

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069743.D
 Acq On : 4 Dec 2021 2:41
 Operator : JC/MD
 Sample : M4919-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 05:41:05 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)

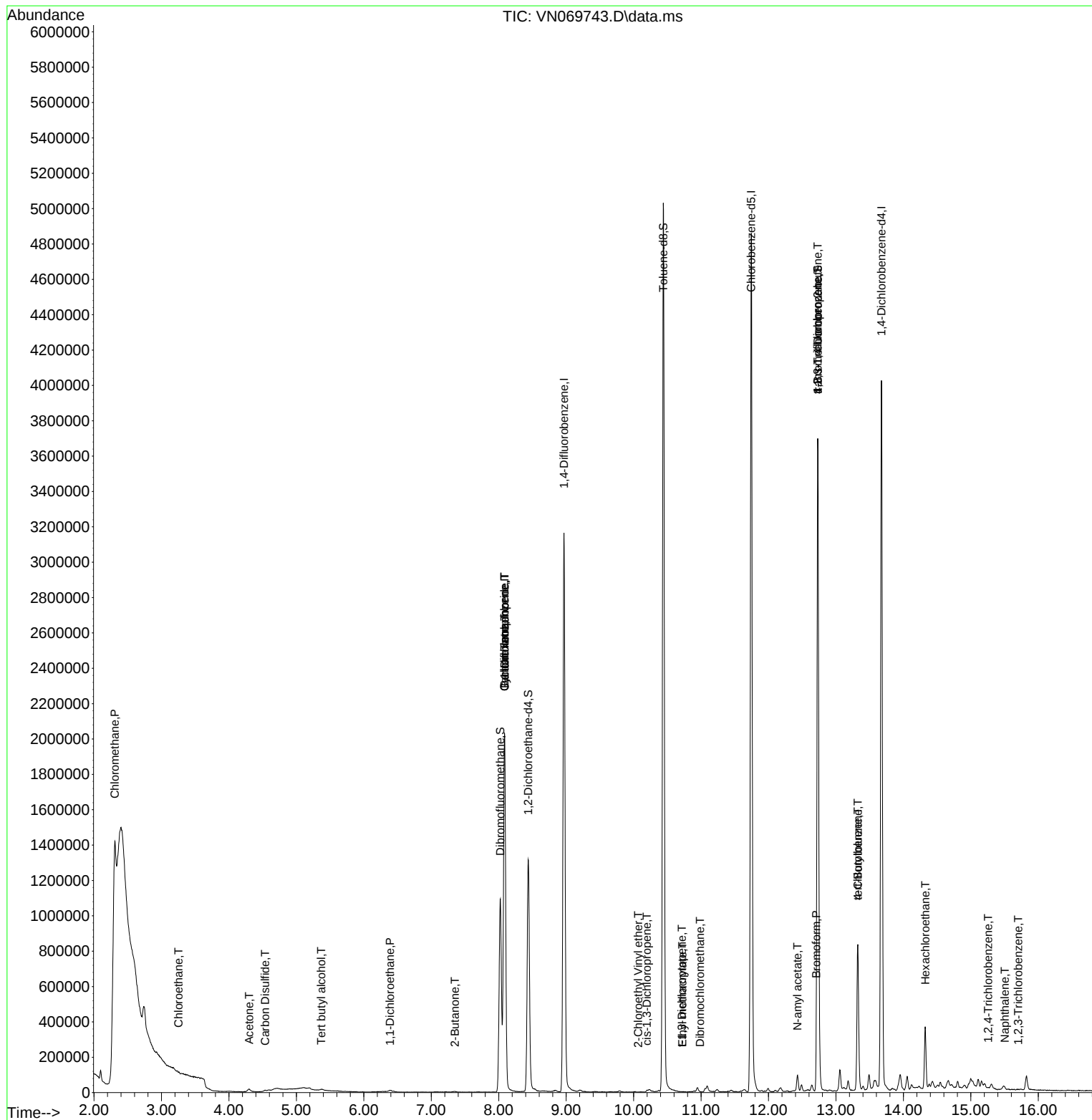
Internal Standards						
1) Pentafluorobenzene	8.086	168	1515986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2664542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2744331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1064223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1161811	49.636	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 99.280%			
35) Dibromofluoromethane	8.021	113	799927	47.928	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.860%			
50) Toluene-d8	10.440	98	3398013	50.704	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.400%			
62) 4-Bromofluorobenzene	12.731	95	1273813	52.467	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.940%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	78928	3.563	ug/l #	47
6) Chloroethane	3.253	64	6457	0.517	ug/l #	42
11) Tert butyl alcohol	5.366	59	3248	0.734	ug/l #	86
16) Acetone	4.299	43	27966	1.986	ug/l	99
17) Carbon Disulfide	4.537	76	21517	0.577	ug/l	96
24) 1,1-Dichloroethane	6.385	63	9474	0.288	ug/l #	94
25) 2-Butanone	7.351	43	4186	0.219	ug/l	97
31) Cyclohexane	8.088	56	38652	1.187	ug/l #	25
36) 1,1-Dichloropropene	8.086	75	130210	5.133	ug/l #	48
38) Carbon Tetrachloride	8.088	117	156649	6.298	ug/l #	16
53) t-1,3-Dichloropropene	10.714	75	109	2.797	ug/l	100
54) cis-1,3-Dichloropropene	10.196	75	100	2.002	ug/l #	1
56) Ethyl methacrylate	10.722	69	130	2.283	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.068	63	65	18.395	ug/l #	45
60) Dibromochloromethane	10.985	129	139	2.383	ug/l #	11
71) Bromoform	12.707	173	43	2.733	ug/l #	29
74) N-amyl acetate	12.428	43	21364	0.510	ug/l #	57
76) 1,2,3-Trichloropropane	12.731	75	721669	23.646	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	721669	75.166	ug/l #	5
82) 4-Chlorotoluene	13.323	91	273134	4.362	ug/l #	38
83) tert-Butylbenzene	13.323	119	386129	5.722	ug/l	92
90) Hexachloroethane	14.327	117	10735	0.855	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.257	180	790	2.921	ug/l #	56
95) Naphthalene	15.504	128	6078	4.093	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.702	180	594	2.469	ug/l #	1

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

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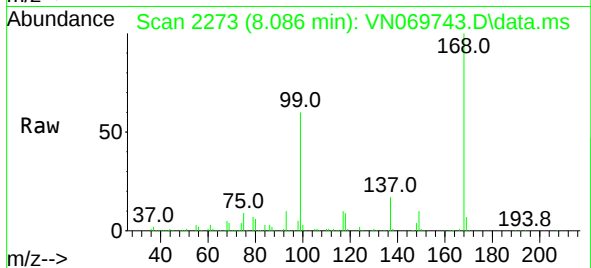
Quant Time: Dec 04 05:41:05 2021
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Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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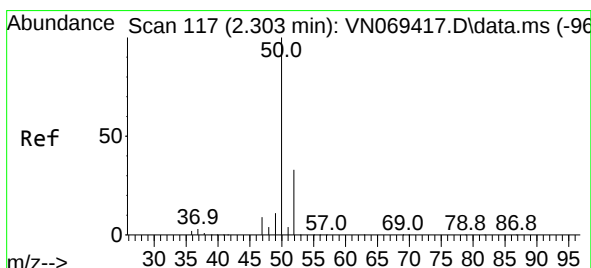
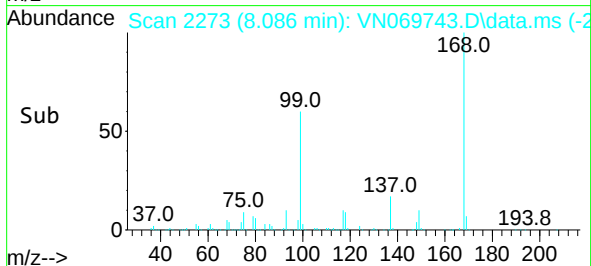
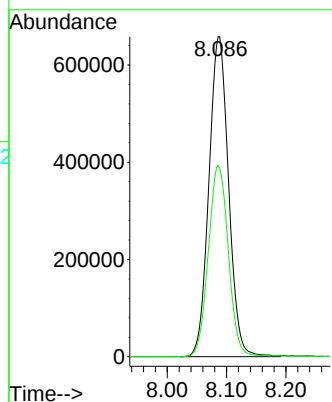


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

Instrument :
MSVOA_N
ClientSampleId :

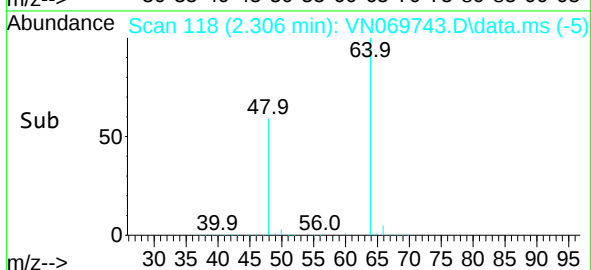
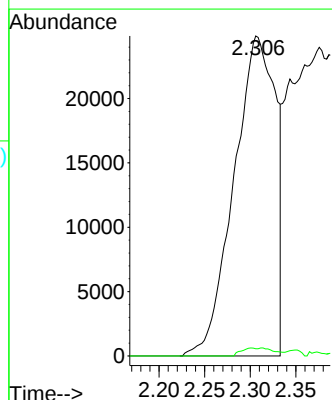
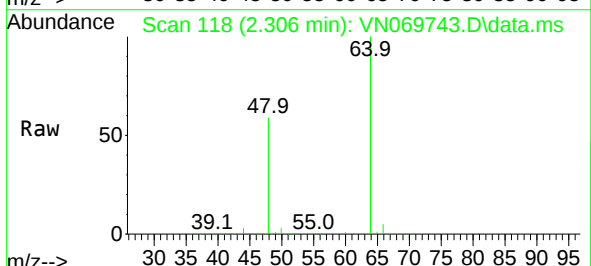


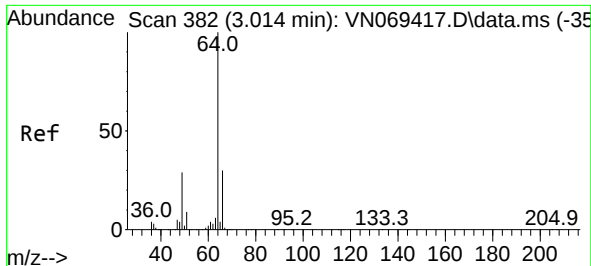
Tgt Ion:168 Resp: 1515986
Ion Ratio Lower Upper
168 100
99 59.7 41.3 61.9



#3
Chloromethane
Concen: 3.563 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

Tgt Ion: 50 Resp: 78928
Ion Ratio Lower Upper
50 100
52 2.3 25.4 38.0#

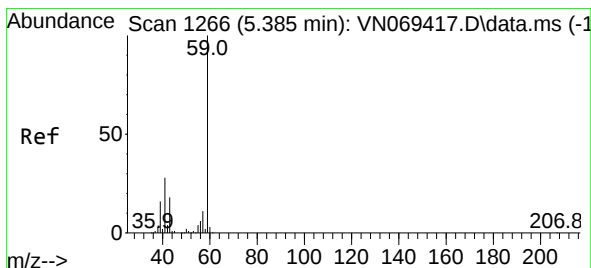
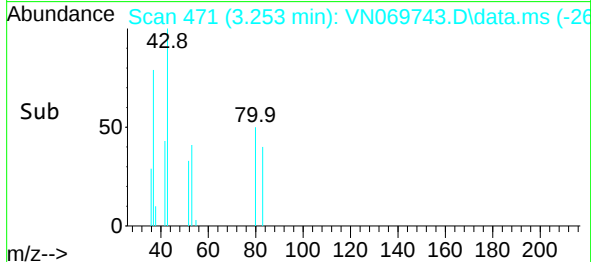
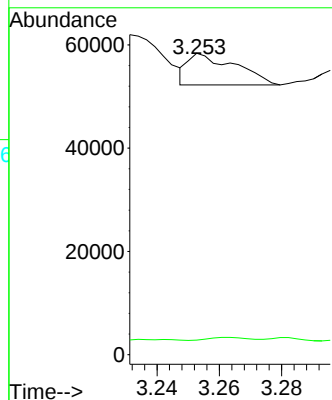
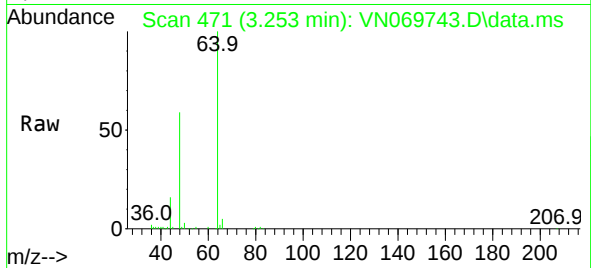




#6
Chloroethane
Concen: 0.517 ug/l
RT: 3.253 min Scan# 41
Delta R.T. 0.244 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

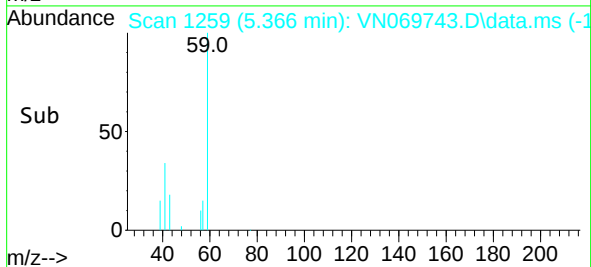
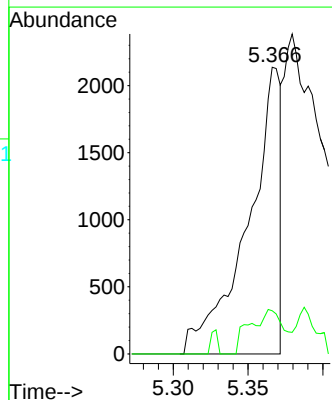
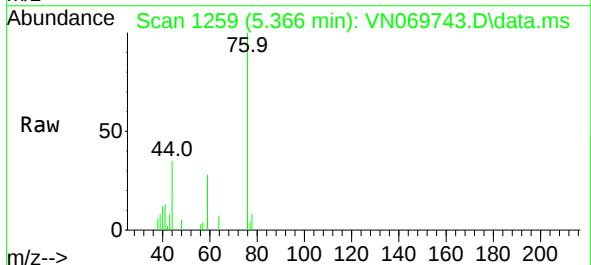
Instrument :
MSVOA_N
ClientSampleId :

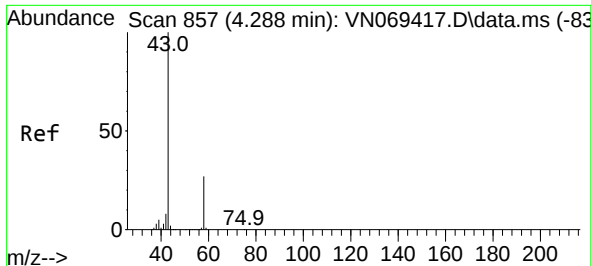
Tgt Ion: 64 Resp: 6457
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#11
Tert butyl alcohol
Concen: 0.734 ug/l
RT: 5.366 min Scan# 1259
Delta R.T. -0.024 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

Tgt Ion: 59 Resp: 3248
Ion Ratio Lower Upper
59 100
57 16.1 8.7 13.1#

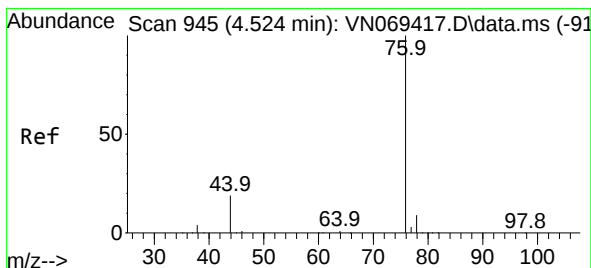
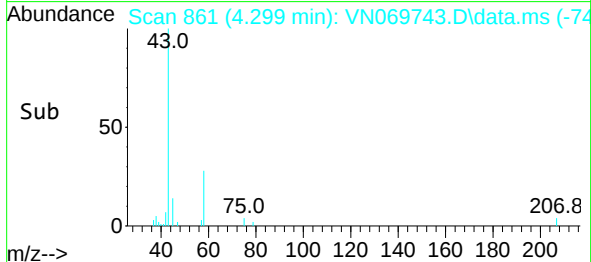
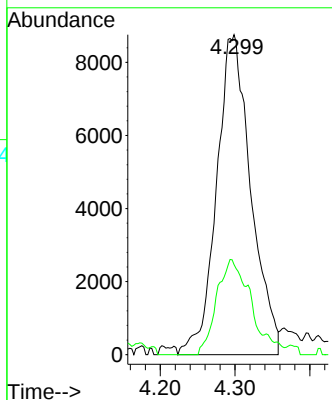
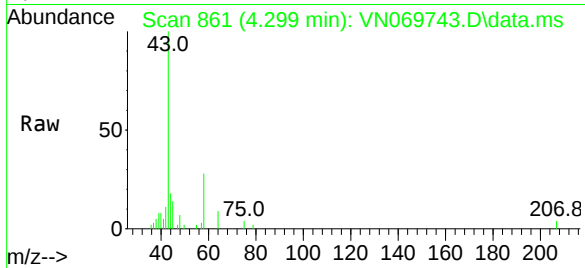




#16
Acetone
Concen: 1.986 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.008 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

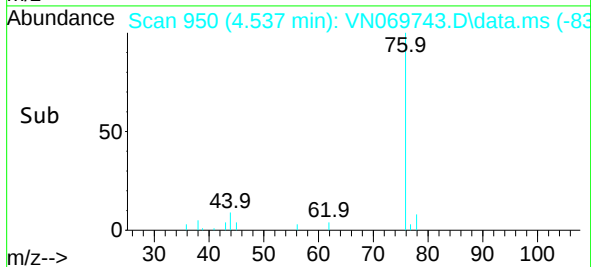
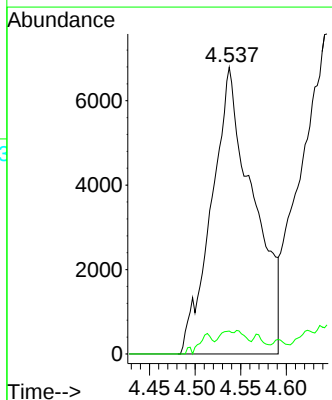
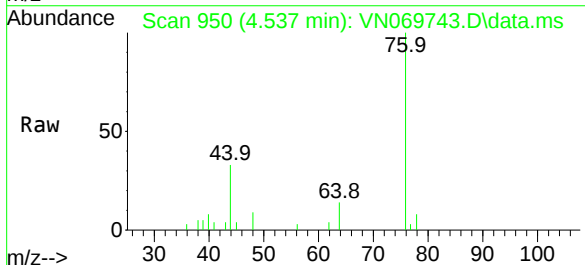
Instrument :
MSVOA_N
ClientSampleId :

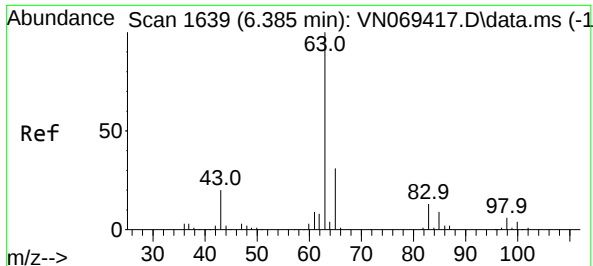
Tgt Ion: 43 Resp: 27966
Ion Ratio Lower Upper
43 100
58 28.1 23.1 34.7



#17
Carbon Disulfide
Concen: 0.577 ug/l
RT: 4.537 min Scan# 950
Delta R.T. 0.014 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

Tgt Ion: 76 Resp: 21517
Ion Ratio Lower Upper
76 100
78 8.0 7.5 11.3

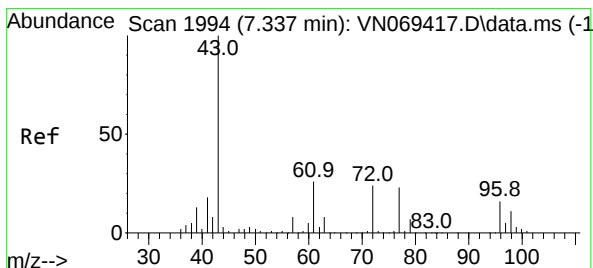
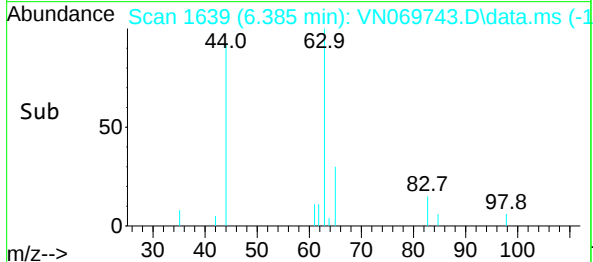
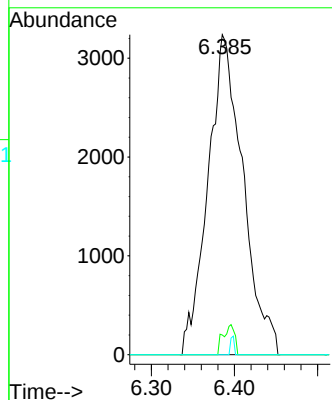
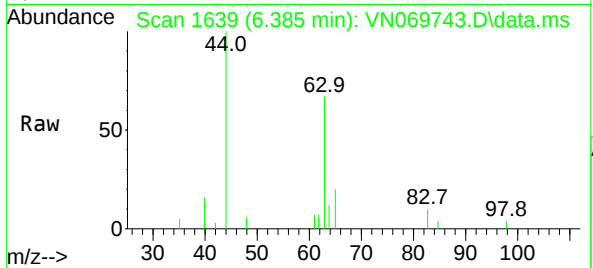




#24
1,1-Dichloroethane
Concen: 0.288 ug/l
RT: 6.385 min Scan# 1
Delta R.T. -0.003 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

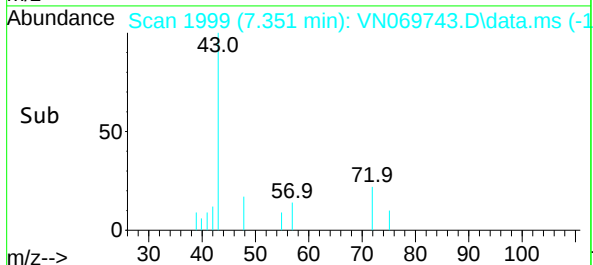
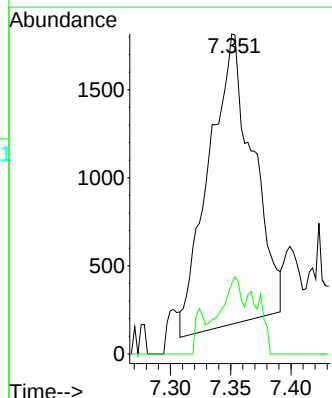
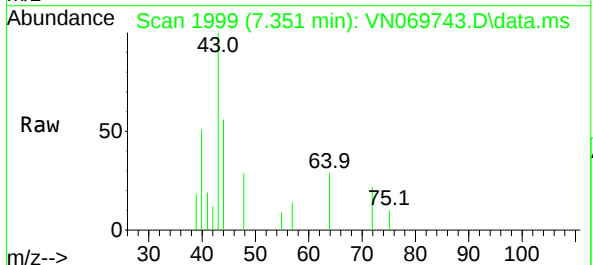
Instrument :
MSVOA_N
ClientSampleId :

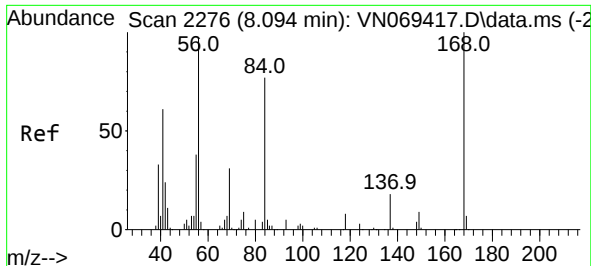
Tgt Ion: 63 Resp: 9474
Ion Ratio Lower Upper
63 100
98 6.1 3.3 9.9
100 0.0 2.1 6.5#



#25
2-Butanone
Concen: 0.219 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.013 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

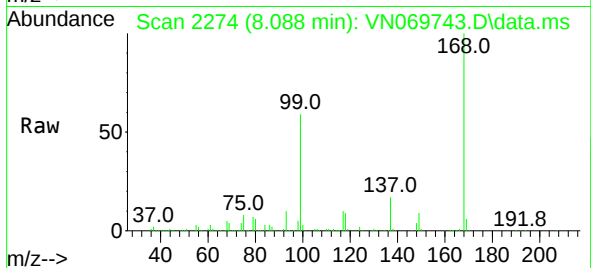
Tgt Ion: 43 Resp: 4186
Ion Ratio Lower Upper
43 100
72 25.3 21.7 32.5



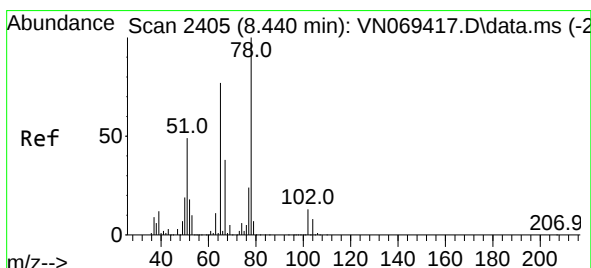
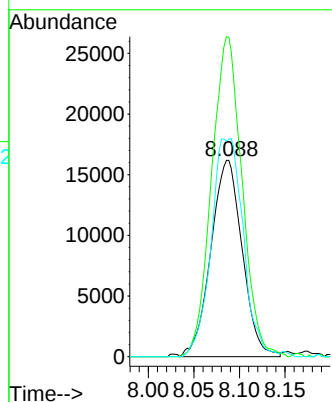
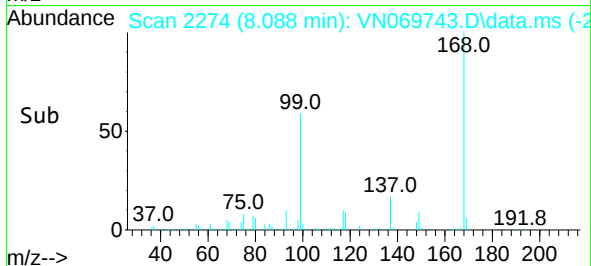


#31
Cyclohexane
Concen: 1.187 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

Instrument :
MSVOA_N
ClientSampleId :

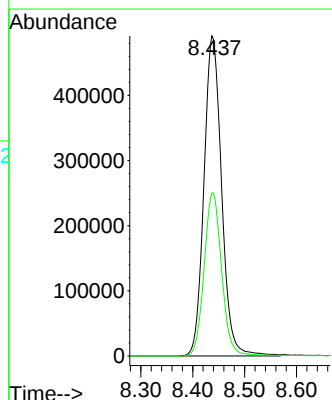
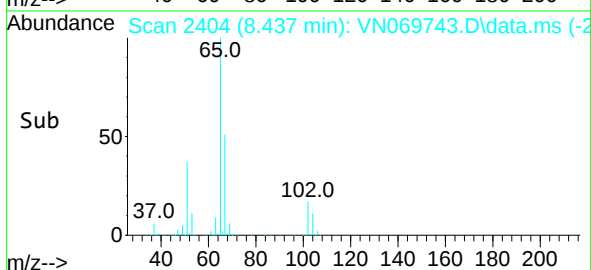
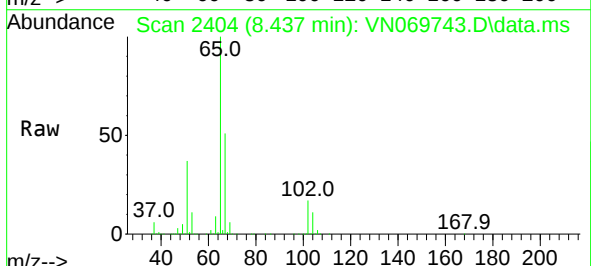


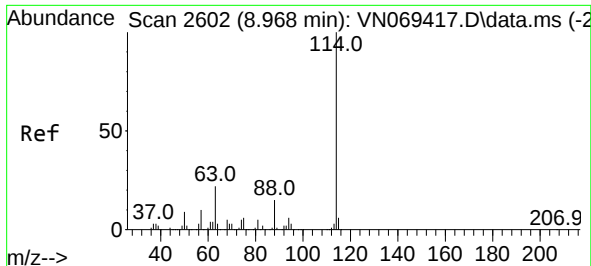
Tgt Ion: 56 Resp: 38652
Ion Ratio Lower Upper
56 100
69 162.7 27.1 40.7#
84 110.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 49.636 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

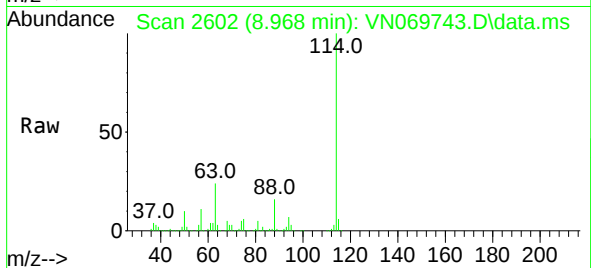
Tgt Ion: 65 Resp: 1161811
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0





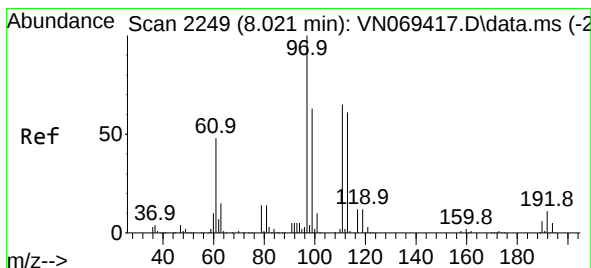
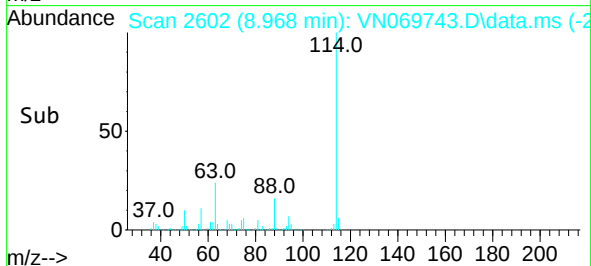
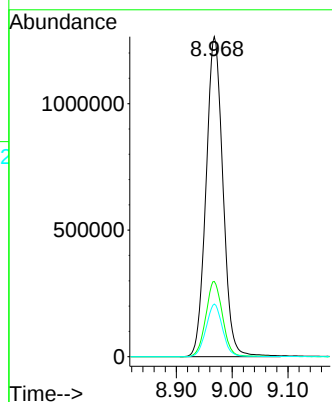
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:114 Resp: 2664542

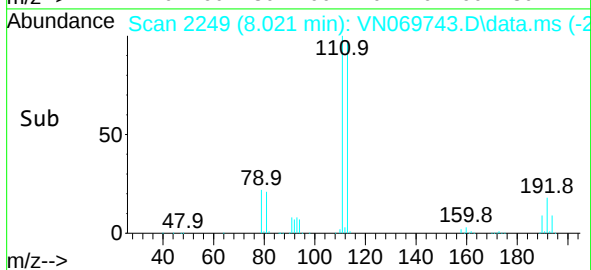
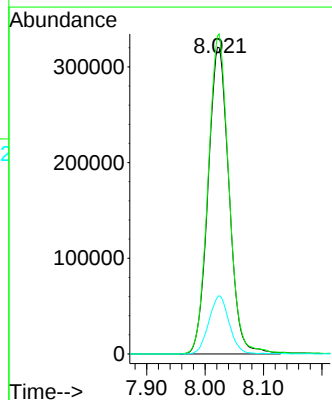
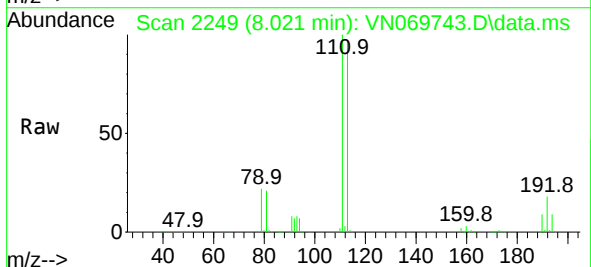
Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	37.8
88	16.4	0.0	27.4

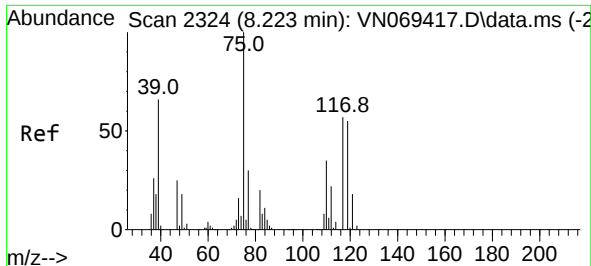


#35
Dibromofluoromethane
Concen: 47.928 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

Tgt Ion:113 Resp: 799927

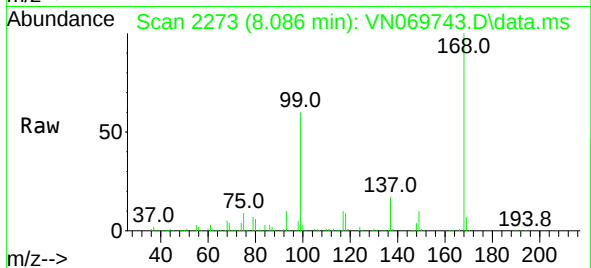
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.2
192	18.4	16.9	25.3



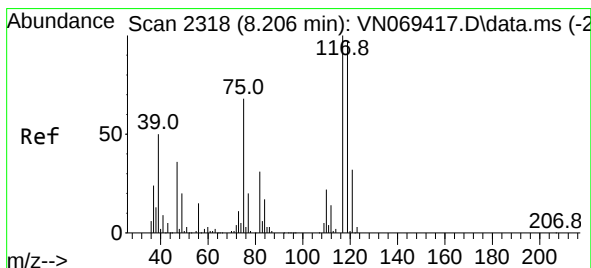
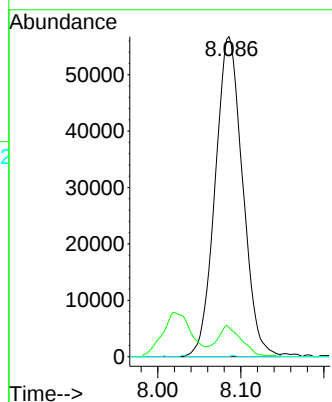
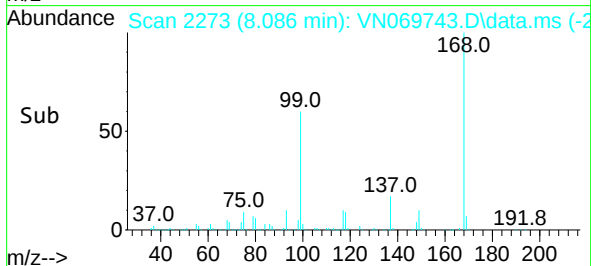


#36
1,1-Dichloropropene
Concen: 5.133 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

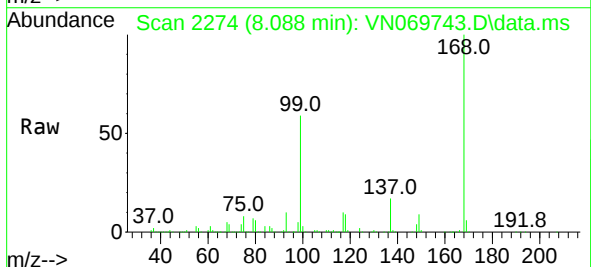
Instrument :
MSVOA_N
ClientSampleId :



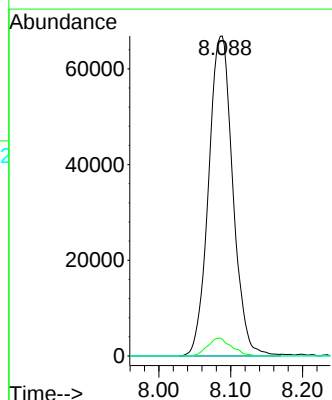
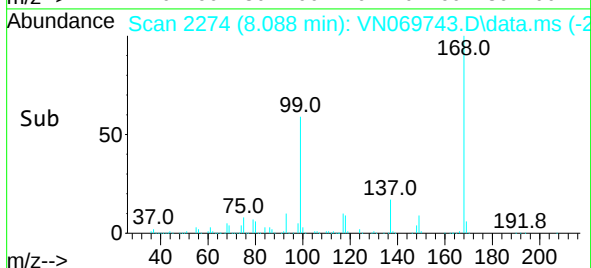
Tgt Ion: 75 Resp: 130210
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.1 24.4 36.6#

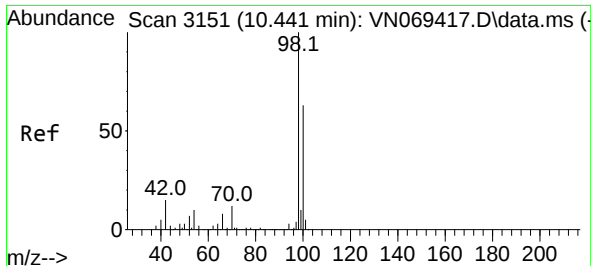


#38
Carbon Tetrachloride
Concen: 6.298 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41



Tgt Ion: 117 Resp: 156649
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#

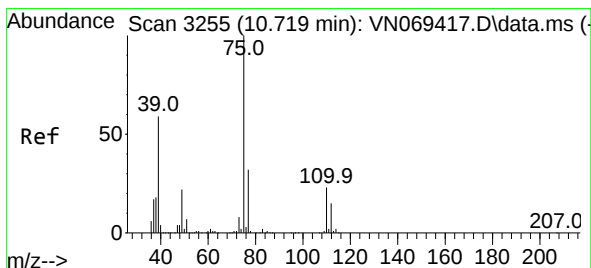
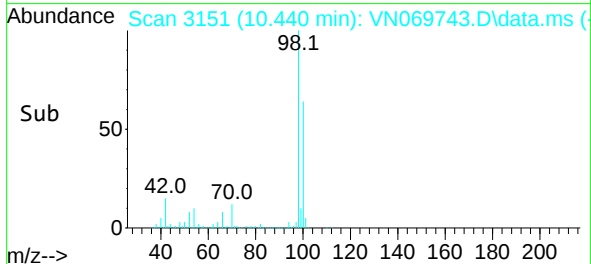
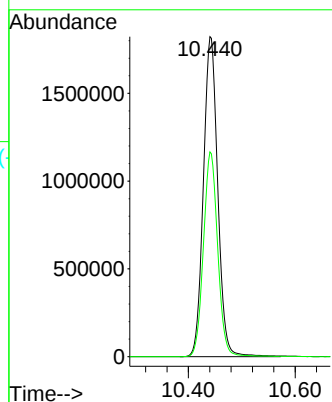
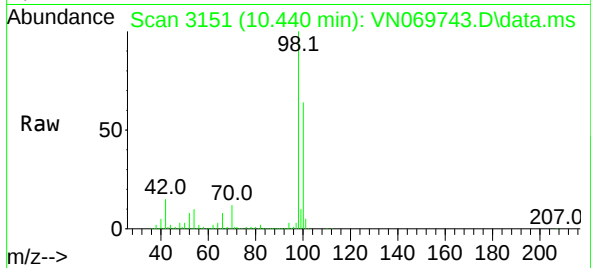




#50
Toluene-d8
Concen: 50.704 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

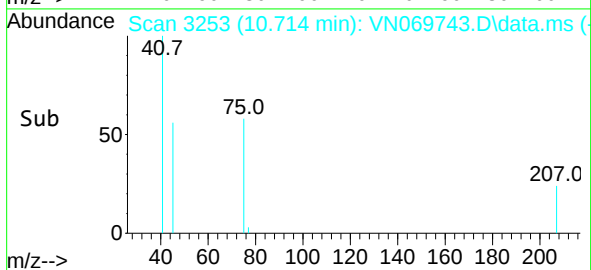
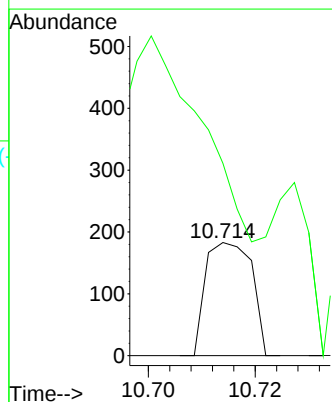
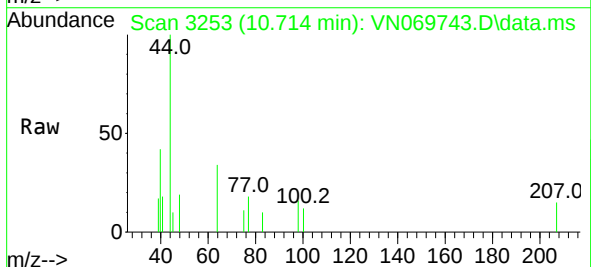
Instrument :
MSVOA_N
ClientSampleId :

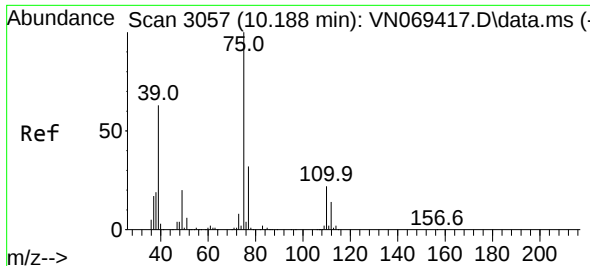
Tgt Ion: 98 Resp: 3398013
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.797 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.005 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

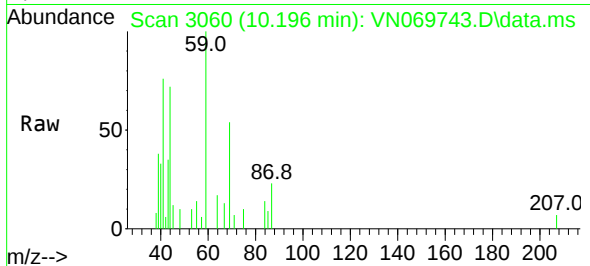
Tgt Ion: 75 Resp: 109
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4



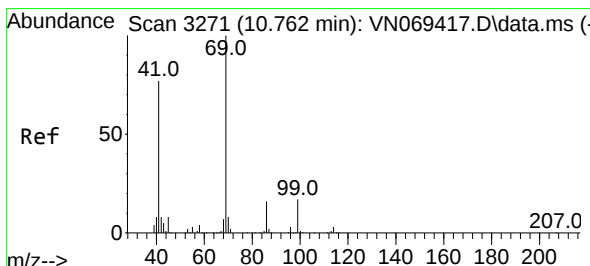
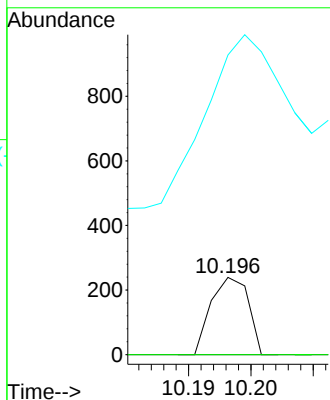
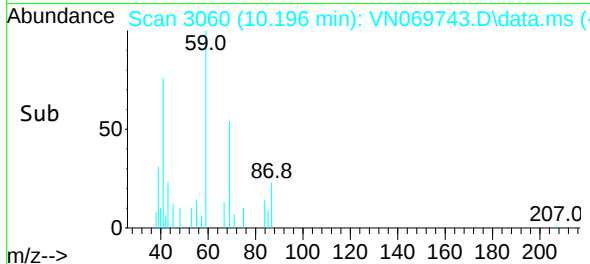


#54
 cis-1,3-Dichloropropene
 Concen: 2.002 ug/l
 RT: 10.196 min Scan# 3057
 Delta R.T. 0.005 min
 Lab File: VN069743.D
 Acq: 4 Dec 2021 2:41

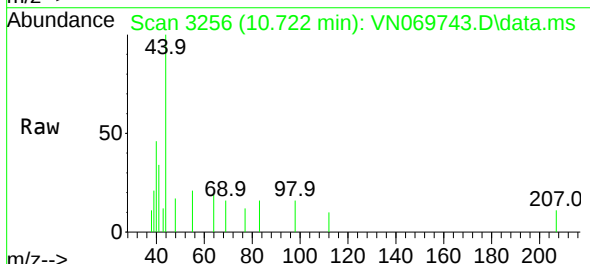
Instrument :
 MSVOA_N
 ClientSampleId :



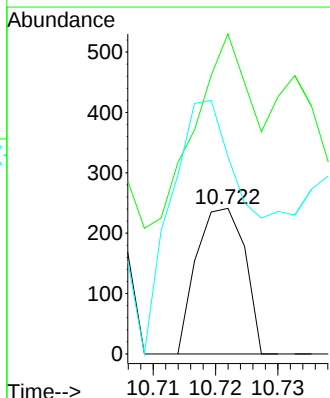
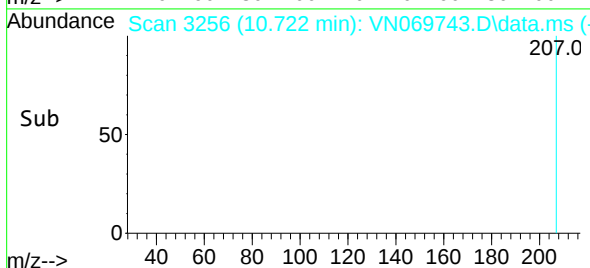
Tgt Ion: 75 Resp: 100
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 149.8 42.5 63.7#

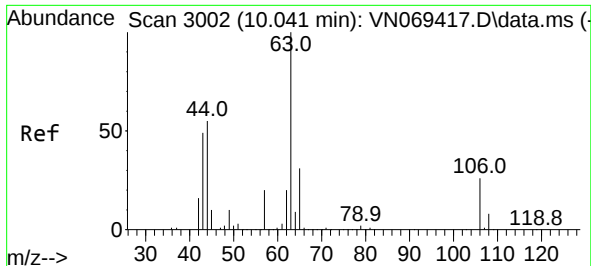


#56
 Ethyl methacrylate
 Concen: 2.283 ug/l
 RT: 10.722 min Scan# 3256
 Delta R.T. -0.040 min
 Lab File: VN069743.D
 Acq: 4 Dec 2021 2:41



Tgt Ion: 69 Resp: 130
 Ion Ratio Lower Upper
 69 100
 41 156.2 51.4 77.0#
 39 264.6 34.6 52.0#

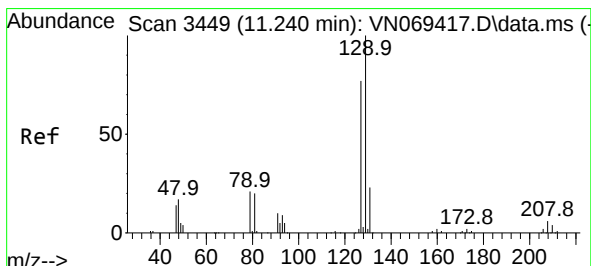
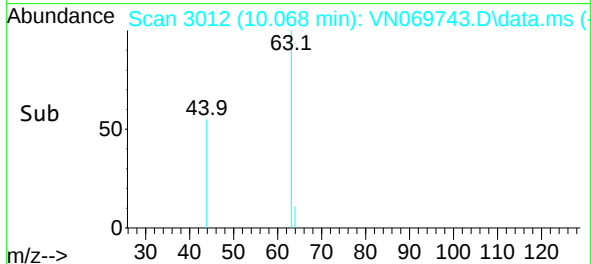
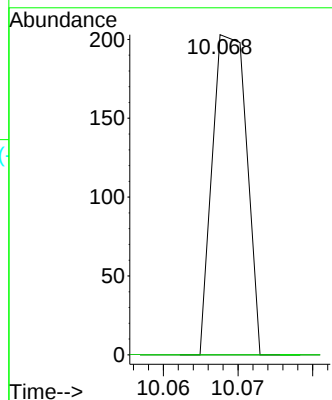
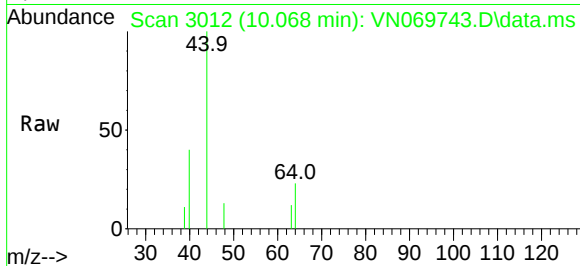




#58
2-Chloroethyl Vinyl ether
Concen: 18.395 ug/l
RT: 10.068 min Scan# 3002
Delta R.T. 0.025 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

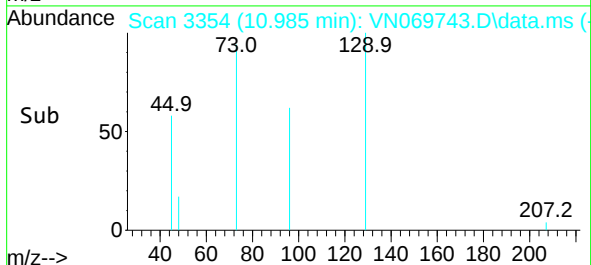
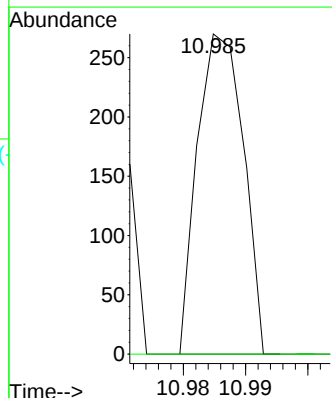
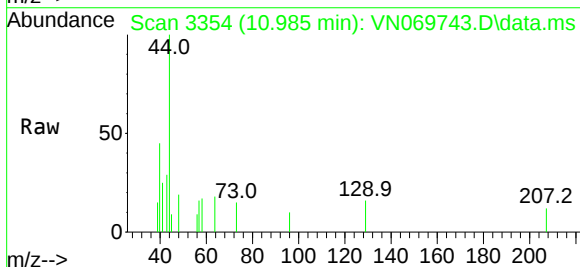
Instrument :
MSVOA_N
ClientSampleId :

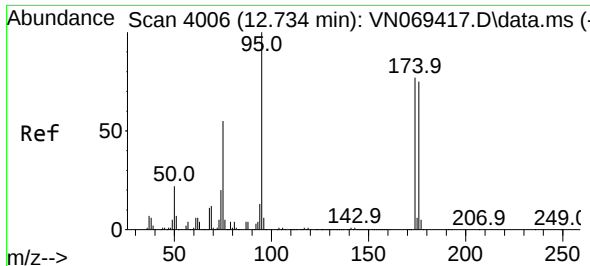
Tgt Ion: 63 Resp: 65
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.383 ug/l
RT: 10.985 min Scan# 3354
Delta R.T. -0.255 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

Tgt Ion: 129 Resp: 139
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

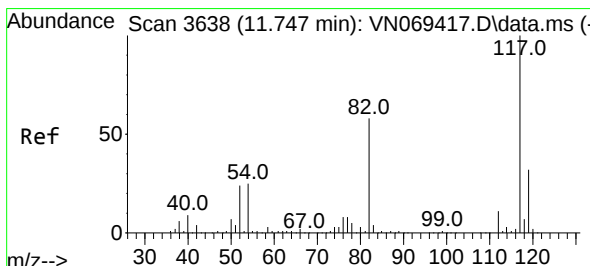
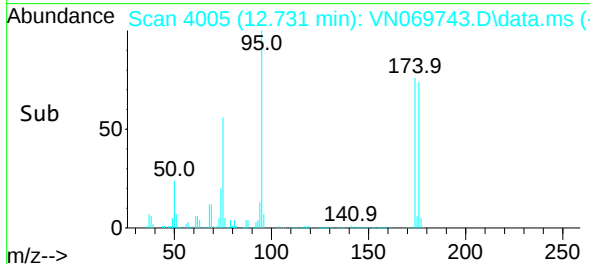
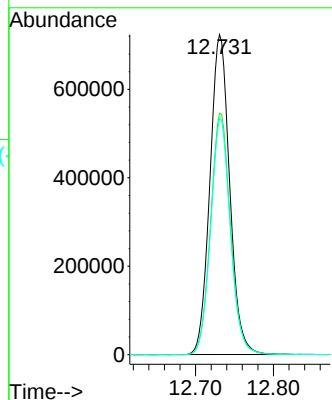
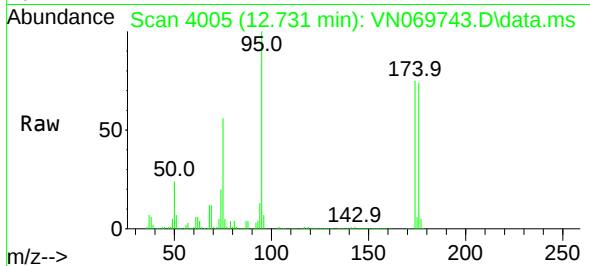




#62
4-Bromofluorobenzene
Concen: 52.467 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

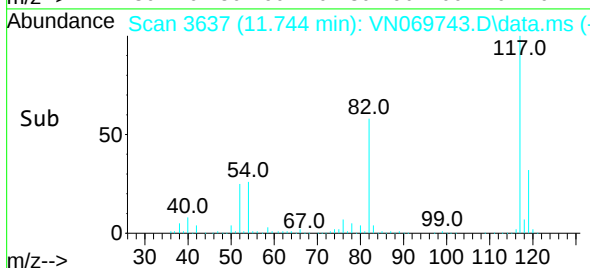
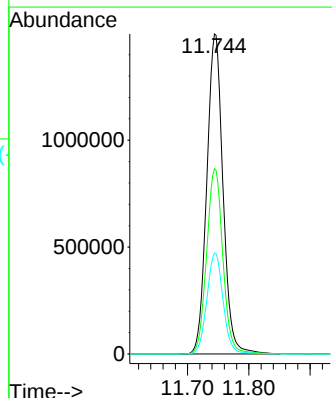
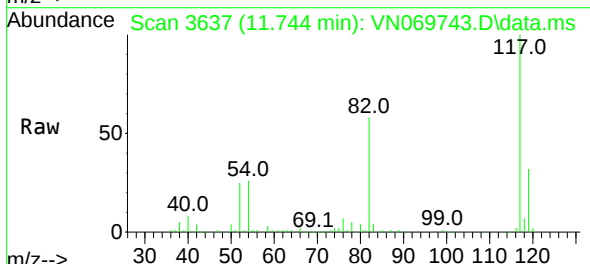
Instrument :
MSVOA_N
ClientSampleId :

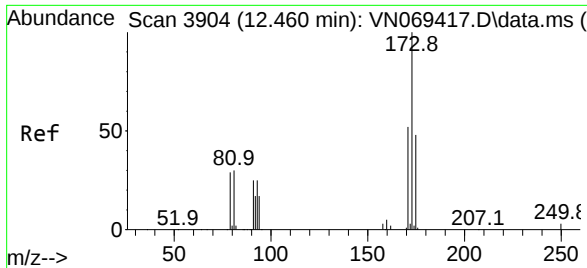
Tgt Ion: 95 Resp: 1273813
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

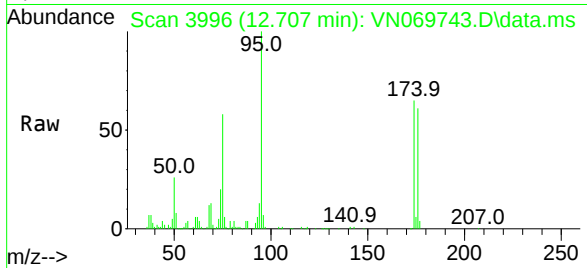
Tgt Ion: 117 Resp: 2744331
Ion Ratio Lower Upper
117 100
82 57.9 42.4 63.6
119 31.6 25.4 38.2



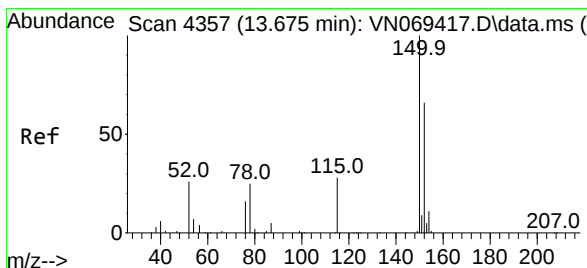
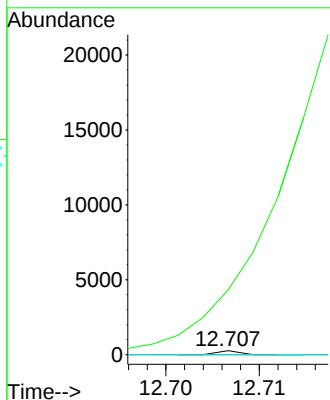
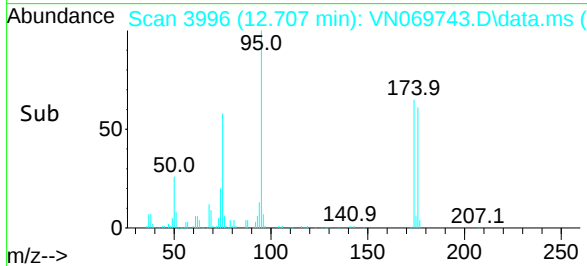


#71
Bromoform
Concen: 2.733 ug/l
RT: 12.707 min Scan# 3904
Delta R.T. 0.247 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

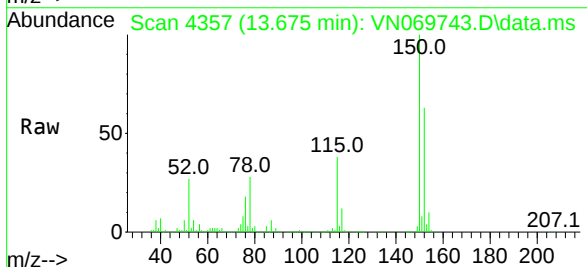
Instrument :
MSVOA_N
ClientSampleId :



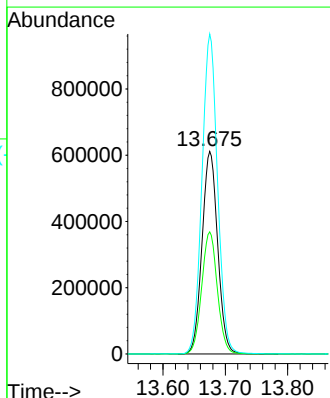
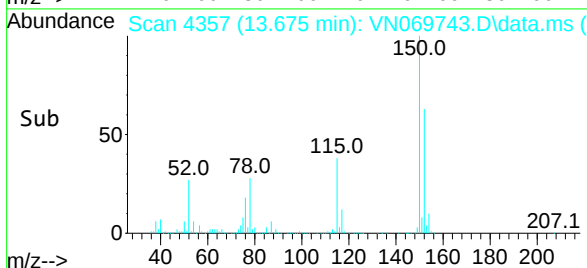
Tgt Ion:173 Resp: 43
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0

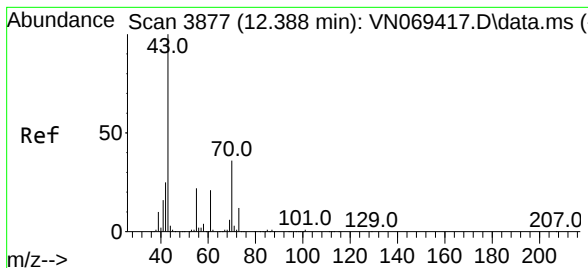


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41



Tgt Ion:152 Resp: 1064223
Ion Ratio Lower Upper
152 100
115 60.2 27.5 82.5
150 157.5 0.0 344.4





#74

N-amy1 acetate

Concen: 0.510 ug/l

RT: 12.428 min Scan# 3

Delta R.T. 0.040 min

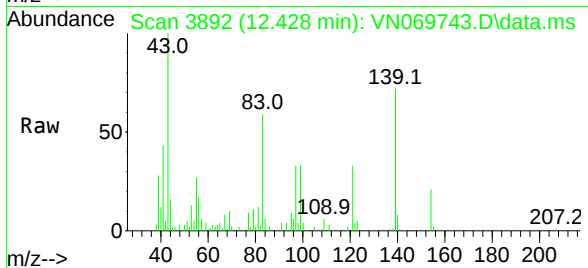
Lab File: VN069743.D

Acq: 4 Dec 2021 2:41

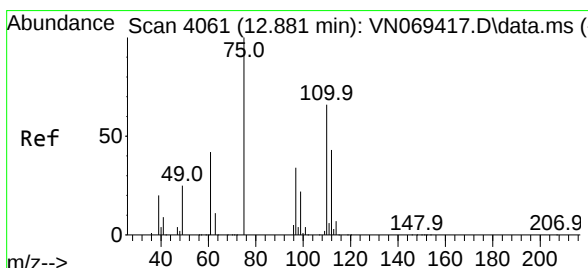
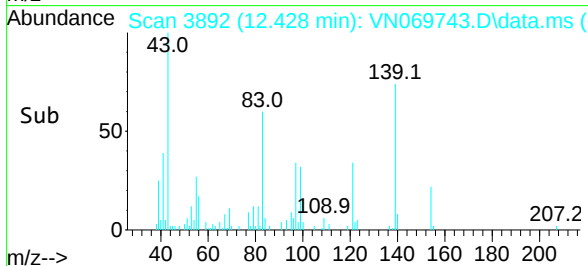
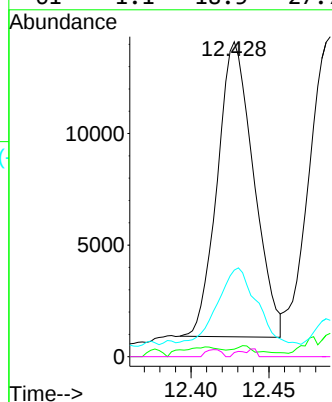
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 21364
Ion Ratio	Lower Upper
43	100
70	2.8 33.4 50.0#
55	27.6 19.3 28.9
61	1.1 18.5 27.7#



#76

1,2,3-Trichloropropane

Concen: 23.646 ug/l

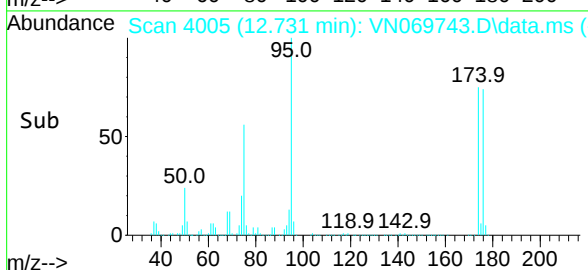
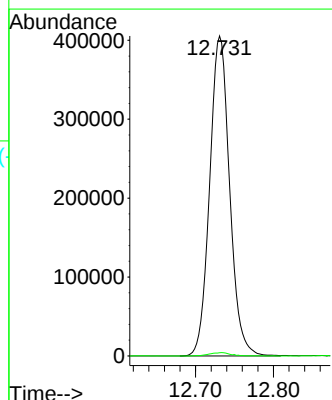
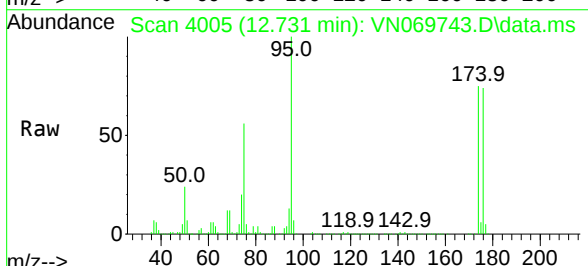
RT: 12.731 min Scan# 4005

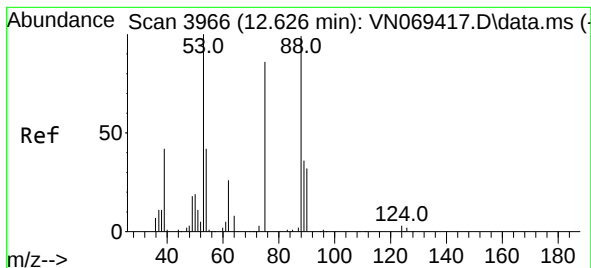
Delta R.T. -0.150 min

Lab File: VN069743.D

Acq: 4 Dec 2021 2:41

Tgt Ion: 75	Resp: 721669
Ion Ratio	Lower Upper
75	100
77	1.1 82.6 247.8#

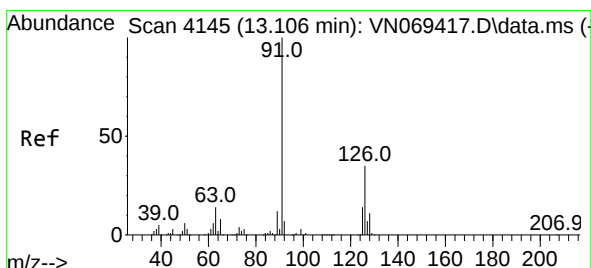
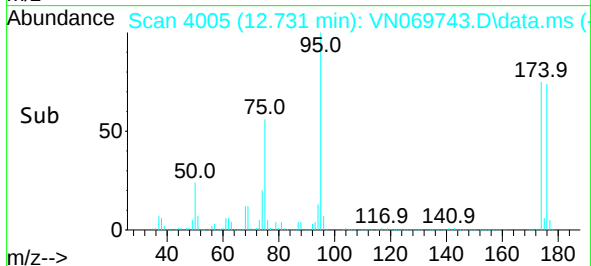
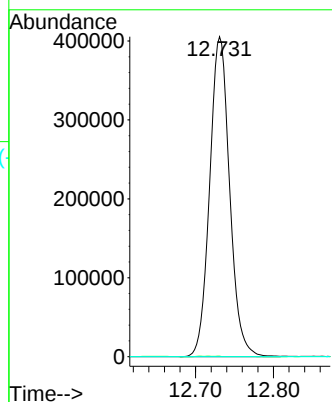
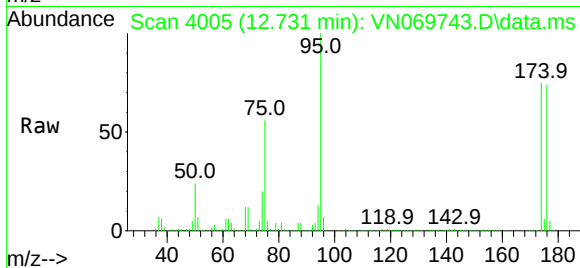




#81
trans-1,4-Dichloro-2-butene
Concen: 75.166 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

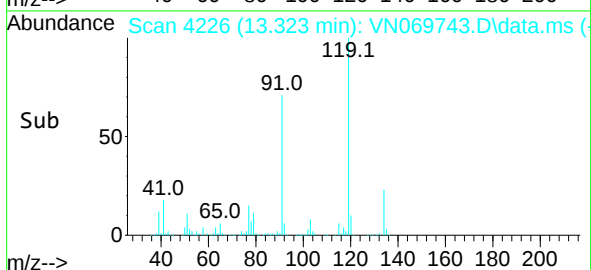
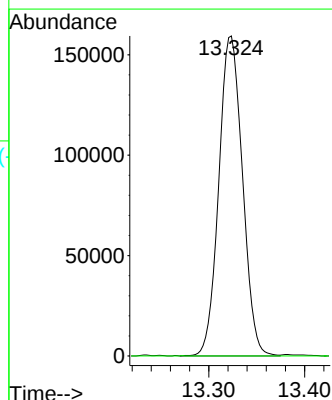
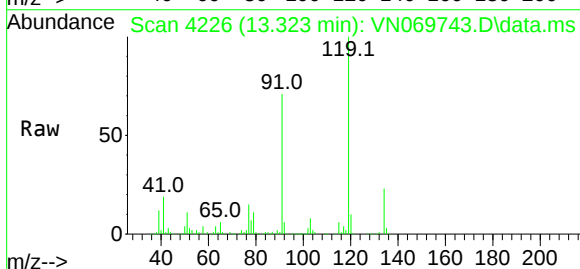
Instrument :
MSVOA_N
ClientSampleId :

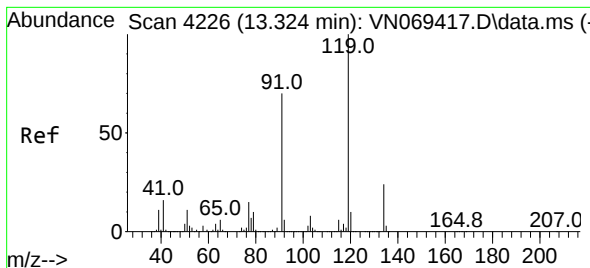
Tgt Ion: 75 Resp: 721669
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#82
4-Chlorotoluene
Concen: 4.362 ug/l
RT: 13.323 min Scan# 4226
Delta R.T. 0.217 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

Tgt Ion: 91 Resp: 273134
Ion Ratio Lower Upper
91 100
126 0.0 18.2 54.6#





#83

tert-Butylbenzene

Concen: 5.722 ug/l

RT: 13.323 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN069743.D

Acq: 4 Dec 2021 2:41

Instrument :

MSVOA_N

ClientSampleId :

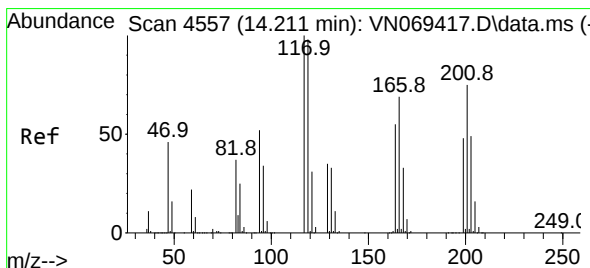
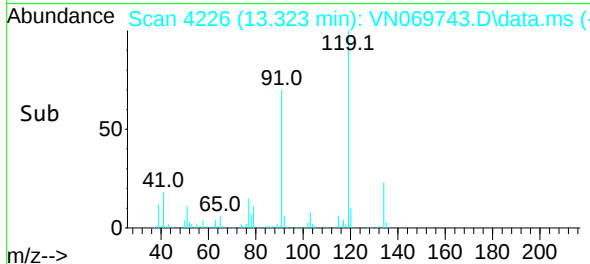
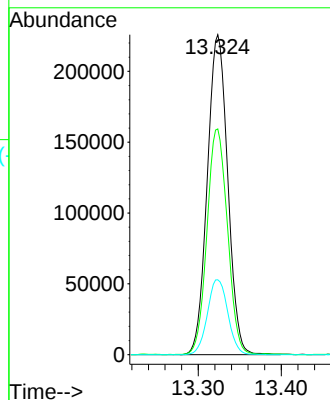
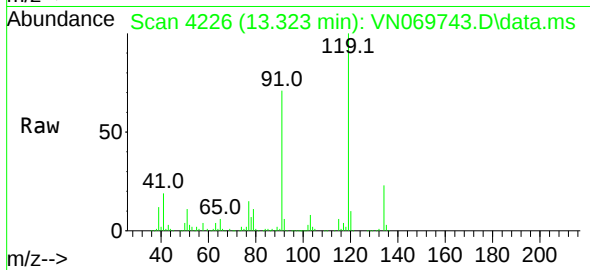
Tgt Ion:119 Resp: 386129

Ion Ratio Lower Upper

119 100

91 70.7 31.5 94.5

134 23.5 12.4 37.4



#90

Hexachloroethane

Concen: 0.855 ug/l

RT: 14.327 min Scan# 4600

Delta R.T. 0.115 min

Lab File: VN069743.D

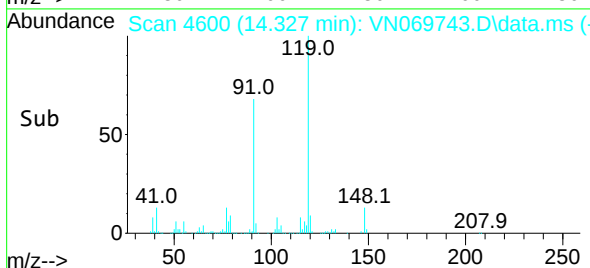
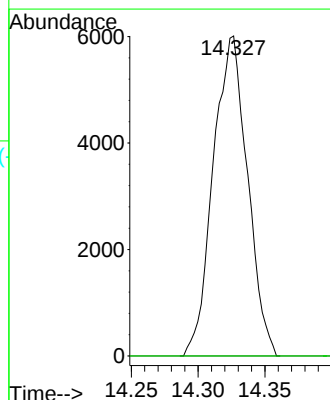
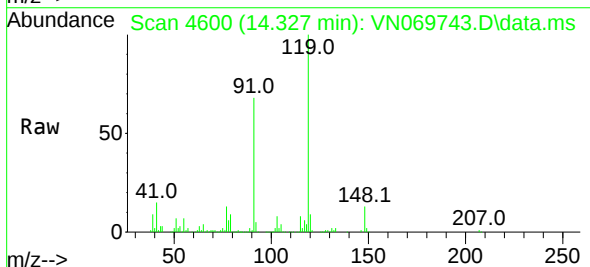
Acq: 4 Dec 2021 2:41

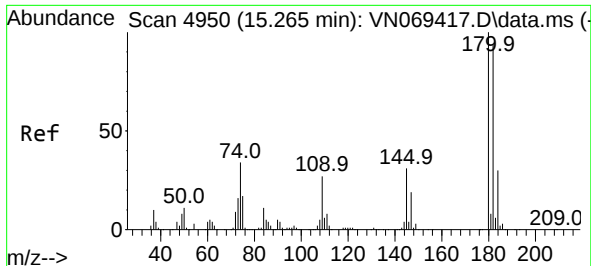
Tgt Ion:117 Resp: 10735

Ion Ratio Lower Upper

117 100

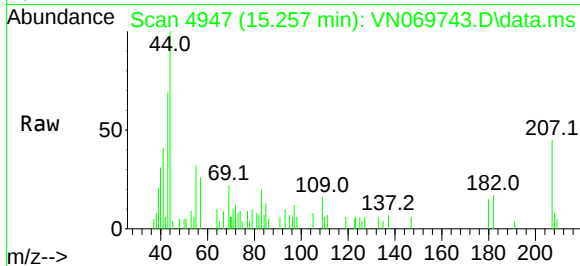
201 0.0 43.9 131.6#



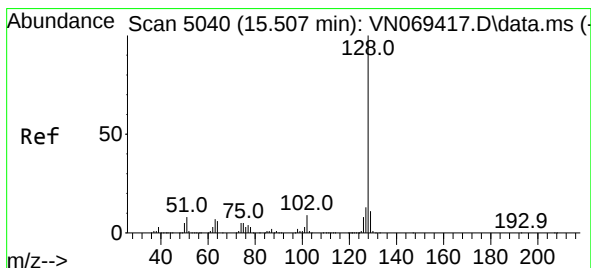
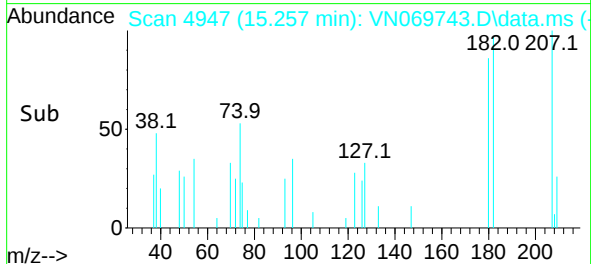
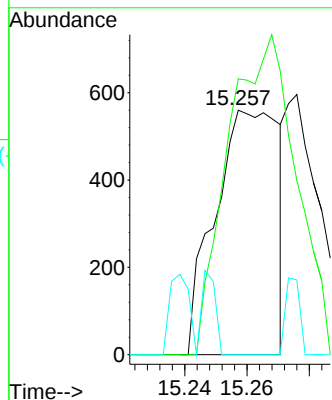


#93
1,2,4-Trichlorobenzene
Concen: 2.921 ug/l
RT: 15.257 min Scan# 49
Delta R.T. -0.008 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

Instrument :
MSVOA_N
ClientSampleId :

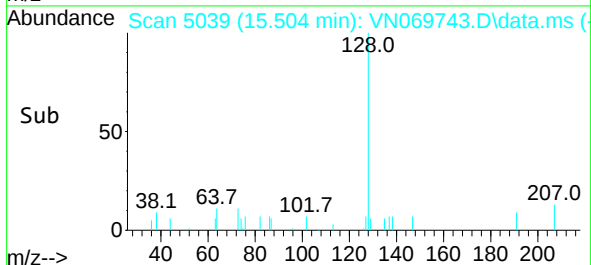
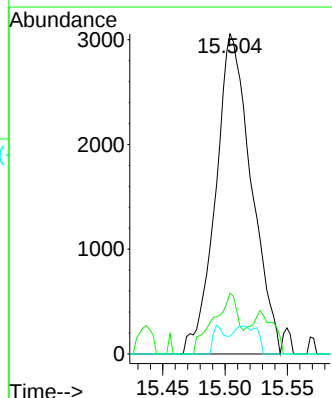
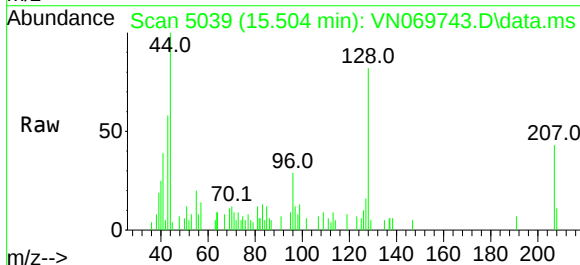


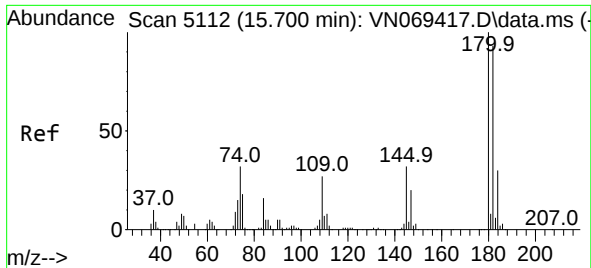
Tgt Ion:180 Resp: 790
Ion Ratio Lower Upper
180 100
182 140.5 48.3 144.9
145 7.1 14.5 43.5#



#95
Naphthalene
Concen: 4.093 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069743.D
Acq: 4 Dec 2021 2:41

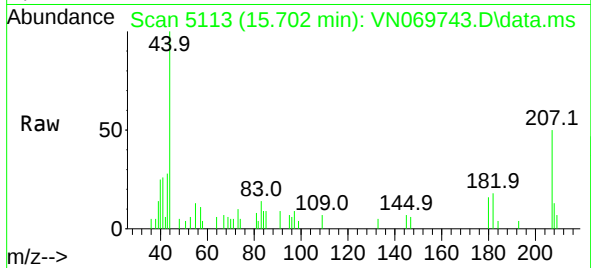
Tgt Ion:128 Resp: 6078
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 2.8 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.469 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN069743.D
 Acq: 4 Dec 2021 2:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 594
 Ion Ratio Lower Upper
 180 100
 182 203.0 47.4 142.2#
 145 64.5 15.0 45.1#

