

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112921\
 Data File : VN069660.D
 Acq On : 29 Nov 2021 12:46
 Operator : JC/MD
 Sample : VN1129WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 30 04:16:03 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

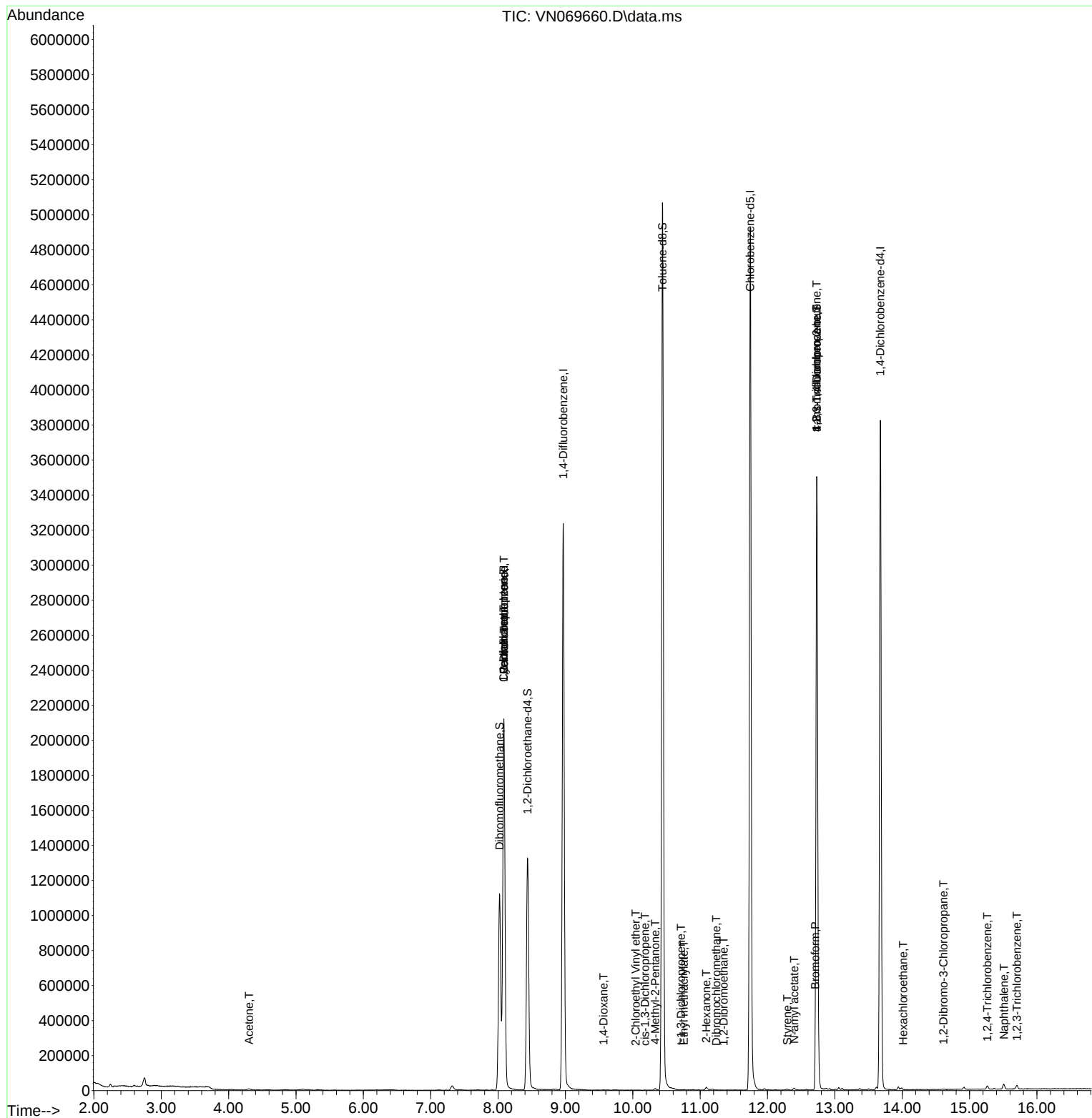
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1582371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2747709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2781118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1026399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1167360	50.880	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.760%	
35) Dibromofluoromethane	8.024	113	805200	48.860	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.720%	
50) Toluene-d8	10.440	98	3495597	53.933	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.860%	
62) 4-Bromofluorobenzene	12.731	95	1257877	52.829	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 105.660%	
Target Compounds						Qvalue
13) Acrolein	4.044	56	2240	Below Cal	#	62
16) Acetone	4.304	43	10811	0.873	ug/l #	79
31) Cyclohexane	8.083	56	40276	1.285	ug/l #	30
36) 1,1-Dichloropropene	8.083	75	134750	5.828	ug/l #	49
38) Carbon Tetrachloride	8.086	117	163755	7.336	ug/l #	16
49) 1,4-Dioxane	9.566	88	290	39.654	ug/l #	48
51) 4-Methyl-2-Pentanone	10.336	43	7630	0.235	ug/l	89
53) t-1,3-Dichloropropene	10.714	75	142	2.642	ug/l	98
54) cis-1,3-Dichloropropene	10.183	75	448	1.747	ug/l #	57
56) Ethyl methacrylate	10.757	69	959	2.080	ug/l #	71
58) 2-Chloroethyl Vinyl ether	10.043	63	24	22.773	ug/l #	45
59) 2-Hexanone	11.092	43	14852	8.467	ug/l	87
60) Dibromochloromethane	11.240	129	52	2.420	ug/l	67
61) 1,2-Dibromoethane	11.350	107	201	1.081	ug/l #	31
70) Styrene	12.294	104	1960	1.551	ug/l #	82
71) Bromoform	12.707	173	226	3.441	ug/l #	29
74) N-amyl acetate	12.395	43	7468	0.216	ug/l #	86
76) 1,2,3-Trichloropropane	12.731	75	700655	29.580	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	700655	83.645	ug/l #	5
90) Hexachloroethane	14.015	117	25	2.164	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.611	75	469	1.885	ug/l	97
93) 1,2,4-Trichlorobenzene	15.265	180	5937	3.458	ug/l	97
95) Naphthalene	15.509	128	26270	4.976	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	6957	3.591	ug/l	89

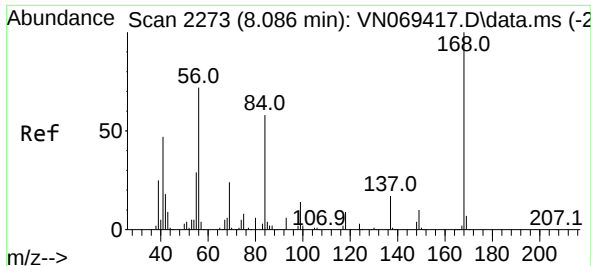
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN069660.D
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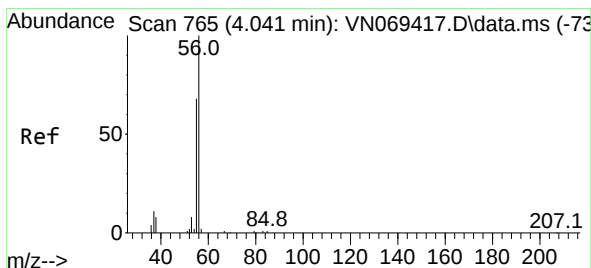
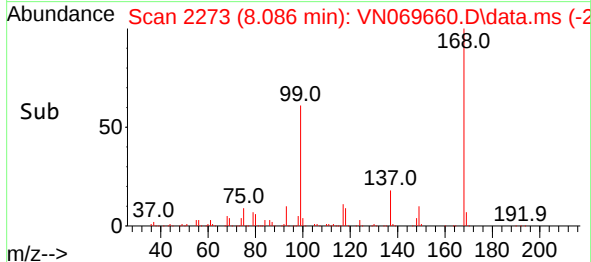
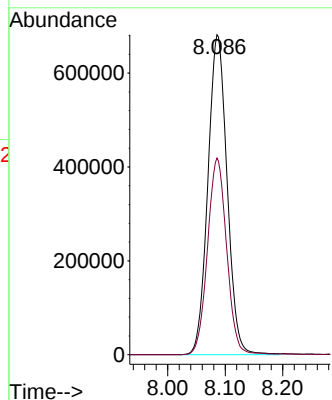
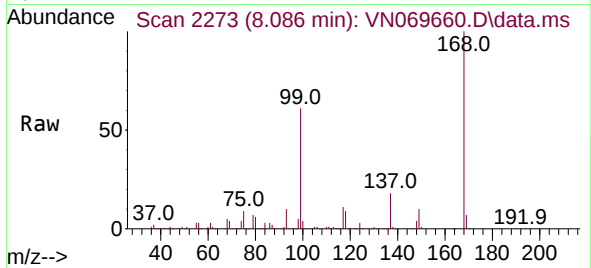




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

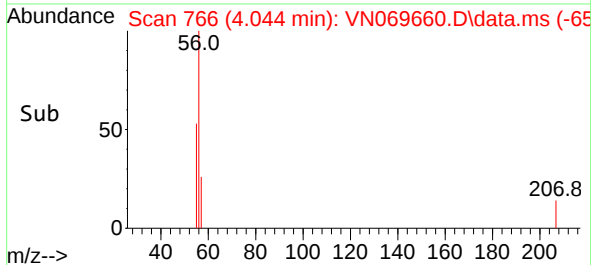
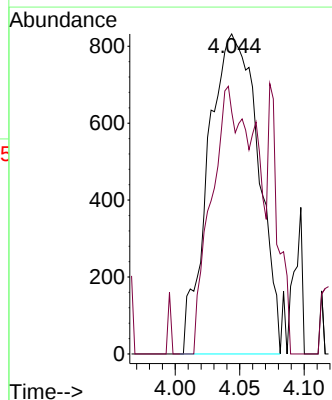
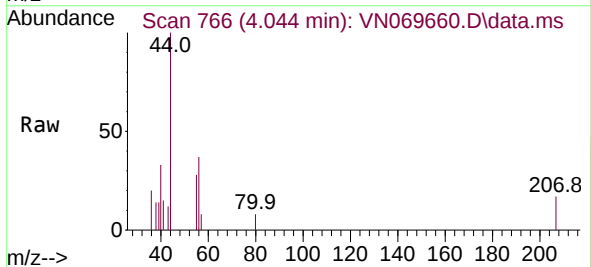
Instrument :
MSVOA_N
ClientSampleId :

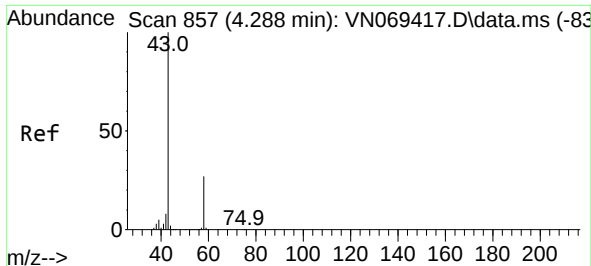
Tgt Ion:168 Resp: 1582371
Ion Ratio Lower Upper
168 100
99 61.4 41.3 61.9



#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Tgt Ion: 56 Resp: 2240
Ion Ratio Lower Upper
56 100
55 39.8 56.6 85.0#

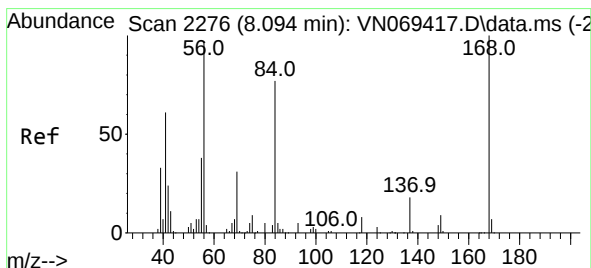
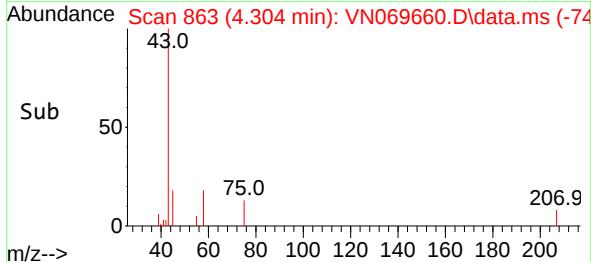
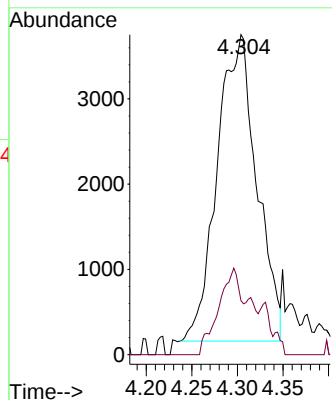
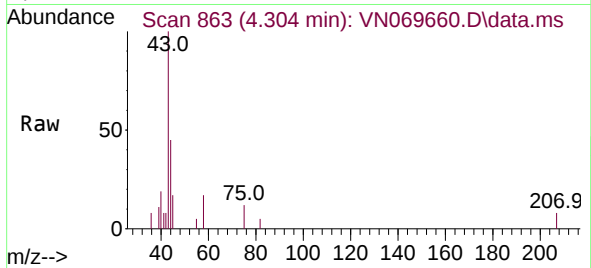




#16
Acetone
Concen: 0.873 ug/l
RT: 4.304 min Scan# 80
Delta R.T. 0.016 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

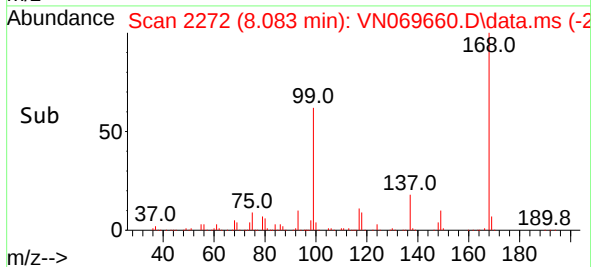
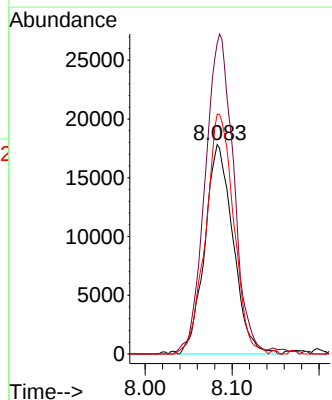
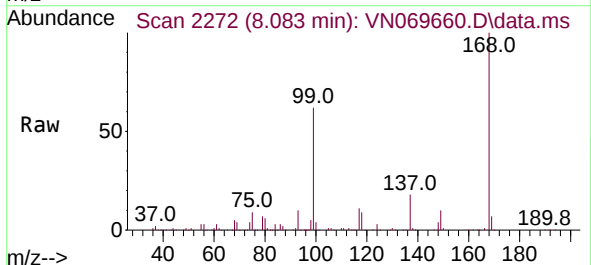
Instrument :
MSVOA_N
ClientSampleId :

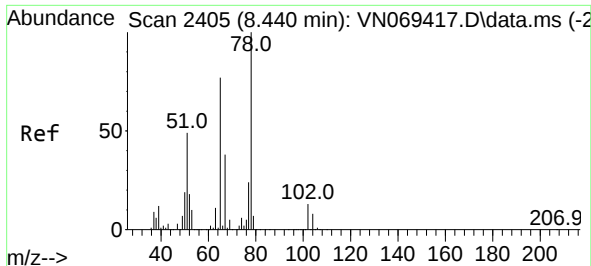
Tgt Ion: 43 Resp: 10811
Ion Ratio Lower Upper
43 100
58 17.6 23.1 34.7#



#31
Cyclohexane
Concen: 1.285 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Tgt Ion: 56 Resp: 40276
Ion Ratio Lower Upper
56 100
69 146.2 27.1 40.7#
84 114.5 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 50.880 ug/l

RT: 8.437 min Scan# 2405

Delta R.T. -0.003 min

Lab File: VN069660.D

Acq: 29 Nov 2021 12:46

Instrument :

MSVOA_N

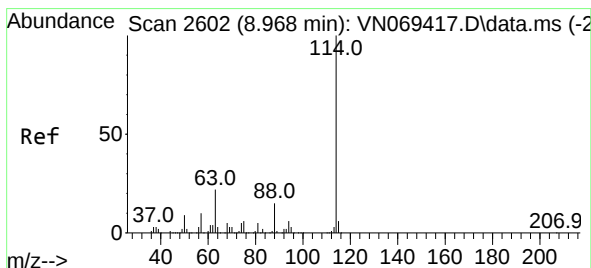
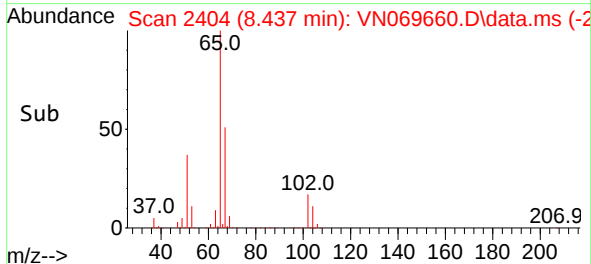
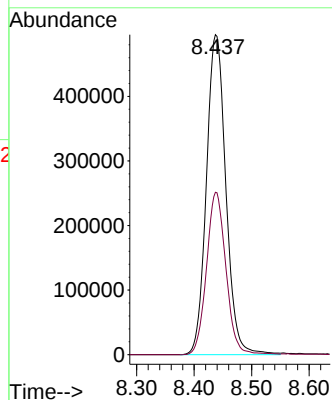
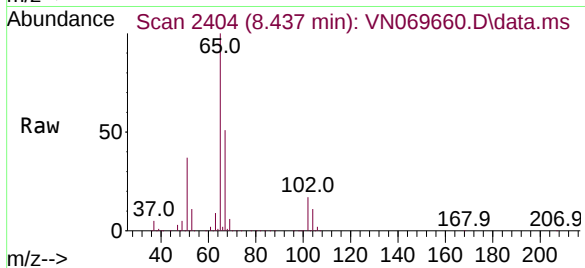
ClientSampleId :

Tgt Ion: 65 Resp: 1167360

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: VN069660.D

Acq: 29 Nov 2021 12:46

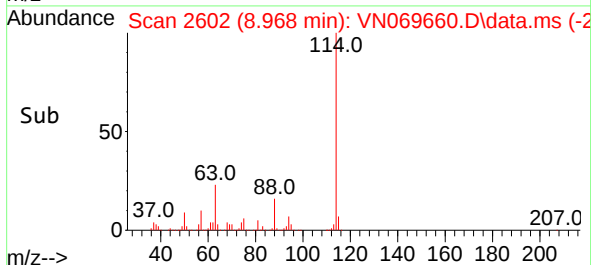
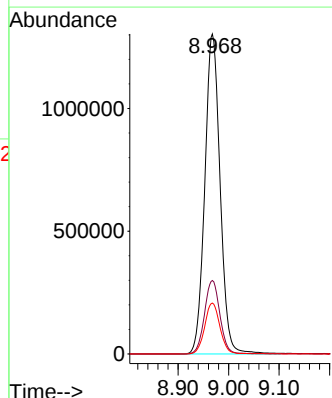
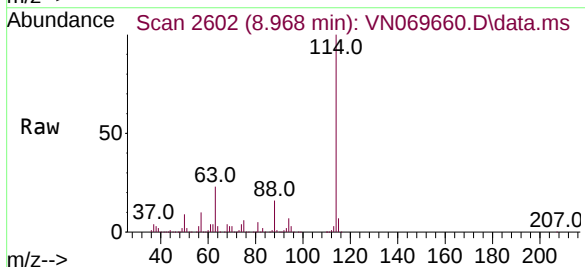
Tgt Ion: 114 Resp: 2747709

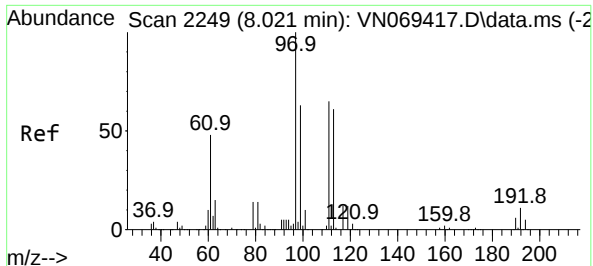
Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.8

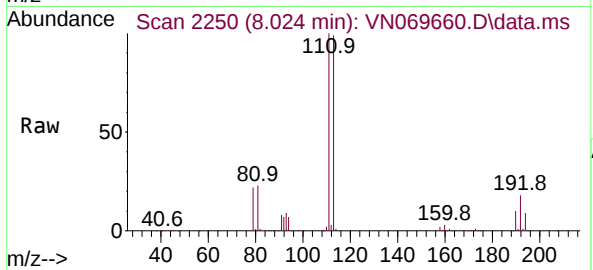
88 15.9 0.0 27.4



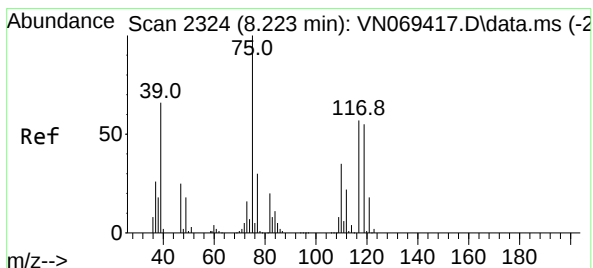
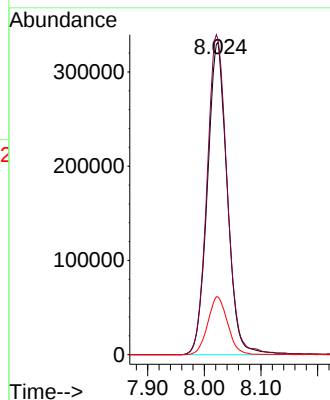
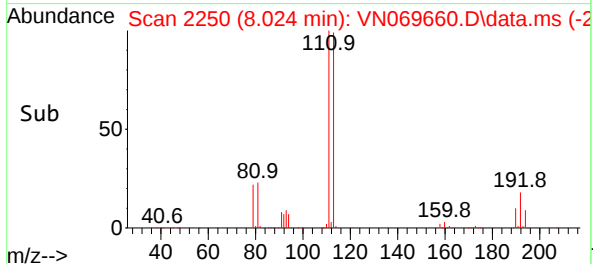


#35
Dibromofluoromethane
Concen: 48.860 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.003 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Instrument :
MSVOA_N
ClientSampleId :

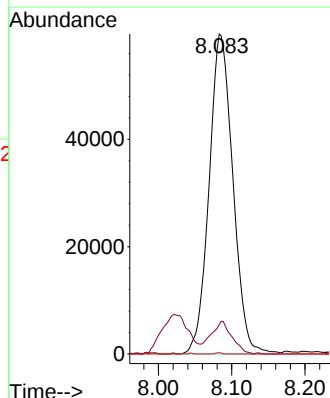
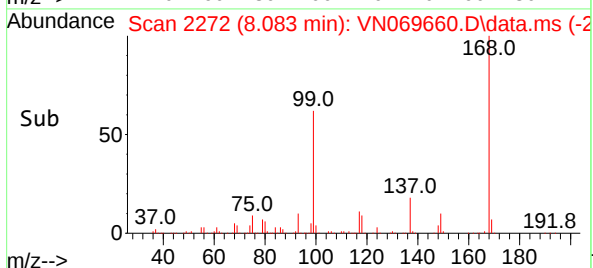
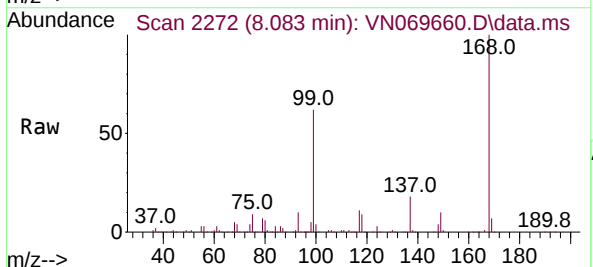


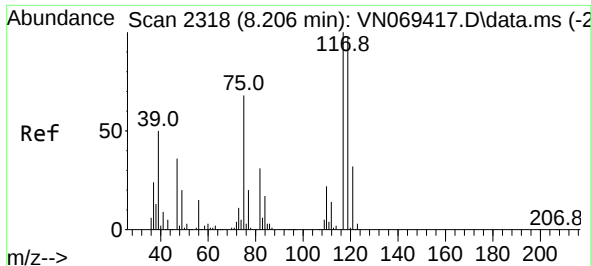
Tgt Ion:113 Resp: 805200
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.828 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.140 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

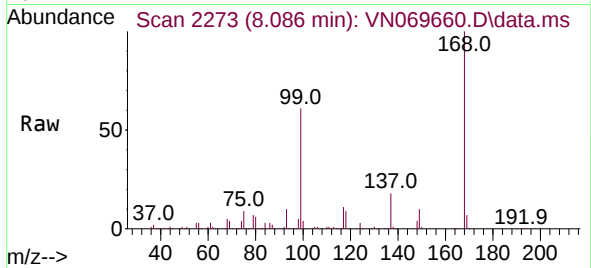
Tgt Ion: 75 Resp: 134750
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.1 24.4 36.6#



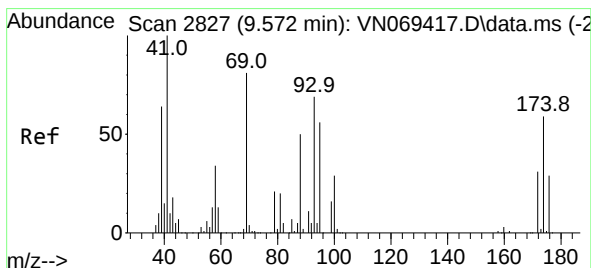
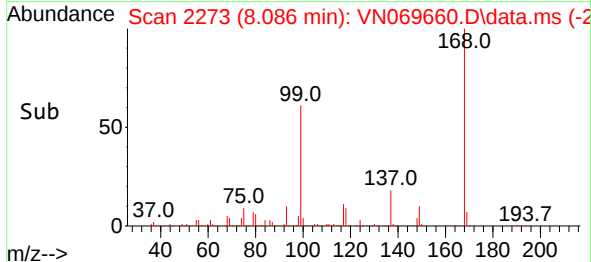
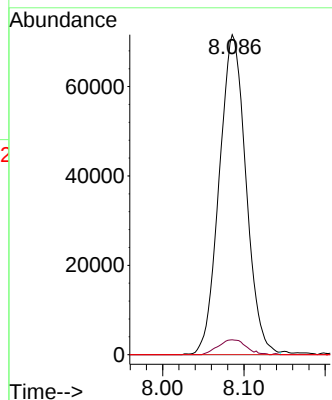


#38
Carbon Tetrachloride
Concen: 7.336 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Instrument :
MSVOA_N
ClientSampleId :

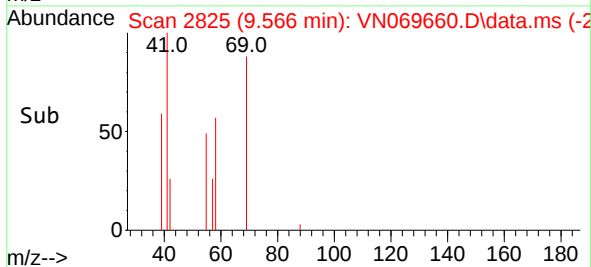
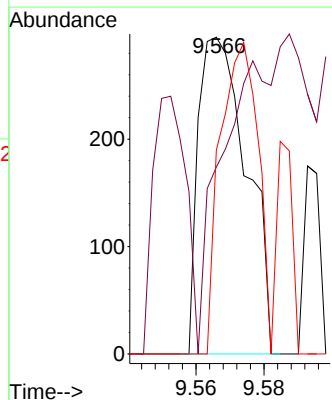
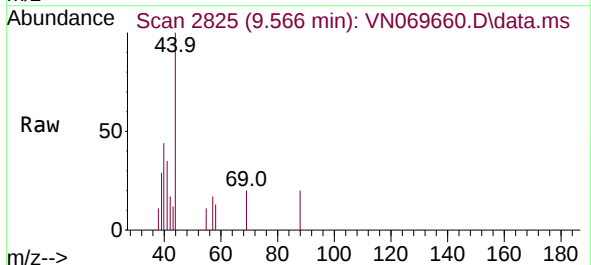


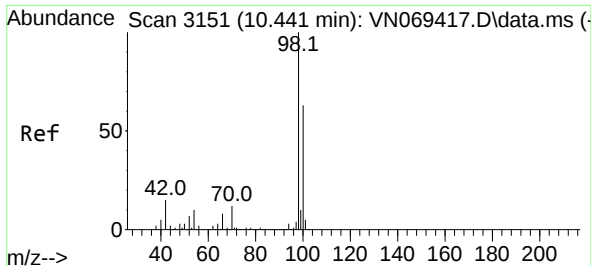
Tgt Ion:117 Resp: 163755
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 39.654 ug/l
RT: 9.566 min Scan# 2825
Delta R.T. -0.006 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Tgt Ion: 88 Resp: 290
Ion Ratio Lower Upper
88 100
43 97.6 23.4 35.2#
58 76.9 50.6 75.8#

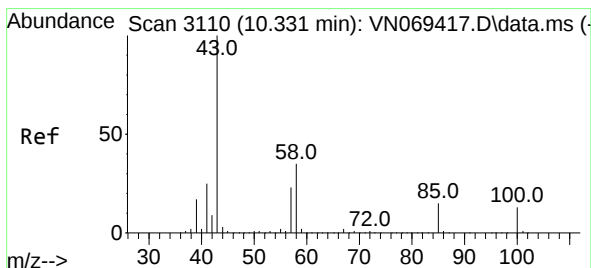
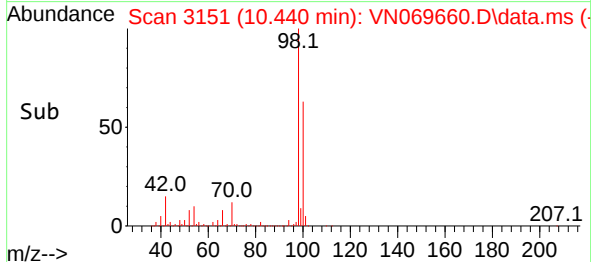
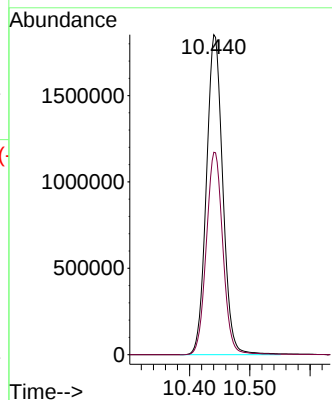
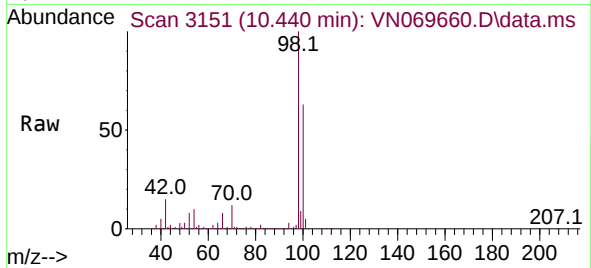




#50
Toluene-d8
Concen: 53.933 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.001 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

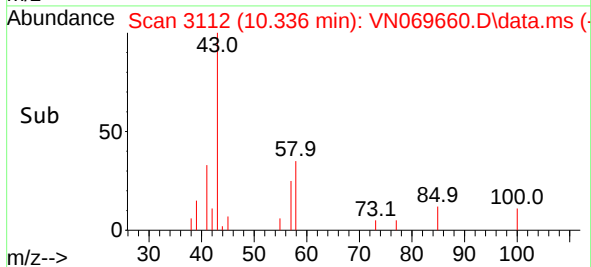
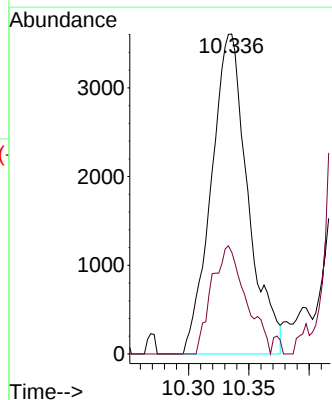
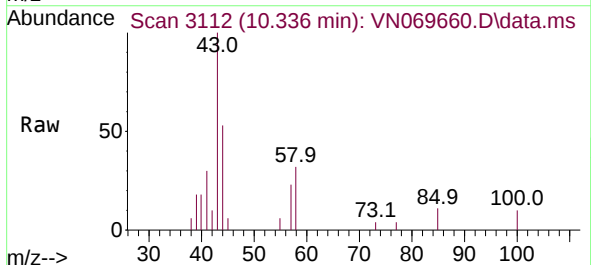
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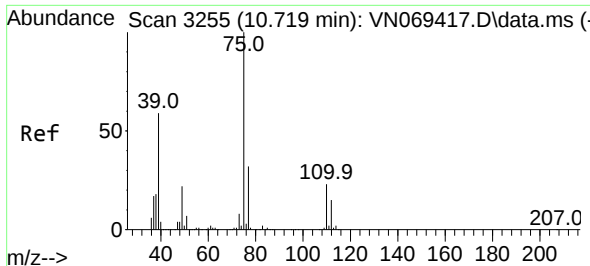
Tgt Ion: 98 Resp: 3495597
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.235 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

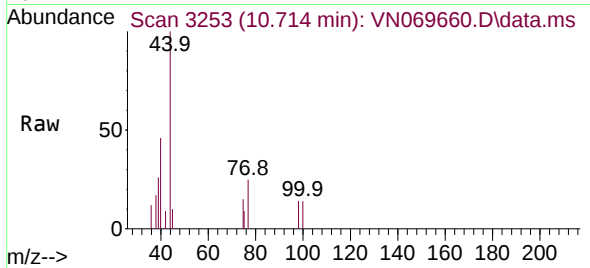
Tgt Ion: 43 Resp: 7630
Ion Ratio Lower Upper
43 100
58 31.3 30.4 45.6



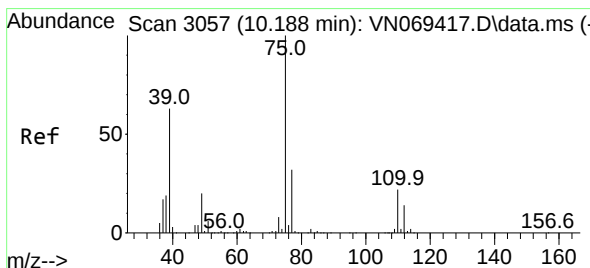
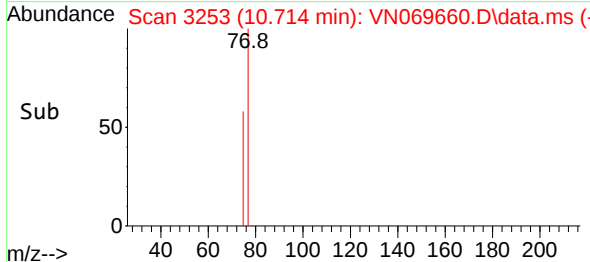
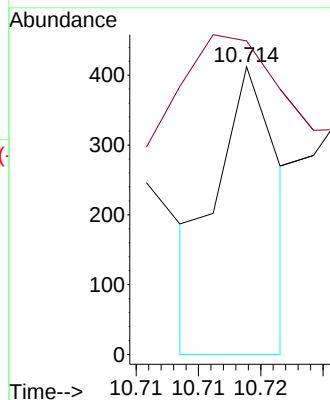


#53
 t-1,3-Dichloropropene
 Concen: 2.642 ug/l
 RT: 10.714 min Scan# 31
 Delta R.T. -0.005 min
 Lab File: VN069660.D
 Acq: 29 Nov 2021 12:46

Instrument :
 MSVOA_N
 ClientSampleId :

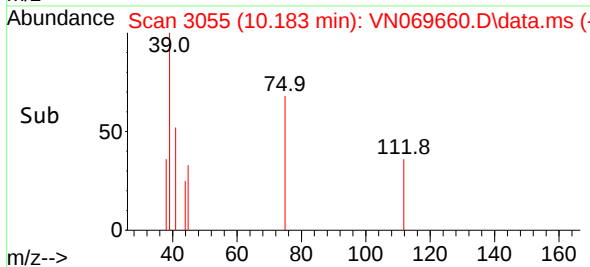
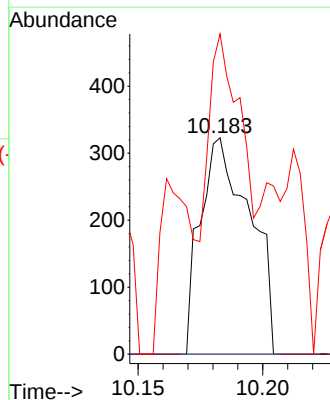
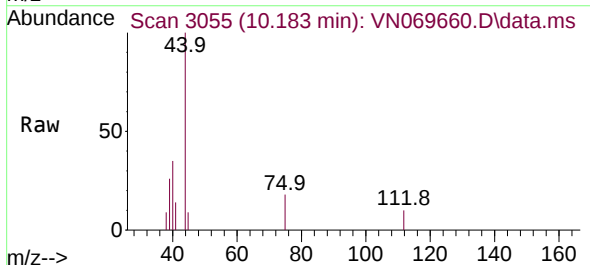


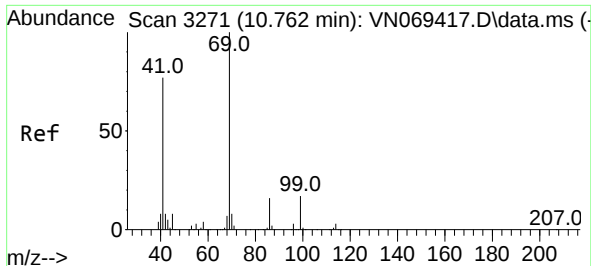
Tgt Ion: 75 Resp: 142
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 1.747 ug/l
 RT: 10.183 min Scan# 3055
 Delta R.T. -0.005 min
 Lab File: VN069660.D
 Acq: 29 Nov 2021 12:46

Tgt Ion: 75 Resp: 448
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 77.4 42.5 63.7#

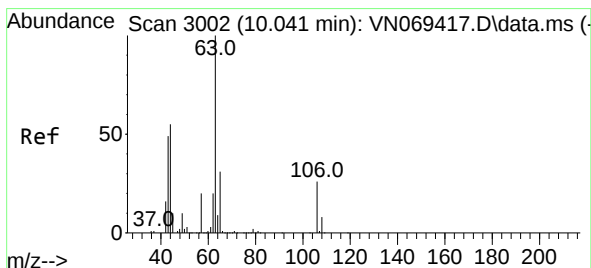
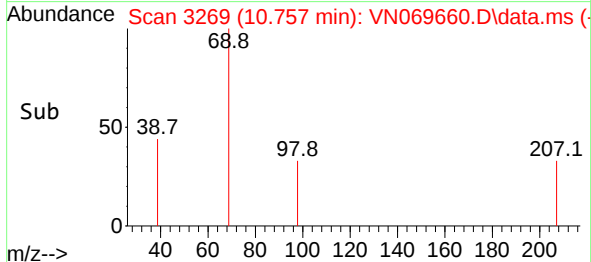
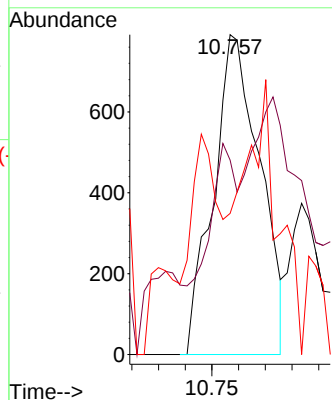
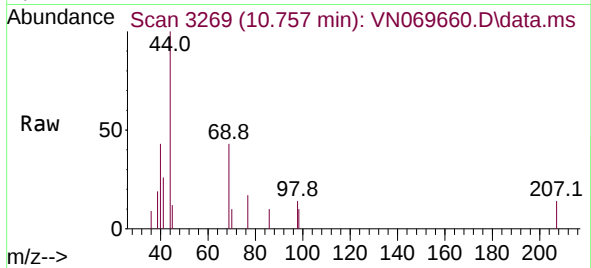




#56
Ethyl methacrylate
Concen: 2.080 ug/l
RT: 10.757 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

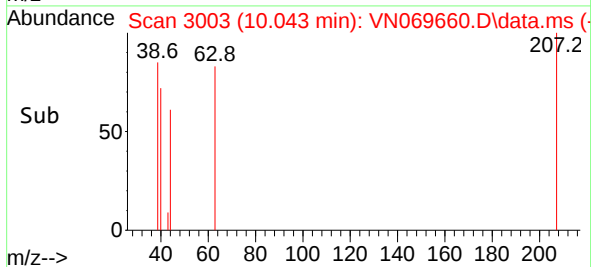
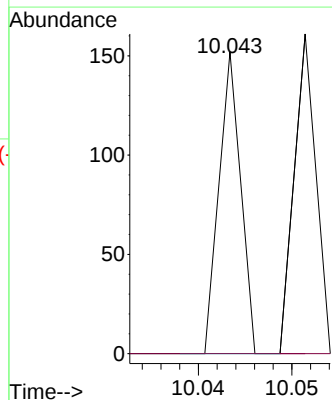
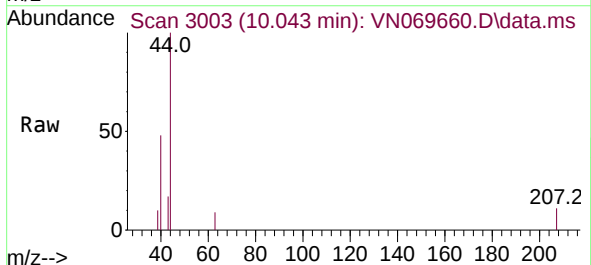
Instrument :
MSVOA_N
ClientSampleId :

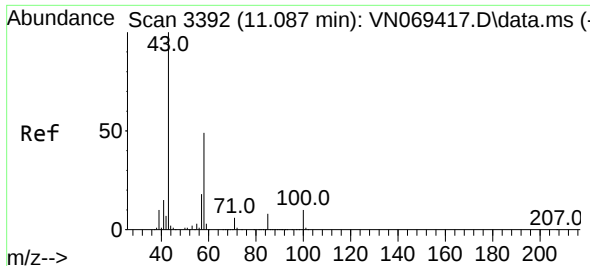
Tgt Ion: 69 Resp: 959
Ion Ratio Lower Upper
69 100
41 34.5 51.4 77.0#
39 33.0 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 22.773 ug/l
RT: 10.043 min Scan# 3003
Delta R.T. 0.002 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

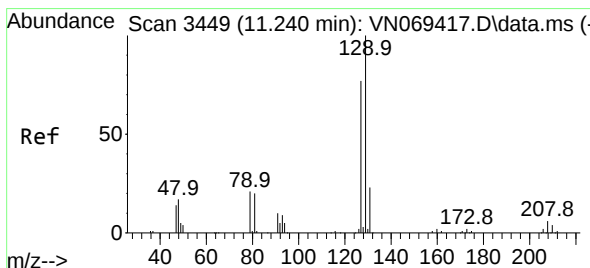
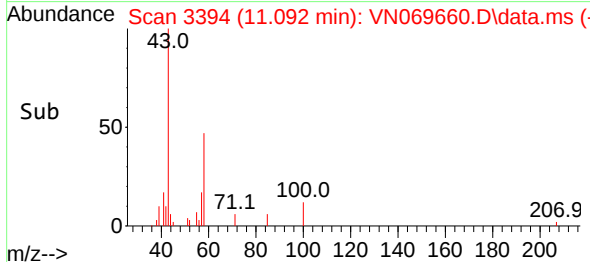
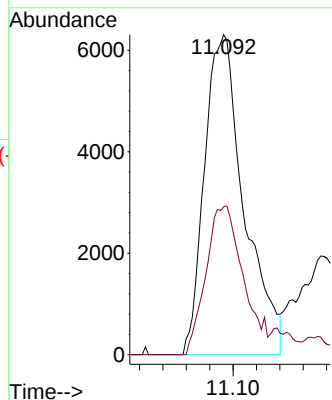
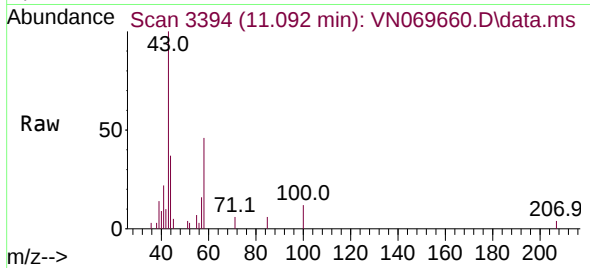




#59
2-Hexanone
Concen: 8.467 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

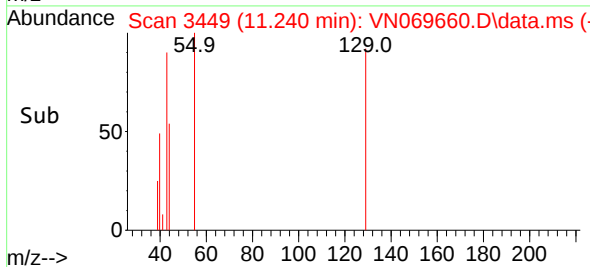
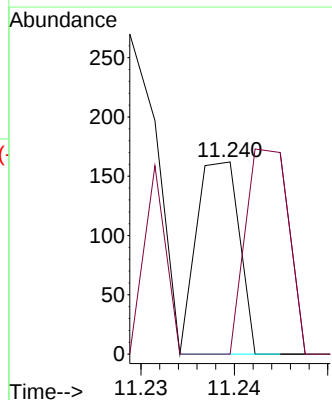
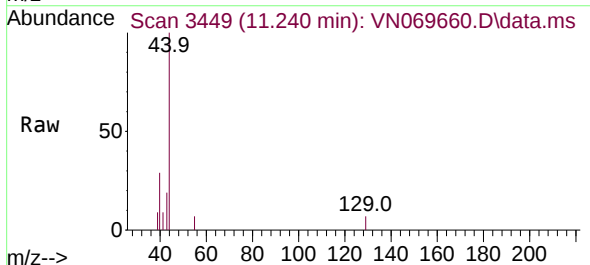
Instrument :
MSVOA_N
ClientSampleId :

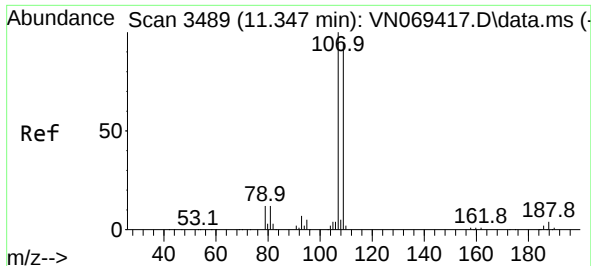
Tgt Ion: 43 Resp: 14852
Ion Ratio Lower Upper
43 100
58 44.2 26.9 80.7



#60
Dibromochloromethane
Concen: 2.420 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. -0.000 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Tgt Ion: 129 Resp: 52
Ion Ratio Lower Upper
129 100
127 105.8 38.6 116.0

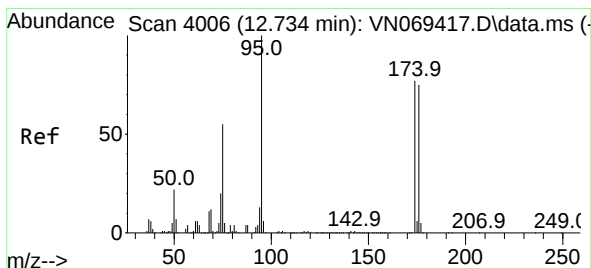
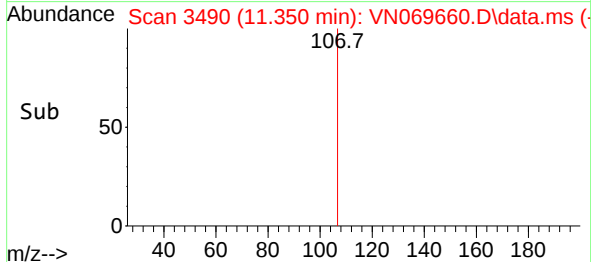
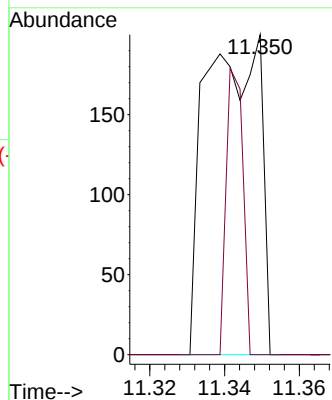
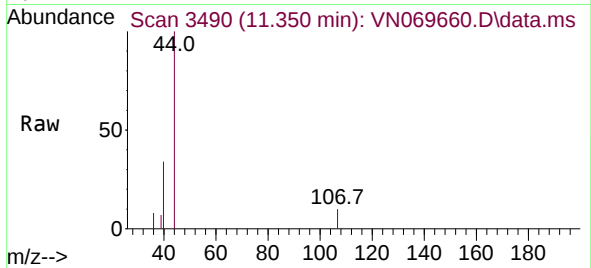




#61
1,2-Dibromoethane
Concen: 1.081 ug/l
RT: 11.350 min Scan# 3489
Delta R.T. 0.003 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

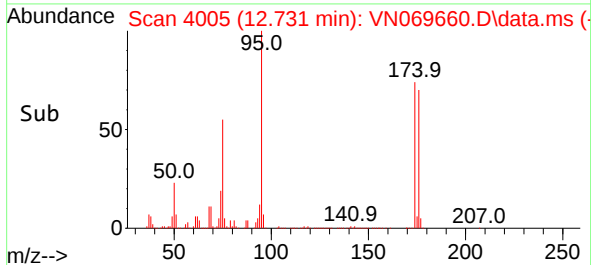
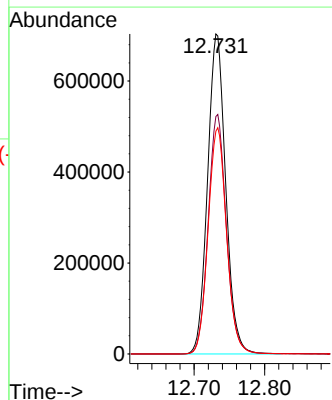
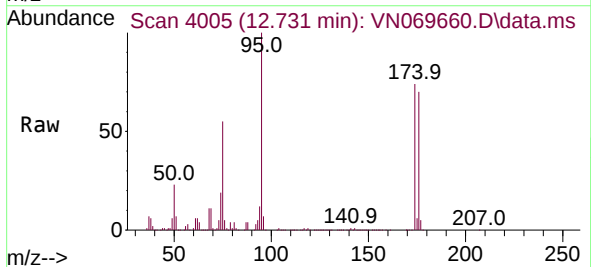
Instrument :
MSVOA_N
ClientSampleId :

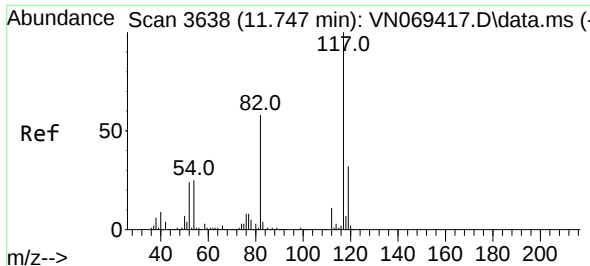
Tgt Ion:107 Resp: 201
Ion Ratio Lower Upper
107 100
109 27.9 75.7 113.5#



#62
4-Bromofluorobenzene
Concen: 52.829 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

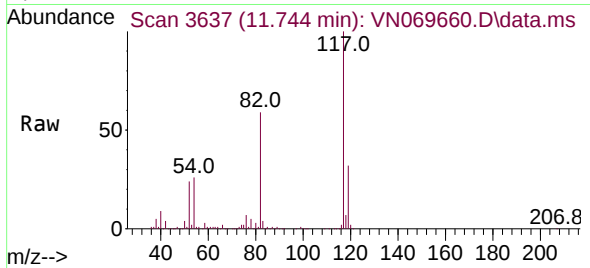
Tgt Ion: 95 Resp: 1257877
Ion Ratio Lower Upper
95 100
174 75.1 0.0 187.2
176 71.9 0.0 181.4



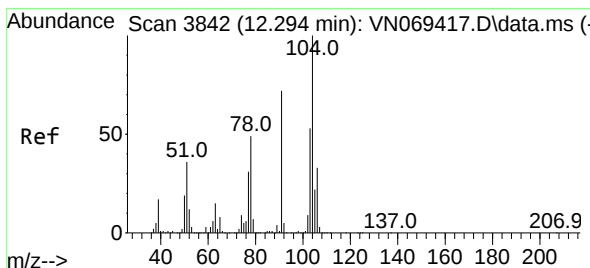
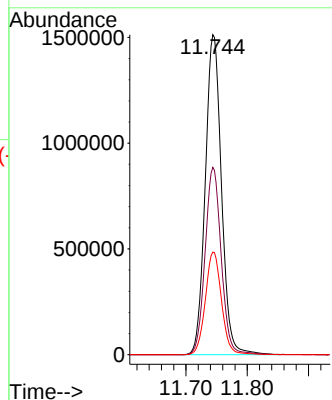
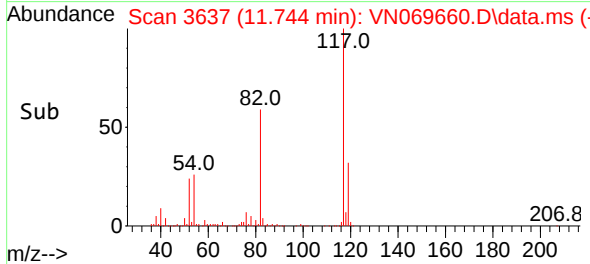


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Instrument :
MSVOA_N
ClientSampleId :

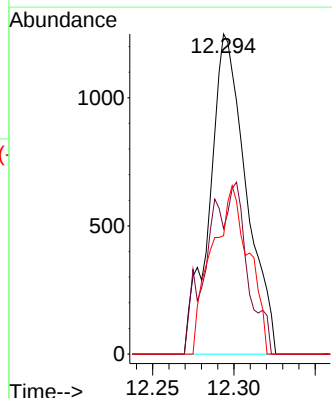
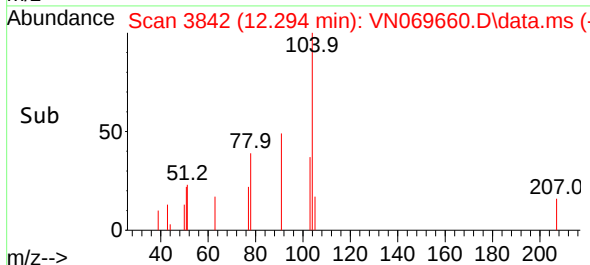
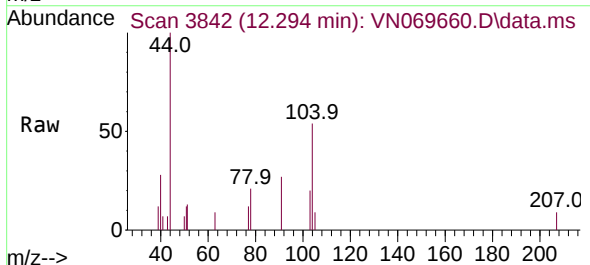


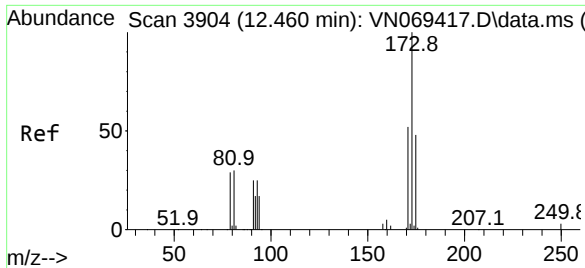
Tgt Ion:117 Resp: 2781118
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 32.1 25.4 38.2



#70
Styrene
Concen: 1.551 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Tgt Ion:104 Resp: 1960
Ion Ratio Lower Upper
104 100
78 25.8 38.7 58.1#
103 53.3 45.0 67.6

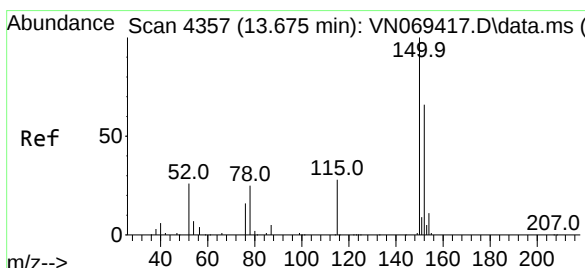
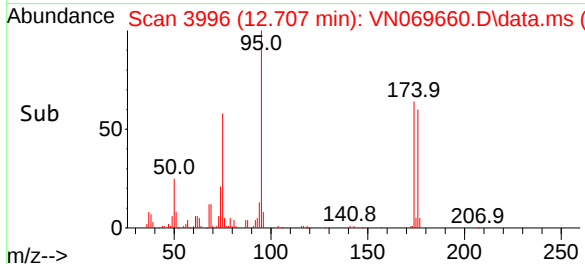
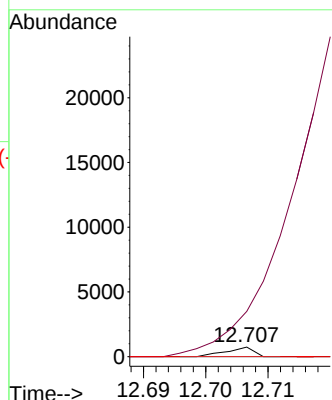
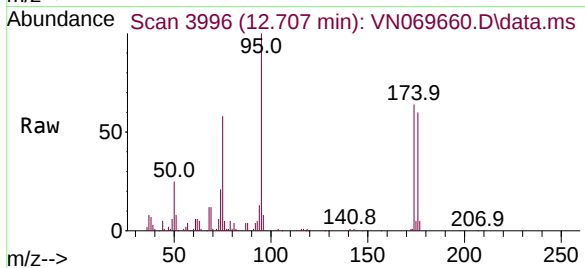




#71
Bromoform
Concen: 3.441 ug/l
RT: 12.707 min Scan# 3904
Delta R.T. 0.247 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

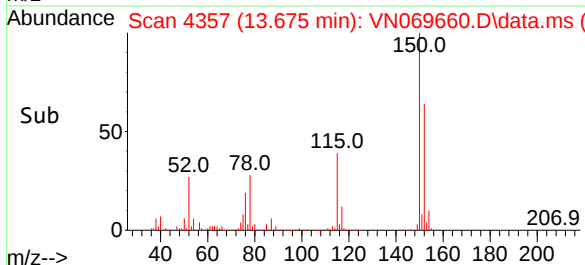
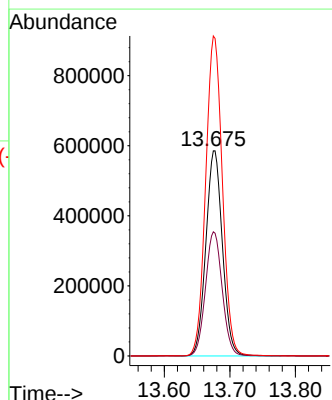
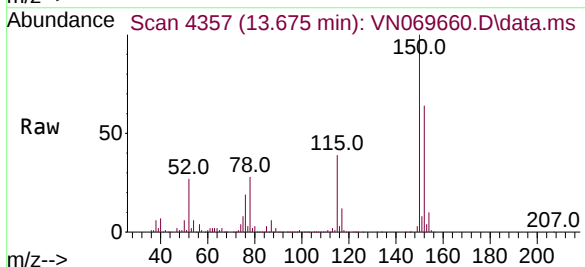
Instrument :
MSVOA_N
ClientSampleId :

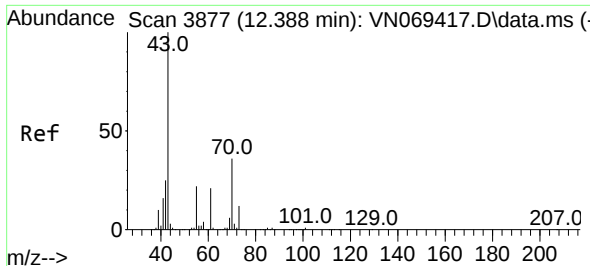
Tgt Ion:173 Resp: 226
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

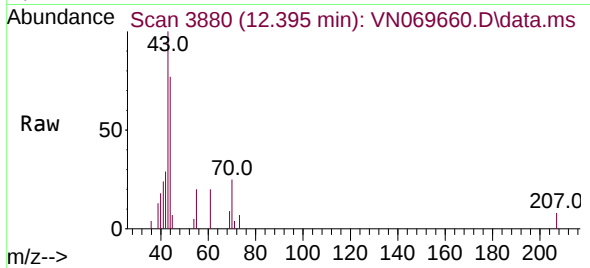
Tgt Ion:152 Resp: 1026399
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 156.5 0.0 344.4



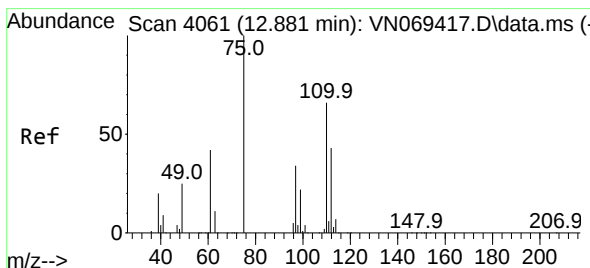
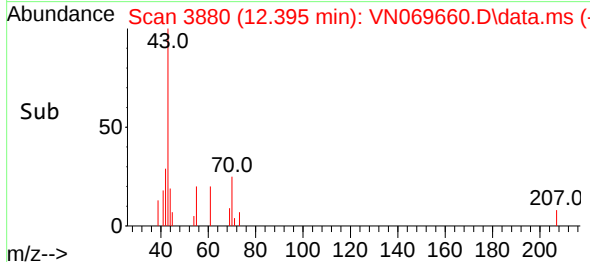
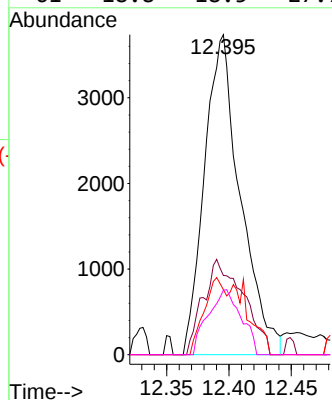


#74
N-amy1 acetate
Concen: 0.216 ug/l
RT: 12.395 min Scan# 3877
Delta R.T. 0.007 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Instrument :
MSVOA_N
ClientSampleId :

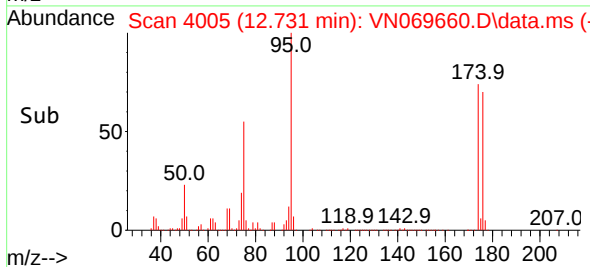
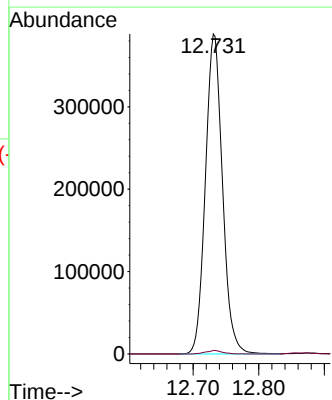
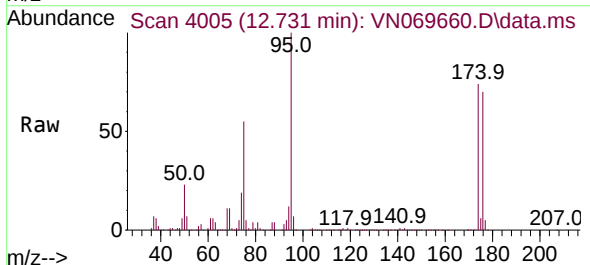


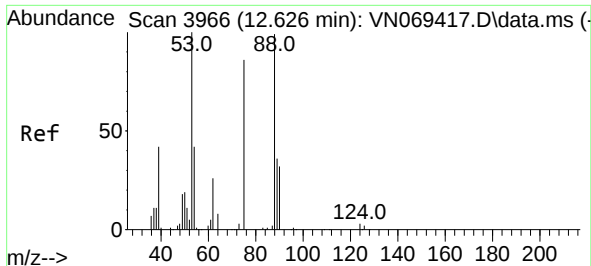
Tgt Ion: 43	Resp: 7468
Ion Ratio	Lower Upper
43	100
70	33.4 33.4 50.0
55	14.3 19.3 28.9#
61	18.8 18.5 27.7



#76
1,2,3-Trichloropropane
Concen: 29.580 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Tgt Ion: 75	Resp: 700655
Ion Ratio	Lower Upper
75	100
77	1.1 82.6 247.8#

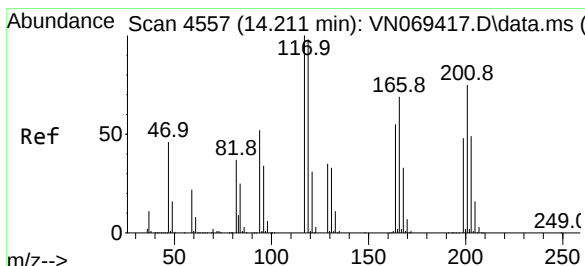
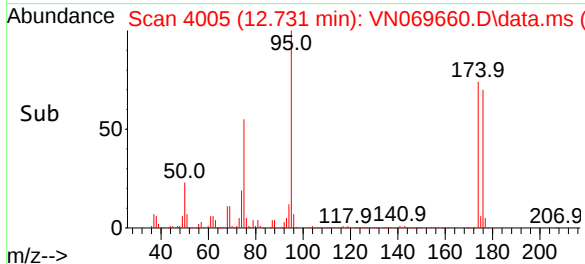
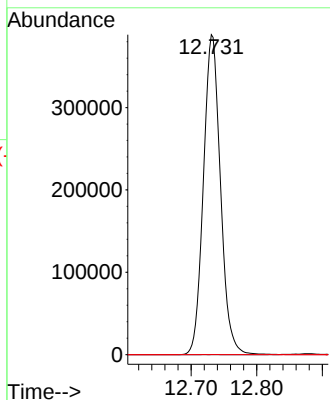
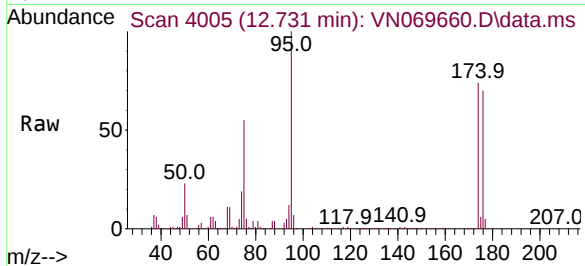




#81
trans-1,4-Dichloro-2-butene
Concen: 83.645 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

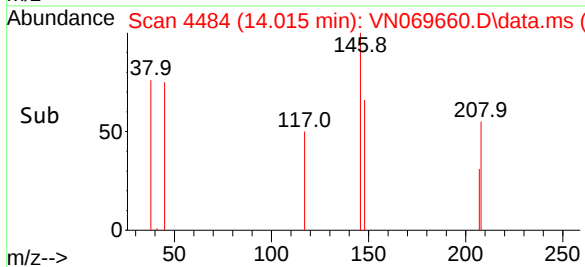
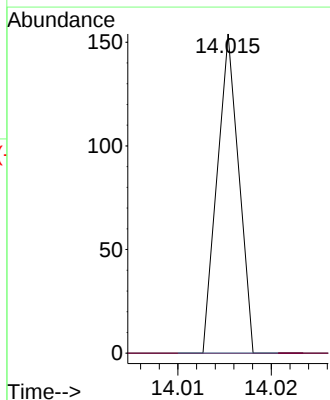
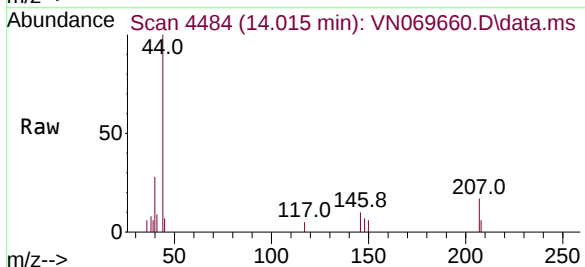
Instrument :
MSVOA_N
ClientSampleId :

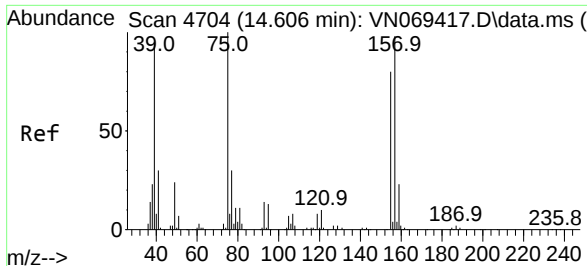
Tgt Ion: 75 Resp: 700655
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 2.164 ug/l
RT: 14.015 min Scan# 4484
Delta R.T. -0.196 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Tgt Ion: 117 Resp: 25
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

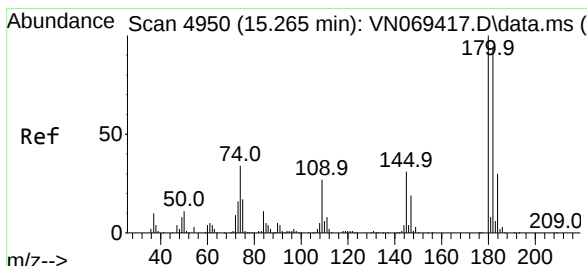
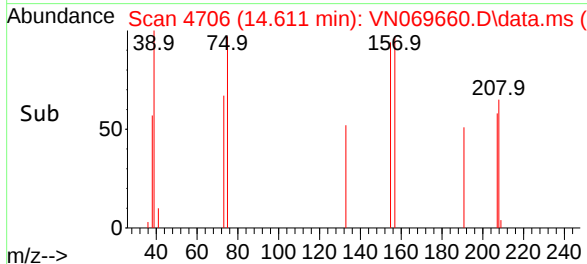
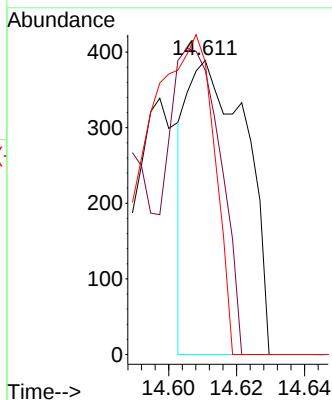
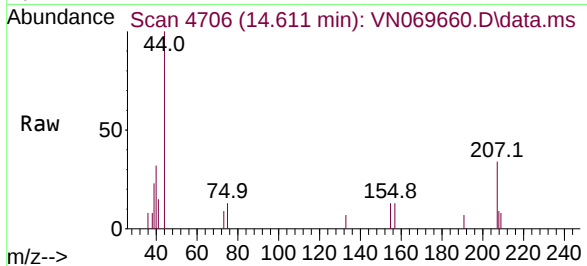




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.885 ug/l
RT: 14.611 min Scan# 4706
Delta R.T. 0.005 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

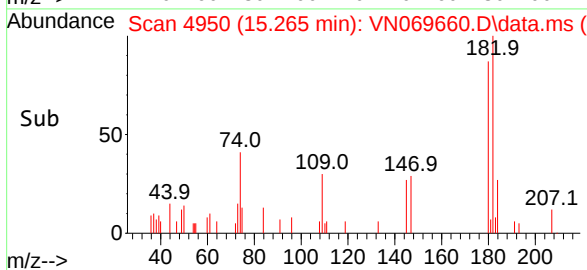
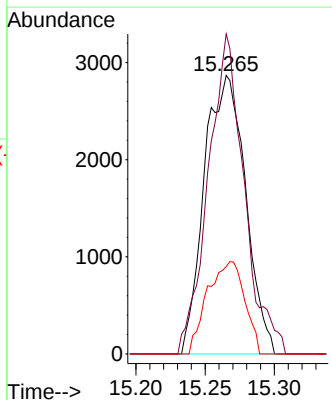
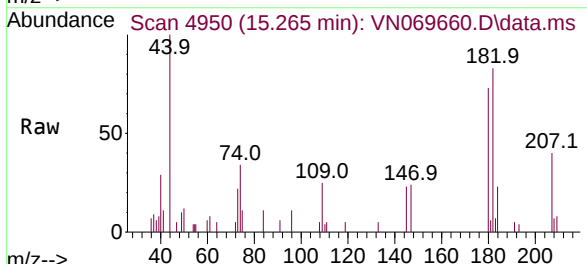
Instrument :
MSVOA_N
ClientSampleId :

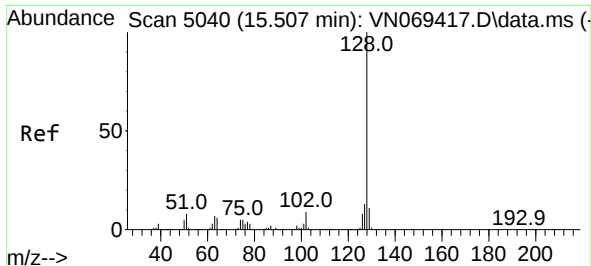
Tgt Ion: 75 Resp: 469
Ion Ratio Lower Upper
75 100
155 87.8 46.9 140.7
157 120.9 60.6 181.7



#93
1,2,4-Trichlorobenzene
Concen: 3.458 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Tgt Ion: 180 Resp: 5937
Ion Ratio Lower Upper
180 100
182 100.1 48.3 144.9
145 29.9 14.5 43.5

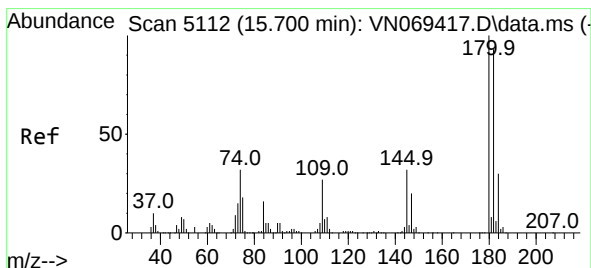
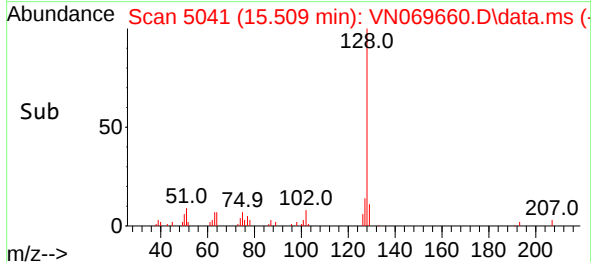
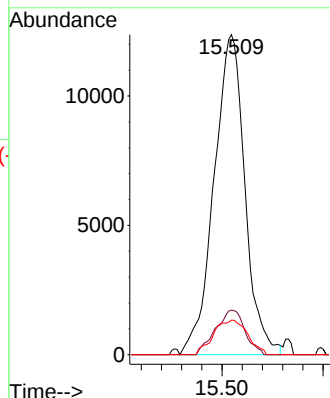
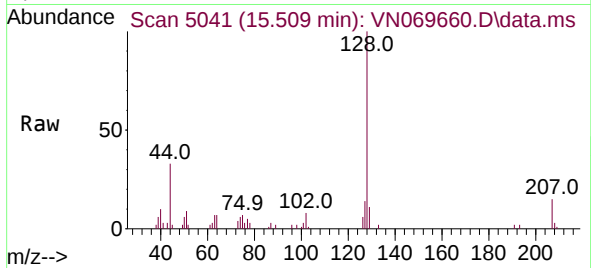




#95
Naphthalene
Concen: 4.976 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.591 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.002 min
Lab File: VN069660.D
Acq: 29 Nov 2021 12:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	105.8	47.4	142.2
145	36.4	15.0	45.1

