

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101521\
 Data File : VN068951.D
 Acq On : 15 Oct 2021 15:56
 Operator : JC/MD
 Sample : M4175-01MEDL 10X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 02:15:58 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)

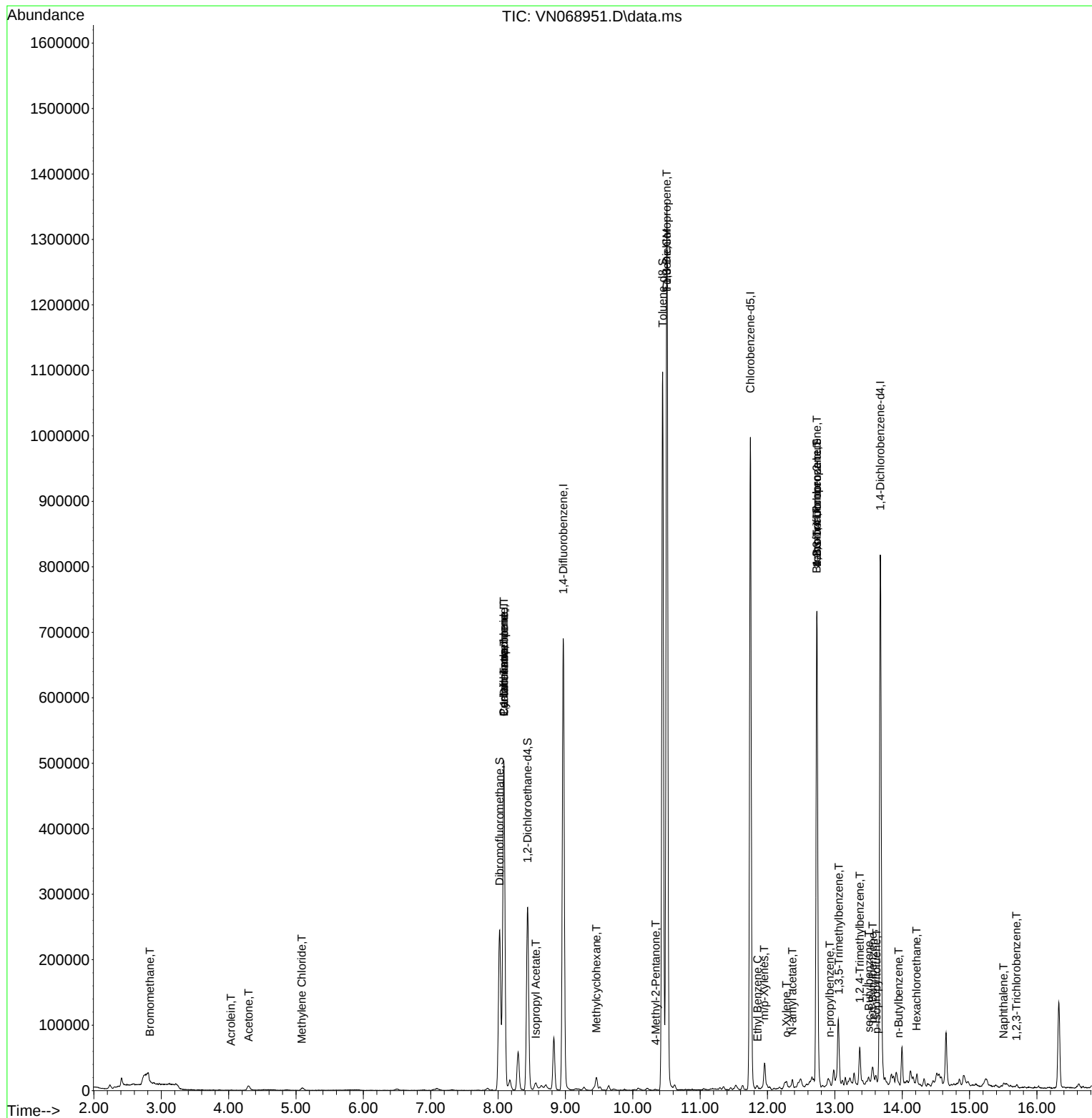
Internal Standards						
1) Pentafluorobenzene	8.086	168	364230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	629162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	581413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	216802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	232249	48.363	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.720%		
35) Dibromofluoromethane	8.024	113	182255	49.789	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.580%		
50) Toluene-d8	10.443	98	776666	53.028	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.060%		
62) 4-Bromofluorobenzene	12.734	95	266567	48.240	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.480%		
Target Compounds					Qvalue	
5) Bromomethane	2.832	94	1290	0.519	ug/l	84
13) Acrolein	4.033	56	107	0.276	ug/l #	1
16) Acetone	4.296	43	13287	7.414	ug/l	99
20) Methylene Chloride	5.085	84	1283	0.311	ug/l	92
31) Cyclohexane	8.086	56	14345	1.921	ug/l #	31
36) 1,1-Dichloropropene	8.086	75	29890	5.562	ug/l #	49
38) Carbon Tetrachloride	8.086	117	37818	6.408	ug/l #	15
39) Methylcyclohexane	9.459	83	7611	1.100	ug/l	93
43) Isopropyl Acetate	8.560	43	6782	0.693	ug/l #	55
51) 4-Methyl-2-Pentanone	10.341	43	1227	0.216	ug/l #	72
52) Toluene	10.505	92	607754	57.726	ug/l	99
53) t-1,3-Dichloropropene	10.505	75	7084	1.041	ug/l #	1
67) Ethyl Benzene	11.851	91	4352	0.213	ug/l	99
68) m/p-Xylenes	11.953	106	3630	0.469	ug/l	95
69) o-Xylene	12.280	106	2198	0.283	ug/l	89
71) Bromoform	12.731	173	826	0.239	ug/l #	1
74) N-amyl acetate	12.369	43	3207	0.469	ug/l #	58
76) 1,2,3-Trichloropropane	12.734	75	138517	30.028	ug/l #	1
78) n-propylbenzene	12.924	91	6828	0.337	ug/l	95
80) 1,3,5-Trimethylbenzene	13.061	105	11225	0.747	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.734	75	138517	71.840	ug/l #	12
83) tert-Butylbenzene	13.560	119	4061	0.310	ug/l	72
84) 1,2,4-Trimethylbenzene	13.369	105	34174	2.360	ug/l	100
85) sec-Butylbenzene	13.503	105	3881	0.214	ug/l	91
86) p-Isopropyltoluene	13.619	119	3420	0.235	ug/l #	85
89) n-Butylbenzene	13.946	91	4128	0.341	ug/l #	79
90) Hexachloroethane	14.214	117	881	0.289	ug/l #	12
95) Naphthalene	15.504	128	6390	4.398	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.697	180	51	2.528	ug/l #	12

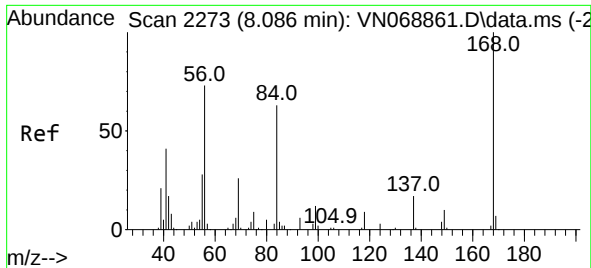
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
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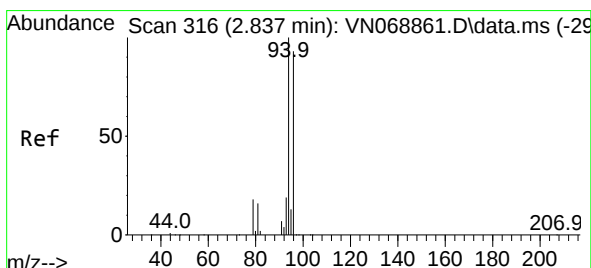
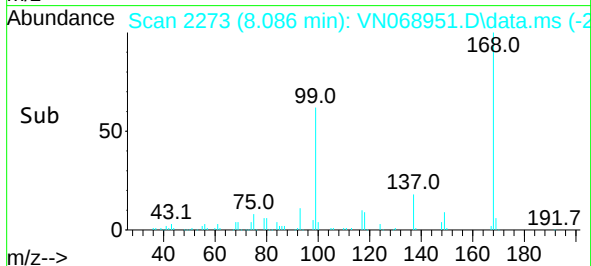
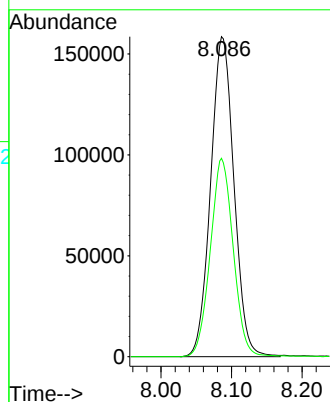
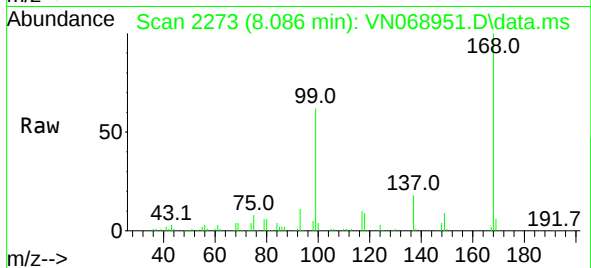




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

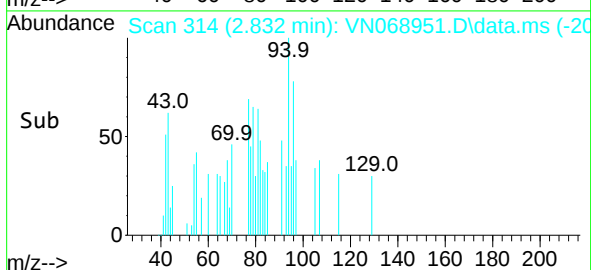
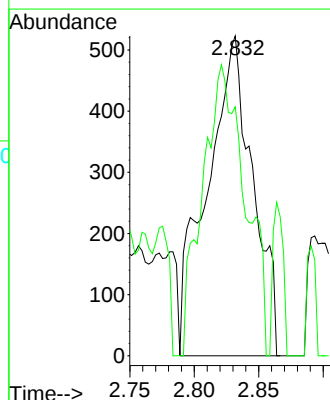
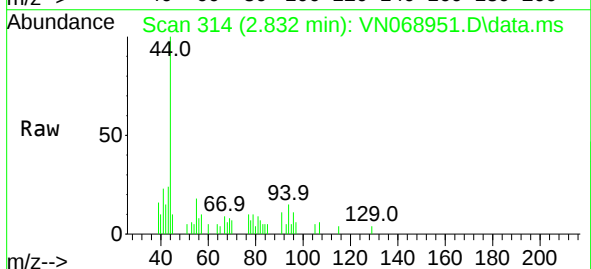
Instrument :
MSVOA_N
ClientSampled :

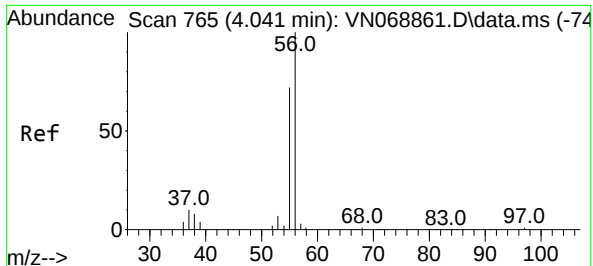
Tgt Ion:168 Resp: 364230
Ion Ratio Lower Upper
168 100
99 62.0 48.9 73.3



#5
Bromomethane
Concen: 0.519 ug/l
RT: 2.832 min Scan# 314
Delta R.T. -0.005 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion: 94 Resp: 1290
Ion Ratio Lower Upper
94 100
96 77.8 74.2 111.4

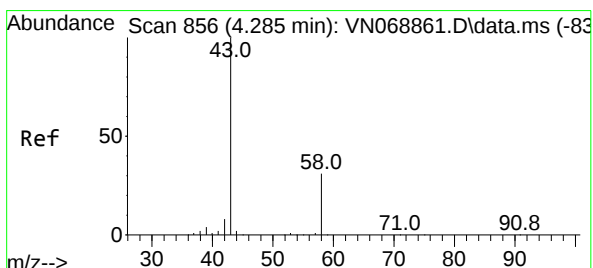
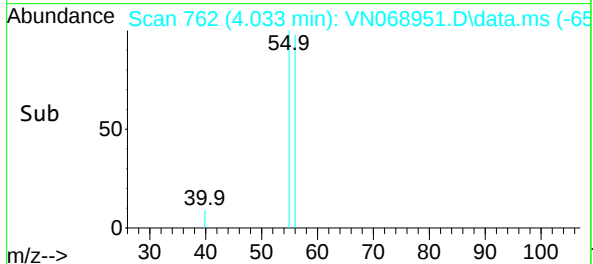
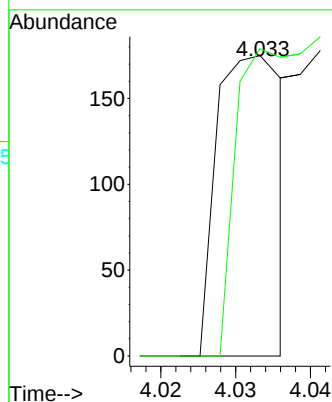
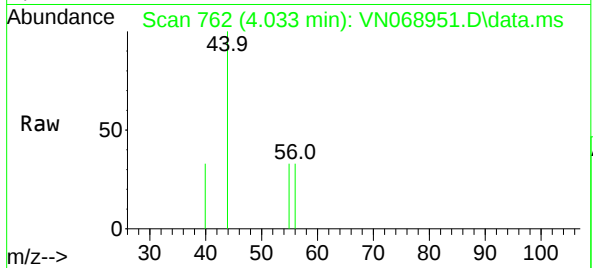




#13
Acrolein
Concen: 0.276 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

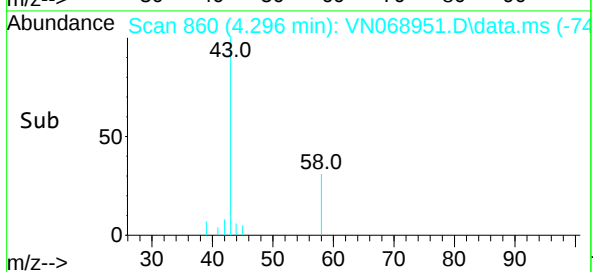
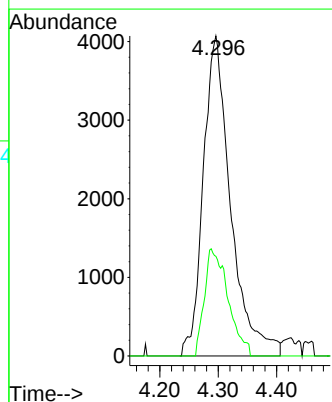
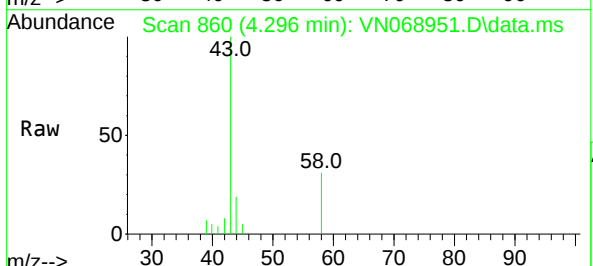
Instrument :
MSVOA_N
ClientSampled :

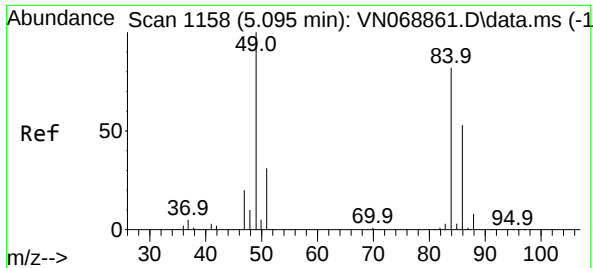
Tgt Ion: 56 Resp: 107
Ion Ratio Lower Upper
56 100
55 186.9 58.1 87.1#



#16
Acetone
Concen: 7.414 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

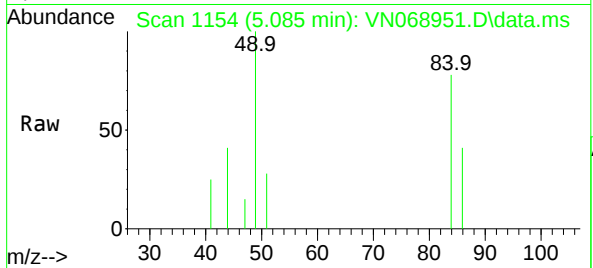
Tgt Ion: 43 Resp: 13287
Ion Ratio Lower Upper
43 100
58 31.2 24.5 36.7



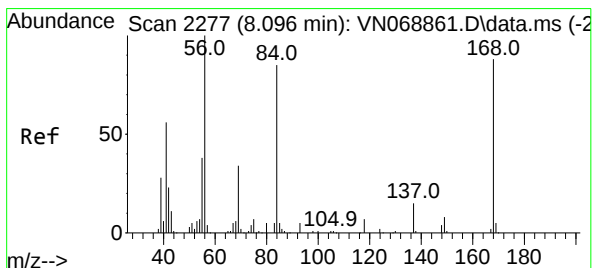
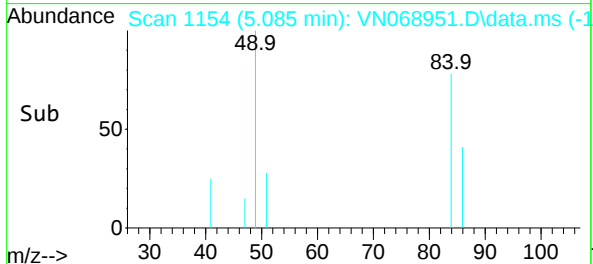
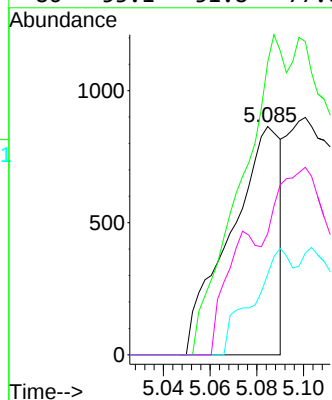


#20
Methylene Chloride
Concen: 0.311 ug/l
RT: 5.085 min Scan# 1154
Delta R.T. -0.011 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Instrument :
MSVOA_N
ClientSampleId :

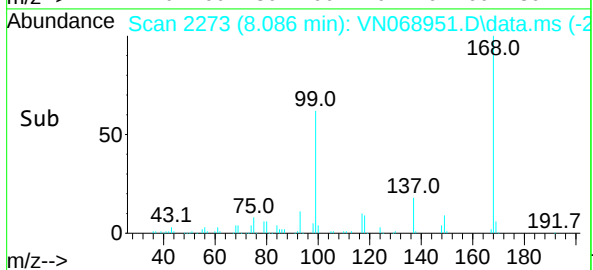
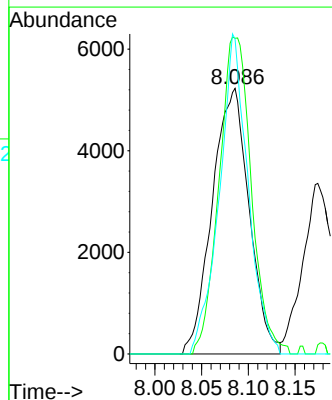
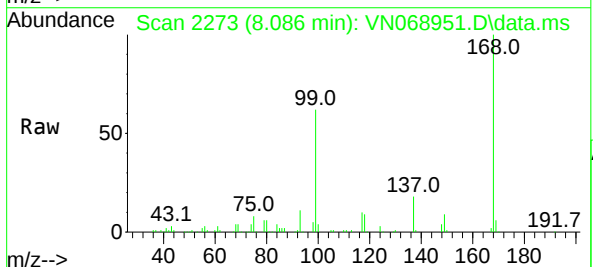


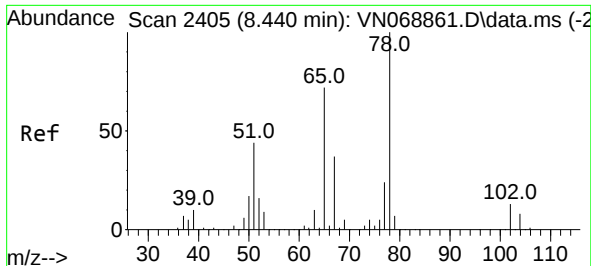
Tgt Ion:	84	Resp:	1283
Ion	Ratio	Lower	Upper
84	100		
49	128.2	97.6	146.4
51	35.3	30.3	45.5
86	53.1	51.8	77.6



#31
Cyclohexane
Concen: 1.921 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion:	56	Resp:	14345
Ion	Ratio	Lower	Upper
56	100		
69	118.9	26.9	40.3#
84	118.5	67.6	101.4#



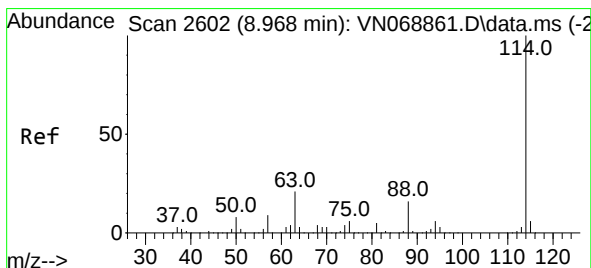
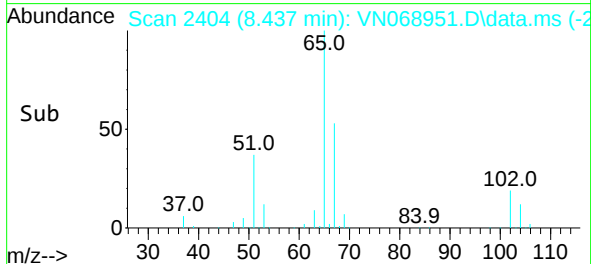
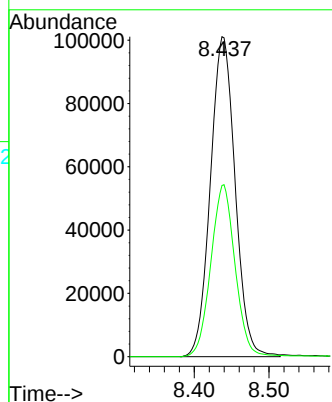
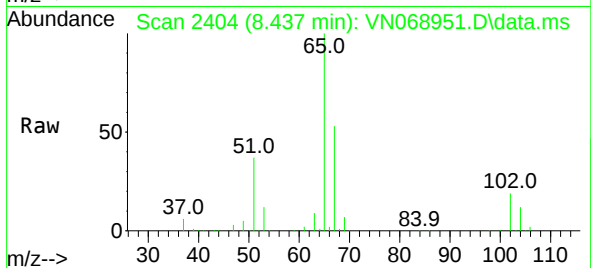


#33

1,2-Dichloroethane-d4
Concen: 48.363 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Instrument :
MSVOA_N
ClientSampled :

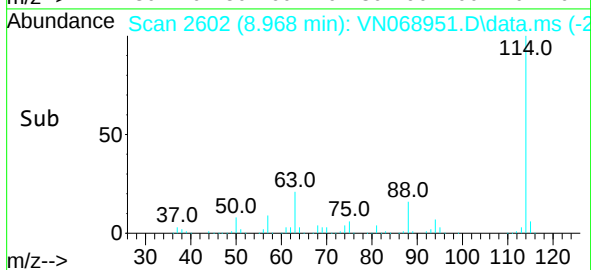
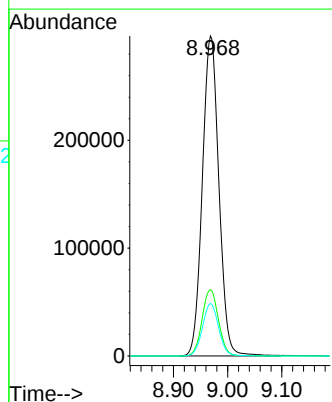
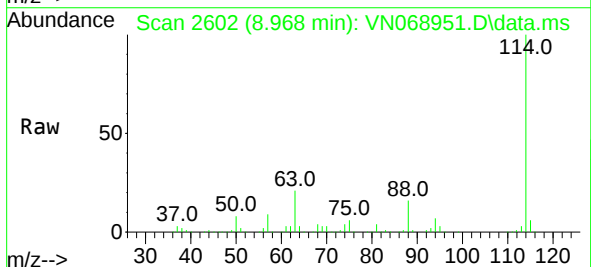
Tgt Ion: 65 Resp: 232249
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.8

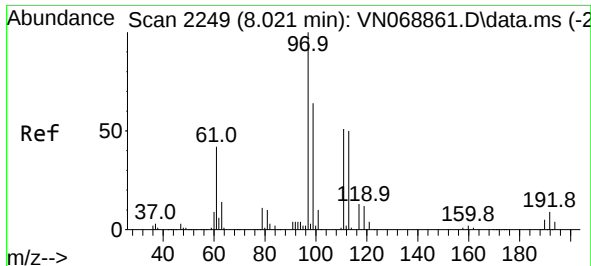


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion: 114 Resp: 629162
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 16.4 0.0 32.0

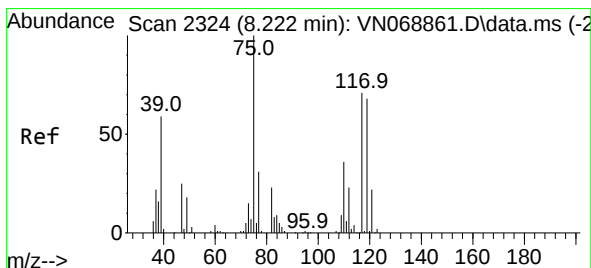
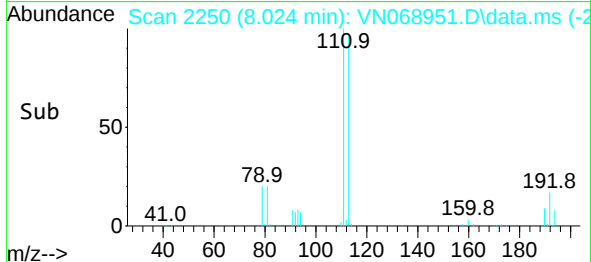
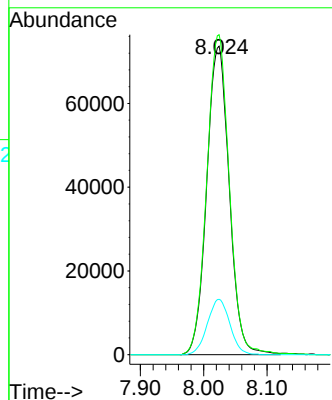
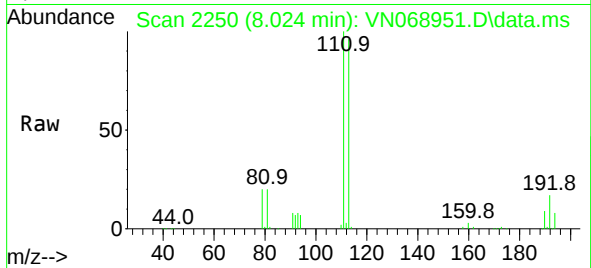




#35
Dibromofluoromethane
Concen: 49.789 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

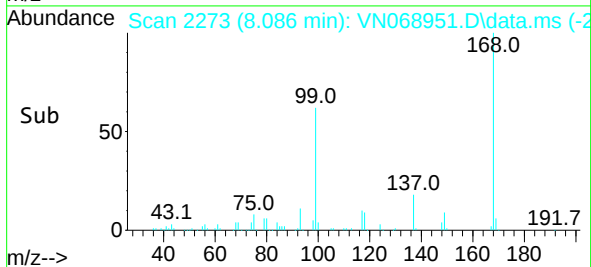
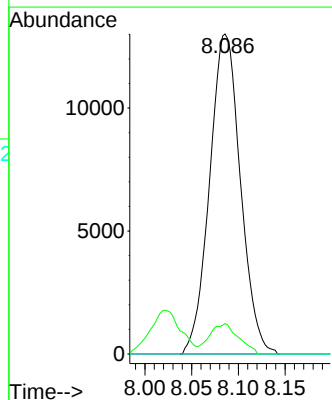
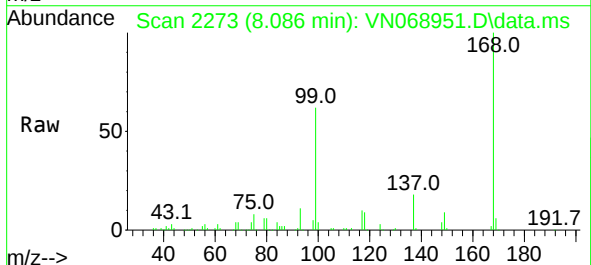
Instrument :
MSVOA_N
ClientSampled :

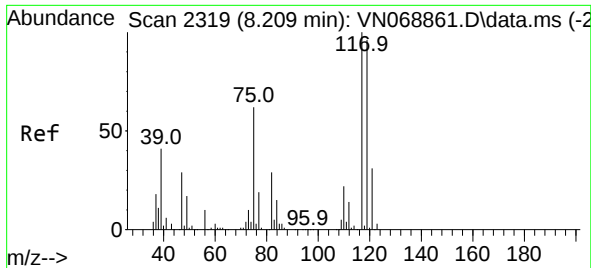
Tgt Ion:113 Resp: 182255
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 17.9 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.562 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion: 75 Resp: 29890
Ion Ratio Lower Upper
75 100
110 9.0 17.9 53.8#
77 0.0 24.7 37.1#

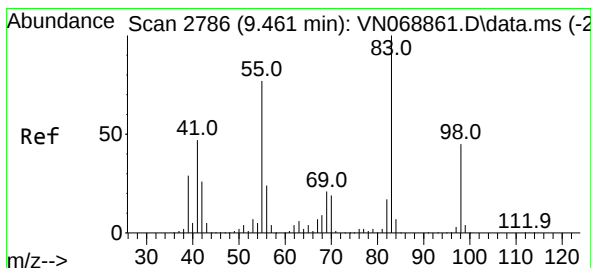
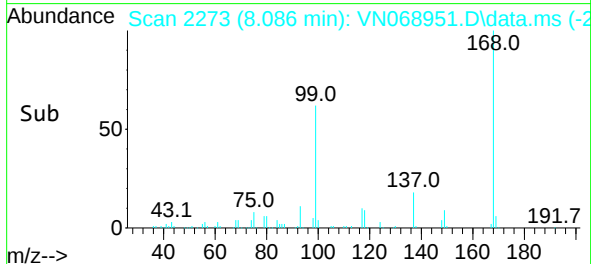
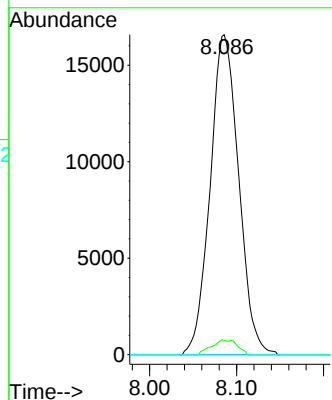
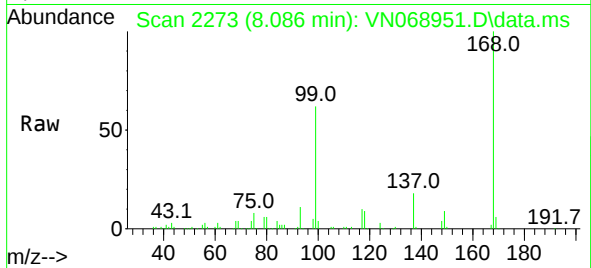




#38
Carbon Tetrachloride
Concen: 6.408 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

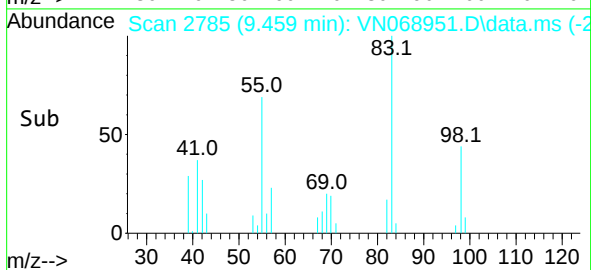
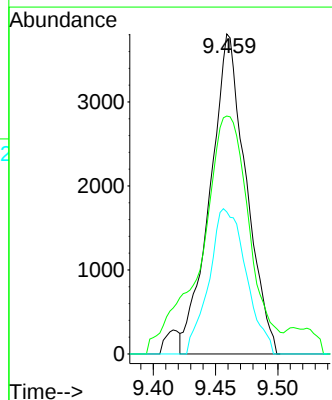
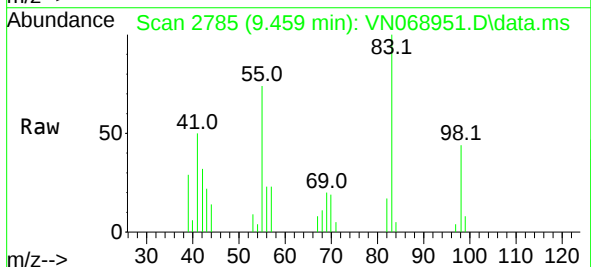
Instrument :
MSVOA_N
ClientSampled :

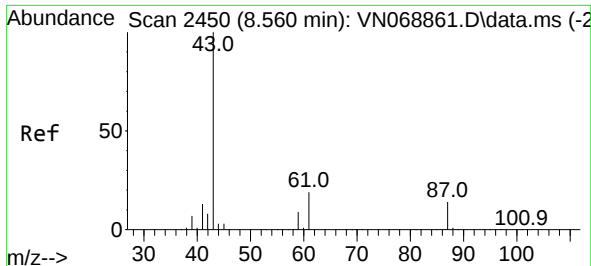
Tgt Ion:117 Resp: 37818
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 1.100 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.003 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion: 83 Resp: 7611
Ion Ratio Lower Upper
83 100
55 67.6 61.4 92.0
98 44.4 36.4 54.6

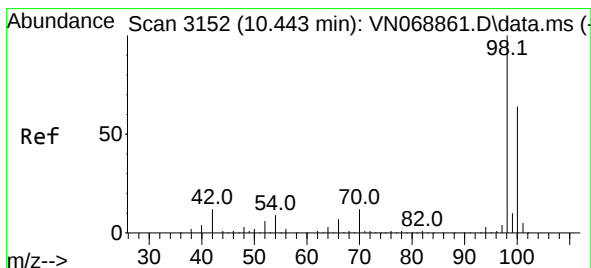
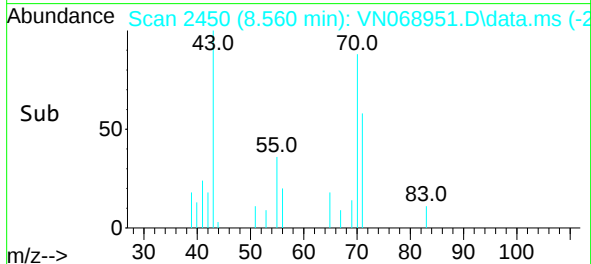
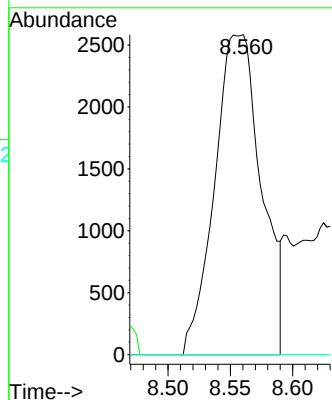
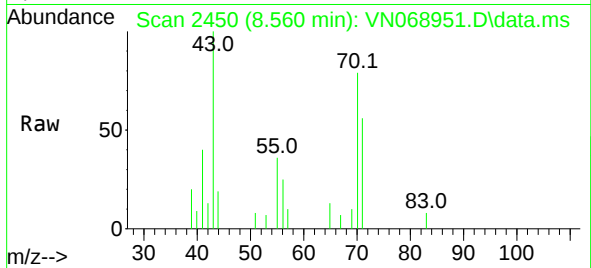




#43
Isopropyl Acetate
Concen: 0.693 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

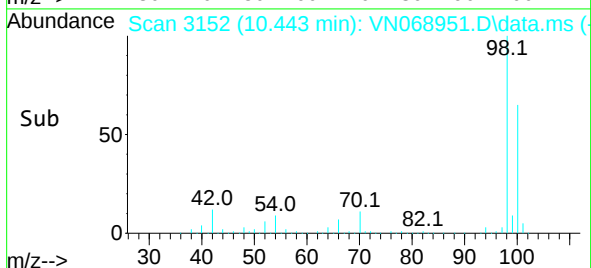
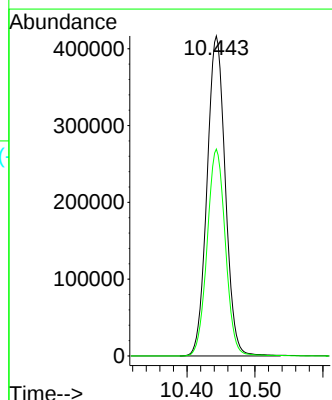
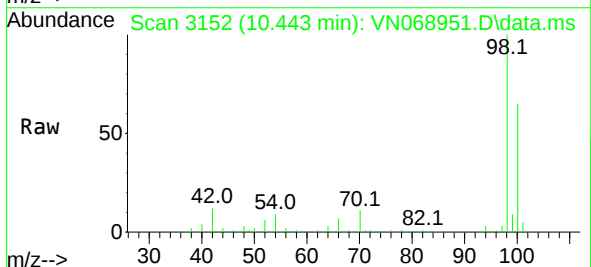
Instrument :
MSVOA_N
ClientSampled :

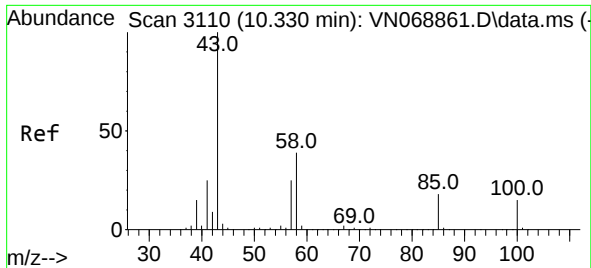
Tgt Ion: 43 Resp: 6782
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 53.028 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion: 98 Resp: 776666
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3

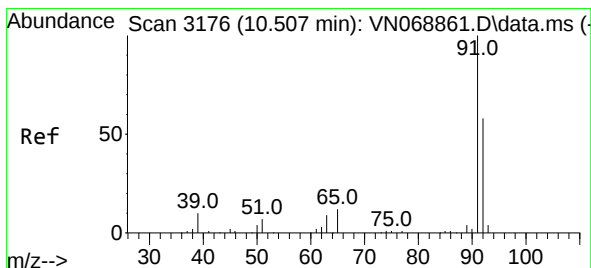
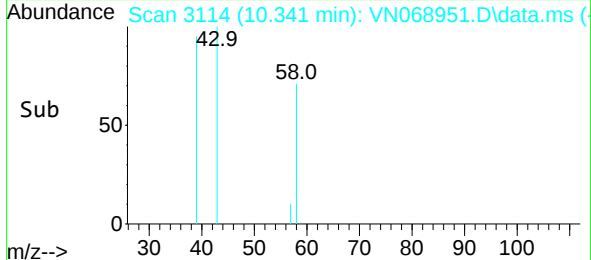
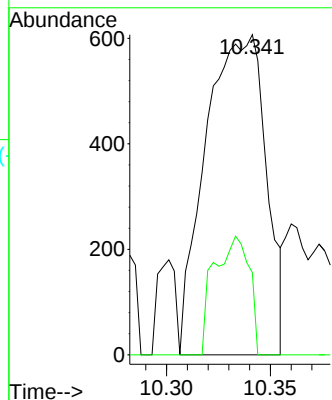
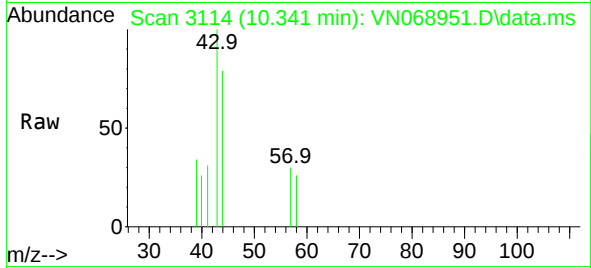




#51
4-Methyl-2-Pentanone
Concen: 0.216 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.011 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

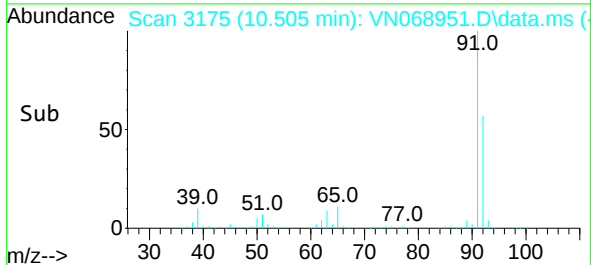
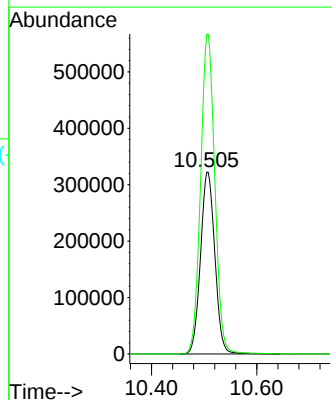
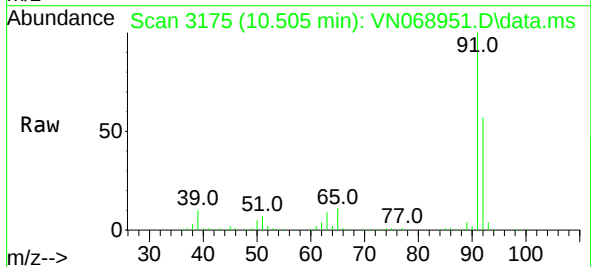
Instrument :
MSVOA_N
ClientSampled :

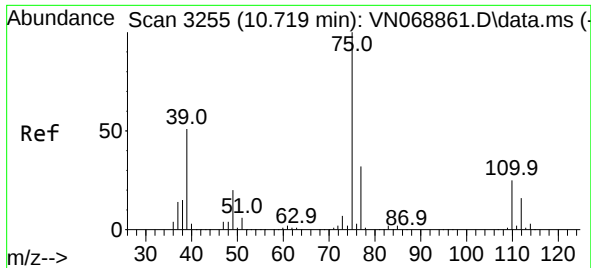
Tgt Ion: 43 Resp: 1227
Ion Ratio Lower Upper
43 100
58 21.5 31.0 46.4#



#52
Toluene
Concen: 57.726 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion: 92 Resp: 607754
Ion Ratio Lower Upper
92 100
91 174.7 138.5 207.7

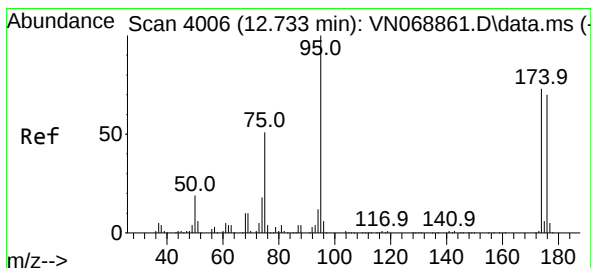
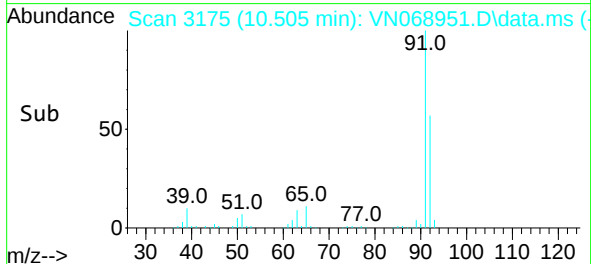
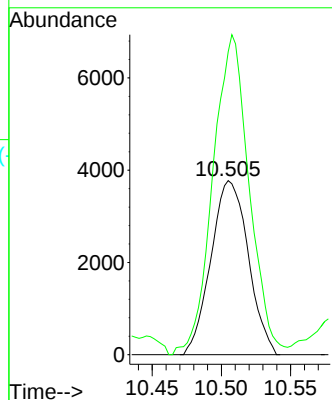
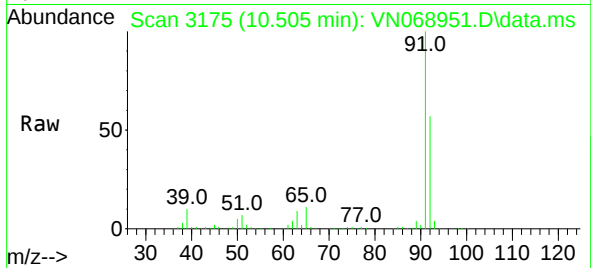




#53
t-1,3-Dichloropropene
Concen: 1.041 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.214 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

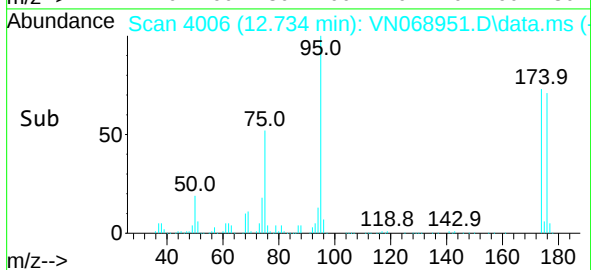
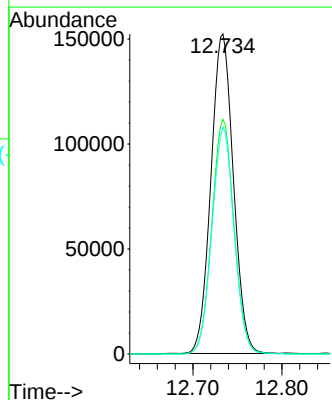
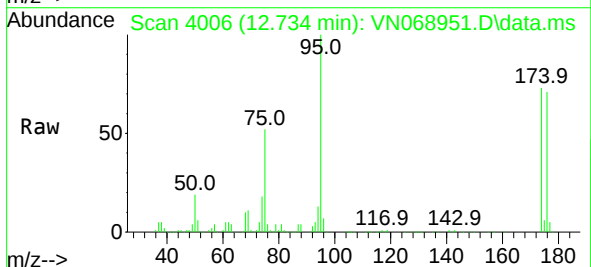
Instrument :
MSVOA_N
ClientSampled :

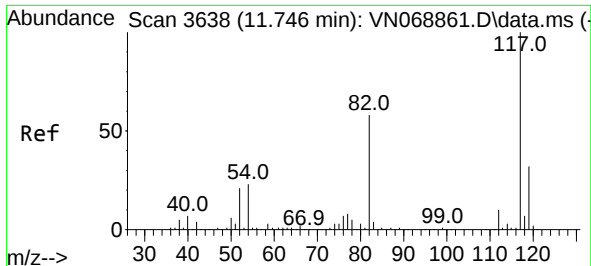
Tgt Ion: 75 Resp: 7084
Ion Ratio Lower Upper
75 100
77 169.5 25.4 38.2#



#62
4-Bromofluorobenzene
Concen: 48.240 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion: 95 Resp: 266567
Ion Ratio Lower Upper
95 100
174 72.6 0.0 144.8
176 70.3 0.0 140.0

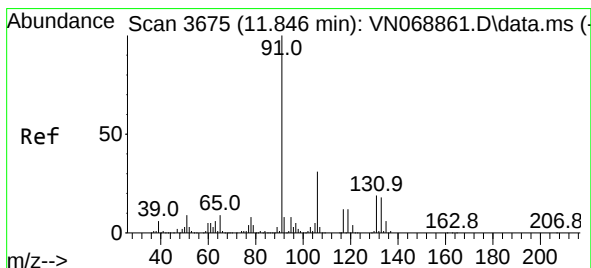
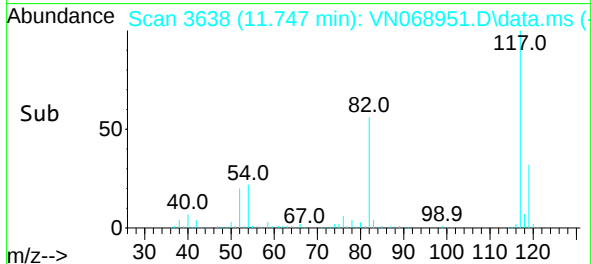
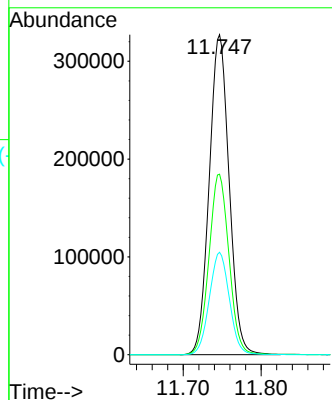
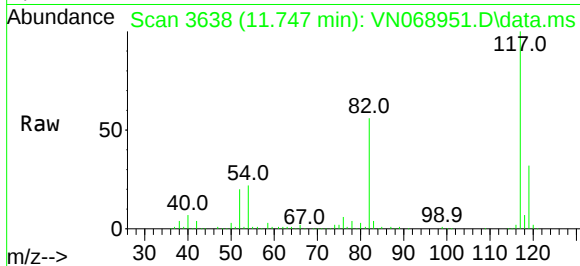




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

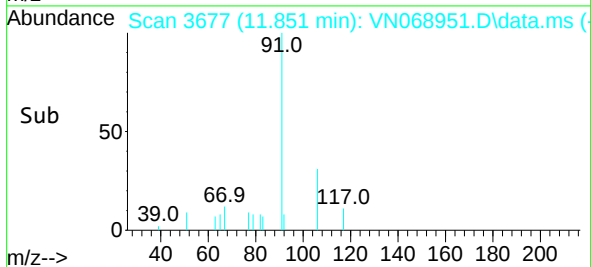
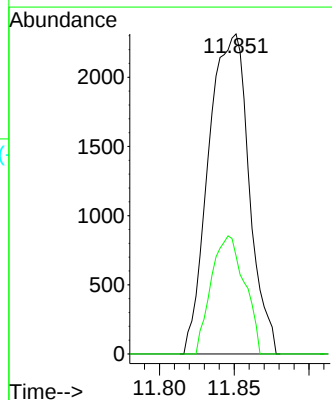
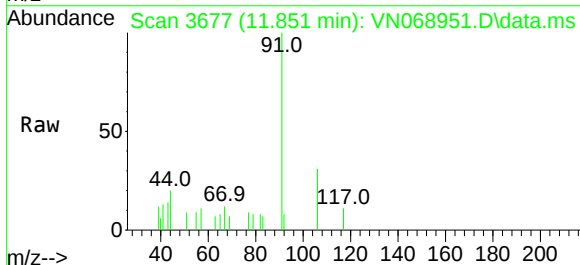
Instrument :
MSVOA_N
ClientSampleId :

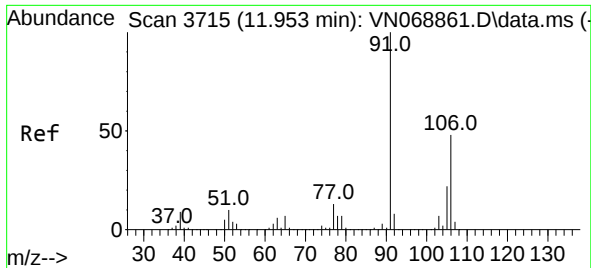
Tgt Ion:117 Resp: 581413
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 32.0 26.0 39.0



#67
Ethyl Benzene
Concen: 0.213 ug/l
RT: 11.851 min Scan# 3677
Delta R.T. 0.005 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion: 91 Resp: 4352
Ion Ratio Lower Upper
91 100
106 30.7 24.8 37.2

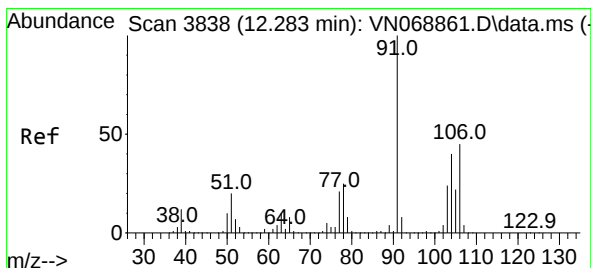
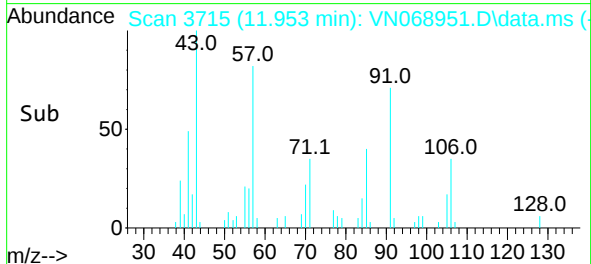
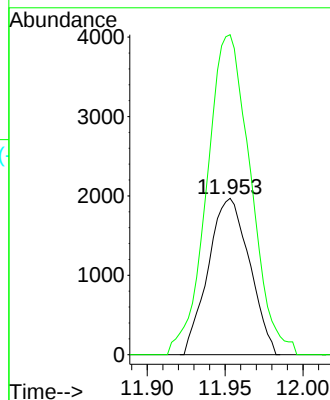
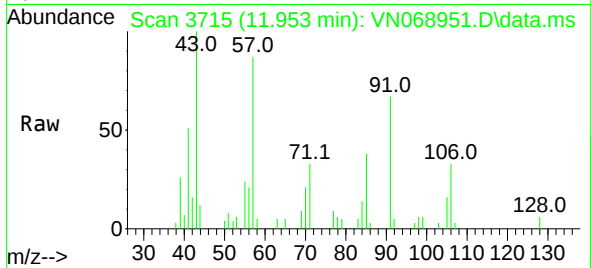




#68
m/p-Xylenes
Concen: 0.469 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

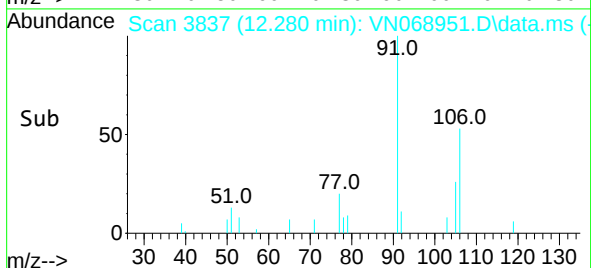
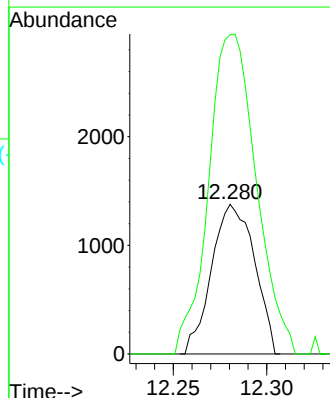
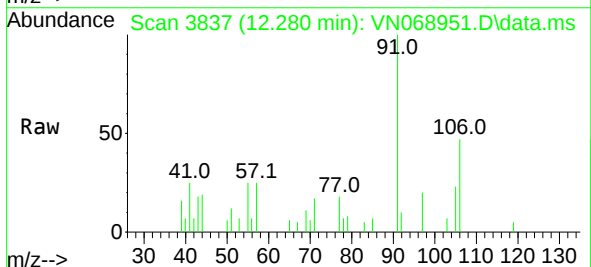
Instrument :
MSVOA_N
ClientSampled :

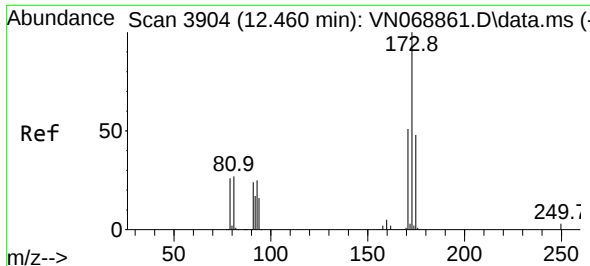
Tgt Ion:106 Resp: 3630
Ion Ratio Lower Upper
106 100
91 216.3 166.8 250.2



#69
o-Xylene
Concen: 0.283 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion:106 Resp: 2198
Ion Ratio Lower Upper
106 100
91 237.0 109.6 328.6

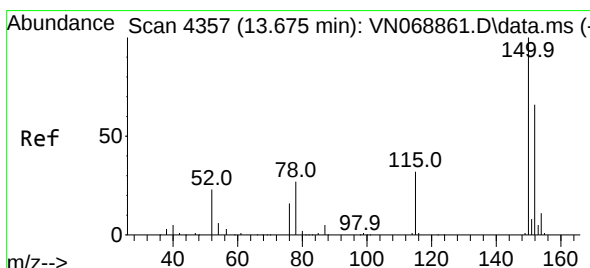
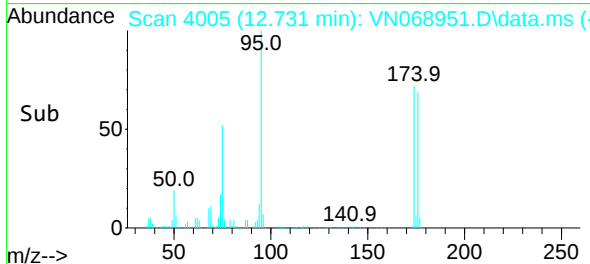
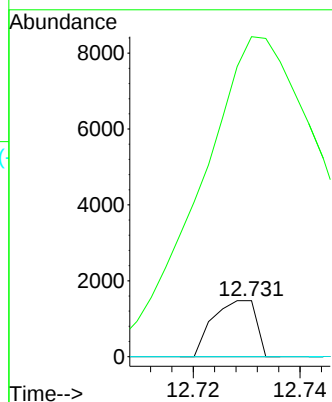
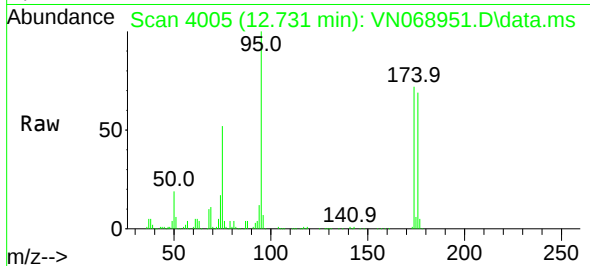




#71
Bromoform
Concen: 0.239 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

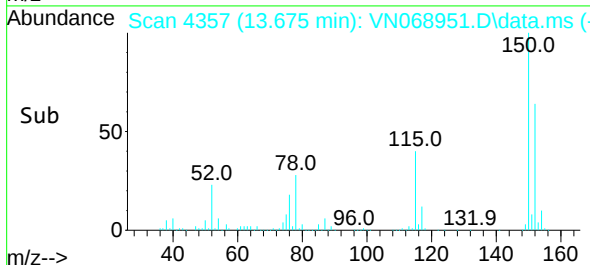
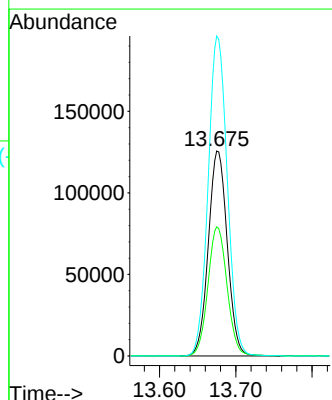
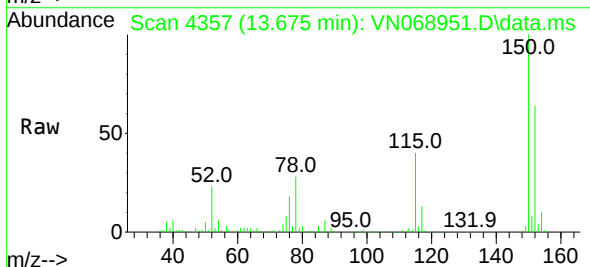
Instrument :
MSVOA_N
ClientSampleId :

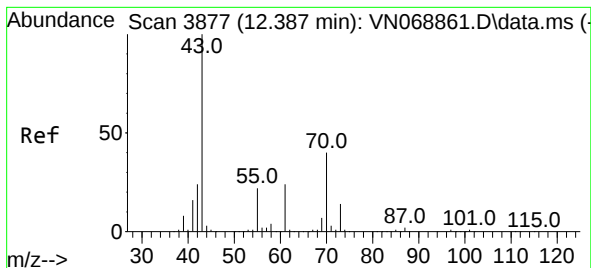
Tgt Ion:173 Resp: 826
Ion Ratio Lower Upper
173 100
175 1601.5 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.000 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion:152 Resp: 216802
Ion Ratio Lower Upper
152 100
115 63.8 31.4 94.3
150 157.5 0.0 351.0

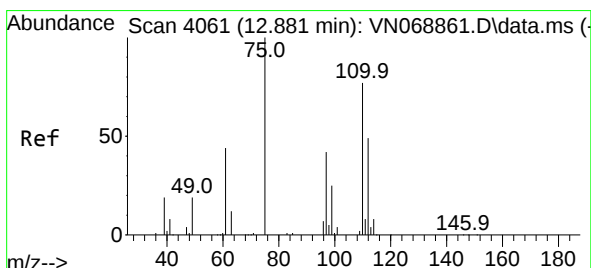
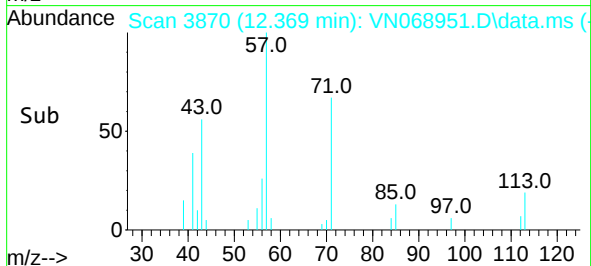
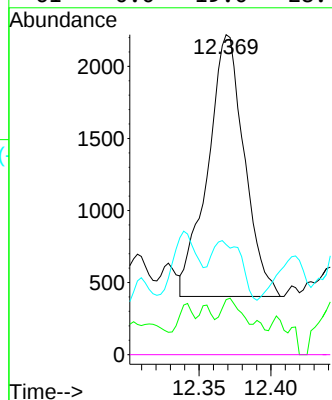
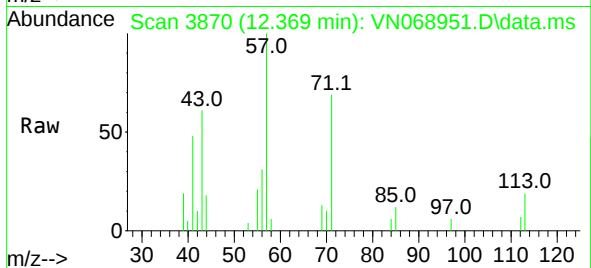




#74
N-amy1 acetate
Concen: 0.469 ug/l
RT: 12.369 min Scan# 3870
Delta R.T. -0.019 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

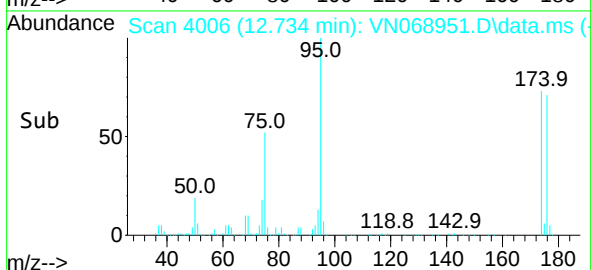
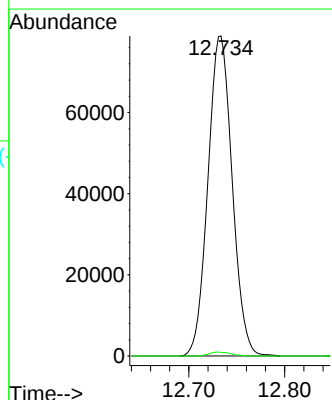
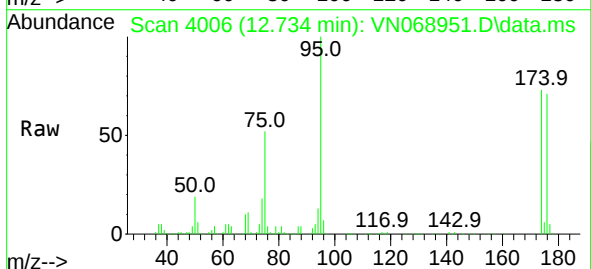
Instrument :
MSVOA_N
ClientSampled :

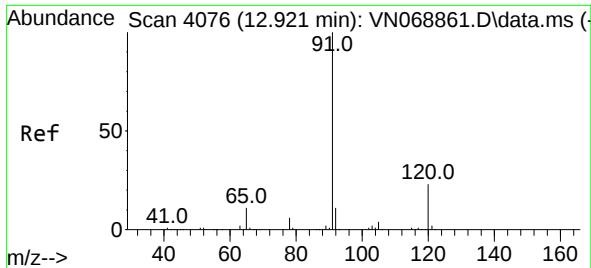
Tgt Ion:	43	Resp:	3207
Ion	Ratio	Lower	Upper
43	100		
70	5.0	32.2	48.2#
55	17.8	18.0	27.0#
61	0.0	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 30.028 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion:	75	Resp:	138517
Ion	Ratio	Lower	Upper
75	100		
77	1.1	96.2	288.4#

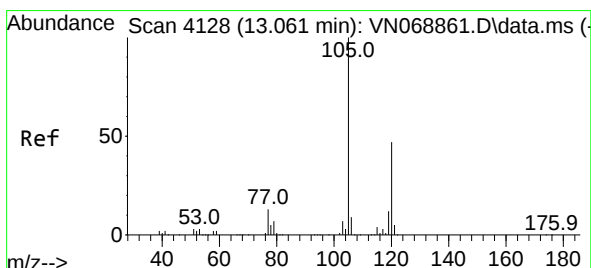
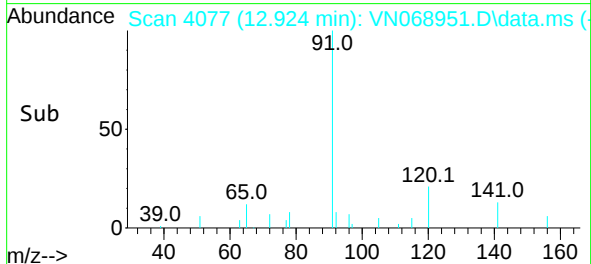
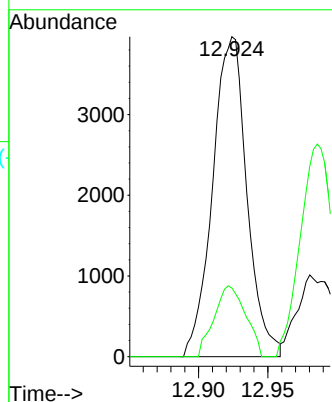
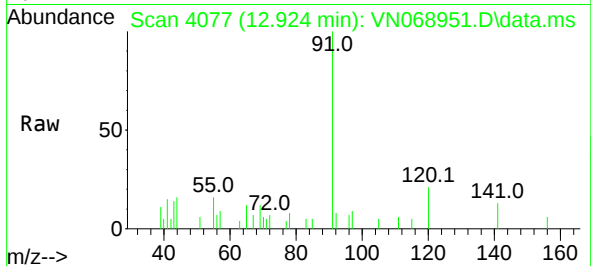




#78
n-propylbenzene
Concen: 0.337 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. 0.003 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

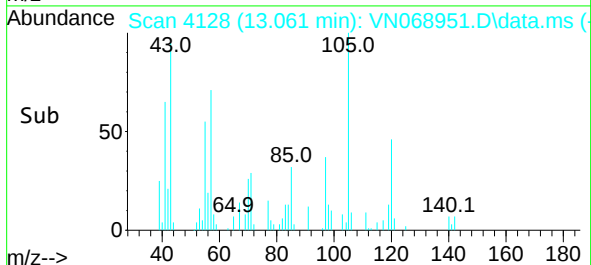
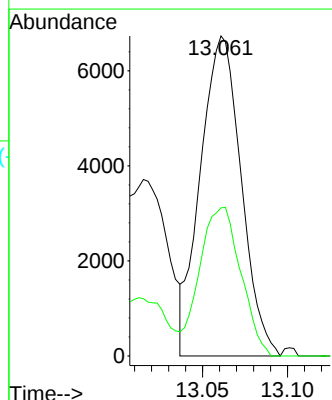
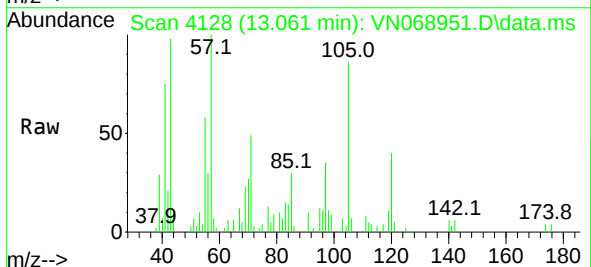
Instrument :
MSVOA_N
ClientSampled :

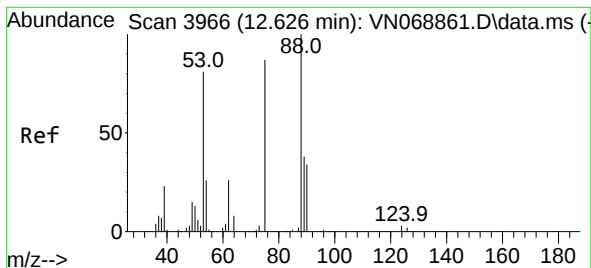
Tgt Ion: 91 Resp: 6828
Ion Ratio Lower Upper
91 100
120 20.3 11.4 34.1



#80
1,3,5-Trimethylbenzene
Concen: 0.747 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion: 105 Resp: 11225
Ion Ratio Lower Upper
105 100
120 46.9 23.4 70.2

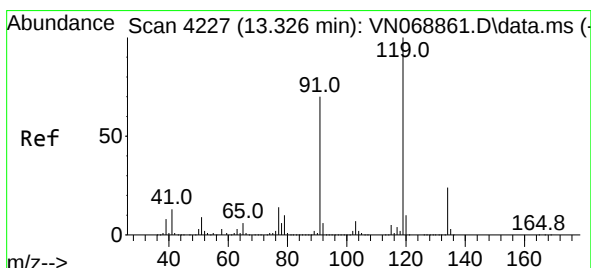
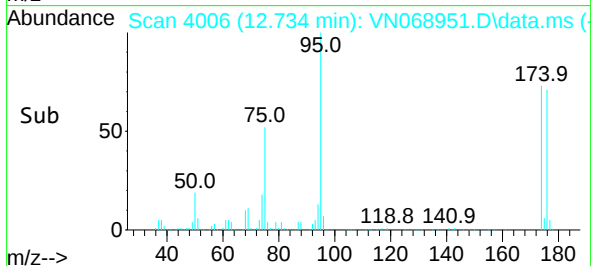
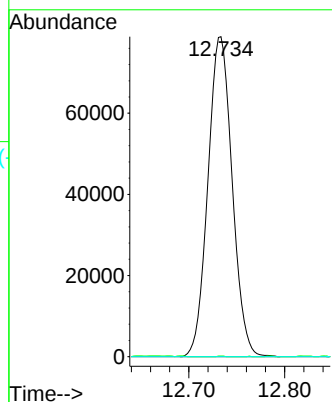
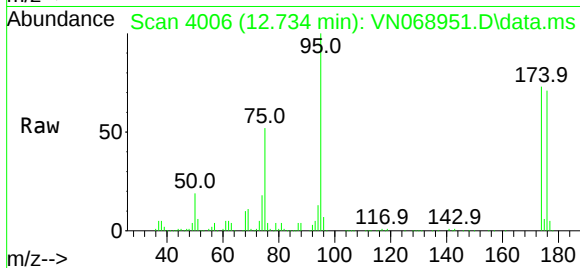




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.840 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN068951.D
 Acq: 15 Oct 2021 15:56

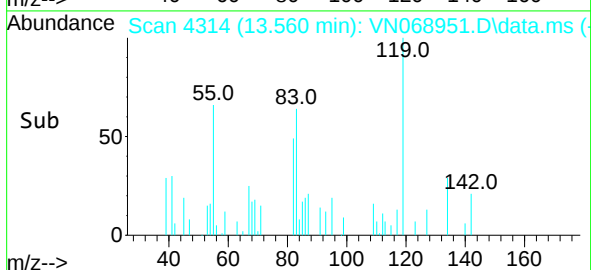
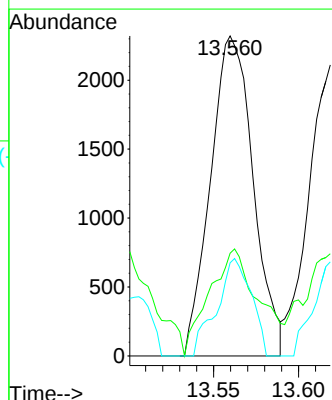
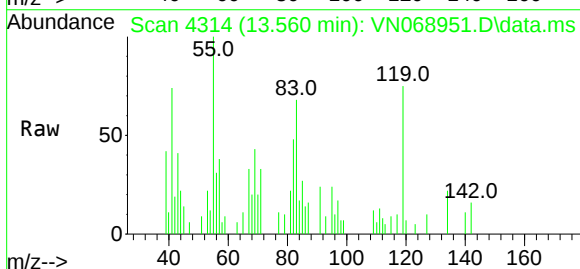
Instrument :
 MSVOA_N
 ClientSampleId :

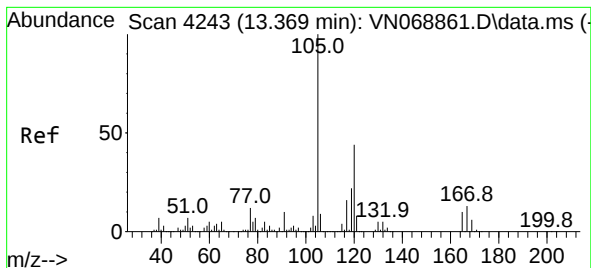
Tgt Ion: 75 Resp: 138517
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.4 113.2#
 89 0.0 36.9 55.3#



#83
 tert-Butylbenzene
 Concen: 0.310 ug/l
 RT: 13.560 min Scan# 4314
 Delta R.T. 0.233 min
 Lab File: VN068951.D
 Acq: 15 Oct 2021 15:56

Tgt Ion: 119 Resp: 4061
 Ion Ratio Lower Upper
 119 100
 91 38.8 34.6 103.9
 134 24.6 12.6 37.6





#84

1,2,4-Trimethylbenzene

Concen: 2.360 ug/l

RT: 13.369 min Scan# 4243

Delta R.T. 0.000 min

Lab File: VN068951.D

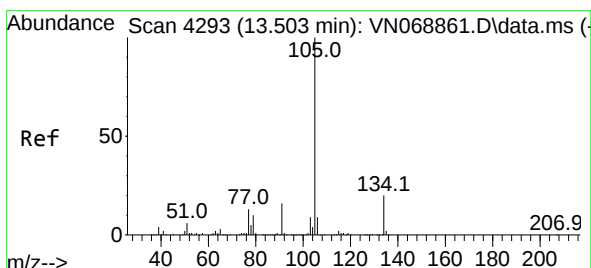
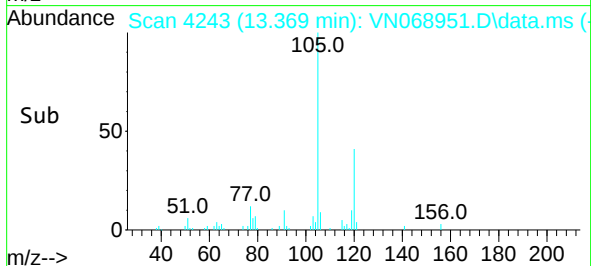
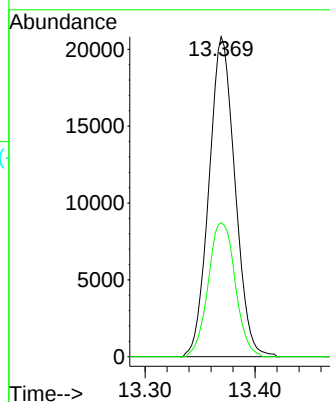
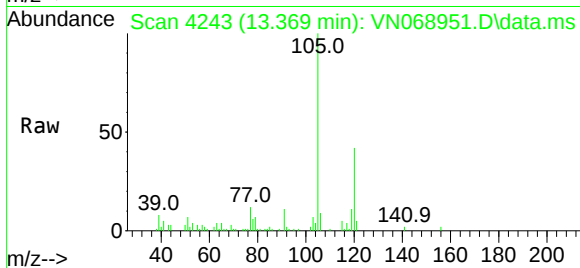
Acq: 15 Oct 2021 15:56

Tgt Ion:105 Resp: 34174

Ion Ratio Lower Upper

105 100

120 43.5 21.9 65.5



#85

sec-Butylbenzene

Concen: 0.214 ug/l

RT: 13.503 min Scan# 4293

Delta R.T. 0.000 min

Lab File: VN068951.D

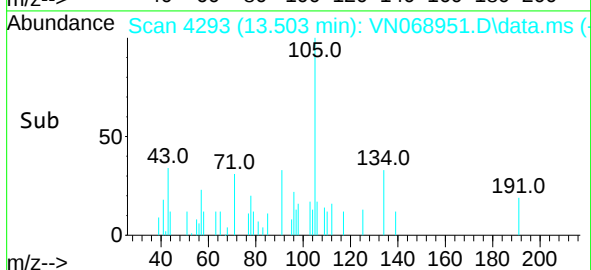
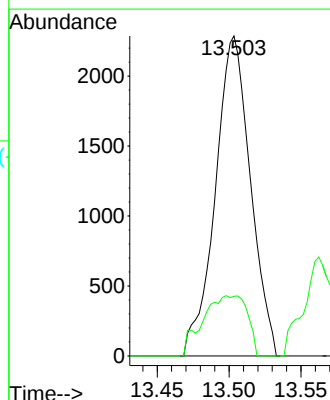
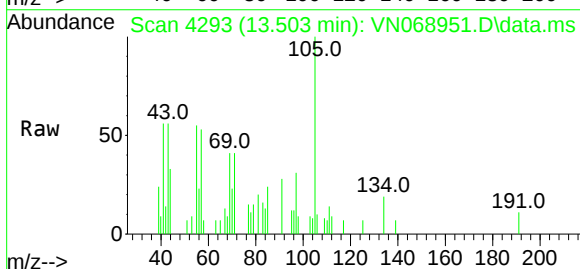
Acq: 15 Oct 2021 15:56

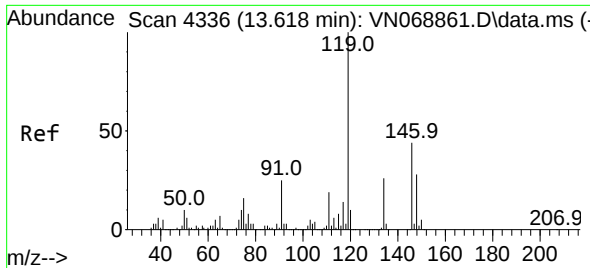
Tgt Ion:105 Resp: 3881

Ion Ratio Lower Upper

105 100

134 23.8 9.8 29.4

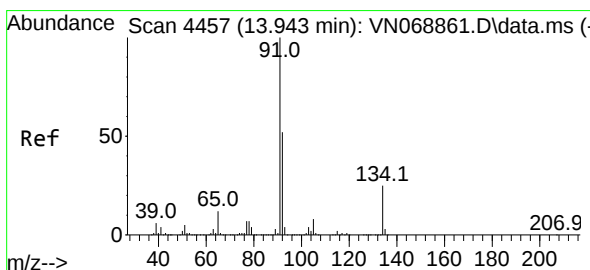
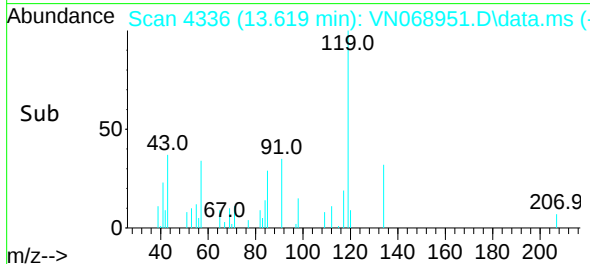
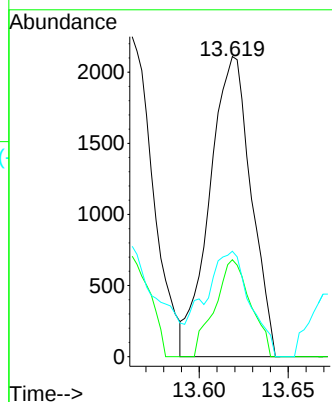
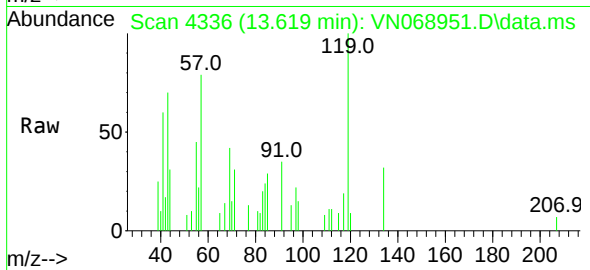




#86
p-Isopropyltoluene
Concen: 0.235 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

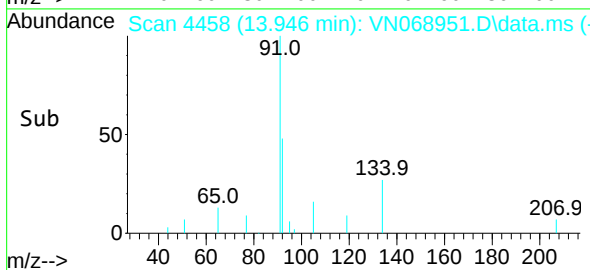
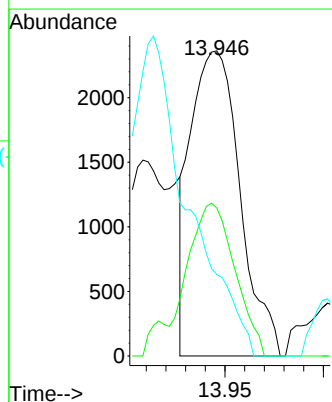
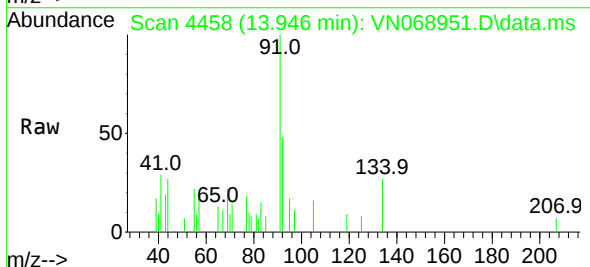
Instrument :
MSVOA_N
ClientSampled :

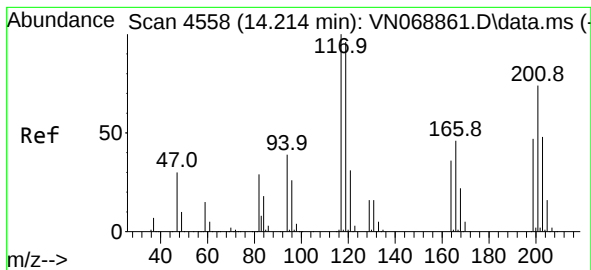
Tgt Ion:119 Resp: 3420
Ion Ratio Lower Upper
119 100
134 27.7 12.9 38.6
91 38.4 12.8 38.4#



#89
n-Butylbenzene
Concen: 0.341 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

Tgt Ion: 91 Resp: 4128
Ion Ratio Lower Upper
91 100
92 47.1 26.0 78.0
134 0.0 12.5 37.5#

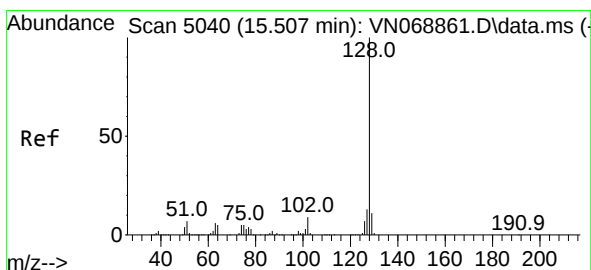
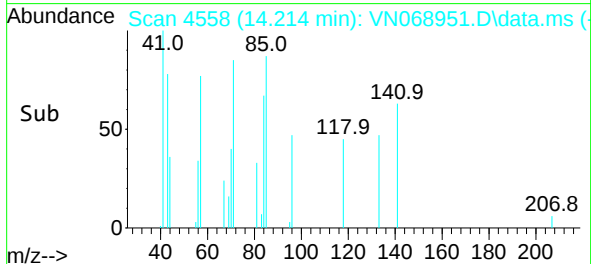
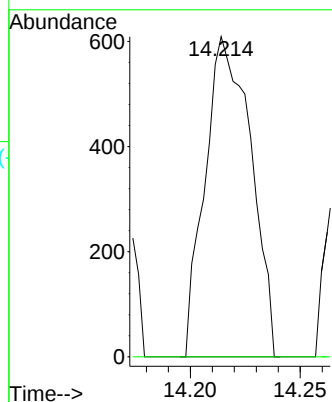
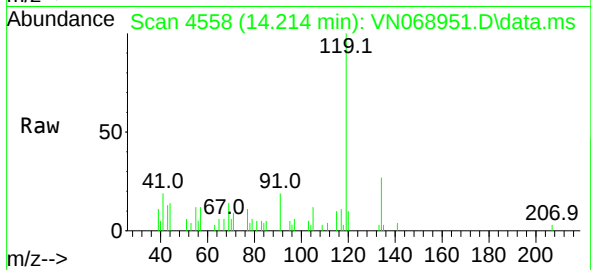




#90
Hexachloroethane
Concen: 0.289 ug/l
RT: 14.214 min Scan# 4558
Delta R.T. 0.000 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

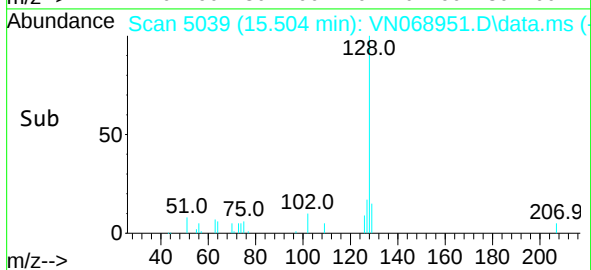
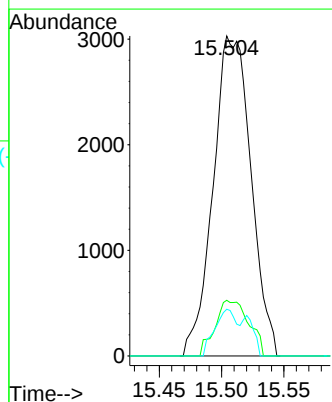
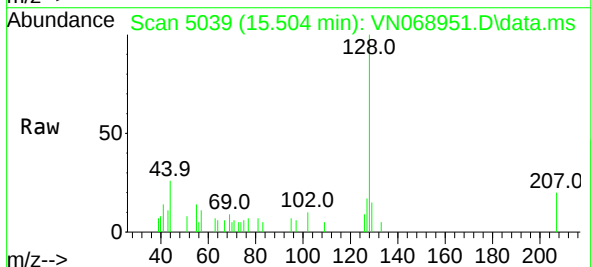
Instrument :
MSVOA_N
ClientSampled :

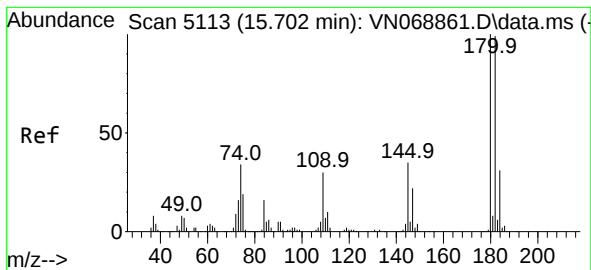
Tgt Ion:117 Resp: 881
Ion Ratio Lower Upper
117 100
201 0.0 37.1 111.5#



#95
Naphthalene
Concen: 4.398 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN068951.D
Acq: 15 Oct 2021 15:56

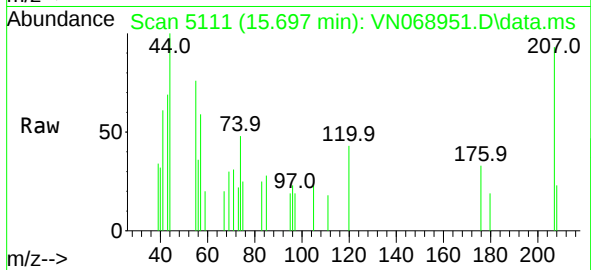
Tgt Ion:128 Resp: 6390
Ion Ratio Lower Upper
128 100
127 15.5 10.5 15.7
129 8.7 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.528 ug/l
 RT: 15.697 min Scan# 5111
 Delta R.T. -0.005 min
 Lab File: VN068951.D
 Acq: 15 Oct 2021 15:56

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	51
Ion Ratio	Lower	Upper	
180	100		
182	0.0	48.1	144.3#
145	0.0	17.4	52.2#

