

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068691.D
 Acq On : 26 Sep 2021 3:14
 Operator : JC/MD
 Sample : VN0925WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBL02

Quant Time: Sep 28 17:00:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 28 17:00:15 2021
 Response via : Initial Calibration

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

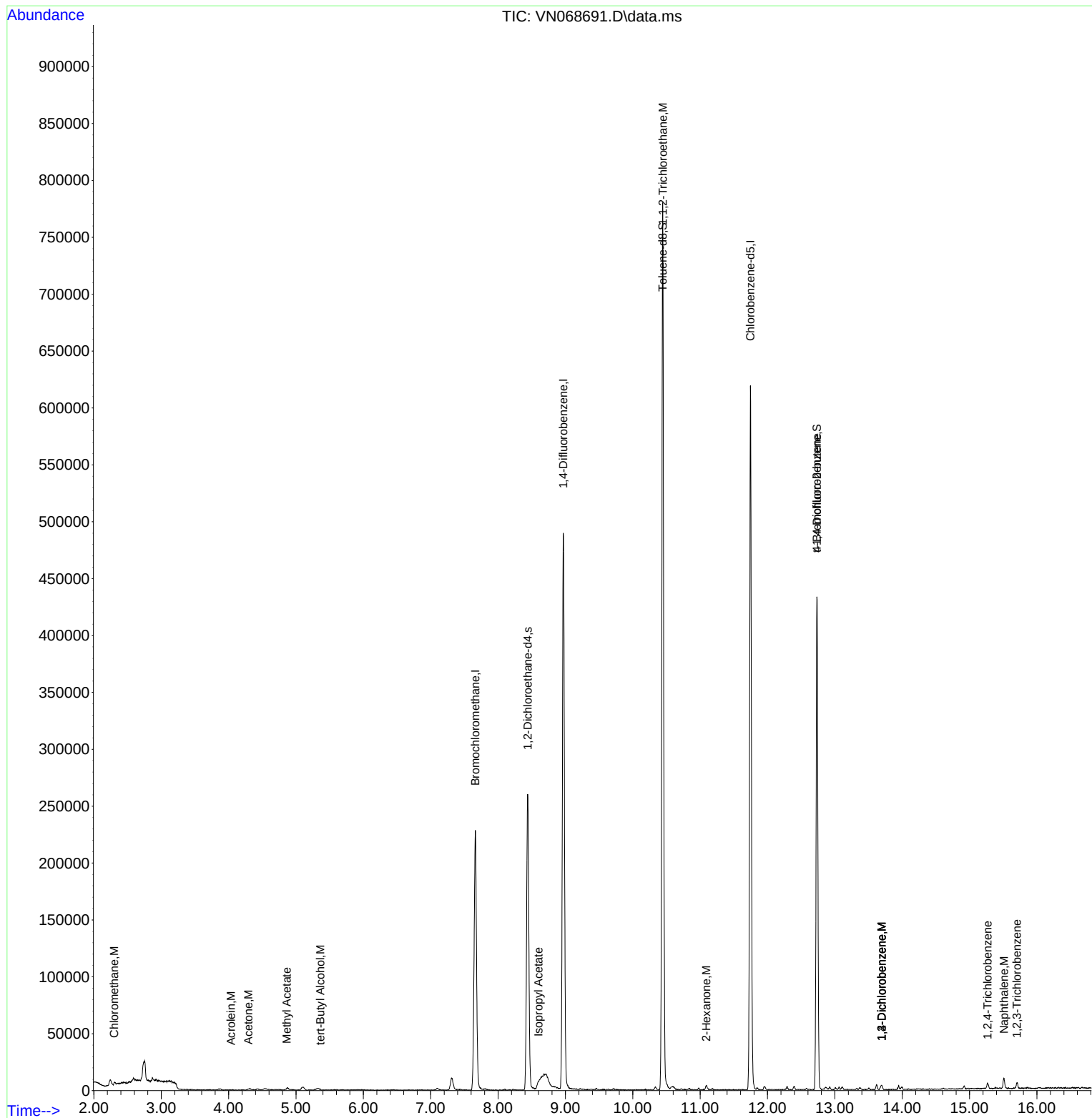
Internal Standards						
1) Bromochloromethane	7.662	128	75949	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	422798	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	345895	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	223560	34.946	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 116.500%#			
60) 4-Bromofluorobenzene	12.733	95	147838	29.609	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.700%			
63) Toluene-d8	10.443	98	519241	34.182	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 113.933%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	1251	0.223	ug/l #	81
12) Methyl Acetate	4.864	43	3531	0.409	ug/l #	88
13) Acrolein	4.036	56	88	0.322	ug/l #	43
15) Acetone	4.293	58	198	0.320	ug/l #	1
23) tert-Butyl Alcohol	5.361	59	263	0.319	ug/l #	100
44) Isopropyl Acetate	8.600	43	4481	0.320	ug/l #	1
50) 1,1,2-Trichloroethane	10.448	97	21221	3.339	ug/l #	1
59) 2-Hexanone	11.092	43	3542	0.691	ug/l #	89
77) t-1,4-Dichloro-2-butene	12.733	75	84215	52.210	ug/l #	7
83) 1,3-Dichlorobenzene	13.696	146	1668	0.246	ug/l	97
84) 1,4-Dichlorobenzene	13.696	146	1668	0.255	ug/l	98
87) 1,2-Dichlorobenzene	13.696	146	1668	0.245	ug/l	96
89) 1,2,4-Trichlorobenzene	15.268	180	1819	0.594	ug/l #	75
91) Naphthalene	15.512	128	8301	1.029	ug/l #	86
92) 1,2,3-Trichlorobenzene	15.702	180	2114	0.706	ug/l	89

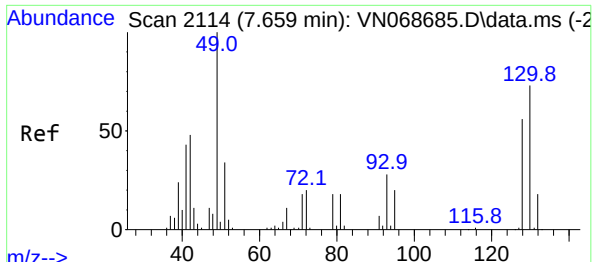
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 28 17:00:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092521W.M
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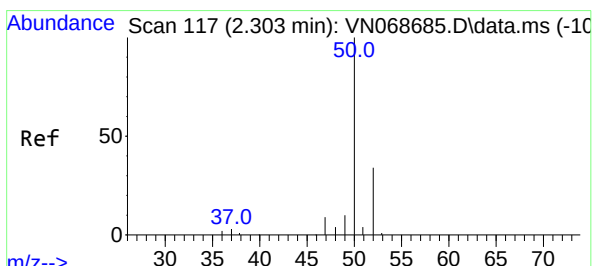
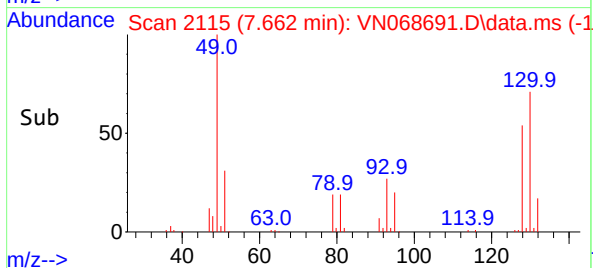
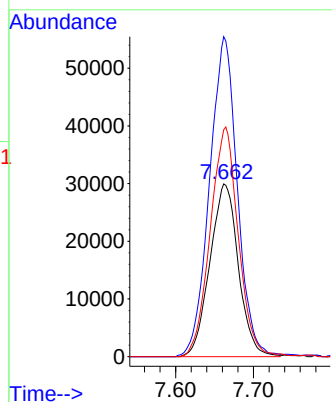
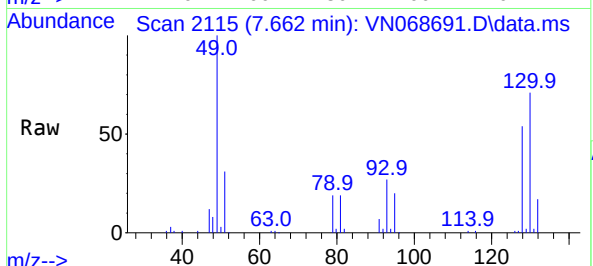




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

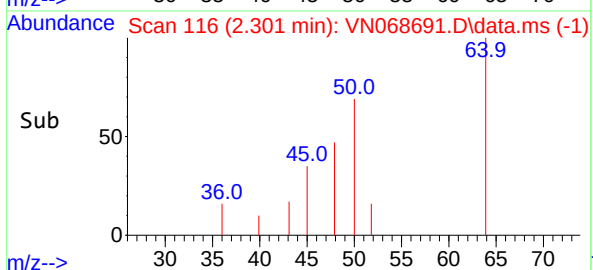
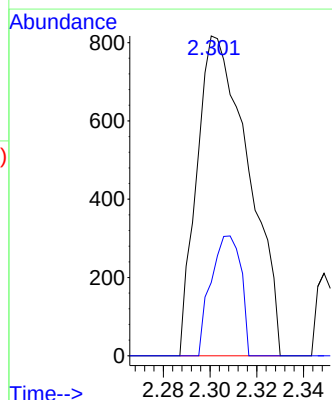
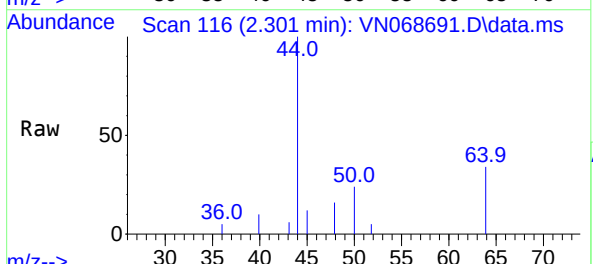
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBL02

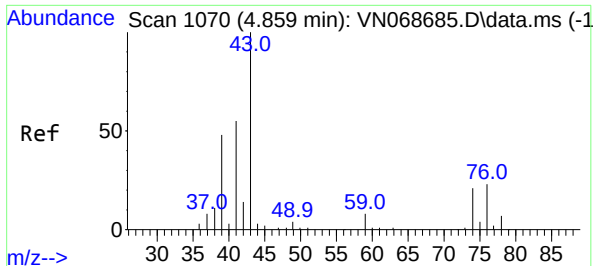
Tgt Ion:128 Resp: 75949
Ion Ratio Lower Upper
128 100
49 180.2 0.0 450.0
130 130.6 0.0 319.5



#3
Chloromethane
Concen: 0.223 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.003 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

Tgt Ion: 50 Resp: 1251
Ion Ratio Lower Upper
50 100
52 22.9 27.0 40.6#





#12

Methyl Acetate

Concen: 0.409 ug/l

RT: 4.864 min Scan# 1072

Delta R.T. 0.005 min

Lab File: VN068691.D

Acq: 26 Sep 2021 3:14

Tgt Ion: 43 Resp: 3531

Ion Ratio Lower Upper

43 100

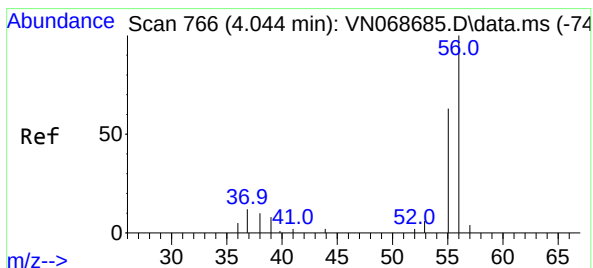
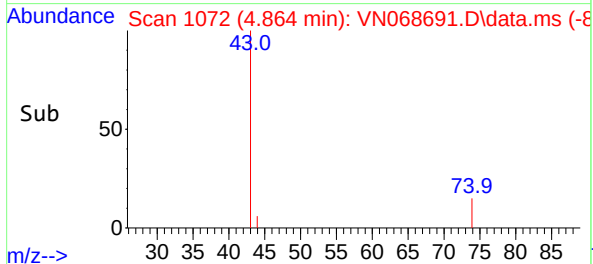
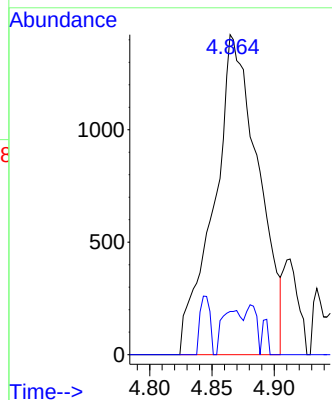
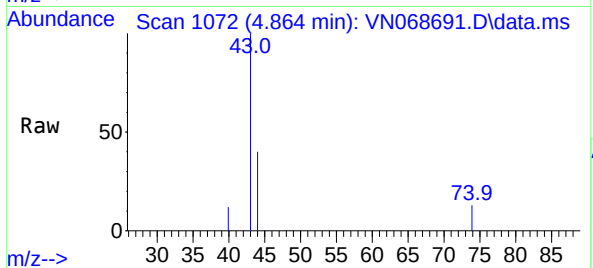
74 15.3 16.9 25.3#

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBL02



#13

Acrolein

Concen: 0.322 ug/l

RT: 4.036 min Scan# 763

Delta R.T. -0.008 min

Lab File: VN068691.D

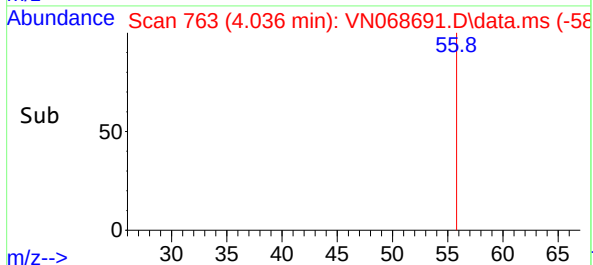
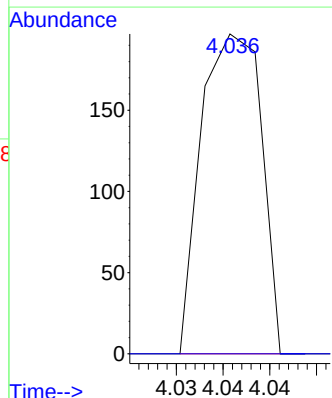
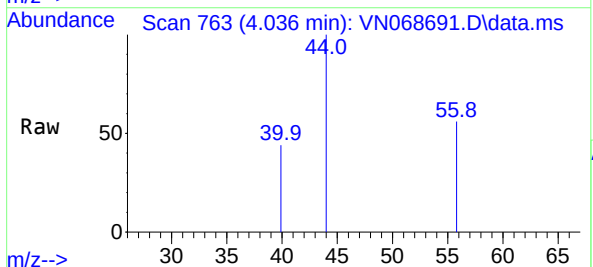
Acq: 26 Sep 2021 3:14

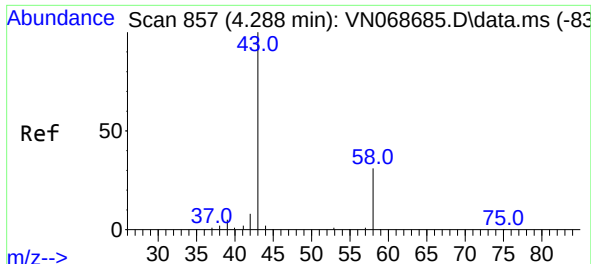
Tgt Ion: 56 Resp: 88

Ion Ratio Lower Upper

56 100

55 0.0 25.4 38.0#

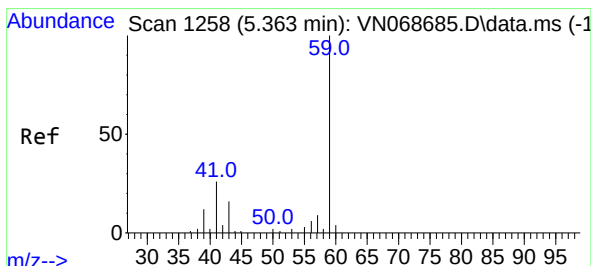
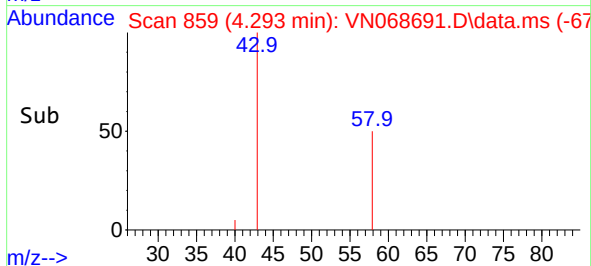
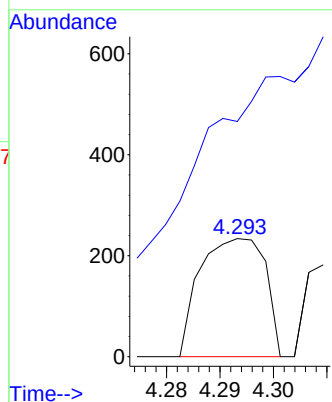
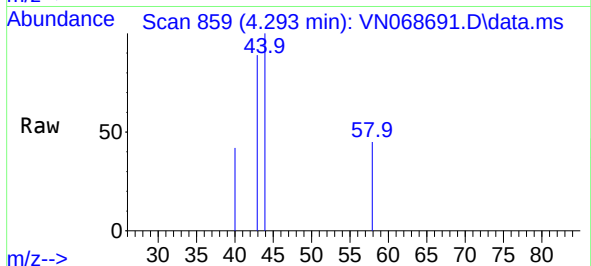




#15
Acetone
Concen: 0.320 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

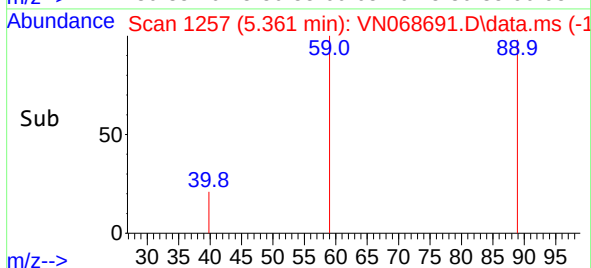
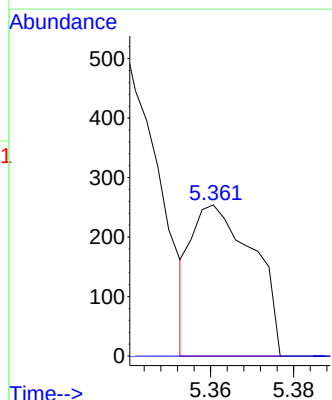
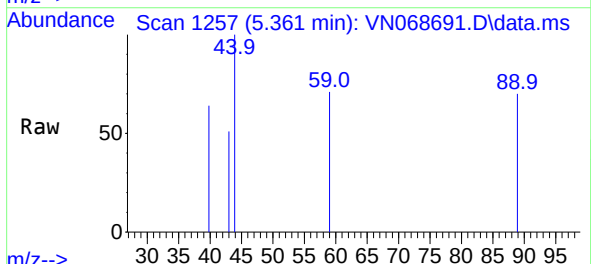
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBL02

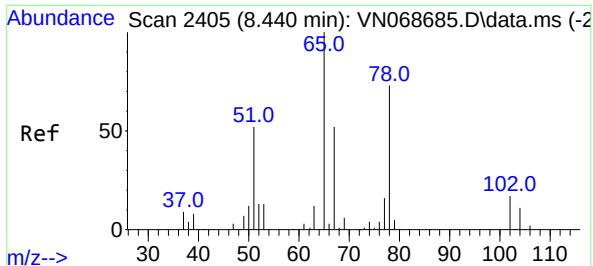
Tgt Ion: 58 Resp: 198
Ion Ratio Lower Upper
58 100
43 67.5 261.0 391.4#



#23
tert-Butyl Alcohol
Concen: 0.319 ug/l
RT: 5.361 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



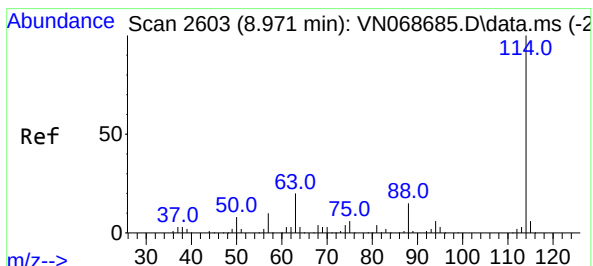
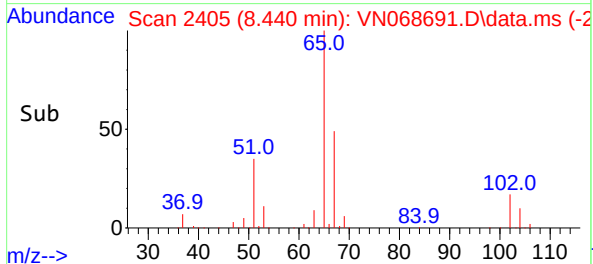
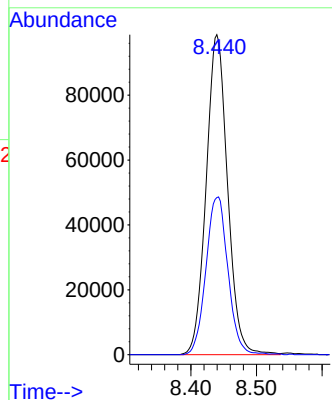
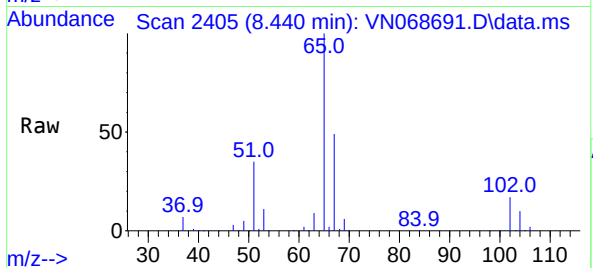


#27

1,2-Dichloroethane-d4
Concen: 34.946 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBL02

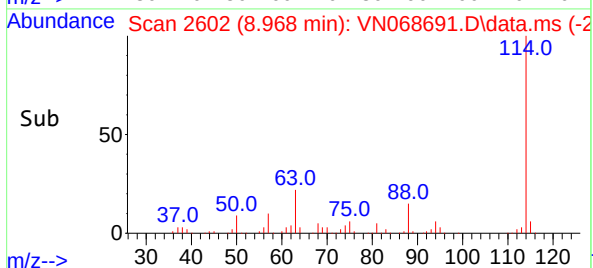
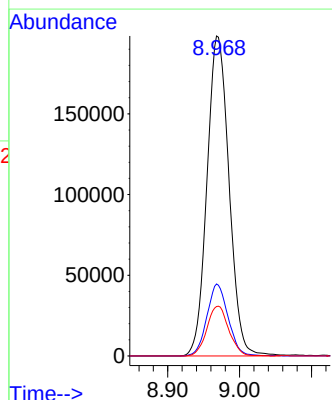
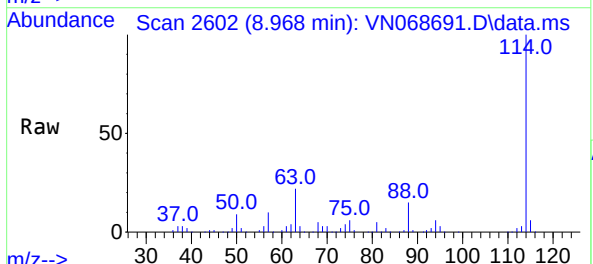
Tgt Ion: 65 Resp: 223560
Ion Ratio Lower Upper
65 100
67 50.5 41.0 61.6

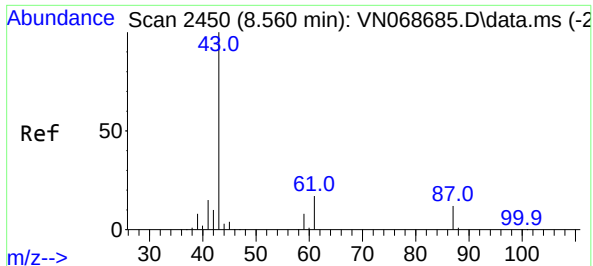


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

Tgt Ion: 114 Resp: 422798
Ion Ratio Lower Upper
114 100
63 21.6 17.1 25.7
88 15.4 12.2 18.4



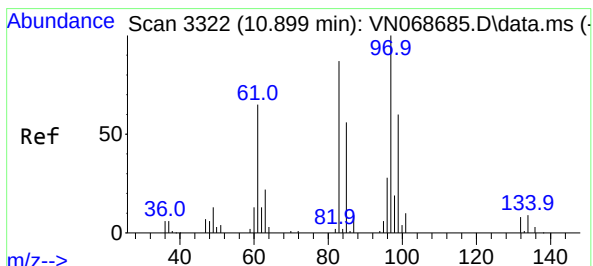
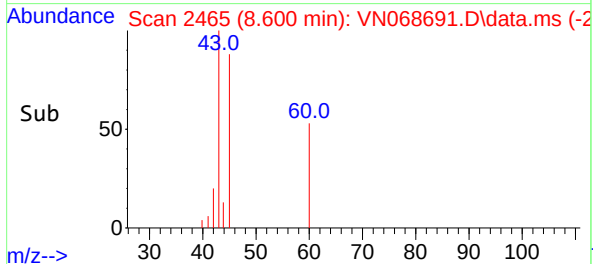
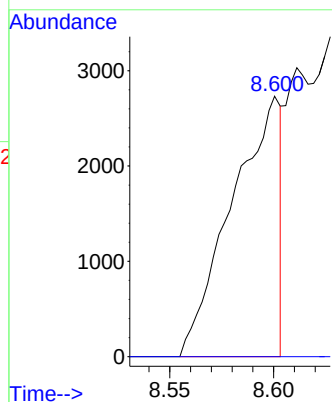
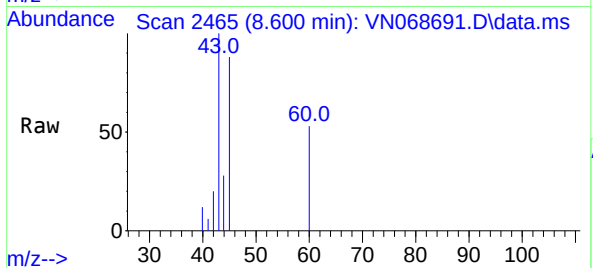


#44

Isopropyl Acetate
Concen: 0.320 ug/l
RT: 8.600 min Scan# 2465
Delta R.T. 0.040 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBL02

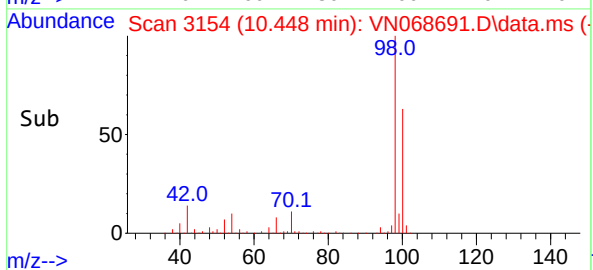
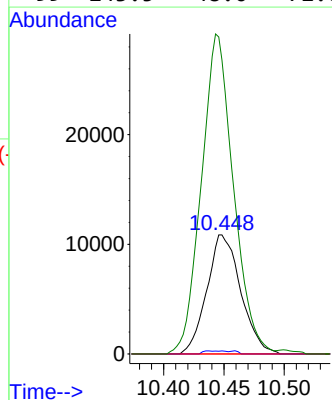
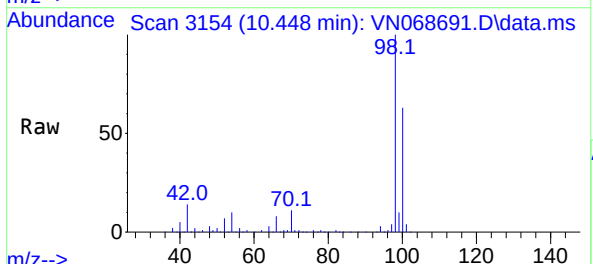
Tgt Ion: 43 Resp: 4481
Ion Ratio Lower Upper
43 100
61 116.2 18.5 27.7#

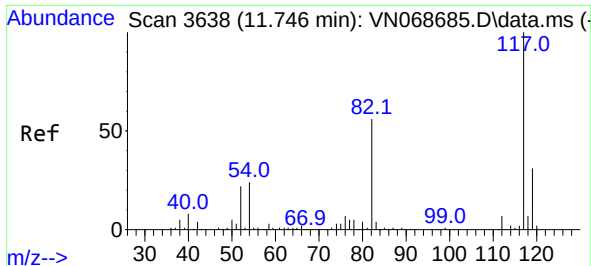


#50

1,1,2-Trichloroethane
Concen: 3.339 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.451 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

Tgt Ion: 97 Resp: 21221
Ion Ratio Lower Upper
97 100
83 2.5 69.9 104.9#
85 0.0 44.4 66.6#
99 243.5 48.0 72.0#

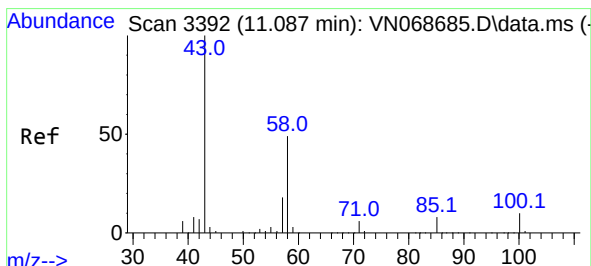
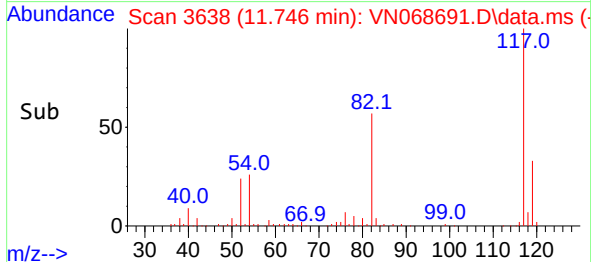
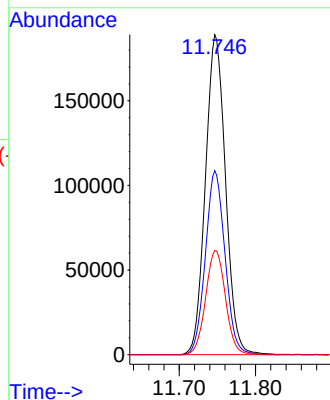
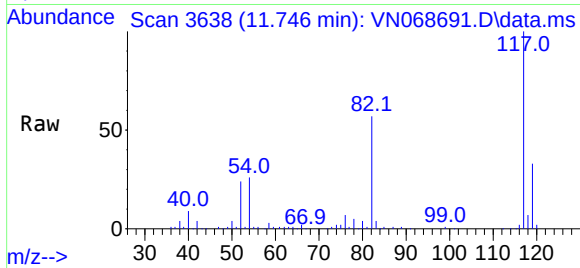




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

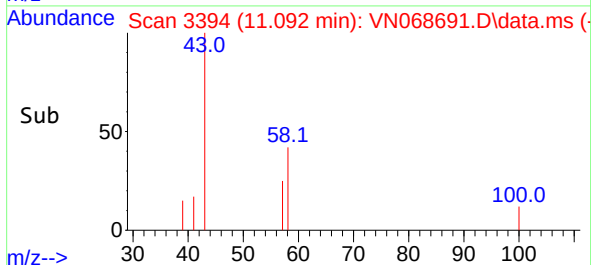
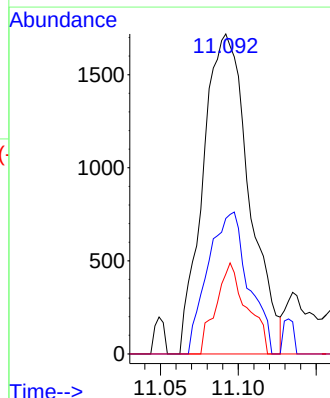
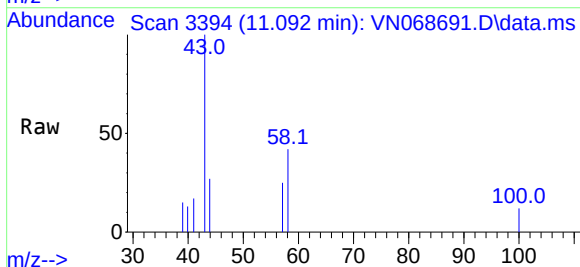
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VN0925WBL02

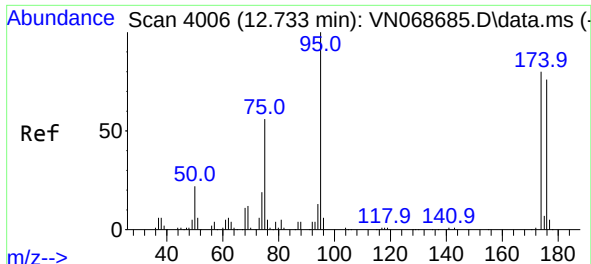
Tgt Ion:117 Resp: 345895
Ion Ratio Lower Upper
117 100
82 56.1 44.6 66.8
119 32.1 25.7 38.5



#59
2-Hexanone
Concen: 0.691 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

Tgt Ion: 43 Resp: 3542
Ion Ratio Lower Upper
43 100
58 39.1 39.5 59.3#
57 17.3 14.3 21.5

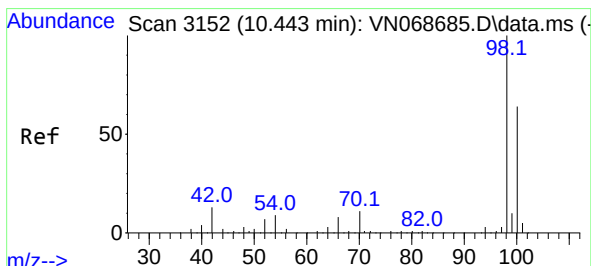
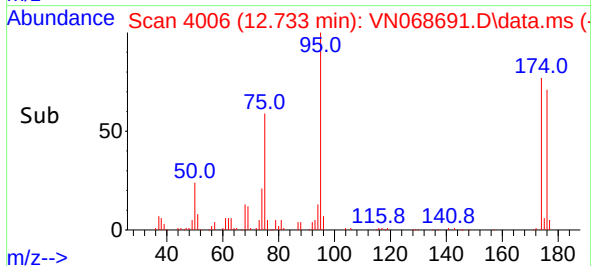
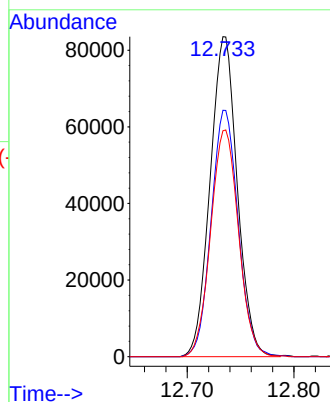
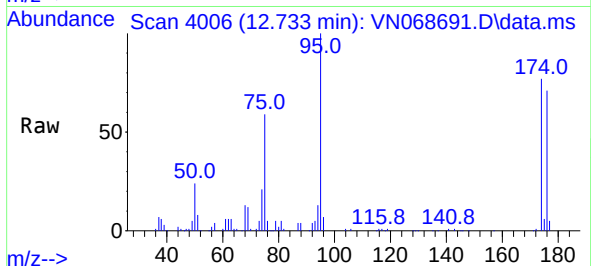




#60
4-Bromofluorobenzene
Concen: 29.609 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

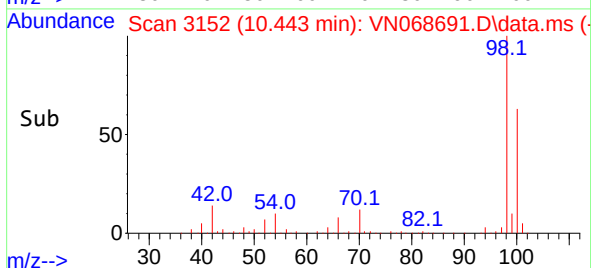
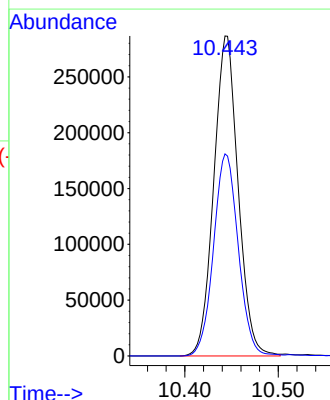
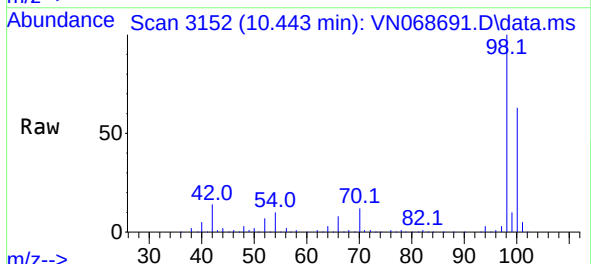
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBL02

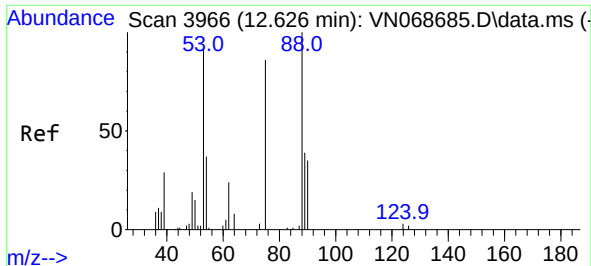
Tgt Ion: 95 Resp: 147838
Ion Ratio Lower Upper
95 100
174 76.7 63.0 94.6
176 72.5 60.6 90.8



#63
Toluene-d8
Concen: 34.182 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

Tgt Ion: 98 Resp: 519241
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.2

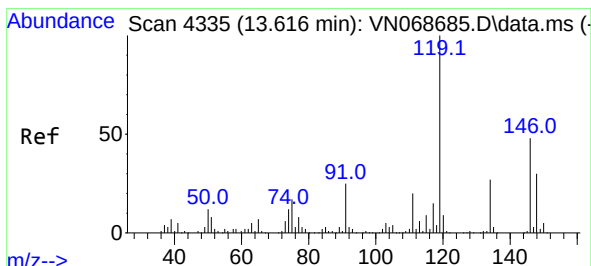
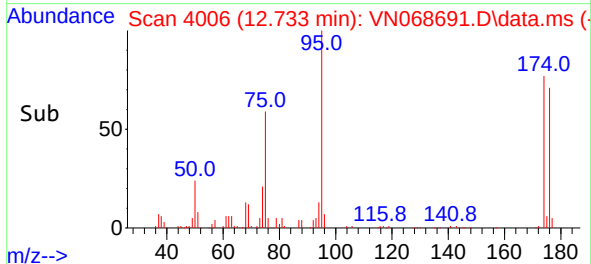
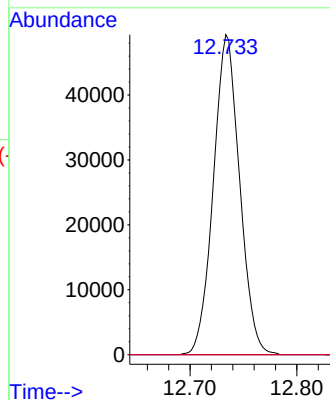
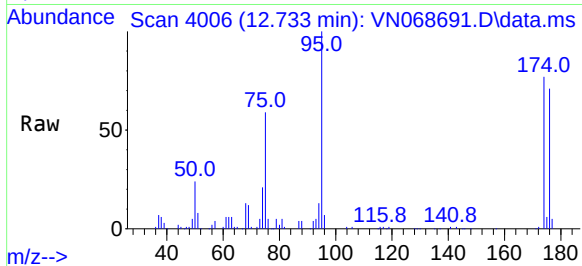




#77
t-1,4-Dichloro-2-butene
Concen: 52.210 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

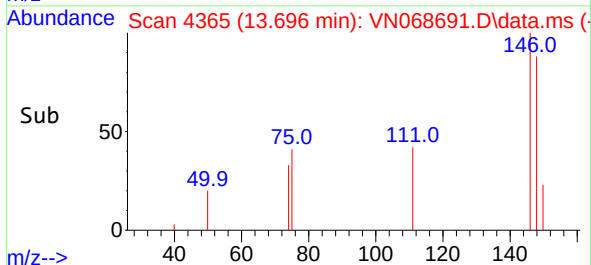
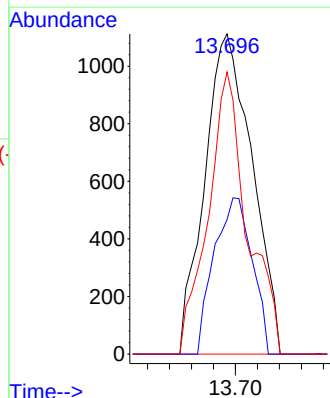
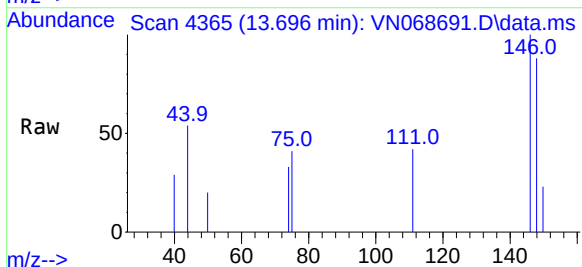
Instrument :
MSVOA_N
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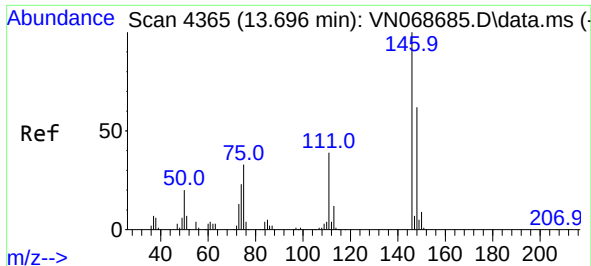
Tgt Ion: 75 Resp: 84215
Ion Ratio Lower Upper
75 100
53 0.0 52.8 158.4#
89 0.0 24.8 74.3#



#83
1,3-Dichlorobenzene
Concen: 0.246 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.080 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

Tgt Ion:146 Resp: 1668
Ion Ratio Lower Upper
146 100
111 39.0 20.4 61.3
148 61.3 31.8 95.3

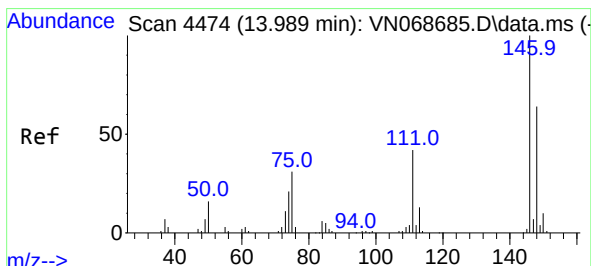
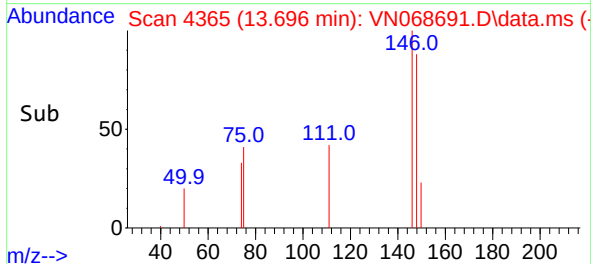
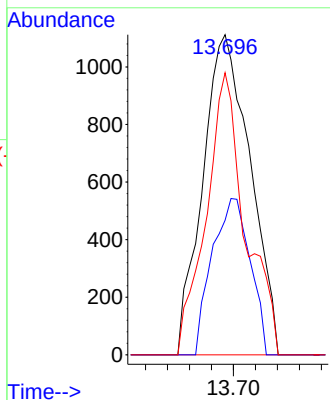
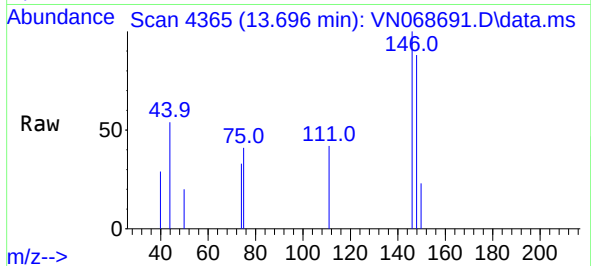




#84
1,4-Dichlorobenzene
Concen: 0.255 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. -0.000 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

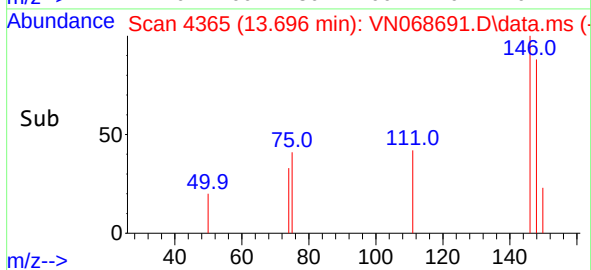
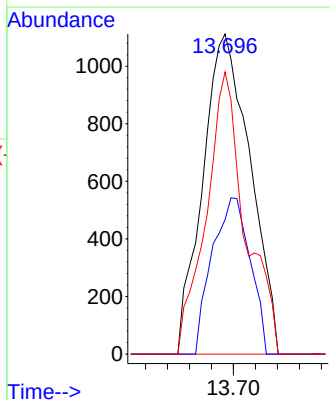
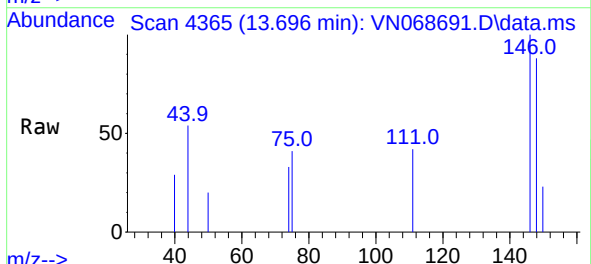
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBL02

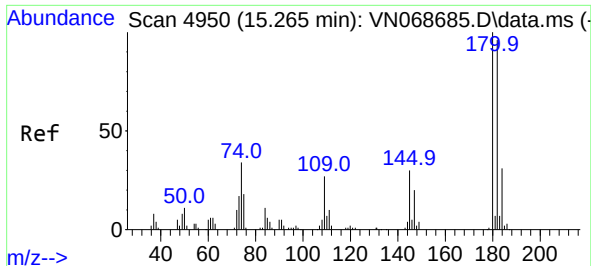
Tgt Ion:	146	Resp:	1668
Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.8
148	61.3	31.8	95.4



#87
1,2-Dichlorobenzene
Concen: 0.245 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. -0.292 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

Tgt Ion:	146	Resp:	1668
Ion	Ratio	Lower	Upper
146	100		
111	39.0	21.5	64.5
148	61.3	31.9	95.9

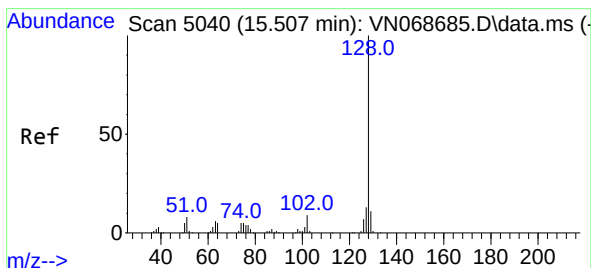
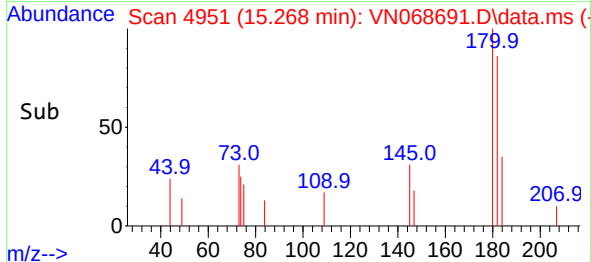
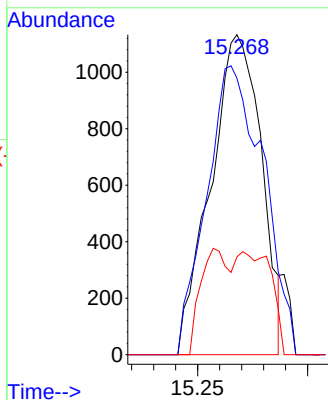
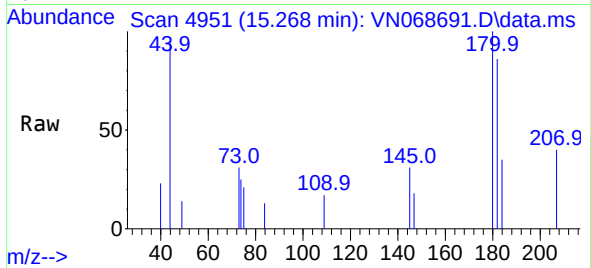




#89
1,2,4-Trichlorobenzene
Concen: 0.594 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

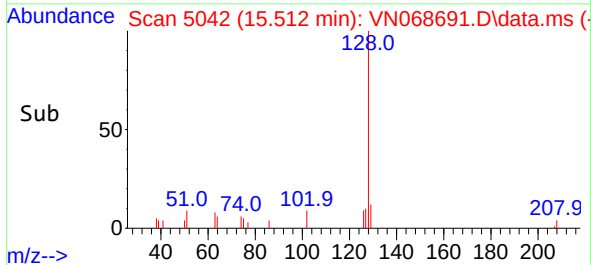
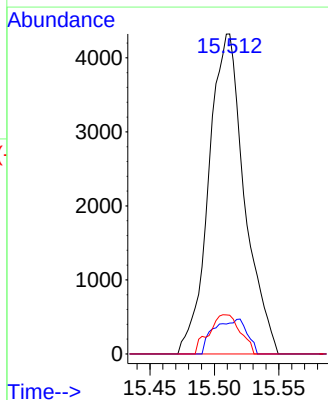
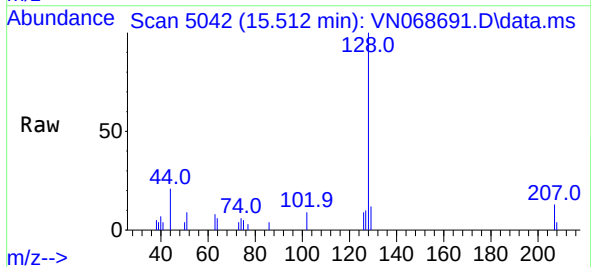
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBL02

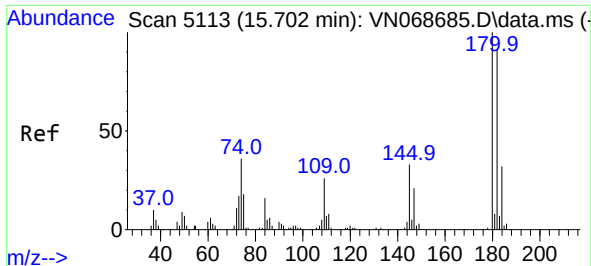
Tgt Ion:180 Resp: 1819
Ion Ratio Lower Upper
180 100
182 77.8 75.6 113.4
145 3.5 24.5 36.7#



#91
Naphthalene
Concen: 1.029 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

Tgt Ion:128 Resp: 8301
Ion Ratio Lower Upper
128 100
127 4.7 10.9 16.3#
129 9.4 9.0 13.6





#92
1,2,3-Trichlorobenzene
Concen: 0.706 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.000 min
Lab File: VN068691.D
Acq: 26 Sep 2021 3:14

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBL02

Tgt Ion:180 Resp: 2114
Ion Ratio Lower Upper
180 100
182 96.0 0.0 190.0
145 11.6 0.0 66.8

