

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069734.D
 Acq On : 3 Dec 2021 22:52
 Operator : JC/MD
 Sample : VN1203WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBL02

Quant Time: Dec 04 05:38:16 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)

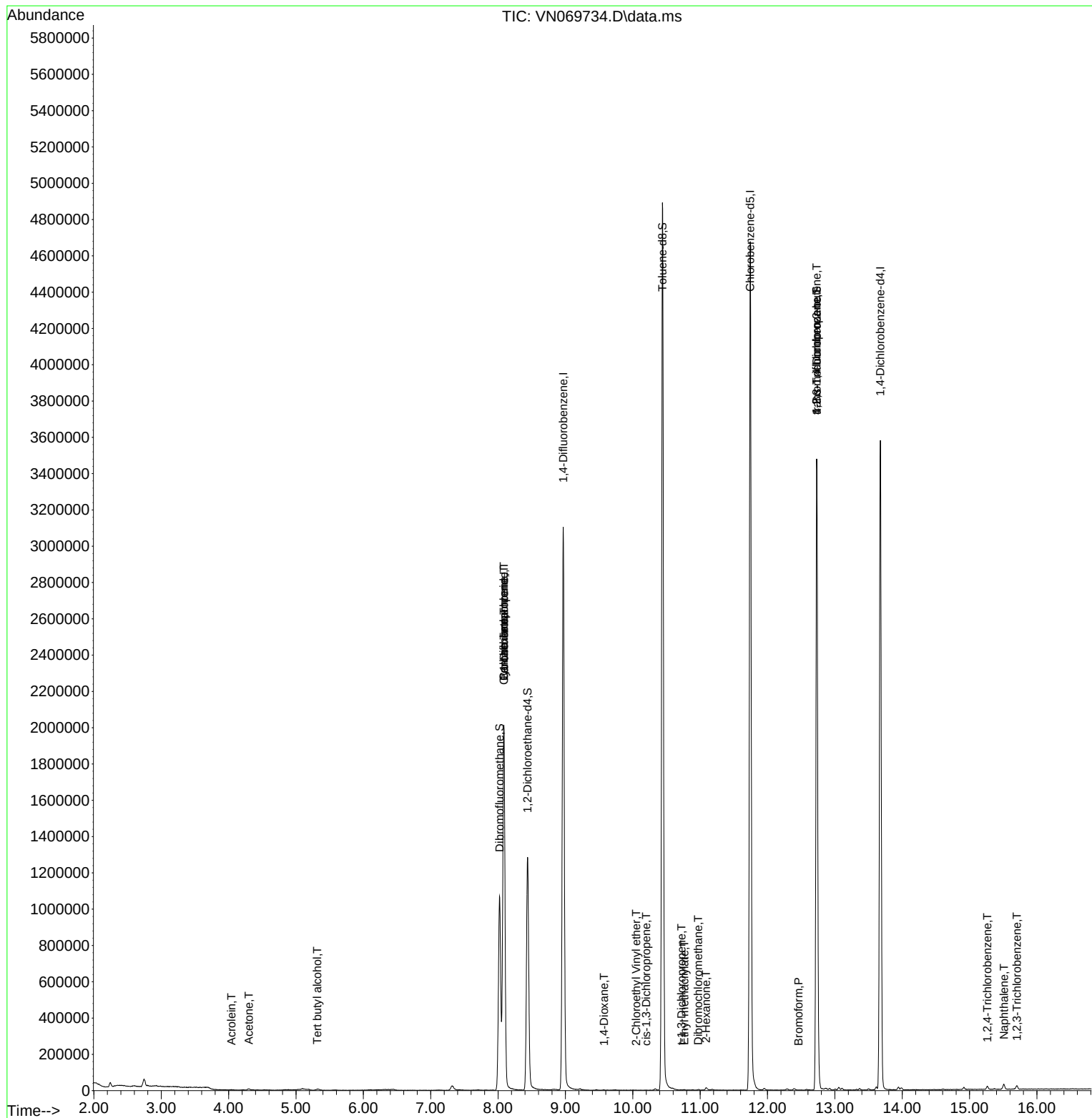
Internal Standards						
1) Pentafluorobenzene	8.086	168	1504596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2608209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2628285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	978635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1124956	48.425	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.840%		
35) Dibromofluoromethane	8.021	113	771945	47.251	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.500%		
50) Toluene-d8	10.440	98	3333909	50.822	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.640%		
62) 4-Bromofluorobenzene	12.731	95	1205417	50.722	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.440%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.315	59	3639	0.829	ug/l #	71
13) Acrolein	4.041	56	1111	0.297	ug/l #	60
16) Acetone	4.299	43	8433	0.603	ug/l	96
31) Cyclohexane	8.088	56	40662	1.258	ug/l #	33
36) 1,1-Dichloropropene	8.086	75	131377	5.291	ug/l #	48
38) Carbon Tetrachloride	8.086	117	155730	6.396	ug/l #	17
49) 1,4-Dioxane	9.574	88	238	0.520	ug/l #	9
53) t-1,3-Dichloropropene	10.722	75	541	2.811	ug/l #	81
54) cis-1,3-Dichloropropene	10.199	75	185	2.004	ug/l #	36
56) Ethyl methacrylate	10.768	69	1103	2.309	ug/l #	78
58) 2-Chloroethyl Vinyl ether	10.052	63	123	18.401	ug/l #	45
59) 2-Hexanone	11.087	43	11594	0.432	ug/l	92
60) Dibromochloromethane	10.971	129	555	2.403	ug/l #	11
71) Bromoform	12.463	173	95	2.736	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	677098	24.126	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	677098	76.609	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	5725	3.214	ug/l	92
95) Naphthalene	15.509	128	26144	4.488	ug/l	97
96) 1,2,3-Trichlorobenzene	15.702	180	7278	2.878	ug/l	93

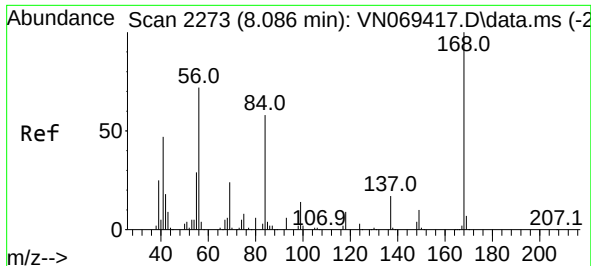
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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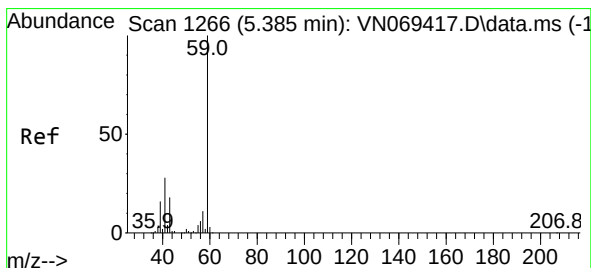
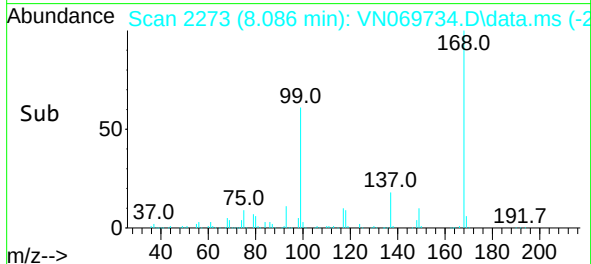
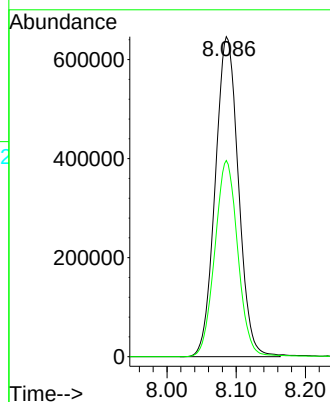
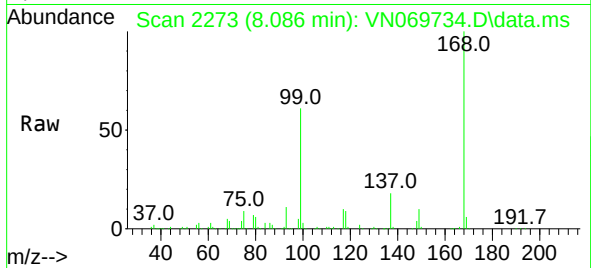




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

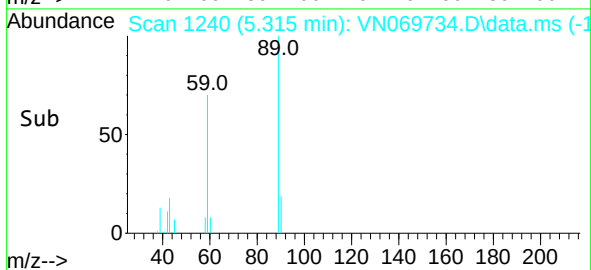
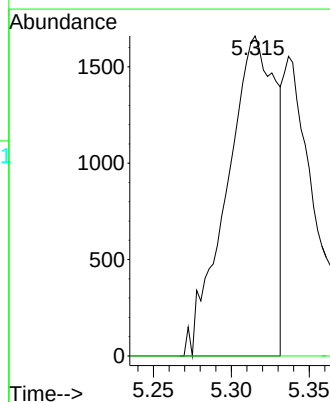
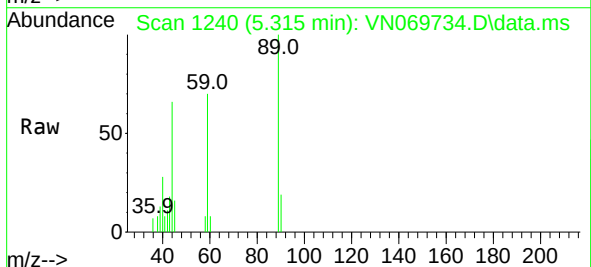
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL02

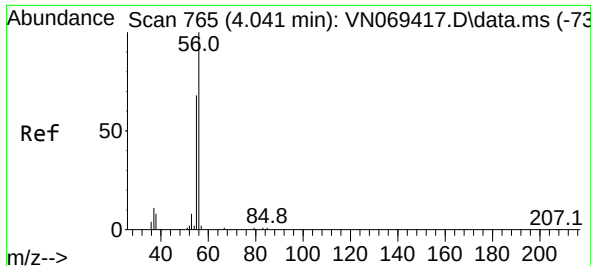
Tgt Ion:168 Resp: 1504596
Ion Ratio Lower Upper
168 100
99 61.3 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.829 ug/l
RT: 5.315 min Scan# 1240
Delta R.T. -0.075 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

Tgt Ion: 59 Resp: 3639
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#13

Acrolein

Concen: 0.297 ug/l

RT: 4.041 min Scan# 765

Delta R.T. 0.003 min

Lab File: VN069734.D

Acq: 3 Dec 2021 22:52

Instrument :

MSVOA_N

ClientSampleId :

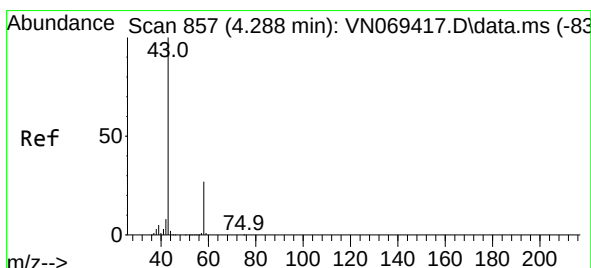
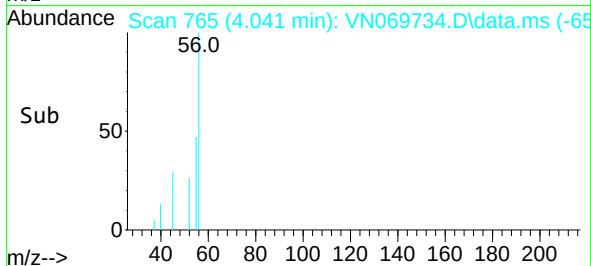
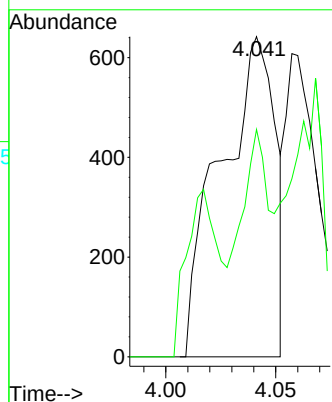
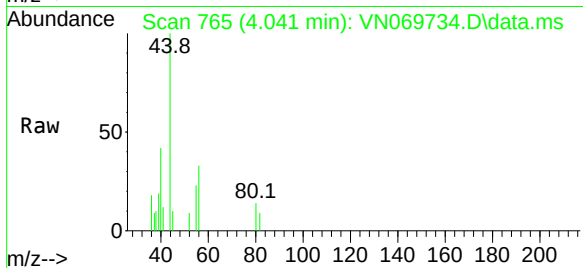
VN1203WBL02

Tgt Ion: 56 Resp: 1111

Ion Ratio Lower Upper

56 100

55 37.7 56.6 85.0#



#16

Acetone

Concen: 0.603 ug/l

RT: 4.299 min Scan# 861

Delta R.T. 0.008 min

Lab File: VN069734.D

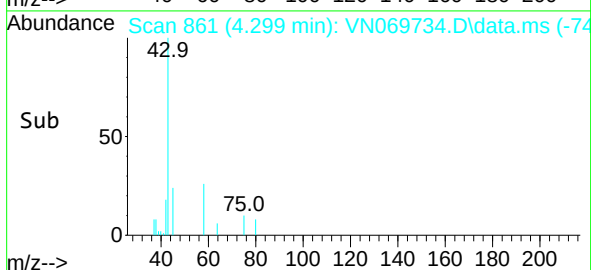
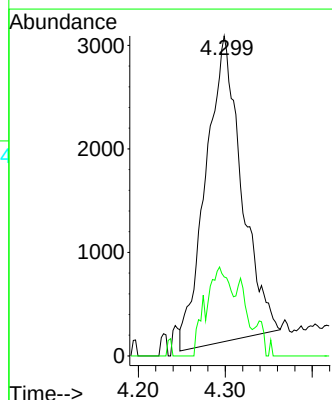
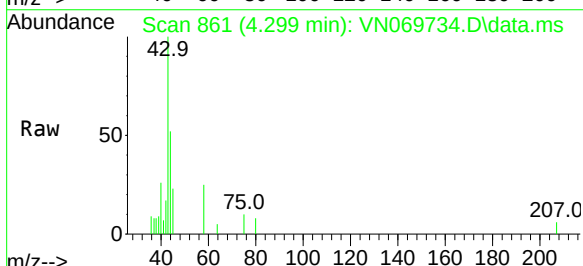
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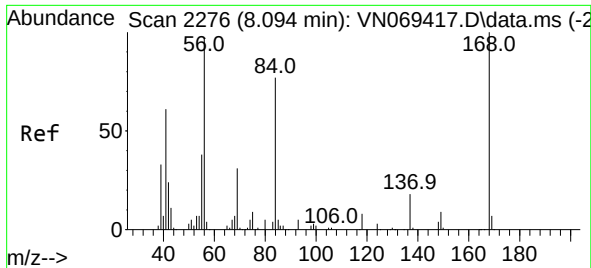
Tgt Ion: 43 Resp: 8433

Ion Ratio Lower Upper

43 100

58 26.9 23.1 34.7

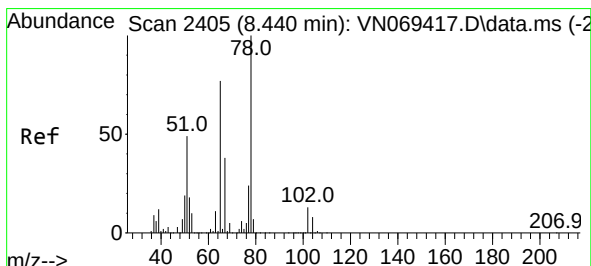
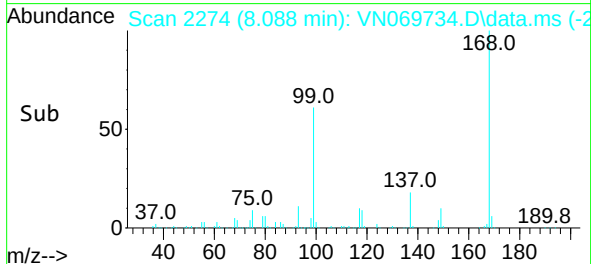
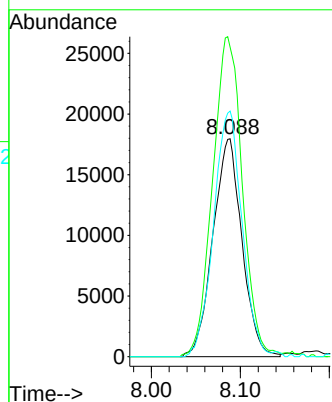
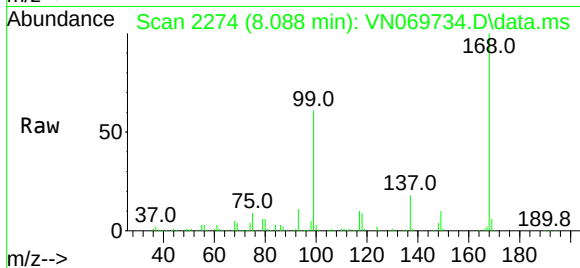




#31
Cyclohexane
Concen: 1.258 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

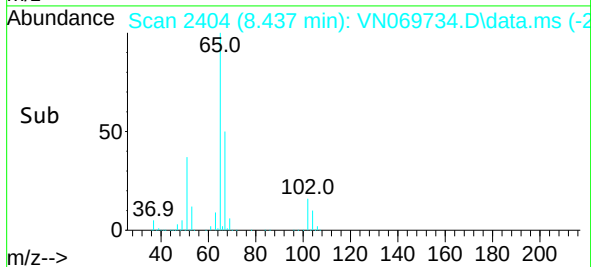
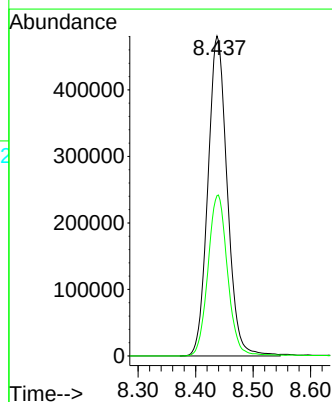
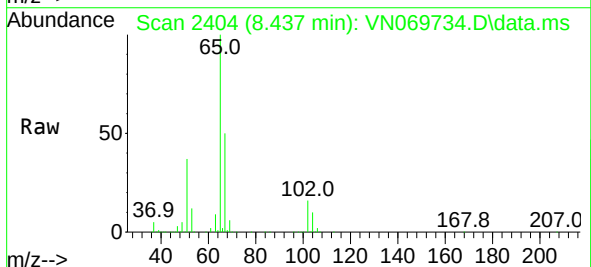
Instrument :
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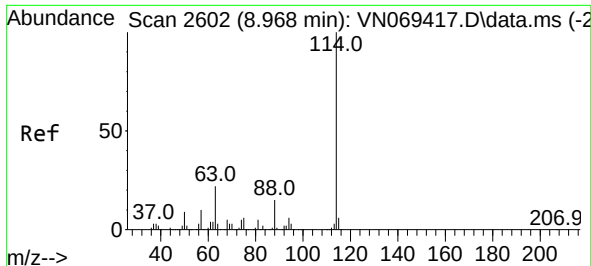
Tgt Ion: 56 Resp: 40662
Ion Ratio Lower Upper
56 100
69 142.0 27.1 40.7#
84 112.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 48.425 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

Tgt Ion: 65 Resp: 1124956
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0

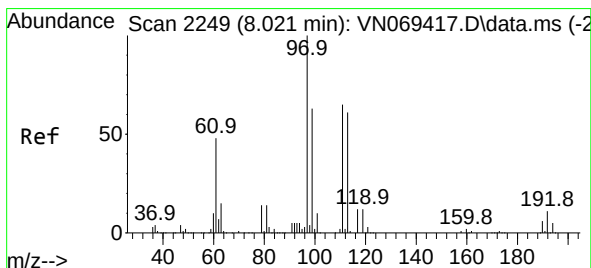
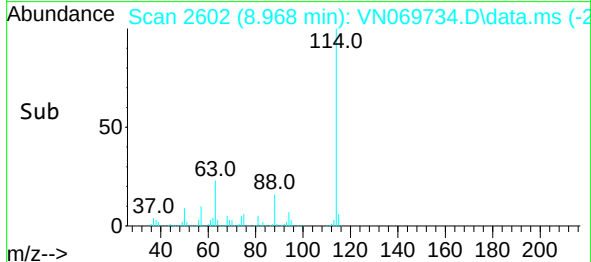
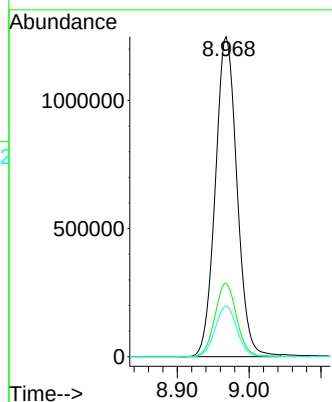
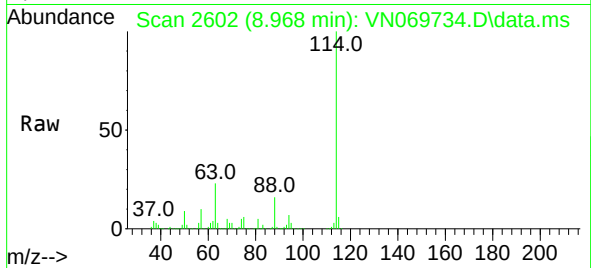




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

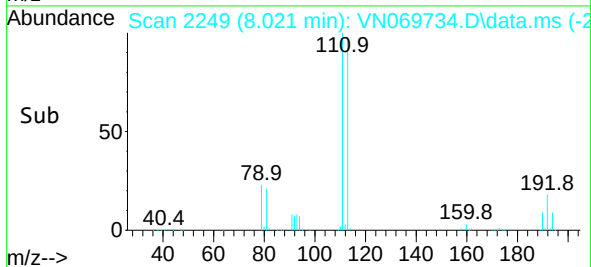
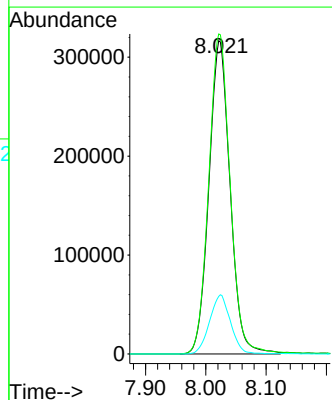
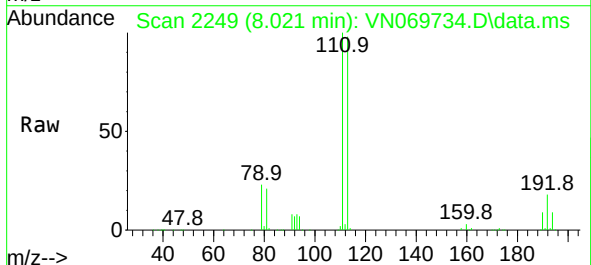
Instrument :
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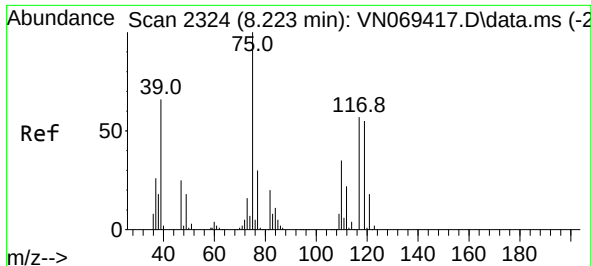
Tgt Ion:114 Resp: 2608209
Ion Ratio Lower Upper
114 100
63 22.9 0.0 37.8
88 15.9 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.251 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

Tgt Ion:113 Resp: 771945
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 18.7 16.9 25.3

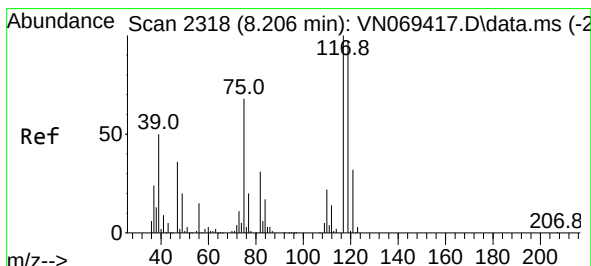
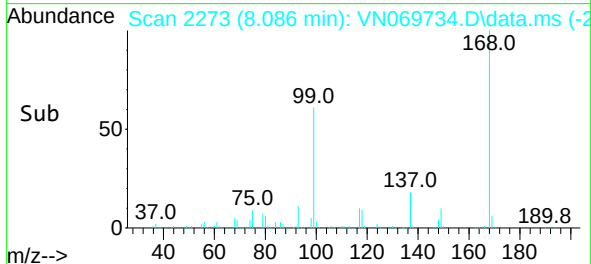
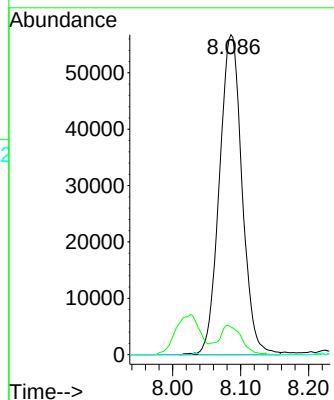
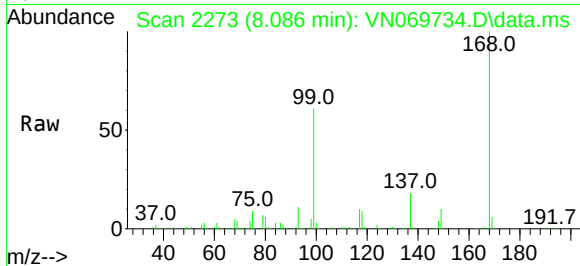




#36
 1,1-Dichloropropene
 Concen: 5.291 ug/l
 RT: 8.086 min Scan# 211
 Delta R.T. -0.137 min
 Lab File: VN069734.D
 Acq: 3 Dec 2021 22:52

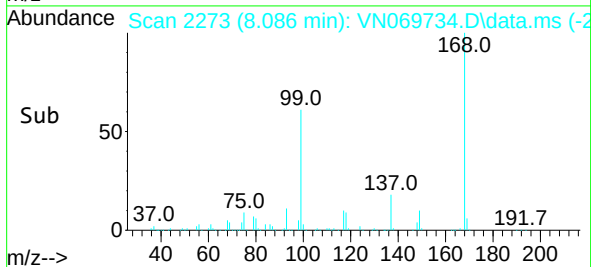
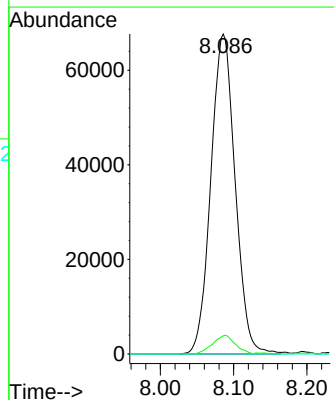
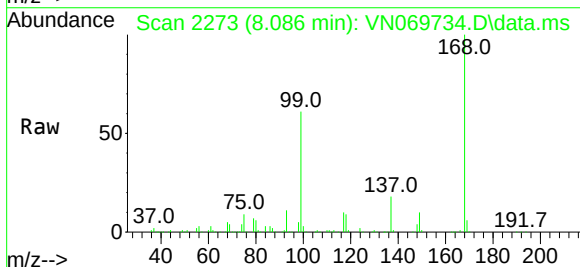
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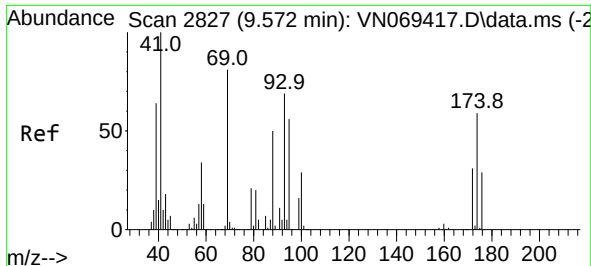
Tgt Ion: 75 Resp: 131377
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.4 55.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.396 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.121 min
 Lab File: VN069734.D
 Acq: 3 Dec 2021 22:52

Tgt Ion: 117 Resp: 155730
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.1 114.1#
 121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 0.520 ug/l

RT: 9.574 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN069734.D

Acq: 3 Dec 2021 22:52

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBL02

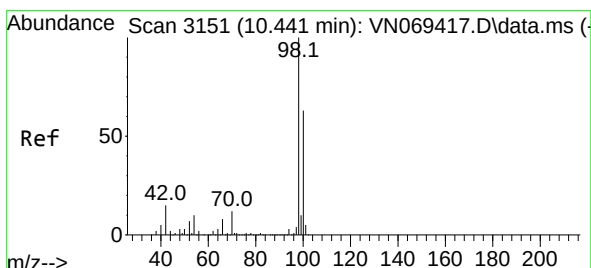
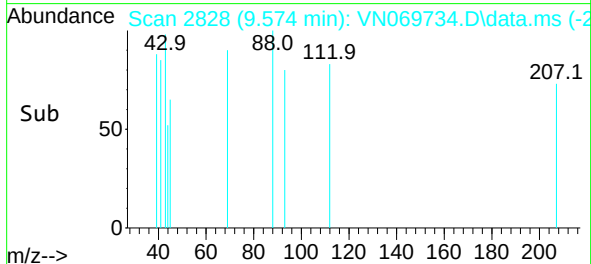
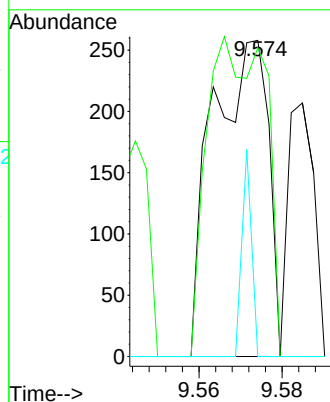
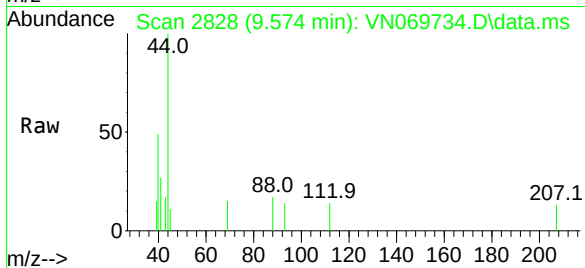
Tgt Ion: 88 Resp: 238

Ion Ratio Lower Upper

88 100

43 106.7 23.4 35.2#

58 11.3 50.6 75.8#



#50

Toluene-d8

Concen: 50.822 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.003 min

Lab File: VN069734.D

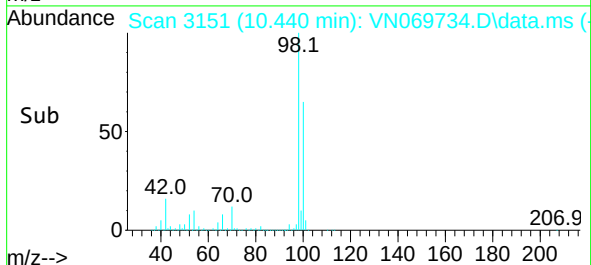
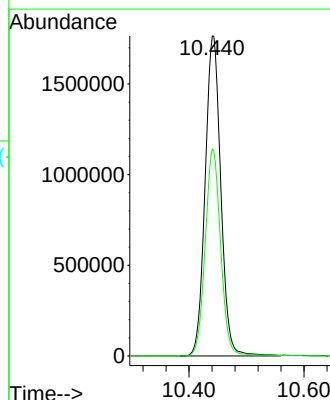
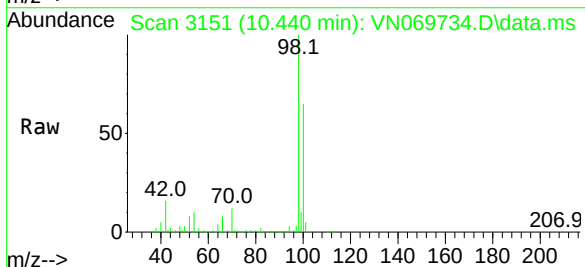
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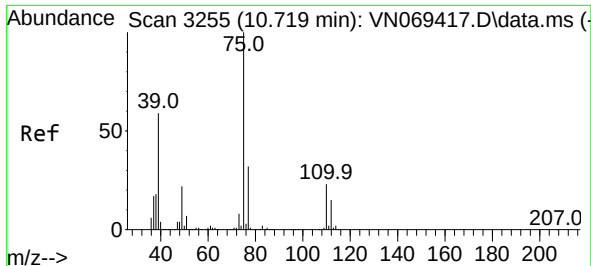
Tgt Ion: 98 Resp: 3333909

Ion Ratio Lower Upper

98 100

100 64.0 50.4 75.6

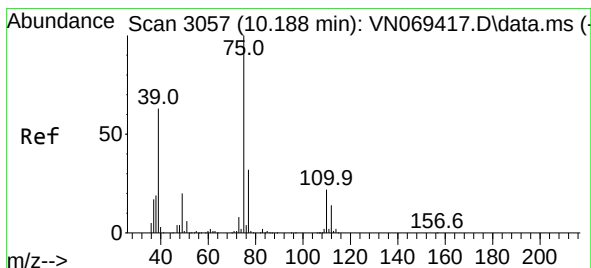
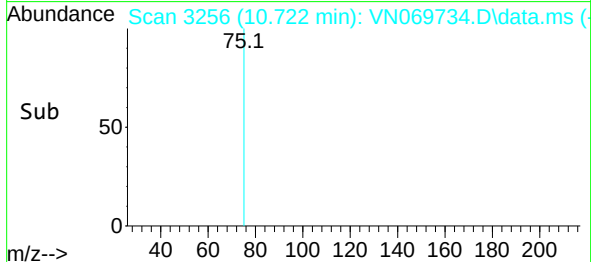
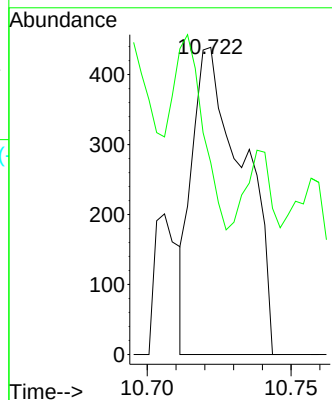
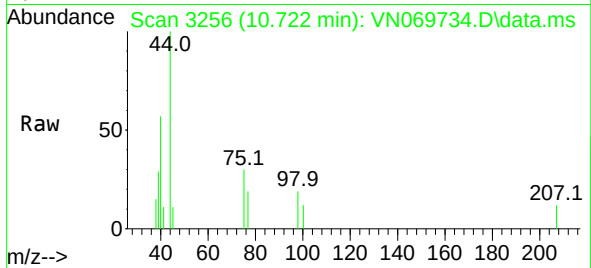




#53
 t-1,3-Dichloropropene
 Concen: 2.811 ug/l
 RT: 10.722 min Scan# 3061
 Delta R.T. 0.003 min
 Lab File: VN069734.D
 Acq: 3 Dec 2021 22:52

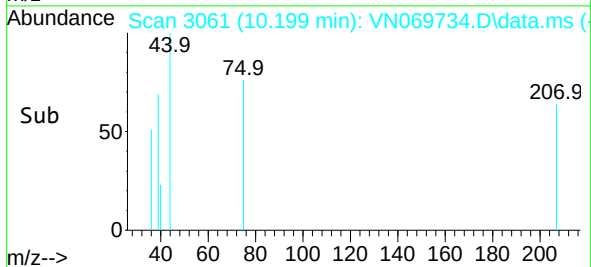
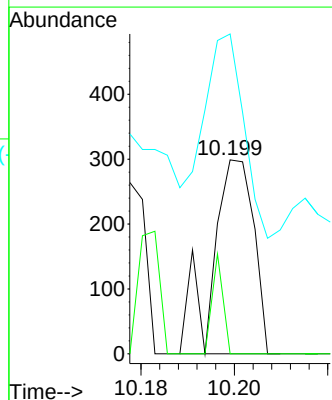
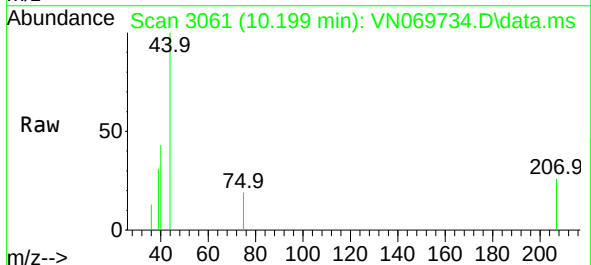
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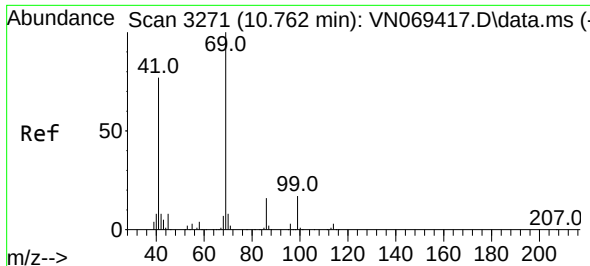
Tgt Ion: 75 Resp: 541
 Ion Ratio Lower Upper
 75 100
 77 21.2 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 2.004 ug/l
 RT: 10.199 min Scan# 3061
 Delta R.T. 0.008 min
 Lab File: VN069734.D
 Acq: 3 Dec 2021 22:52

Tgt Ion: 75 Resp: 185
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 101.0 42.5 63.7#

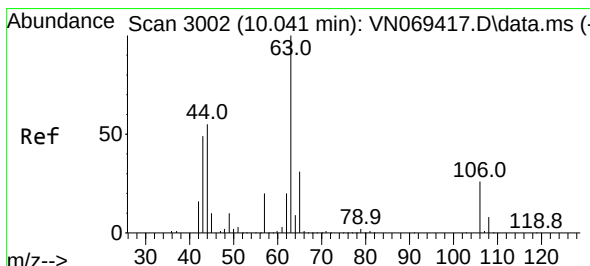
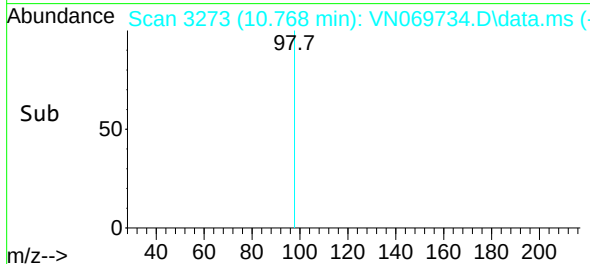
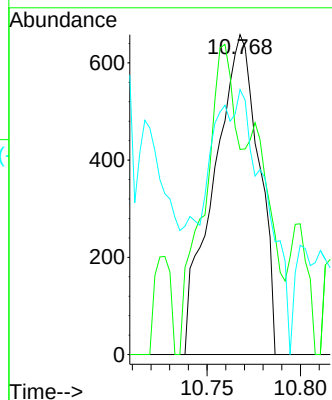
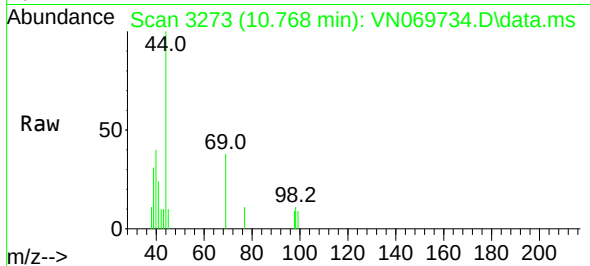




#56
Ethyl methacrylate
Concen: 2.309 ug/l
RT: 10.768 min Scan# 311
Delta R.T. 0.006 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

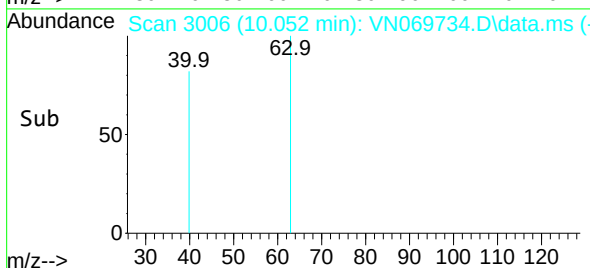
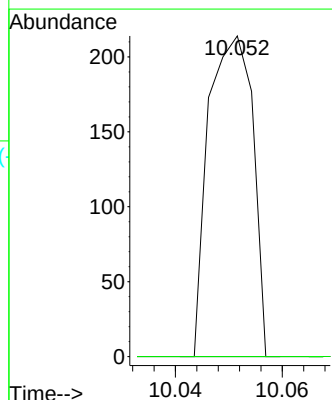
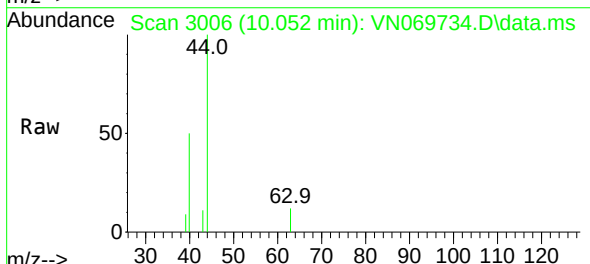
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL02

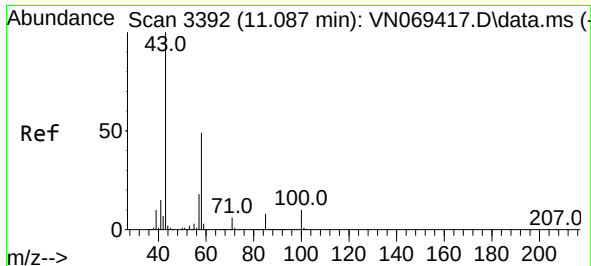
Tgt Ion: 69 Resp: 1103
Ion Ratio Lower Upper
69 100
41 70.8 51.4 77.0
39 16.2 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.401 ug/l
RT: 10.052 min Scan# 3006
Delta R.T. 0.009 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

Tgt Ion: 63 Resp: 123
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

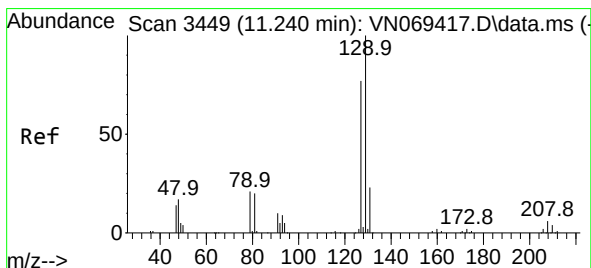
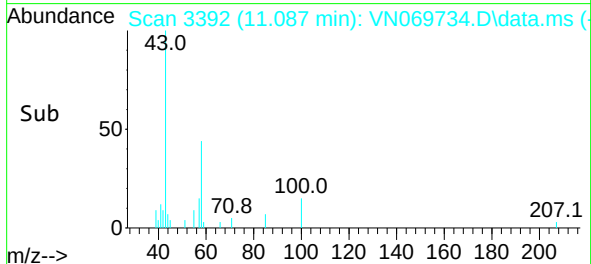
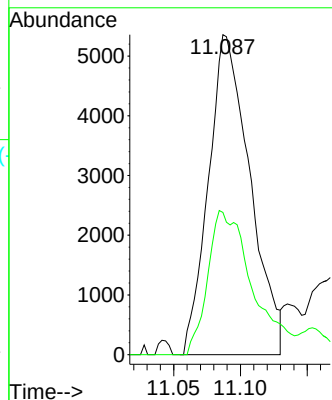
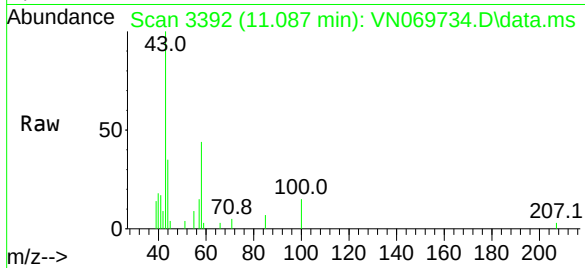




#59
2-Hexanone
Concen: 0.432 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

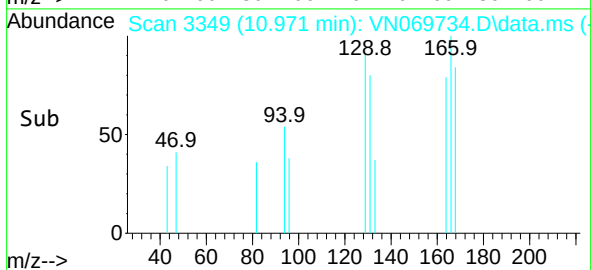
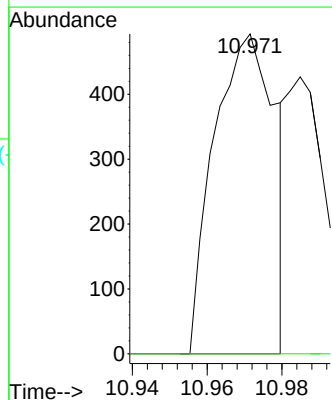
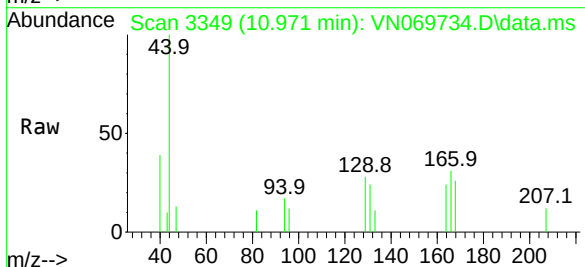
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL02

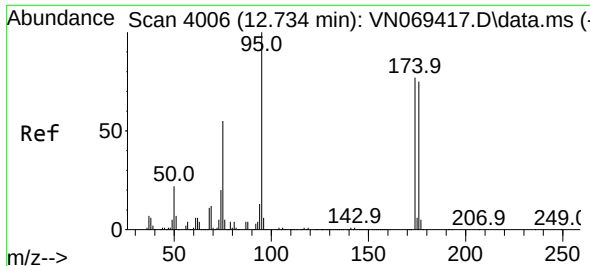
Tgt Ion: 43 Resp: 11594
Ion Ratio Lower Upper
43 100
58 48.2 26.9 80.7



#60
Dibromochloromethane
Concen: 2.403 ug/l
RT: 10.971 min Scan# 3349
Delta R.T. -0.269 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

Tgt Ion: 129 Resp: 555
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

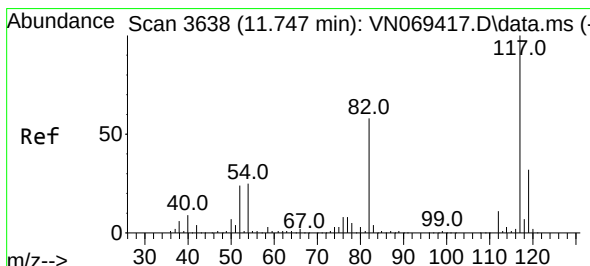
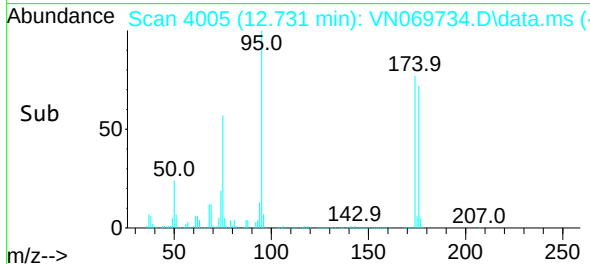
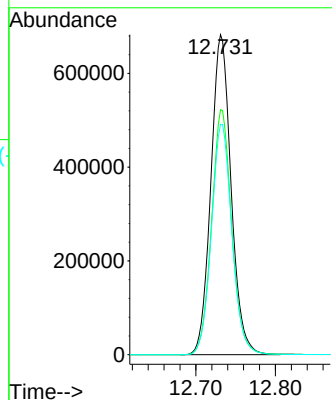
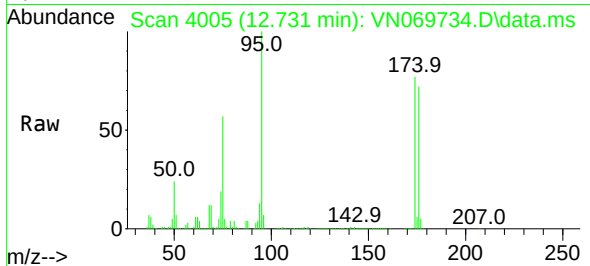




#62
4-Bromofluorobenzene
Concen: 50.722 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

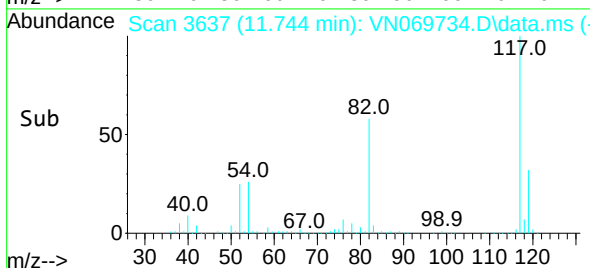
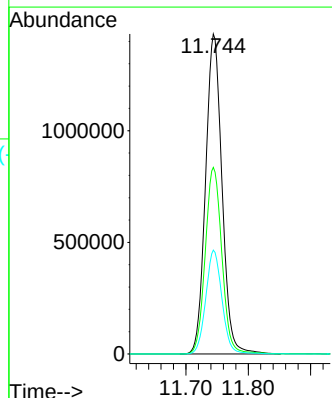
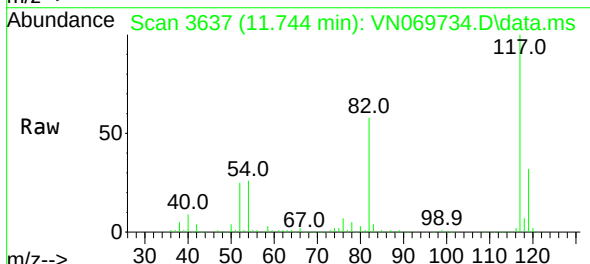
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL02

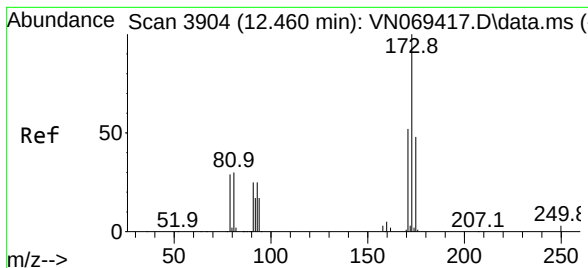
Tgt Ion: 95 Resp: 1205417
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 73.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

Tgt Ion: 117 Resp: 2628285
Ion Ratio Lower Upper
117 100
82 58.3 42.4 63.6
119 32.4 25.4 38.2





#71

Bromoform

Concen: 2.736 ug/l

RT: 12.463 min Scan# 3904

Delta R.T. 0.003 min

Lab File: VN069734.D

Acq: 3 Dec 2021 22:52

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBL02

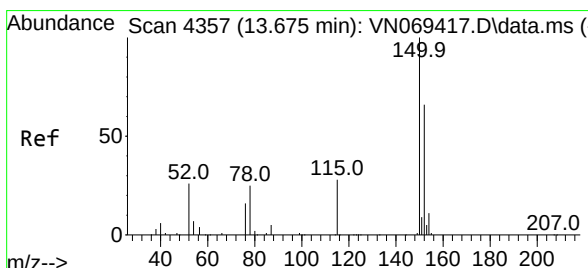
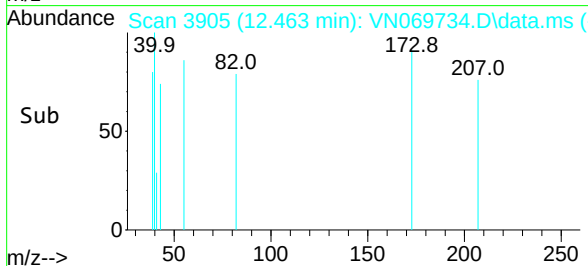
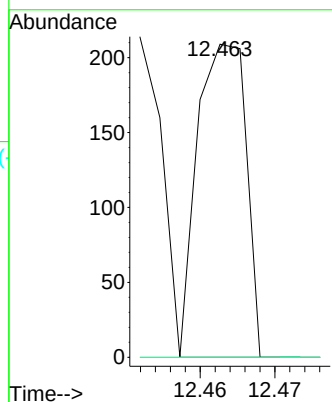
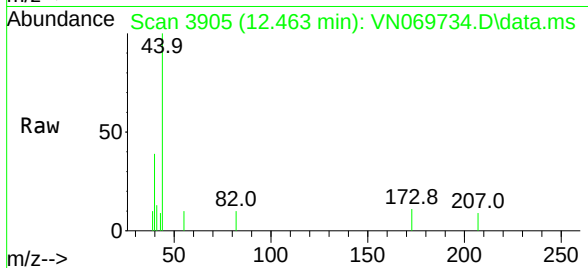
Tgt Ion:173 Resp: 95

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: VN069734.D

Acq: 3 Dec 2021 22:52

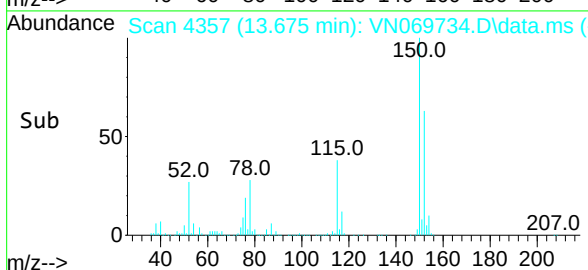
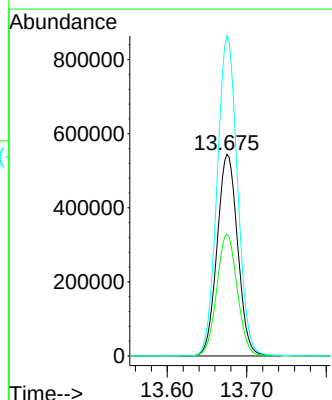
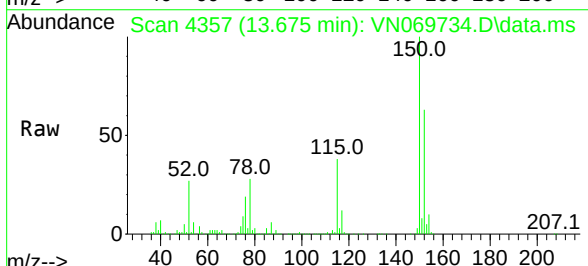
Tgt Ion:152 Resp: 978635

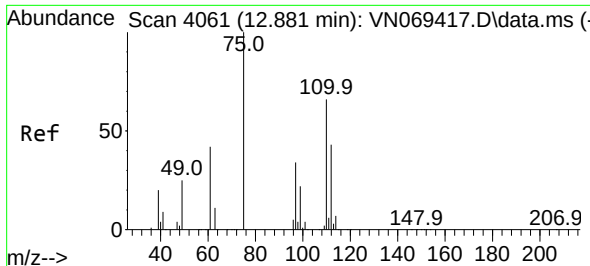
Ion Ratio Lower Upper

152 100

115 60.2 27.5 82.5

150 156.8 0.0 344.4

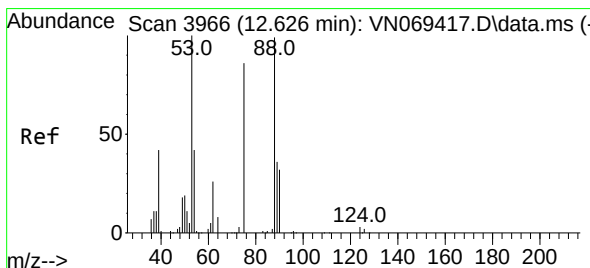
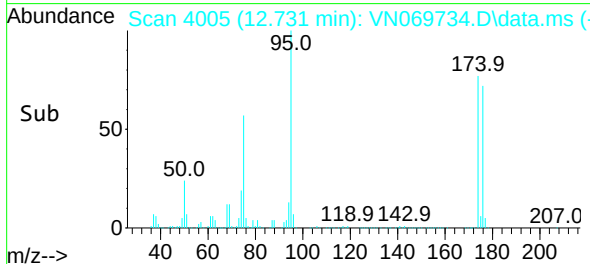
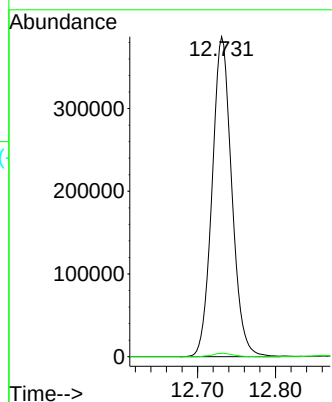
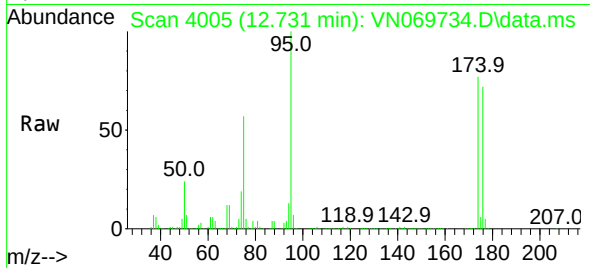




#76
1,2,3-Trichloropropane
Concen: 24.126 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

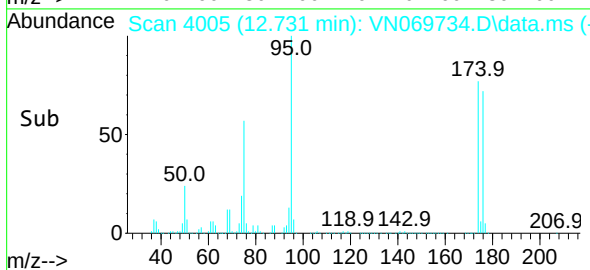
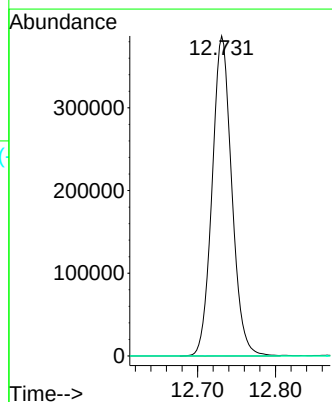
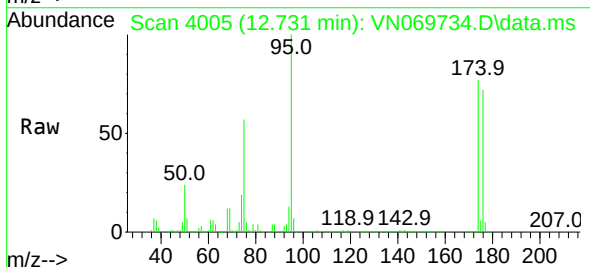
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL02

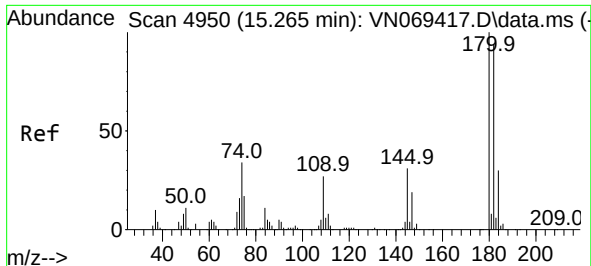
Tgt Ion: 75 Resp: 677098
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.609 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

Tgt Ion: 75 Resp: 677098
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

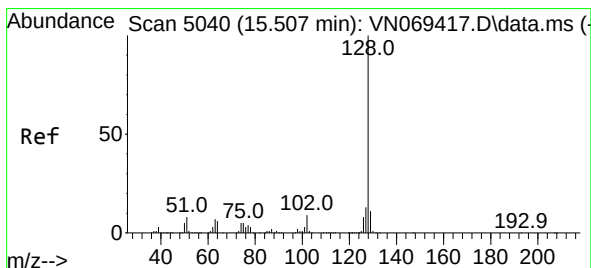
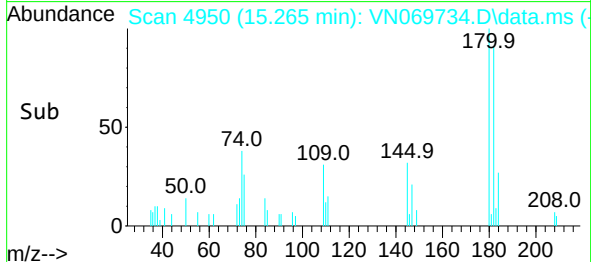
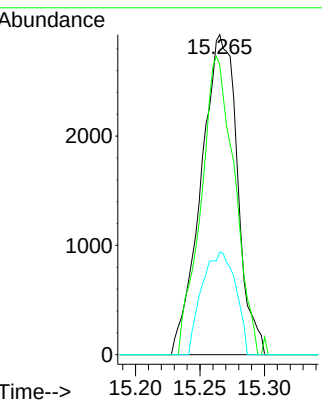
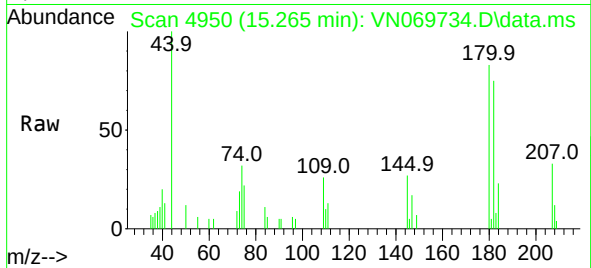




#93
1,2,4-Trichlorobenzene
Concen: 3.214 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

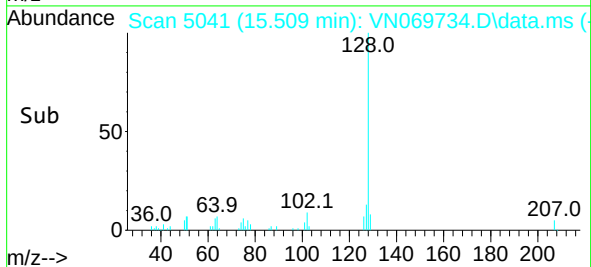
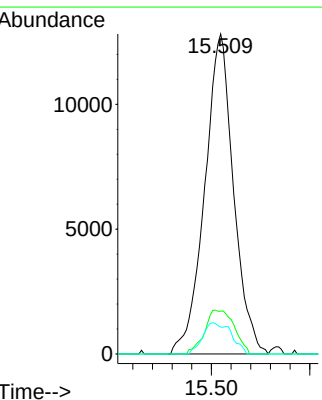
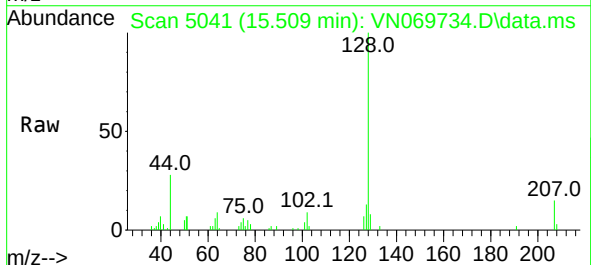
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL02

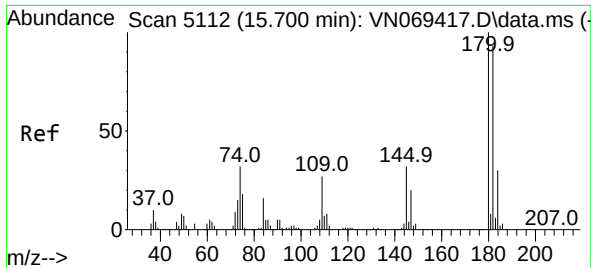
Tgt Ion:180 Resp: 5725
Ion Ratio Lower Upper
180 100
182 86.2 48.3 144.9
145 29.7 14.5 43.5



#95
Naphthalene
Concen: 4.488 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069734.D
Acq: 3 Dec 2021 22:52

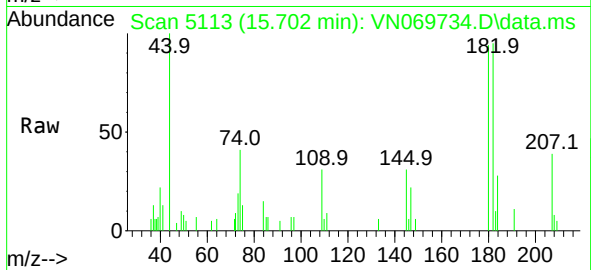
Tgt Ion:128 Resp: 26144
Ion Ratio Lower Upper
128 100
127 14.0 10.5 15.7
129 9.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.878 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN069734.D
 Acq: 3 Dec 2021 22:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBL02



Tgt Ion:	180	Resp:	7278
Ion	Ratio	Lower	Upper
180	100		
182	85.4	47.4	142.2
145	29.9	15.0	45.1

