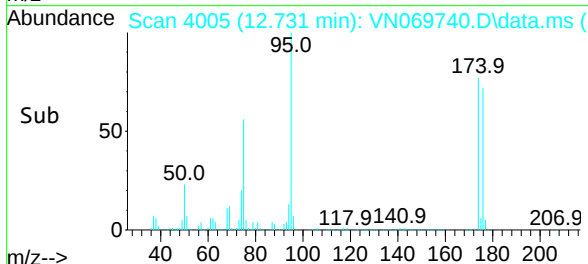
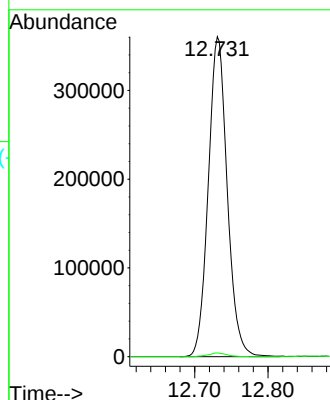
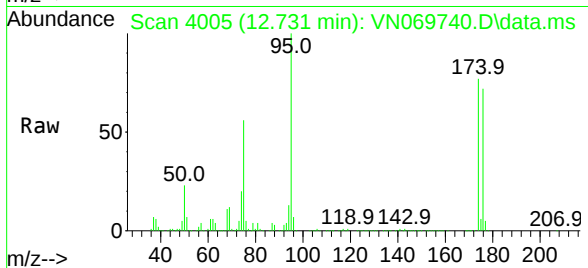
DUP01-20211130

Tgt Ion: 75 Resp: 648079

Ion Ratio Lower Upper

75 100

77 1.2 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.369 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. 0.105 min

Lab File: VN069740.D

Acq: 4 Dec 2021 1:24

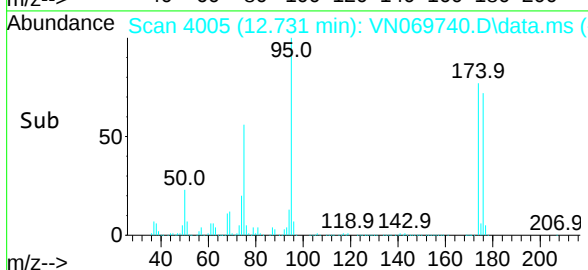
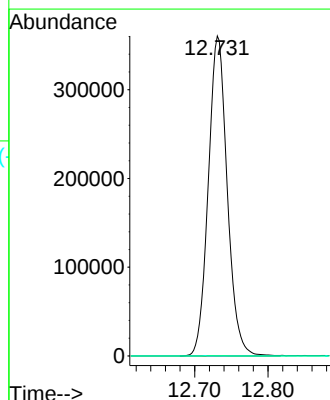
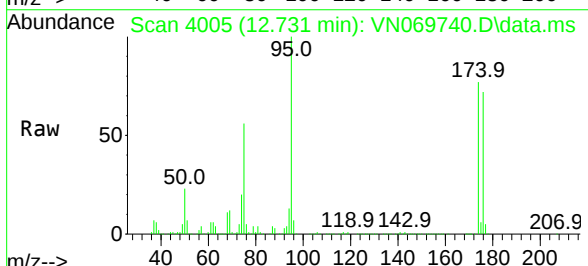
Tgt Ion: 75 Resp: 648079

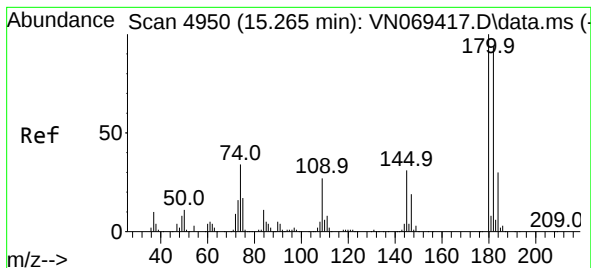
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 2.973 ug/l

RT: 15.268 min Scan# 4950

Delta R.T. 0.003 min

Lab File: VN069740.D

Acq: 4 Dec 2021 1:24

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20211130

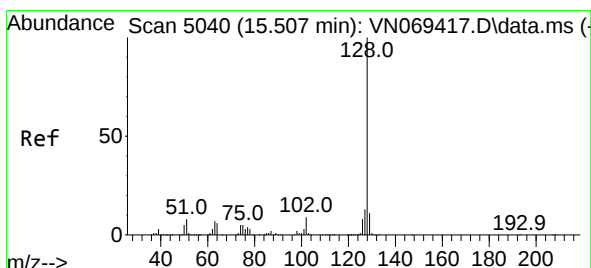
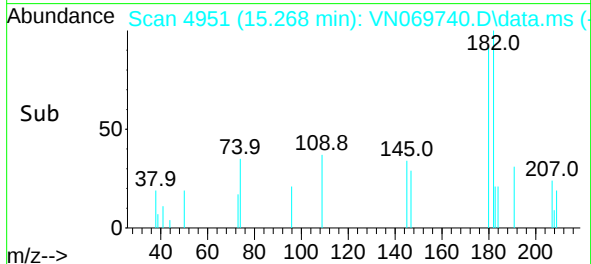
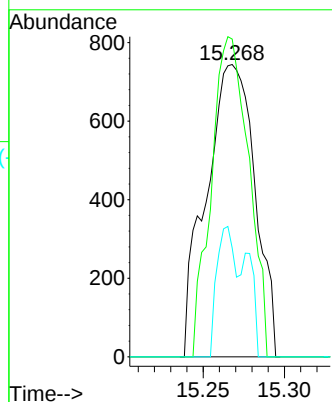
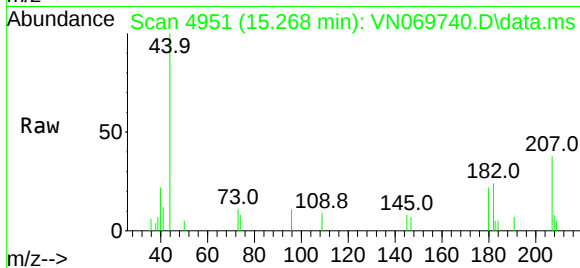
Tgt Ion:180 Resp: 1557

Ion Ratio Lower Upper

180 100

182 83.7 48.3 144.9

145 16.4 14.5 43.5



#95

Naphthalene

Concen: 4.109 ug/l

RT: 15.509 min Scan# 5041

Delta R.T. 0.002 min

Lab File: VN069740.D

Acq: 4 Dec 2021 1:24

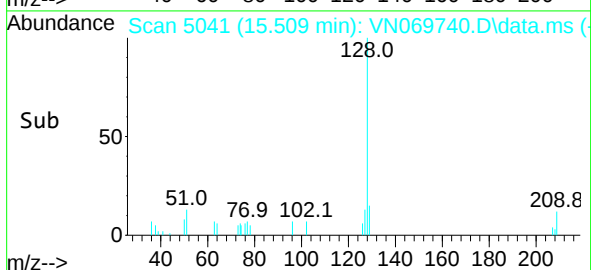
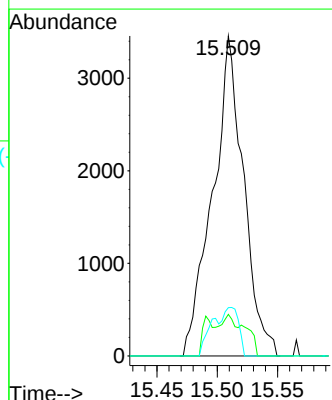
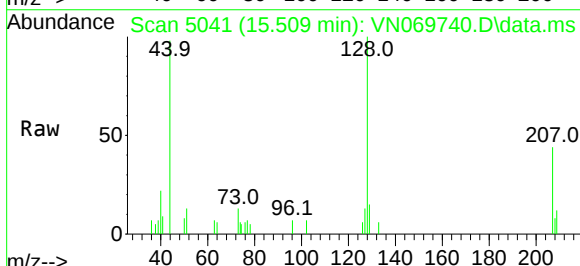
Tgt Ion:128 Resp: 6178

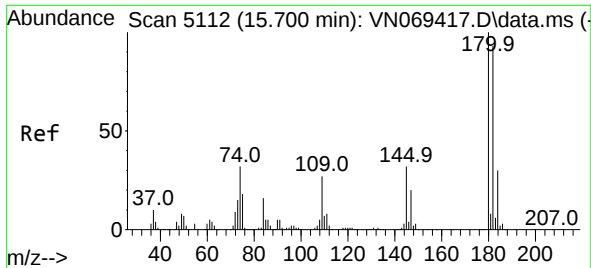
Ion Ratio Lower Upper

128 100

127 2.1 10.5 15.7#

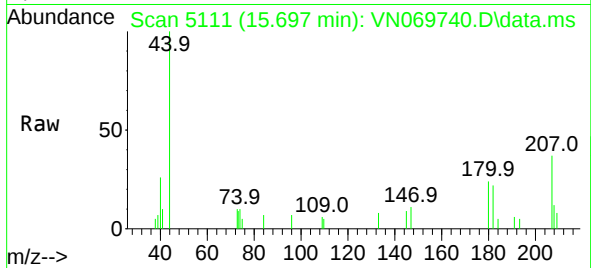
129 7.9 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.539 ug/l
 RT: 15.697 min Scan# 51
 Delta R.T. -0.005 min
 Lab File: VN069740.D
 Acq: 4 Dec 2021 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20211130



Tgt Ion:180 Resp: 1637
 Ion Ratio Lower Upper
 180 100
 182 82.8 47.4 142.2
 145 12.3 15.0 45.1#

