

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062121\
 Data File : VN067421.D
 Acq On : 21 Jun 2021 17:02
 Operator : JC/MD
 Sample : M2799-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-1-GW

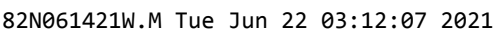
Quant Time: Jun 22 03:12:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

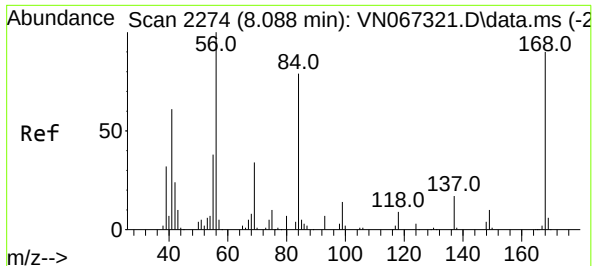
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	285395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	584381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	511825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	173806	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	281274	49.96	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.92%		
35) Dibromofluoromethane	8.024	113	183191	47.13	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.26%		
50) Toluene-d8	10.446	98	768003	51.56	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.12%		
62) 4-Bromofluorobenzene	12.736	95	259111	42.15	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	84.30%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.393	59	142542	153.80	ug/l	99
13) Acrolein	4.033	56	406	0.70	ug/l #	14
16) Acetone	4.307	43	2649	1.23	ug/l #	85
18) Methyl Acetate	4.875	43	2506	0.48	ug/l #	62
19) Methyl tert-butyl Ether	5.621	73	18161	1.32	ug/l #	17
22) Diisopropyl ether	6.501	45	22095	1.58	ug/l	93
23) Vinyl Acetate	6.503	43	11546	0.90	ug/l #	75
31) Cyclohexane	8.086	56	14572	1.90	ug/l #	45
36) 1,1-Dichloropropene	8.088	75	34632	5.29	ug/l #	50
38) Carbon Tetrachloride	8.088	117	36312	5.16	ug/l #	16
39) Methylcyclohexane	9.456	83	9201	1.33	ug/l #	82
40) Benzene	8.458	78	9215	0.50	ug/l	95
43) Isopropyl Acetate	8.547	43	6285	0.50	ug/l #	58
47) Bromodichloromethane	9.748	83	1789	0.24	ug/l #	26
51) 4-Methyl-2-Pentanone	10.443	43	5124	0.71	ug/l #	1
55) 1,1,2-Trichloroethane	10.878	97	9005	2.03	ug/l #	21
59) 2-Hexanone	11.060	43	1120	0.21	ug/l #	28
73) Isopropylbenzene	12.581	105	18498	1.11	ug/l	98
76) 1,2,3-Trichloropropane	12.733	75	152690	33.83	ug/l #	100
78) n-propylbenzene	12.924	91	50661	2.55	ug/l	94
79) 2-Chlorotoluene	12.924	91	50661	4.10	ug/l #	46
81) trans-1,4-Dichloro-2-b...	12.733	75	152690	83.84	ug/l #	6
82) 4-Chlorotoluene	12.924	91	50661	4.12	ug/l #	45
85) sec-Butylbenzene	13.506	105	20354	1.29	ug/l	98
86) p-Isopropyltoluene	13.777	119	4345	0.34	ug/l	94
89) n-Butylbenzene	13.943	91	15628	1.30	ug/l #	74
90) Hexachloroethane	14.219	117	4047	1.62	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.659	75	297	0.24	ug/l #	16
95) Naphthalene	15.509	128	10081	3.51	ug/l #	92

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

Quant Time: Jun 22 03:12:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 15 05:19:42 2021
Response via : Initial Calibration

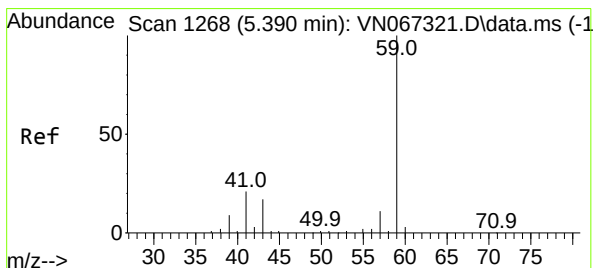
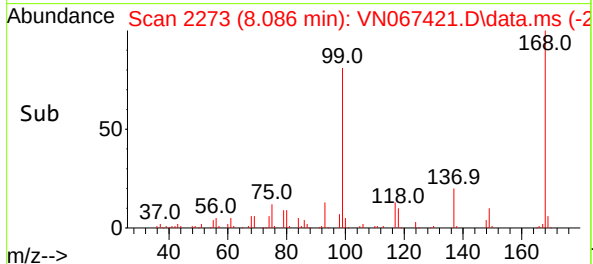
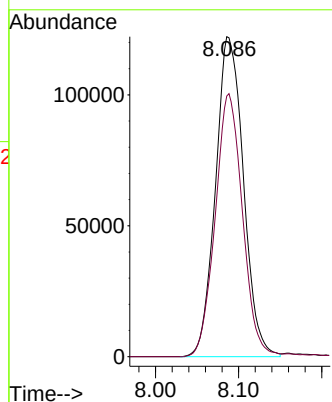
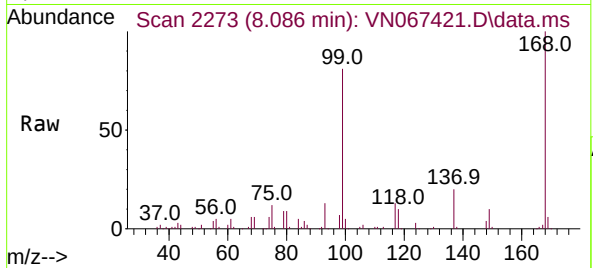




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.002 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

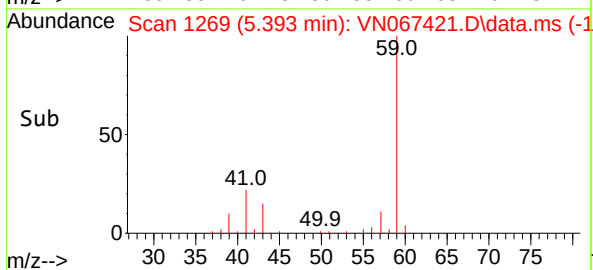
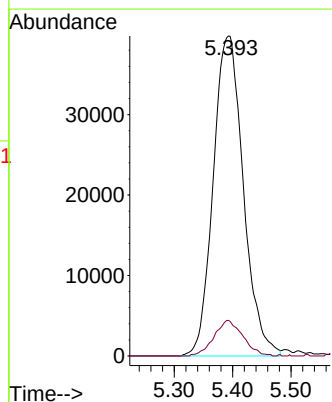
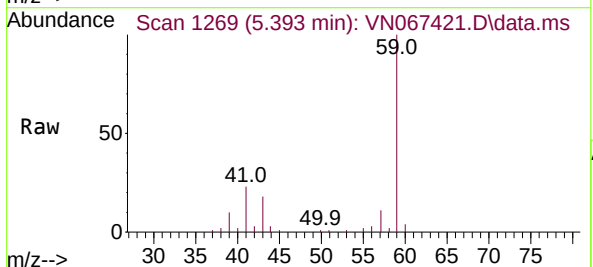
Instrument :
MSVOA_N
ClientSampleId :
SB-1-GW

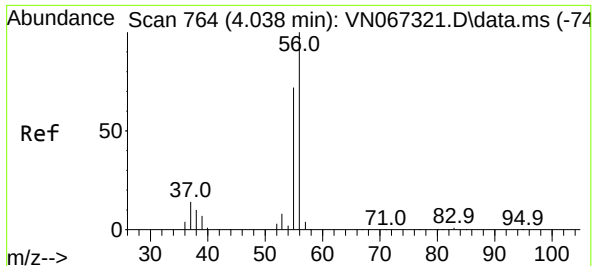
Tgt Ion:168 Resp: 285395
Ion Ratio Lower Upper
168 100
99 81.5 62.9 94.3



#11
Tert butyl alcohol
Concen: 153.80 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion: 59 Resp: 142542
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1

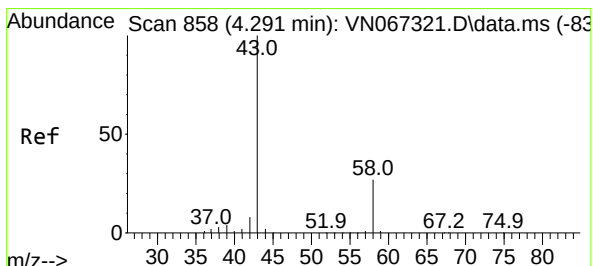
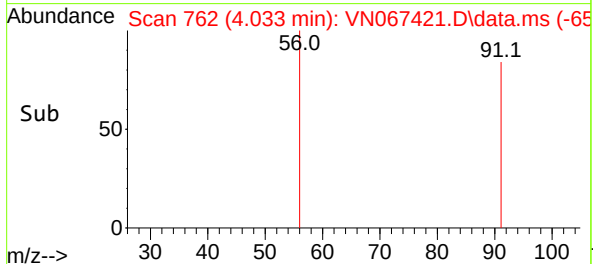
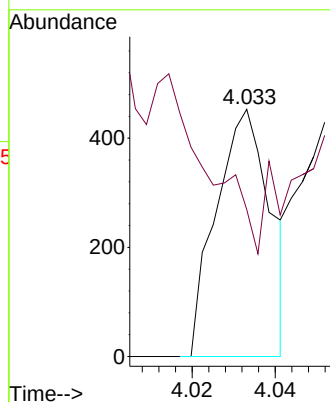
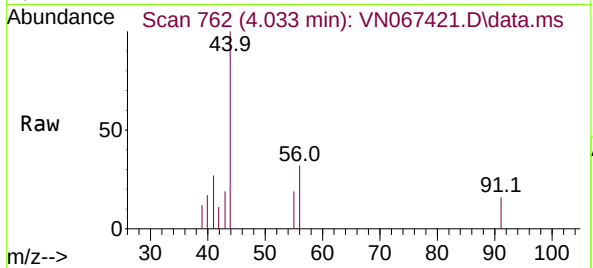




#13
Acrolein
Concen: 0.70 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.005 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

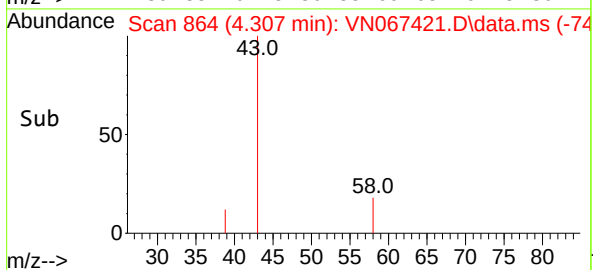
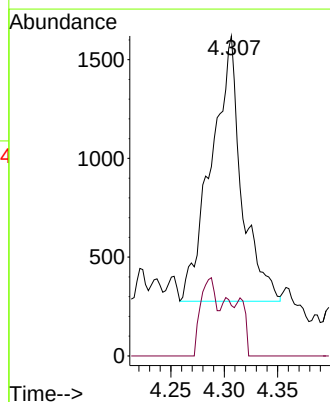
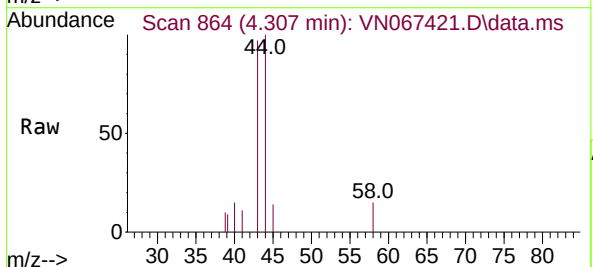
Instrument :
MSVOA_N
ClientSampled :
SB-1-GW

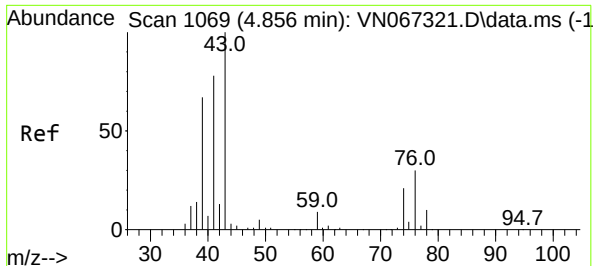
Tgt Ion: 56 Resp: 406
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 1.23 ug/l
RT: 4.307 min Scan# 864
Delta R.T. 0.016 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion: 43 Resp: 2649
Ion Ratio Lower Upper
43 100
58 19.0 21.2 31.8#





#18

Methyl Acetate

Concen: 0.48 ug/l

RT: 4.875 min Scan# 1076

Delta R.T. 0.019 min

Lab File: VN067421.D

Acq: 21 Jun 2021 17:02

Tgt Ion: 43 Resp: 2506

Ion Ratio Lower Upper

43 100

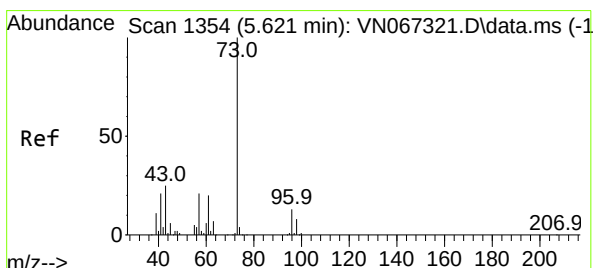
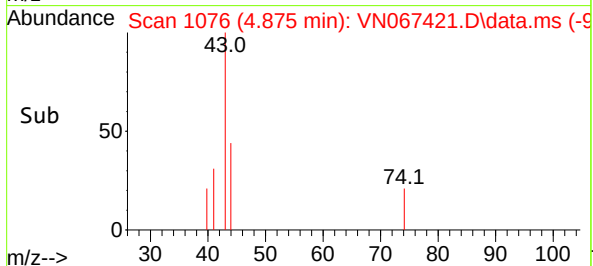
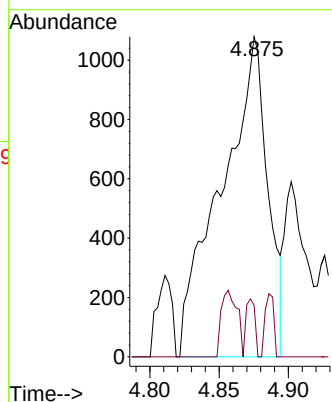
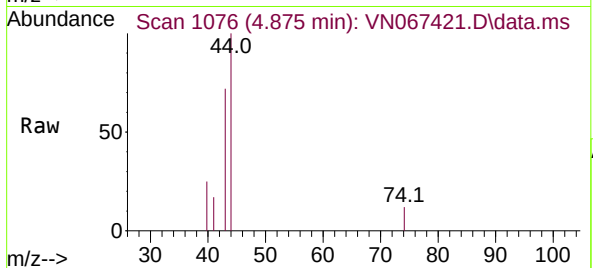
74 3.5 17.4 26.0#

Instrument :

MSVOA_N

ClientSampleId :

SB-1-GW



#19

Methyl tert-butyl Ether

Concen: 1.32 ug/l

RT: 5.621 min Scan# 1354

Delta R.T. -0.000 min

Lab File: VN067421.D

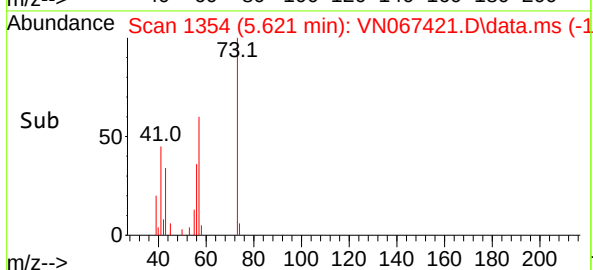
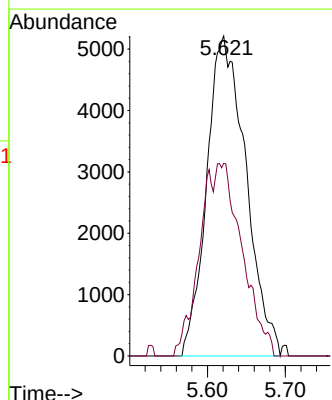
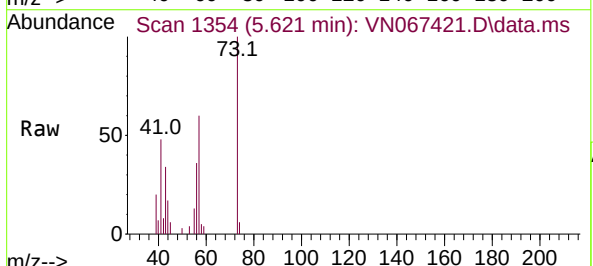
Acq: 21 Jun 2021 17:02

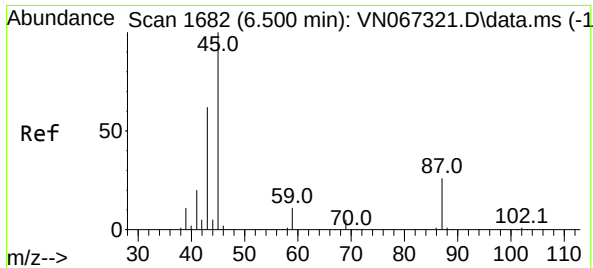
Tgt Ion: 73 Resp: 18161

Ion Ratio Lower Upper

73 100

57 60.2 17.0 25.6#

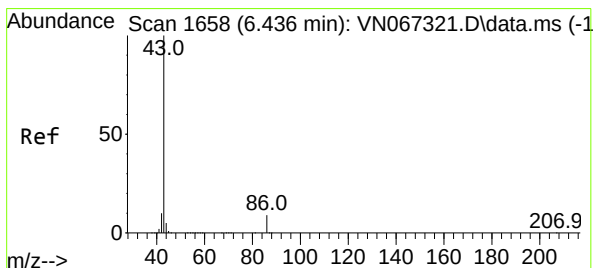
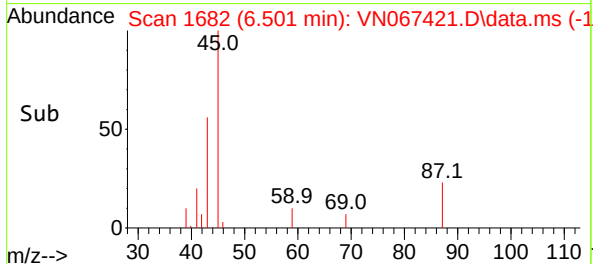
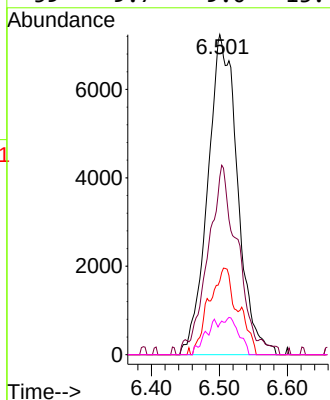
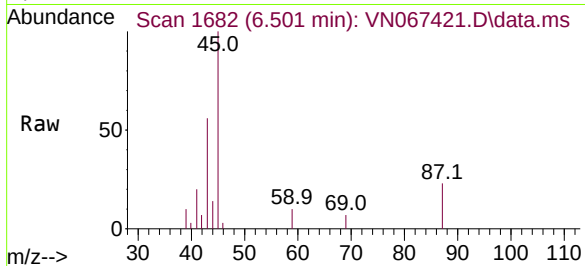




#22
Diisopropyl ether
Concen: 1.58 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.001 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

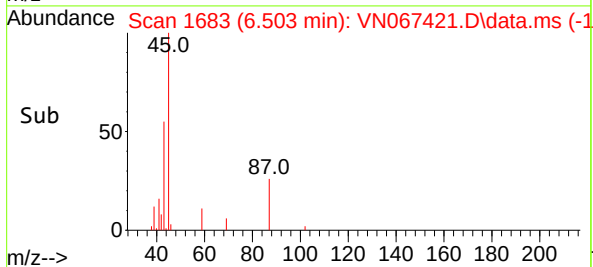
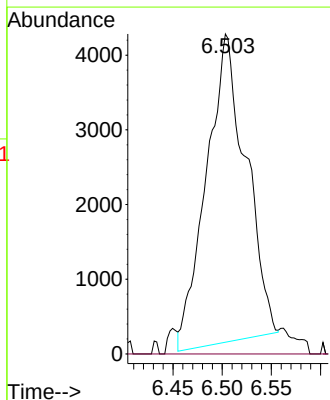
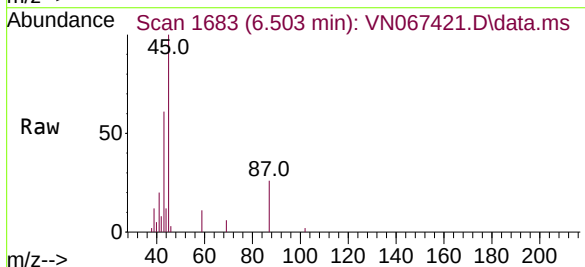
Instrument :
MSVOA_N
ClientSampleId :
SB-1-GW

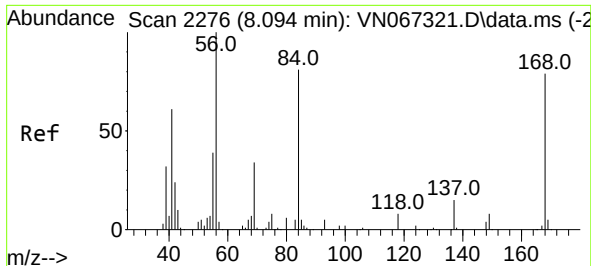
Tgt Ion:	45	Resp:	22095
Ion	Ratio	Lower	Upper
45	100		
43	55.5	49.4	74.2
87	23.0	20.9	31.3
59	9.7	9.0	13.4



#23
Vinyl Acetate
Concen: 0.90 ug/l
RT: 6.503 min Scan# 1683
Delta R.T. 0.067 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion:	43	Resp:	11546
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.3	10.9#

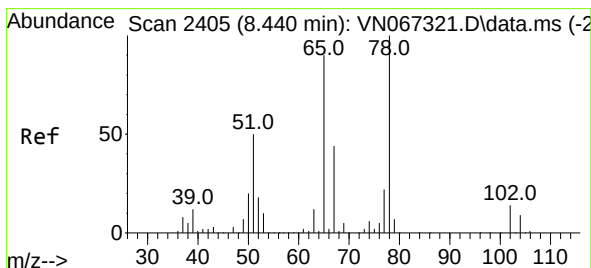
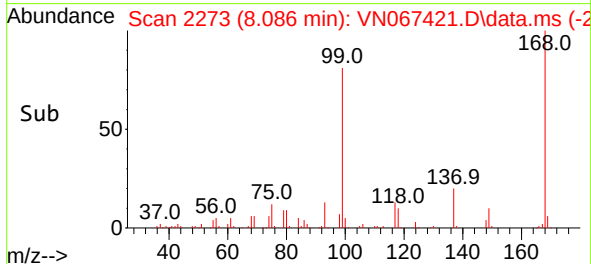
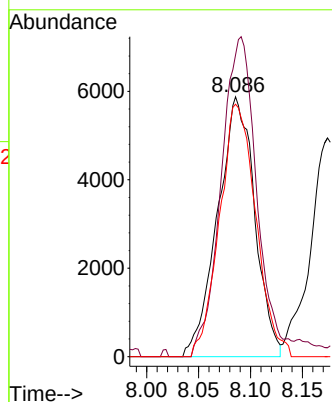
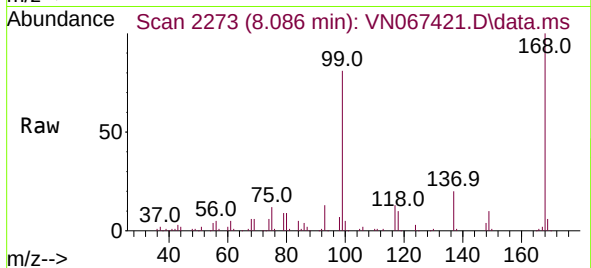




#31
Cyclohexane
Concen: 1.90 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

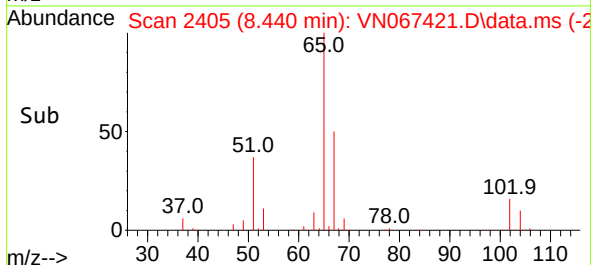
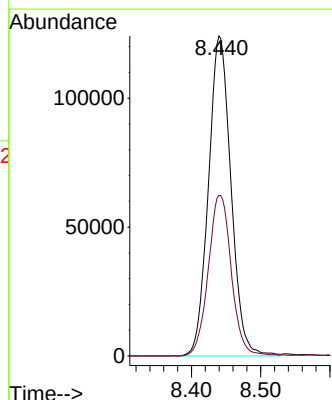
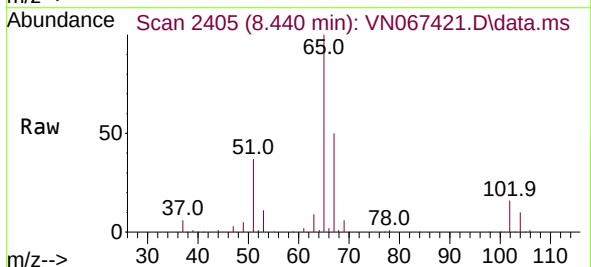
Instrument :
MSVOA_N
ClientSampled :
SB-1-GW

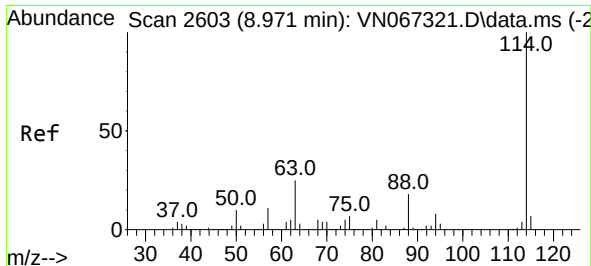
Tgt Ion: 56 Resp: 14572
Ion Ratio Lower Upper
56 100
69 116.1 27.3 40.9#
84 97.2 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 49.96 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion: 65 Resp: 281274
Ion Ratio Lower Upper
65 100
67 51.3 0.0 98.6

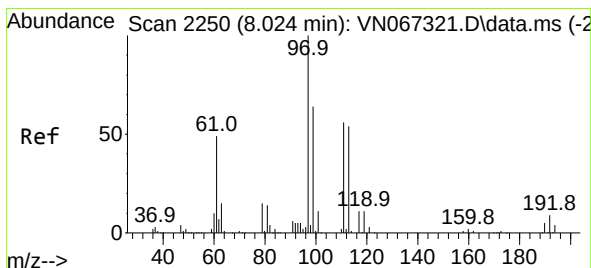
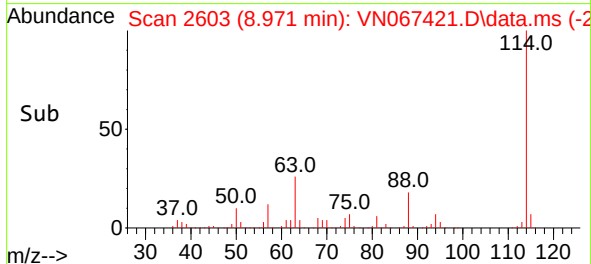
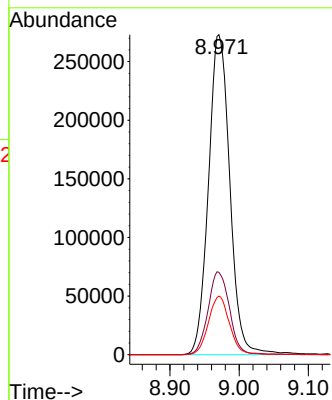
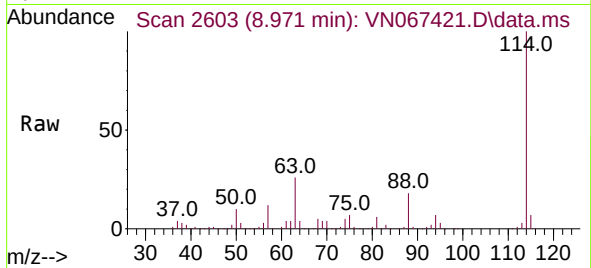




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

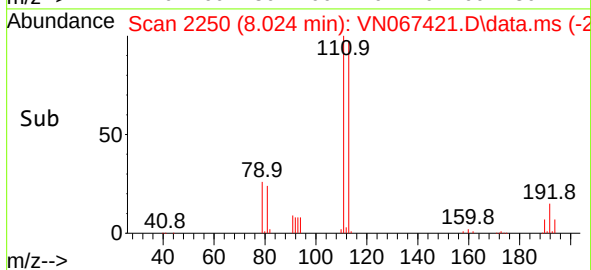
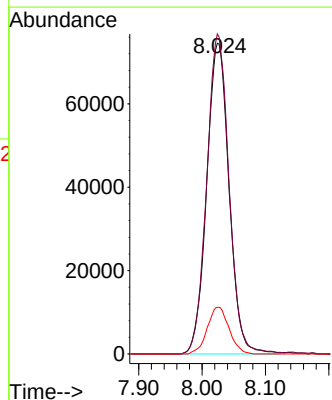
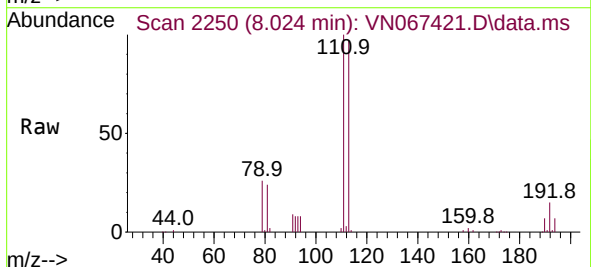
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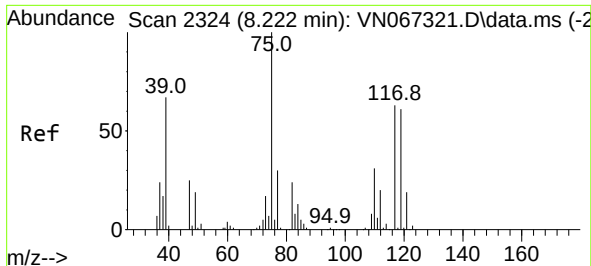
Tgt Ion:	114	Resp:	584381
Ion Ratio	Lower	Upper	
114	100		
63	25.8	0.0	49.0
88	18.3	0.0	36.6



#35
Dibromofluoromethane
Concen: 47.13 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion:	113	Resp:	183191
Ion Ratio	Lower	Upper	
113	100		
111	102.4	83.8	125.8
192	14.6	13.4	20.0

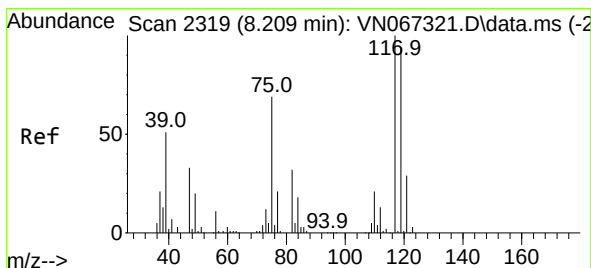
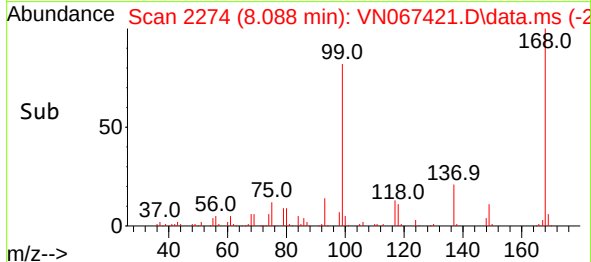
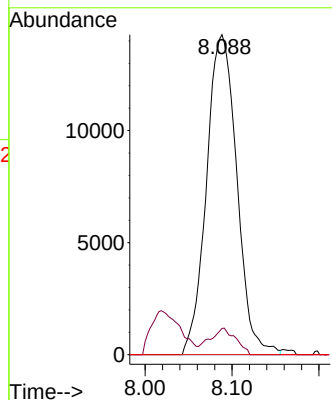
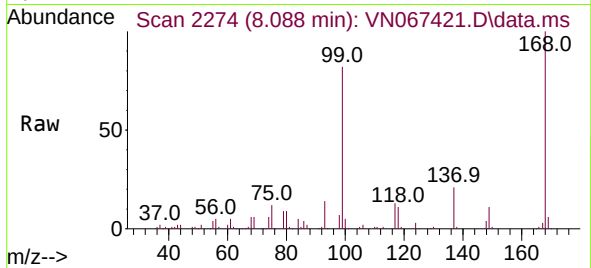




#36
1,1-Dichloropropene
Concen: 5.29 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

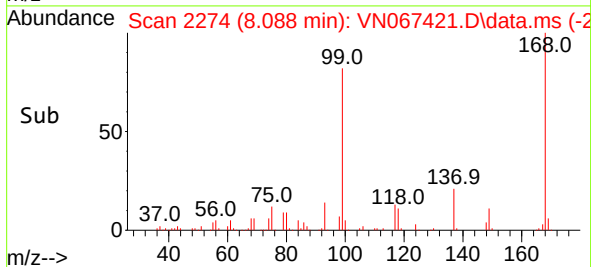
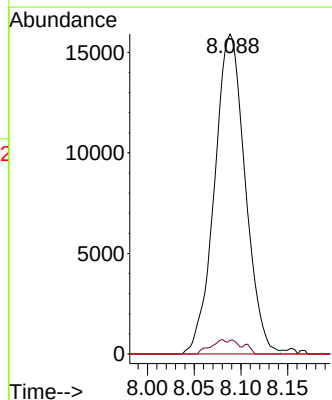
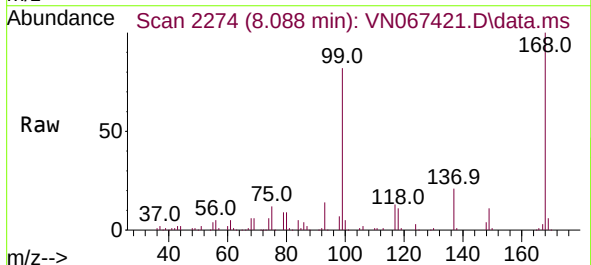
Instrument :
MSVOA_N
ClientSampled :
SB-1-GW

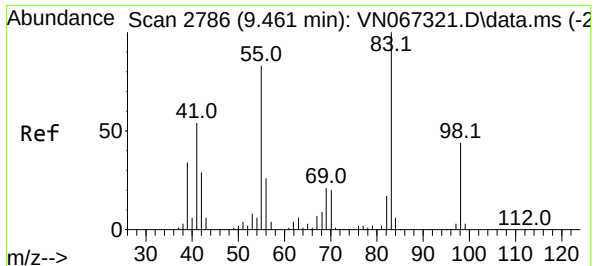
Tgt Ion: 75 Resp: 34632
Ion Ratio Lower Upper
75 100
110 7.1 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.16 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion: 117 Resp: 36312
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.2#
121 0.0 23.5 35.3#

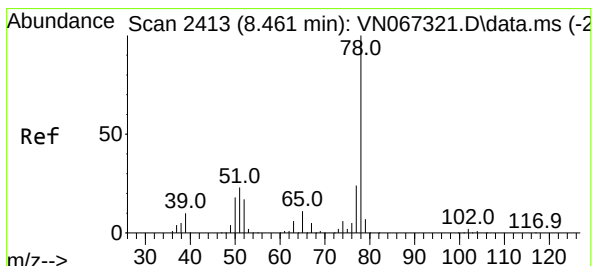
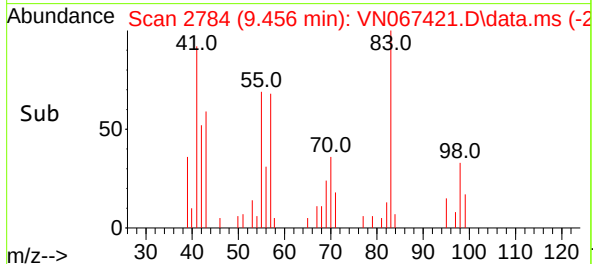
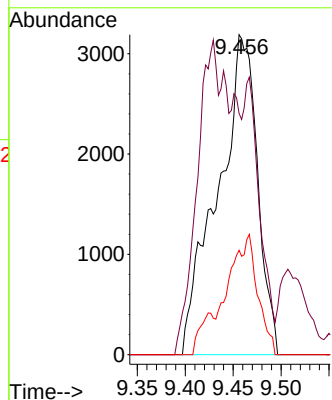
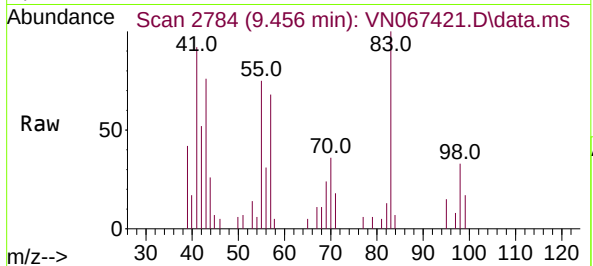




#39
Methylcyclohexane
Concen: 1.33 ug/l
RT: 9.456 min Scan# 2784
Delta R.T. -0.005 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

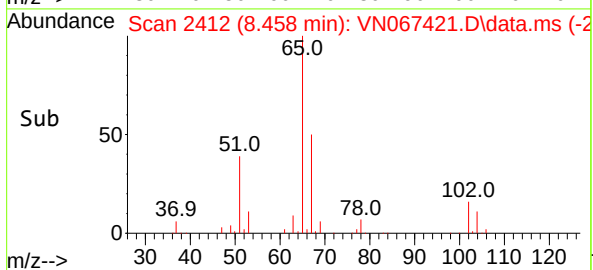
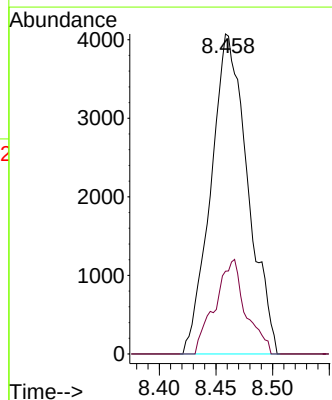
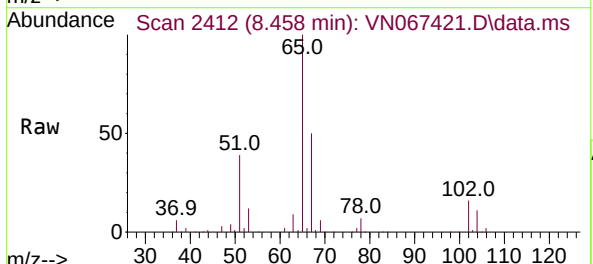
Instrument :
MSVOA_N
ClientSampleId :
SB-1-GW

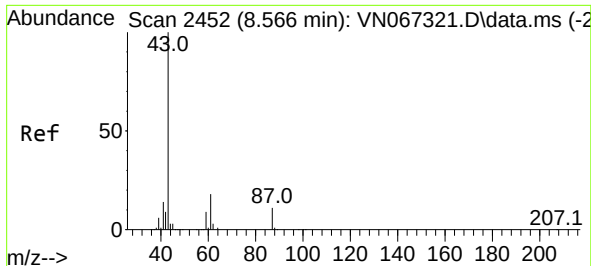
Tgt Ion: 83 Resp: 9201
Ion Ratio Lower Upper
83 100
55 66.7 66.6 99.8
98 32.6 35.3 52.9#



#40
Benzene
Concen: 0.50 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. -0.003 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion: 78 Resp: 9215
Ion Ratio Lower Upper
78 100
77 25.9 18.9 28.3





#43

Isopropyl Acetate

Concen: 0.50 ug/l

RT: 8.547 min Scan# 2445

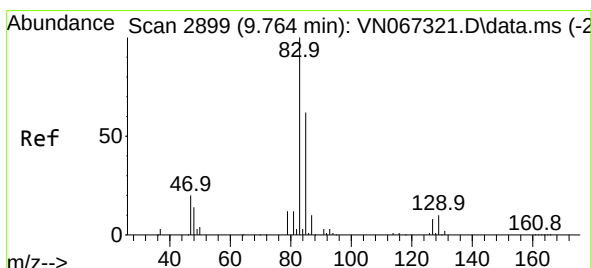
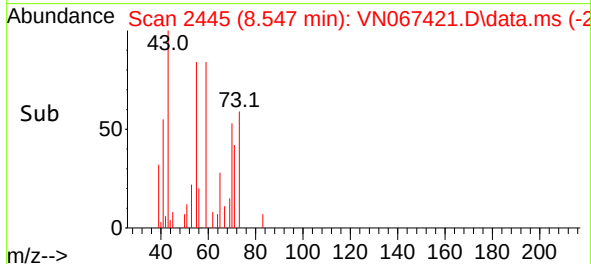
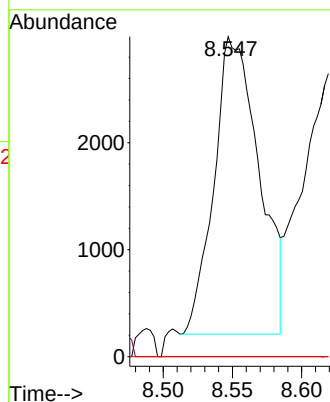
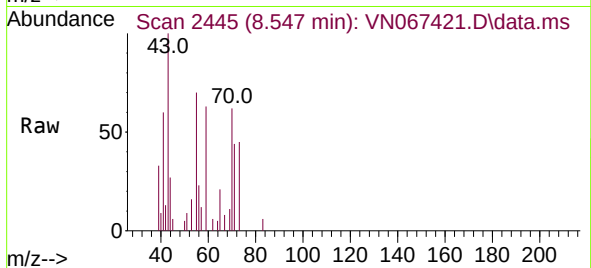
Delta R.T. -0.019 min

Lab File: VN067421.D

Acq: 21 Jun 2021 17:02

Instrument :
MSVOA_N
ClientSampled :
SB-1-GW

Tgt Ion:	43	Resp:	6285
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.0	28.4#
87	0.0	9.5	14.3#



#47

Bromodichloromethane

Concen: 0.24 ug/l

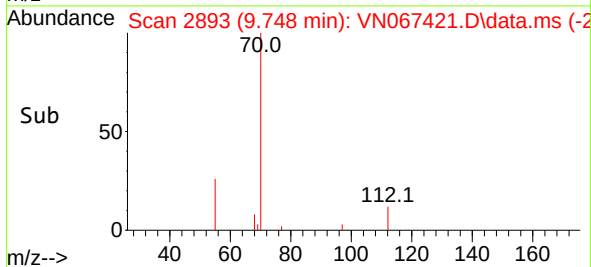
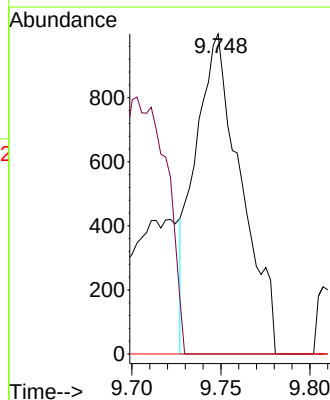
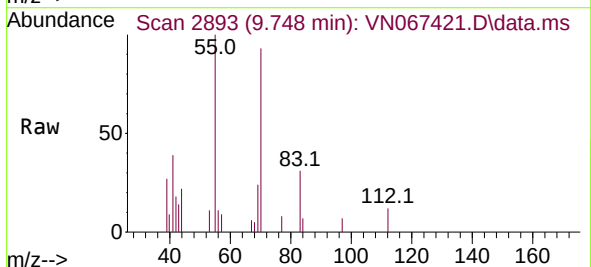
RT: 9.748 min Scan# 2893

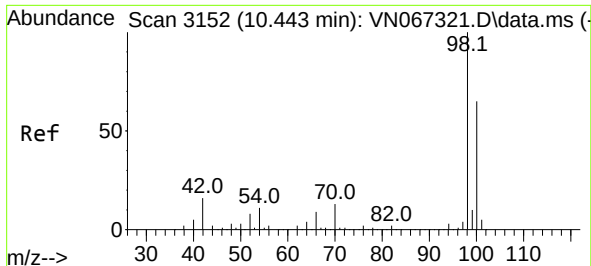
Delta R.T. -0.016 min

Lab File: VN067421.D

Acq: 21 Jun 2021 17:02

Tgt Ion:	83	Resp:	1789
Ion	Ratio	Lower	Upper
83	100		
85	0.0	49.9	74.9#
127	0.0	6.1	9.1#

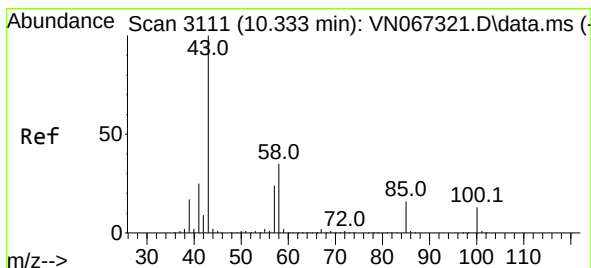
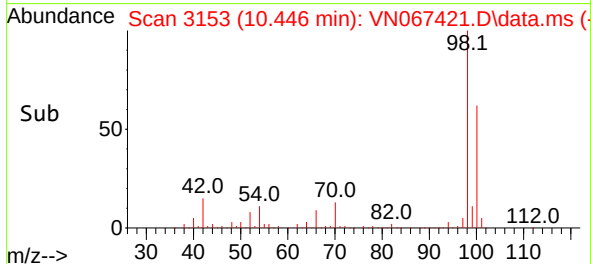
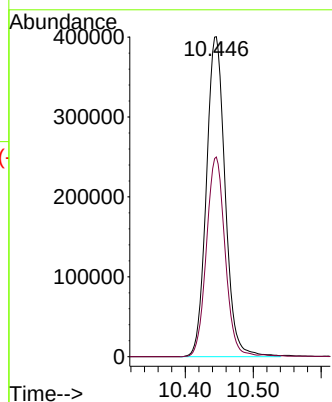
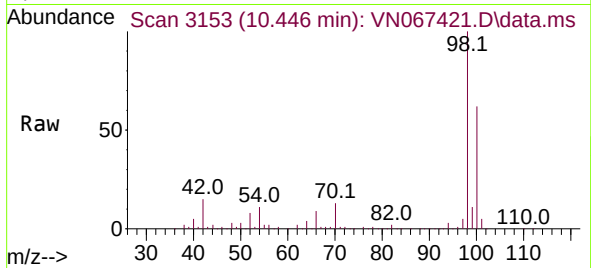




#50
Toluene-d8
Concen: 51.56 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

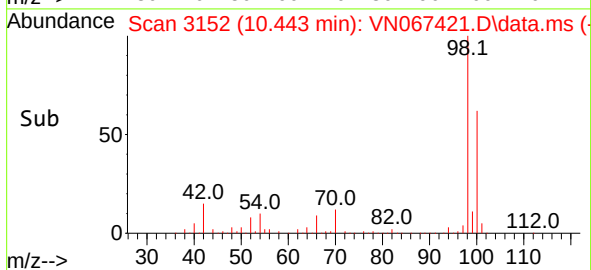
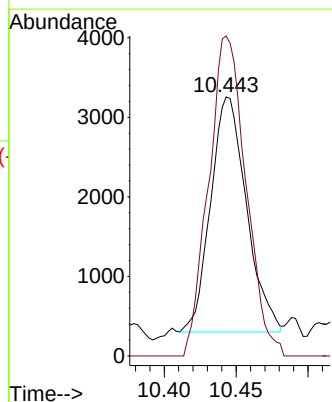
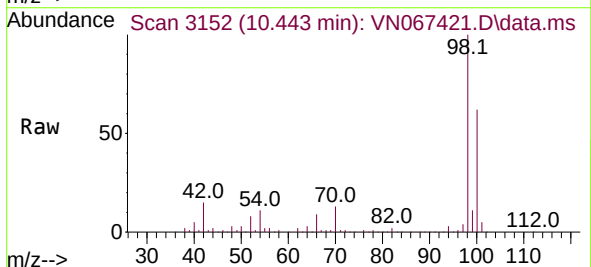
Instrument :
MSVOA_N
ClientSampled :
SB-1-GW

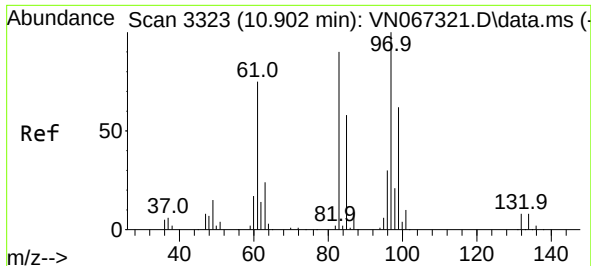
Tgt Ion: 98 Resp: 768003
Ion Ratio Lower Upper
98 100
100 62.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.71 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.110 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion: 43 Resp: 5124
Ion Ratio Lower Upper
43 100
58 141.6 28.6 43.0#

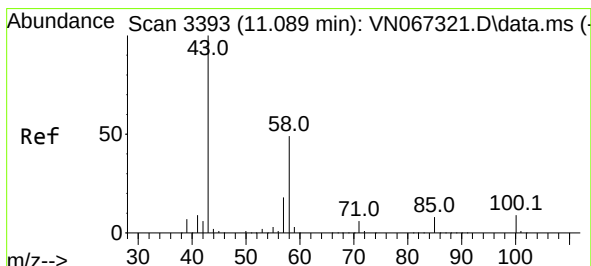
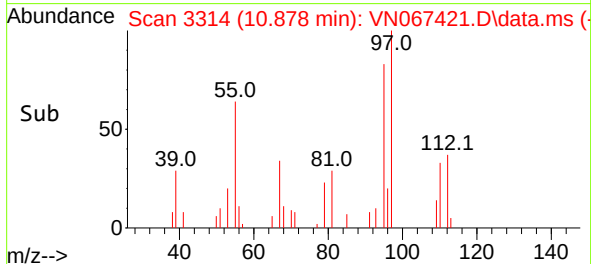
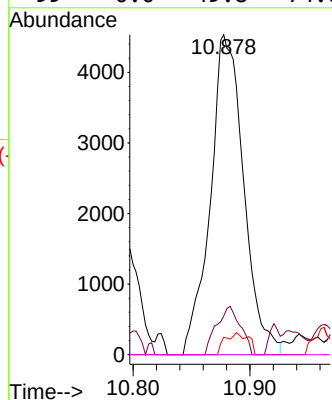
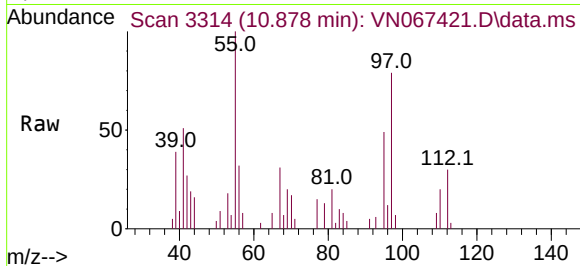




#55
1,1,2-Trichloroethane
Concen: 2.03 ug/l
RT: 10.878 min Scan# 3314
Delta R.T. -0.024 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

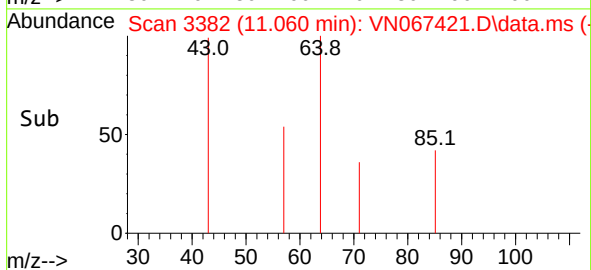
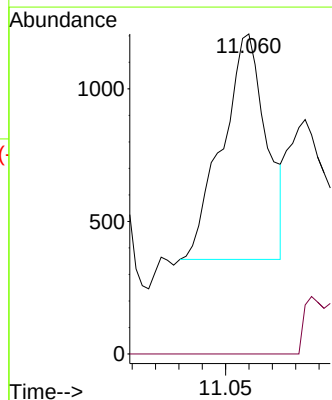
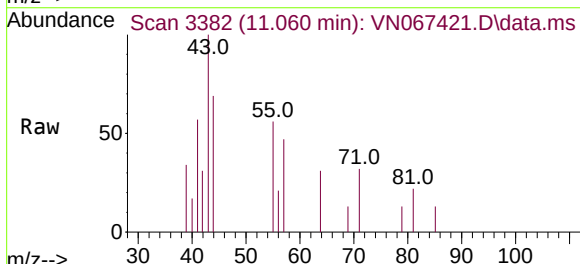
Instrument :
MSVOA_N
ClientSampleId :
SB-1-GW

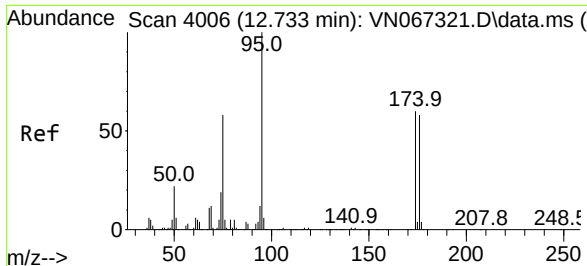
Tgt Ion:	97	Resp:	9005
Ion	Ratio	Lower	Upper
97	100		
83	12.1	72.0	108.0#
85	5.4	46.8	70.2#
99	0.0	49.8	74.6#



#59
2-Hexanone
Concen: 0.21 ug/l
RT: 11.060 min Scan# 3382
Delta R.T. -0.029 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion:	43	Resp:	1120
Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.7	74.1#

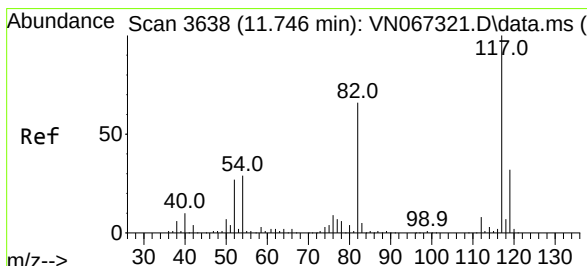
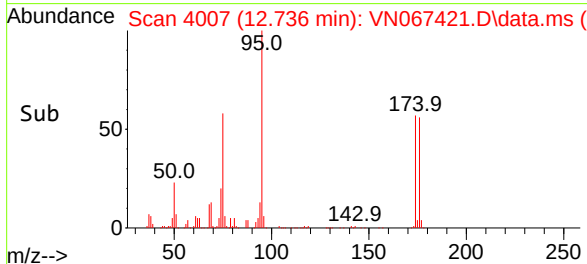
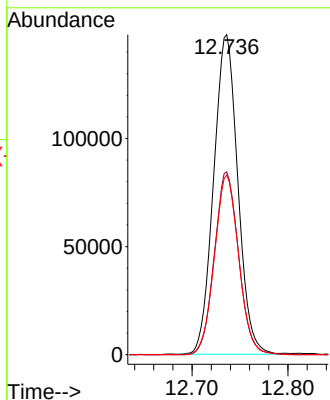
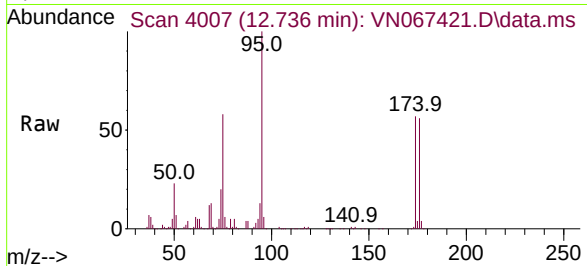




#62
4-Bromofluorobenzene
Concen: 42.15 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

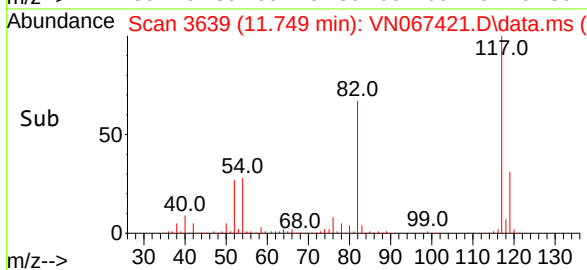
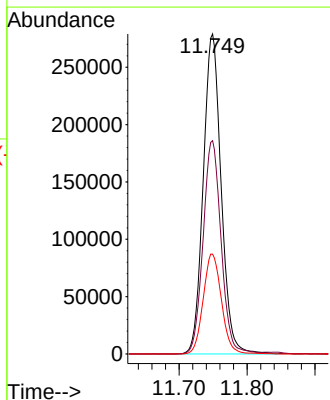
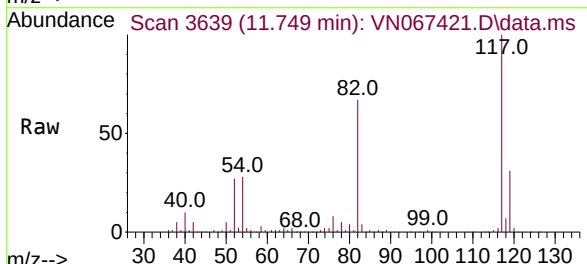
Instrument :
MSVOA_N
ClientSampleId :
SB-1-GW

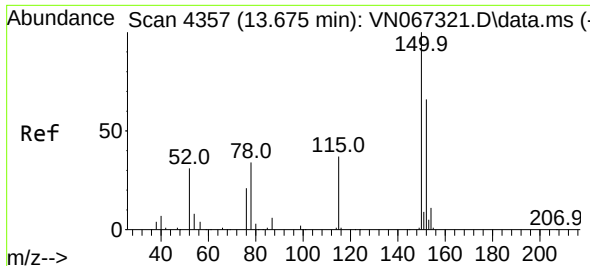
Tgt Ion: 95 Resp: 259111
Ion Ratio Lower Upper
95 100
174 57.3 0.0 122.0
176 56.4 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion: 117 Resp: 511825
Ion Ratio Lower Upper
117 100
82 66.6 53.1 79.7
119 31.2 25.5 38.3

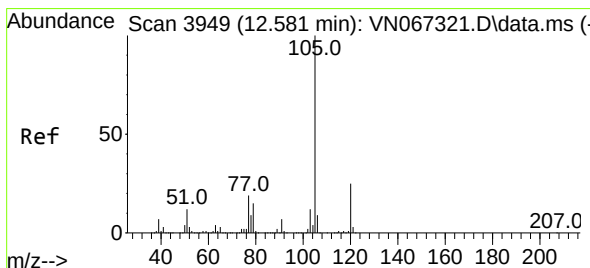
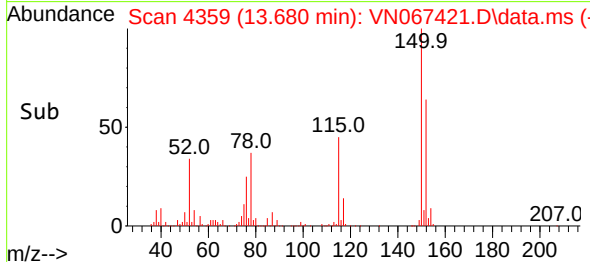
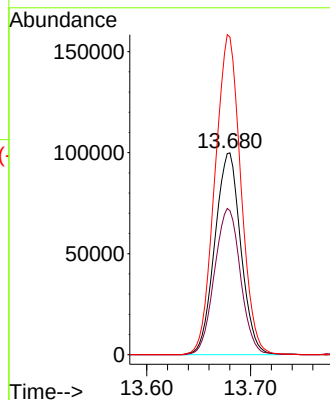
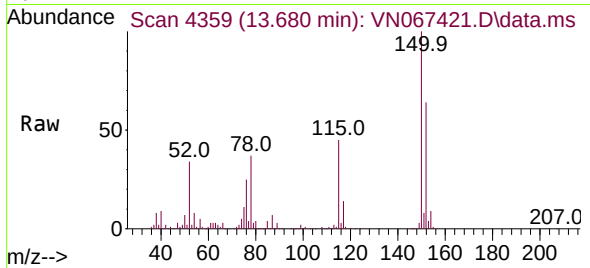




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.005 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

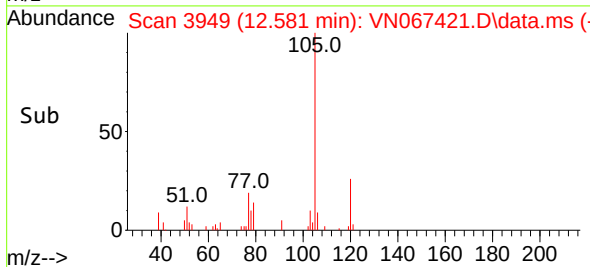
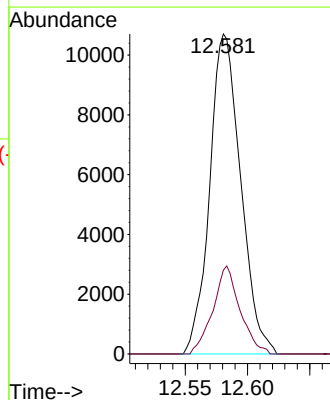
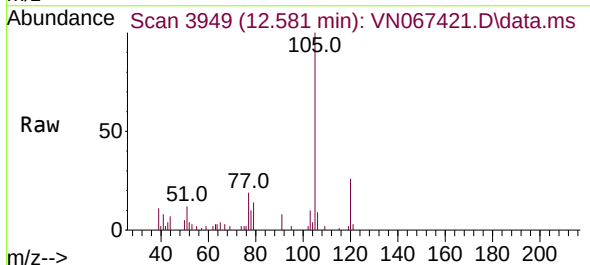
Instrument :
MSVOA_N
ClientSampleId :
SB-1-GW

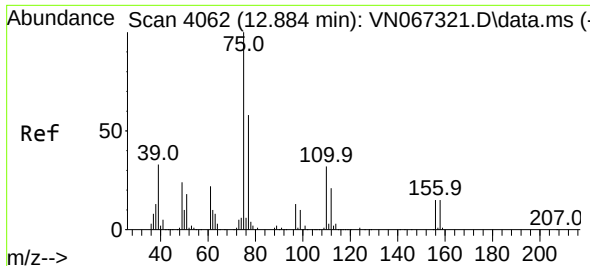
Tgt Ion:152 Resp: 173806
Ion Ratio Lower Upper
152 100
115 72.5 36.1 108.5
150 157.9 0.0 351.8



#73
Isopropylbenzene
Concen: 1.11 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. -0.000 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion:105 Resp: 18498
Ion Ratio Lower Upper
105 100
120 24.0 12.5 37.5

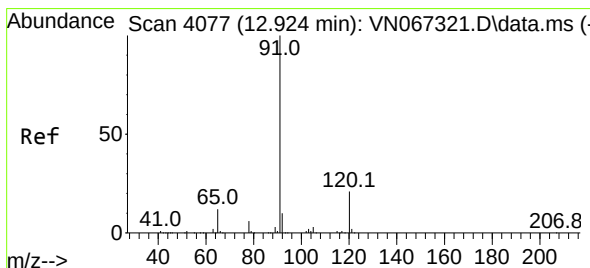
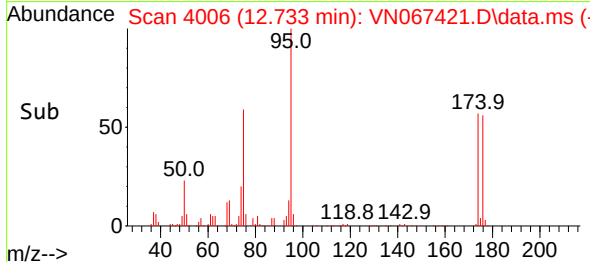
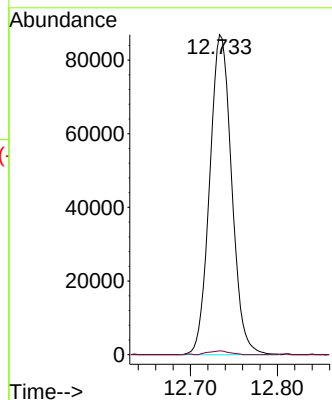
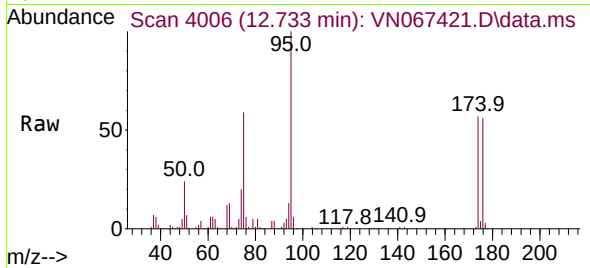




#76
1,2,3-Trichloropropane
Concen: 33.83 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

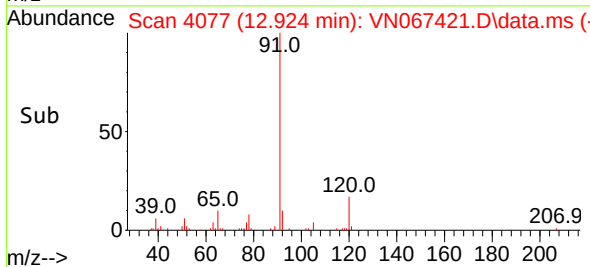
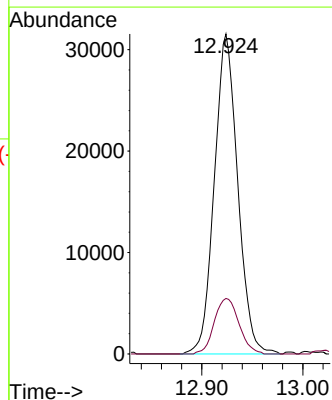
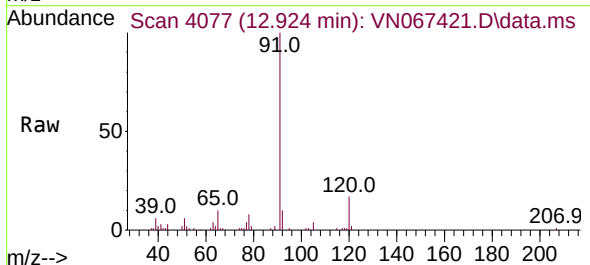
Instrument :
MSVOA_N
ClientSampleId :
SB-1-GW

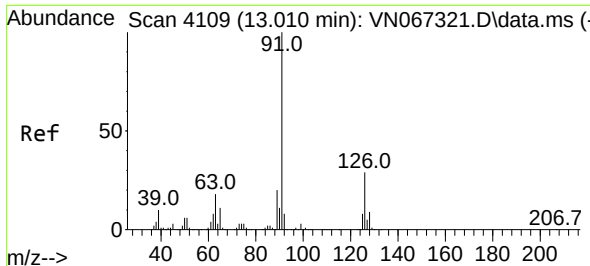
Tgt Ion: 75 Resp: 152690
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#78
n-propylbenzene
Concen: 2.55 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. -0.000 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion: 91 Resp: 50661
Ion Ratio Lower Upper
91 100
120 18.3 10.4 31.4

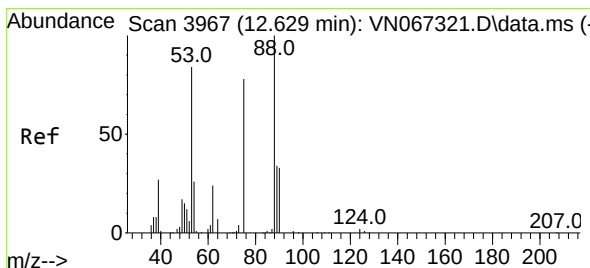
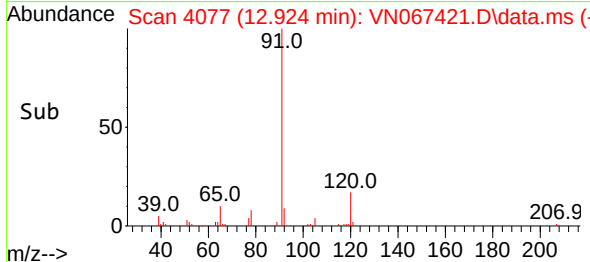
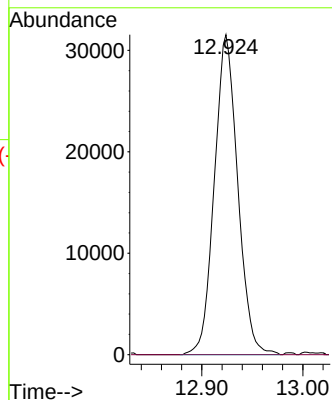
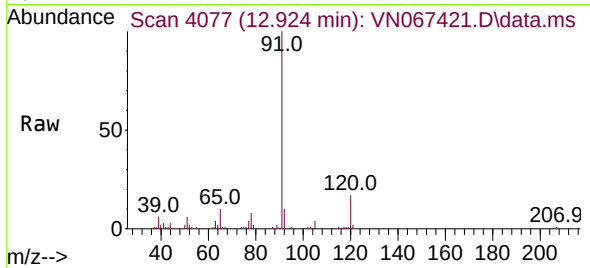




#79
2-Chlorotoluene
Concen: 4.10 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. -0.086 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

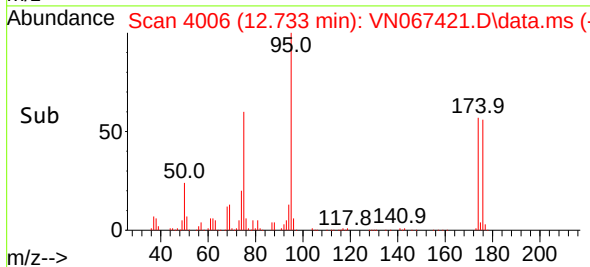
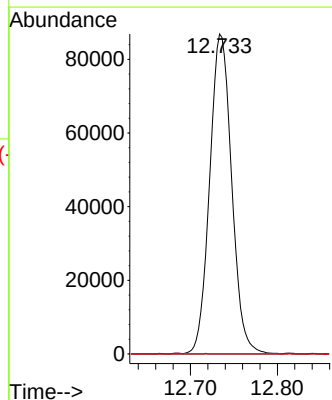
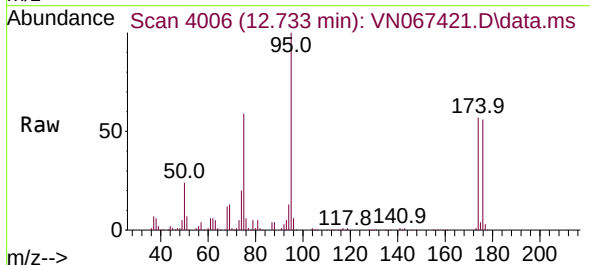
Instrument :
MSVOA_N
ClientSampled :
SB-1-GW

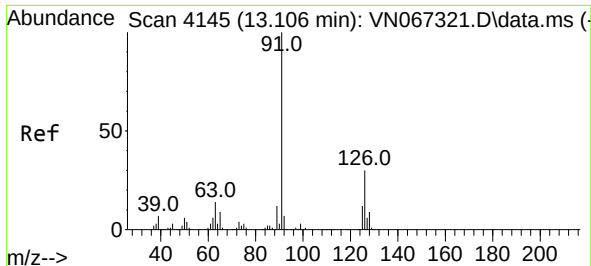
Tgt Ion: 91 Resp: 50661
Ion Ratio Lower Upper
91 100
126 0.0 14.5 43.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.84 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion: 75 Resp: 152690
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

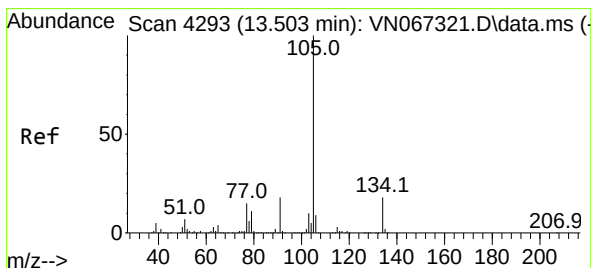
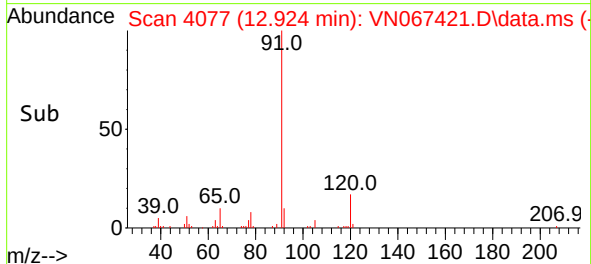
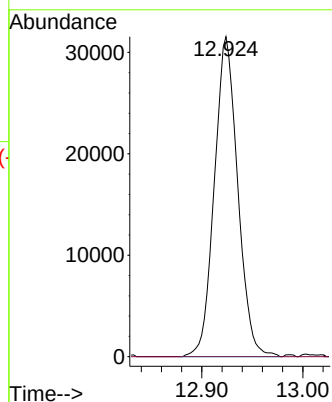
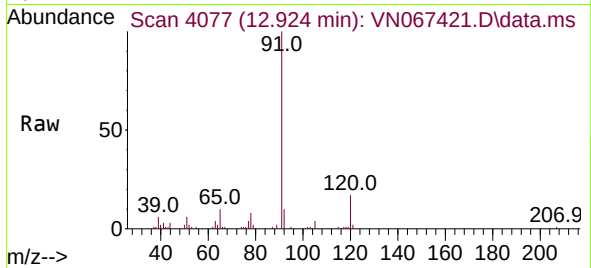




#82
4-Chlorotoluene
Concen: 4.12 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. -0.182 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

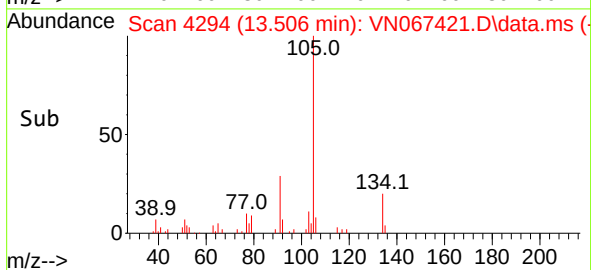
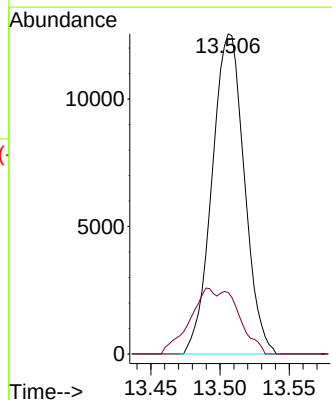
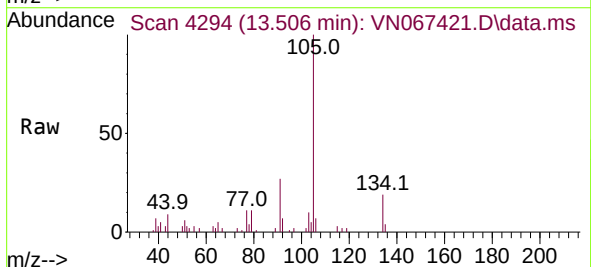
Instrument :
MSVOA_N
ClientSampleId :
SB-1-GW

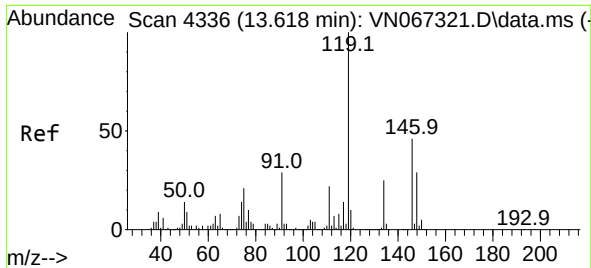
Tgt Ion: 91 Resp: 50661
Ion Ratio Lower Upper
91 100
126 0.0 14.8 44.4#



#85
sec-Butylbenzene
Concen: 1.29 ug/l
RT: 13.506 min Scan# 4294
Delta R.T. 0.003 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion: 105 Resp: 20354
Ion Ratio Lower Upper
105 100
134 17.2 9.0 27.1

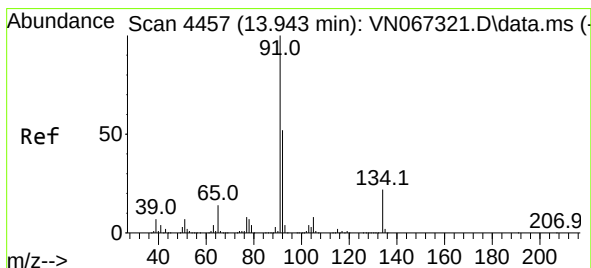
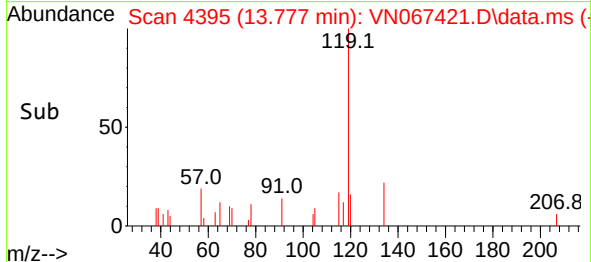
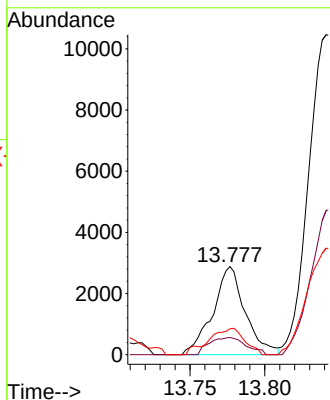
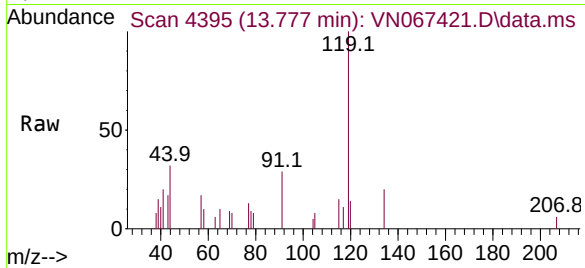




#86
p-Isopropyltoluene
Concen: 0.34 ug/l
RT: 13.777 min Scan# 4395
Delta R.T. 0.159 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

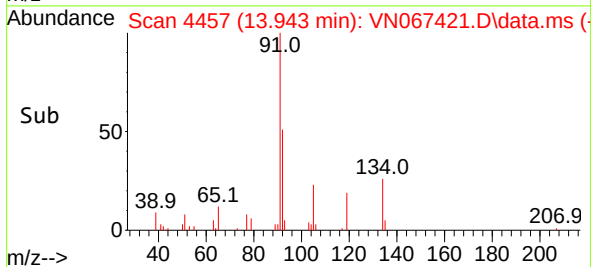
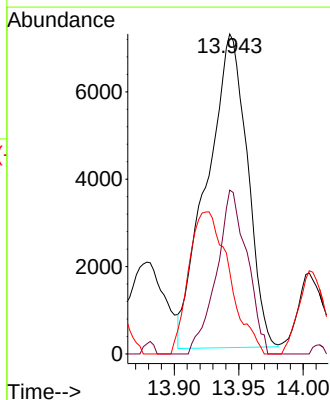
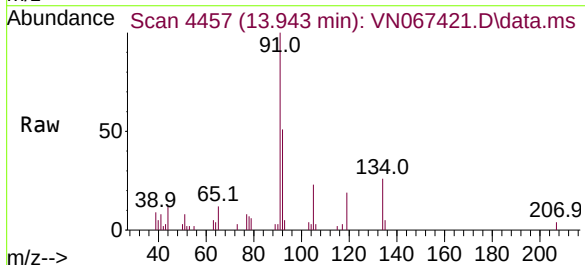
Instrument :
MSVOA_N
ClientSampleId :
SB-1-GW

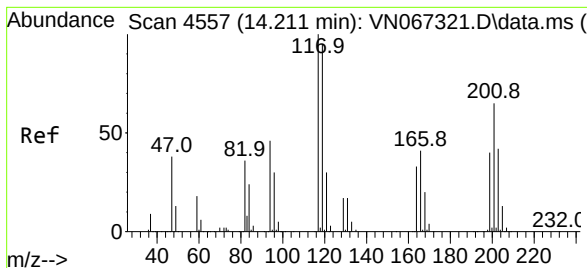
Tgt Ion:119 Resp: 4345
Ion Ratio Lower Upper
119 100
134 22.2 12.4 37.4
91 33.0 14.8 44.3



#89
n-Butylbenzene
Concen: 1.30 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion: 91 Resp: 15628
Ion Ratio Lower Upper
91 100
92 39.7 25.7 77.1
134 45.5 11.2 33.6#

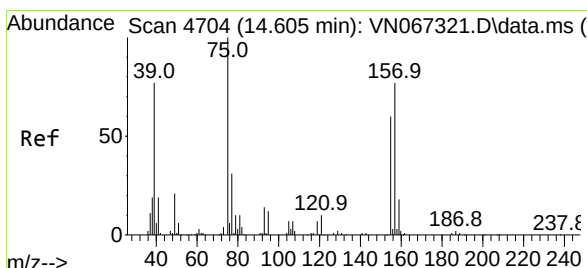
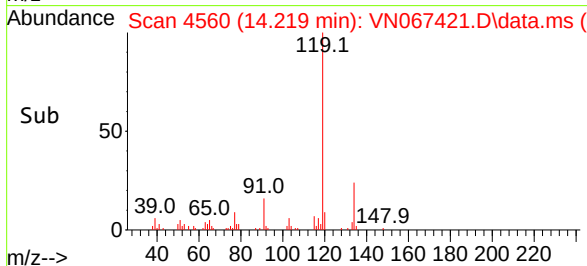
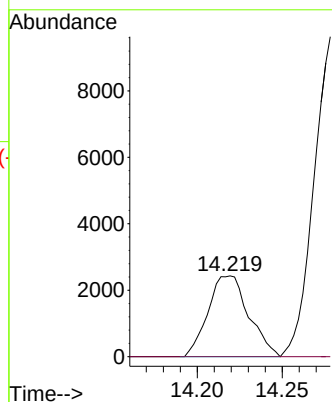
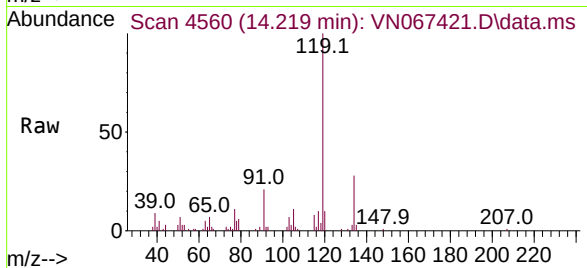




#90
Hexachloroethane
Concen: 1.62 ug/l
RT: 14.219 min Scan# 4560
Delta R.T. 0.008 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

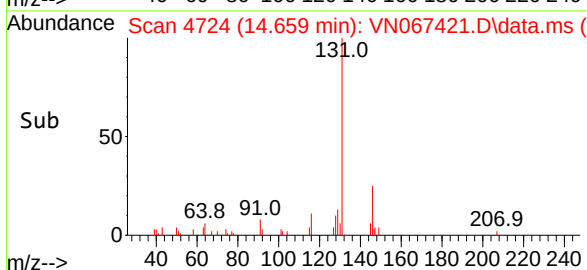
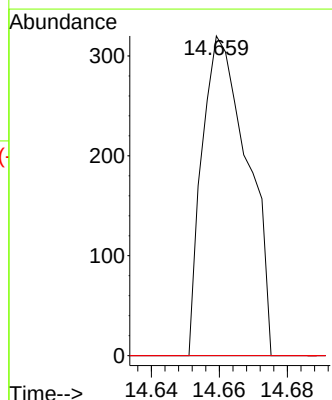
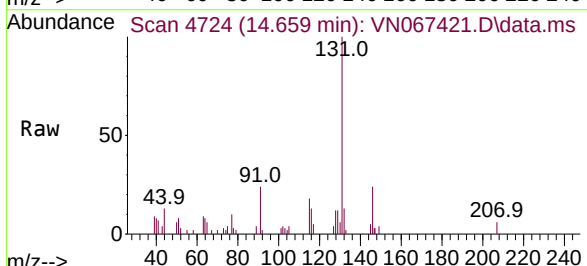
Instrument :
MSVOA_N
ClientSampleId :
SB-1-GW

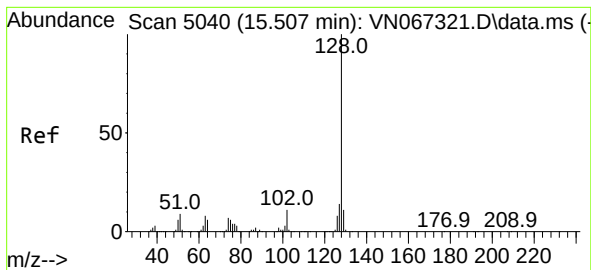
Tgt Ion:117 Resp: 4047
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.24 ug/l
RT: 14.659 min Scan# 4724
Delta R.T. 0.054 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Tgt Ion: 75 Resp: 297
Ion Ratio Lower Upper
75 100
155 0.0 29.8 89.5#
157 0.0 37.6 112.8#





#95
Naphthalene
Concen: 3.51 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067421.D
Acq: 21 Jun 2021 17:02

Instrument :
MSVOA_N
ClientSampleId :
SB-1-GW

Tgt Ion:128 Resp: 10081
Ion Ratio Lower Upper
128 100
127 7.3 10.6 15.8#
129 10.7 8.6 12.8

