

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102521\
 Data File : VN069147.D
 Acq On : 25 Oct 2021 12:11
 Operator : JC/MD
 Sample : VN1025WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 26 03:34:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 22 13:15:19 2021
 Response via : Initial Calibration

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

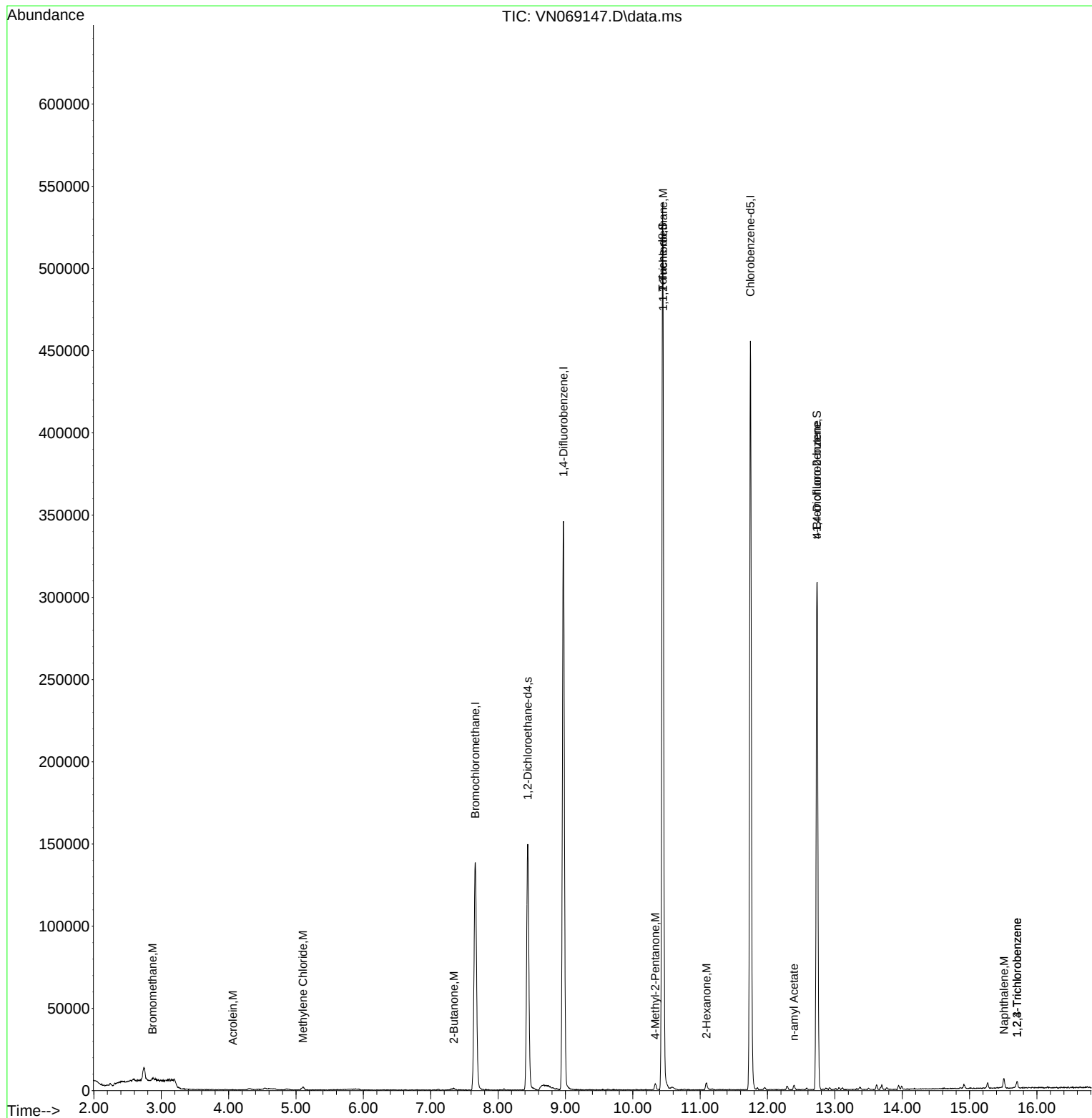
Internal Standards						
1) Bromochloromethane	7.662	128	52306	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	314308	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	269826	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	127293	31.245	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.133%			
60) 4-Bromofluorobenzene	12.734	95	116823	25.250	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 84.167%			
63) Toluene-d8	10.443	98	377523	30.968	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.233%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.872	94	772	0.275	ug/l #	46
13) Acrolein	4.063	56	108	0.320	ug/l #	74
18) Methylene Chloride	5.103	84	870	0.249	ug/l #	83
30) 2-Butanone	7.343	43	669	0.282	ug/l #	53
47) n-amyl Acetate	12.393	43	1897	0.260	ug/l #	85
50) 1,1,2-Trichloroethane	10.451	97	13451	3.559	ug/l #	1
58) 4-Methyl-2-Pentanone	10.333	43	2998	0.659	ug/l #	88
59) 2-Hexanone	11.095	43	3882	1.129	ug/l #	87
77) t-1,4-Dichloro-2-butene	12.734	75	61530	35.814	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.705	180	1793	0.535	ug/l	87
91) Naphthalene	15.509	128	6653	0.686	ug/l #	87
92) 1,2,3-Trichlorobenzene	15.705	180	1793	0.559	ug/l	85

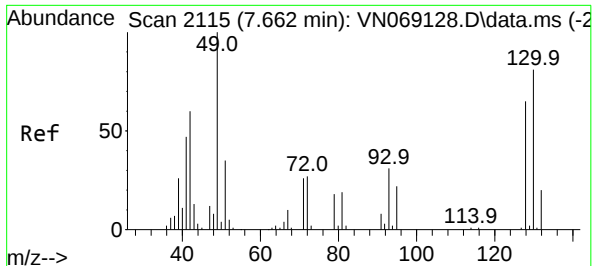
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :

Quant Time: Oct 26 03:34:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 22 13:15:19 2021
Response via : Initial Calibration

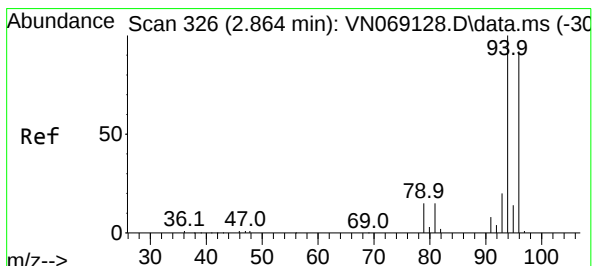
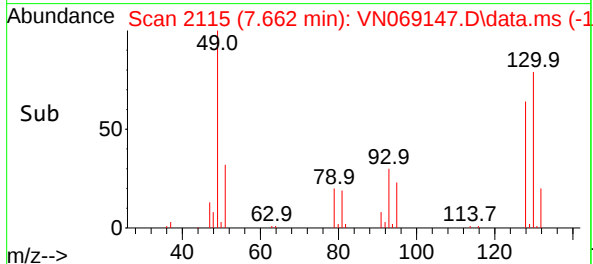
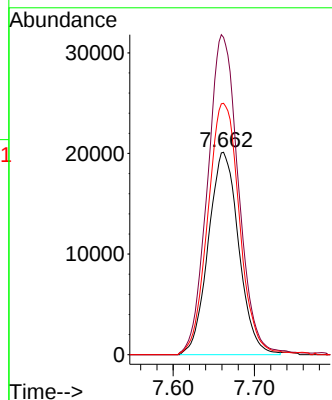
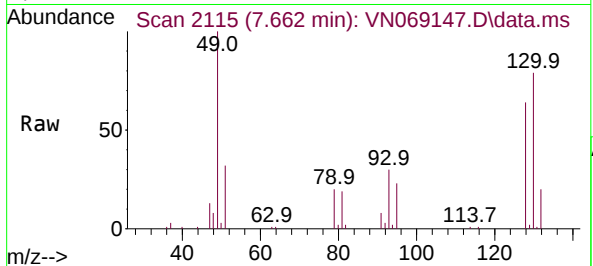




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

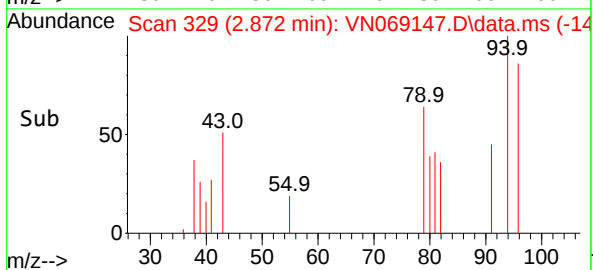
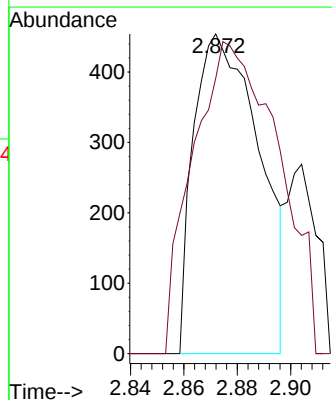
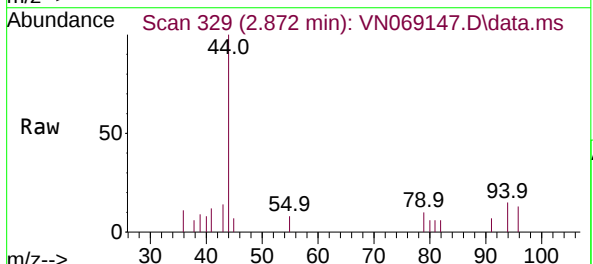
Instrument :
MSVOA_N
ClientSampleId :

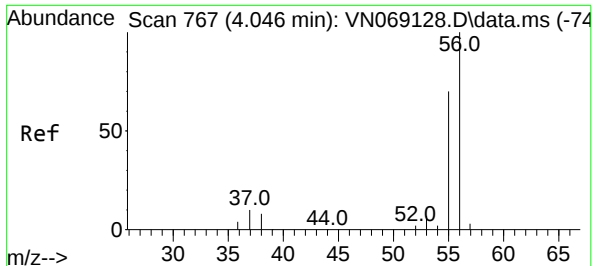
Tgt Ion:128 Resp: 52306
Ion Ratio Lower Upper
128 100
49 160.0 0.0 392.3
130 129.5 0.0 320.2



#5
Bromomethane
Concen: 0.275 ug/l
RT: 2.872 min Scan# 329
Delta R.T. 0.008 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

Tgt Ion: 94 Resp: 772
Ion Ratio Lower Upper
94 100
96 42.3 75.2 112.8#

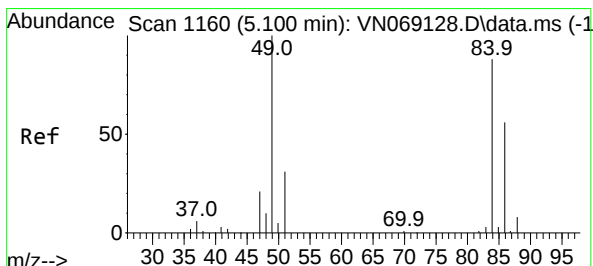
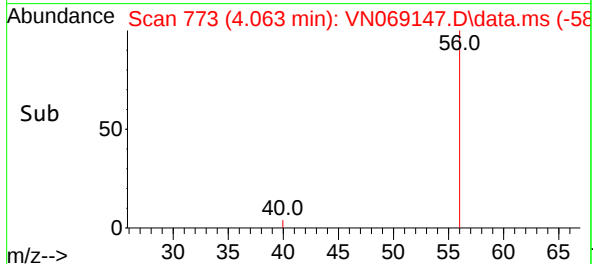
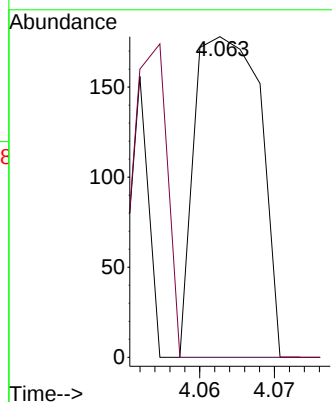
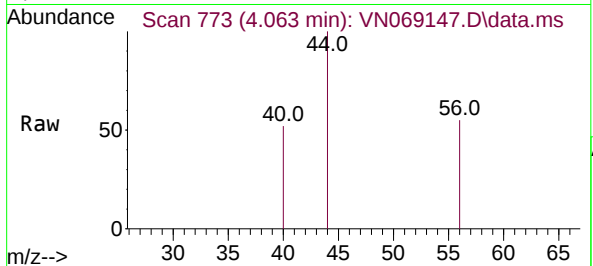




#13
Acrolein
Concen: 0.320 ug/l
RT: 4.063 min Scan# 773
Delta R.T. 0.016 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

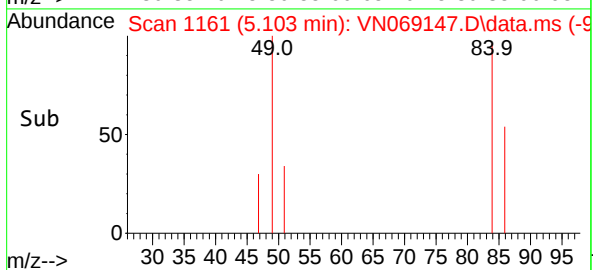
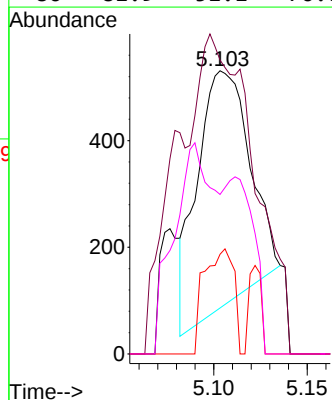
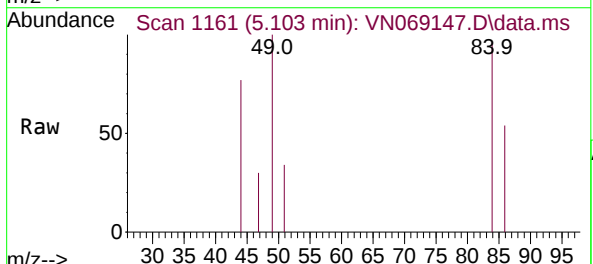
Instrument :
MSVOA_N
ClientSampleId :

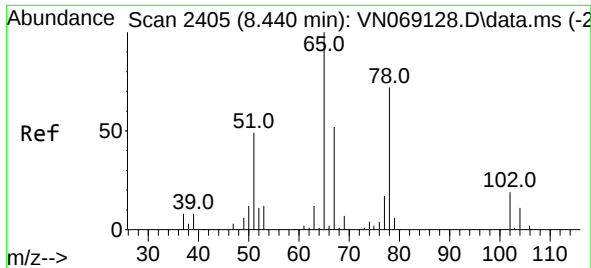
Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 50.0 57.6 86.4#



#18
Methylene Chloride
Concen: 0.249 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.003 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

Tgt Ion: 84 Resp: 870
Ion Ratio Lower Upper
84 100
49 102.2 91.4 137.0
51 51.2 29.4 44.0#
86 81.9 51.1 76.7#



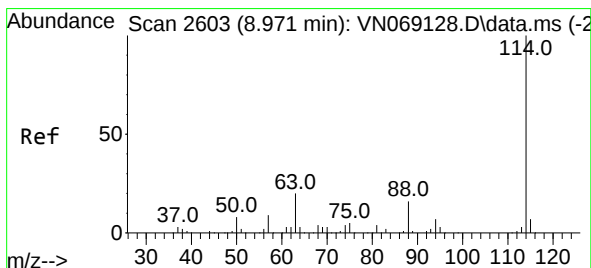
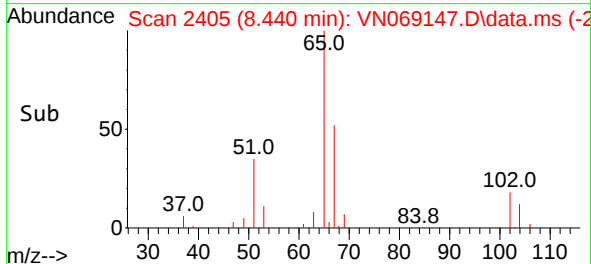
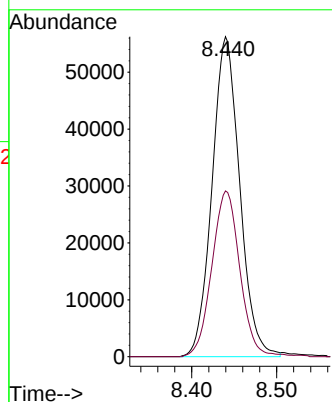
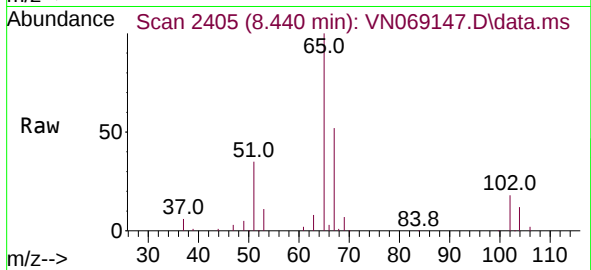


#27

1,2-Dichloroethane-d4
Concen: 31.245 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

Instrument :
MSVOA_N
ClientSampled :

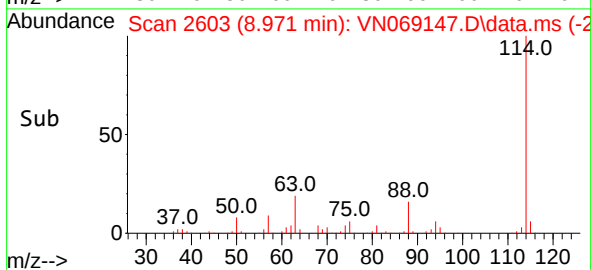
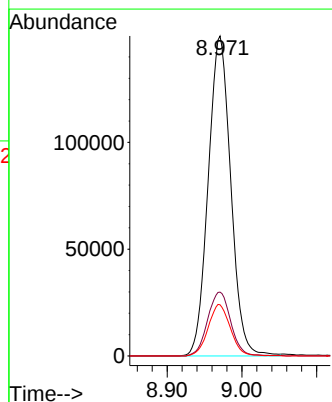
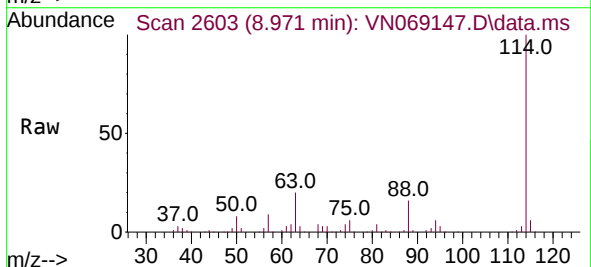
Tgt Ion: 65 Resp: 127293
Ion Ratio Lower Upper
65 100
67 52.2 40.2 60.2

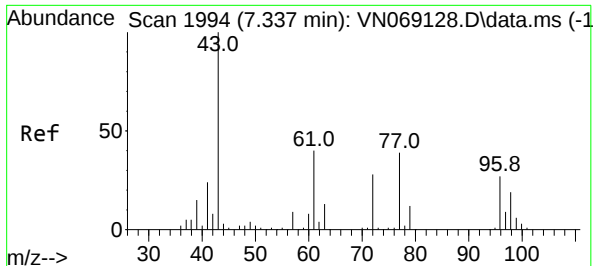


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

Tgt Ion: 114 Resp: 314308
Ion Ratio Lower Upper
114 100
63 20.5 15.8 23.6
88 15.8 11.6 17.4

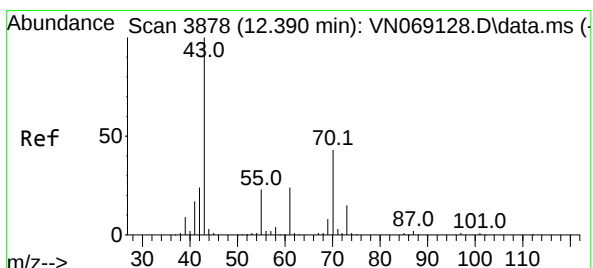
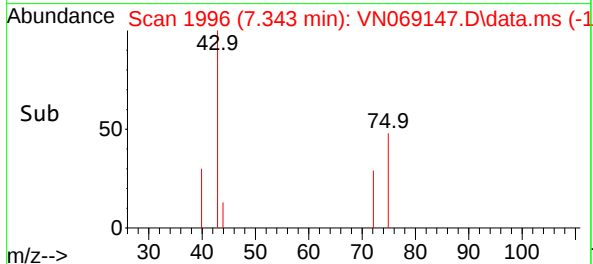
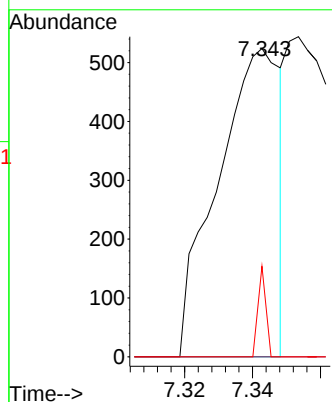
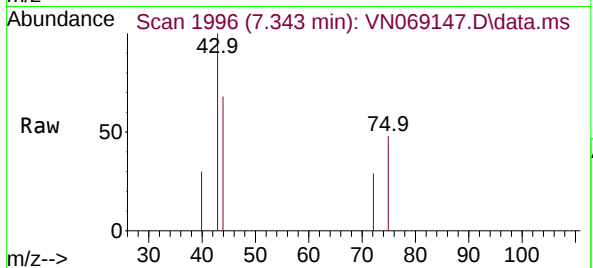




#30
2-Butanone
Concen: 0.282 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

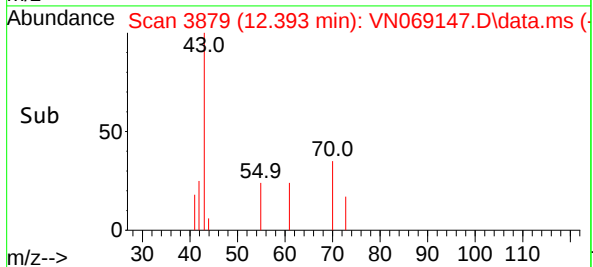
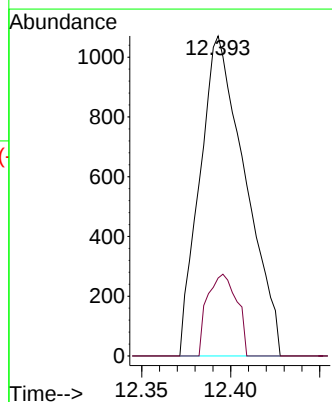
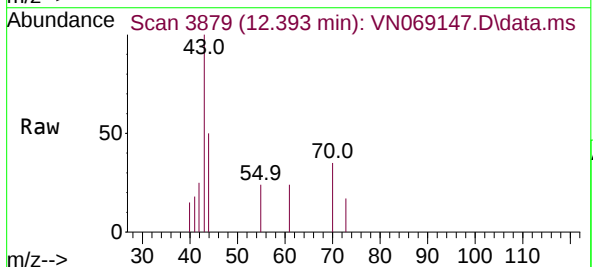
Instrument :
MSVOA_N
ClientSampled :

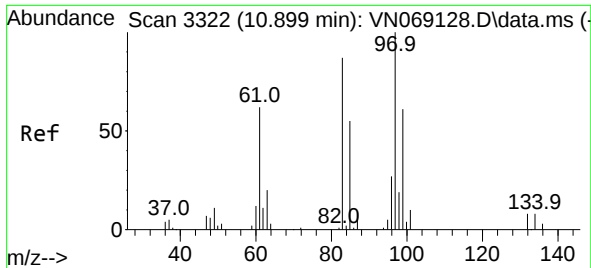
Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 23.2 34.8#



#47
n-amyl Acetate
Concen: 0.260 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

Tgt Ion: 43 Resp: 1897
Ion Ratio Lower Upper
43 100
55 16.6 19.0 28.6#

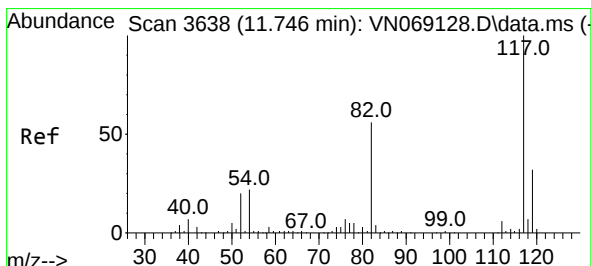
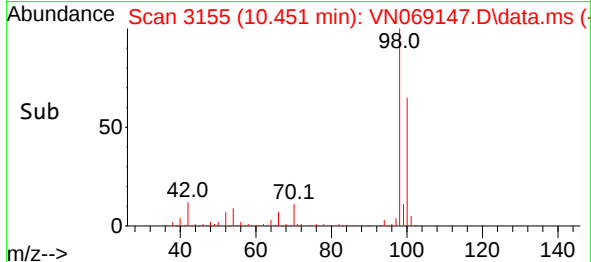
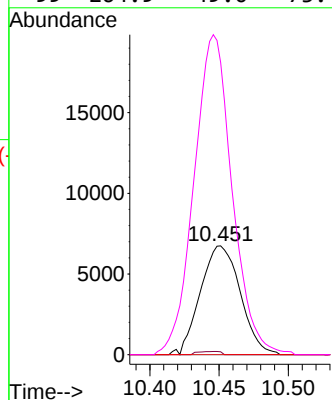
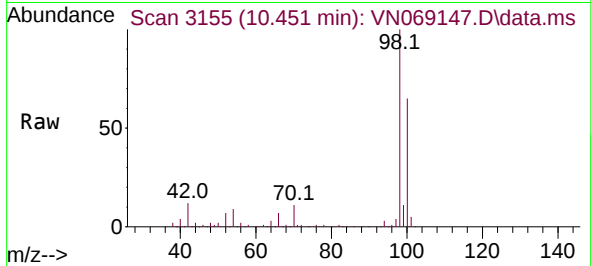




#50
1,1,2-Trichloroethane
Concen: 3.559 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.448 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

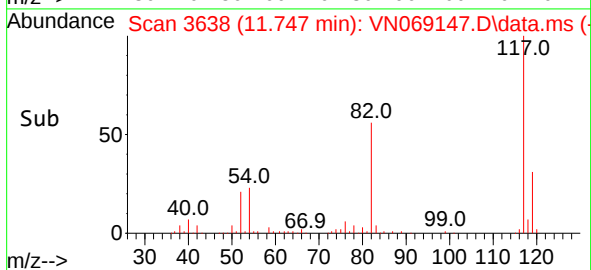
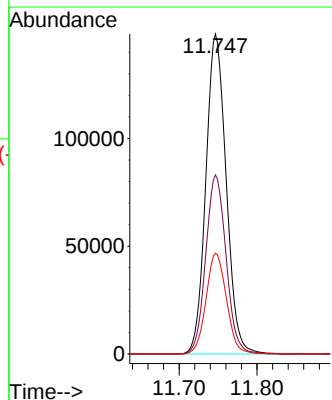
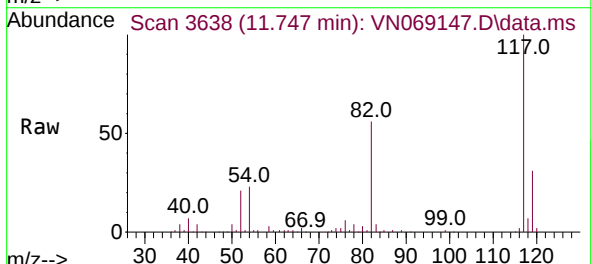
Instrument :
MSVOA_N
ClientSampleId :

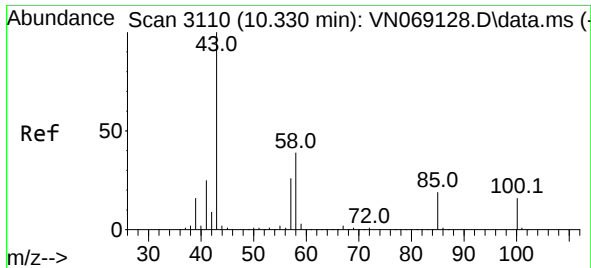
Tgt Ion: 97	Resp: 13451
Ion Ratio	Lower Upper
97 100	
83 2.6	67.2 100.8#
85 0.0	43.0 64.4#
99 264.9	49.0 73.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

Tgt Ion: 117	Resp: 269826
Ion Ratio	Lower Upper
117 100	
82 56.1	43.6 65.4
119 31.6	25.8 38.6

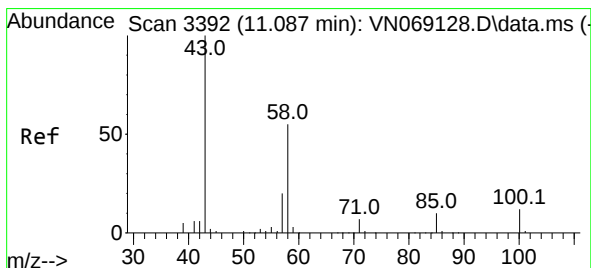
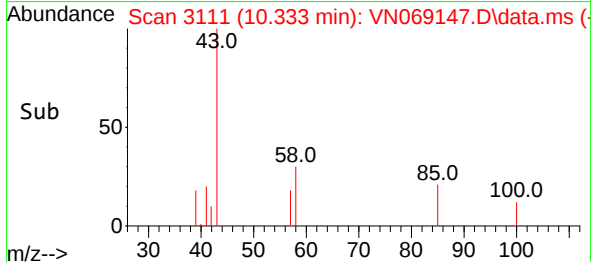
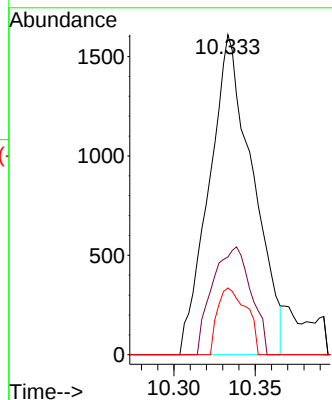
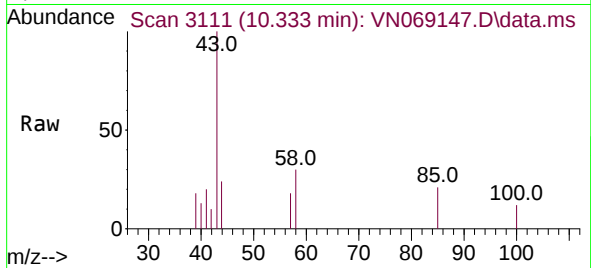




#58
4-Methyl-2-Pentanone
Concen: 0.659 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

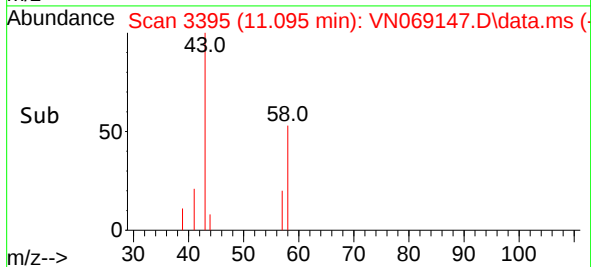
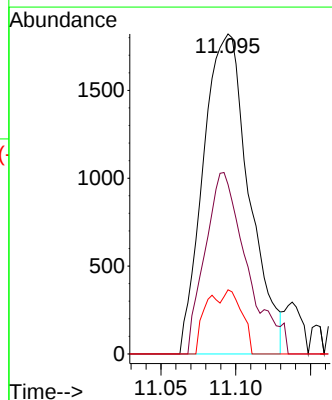
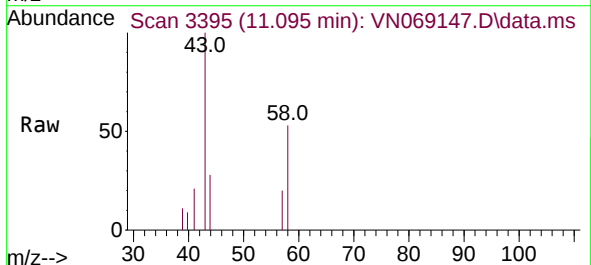
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MSVOA_N
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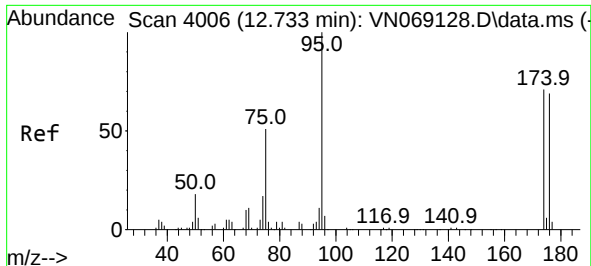
Tgt Ion: 43 Resp: 2998
Ion Ratio Lower Upper
43 100
58 29.9 30.0 45.0#
85 13.9 15.0 22.6#



#59
2-Hexanone
Concen: 1.129 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

Tgt Ion: 43 Resp: 3882
Ion Ratio Lower Upper
43 100
58 46.6 42.2 63.2
57 8.2 15.0 22.4#

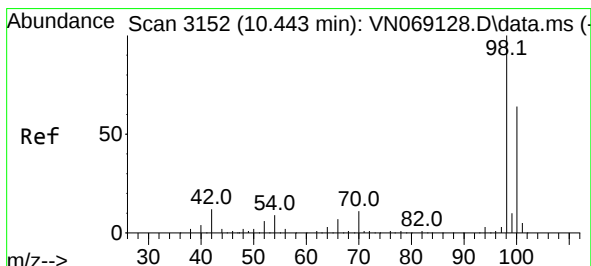
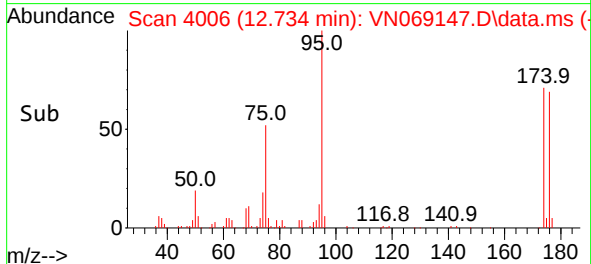
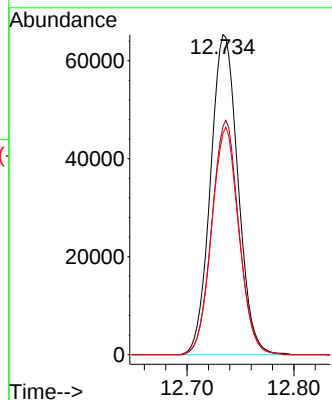
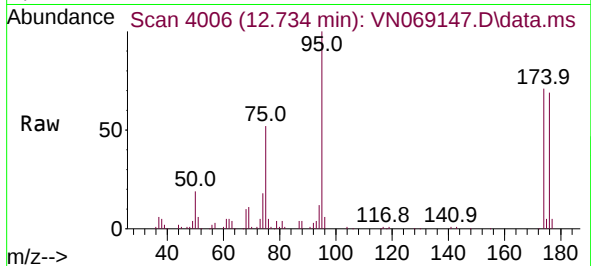




#60
4-Bromofluorobenzene
Concen: 25.250 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

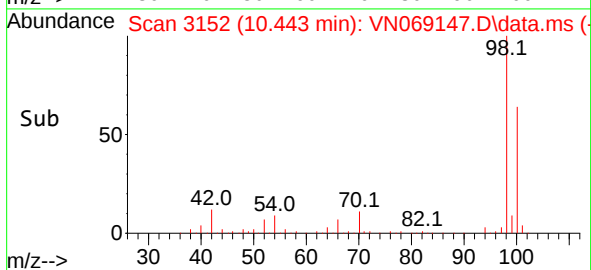
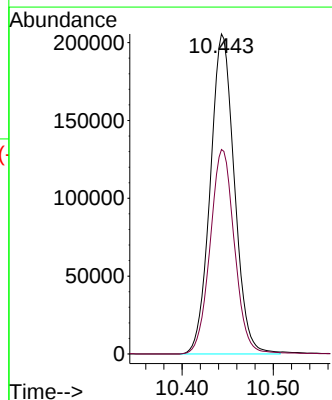
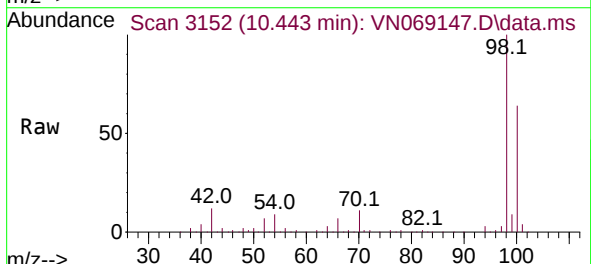
Instrument :
MSVOA_N
ClientSampleId :

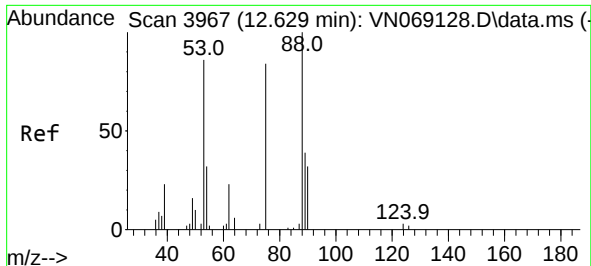
Tgt Ion: 95 Resp: 116823
Ion Ratio Lower Upper
95 100
174 72.4 62.9 94.3
176 70.4 61.0 91.4



#63
Toluene-d8
Concen: 30.968 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

Tgt Ion: 98 Resp: 377523
Ion Ratio Lower Upper
98 100
100 64.4 50.6 76.0

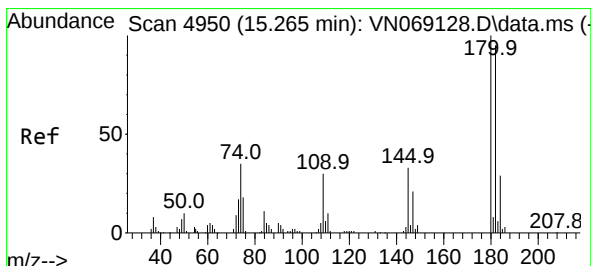
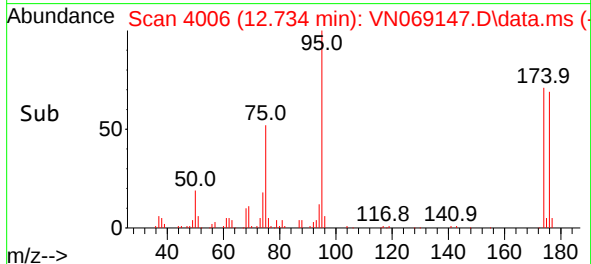
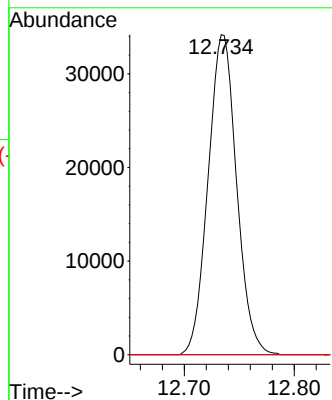
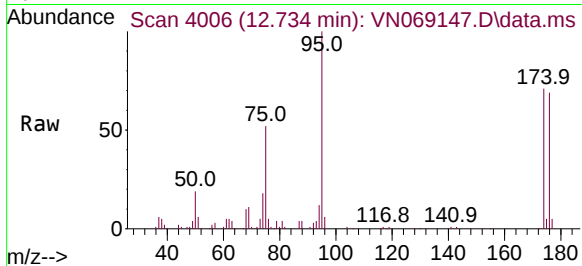




#77
 t-1,4-Dichloro-2-butene
 Concen: 35.814 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.105 min
 Lab File: VN069147.D
 Acq: 25 Oct 2021 12:11

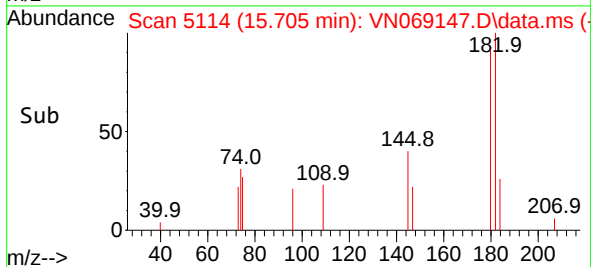
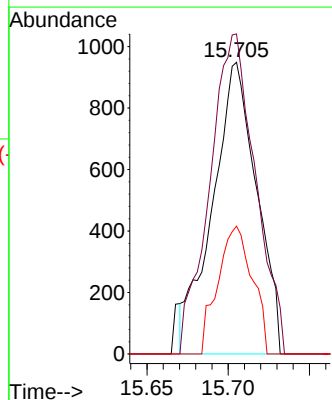
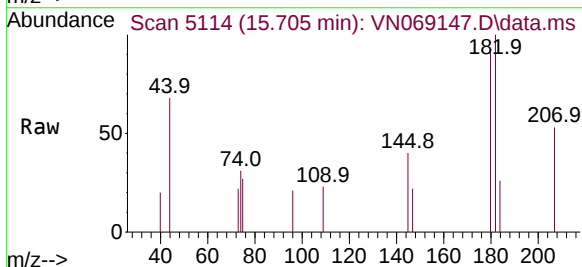
Instrument :
 MSVOA_N
 ClientSampleId :

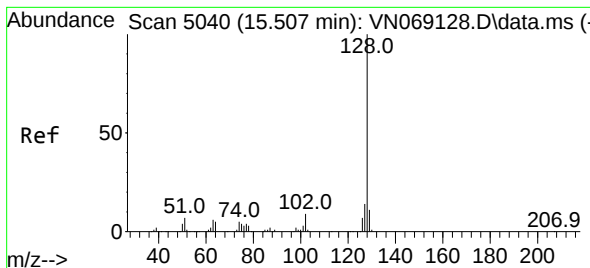
Tgt Ion: 75 Resp: 61530
 Ion Ratio Lower Upper
 75 100
 53 0.0 51.8 155.5#
 89 0.0 22.9 68.7#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.535 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.440 min
 Lab File: VN069147.D
 Acq: 25 Oct 2021 12:11

Tgt Ion:180 Resp: 1793
 Ion Ratio Lower Upper
 180 100
 182 113.7 77.7 116.5
 145 31.3 26.6 39.8

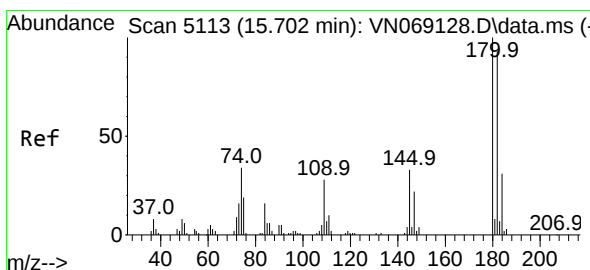
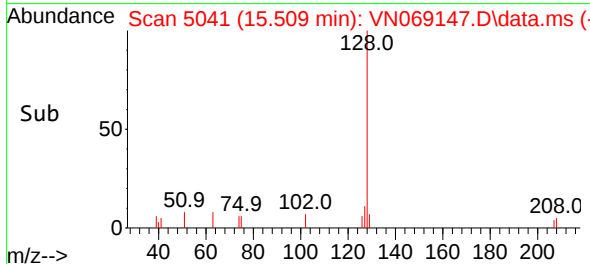
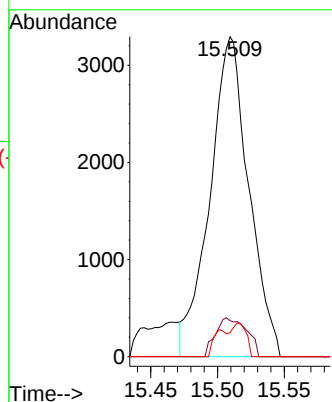
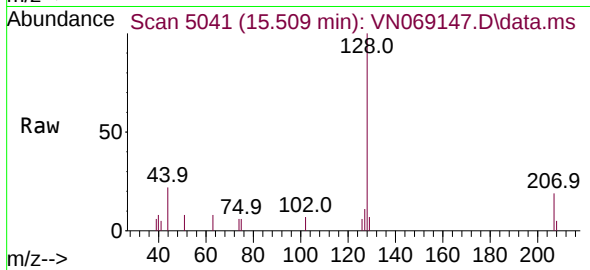




#91
Naphthalene
Concen: 0.686 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 6653
Ion Ratio Lower Upper
128 100
127 9.8 10.7 16.1#
129 4.2 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.559 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069147.D
Acq: 25 Oct 2021 12:11

Tgt Ion:180 Resp: 1793
Ion Ratio Lower Upper
180 100
182 113.7 0.0 190.0
145 31.3 0.0 67.8

