

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069089.D
 Acq On : 21 Oct 2021 15:37
 Operator : JC/MD
 Sample : M4284-12 200X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 22 01:33:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

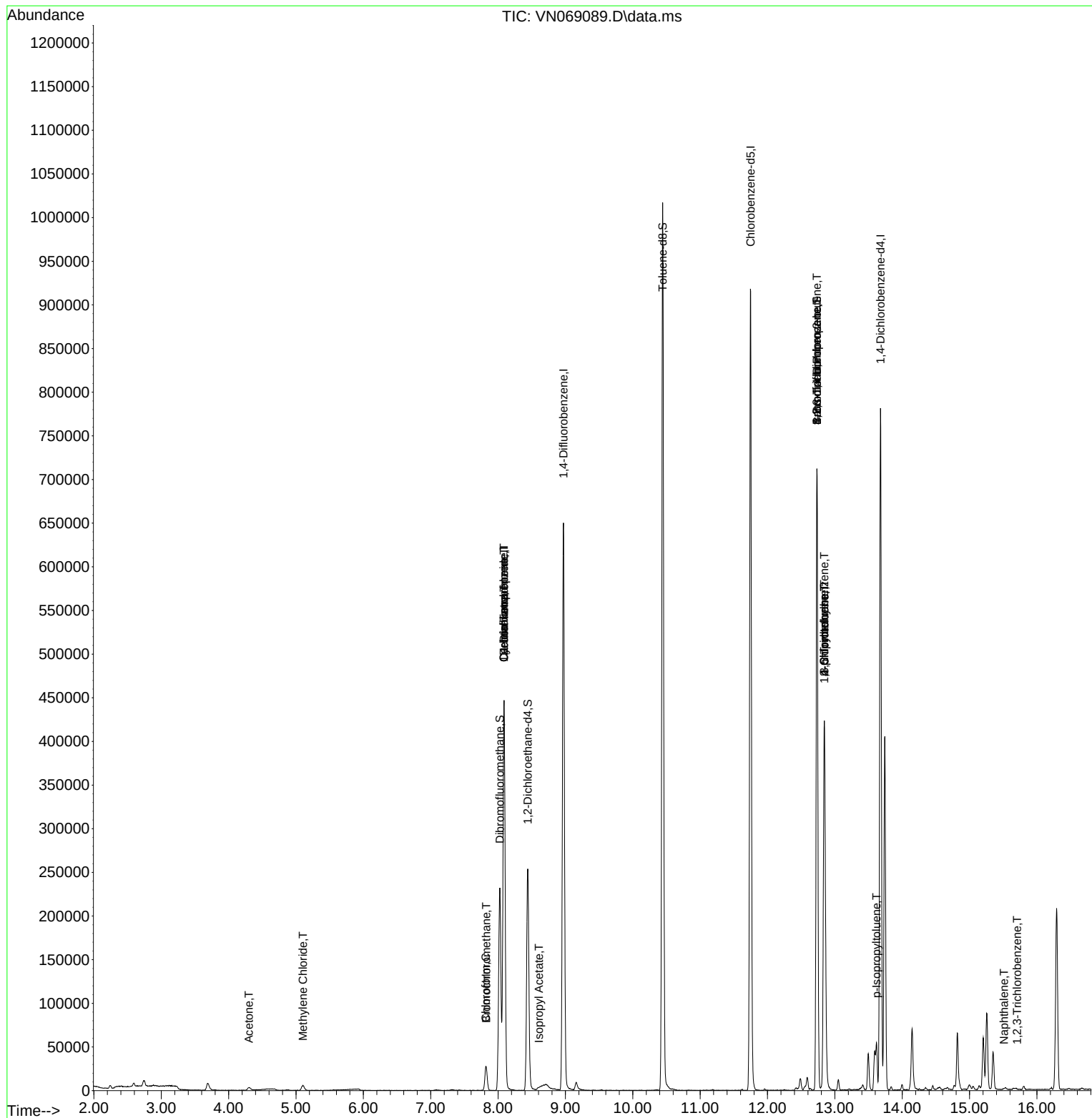
Internal Standards						
1) Pentafluorobenzene	8.088	168	329570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	584254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	550829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	211471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	220246	50.686	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 101.380%		
35) Dibromofluoromethane	8.027	113	172303	50.689	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 101.380%		
50) Toluene-d8	10.443	98	727911	53.519	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 107.040%		
62) 4-Bromofluorobenzene	12.733	95	260974	50.858	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 101.720%		
Target Compounds						
					Qvalue	
16) Acetone	4.299	43	2883	1.778	ug/l	100
20) Methylene Chloride	5.103	84	4961	1.329	ug/l	85
28) Bromochloromethane	7.825	49	2274	0.778	ug/l #	14
30) Chloroform	7.817	83	28241	4.155	ug/l	97
31) Cyclohexane	8.086	56	7851	1.162	ug/l #	7
36) 1,1-Dichloropropene	8.086	75	29096	5.830	ug/l #	49
38) Carbon Tetrachloride	8.086	117	35214	6.425	ug/l #	16
43) Isopropyl Acetate	8.609	43	2333	0.257	ug/l #	55
71) Bromoform	12.733	173	670	0.205	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	137731	30.610	ug/l #	1
78) n-propylbenzene	12.843	91	58174	2.941	ug/l #	54
79) 2-Chlorotoluene	12.843	91	58174	4.771	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.841	105	12188	0.831	ug/l #	32
81) trans-1,4-Dichloro-2-b...	12.733	75	137731	73.233	ug/l #	12
82) 4-Chlorotoluene	12.843	91	55253	4.690	ug/l #	42
86) p-Isopropyltoluene	13.618	119	31386	2.214	ug/l	92
95) Naphthalene	15.509	128	1656	3.968	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.705	180	26	2.521	ug/l #	1

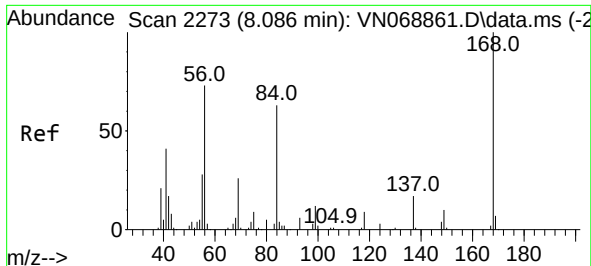
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

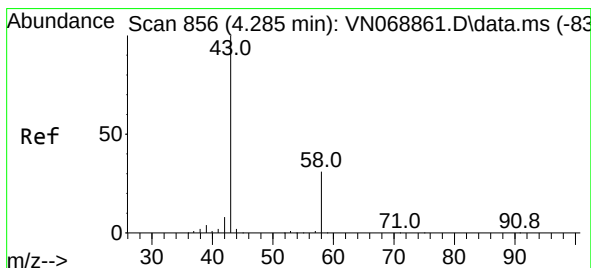
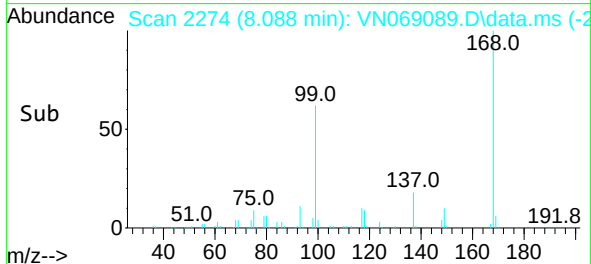
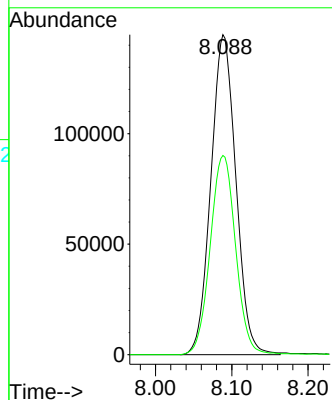
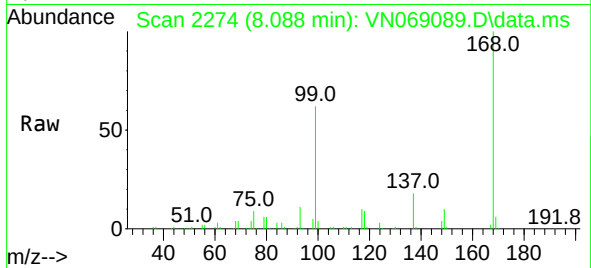




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

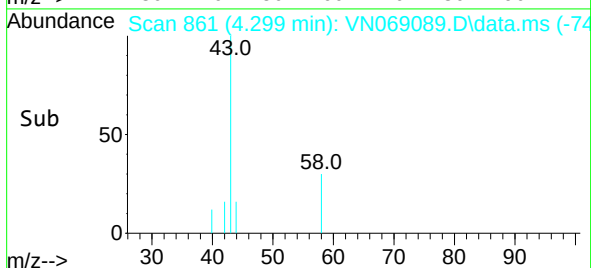
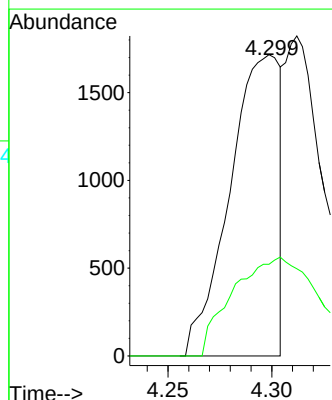
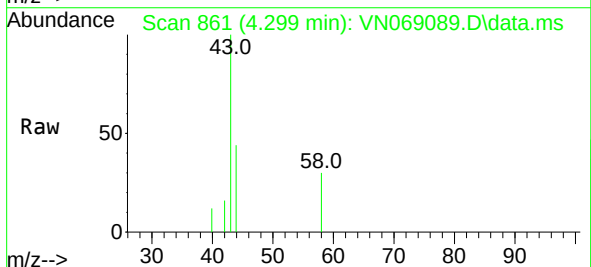
Instrument :
MSVOA_N
ClientSampled :

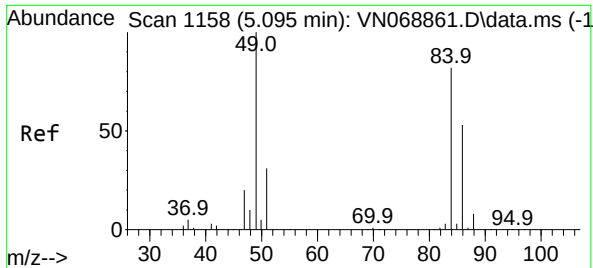
Tgt Ion:168 Resp: 329570
Ion Ratio Lower Upper
168 100
99 62.3 48.9 73.3



#16
Acetone
Concen: 1.778 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

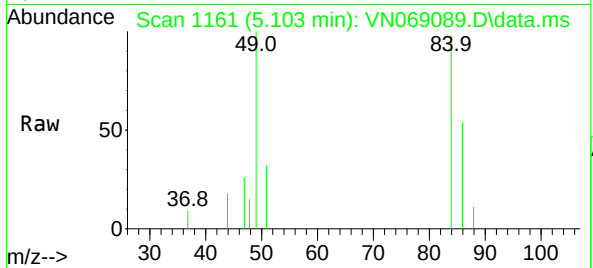
Tgt Ion: 43 Resp: 2883
Ion Ratio Lower Upper
43 100
58 30.4 24.5 36.7



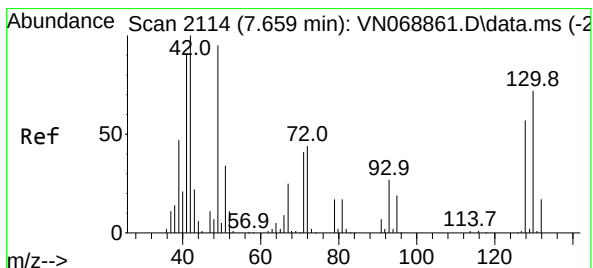
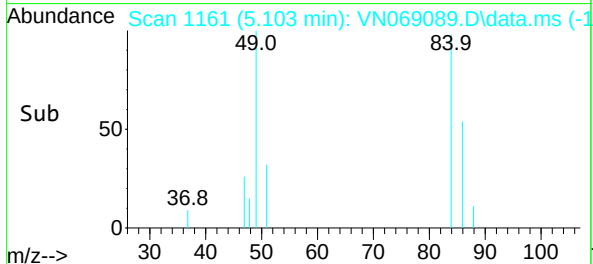
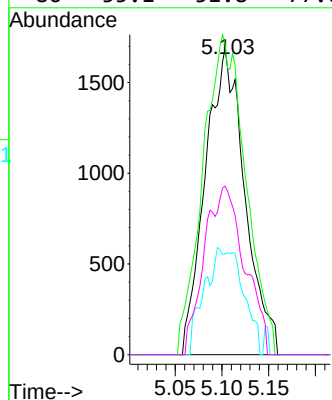


#20
Methylene Chloride
Concen: 1.329 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

Instrument :
MSVOA_N
ClientSampled :

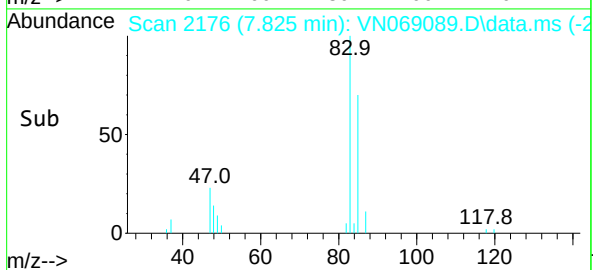
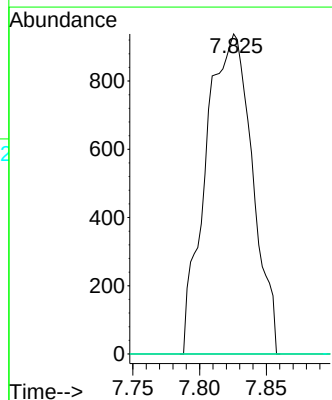
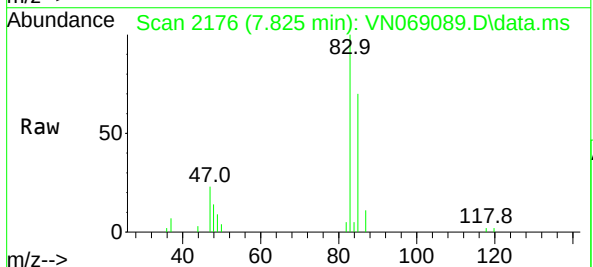


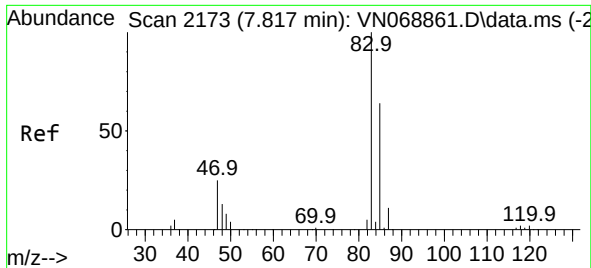
Tgt Ion:	84	Resp:	4961
Ion	Ratio	Lower	Upper
84	100		
49	101.7	97.6	146.4
51	33.0	30.3	45.5
86	55.1	51.8	77.6



#28
Bromochloromethane
Concen: 0.778 ug/l
RT: 7.825 min Scan# 2176
Delta R.T. 0.166 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

Tgt Ion:	49	Resp:	2274
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	0.0	60.8	91.2#

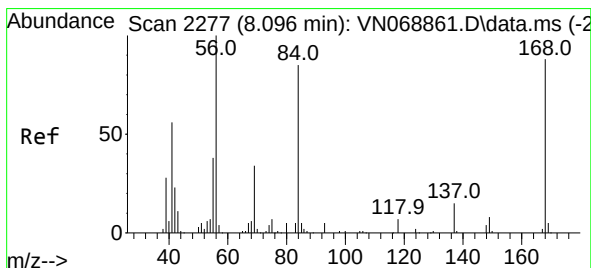
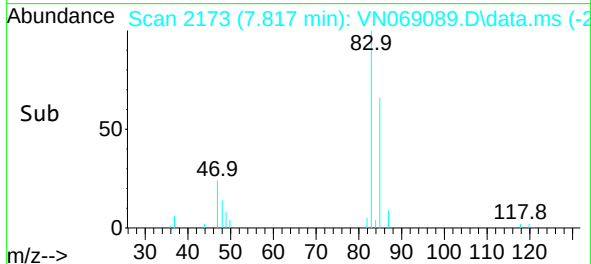
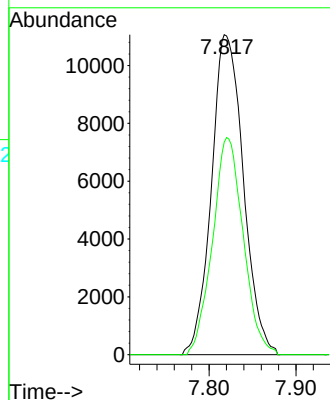
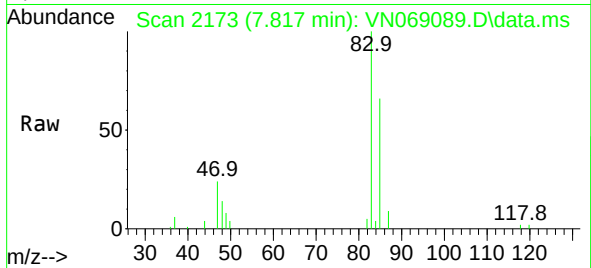




#30
Chloroform
Concen: 4.155 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. 0.000 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

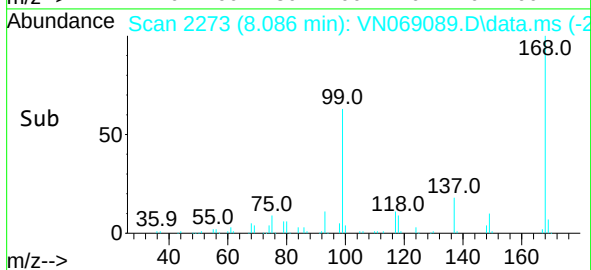
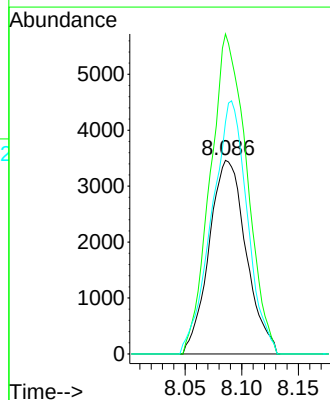
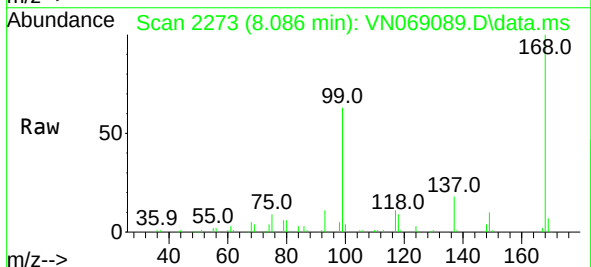
Instrument :
MSVOA_N
ClientSampled :

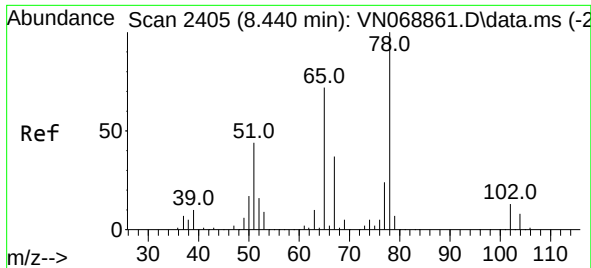
Tgt Ion: 83 Resp: 28241
Ion Ratio Lower Upper
83 100
85 66.4 51.1 76.7



#31
Cyclohexane
Concen: 1.162 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

Tgt Ion: 56 Resp: 7851
Ion Ratio Lower Upper
56 100
69 165.2 26.9 40.3#
84 119.7 67.6 101.4#

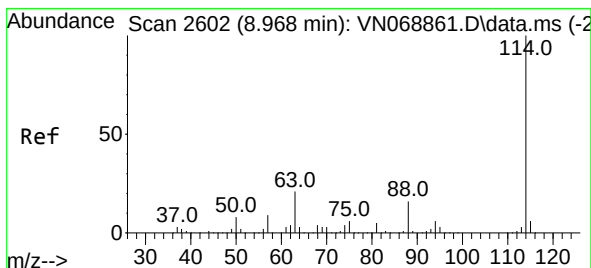
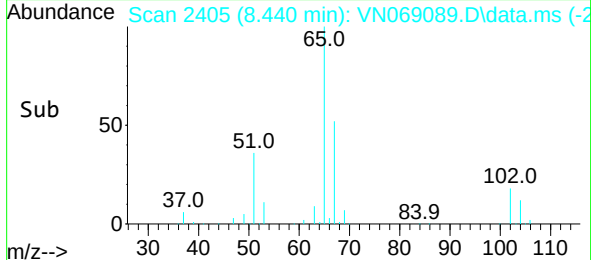
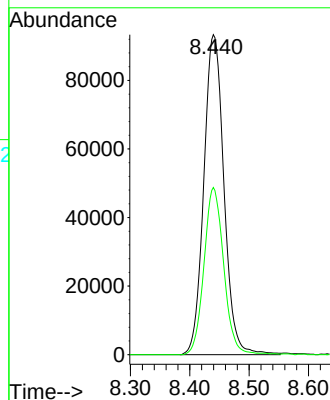
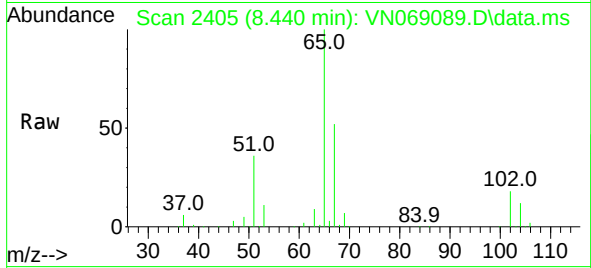




#33
 1,2-Dichloroethane-d4
 Concen: 50.686 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN069089.D
 Acq: 21 Oct 2021 15:37

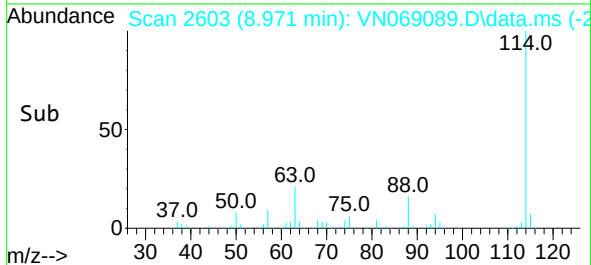
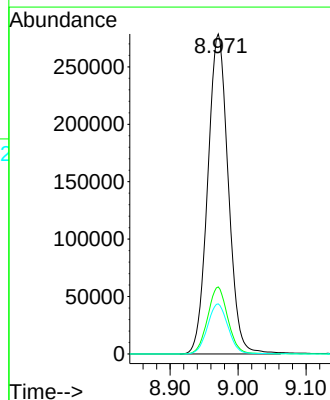
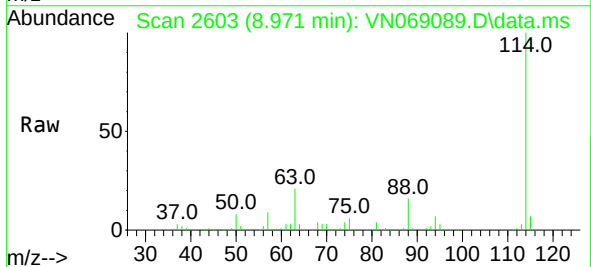
Instrument :
 MSVOA_N
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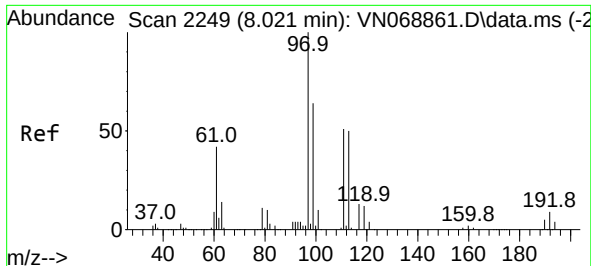
Tgt Ion: 65 Resp: 220246
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069089.D
 Acq: 21 Oct 2021 15:37

Tgt Ion: 114 Resp: 584254
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.6
 88 15.7 0.0 32.0

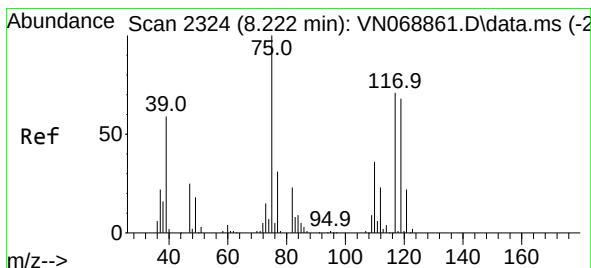
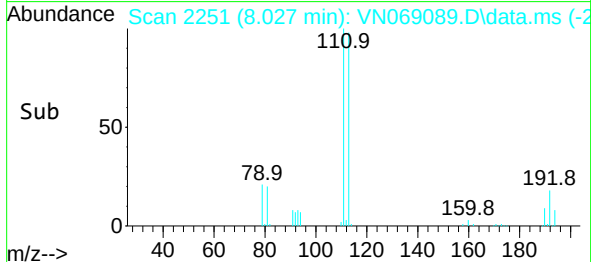
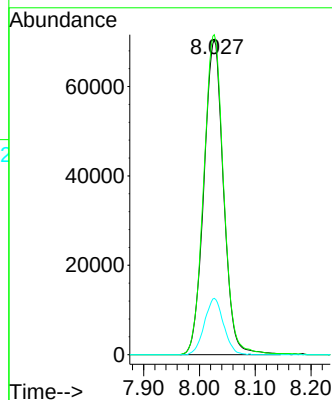
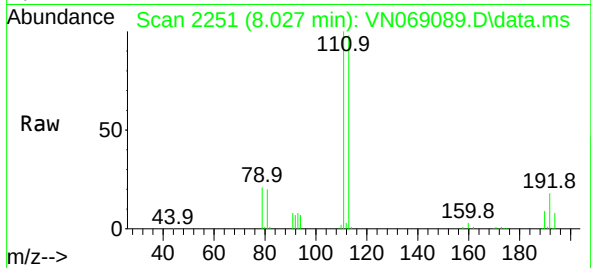




#35
Dibromofluoromethane
Concen: 50.689 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

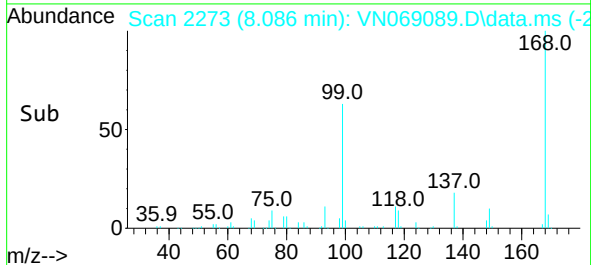
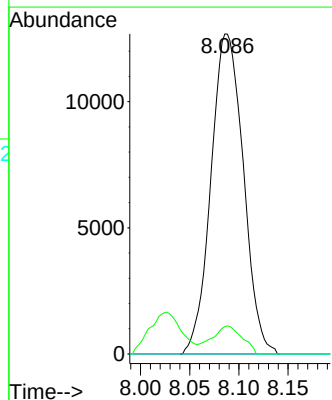
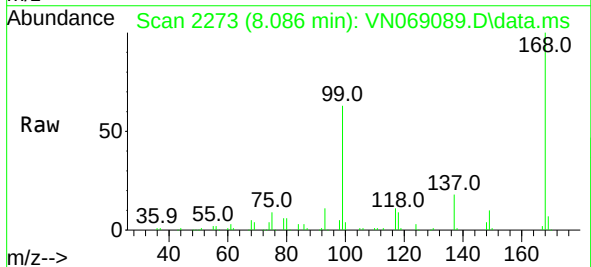
Instrument :
MSVOA_N
ClientSampled :

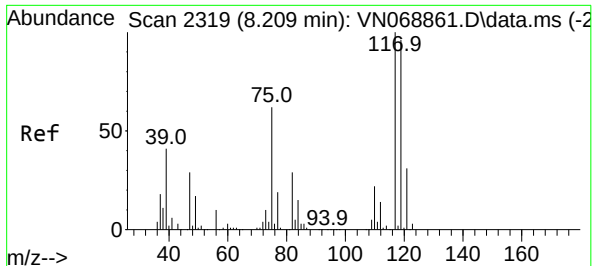
Tgt Ion:113 Resp: 172303
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 17.5 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.830 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

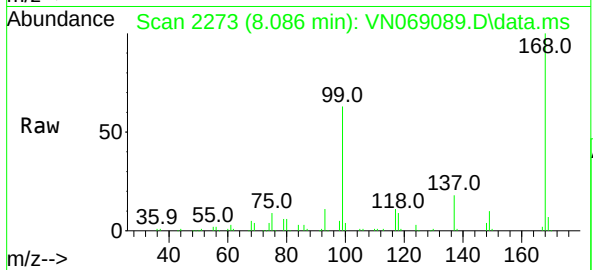
Tgt Ion: 75 Resp: 29096
Ion Ratio Lower Upper
75 100
110 8.2 17.9 53.8#
77 0.0 24.7 37.1#



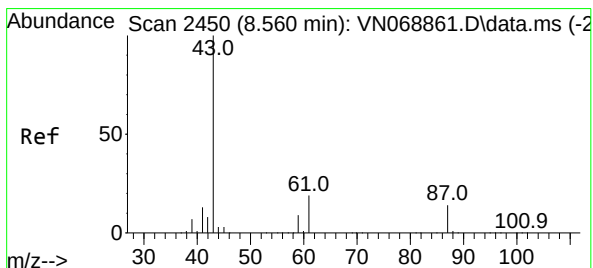
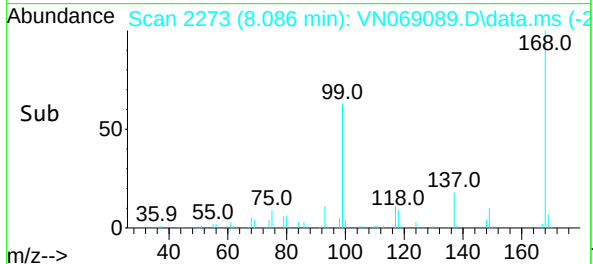
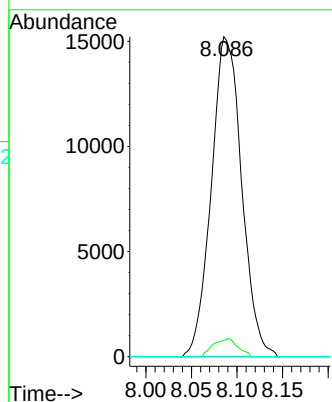


#38
Carbon Tetrachloride
Concen: 6.425 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

Instrument :
MSVOA_N
ClientSampleId :

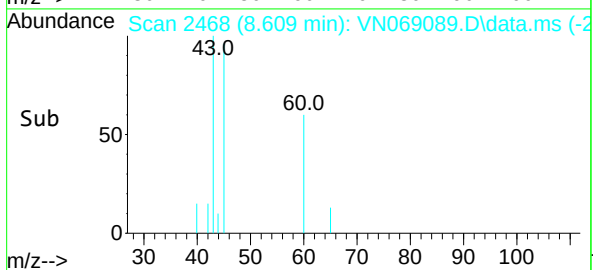
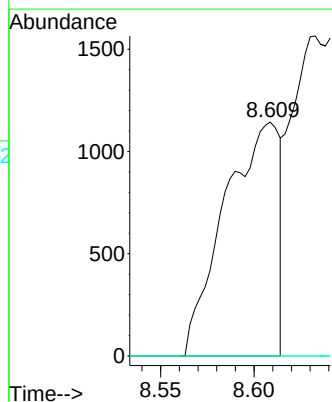
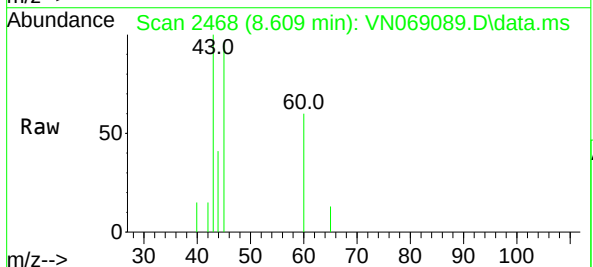


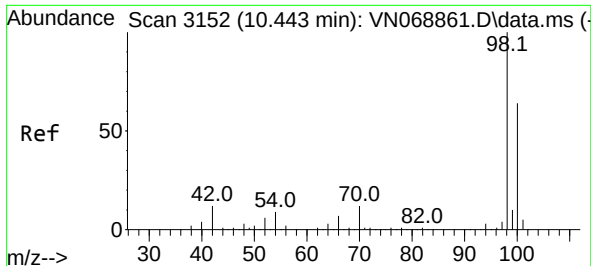
Tgt Ion:117 Resp: 35214
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.257 ug/l
RT: 8.609 min Scan# 2468
Delta R.T. 0.048 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

Tgt Ion: 43 Resp: 2333
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

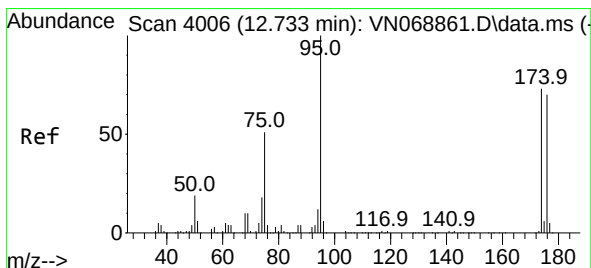
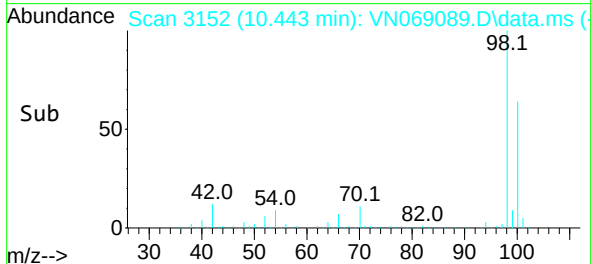
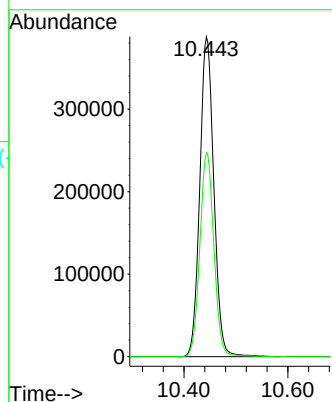
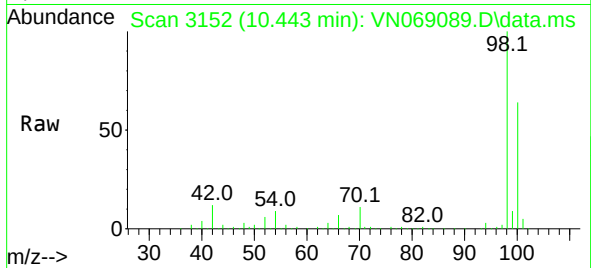




#50
Toluene-d8
Concen: 53.519 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

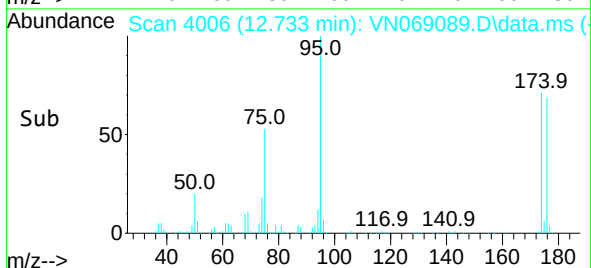
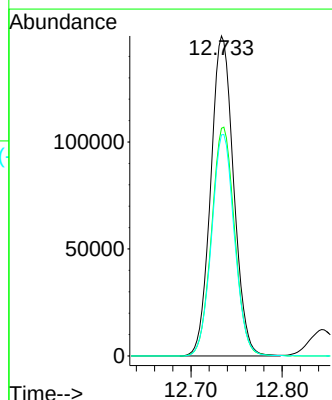
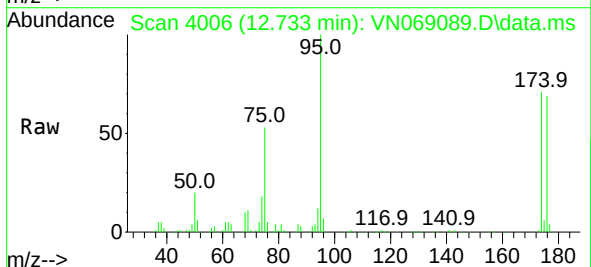
Instrument :
MSVOA_N
ClientSampled :

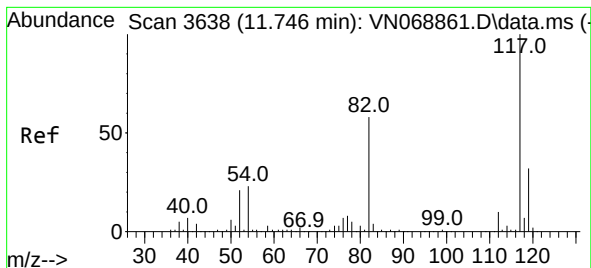
Tgt Ion: 98 Resp: 727911
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 50.858 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

Tgt Ion: 95 Resp: 260974
Ion Ratio Lower Upper
95 100
174 71.8 0.0 144.8
176 69.2 0.0 140.0

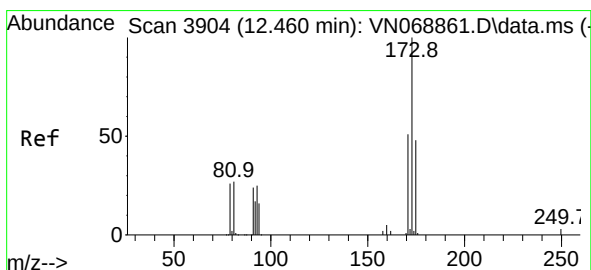
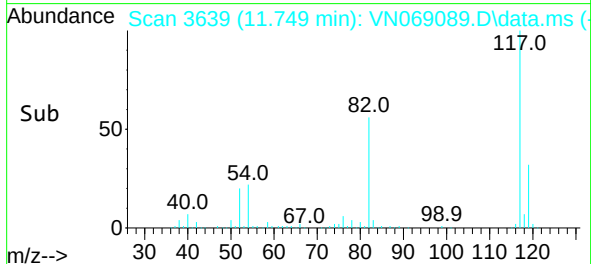
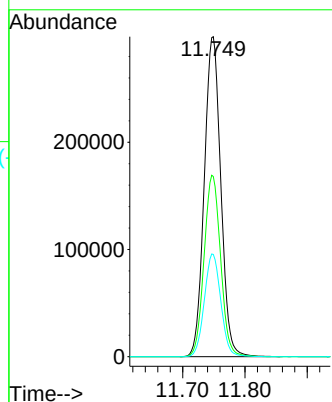
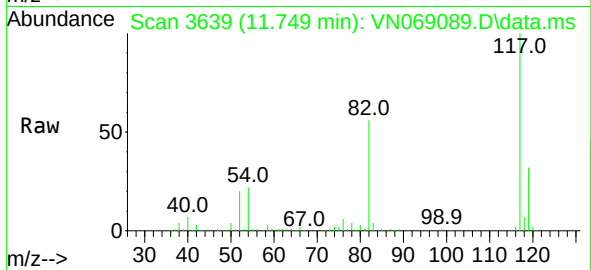




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

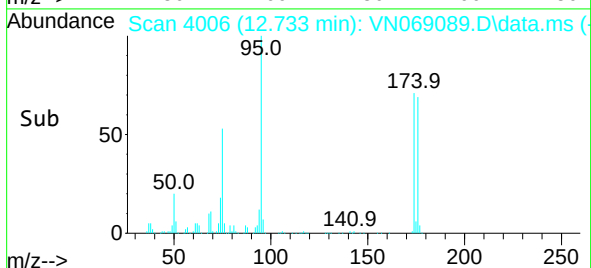
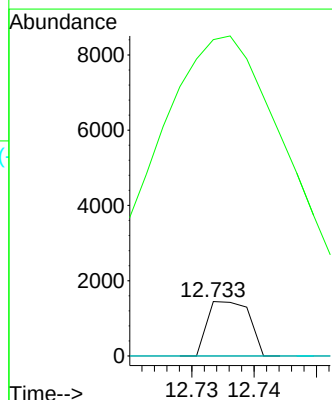
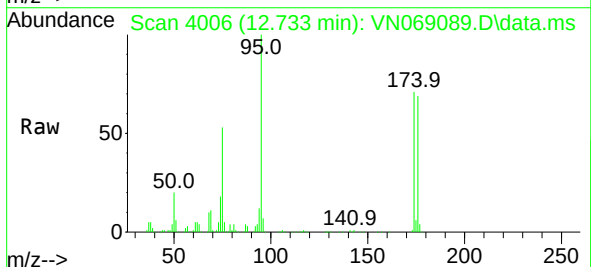
Instrument :
MSVOA_N
ClientSampled :

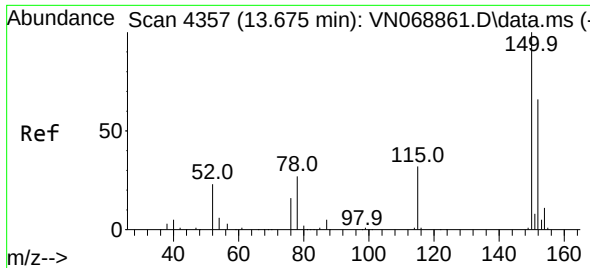
Tgt Ion:117 Resp: 550829
Ion Ratio Lower Upper
117 100
82 56.3 46.4 69.6
119 31.9 26.0 39.0



#71
Bromoform
Concen: 0.205 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

Tgt Ion:173 Resp: 670
Ion Ratio Lower Upper
173 100
175 1981.5 23.8 71.5#
254 0.0 0.0 0.0

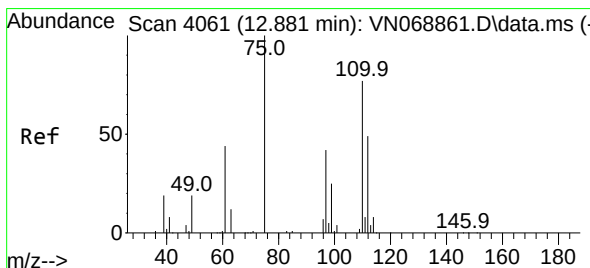
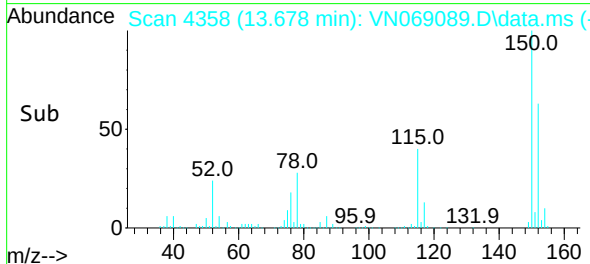
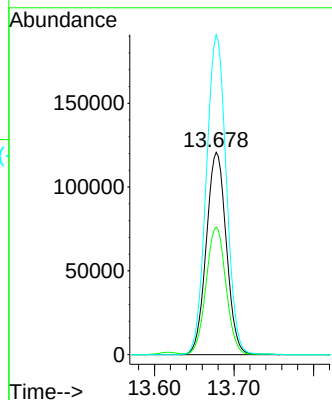
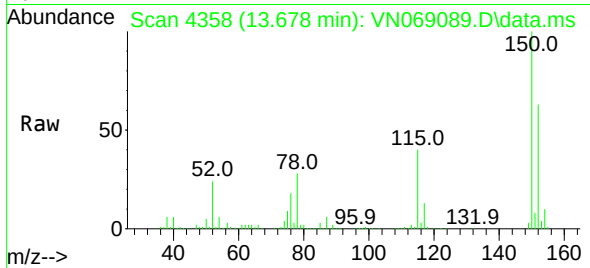




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

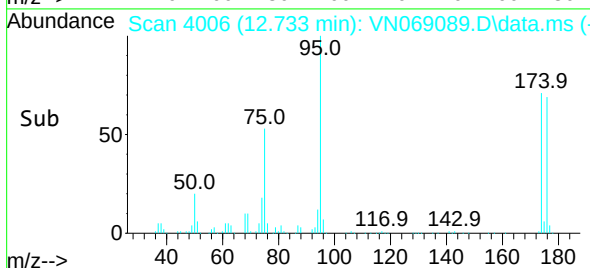
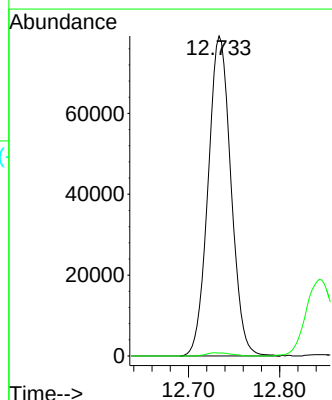
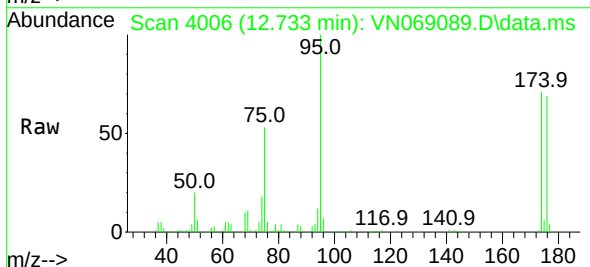
Instrument :
MSVOA_N
ClientSampled :

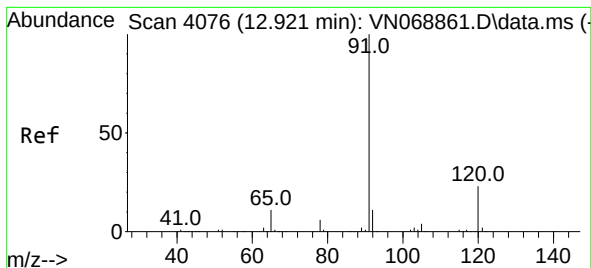
Tgt Ion:152 Resp: 211471
Ion Ratio Lower Upper
152 100
115 62.1 31.4 94.3
150 158.1 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 30.610 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

Tgt Ion: 75 Resp: 137731
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#

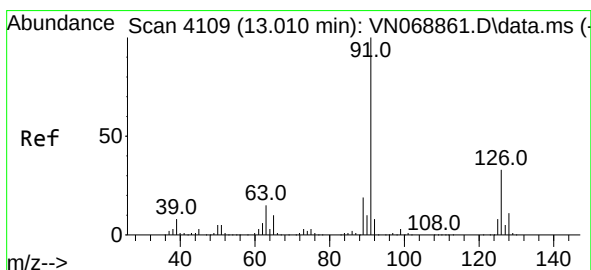
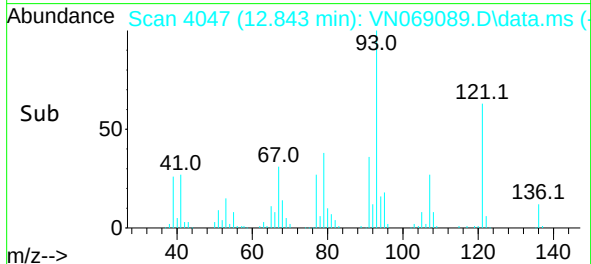
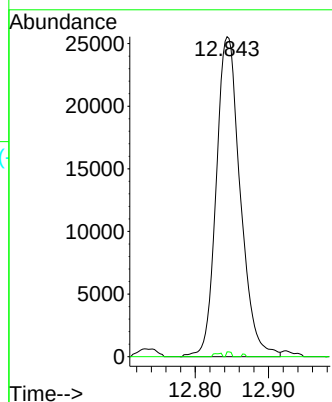
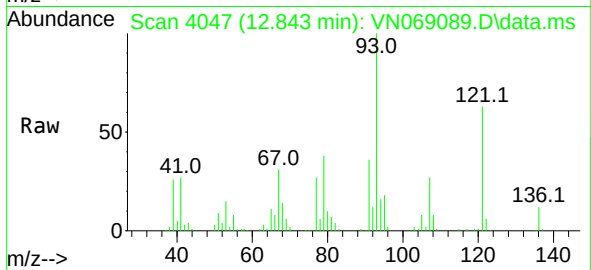




#78
n-propylbenzene
Concen: 2.941 ug/l
RT: 12.843 min Scan# 4047
Delta R.T. -0.078 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

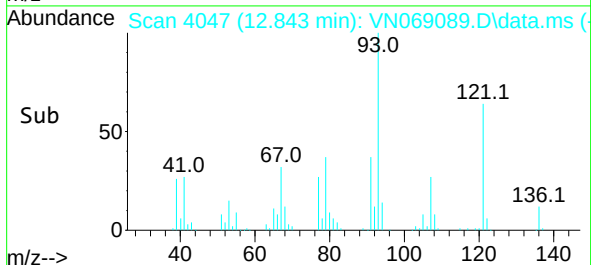
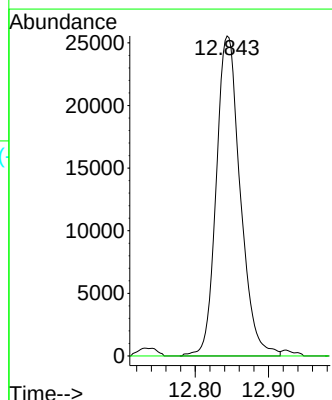
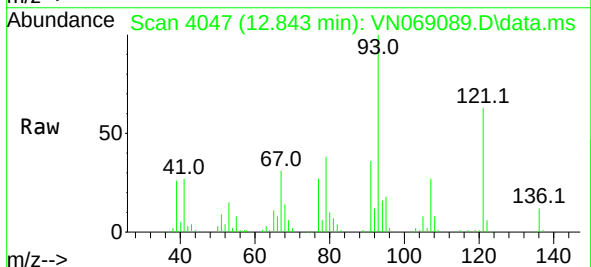
Instrument :
MSVOA_N
ClientSampled :

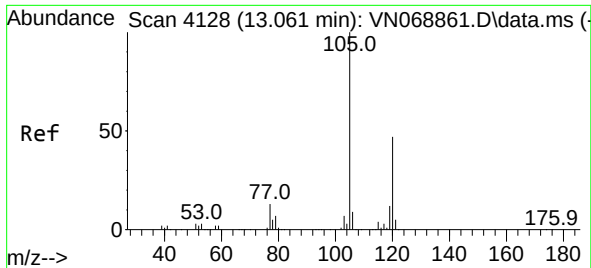
Tgt Ion: 91 Resp: 58174
Ion Ratio Lower Upper
91 100
120 0.3 11.4 34.1#



#79
2-Chlorotoluene
Concen: 4.771 ug/l
RT: 12.843 min Scan# 4047
Delta R.T. -0.166 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

Tgt Ion: 91 Resp: 58174
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.4#

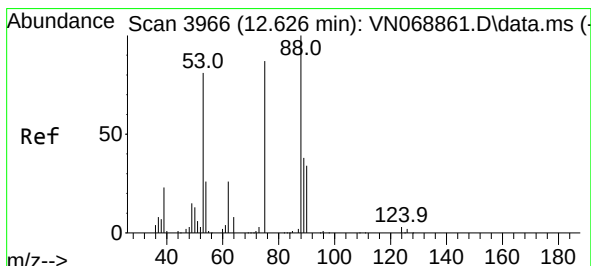
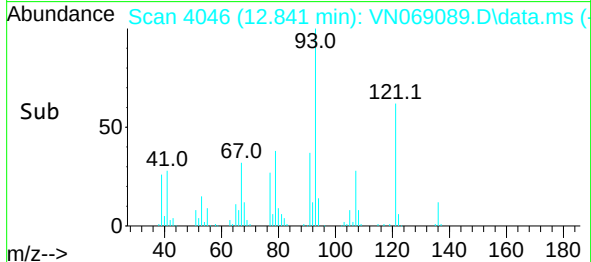
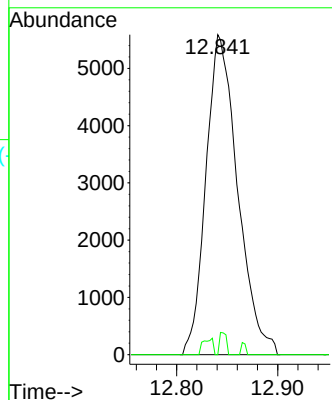
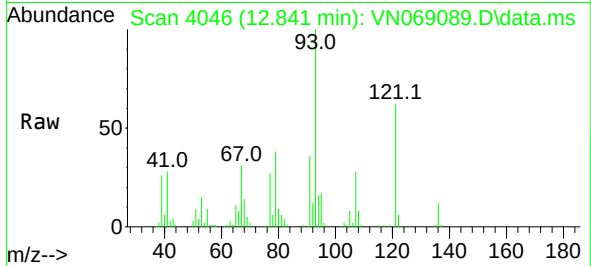




#80
 1,3,5-Trimethylbenzene
 Concen: 0.831 ug/l
 RT: 12.841 min Scan# 4046
 Delta R.T. -0.220 min
 Lab File: VN069089.D
 Acq: 21 Oct 2021 15:37

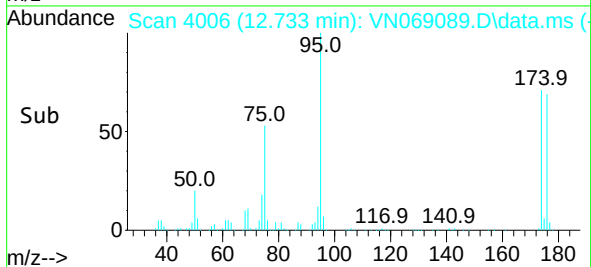
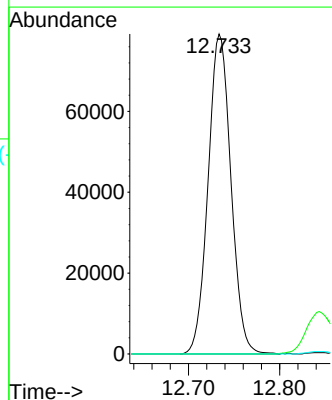
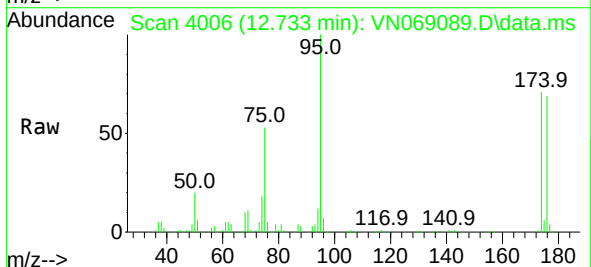
Instrument :
 MSVOA_N
 ClientSampled :

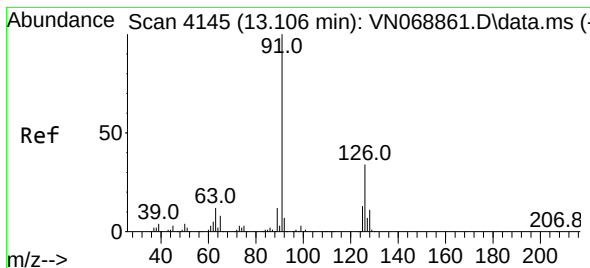
Tgt Ion:105 Resp: 12188
 Ion Ratio Lower Upper
 105 100
 120 1.5 23.4 70.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.233 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN069089.D
 Acq: 21 Oct 2021 15:37

Tgt Ion: 75 Resp: 137731
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.2#
 89 0.0 36.9 55.3#

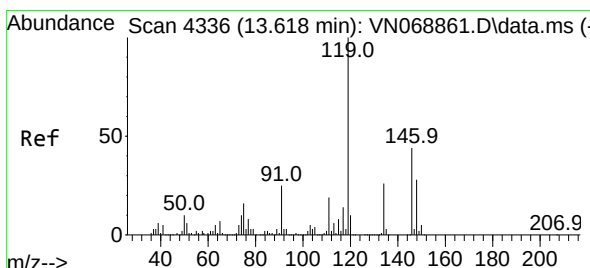
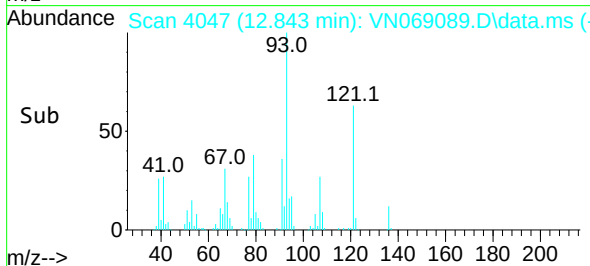
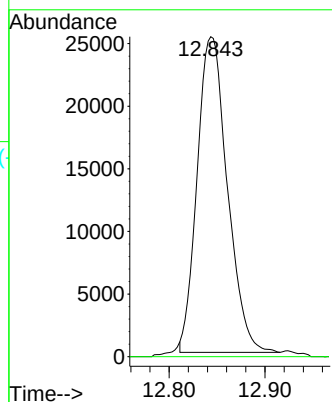
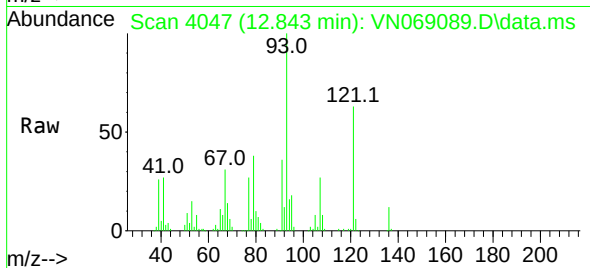




#82
4-Chlorotoluene
Concen: 4.690 ug/l
RT: 12.843 min Scan# 4047
Delta R.T. -0.263 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

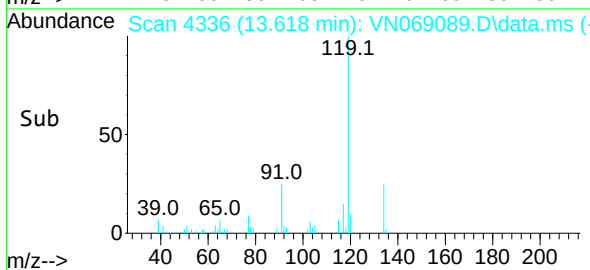
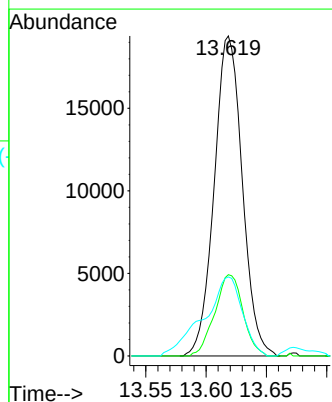
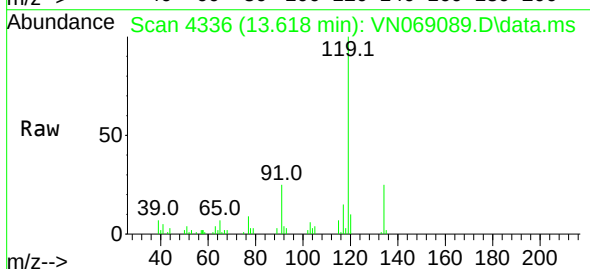
Instrument :
MSVOA_N
ClientSampled :

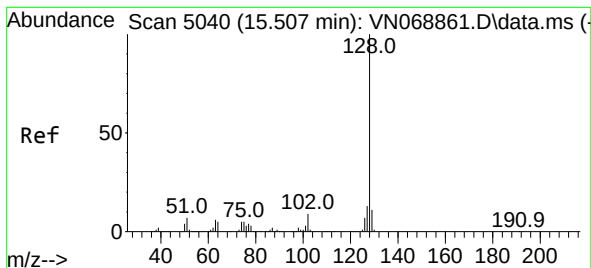
Tgt Ion: 91 Resp: 55253
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#



#86
p-Isopropyltoluene
Concen: 2.214 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

Tgt Ion: 119 Resp: 31386
Ion Ratio Lower Upper
119 100
134 25.5 12.9 38.6
91 33.9 12.8 38.4

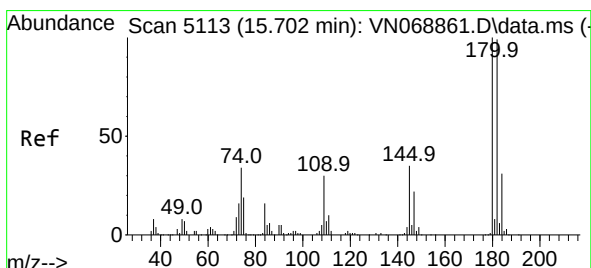
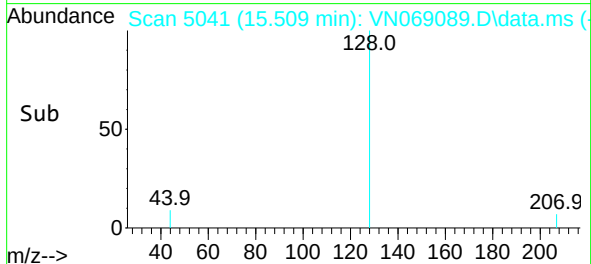
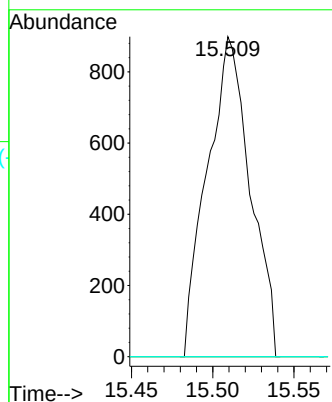
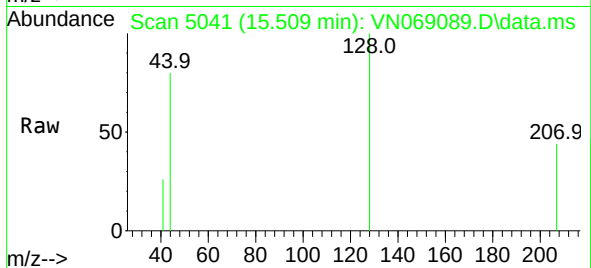




#95
Naphthalene
Concen: 3.968 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 1656
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.521 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069089.D
Acq: 21 Oct 2021 15:37

Tgt Ion:180 Resp: 26
Ion Ratio Lower Upper
180 100
182 338.5 48.1 144.3#
145 0.0 17.4 52.2#

