

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120421\
 Data File : VN069759.D
 Acq On : 4 Dec 2021 12:11
 Operator : JC/MD
 Sample : VN1204MBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBL01

Quant Time: Dec 04 16:10:26 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)

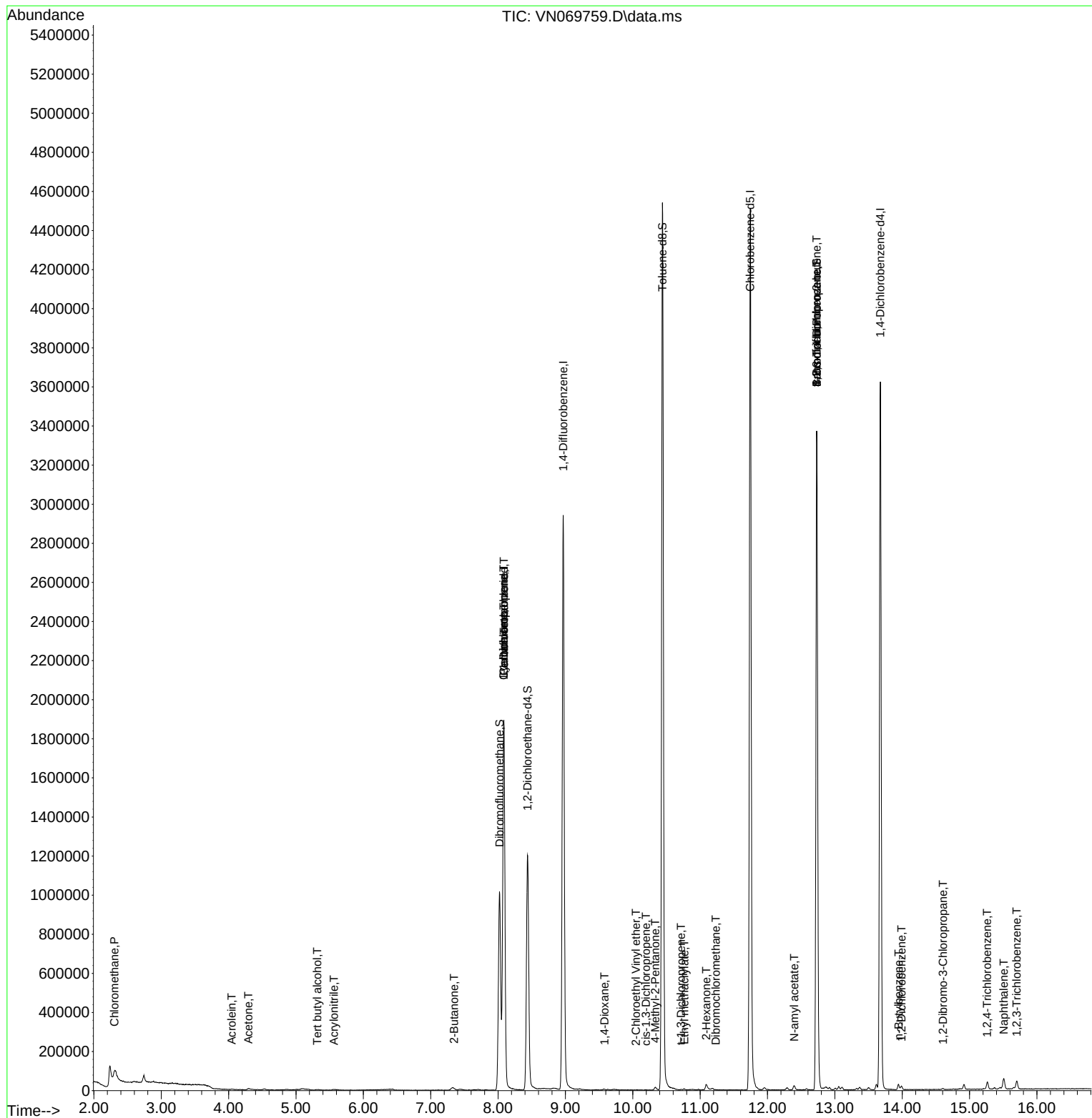
Internal Standards						
1) Pentafluorobenzene	8.086	168	1420388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2487568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2535599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	965312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1066382	48.625	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.240%		
35) Dibromofluoromethane	8.021	113	741302	47.575	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.160%		
50) Toluene-d8	10.440	98	3153565	50.404	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.800%		
62) 4-Bromofluorobenzene	12.731	95	1191980	52.589	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.180%		
Target Compounds					Qvalue	
3) Chloromethane	2.303	50	5811	0.280	ug/l	92
11) Tert butyl alcohol	5.315	59	1588	0.383	ug/l #	71
13) Acrolein	4.044	56	1668	0.472	ug/l	93
15) Acrylonitrile	5.565	53	2358	0.211	ug/l #	49
16) Acetone	4.293	43	9383	0.711	ug/l #	79
25) 2-Butanone	7.345	43	6686	0.373	ug/l	94
31) Cyclohexane	8.083	56	36795	1.206	ug/l #	22
36) 1,1-Dichloropropene	8.083	75	120334	5.081	ug/l #	50
38) Carbon Tetrachloride	8.086	117	145574	6.269	ug/l #	16
49) 1,4-Dioxane	9.580	88	793	1.816	ug/l #	22
51) 4-Methyl-2-Pentanone	10.336	43	12448	0.368	ug/l	98
53) t-1,3-Dichloropropene	10.714	75	1111	2.830	ug/l #	63
54) cis-1,3-Dichloropropene	10.196	75	262	2.007	ug/l #	50
56) Ethyl methacrylate	10.768	69	2233	2.343	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.049	63	105	18.400	ug/l #	45
59) 2-Hexanone	11.089	43	26367	1.030	ug/l	83
60) Dibromochloromethane	11.234	129	100	2.381	ug/l #	1
71) Bromoform	12.731	173	3973	2.973	ug/l #	1
74) N-amyl acetate	12.398	43	16773	0.442	ug/l #	91
76) 1,2,3-Trichloropropane	12.731	75	666282	24.068	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	666282	76.436	ug/l #	5
89) n-Butylbenzene	13.946	91	16039	0.305	ug/l	96
91) 1,2-Dichlorobenzene	13.989	146	7570	0.234	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.606	75	1507	0.281	ug/l	72
93) 1,2,4-Trichlorobenzene	15.263	180	12584	3.627	ug/l	95
95) Naphthalene	15.507	128	51777	4.995	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	14869	3.352	ug/l	99

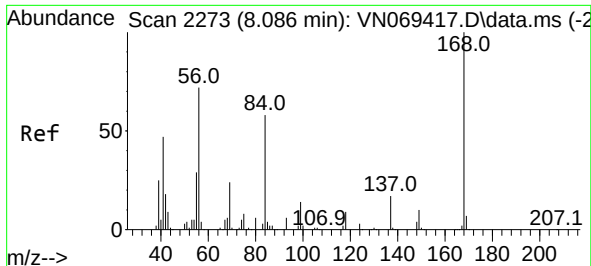
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120421\
Data File : VN069759.D
Acq On : 4 Dec 2021 12:11
Operator : JC/MD
Sample : VN1204MBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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Quant Time: Dec 04 16:10:26 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

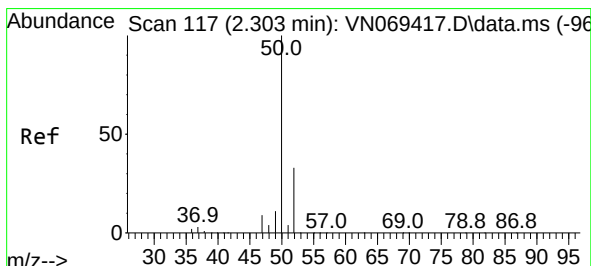
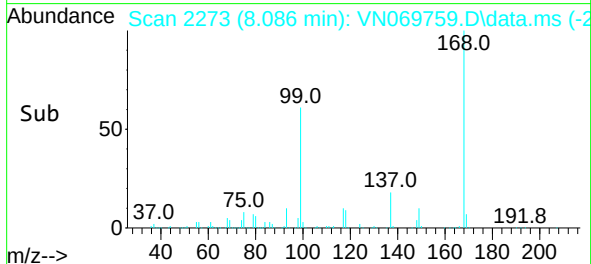
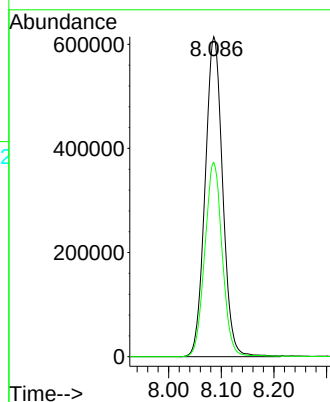
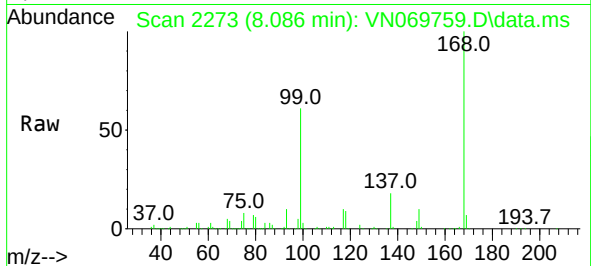




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

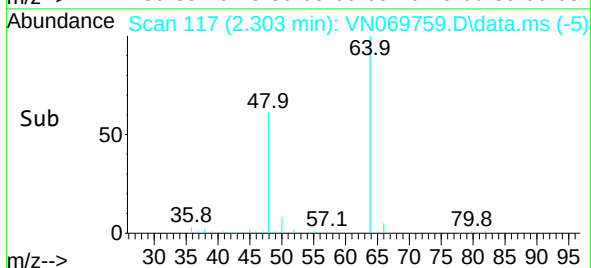
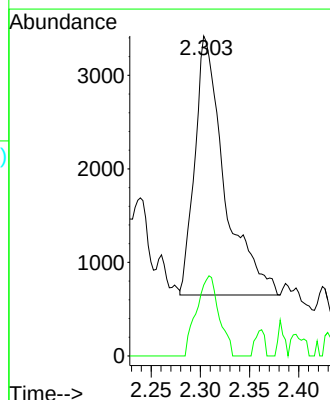
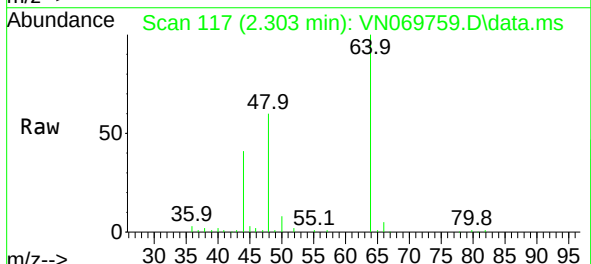
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBL01

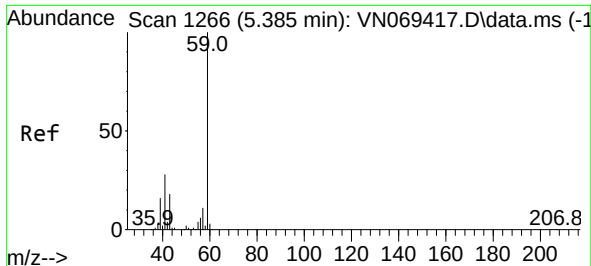
Tgt Ion:168 Resp: 1420388
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#3
Chloromethane
Concen: 0.280 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

Tgt Ion: 50 Resp: 5811
Ion Ratio Lower Upper
50 100
52 27.4 25.4 38.0

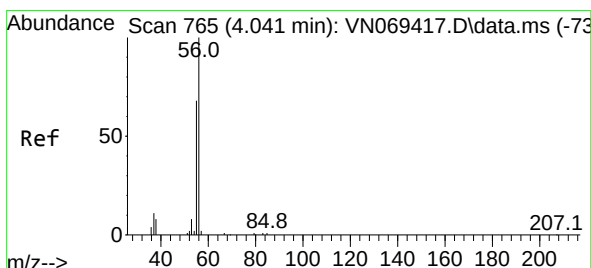
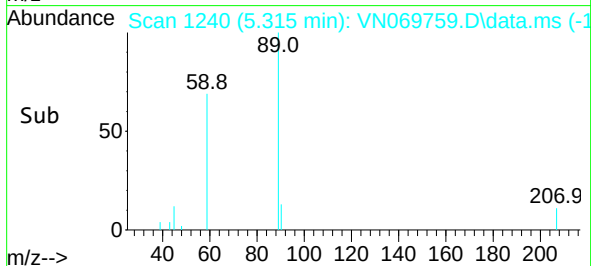
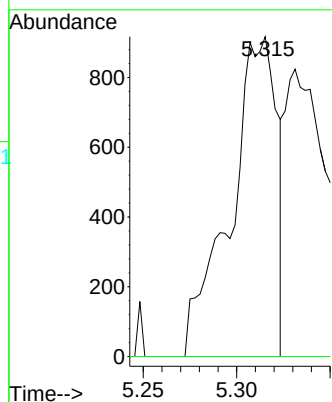
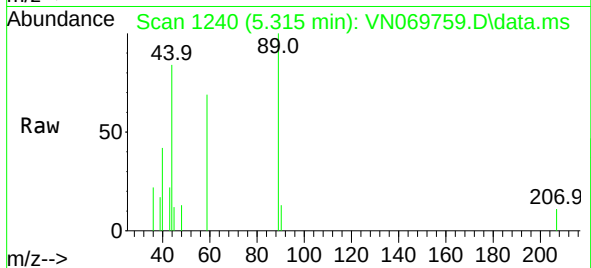




#11
Tert butyl alcohol
Concen: 0.383 ug/l
RT: 5.315 min Scan# 11
Delta R.T. -0.075 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

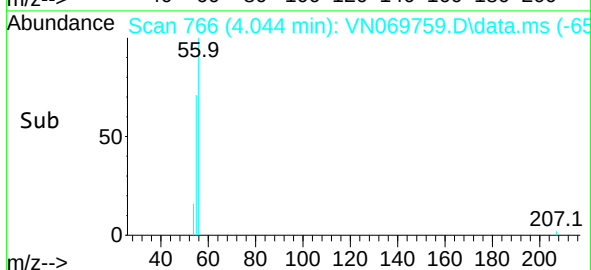
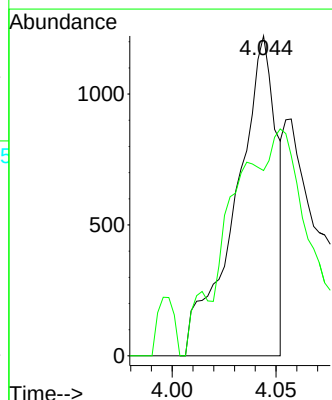
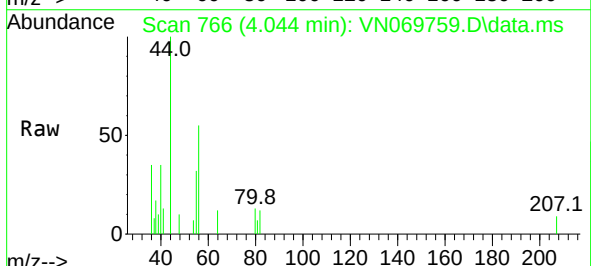
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBL01

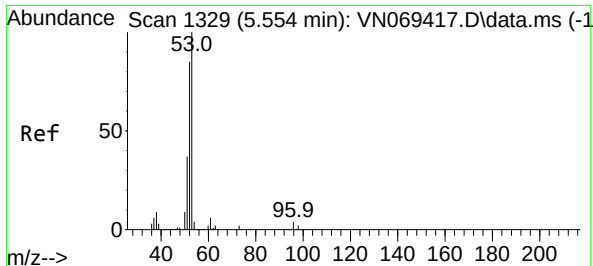
Tgt Ion: 59 Resp: 1588
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.472 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.006 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

Tgt Ion: 56 Resp: 1668
Ion Ratio Lower Upper
56 100
55 65.3 56.6 85.0

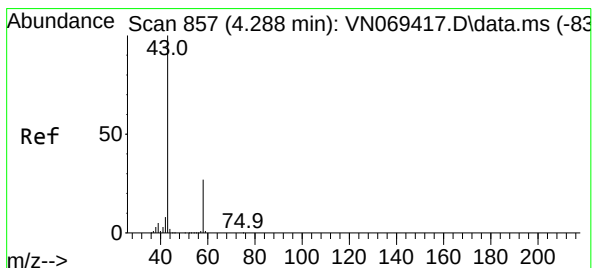
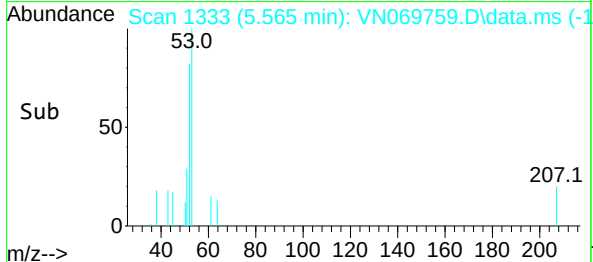
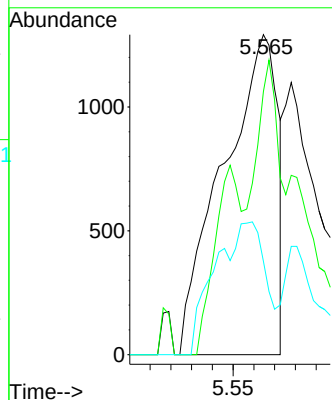
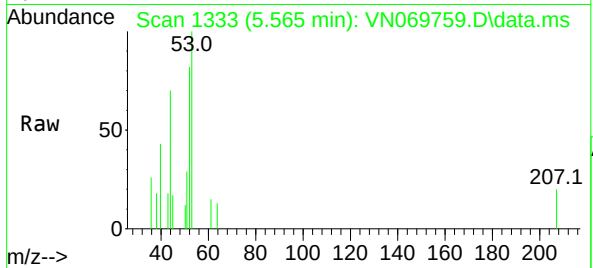




#15
Acrylonitrile
Concen: 0.211 ug/l
RT: 5.565 min Scan# 11
Delta R.T. 0.008 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

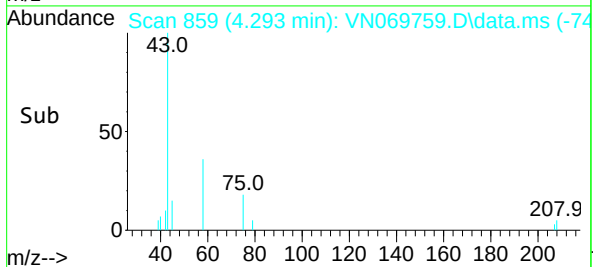
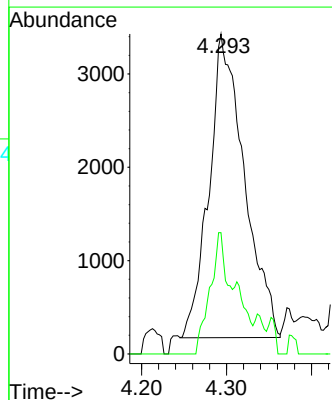
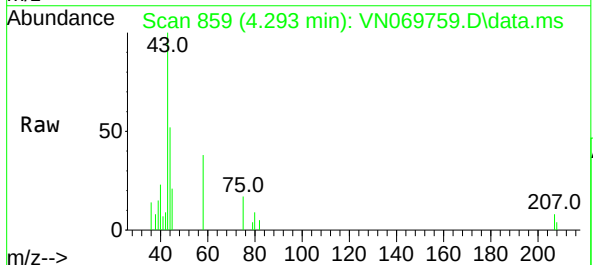
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBL01

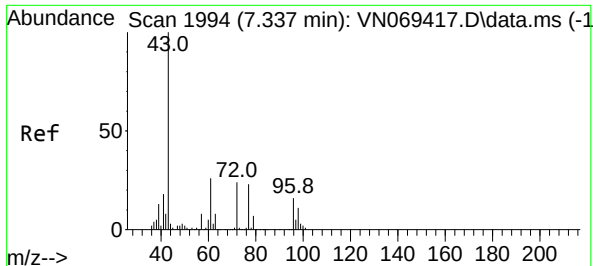
Tgt Ion: 53 Resp: 2358
Ion Ratio Lower Upper
53 100
52 17.2 66.2 99.2#
51 38.4 29.6 44.4



#16
Acetone
Concen: 0.711 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

Tgt Ion: 43 Resp: 9383
Ion Ratio Lower Upper
43 100
58 40.0 23.1 34.7#





#25

2-Butanone

Concen: 0.373 ug/l

RT: 7.345 min Scan# 1994

Delta R.T. 0.008 min

Lab File: VN069759.D

Acq: 4 Dec 2021 12:11

Instrument :

MSVOA_N

ClientSampleId :

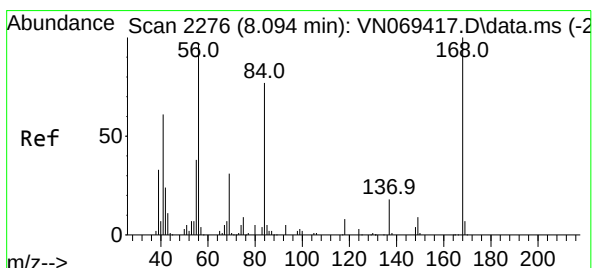
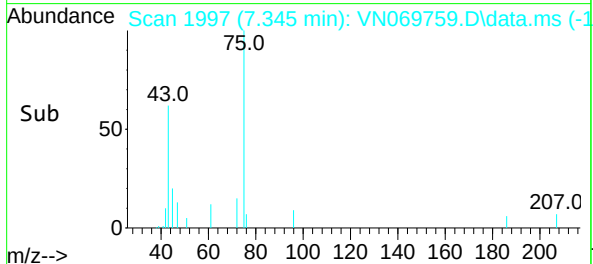
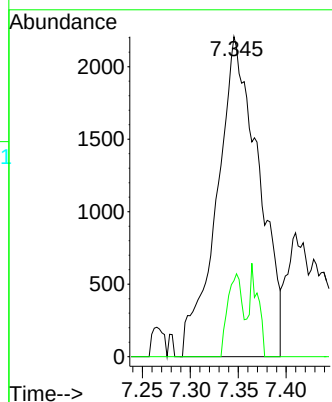
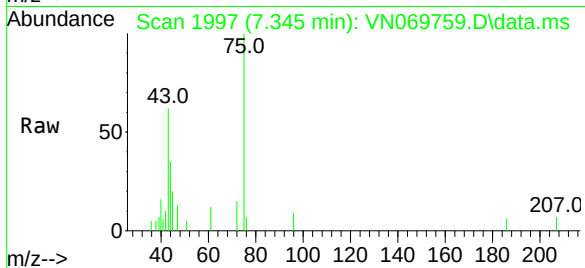
VN1204MBL01

Tgt Ion: 43 Resp: 6686

Ion Ratio Lower Upper

43 100

72 23.7 21.7 32.5



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN069759.D

Acq: 4 Dec 2021 12:11

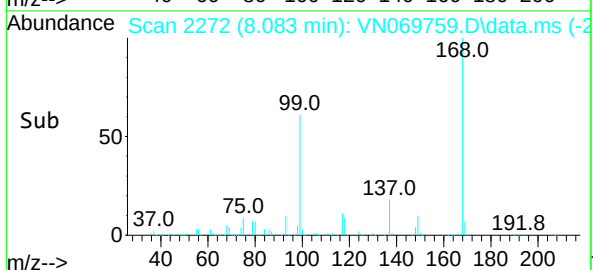
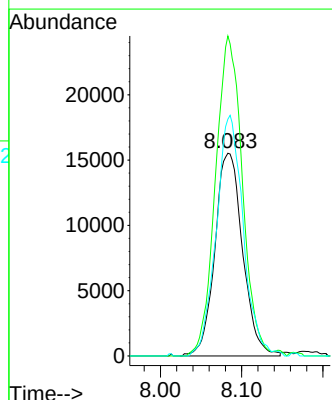
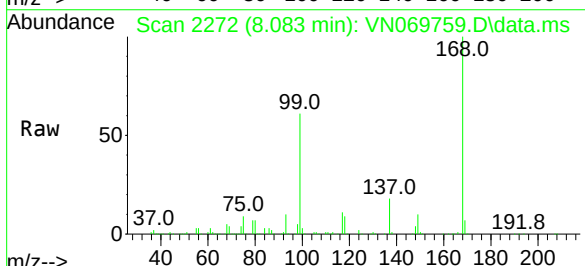
Tgt Ion: 56 Resp: 36795

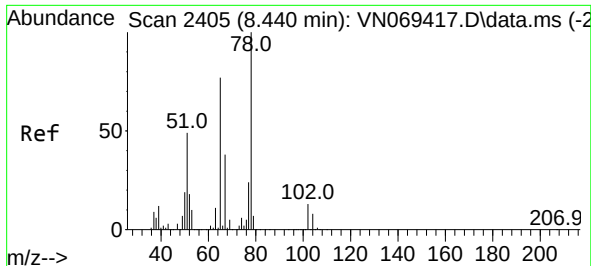
Ion Ratio Lower Upper

56 100

69 157.8 27.1 40.7#

84 116.8 73.4 110.0#

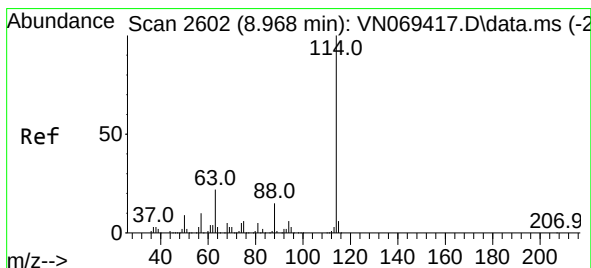
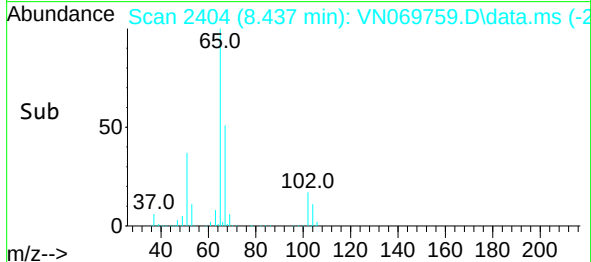
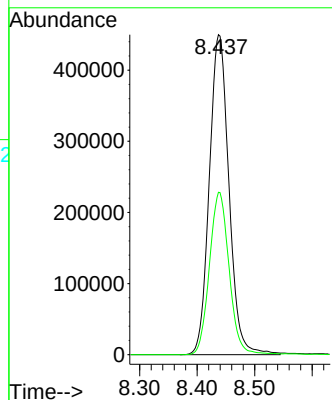
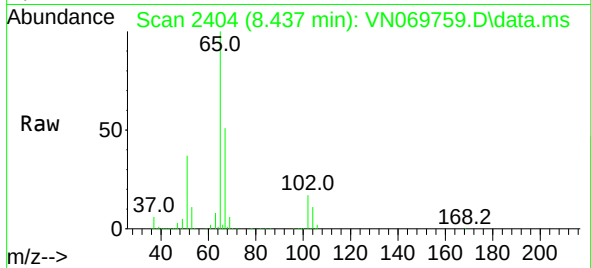




#33
 1,2-Dichloroethane-d4
 Concen: 48.625 ug/l
 RT: 8.437 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN069759.D
 Acq: 4 Dec 2021 12:11

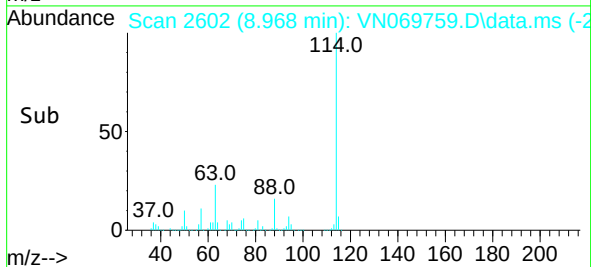
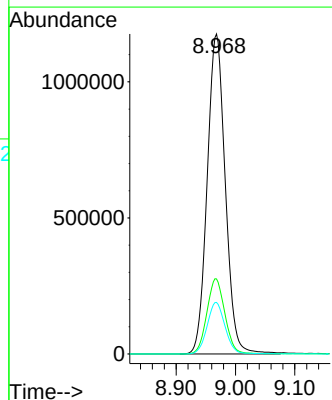
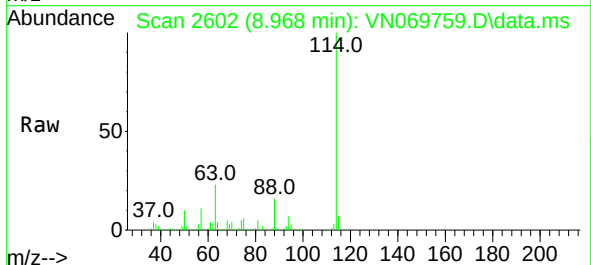
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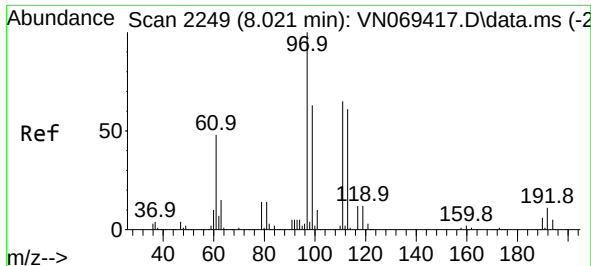
Tgt Ion: 65 Resp: 1066382
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN069759.D
 Acq: 4 Dec 2021 12:11

Tgt Ion: 114 Resp: 2487568
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 37.8
 88 16.1 0.0 27.4

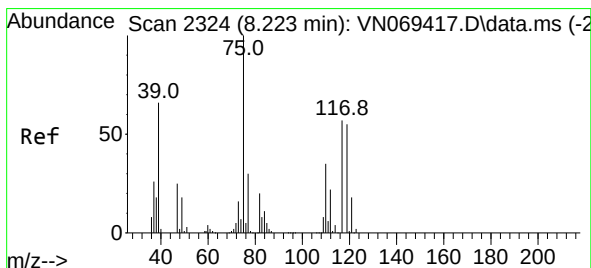
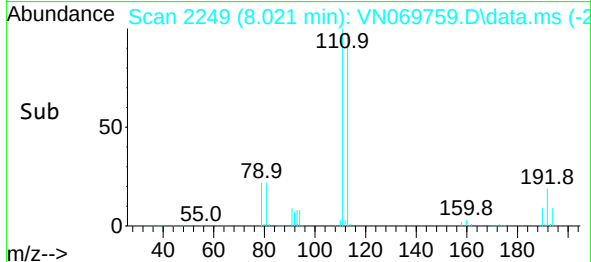
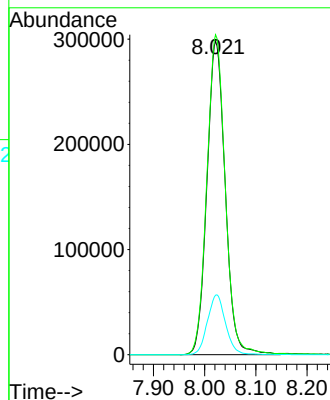
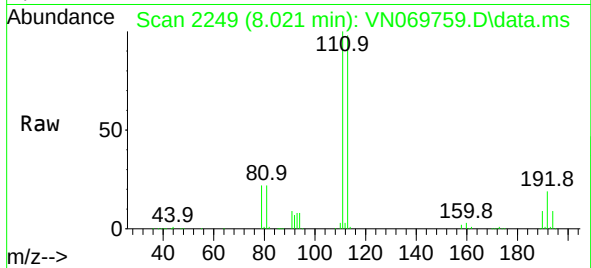




#35
Dibromofluoromethane
Concen: 47.575 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

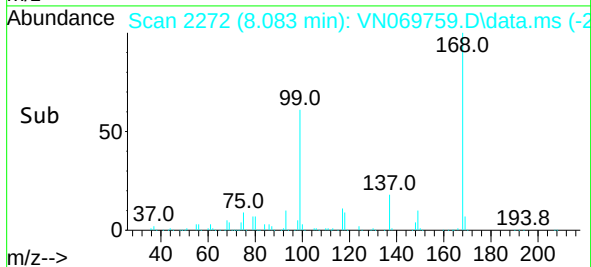
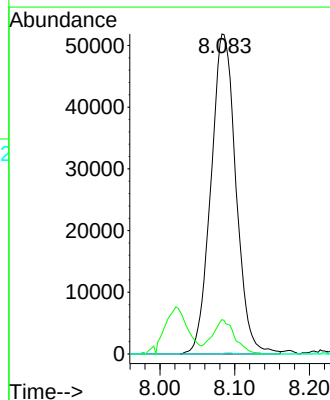
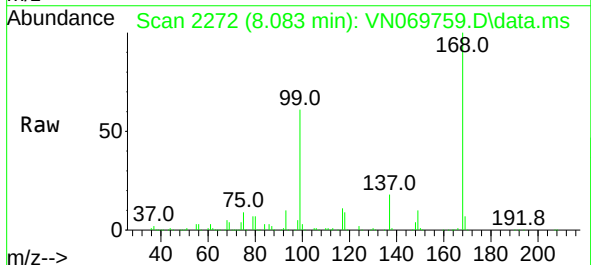
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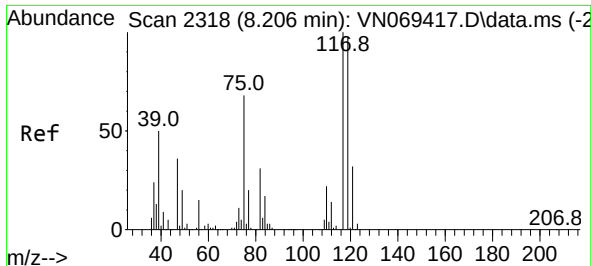
Tgt Ion:113 Resp: 741302
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.081 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

Tgt Ion: 75 Resp: 120334
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.2#
77 0.1 24.4 36.6#

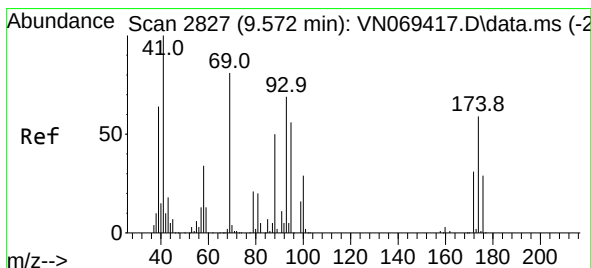
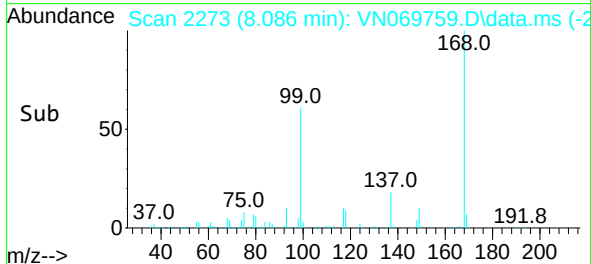
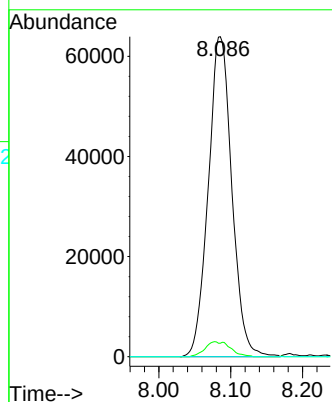
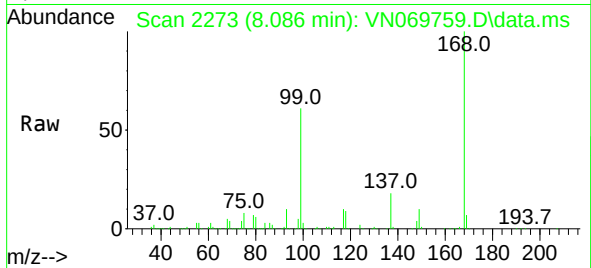




#38
Carbon Tetrachloride
Concen: 6.269 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

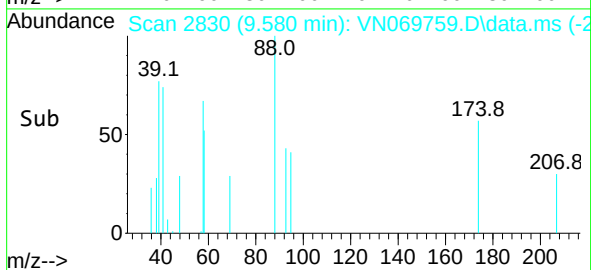
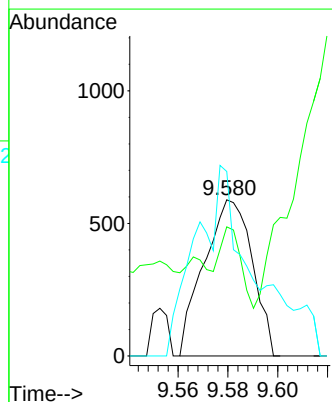
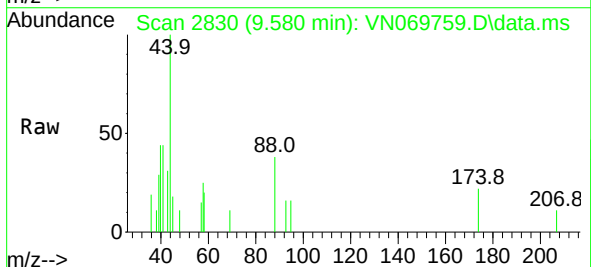
Instrument :
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ClientSampleId :
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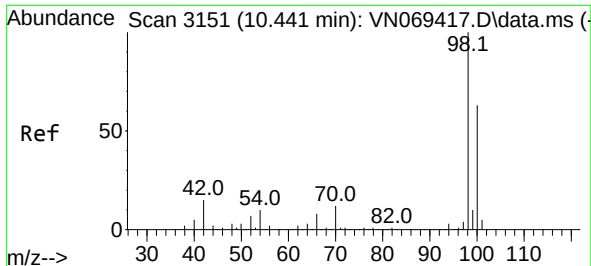
Tgt Ion:117 Resp: 145574
Ion Ratio Lower Upper
117 100
119 4.2 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 1.816 ug/l
RT: 9.580 min Scan# 2830
Delta R.T. 0.008 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

Tgt Ion: 88 Resp: 793
Ion Ratio Lower Upper
88 100
43 22.1 23.4 35.2#
58 147.5 50.6 75.8#

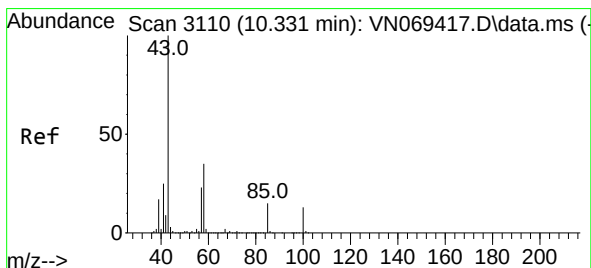
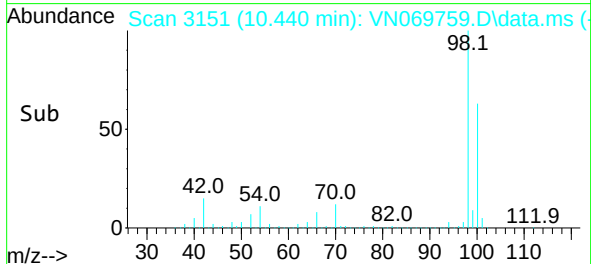
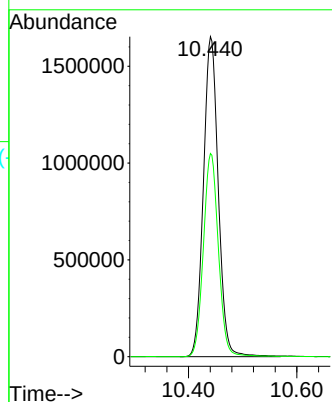
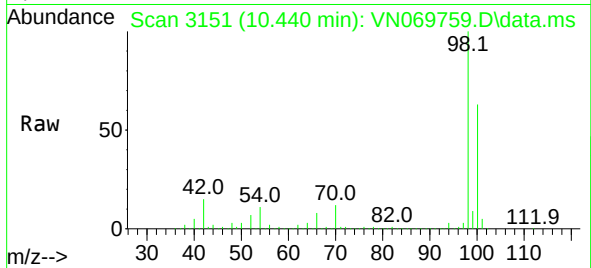




#50
Toluene-d8
Concen: 50.404 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

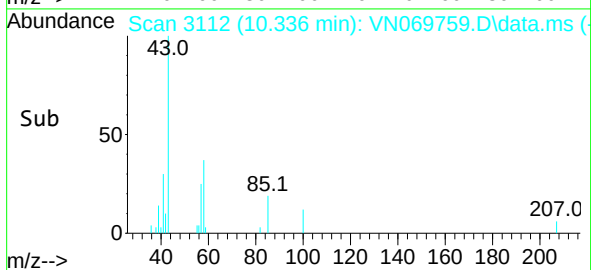
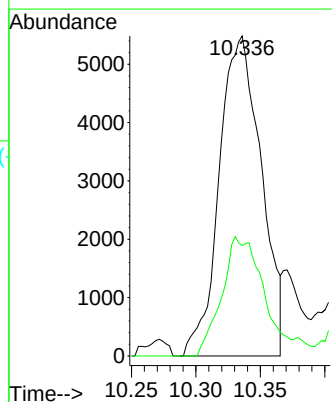
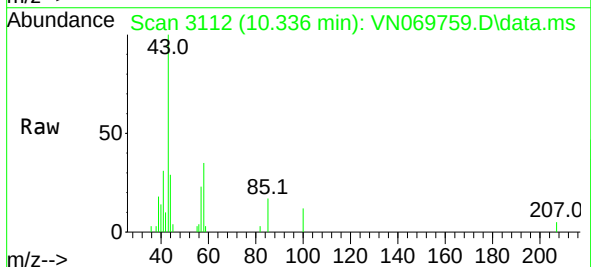
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBL01

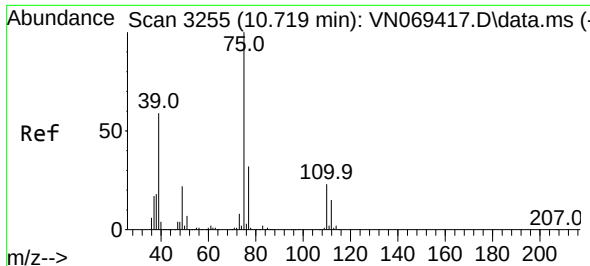
Tgt Ion: 98 Resp: 3153565
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.368 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

Tgt Ion: 43 Resp: 12448
Ion Ratio Lower Upper
43 100
58 36.8 30.4 45.6

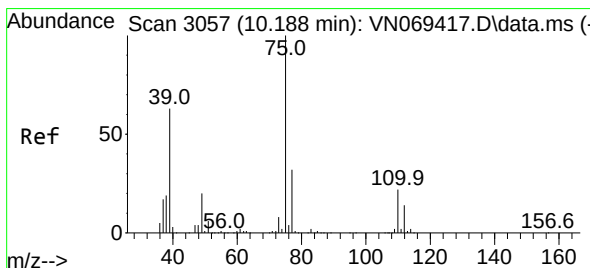
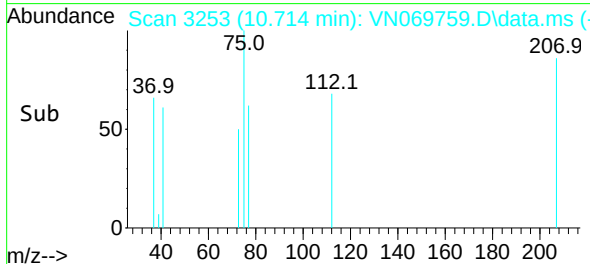
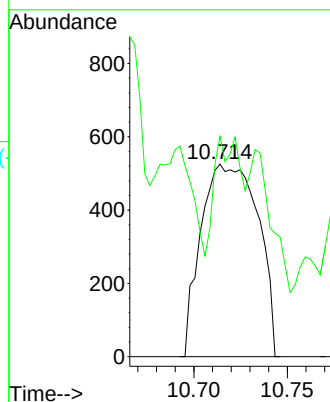
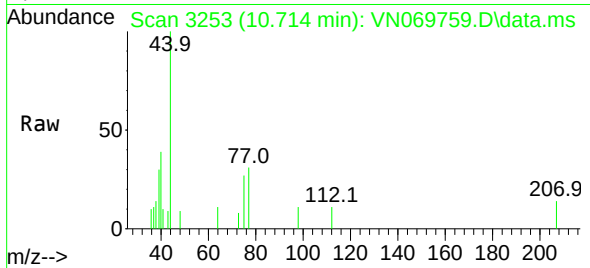




#53
t-1,3-Dichloropropene
Concen: 2.830 ug/l
RT: 10.714 min Scan# 3111
Delta R.T. -0.005 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

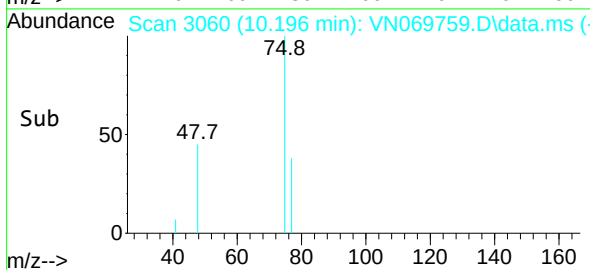
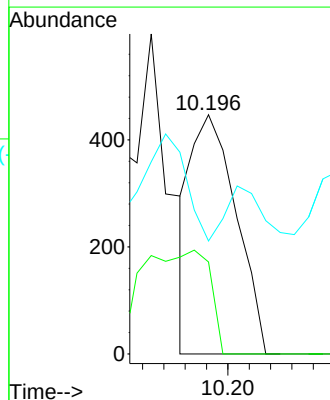
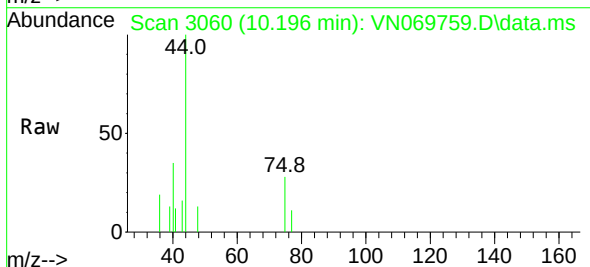
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBL01

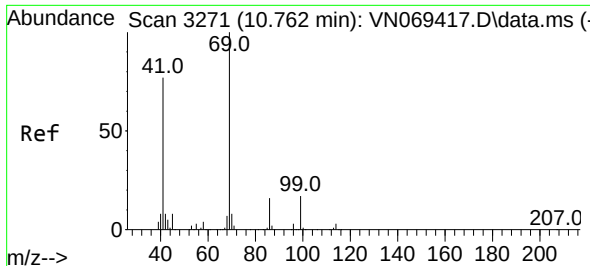
Tgt Ion: 75 Resp: 1111
Ion Ratio Lower Upper
75 100
77 52.4 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.007 ug/l
RT: 10.196 min Scan# 3060
Delta R.T. 0.005 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

Tgt Ion: 75 Resp: 262
Ion Ratio Lower Upper
75 100
77 38.5 26.4 39.6
39 0.0 42.5 63.7#

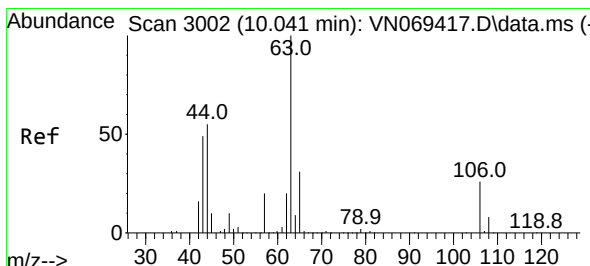
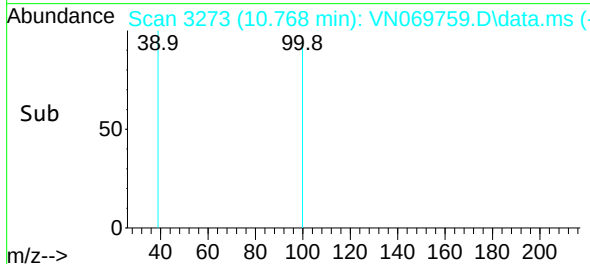
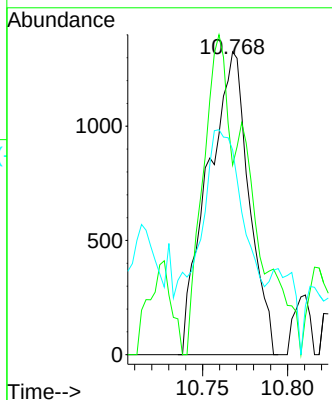
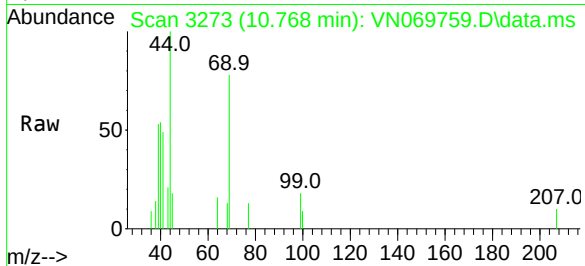




#56
 Ethyl methacrylate
 Concen: 2.343 ug/l
 RT: 10.768 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VN069759.D
 Acq: 4 Dec 2021 12:11

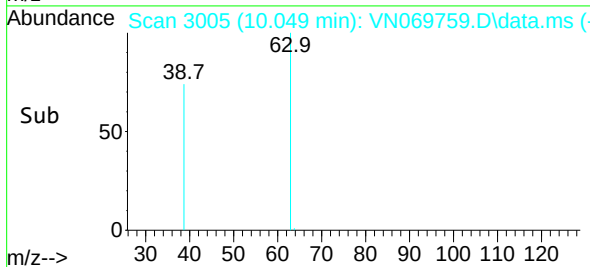
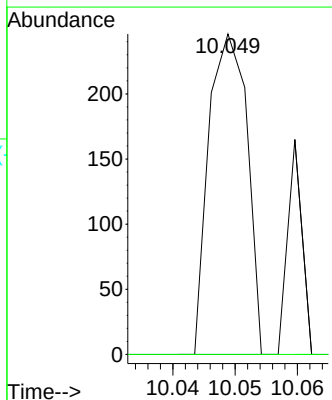
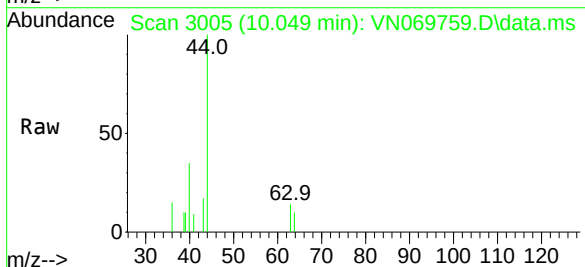
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBL01

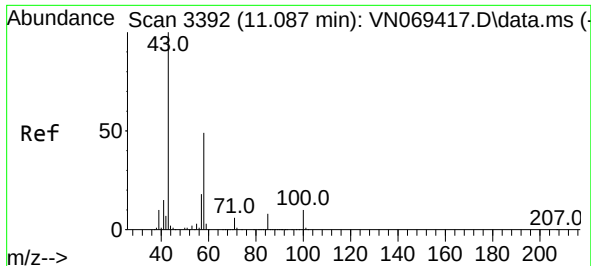
Tgt Ion:	69	Resp:	2233
Ion	Ratio	Lower	Upper
69	100		
41	67.5	51.4	77.0
39	48.7	34.6	52.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 18.400 ug/l
 RT: 10.049 min Scan# 3005
 Delta R.T. 0.006 min
 Lab File: VN069759.D
 Acq: 4 Dec 2021 12:11

Tgt Ion:	63	Resp:	105
Ion	Ratio	Lower	Upper
63	100		
106	0.0	23.9	35.9#

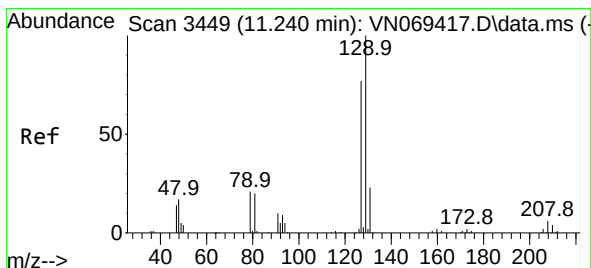
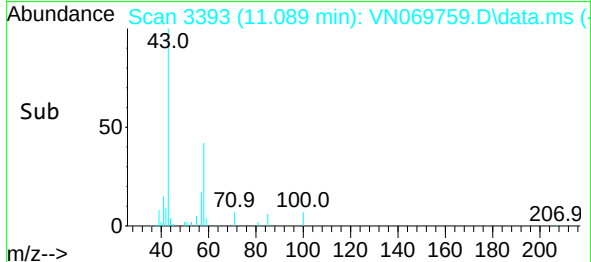
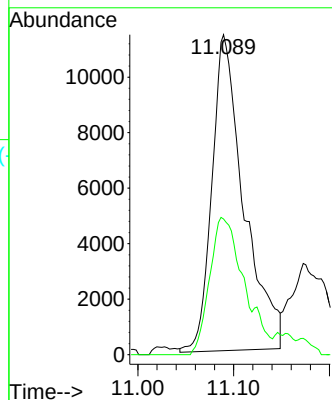
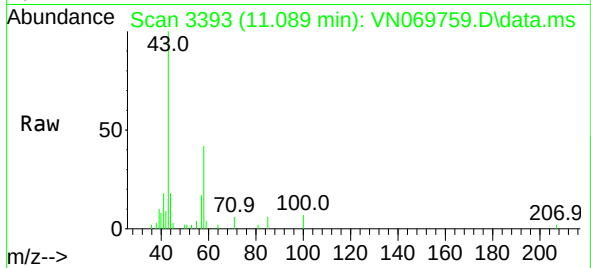




#59
2-Hexanone
Concen: 1.030 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

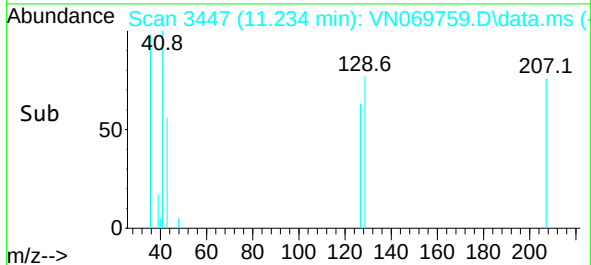
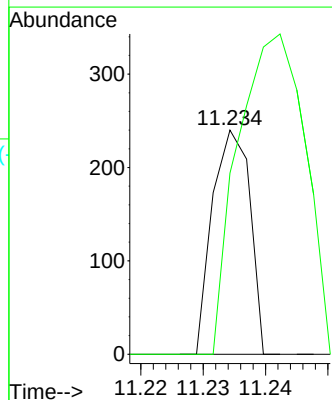
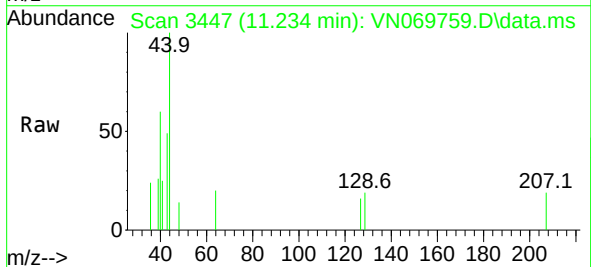
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBL01

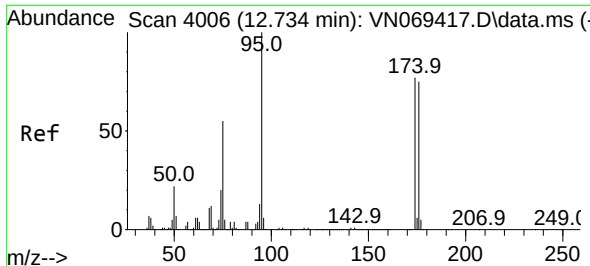
Tgt Ion: 43 Resp: 26367
Ion Ratio Lower Upper
43 100
58 41.9 26.9 80.7



#60
Dibromochloromethane
Concen: 2.381 ug/l
RT: 11.234 min Scan# 3447
Delta R.T. -0.006 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

Tgt Ion: 129 Resp: 100
Ion Ratio Lower Upper
129 100
127 255.0 38.6 116.0#

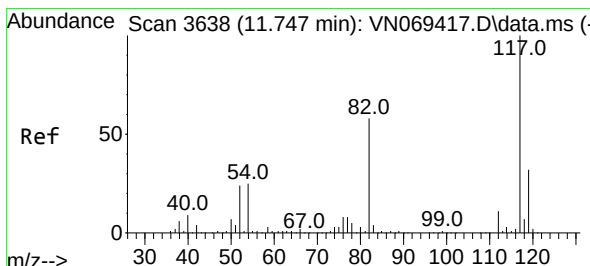
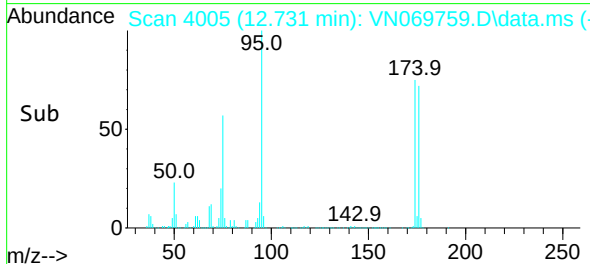
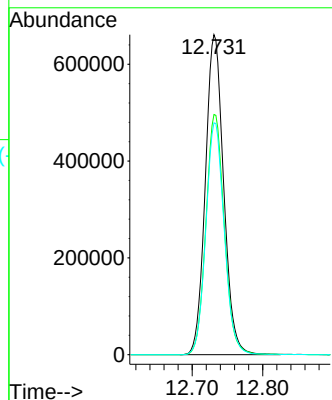
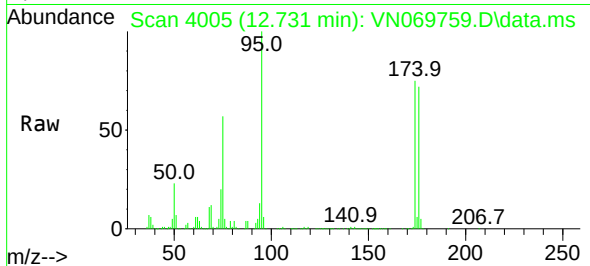




#62
4-Bromofluorobenzene
Concen: 52.589 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

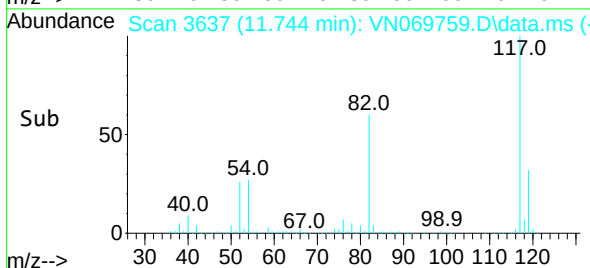
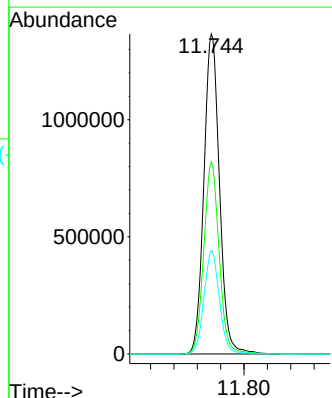
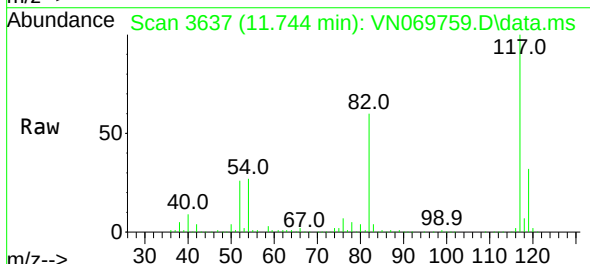
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBL01

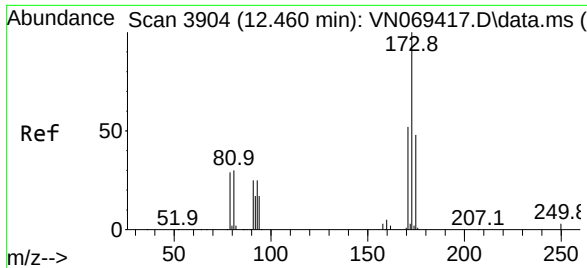
Tgt Ion: 95 Resp: 1191980
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 72.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

Tgt Ion: 117 Resp: 2535599
Ion Ratio Lower Upper
117 100
82 60.0 42.4 63.6
119 32.3 25.4 38.2

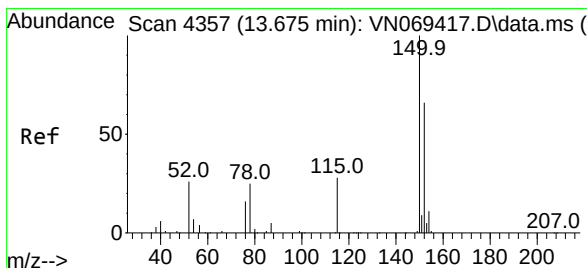
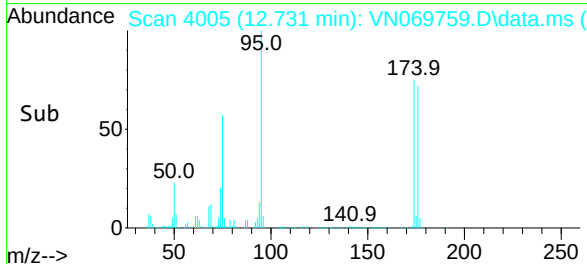
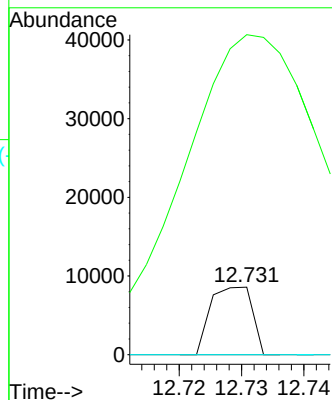
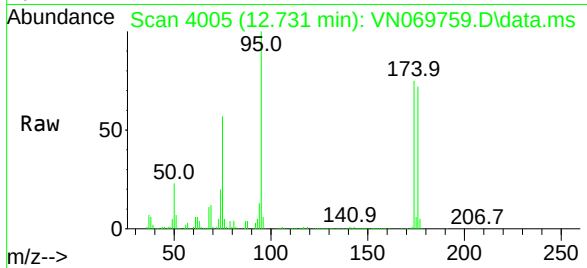




#71
Bromoform
Concen: 2.973 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

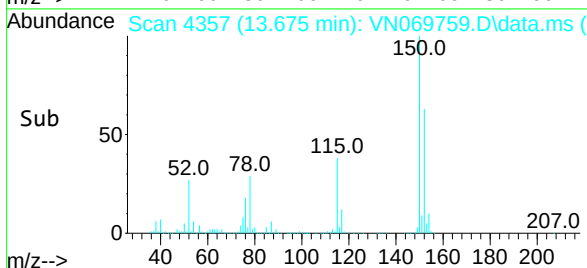
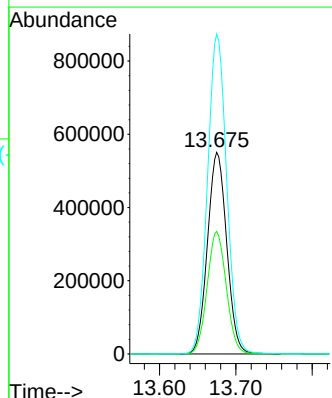
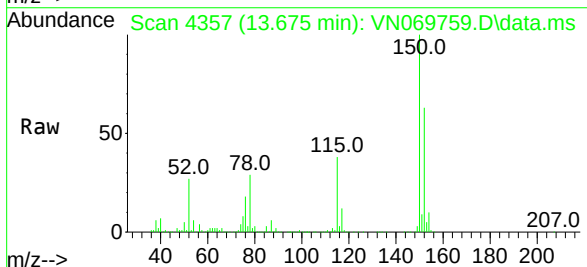
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBL01

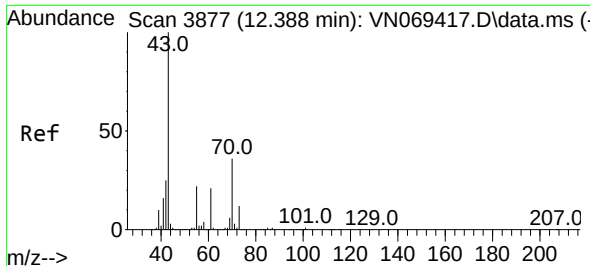
Tgt Ion:173 Resp: 3973
Ion Ratio Lower Upper
173 100
175 1652.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

Tgt Ion:152 Resp: 965312
Ion Ratio Lower Upper
152 100
115 60.2 27.5 82.5
150 157.9 0.0 344.4

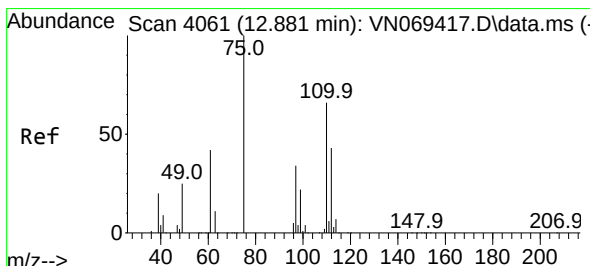
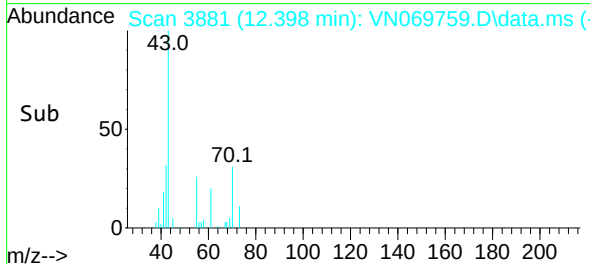
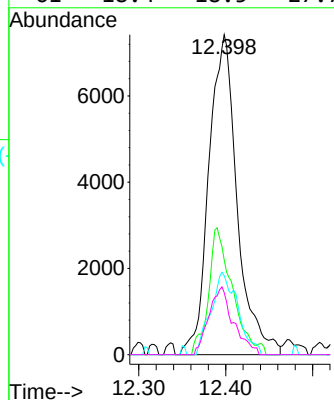
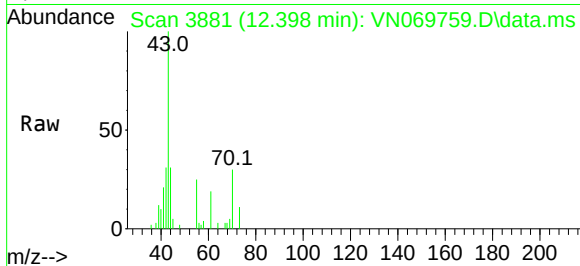




#74
N-amy1 acetate
Concen: 0.442 ug/l
RT: 12.398 min Scan# 3877
Delta R.T. 0.011 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

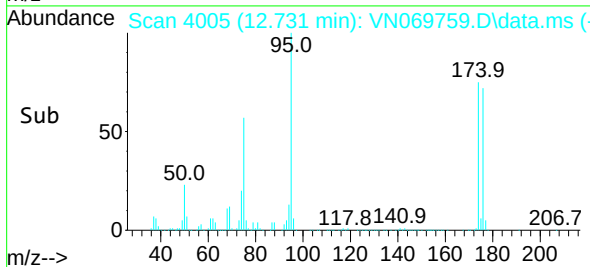
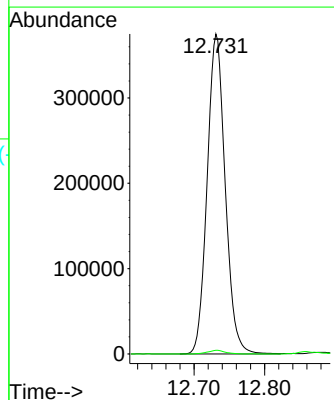
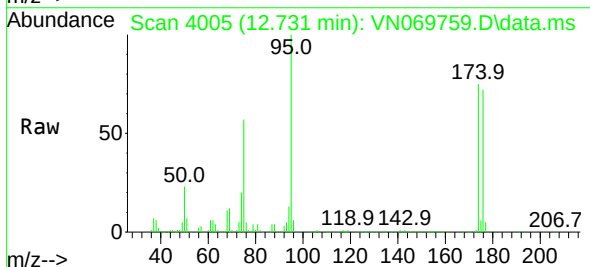
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBL01

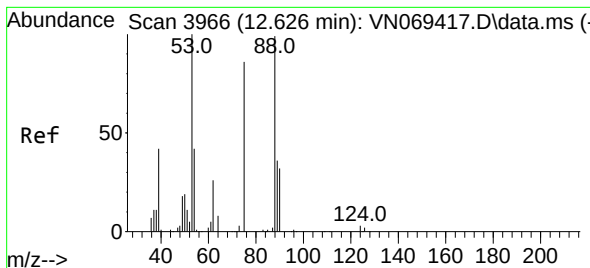
Tgt Ion:	43	Resp:	16773
Ion	Ratio	Lower	Upper
43	100		
70	32.7	33.4	50.0#
55	24.3	19.3	28.9
61	18.4	18.5	27.7#



#76
1,2,3-Trichloropropane
Concen: 24.068 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

Tgt Ion:	75	Resp:	666282
Ion	Ratio	Lower	Upper
75	100		
77	1.1	82.6	247.8#

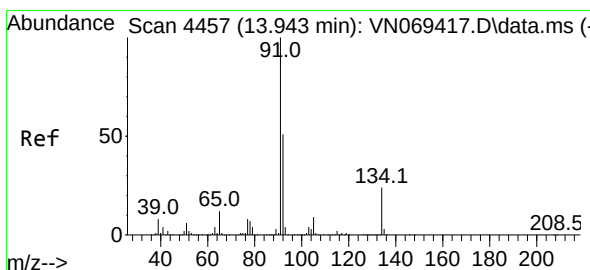
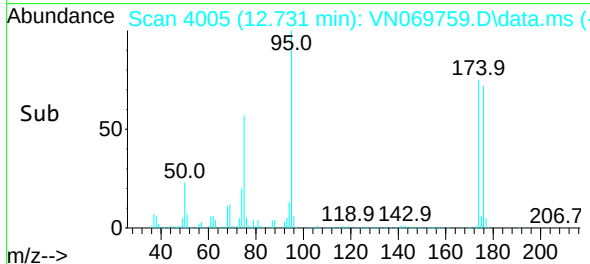
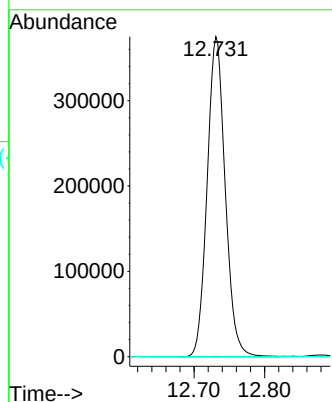
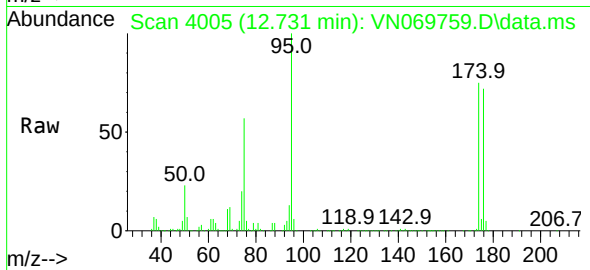




#81
trans-1,4-Dichloro-2-butene
Concen: 76.436 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

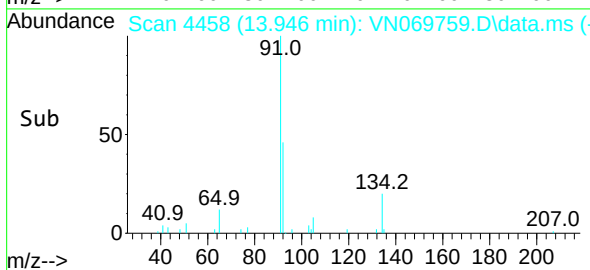
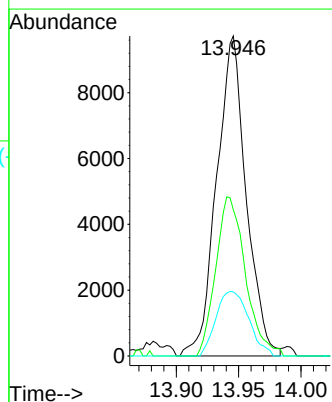
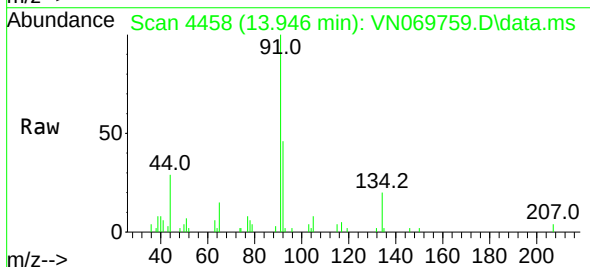
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBL01

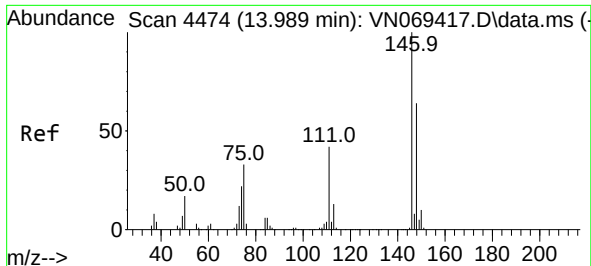
Tgt Ion: 75 Resp: 666282
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#89
n-Butylbenzene
Concen: 0.305 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

Tgt Ion: 91 Resp: 16039
Ion Ratio Lower Upper
91 100
92 49.9 25.4 76.0
134 22.3 13.6 40.8

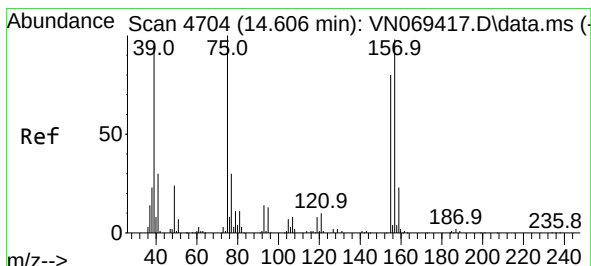
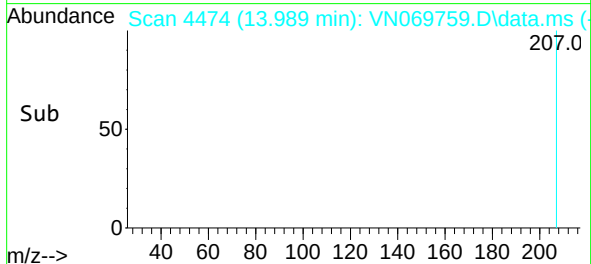
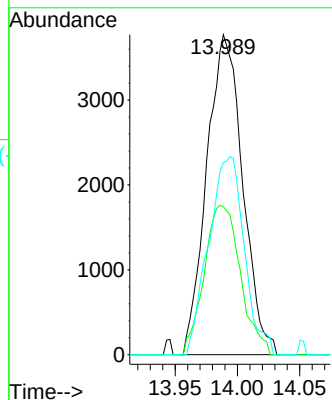
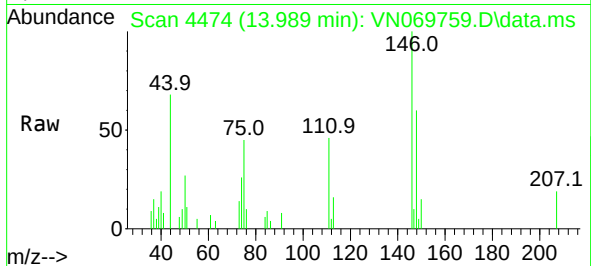




#91
1,2-Dichlorobenzene
Concen: 0.234 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

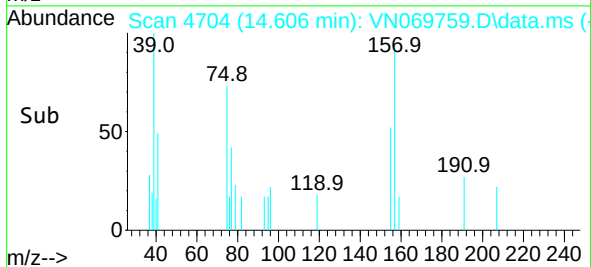
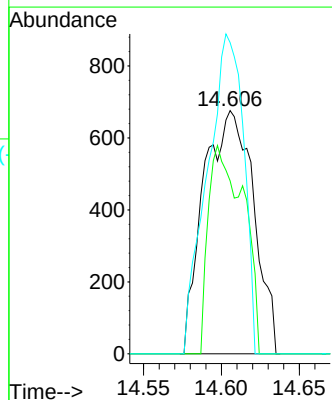
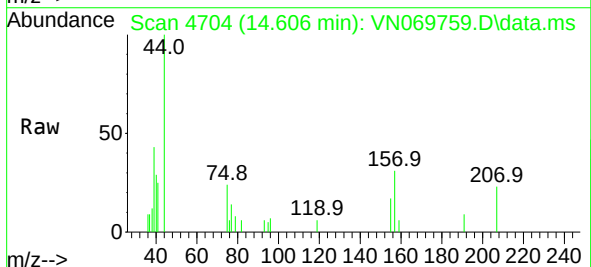
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBL01

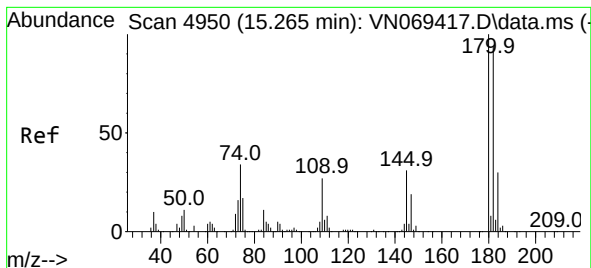
Tgt Ion:146 Resp: 7570
Ion Ratio Lower Upper
146 100
111 47.0 19.1 57.3
148 61.5 32.1 96.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.281 ug/l
RT: 14.606 min Scan# 4704
Delta R.T. 0.003 min
Lab File: VN069759.D
Acq: 4 Dec 2021 12:11

Tgt Ion: 75 Resp: 1507
Ion Ratio Lower Upper
75 100
155 60.3 46.9 140.7
157 95.6 60.6 181.7





#93

1,2,4-Trichlorobenzene

Concen: 3.627 ug/l

RT: 15.263 min Scan# 4950

Delta R.T. -0.002 min

Lab File: VN069759.D

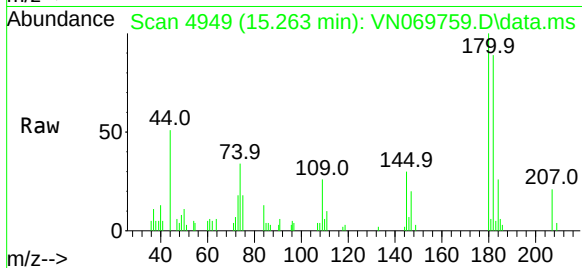
Acq: 4 Dec 2021 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBL01



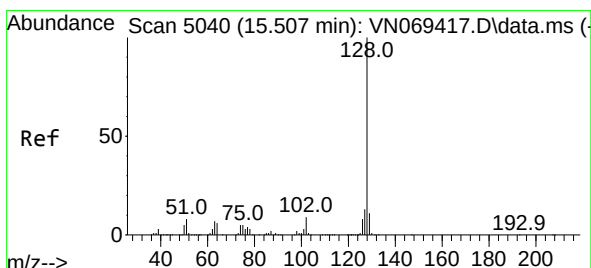
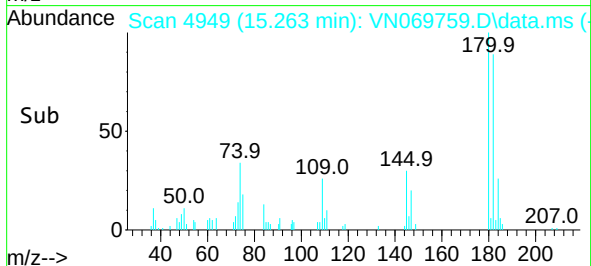
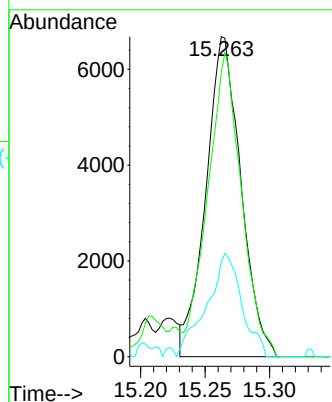
Tgt Ion:180 Resp: 12584

Ion Ratio Lower Upper

180 100

182 92.0 48.3 144.9

145 32.4 14.5 43.5



#95

Naphthalene

Concen: 4.995 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN069759.D

Acq: 4 Dec 2021 12:11

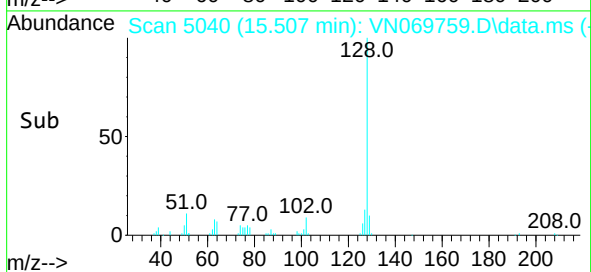
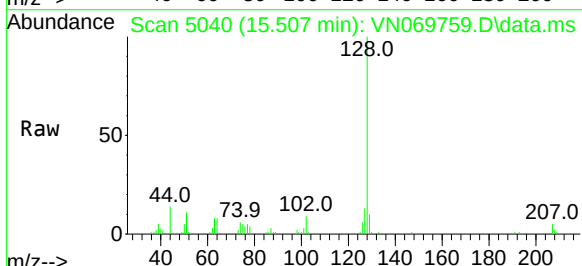
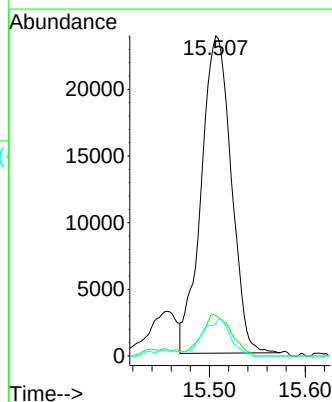
Tgt Ion:128 Resp: 51777

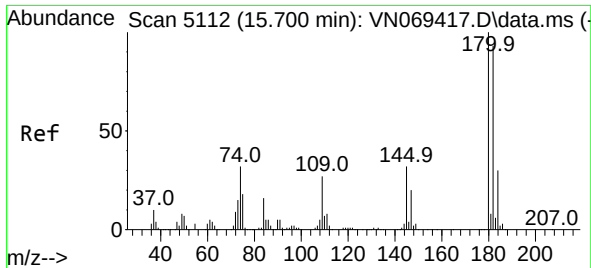
Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.9 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.352 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.002 min
 Lab File: VN069759.D
 Acq: 4 Dec 2021 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.4	142.2
145	30.7	15.0	45.1

