

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113021\
 Data File : VN069678.D
 Acq On : 30 Nov 2021 11:05
 Operator : JC/MD
 Sample : VN1130MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 01 01:47:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

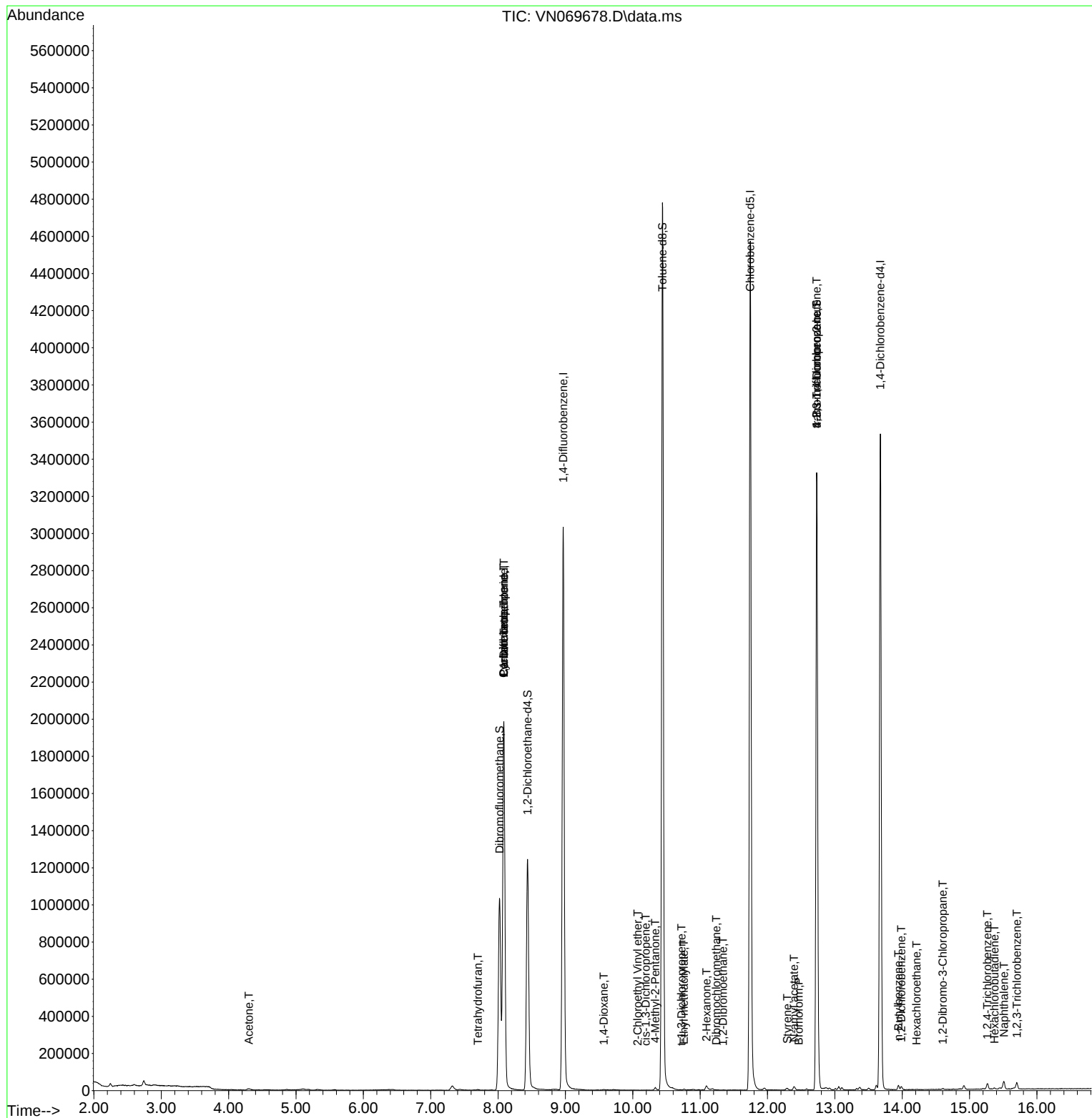
Internal Standards						
1) Pentafluorobenzene	8.086	168	1496267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2599034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2617589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	951323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1104594	50.914	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.820%			
35) Dibromofluoromethane	8.021	113	763252	48.964	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.920%			
50) Toluene-d8	10.440	98	3301315	53.849	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.700%			
62) 4-Bromofluorobenzene	12.731	95	1167775	51.851	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.700%			
Target Compounds						
					Qvalue	
13) Acrolein	4.044	56	283	Below Cal	#	51
16) Acetone	4.299	43	10935	0.934	ug/l	98
29) Tetrahydrofuran	7.699	42	2697	0.277	ug/l #	70
31) Cyclohexane	8.083	56	39059	1.318	ug/l #	39
36) 1,1-Dichloropropene	8.083	75	129002	5.899	ug/l #	49
38) Carbon Tetrachloride	8.086	117	154725	7.328	ug/l #	16
49) 1,4-Dioxane	9.569	88	373	39.868	ug/l #	38
51) 4-Methyl-2-Pentanone	10.333	43	11752	0.383	ug/l #	56
53) t-1,3-Dichloropropene	10.725	75	746	2.663	ug/l #	1
54) cis-1,3-Dichloropropene	10.191	75	369	1.745	ug/l #	52
56) Ethyl methacrylate	10.760	69	1357	2.094	ug/l #	20
58) 2-Chloroethyl Vinyl ether	10.070	63	127	22.784	ug/l #	45
59) 2-Hexanone	11.095	43	20446	8.707	ug/l	96
60) Dibromochloromethane	11.240	129	24	2.419	ug/l #	11
61) 1,2-Dibromoethane	11.339	107	149	1.079	ug/l #	50
70) Styrene	12.296	104	3574	1.579	ug/l #	89
71) Bromoform	12.465	173	159	3.438	ug/l #	29
74) N-amyl acetate	12.393	43	13779	0.429	ug/l #	89
76) 1,2,3-Trichloropropane	12.731	75	654960	29.833	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	654960	84.311	ug/l #	5
89) n-Butylbenzene	13.943	91	13236	0.267	ug/l	100
90) Hexachloroethane	14.211	117	150	2.175	ug/l #	6
91) 1,2-Dichlorobenzene	13.986	146	6861	0.240	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.603	75	1810	2.164	ug/l #	33
93) 1,2,4-Trichlorobenzene	15.265	180	9721	3.722	ug/l	93
94) Hexachlorobutadiene	15.370	225	1528	0.206	ug/l	88
95) Naphthalene	15.509	128	37743	5.265	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	12516	3.988	ug/l	98

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

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Data File : VN069678.D
Acq On : 30 Nov 2021 11:05
Operator : JC/MD
Sample : VN1130MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

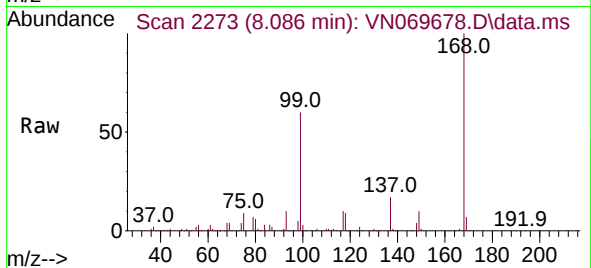
Quant Time: Dec 01 01:47:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 09 18:18:22 2021
Response via : Initial Calibration



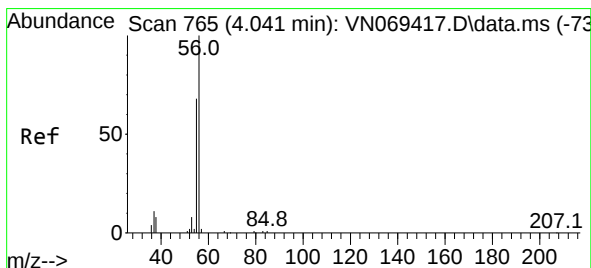
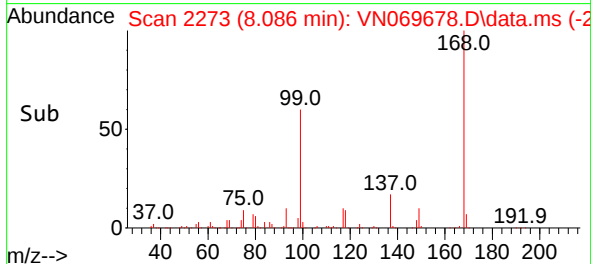
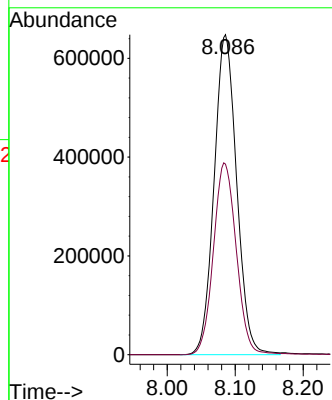


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

Instrument :
MSVOA_N
ClientSampleId :

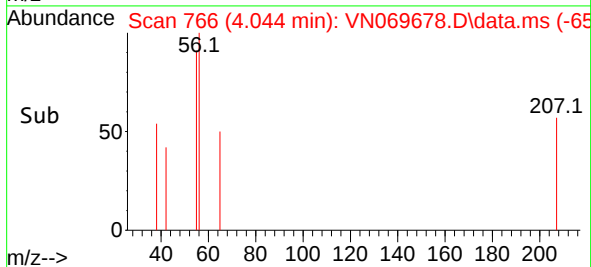
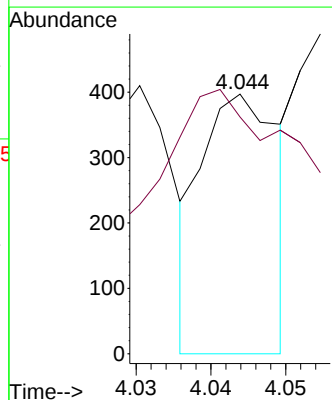
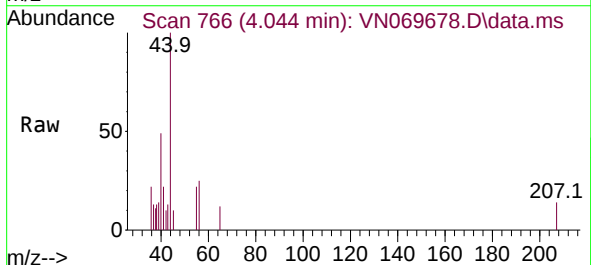


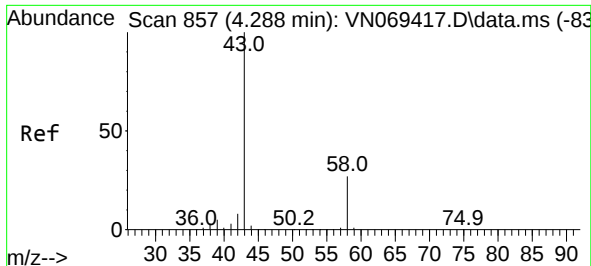
Tgt Ion:168 Resp: 1496267
Ion Ratio Lower Upper
168 100
99 59.6 41.3 61.9



#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

Tgt Ion: 56 Resp: 283
Ion Ratio Lower Upper
56 100
55 111.3 56.6 85.0#

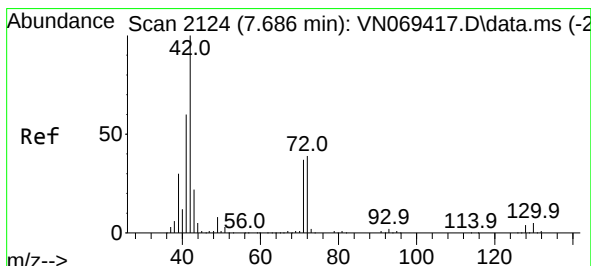
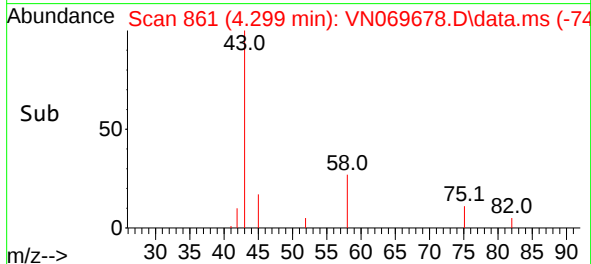
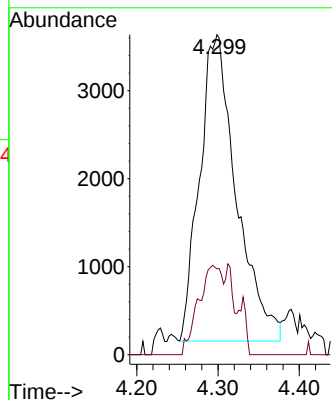
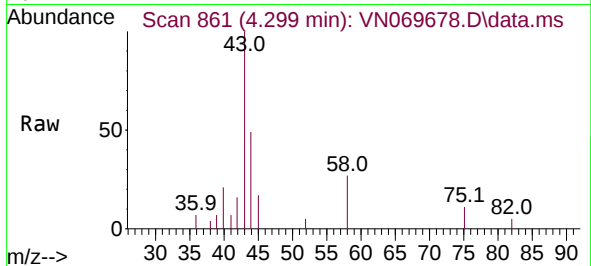




#16
Acetone
Concen: 0.934 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

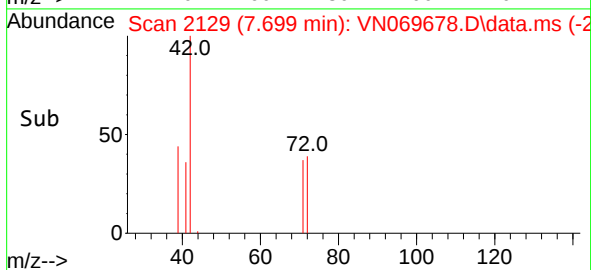
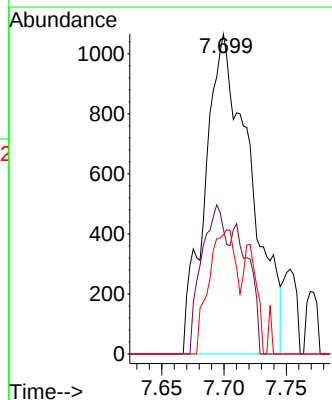
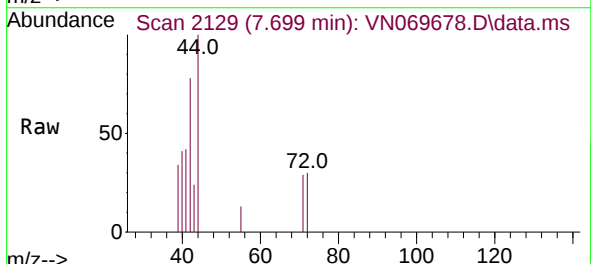
Instrument :
MSVOA_N
ClientSampleId :

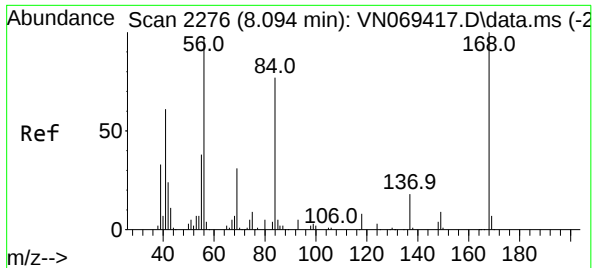
Tgt Ion: 43 Resp: 10935
Ion Ratio Lower Upper
43 100
58 28.1 23.1 34.7



#29
Tetrahydrofuran
Concen: 0.277 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.013 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

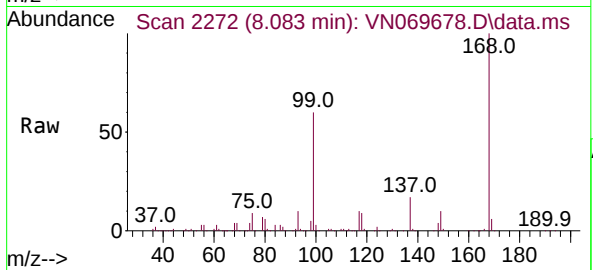
Tgt Ion: 42 Resp: 2697
Ion Ratio Lower Upper
42 100
72 26.5 36.3 54.5#
71 23.5 34.7 52.1#



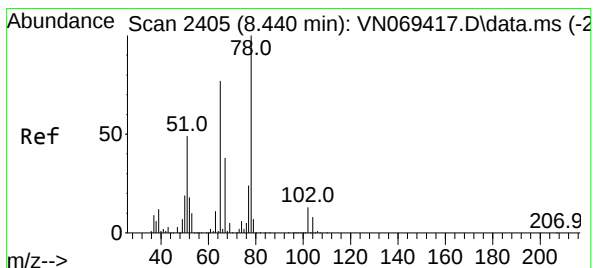
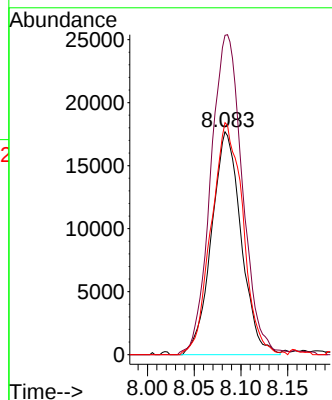
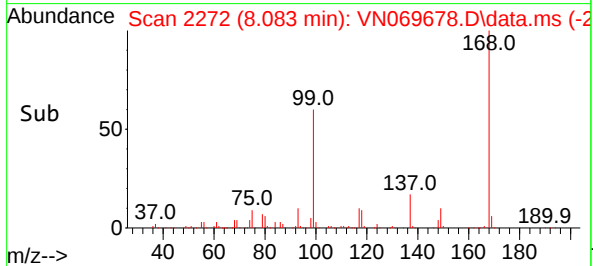


#31
Cyclohexane
Concen: 1.318 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

Instrument :
MSVOA_N
ClientSampleId :

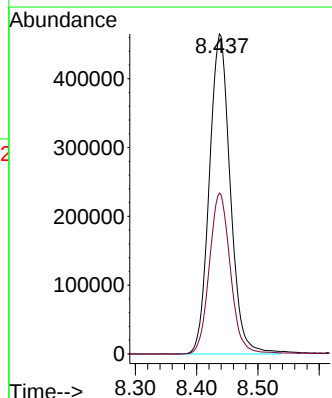
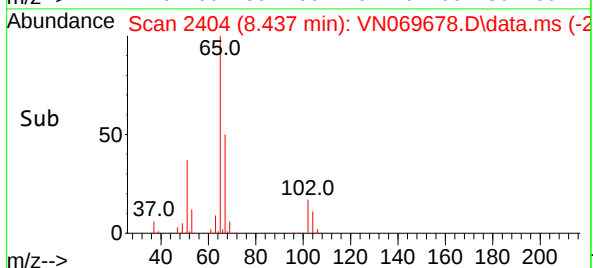
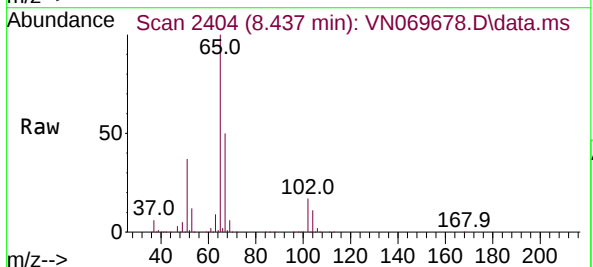


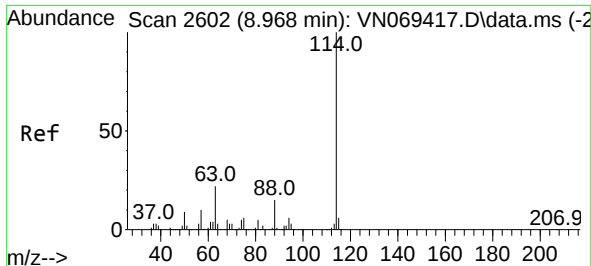
Tgt Ion: 56 Resp: 39059
Ion Ratio Lower Upper
56 100
69 142.2 27.1 40.7#
84 104.1 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 50.914 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

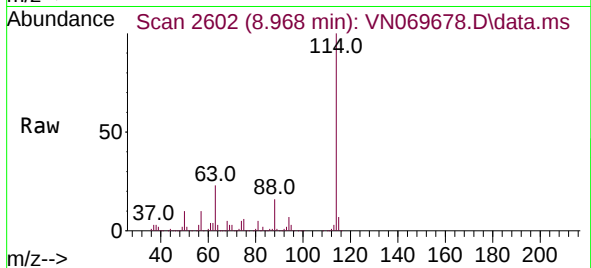
Tgt Ion: 65 Resp: 1104594
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0





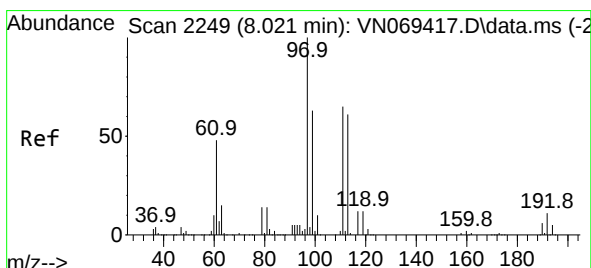
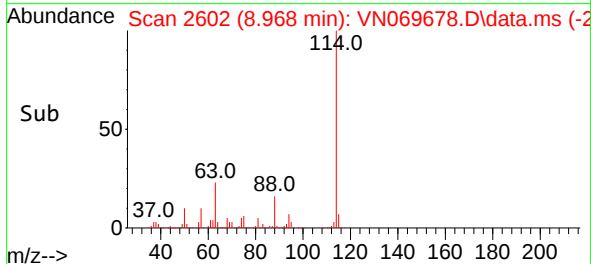
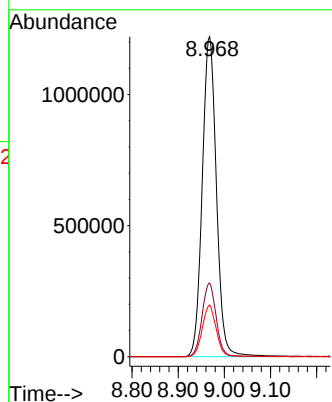
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:114 Resp: 2599034

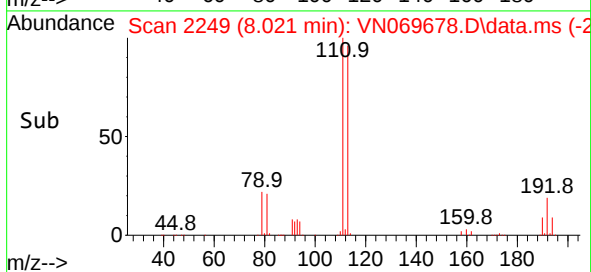
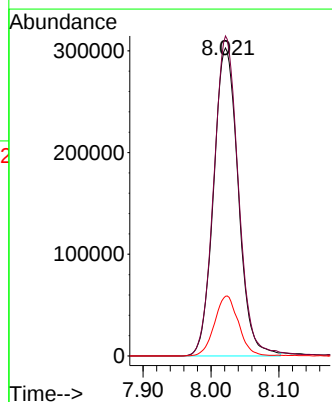
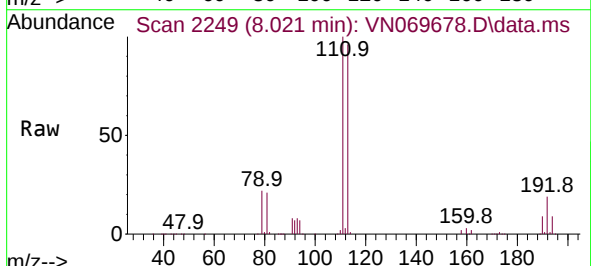
Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	37.8
88	16.1	0.0	27.4

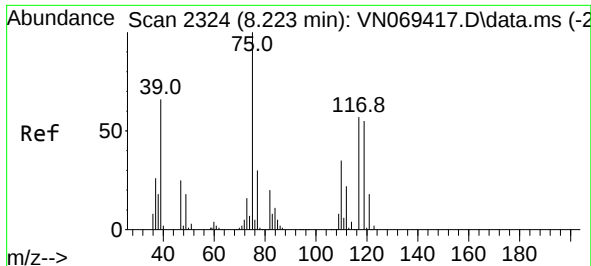


#35
Dibromofluoromethane
Concen: 48.964 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

Tgt Ion:113 Resp: 763252

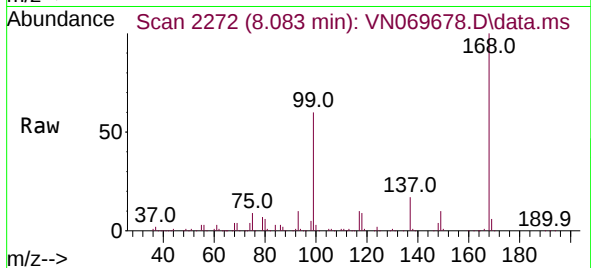
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.2	123.2
192	19.0	16.9	25.3



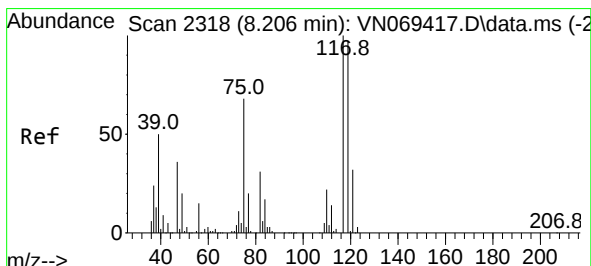
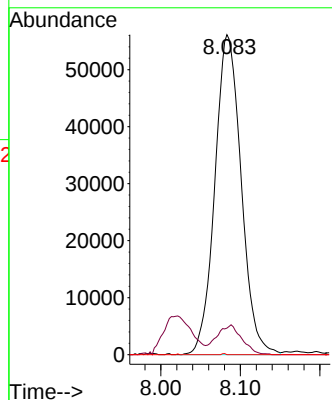
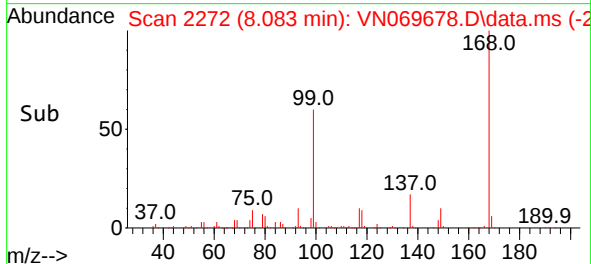


#36
1,1-Dichloropropene
Concen: 5.899 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.140 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

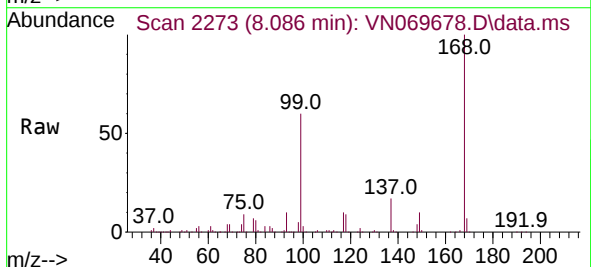
Instrument :
MSVOA_N
ClientSampleId :



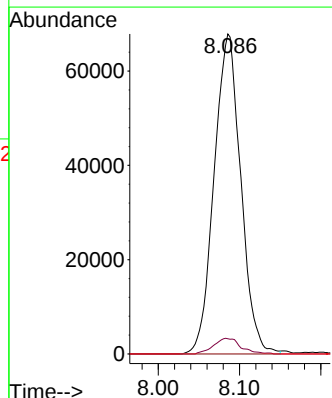
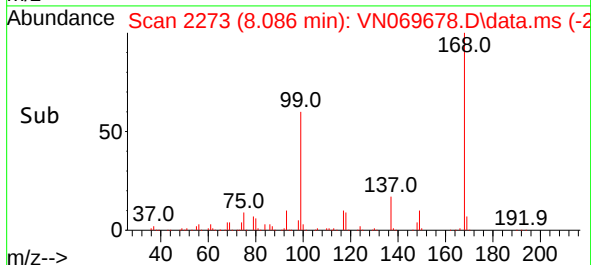
Tgt Ion: 75 Resp: 129002
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#

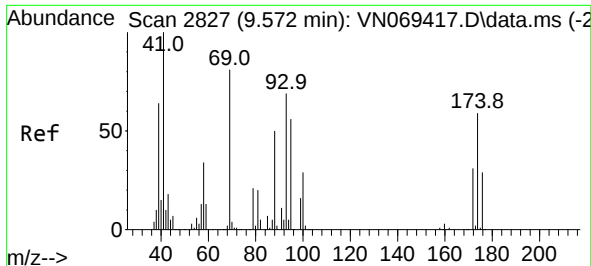


#38
Carbon Tetrachloride
Concen: 7.328 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05



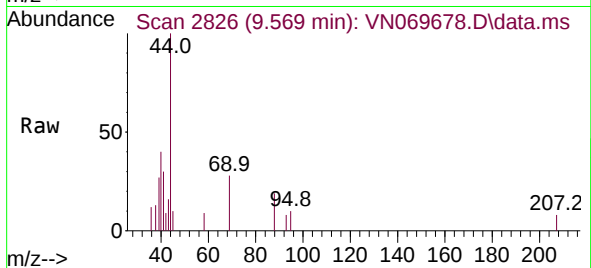
Tgt Ion: 117 Resp: 154725
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



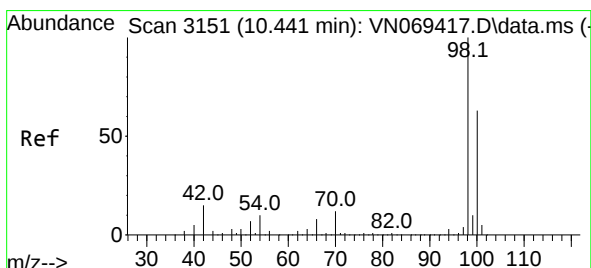
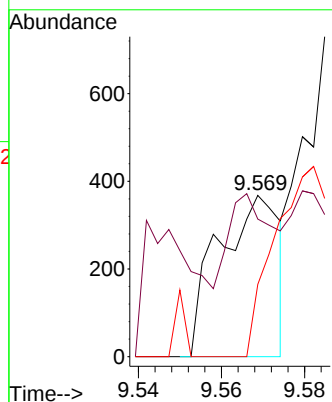
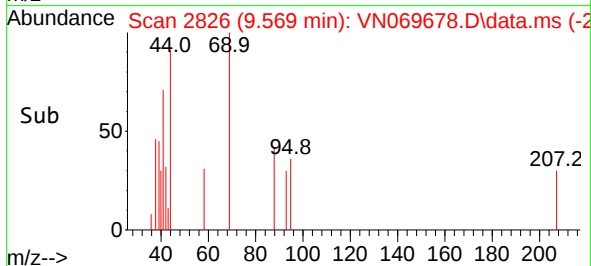


#49
1,4-Dioxane
Concen: 39.868 ug/l
RT: 9.569 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

Instrument :
MSVOA_N
ClientSampleId :

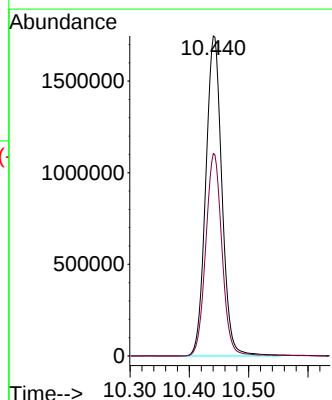
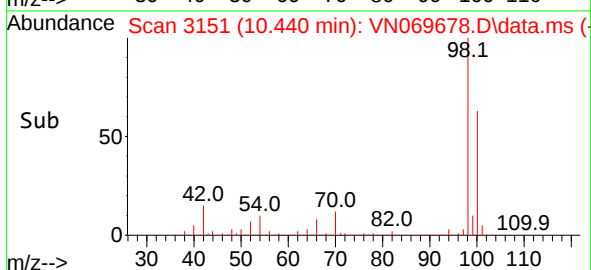
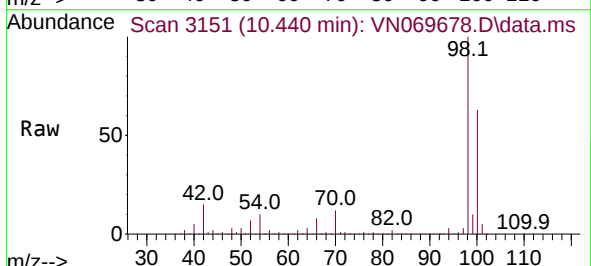


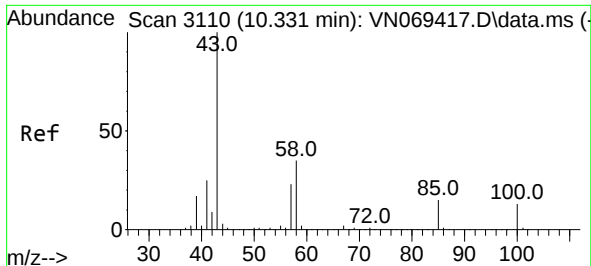
Tgt Ion: 88 Resp: 373
Ion Ratio Lower Upper
88 100
43 40.5 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 53.849 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.001 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

Tgt Ion: 98 Resp: 3301315
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6

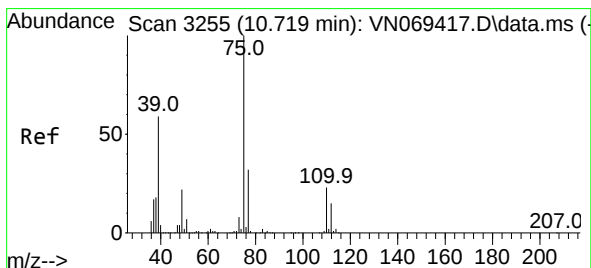
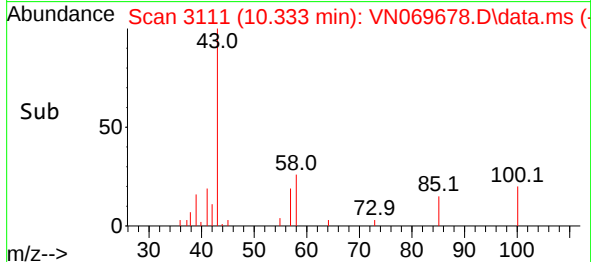
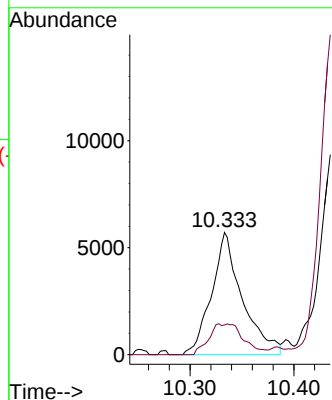
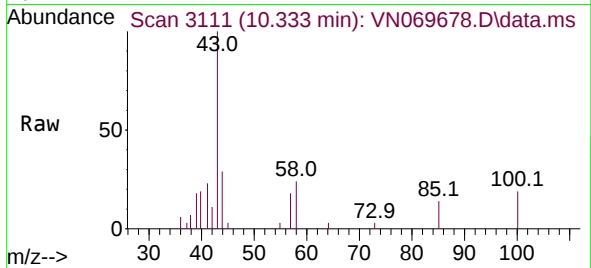




#51
4-Methyl-2-Pentanone
Concen: 0.383 ug/l
RT: 10.333 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

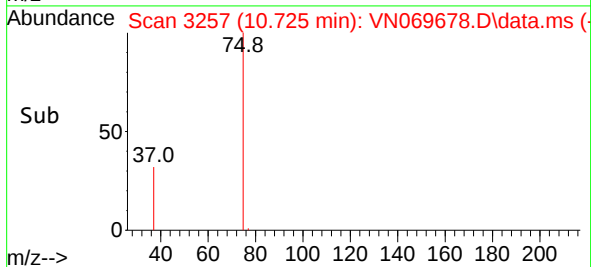
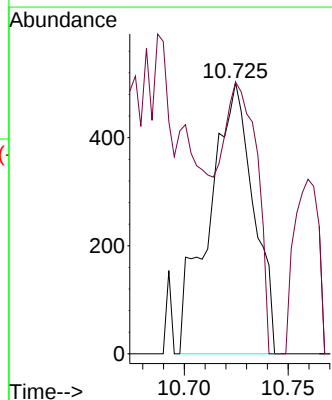
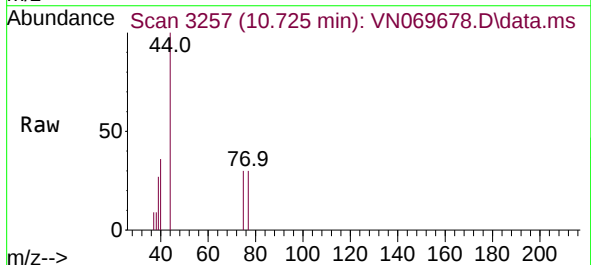
Instrument :
MSVOA_N
ClientSampleId :

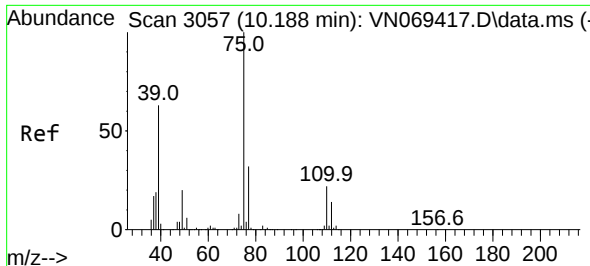
Tgt Ion: 43 Resp: 11752
Ion Ratio Lower Upper
43 100
58 11.4 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.663 ug/l
RT: 10.725 min Scan# 3257
Delta R.T. 0.006 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

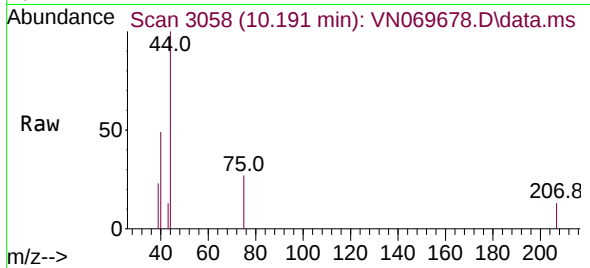
Tgt Ion: 75 Resp: 746
Ion Ratio Lower Upper
75 100
77 100.2 25.6 38.4#



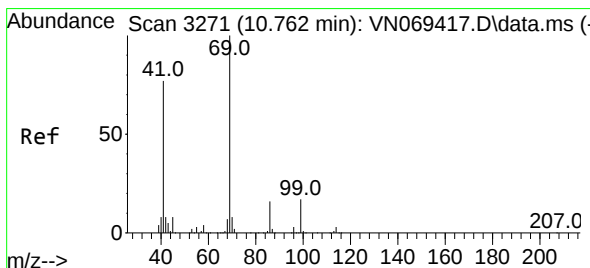
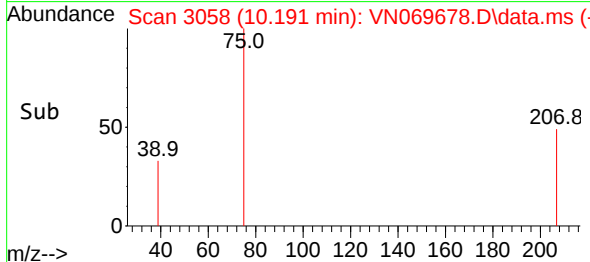
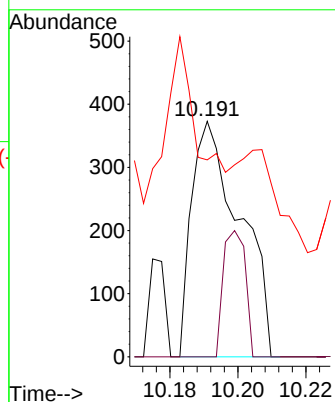


#54
 cis-1,3-Dichloropropene
 Concen: 1.745 ug/l
 RT: 10.191 min Scan# 3057
 Delta R.T. 0.003 min
 Lab File: VN069678.D
 Acq: 30 Nov 2021 11:05

Instrument :
 MSVOA_N
 ClientSampleId :

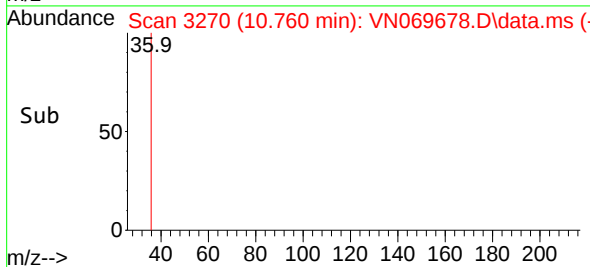
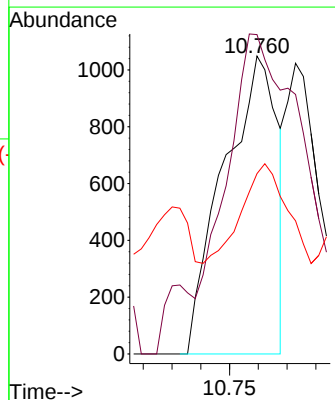
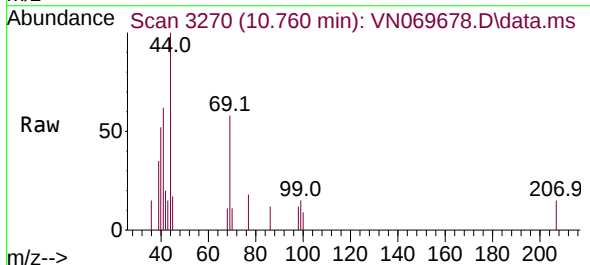


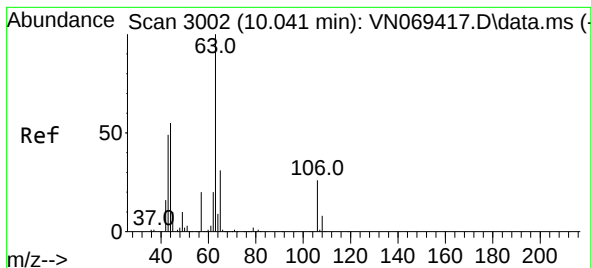
Tgt Ion: 75 Resp: 369
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 23.6 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.094 ug/l
 RT: 10.760 min Scan# 3270
 Delta R.T. -0.002 min
 Lab File: VN069678.D
 Acq: 30 Nov 2021 11:05

Tgt Ion: 69 Resp: 1357
 Ion Ratio Lower Upper
 69 100
 41 156.7 51.4 77.0#
 39 27.8 34.6 52.0#

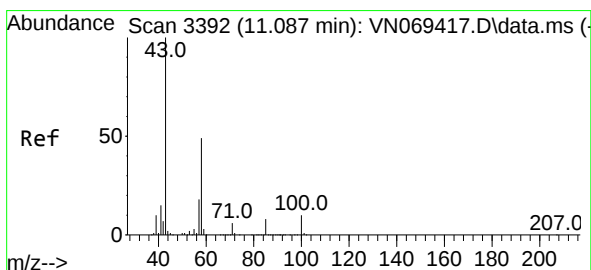
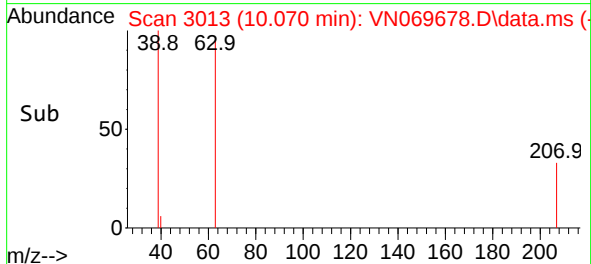
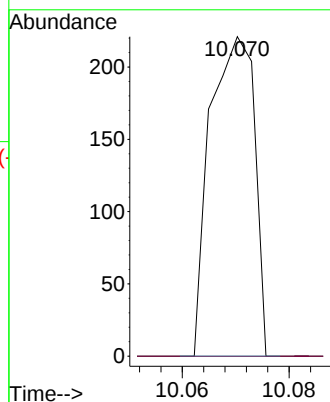
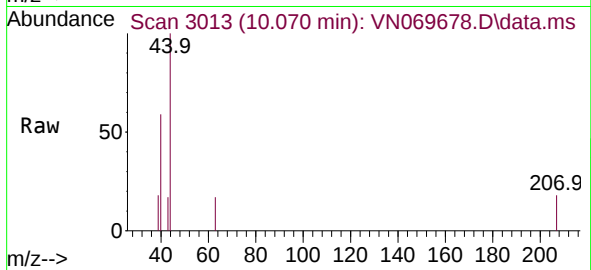




#58
2-Chloroethyl Vinyl ether
Concen: 22.784 ug/l
RT: 10.070 min Scan# 3002
Delta R.T. 0.029 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

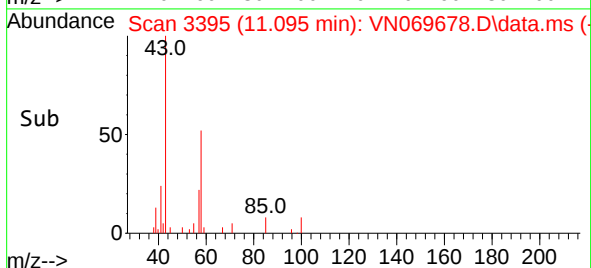
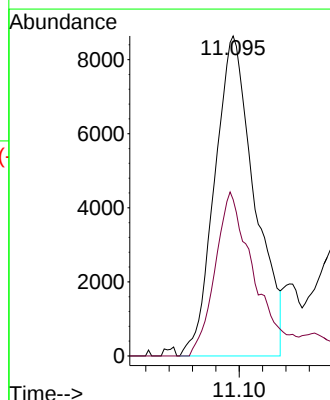
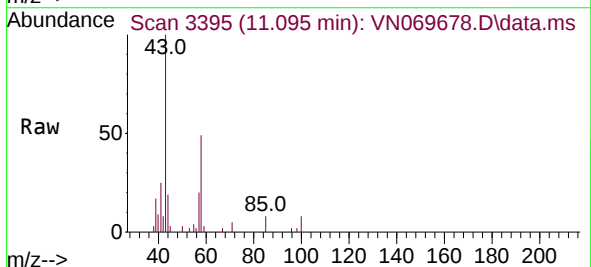
Instrument :
MSVOA_N
ClientSampleId :

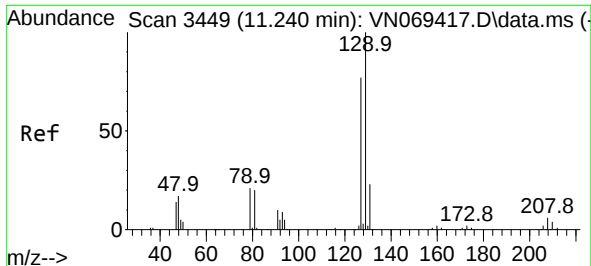
Tgt Ion: 63 Resp: 127
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 8.707 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

Tgt Ion: 43 Resp: 20446
Ion Ratio Lower Upper
43 100
58 50.9 26.9 80.7

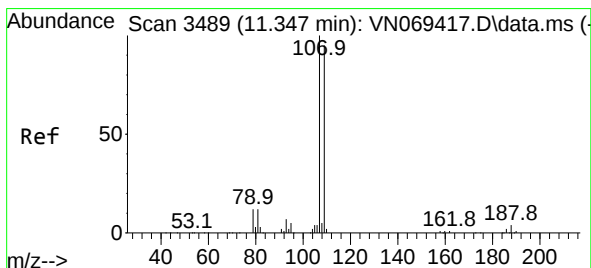
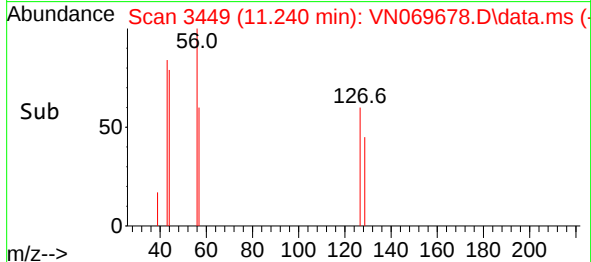
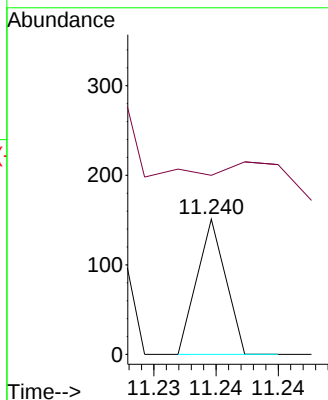
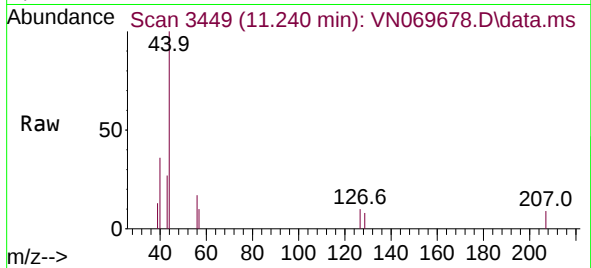




#60
Dibromochloromethane
Concen: 2.419 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. -0.000 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

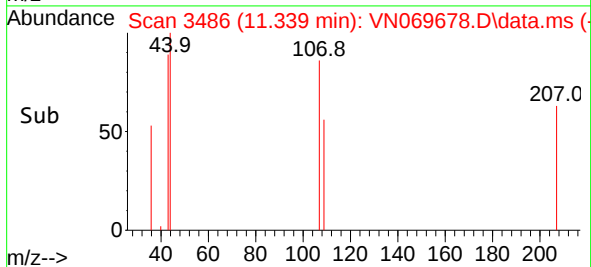
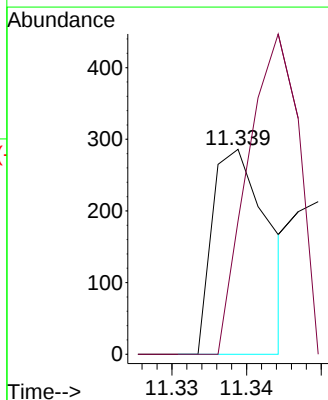
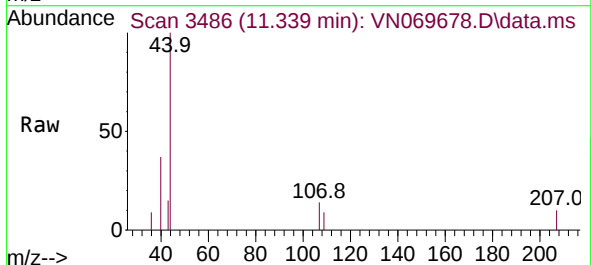
Instrument :
MSVOA_N
ClientSampleId :

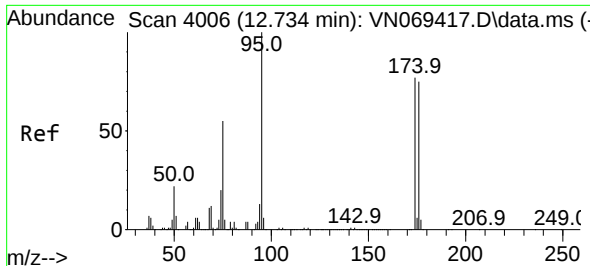
Tgt Ion:129 Resp: 24
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#61
1,2-Dibromoethane
Concen: 1.079 ug/l
RT: 11.339 min Scan# 3486
Delta R.T. -0.008 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

Tgt Ion:107 Resp: 149
Ion Ratio Lower Upper
107 100
109 143.0 75.7 113.5#

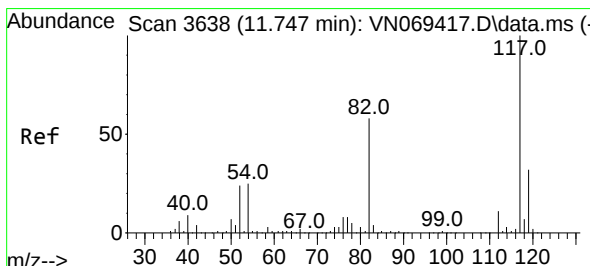
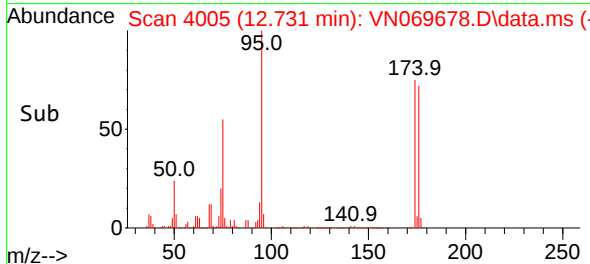
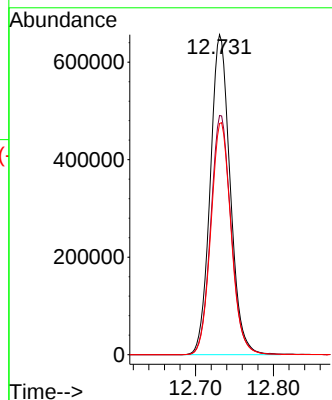
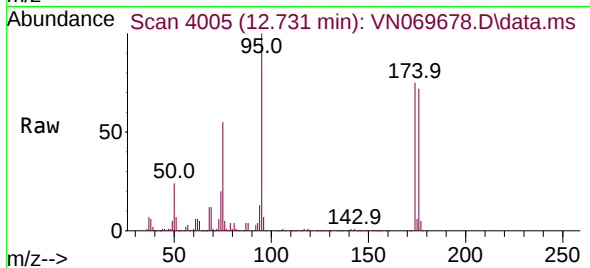




#62
4-Bromofluorobenzene
Concen: 51.851 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.003 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

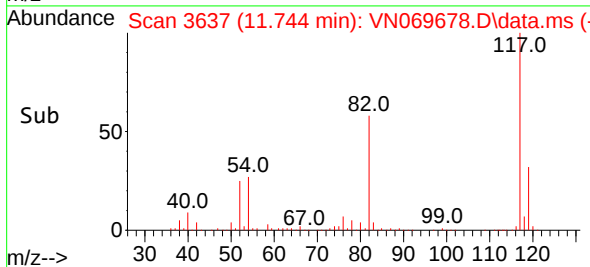
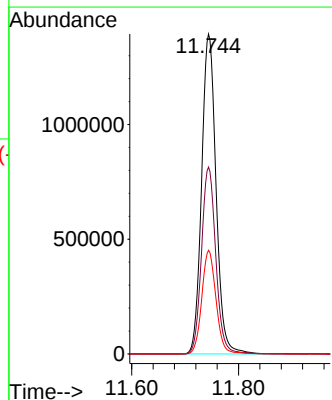
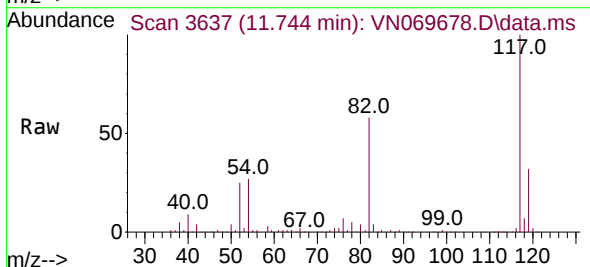
Instrument :
MSVOA_N
ClientSampleId :

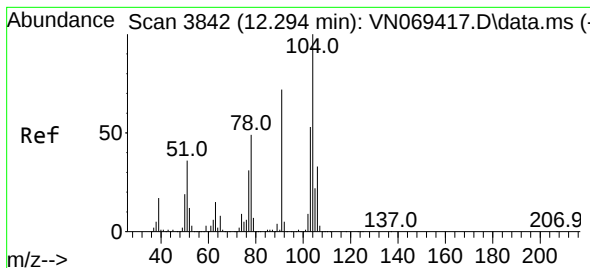
Tgt Ion: 95 Resp: 1167775
Ion Ratio Lower Upper
95 100
174 76.2 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

Tgt Ion: 117 Resp: 2617589
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 32.4 25.4 38.2





#70

Styrene

Concen: 1.579 ug/l

RT: 12.296 min Scan# 3842

Delta R.T. 0.002 min

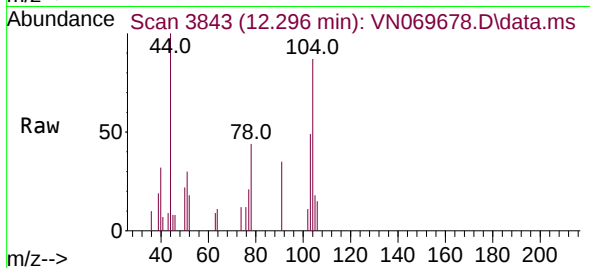
Lab File: VN069678.D

Acq: 30 Nov 2021 11:05

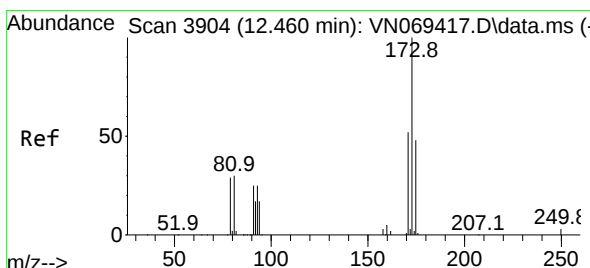
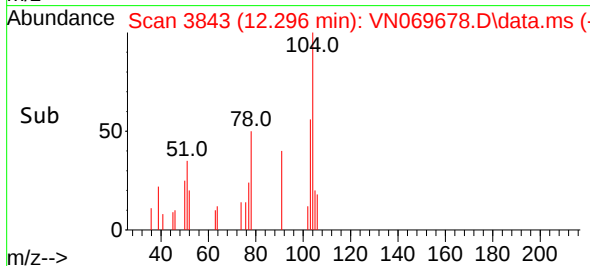
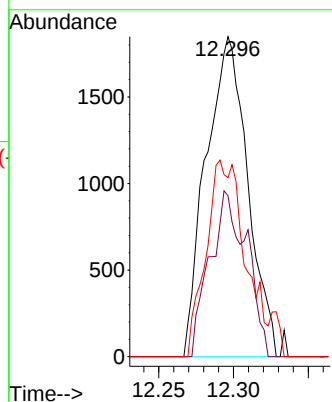
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	104	Resp:	3574
Ion Ratio	Lower	Upper	
104	100		
78	34.0	38.7	58.1#
103	57.7	45.0	67.6



#71

Bromoform

Concen: 3.438 ug/l

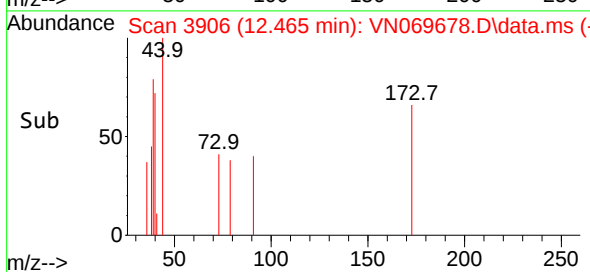
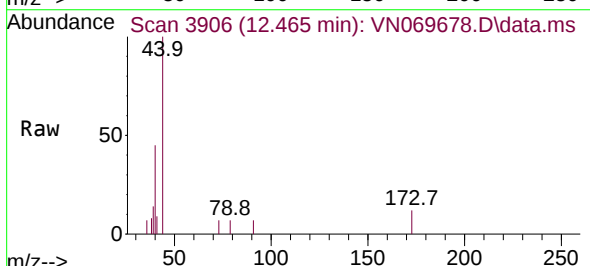
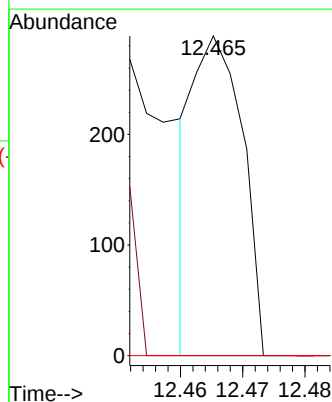
RT: 12.465 min Scan# 3906

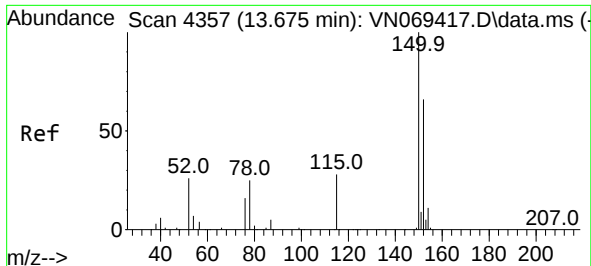
Delta R.T. 0.005 min

Lab File: VN069678.D

Acq: 30 Nov 2021 11:05

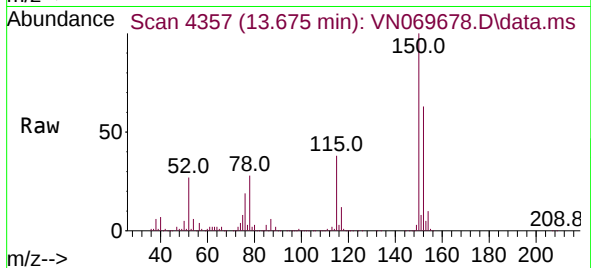
Tgt Ion:	173	Resp:	159
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.2	72.6#
254	0.0	0.0	0.0



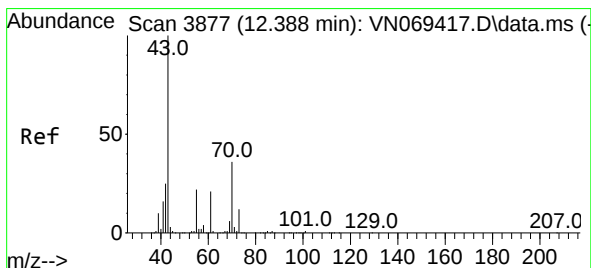
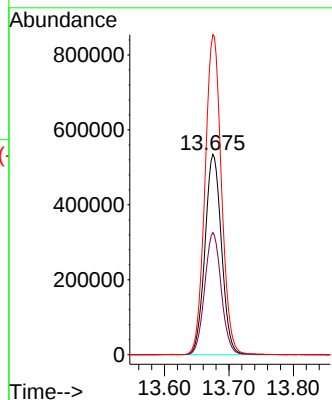
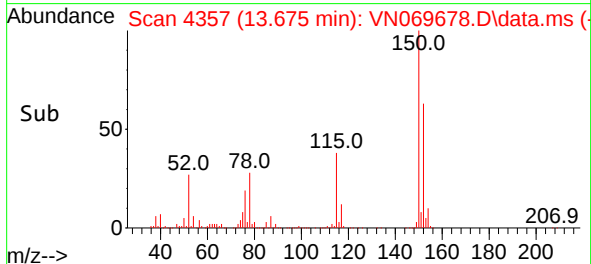


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VN069678.D
 Acq: 30 Nov 2021 11:05

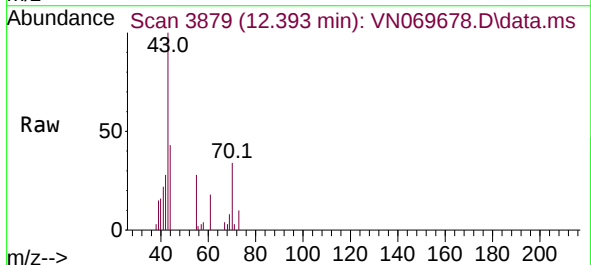
Instrument :
 MSVOA_N
 ClientSampleId :



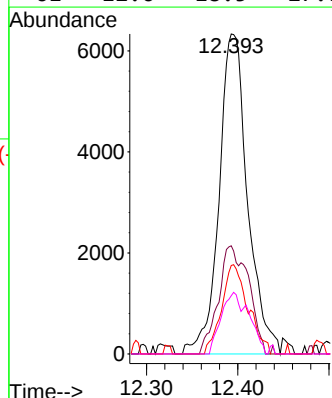
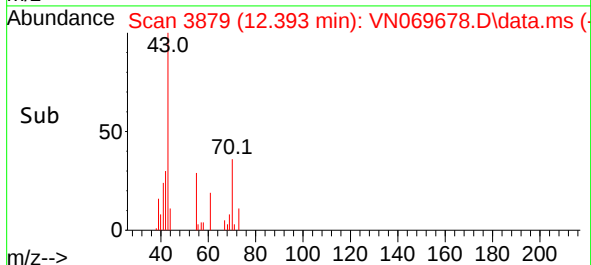
Tgt Ion:152 Resp: 951323
 Ion Ratio Lower Upper
 152 100
 115 60.9 27.5 82.5
 150 159.1 0.0 344.4

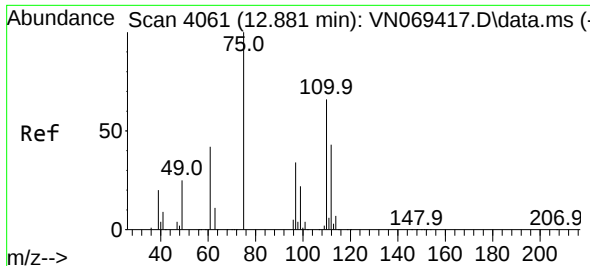


#74
 N-ethyl acetate
 Concen: 0.429 ug/l
 RT: 12.393 min Scan# 3879
 Delta R.T. 0.005 min
 Lab File: VN069678.D
 Acq: 30 Nov 2021 11:05



Tgt Ion: 43 Resp: 13779
 Ion Ratio Lower Upper
 43 100
 70 35.8 33.4 50.0
 55 25.9 19.3 28.9
 61 12.6 18.5 27.7#

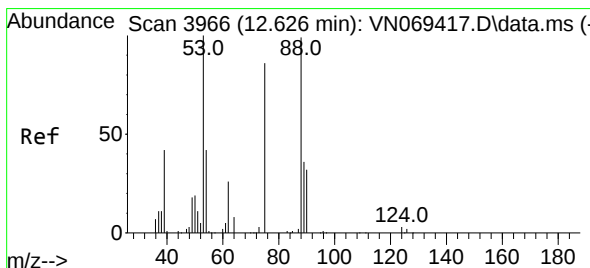
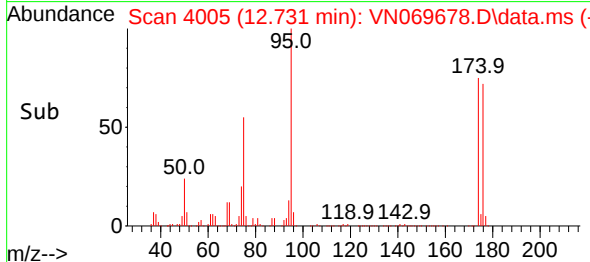
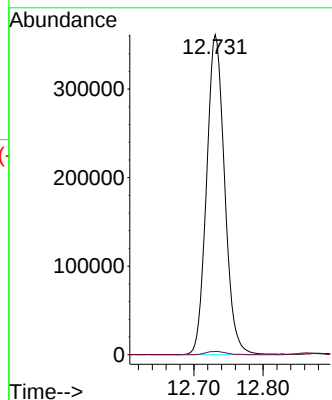
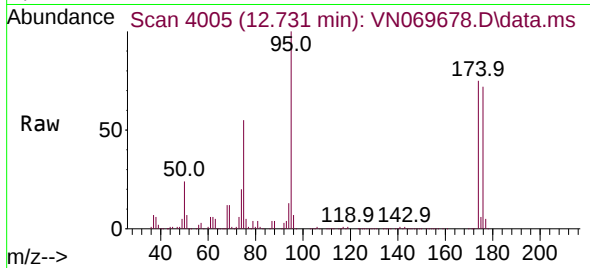




#76
1,2,3-Trichloropropane
Concen: 29.833 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

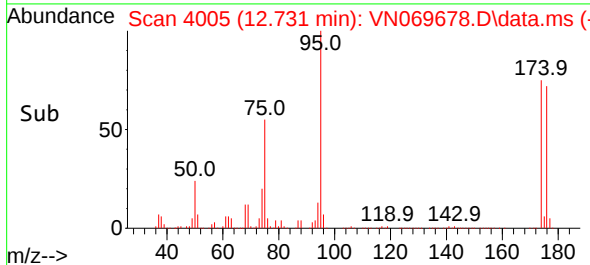
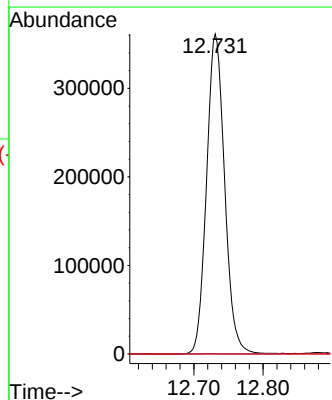
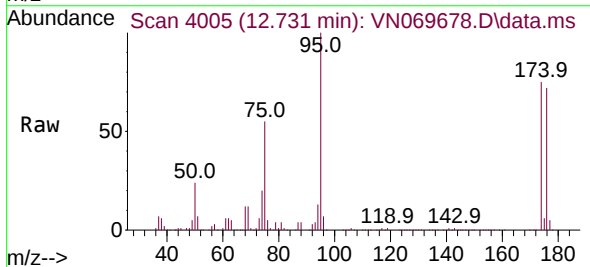
Instrument :
MSVOA_N
ClientSampleId :

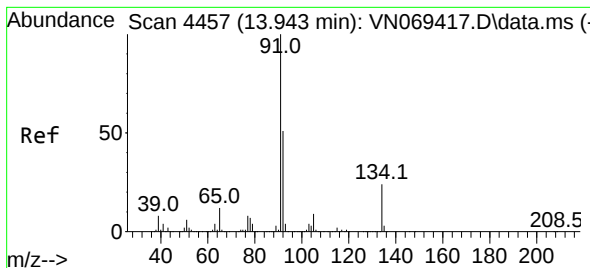
Tgt Ion: 75 Resp: 654960
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.311 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

Tgt Ion: 75 Resp: 654960
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#89

n-Butylbenzene

Concen: 0.267 ug/l

RT: 13.943 min Scan# 4457

Delta R.T. 0.000 min

Lab File: VN069678.D

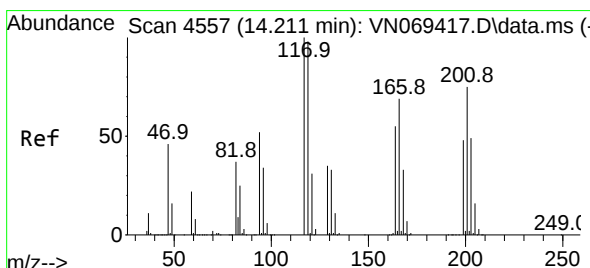
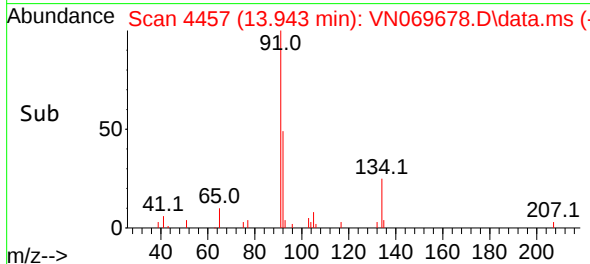
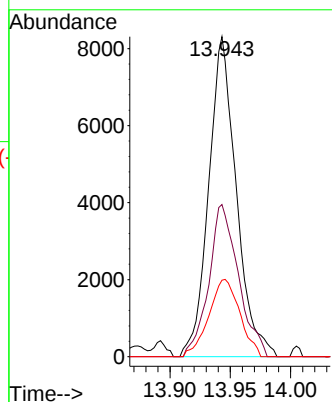
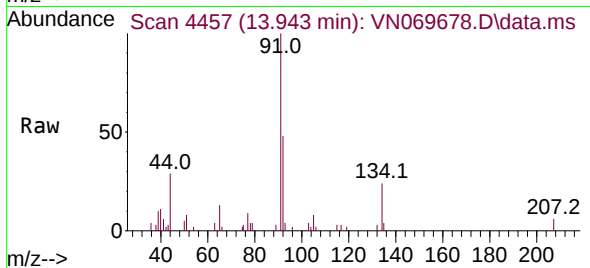
Acq: 30 Nov 2021 11:05

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	91	Resp:	13236
Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.4	76.0
134	27.1	13.6	40.8



#90

Hexachloroethane

Concen: 2.175 ug/l

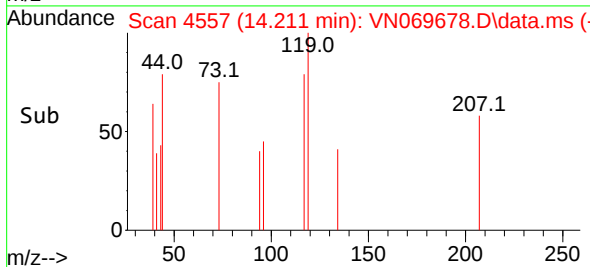
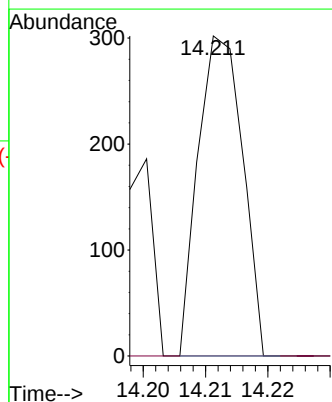
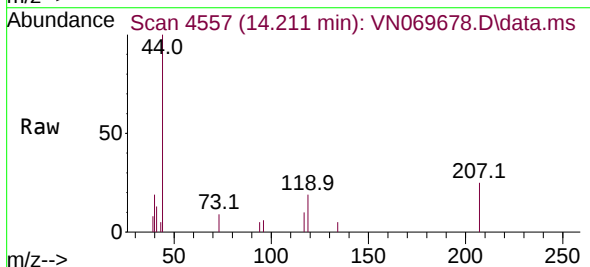
RT: 14.211 min Scan# 4557

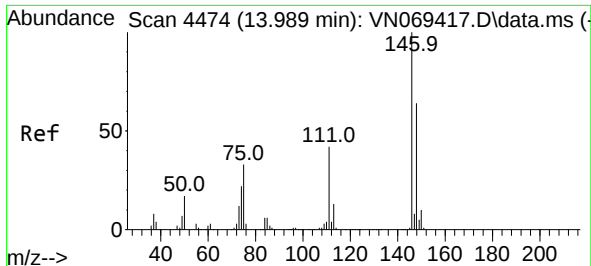
Delta R.T. 0.000 min

Lab File: VN069678.D

Acq: 30 Nov 2021 11:05

Tgt Ion:	117	Resp:	150
Ion	Ratio	Lower	Upper
117	100		
201	0.0	43.9	131.6#





#91

1,2-Dichlorobenzene

Concen: 0.240 ug/l

RT: 13.986 min Scan# 4474

Delta R.T. -0.003 min

Lab File: VN069678.D

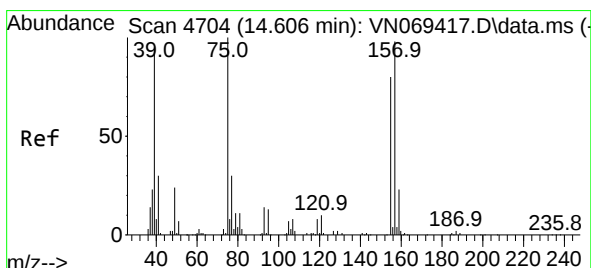
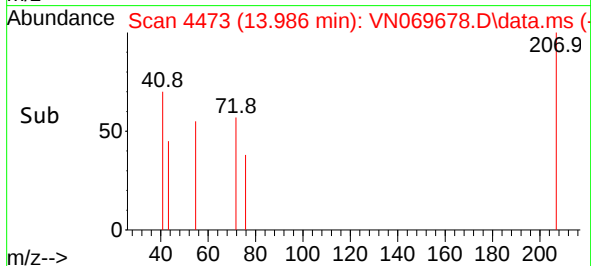
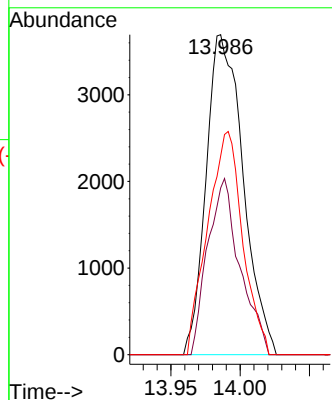
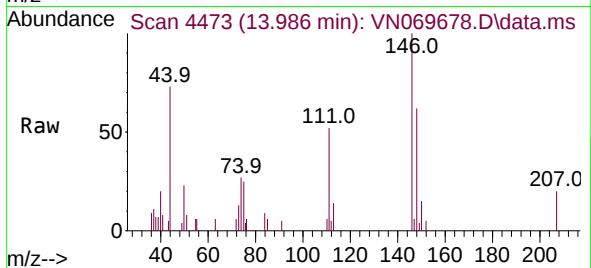
Acq: 30 Nov 2021 11:05

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	146	Resp:	6861
Ion	Ratio	Lower	Upper
146	100		
111	48.0	19.1	57.3
148	66.0	32.1	96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.164 ug/l

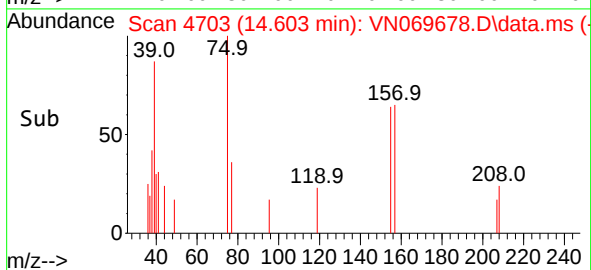
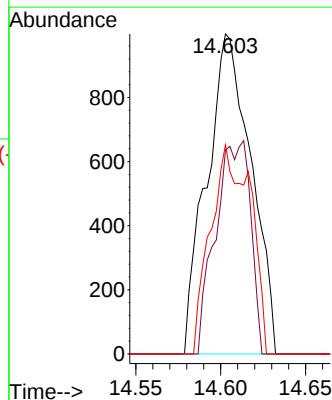
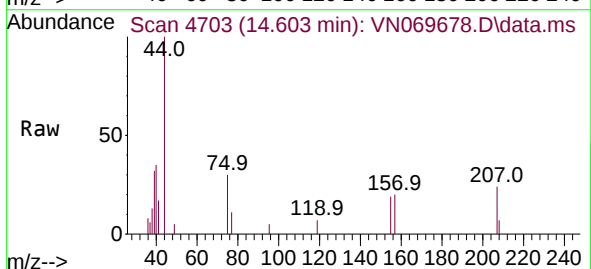
RT: 14.603 min Scan# 4703

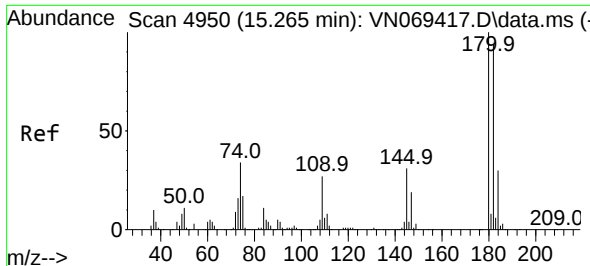
Delta R.T. -0.003 min

Lab File: VN069678.D

Acq: 30 Nov 2021 11:05

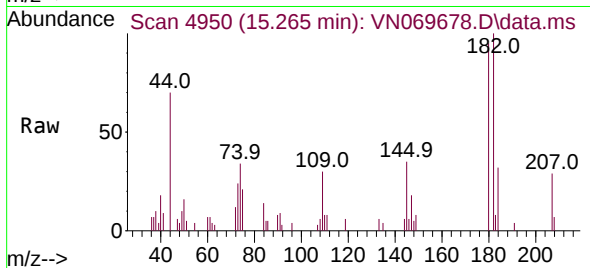
Tgt Ion:	75	Resp:	1810
Ion	Ratio	Lower	Upper
75	100		
155	31.5	46.9	140.7#
157	44.8	60.6	181.7#





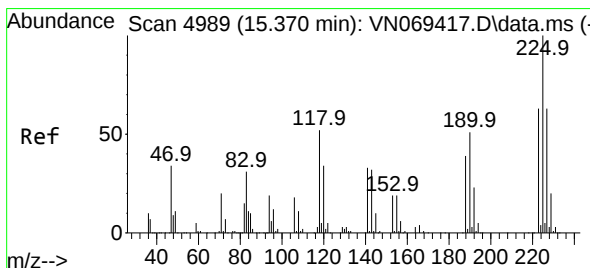
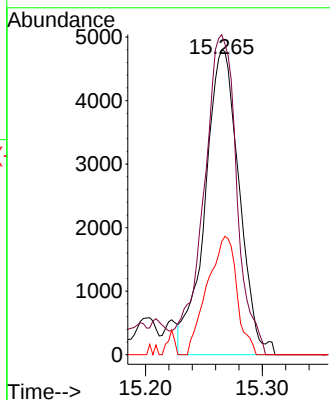
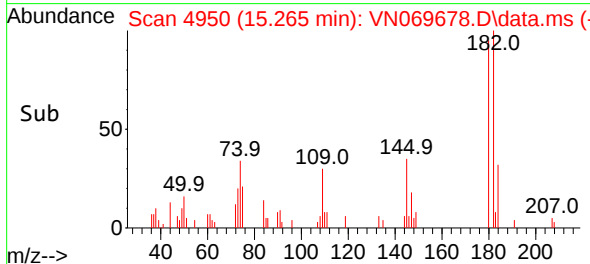
#93
 1,2,4-Trichlorobenzene
 Concen: 3.722 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN069678.D
 Acq: 30 Nov 2021 11:05

Instrument :
 MSVOA_N
 ClientSampleId :

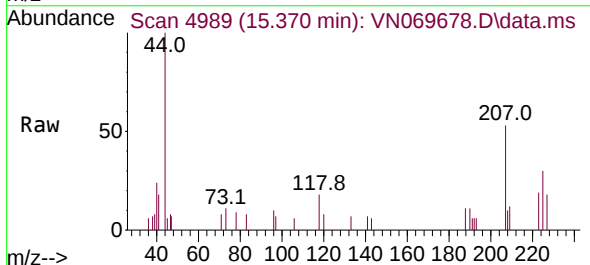


Tgt Ion:180 Resp: 9721

Ion	Ratio	Lower	Upper
180	100		
182	102.5	48.3	144.9
145	33.6	14.5	43.5

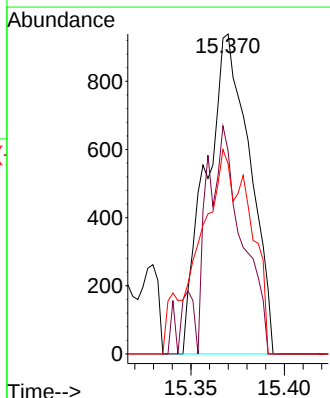
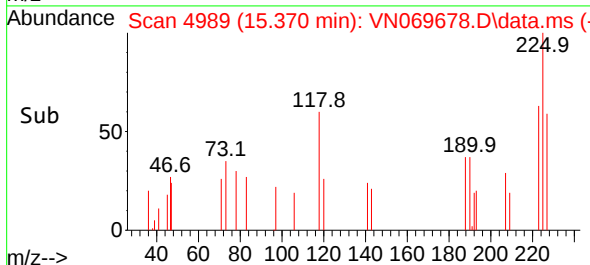


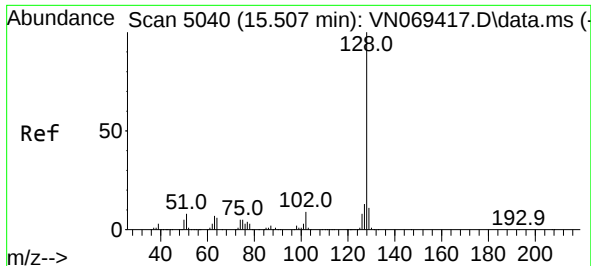
#94
 Hexachlorobutadiene
 Concen: 0.206 ug/l
 RT: 15.370 min Scan# 4989
 Delta R.T. -0.000 min
 Lab File: VN069678.D
 Acq: 30 Nov 2021 11:05



Tgt Ion:225 Resp: 1528

Ion	Ratio	Lower	Upper
225	100		
223	55.7	31.9	95.7
227	75.1	32.1	96.3

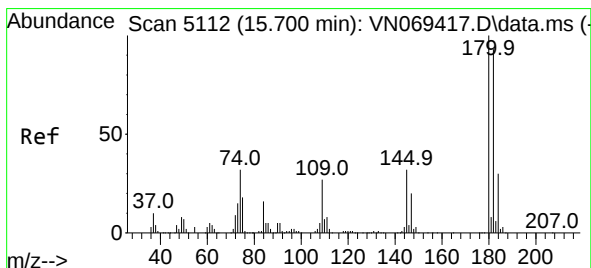
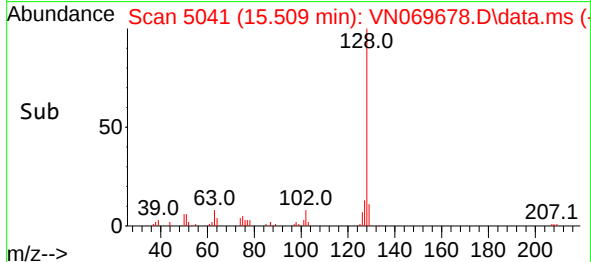
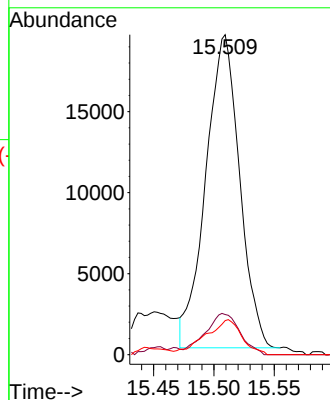
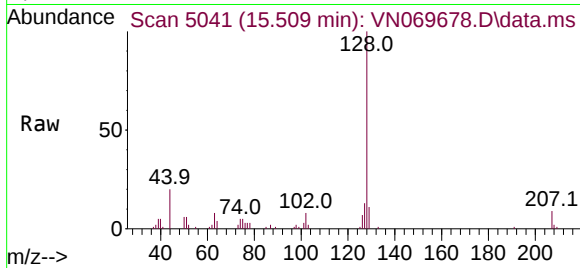




#95
Naphthalene
Concen: 5.265 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	12.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.988 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.002 min
Lab File: VN069678.D
Acq: 30 Nov 2021 11:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.4	142.2
145	29.0	15.0	45.1

