

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069744.D
 Acq On : 4 Dec 2021 3:06
 Operator : JC/MD
 Sample : M4919-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 05:41:30 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

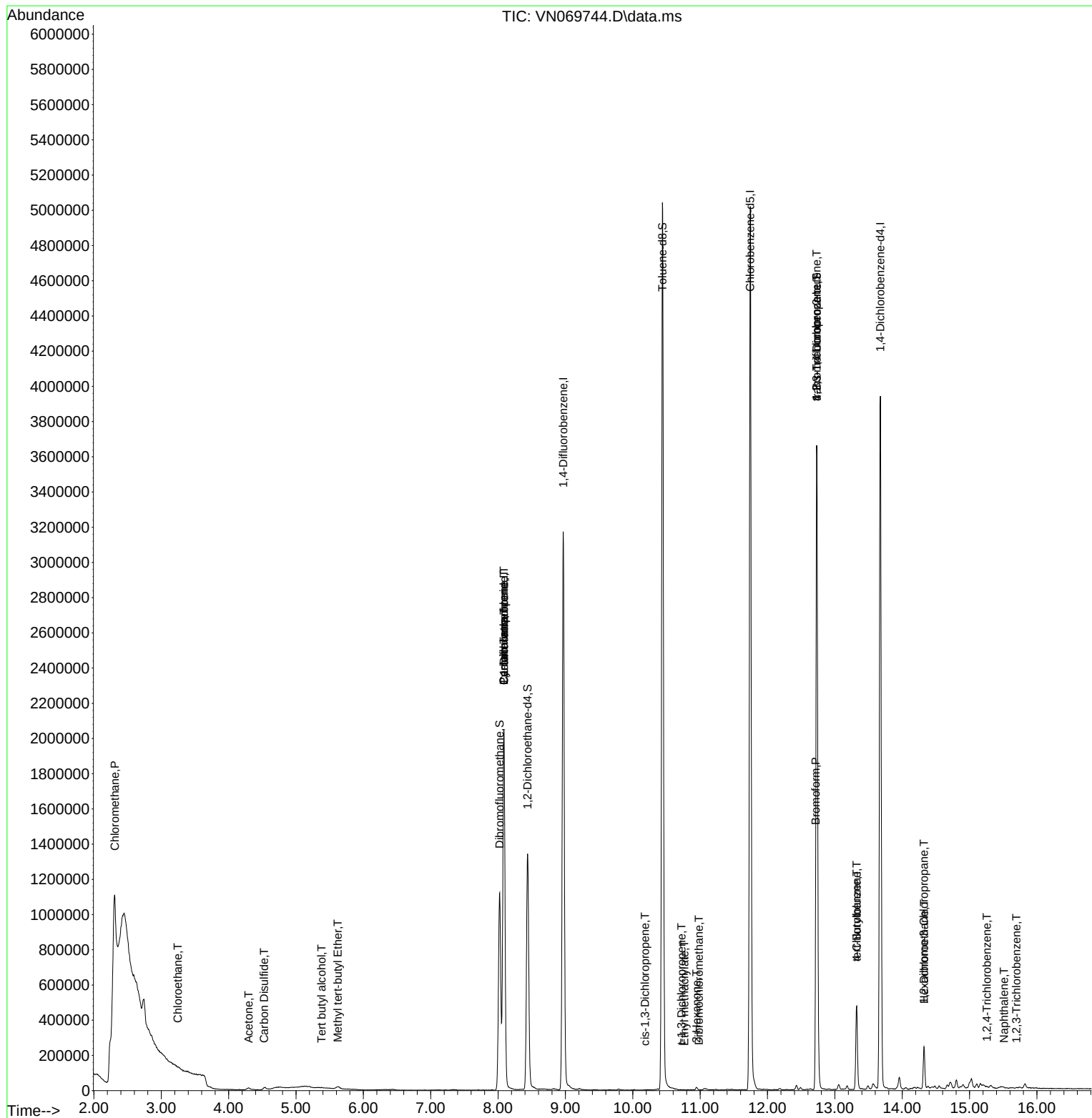
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1524853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2683372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2759971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1055090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1184231	50.299	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.600%	
35) Dibromofluoromethane	8.024	113	812244	48.325	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.640%	
50) Toluene-d8	10.440	98	3446148	51.062	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	12.731	95	1269376	51.917	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 103.840%	
Target Compounds						Qvalue
3) Chloromethane	2.309	50	51223	2.299	ug/l #	50
6) Chloroethane	3.247	64	10477	0.835	ug/l #	62
11) Tert butyl alcohol	5.380	59	1897	0.426	ug/l #	92
16) Acetone	4.296	43	18695	1.320	ug/l	91
17) Carbon Disulfide	4.527	76	13087	0.349	ug/l	99
19) Methyl tert-butyl Ether	5.618	73	14861	0.263	ug/l	94
31) Cyclohexane	8.086	56	39332	1.200	ug/l #	36
36) 1,1-Dichloropropene	8.086	75	131022	5.129	ug/l #	49
38) Carbon Tetrachloride	8.086	117	158136	6.313	ug/l #	16
53) t-1,3-Dichloropropene	10.725	75	51	2.796	ug/l #	43
54) cis-1,3-Dichloropropene	10.180	75	62	2.000	ug/l #	53
56) Ethyl methacrylate	10.765	69	109	2.282	ug/l #	1
59) 2-Hexanone	10.947	43	9563	0.346	ug/l	75
60) Dibromochloromethane	10.982	129	101	2.381	ug/l #	11
71) Bromoform	12.715	173	450	2.756	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	719962	23.794	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	719962	75.612	ug/l #	5
82) 4-Chlorotoluene	13.324	91	156886	2.527	ug/l #	38
83) tert-Butylbenzene	13.324	119	226634	3.387	ug/l	93
90) Hexachloroethane	14.327	117	7242	0.582	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.321	75	1578	0.269	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.255	180	283	2.893	ug/l #	1
95) Naphthalene	15.509	128	4645	4.068	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.697	180	387	2.457	ug/l #	74

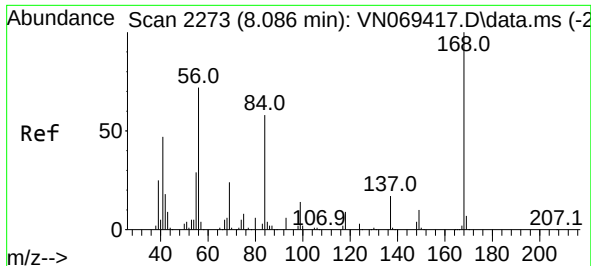
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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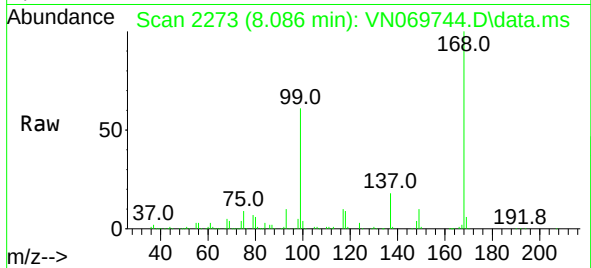
Quant Time: Dec 04 05:41:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
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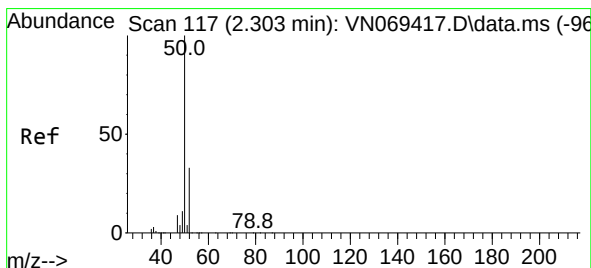
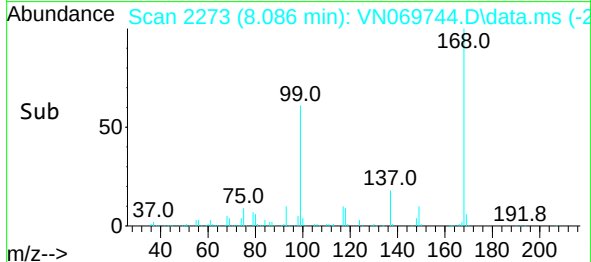
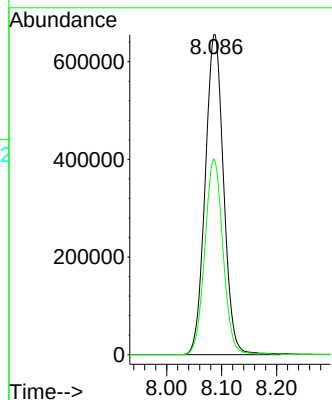


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

Instrument :
MSVOA_N
ClientSampleId :

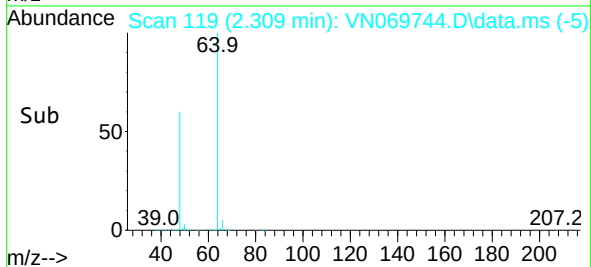
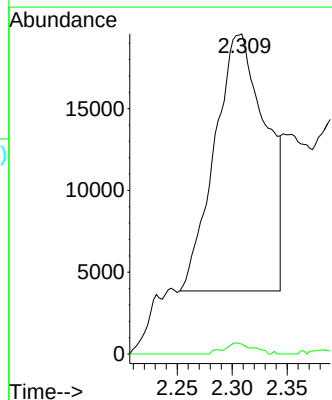
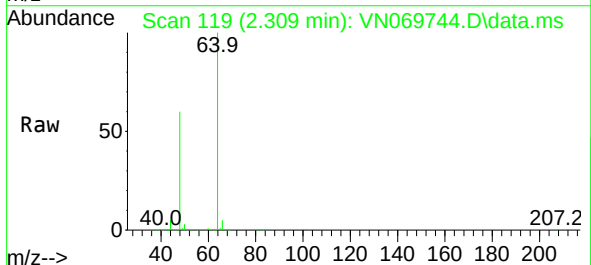


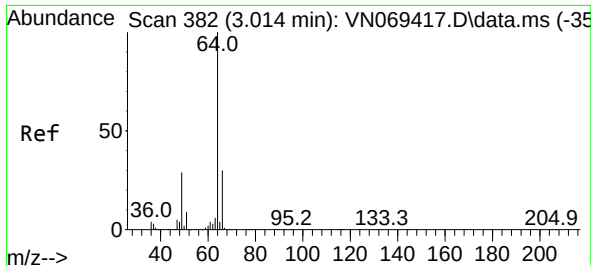
Tgt Ion:168 Resp: 1524853
Ion Ratio Lower Upper
168 100
99 61.2 41.3 61.9



#3
Chloromethane
Concen: 2.299 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

Tgt Ion: 50 Resp: 51223
Ion Ratio Lower Upper
50 100
52 3.8 25.4 38.0#

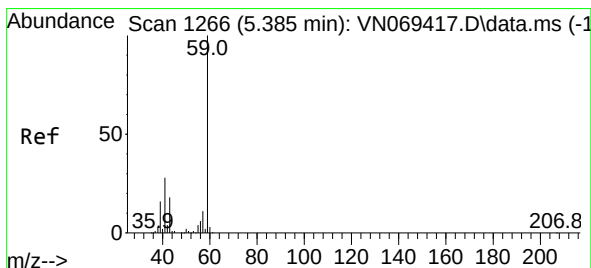
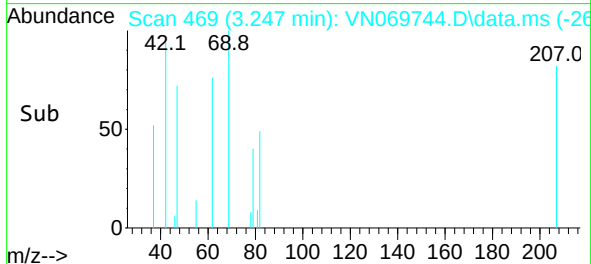
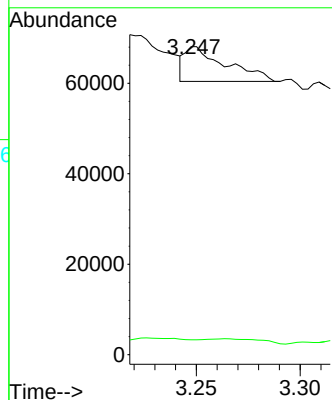
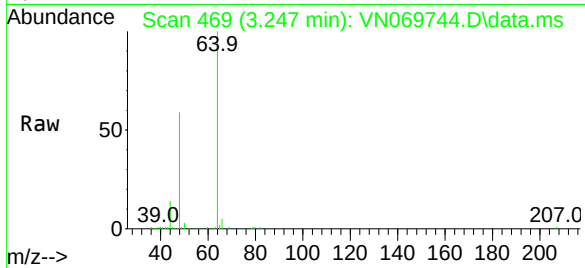




#6
Chloroethane
Concen: 0.835 ug/l
RT: 3.247 min Scan# 4
Delta R.T. 0.239 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

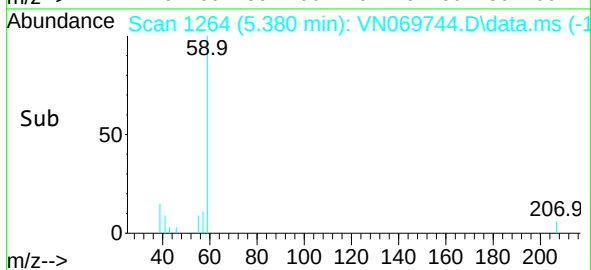
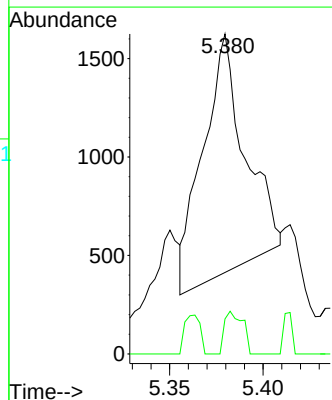
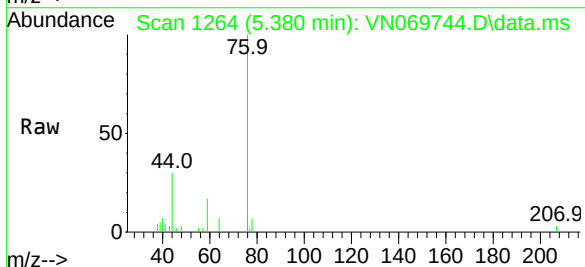
Instrument :
MSVOA_N
ClientSampleId :

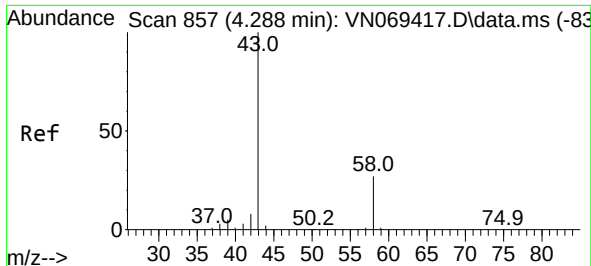
Tgt Ion: 64 Resp: 10477
Ion Ratio Lower Upper
64 100
66 11.6 26.3 39.5#



#11
Tert butyl alcohol
Concen: 0.426 ug/l
RT: 5.380 min Scan# 1264
Delta R.T. -0.011 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

Tgt Ion: 59 Resp: 1897
Ion Ratio Lower Upper
59 100
57 7.7 8.7 13.1#

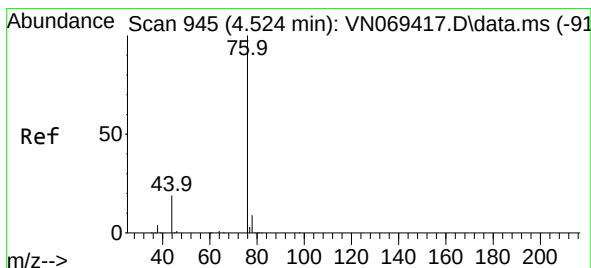
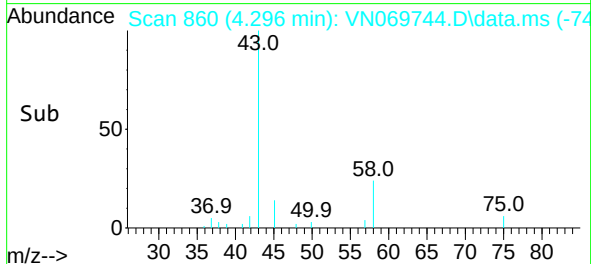
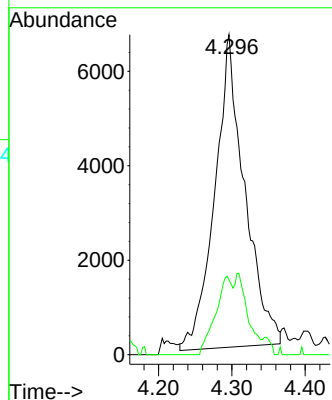
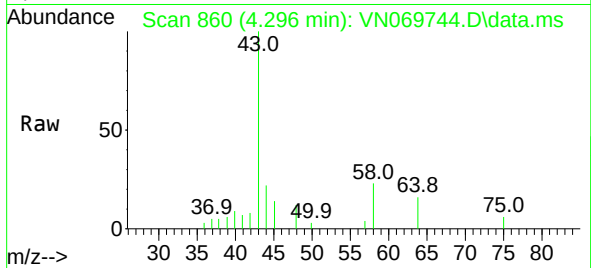




#16
Acetone
Concen: 1.320 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.006 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

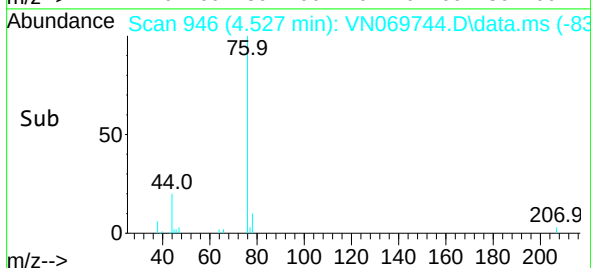
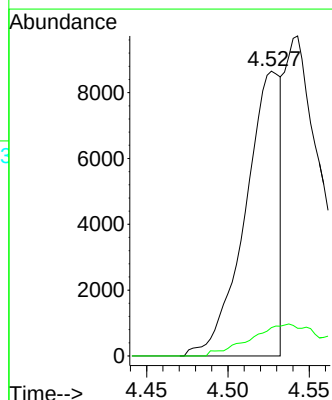
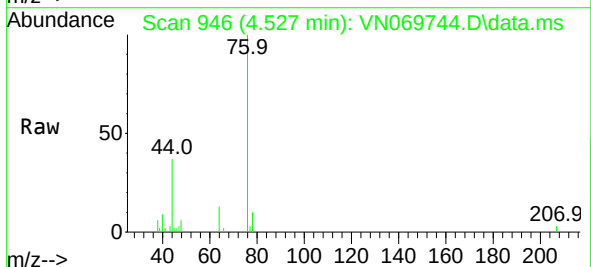
Instrument :
MSVOA_N
ClientSampleId :

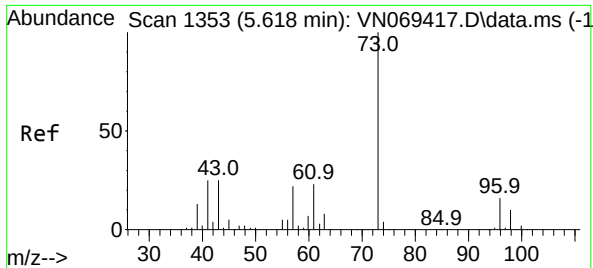
Tgt Ion: 43 Resp: 18695
Ion Ratio Lower Upper
43 100
58 24.1 23.1 34.7



#17
Carbon Disulfide
Concen: 0.349 ug/l
RT: 4.527 min Scan# 946
Delta R.T. 0.003 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

Tgt Ion: 76 Resp: 13087
Ion Ratio Lower Upper
76 100
78 9.9 7.5 11.3





#19

Methyl tert-butyl Ether

Concen: 0.263 ug/l

RT: 5.618 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN069744.D

Acq: 4 Dec 2021 3:06

Instrument :

MSVOA_N

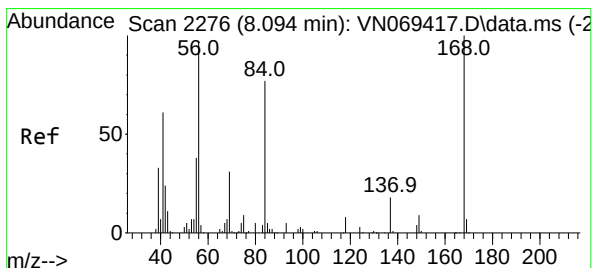
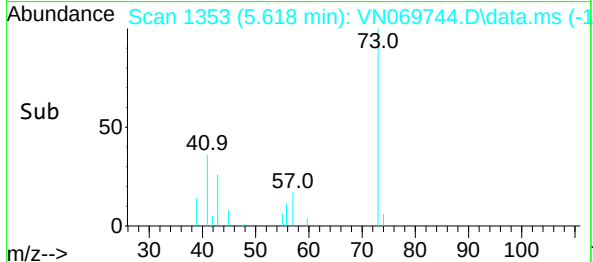
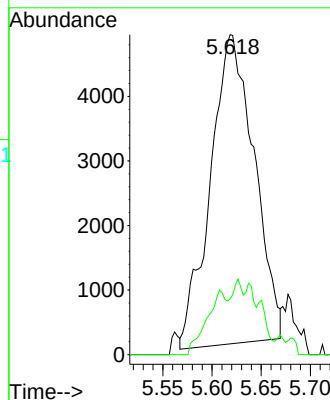
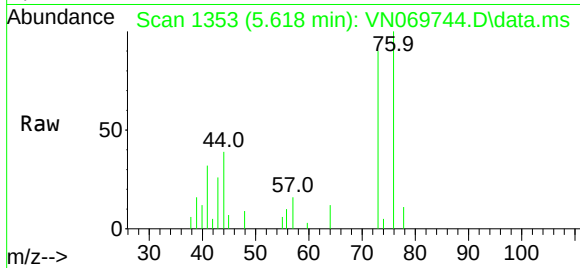
ClientSampleId :

Tgt Ion: 73 Resp: 14861

Ion Ratio Lower Upper

73 100

57 18.3 16.8 25.2



#31

Cyclohexane

Concen: 1.200 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN069744.D

Acq: 4 Dec 2021 3:06

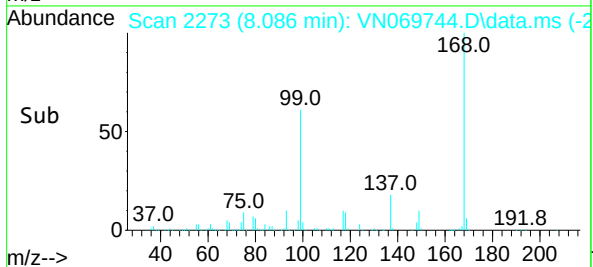
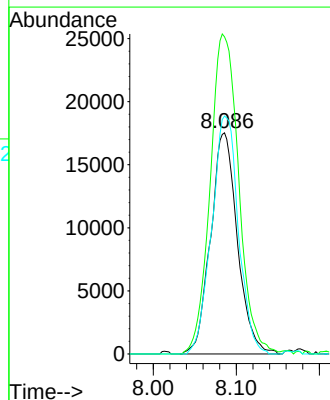
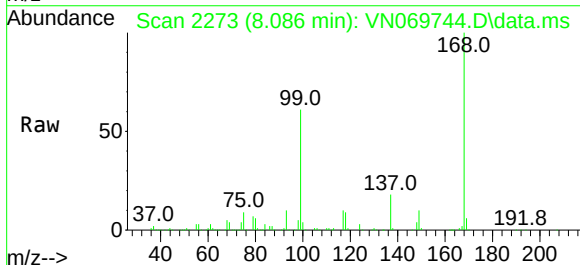
Tgt Ion: 56 Resp: 39332

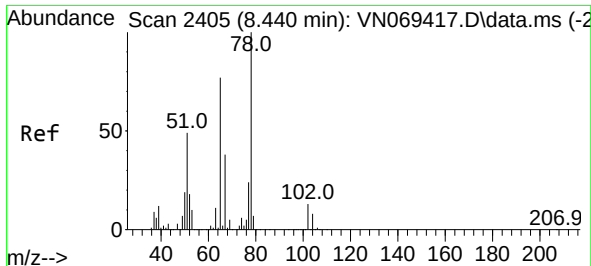
Ion Ratio Lower Upper

56 100

69 143.4 27.1 40.7#

84 107.6 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 50.299 ug/l

RT: 8.437 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN069744.D

Acq: 4 Dec 2021 3:06

Instrument :

MSVOA_N

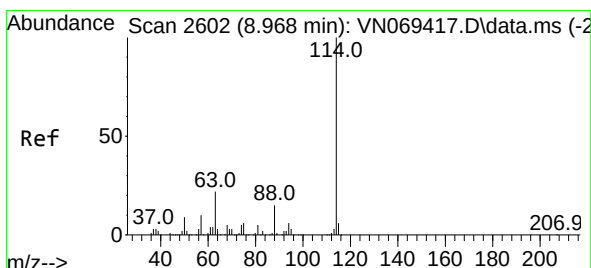
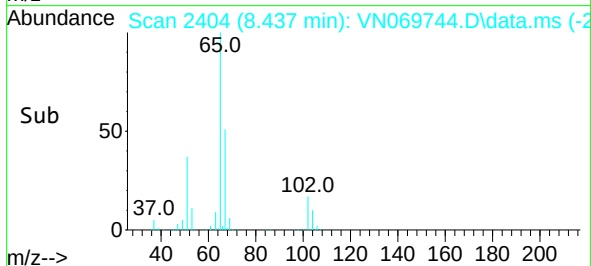
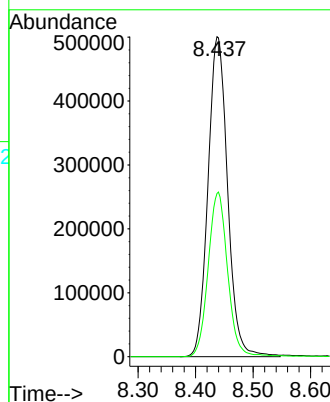
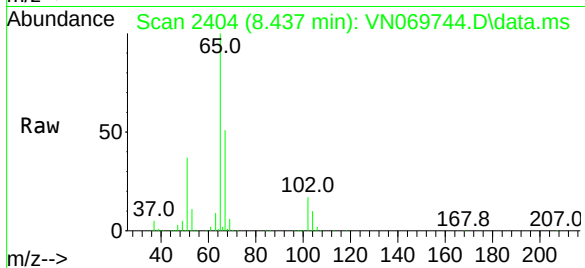
ClientSampleId :

Tgt Ion: 65 Resp: 1184231

Ion Ratio Lower Upper

65 100

67 51.1 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: VN069744.D

Acq: 4 Dec 2021 3:06

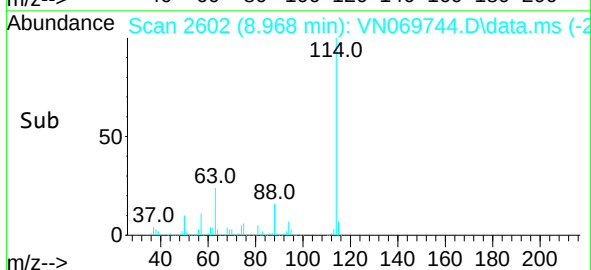
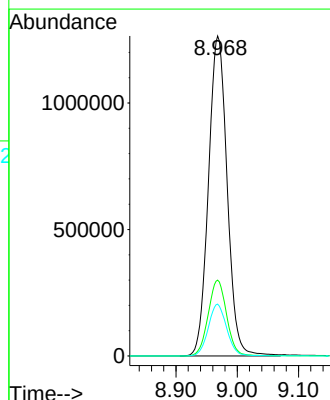
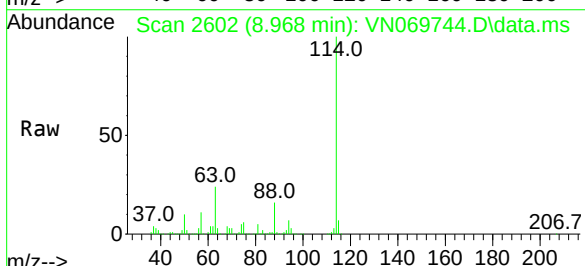
Tgt Ion: 114 Resp: 2683372

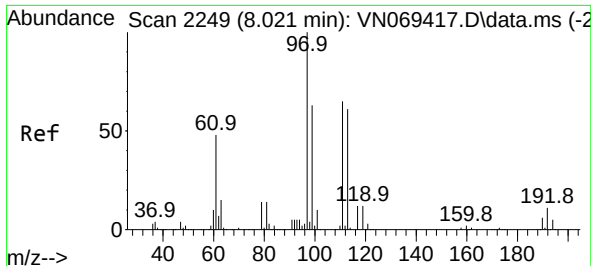
Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

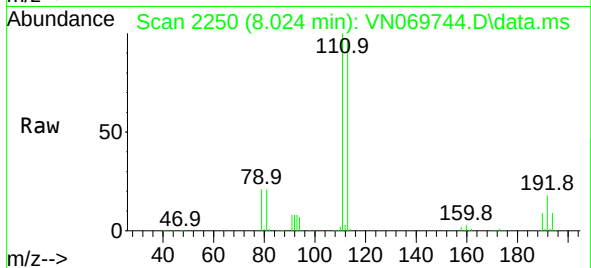
88 16.2 0.0 27.4



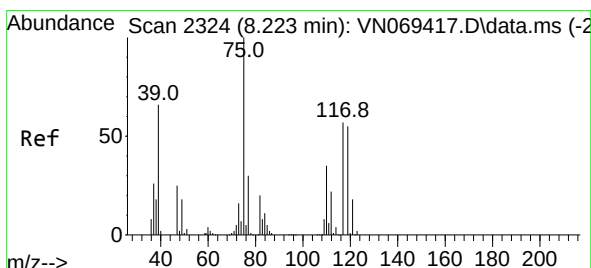
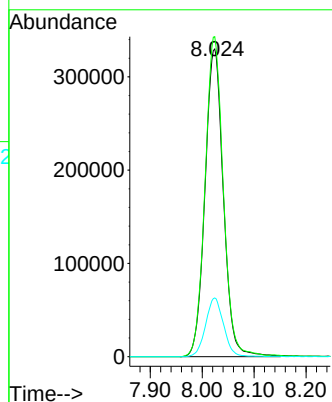
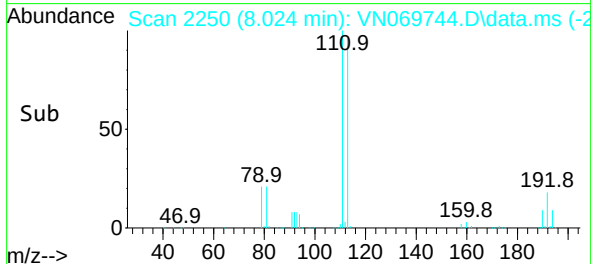


#35
Dibromofluoromethane
Concen: 48.325 ug/l
RT: 8.024 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

Instrument :
MSVOA_N
ClientSampleId :

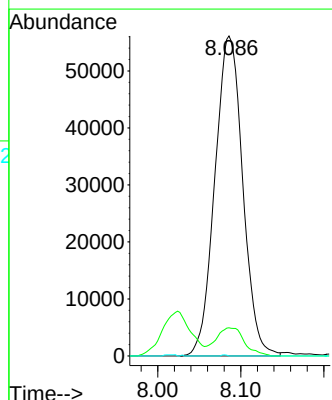
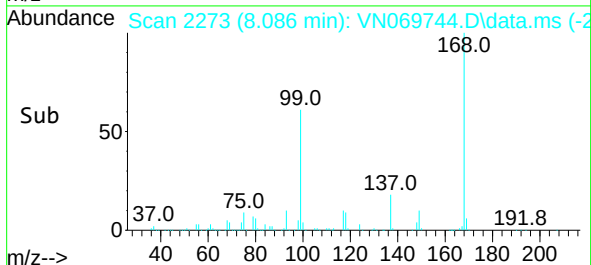
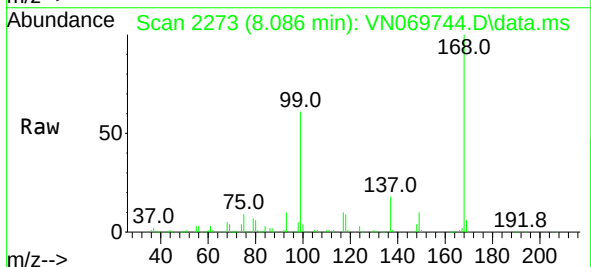


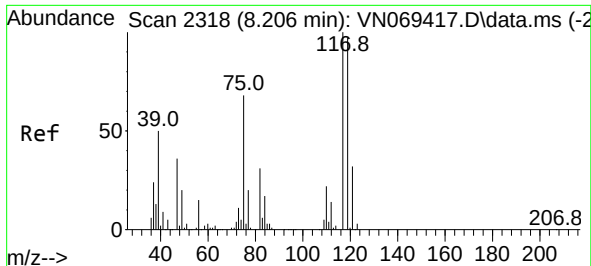
Tgt Ion:113 Resp: 812244
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 18.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.129 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

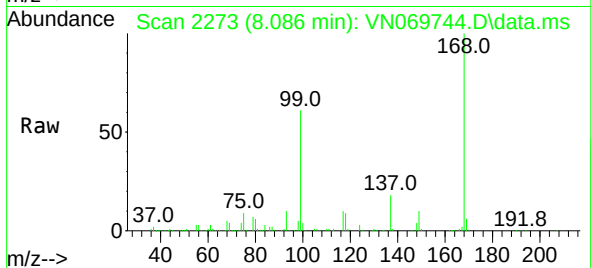
Tgt Ion: 75 Resp: 131022
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.1 24.4 36.6#



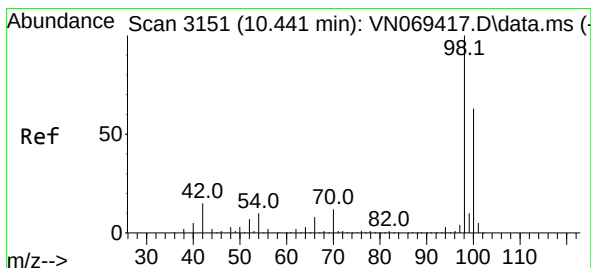
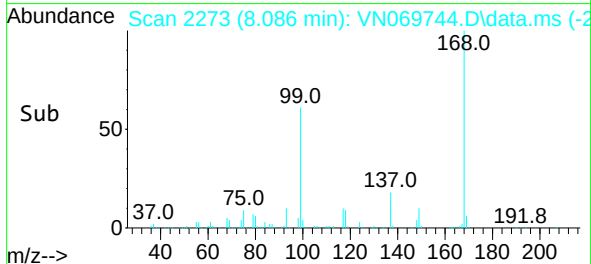
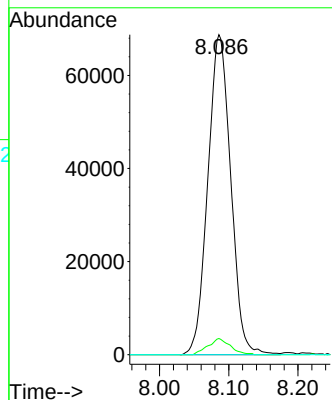


#38
Carbon Tetrachloride
Concen: 6.313 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

Instrument :
MSVOA_N
ClientSampleId :

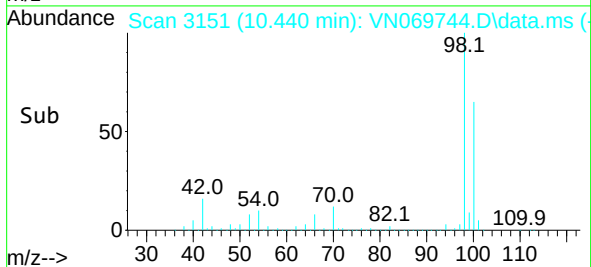
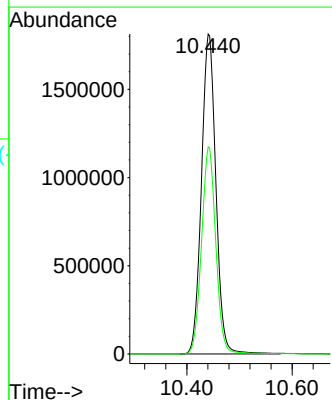
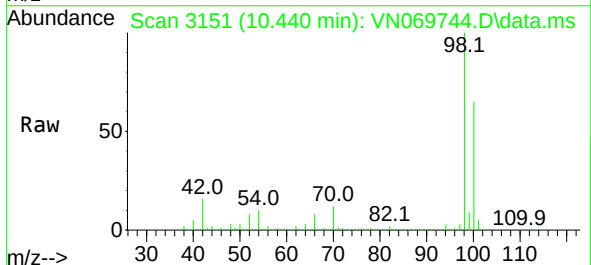


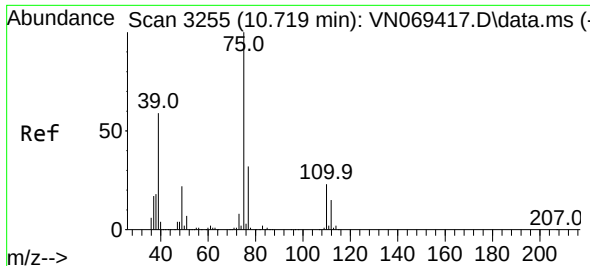
Tgt Ion:117 Resp: 158136
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.062 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.002 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

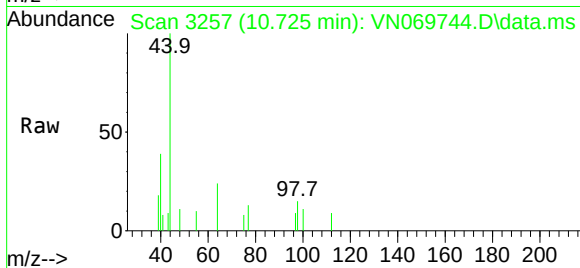
Tgt Ion: 98 Resp: 3446148
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



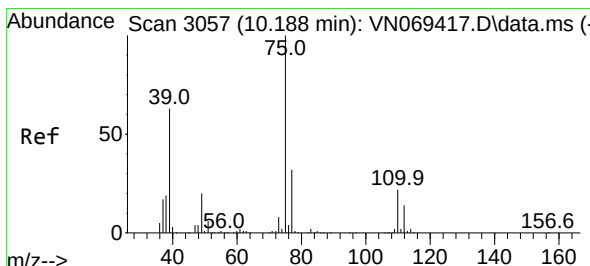
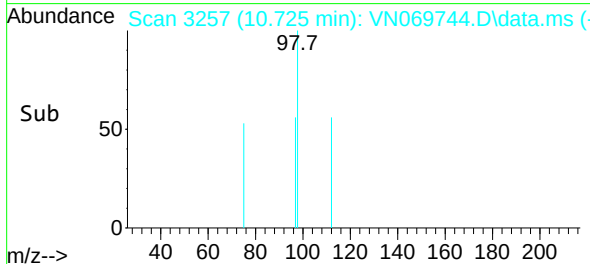
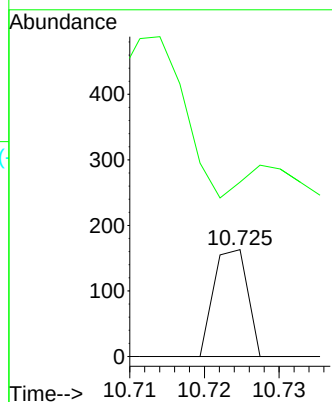


#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.725 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

Instrument :
MSVOA_N
ClientSampleId :

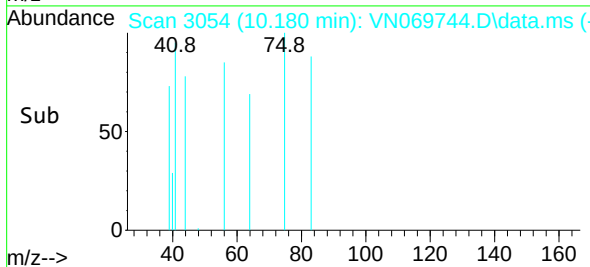
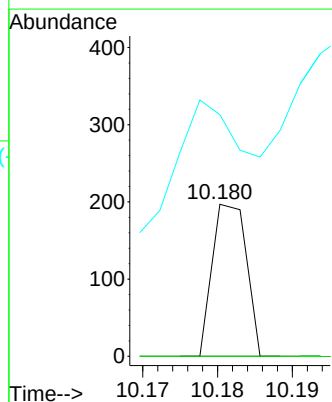
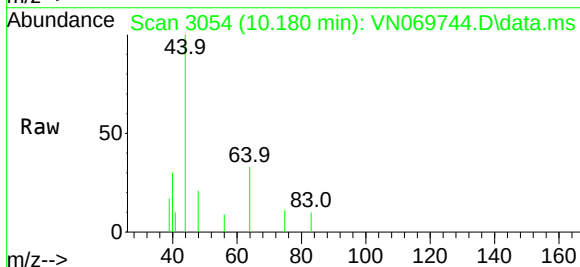


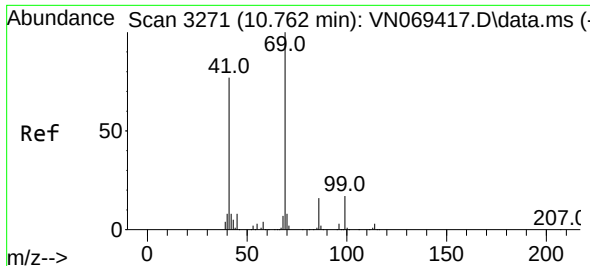
Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.000 ug/l
RT: 10.180 min Scan# 3054
Delta R.T. -0.011 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

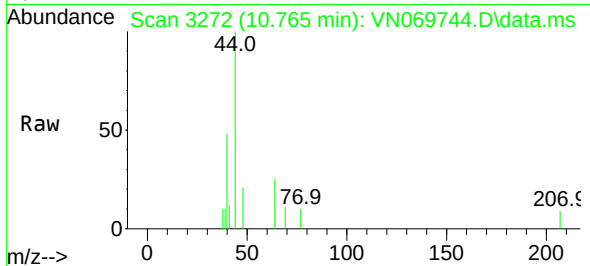
Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 24.9 42.5 63.7#



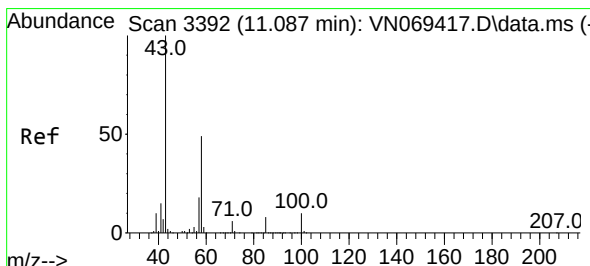
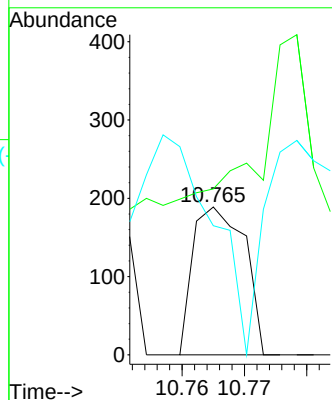
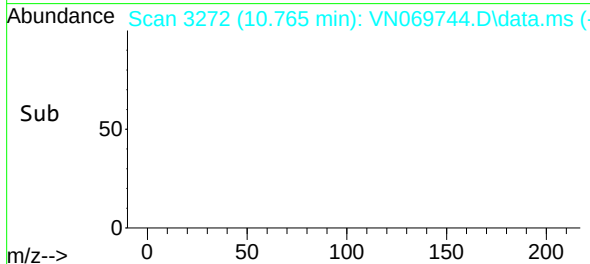


#56
Ethyl methacrylate
Concen: 2.282 ug/l
RT: 10.765 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

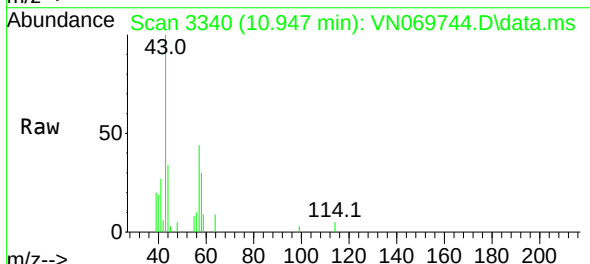
Instrument :
MSVOA_N
ClientSampleId :



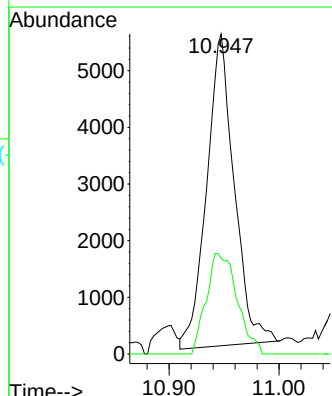
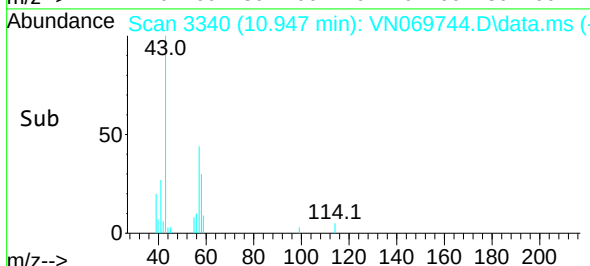
Tgt Ion: 69 Resp: 109
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 217.4 34.6 52.0#

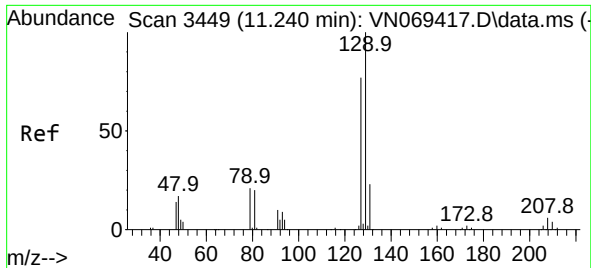


#59
2-Hexanone
Concen: 0.346 ug/l
RT: 10.947 min Scan# 3340
Delta R.T. -0.140 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06



Tgt Ion: 43 Resp: 9563
Ion Ratio Lower Upper
43 100
58 36.2 26.9 80.7

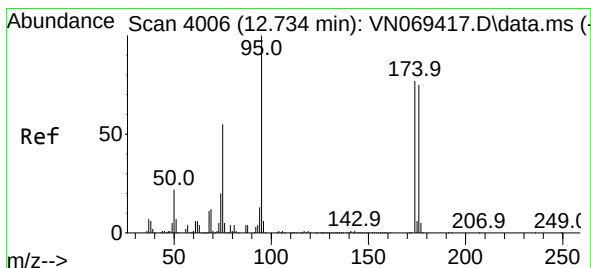
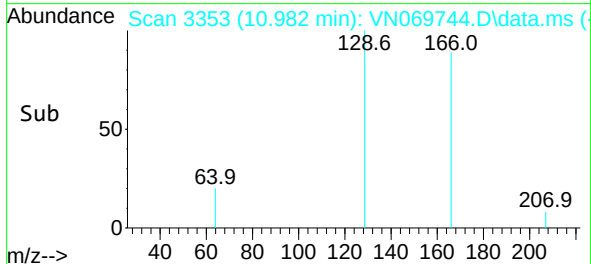
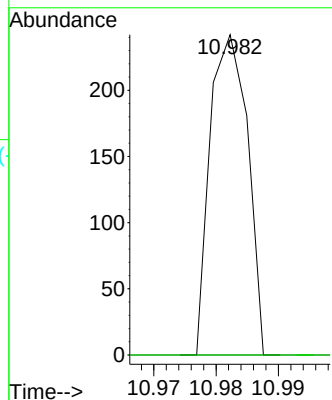
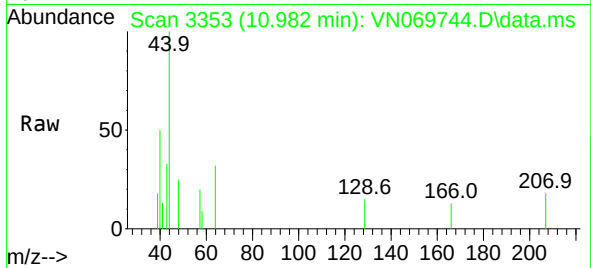




#60
Dibromochloromethane
Concen: 2.381 ug/l
RT: 10.982 min Scan# 31
Delta R.T. -0.258 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

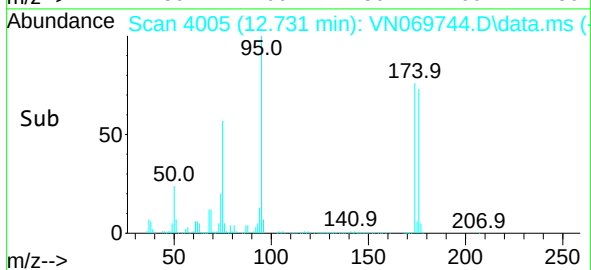
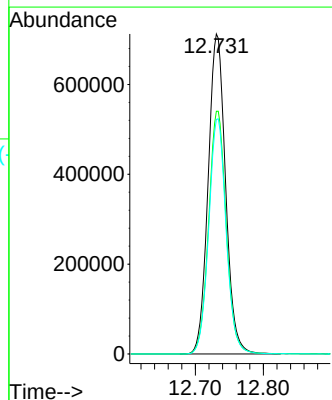
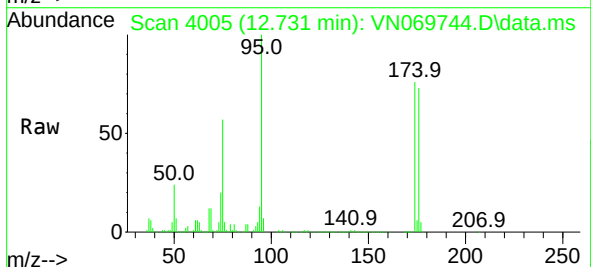
Instrument :
MSVOA_N
ClientSampleId :

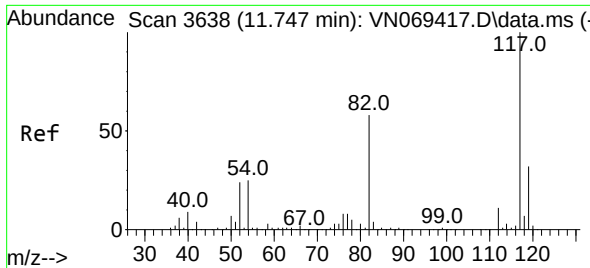
Tgt Ion:129 Resp: 101
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 51.917 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

Tgt Ion: 95 Resp: 1269376
Ion Ratio Lower Upper
95 100
174 76.5 0.0 187.2
176 73.4 0.0 181.4

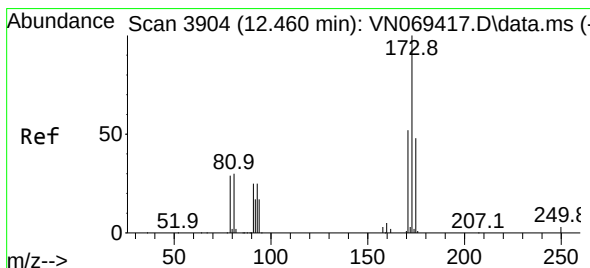
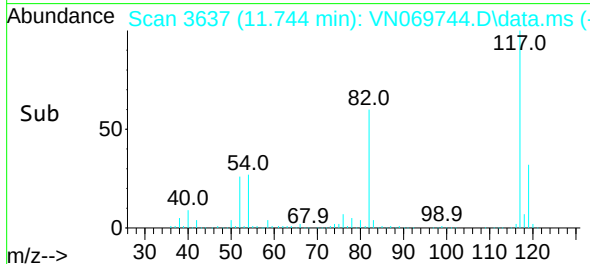
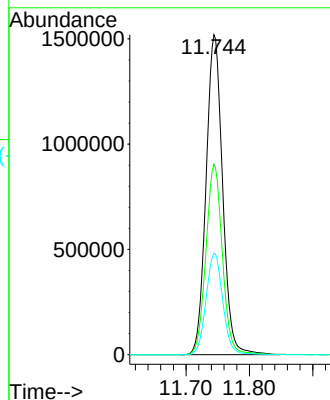
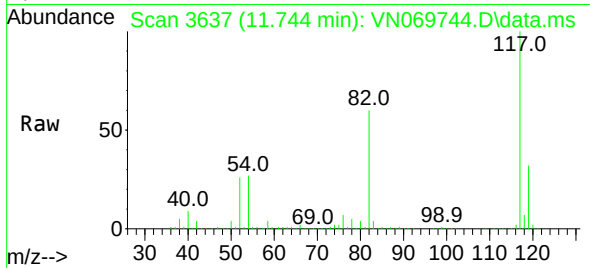




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3099
Delta R.T. -0.002 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

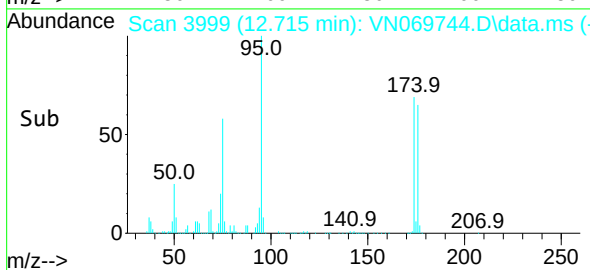
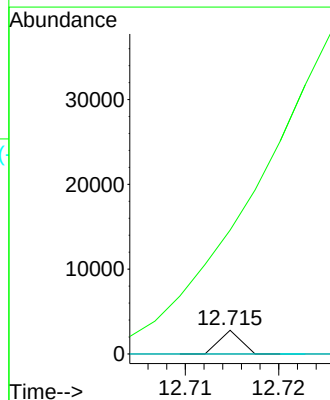
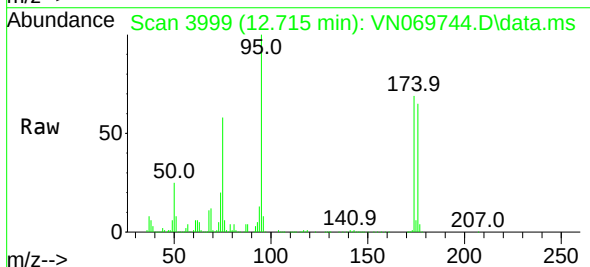
Instrument :
MSVOA_N
ClientSampleId :

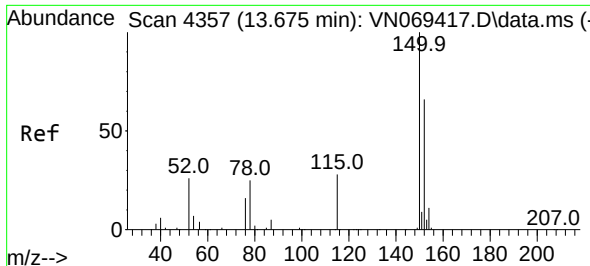
Tgt Ion:117 Resp: 2759971
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 31.7 25.4 38.2



#71
Bromoform
Concen: 2.756 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

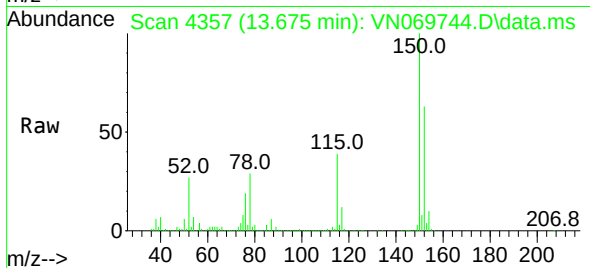
Tgt Ion:173 Resp: 450
Ion Ratio Lower Upper
173 100
175 15742.2 24.2 72.6#
254 0.0 0.0 0.0



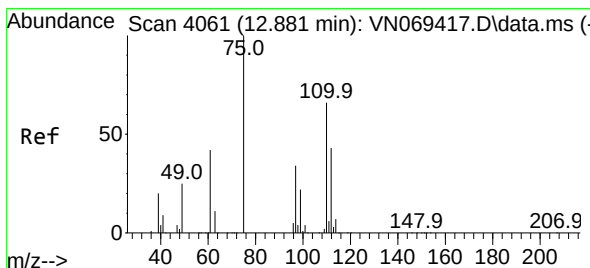
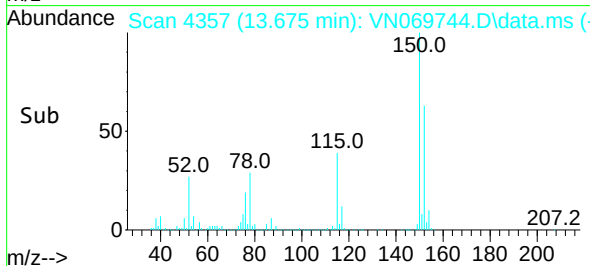
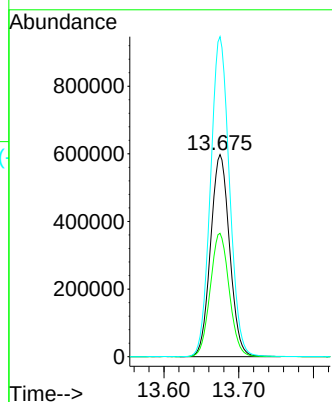


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.002 min
 Lab File: VN069744.D
 Acq: 4 Dec 2021 3:06

Instrument :
 MSVOA_N
 ClientSampleId :

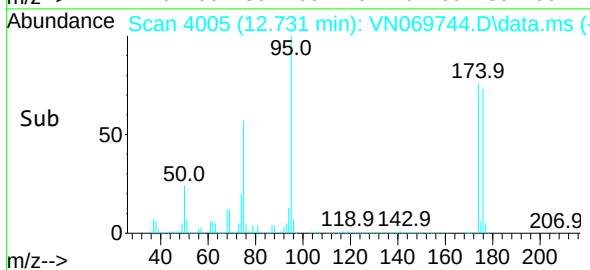
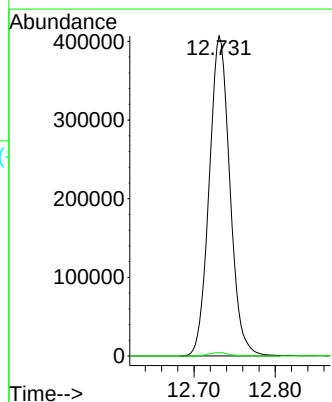
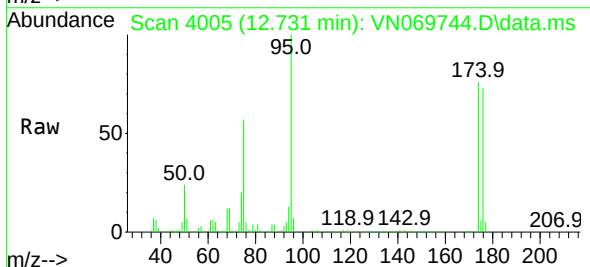


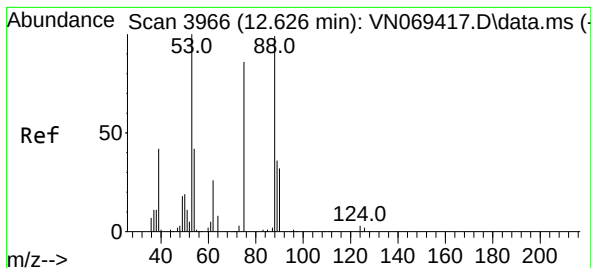
Tgt Ion:152 Resp: 1055090
 Ion Ratio Lower Upper
 152 100
 115 60.9 27.5 82.5
 150 157.9 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 23.794 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069744.D
 Acq: 4 Dec 2021 3:06

Tgt Ion: 75 Resp: 719962
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

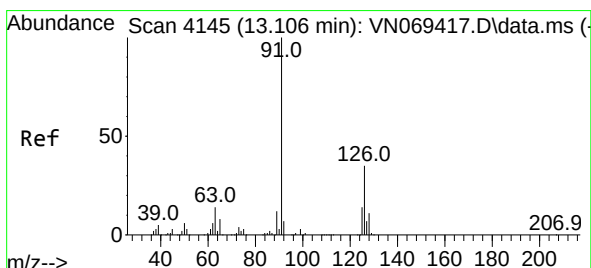
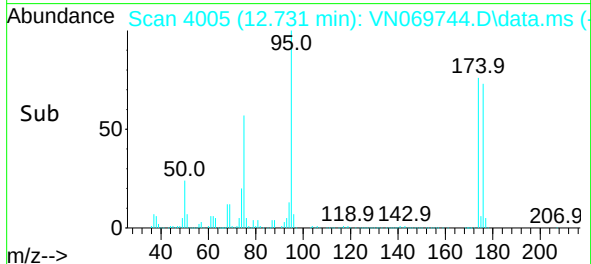
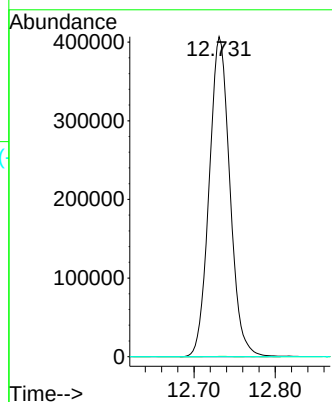
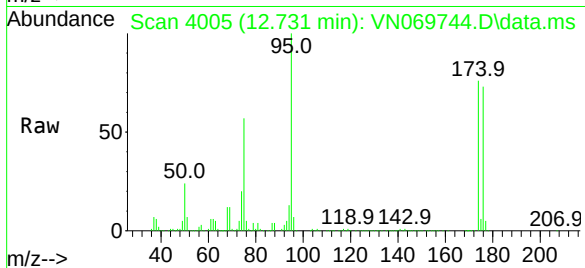




#81
trans-1,4-Dichloro-2-butene
Concen: 75.612 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

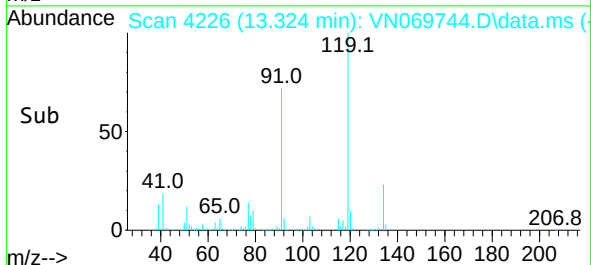
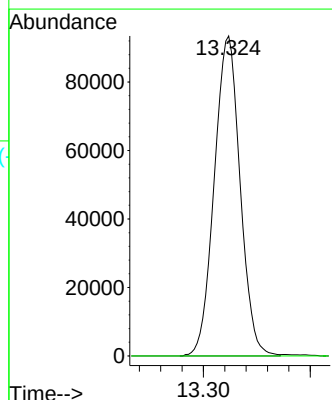
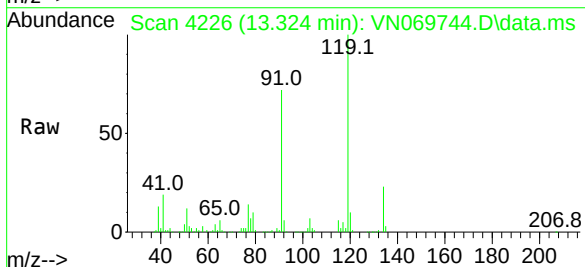
Instrument :
MSVOA_N
ClientSampleId :

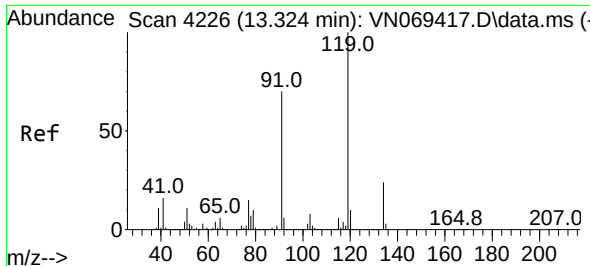
Tgt Ion: 75 Resp: 719962
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#82
4-Chlorotoluene
Concen: 2.527 ug/l
RT: 13.324 min Scan# 4226
Delta R.T. 0.217 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

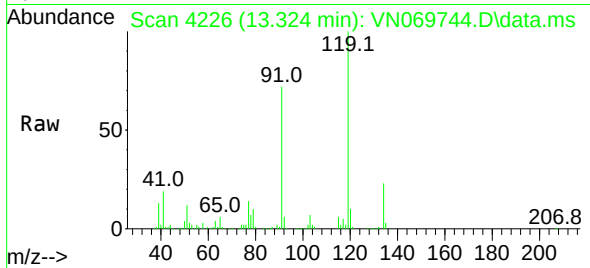
Tgt Ion: 91 Resp: 156886
Ion Ratio Lower Upper
91 100
126 0.0 18.2 54.6#



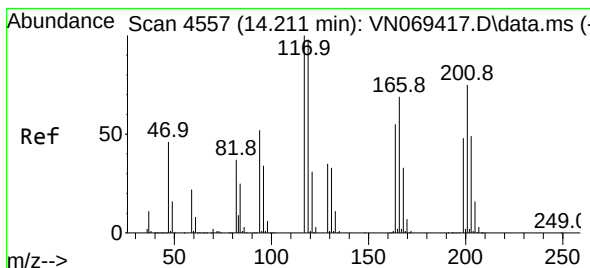
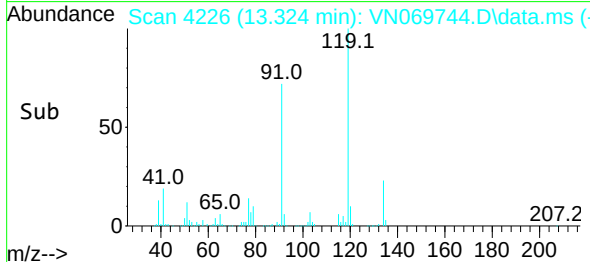
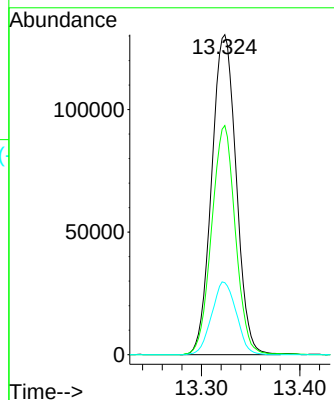


#83
tert-Butylbenzene
Concen: 3.387 ug/l
RT: 13.324 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

Instrument :
MSVOA_N
ClientSampleId :

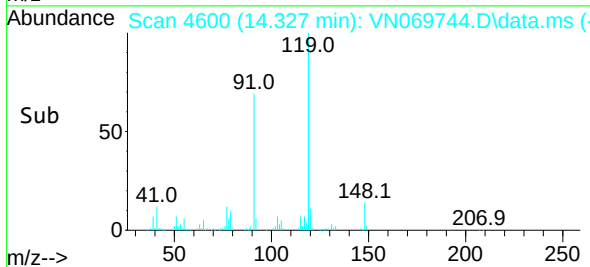
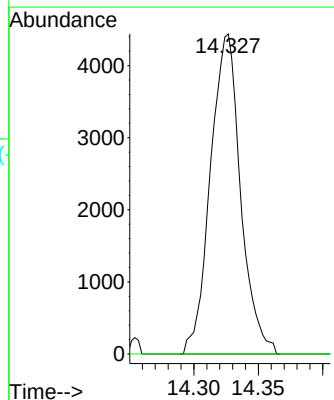
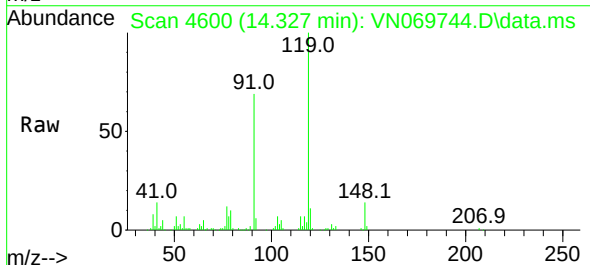


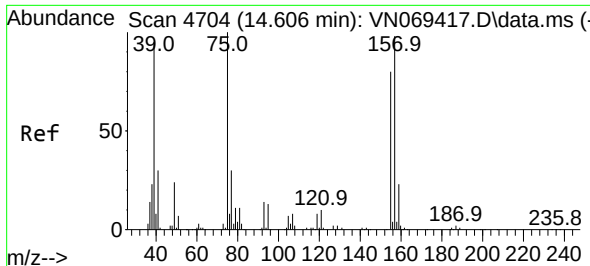
Tgt Ion:119 Resp: 226634
Ion Ratio Lower Upper
119 100
91 69.2 31.5 94.5
134 22.8 12.4 37.4



#90
Hexachloroethane
Concen: 0.582 ug/l
RT: 14.327 min Scan# 4600
Delta R.T. 0.116 min
Lab File: VN069744.D
Acq: 4 Dec 2021 3:06

Tgt Ion:117 Resp: 7242
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

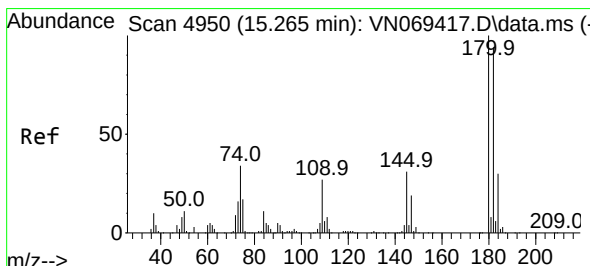
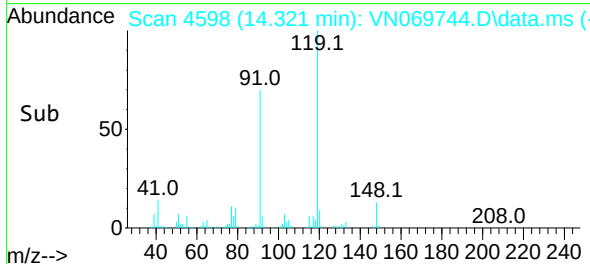
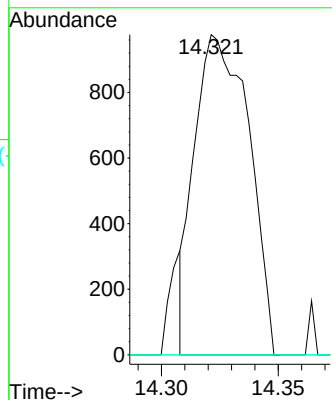
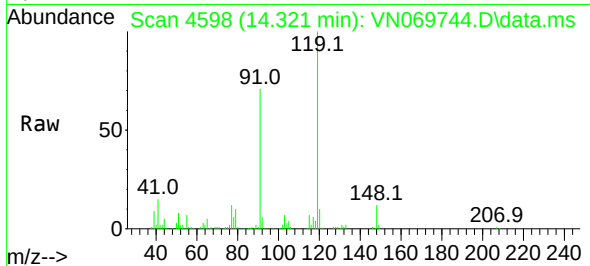




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.269 ug/l
 RT: 14.321 min Scan# 41
 Delta R.T. -0.281 min
 Lab File: VN069744.D
 Acq: 4 Dec 2021 3:06

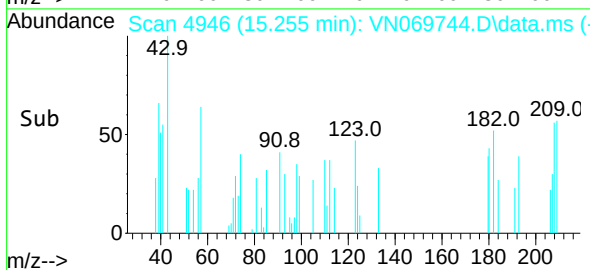
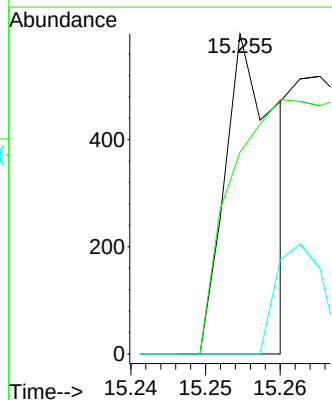
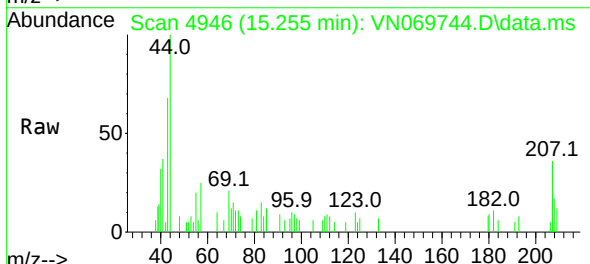
Instrument :
 MSVOA_N
 ClientSampleId :

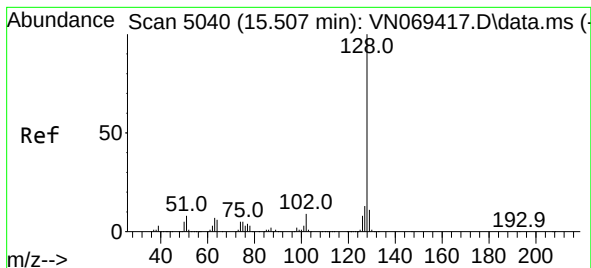
Tgt Ion: 75 Resp: 1578
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.9 140.7#
 157 0.0 60.6 181.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.893 ug/l
 RT: 15.255 min Scan# 4946
 Delta R.T. -0.010 min
 Lab File: VN069744.D
 Acq: 4 Dec 2021 3:06

Tgt Ion:180 Resp: 283
 Ion Ratio Lower Upper
 180 100
 182 306.4 48.3 144.9#
 145 30.7 14.5 43.5





#95

Naphthalene

Concen: 4.068 ug/l

RT: 15.509 min Scan# 5040

Delta R.T. 0.002 min

Lab File: VN069744.D

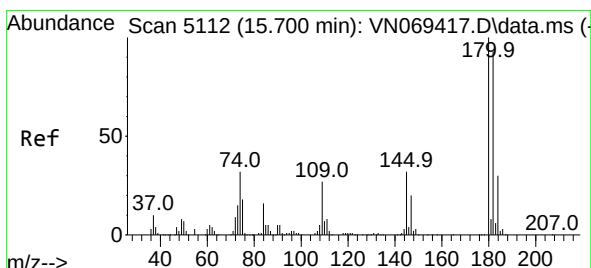
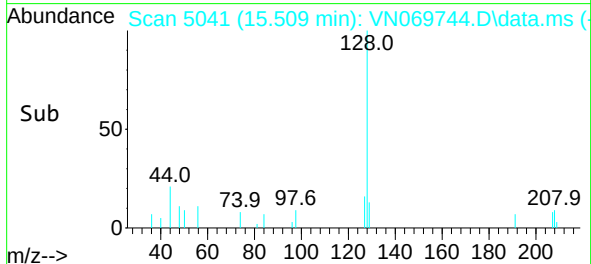
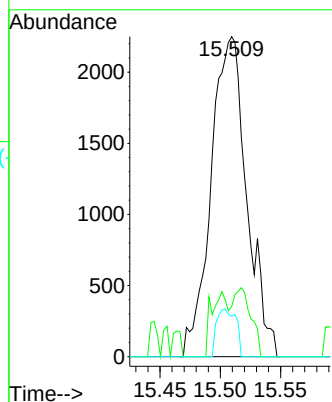
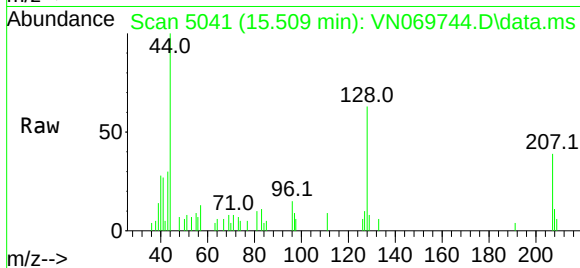
Acq: 4 Dec 2021 3:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	4645
Ion Ratio	Lower	Upper
128	100	
127	9.9	10.5 15.7#
129	0.0	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.457 ug/l

RT: 15.697 min Scan# 5111

Delta R.T. -0.005 min

Lab File: VN069744.D

Acq: 4 Dec 2021 3:06

Tgt Ion:180	Resp:	387
Ion Ratio	Lower	Upper
180	100	
182	110.6	47.4 142.2
145	0.0	15.0 45.1#

