

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068169.D
 Acq On : 18 Aug 2021 3:06
 Operator : JC/MD
 Sample : M3446-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW6B-GW-20210816

Quant Time: Aug 18 08:41:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

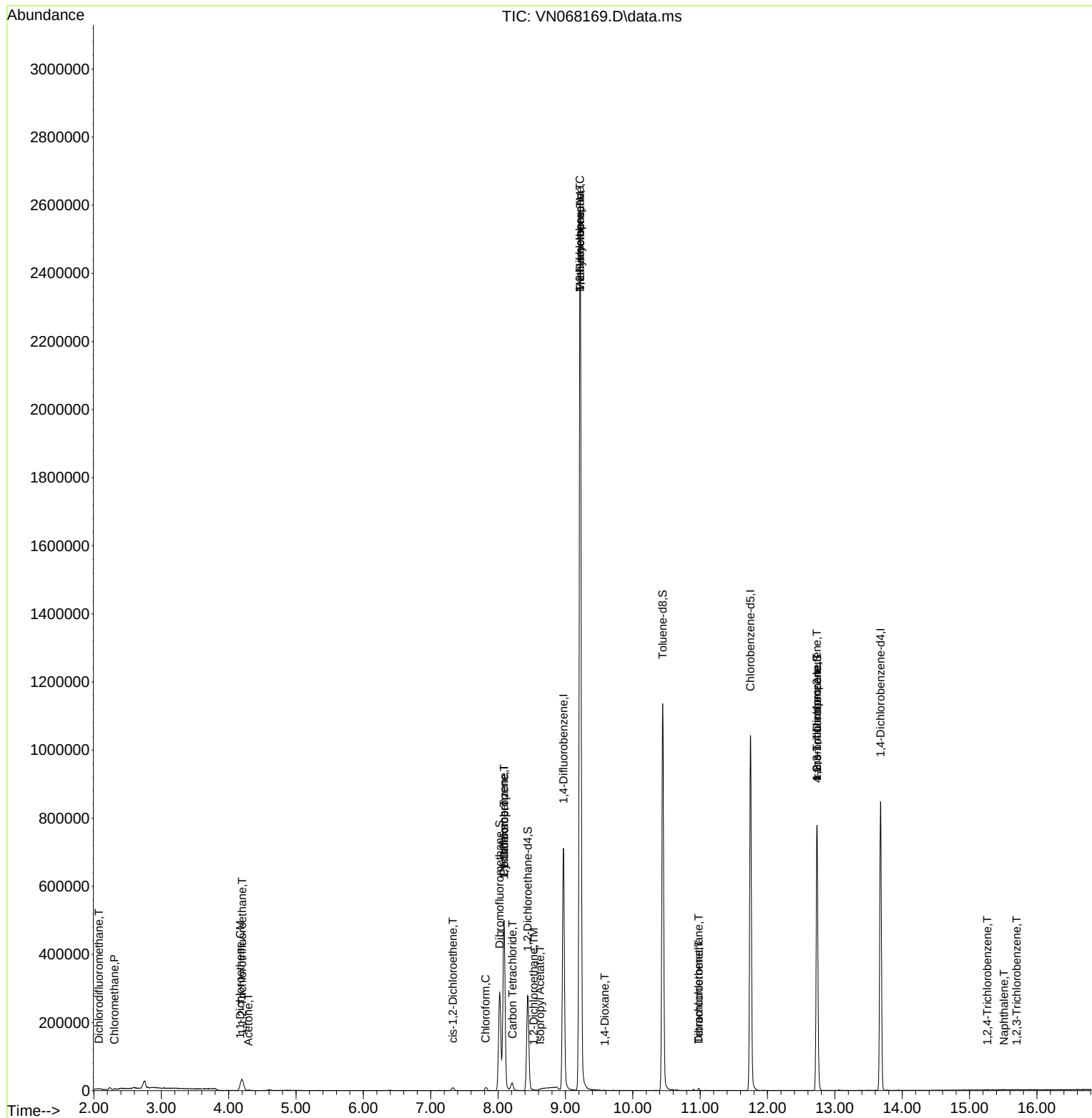
Internal Standards						
1) Pentafluorobenzene	8.088	168	413513	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	687560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	680354	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	253489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	235801	53.407	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.820%	
35) Dibromofluoromethane	8.024	113	207973	48.179	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.360%	
50) Toluene-d8	10.443	98	835420	50.791	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.580%	
62) 4-Bromofluorobenzene	12.736	95	267809	48.911	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.820%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	1551	0.473	ug/l	94
3) Chloromethane	2.303	50	2631	0.711	ug/l	97
5) Bromomethane	2.840	94	249	Below Cal	#	4
6) Chloroethane	3.033	64	54	Below Cal	#	44
9) 1,1,2-Trichlorotrifluo...	4.202	101	18960	5.438	ug/l #	75
12) 1,1-Dichloroethene	4.173	96	7252	2.163	ug/l #	64
13) Acrolein	4.055	56	121	Below Cal	#	14
16) Acetone	4.293	43	1051	0.815	ug/l #	90
18) Methyl Acetate	4.867	43	1826	Below Cal	#	67
20) Methylene Chloride	5.098	84	24	Below Cal	#	55
27) cis-1,2-Dichloroethene	7.329	96	4465	0.994	ug/l	33
30) Chloroform	7.815	83	8993	1.207	ug/l	93
31) Cyclohexane	8.086	56	7445	1.280	ug/l #	16
36) 1,1-Dichloropropene	8.091	75	27931	4.969	ug/l #	52
38) Carbon Tetrachloride	8.212	117	16580	2.558	ug/l #	95
39) Methylcyclohexane	9.215	83	11409	1.797	ug/l #	1
42) 1,2-Dichloroethane	8.528	62	1236	0.212	ug/l #	79
43) Isopropyl Acetate	8.625	43	2143	0.279	ug/l #	58
44) Trichloroethene	9.220	130	997422	193.345	ug/l	78
45) 1,2-Dichloropropane	9.215	63	2694	0.668	ug/l #	1
49) 1,4-Dioxane	9.585	88	499	6.459	ug/l #	21
60) Dibromochloromethane	10.980	129	1206	0.229	ug/l #	11
64) Tetrachloroethene	10.980	164	1455	0.277	ug/l #	74
76) 1,2,3-Trichloropropane	12.734	75	136038	32.288	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	136038	105.781	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	551	2.808	ug/l #	63
95) Naphthalene	15.512	128	1506	3.486	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.700	180	254	2.891	ug/l #	28

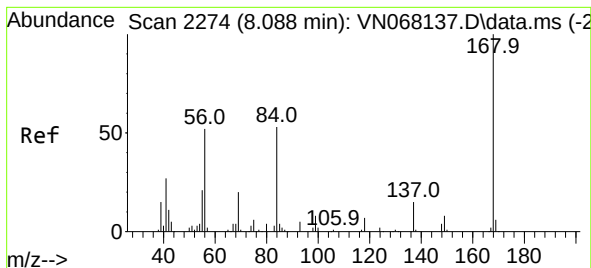
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
Data File : VN068169.D
Acq On : 18 Aug 2021 3:06
Operator : JC/MD
Sample : M3446-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

Quant Time: Aug 18 08:41:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

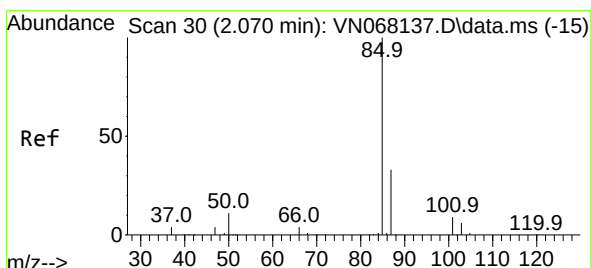
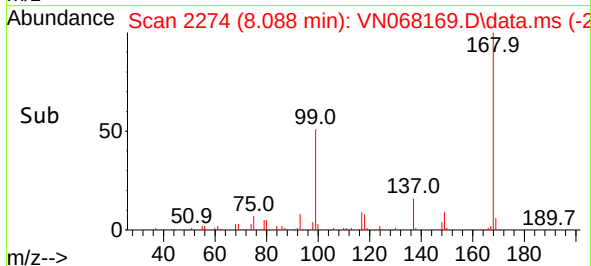
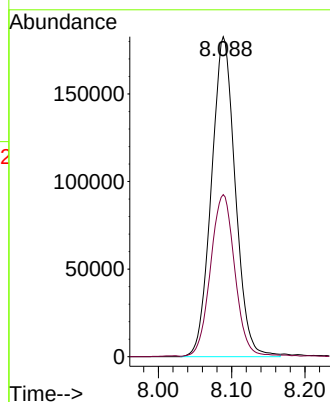
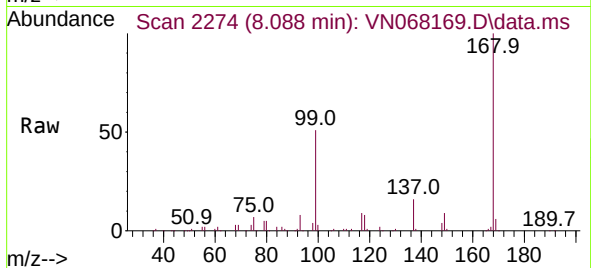
Lab File: VN068169.D

Acq: 18 Aug 2021 3:06

Tgt Ion:168 Resp: 413513

Ion Ratio Lower Upper

168 100
99 50.5 62.9 94.3#



#2

Dichlorodifluoromethane

Concen: 0.473 ug/l

RT: 2.073 min Scan# 31

Delta R.T. 0.003 min

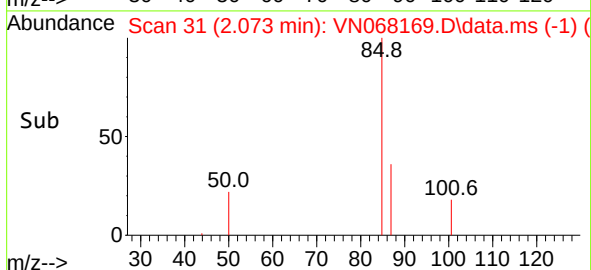
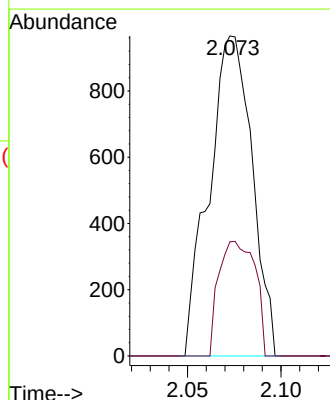
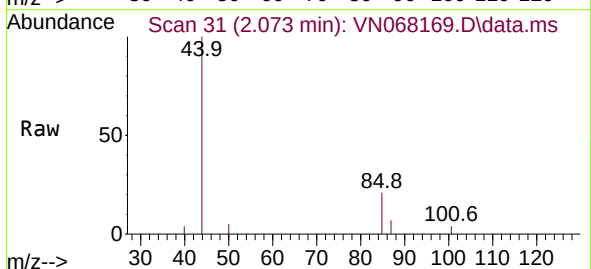
Lab File: VN068169.D

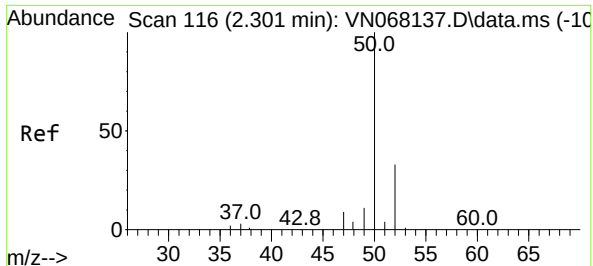
Acq: 18 Aug 2021 3:06

Tgt Ion: 85 Resp: 1551

Ion Ratio Lower Upper

85 100
87 35.7 16.1 48.2

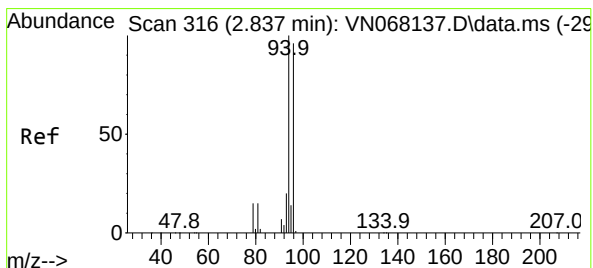
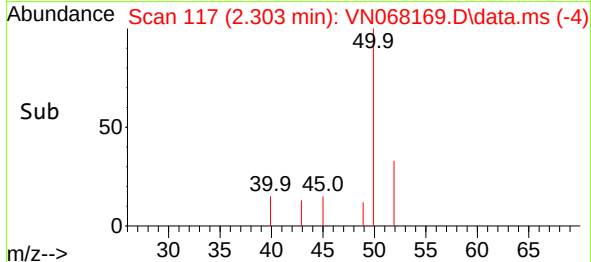
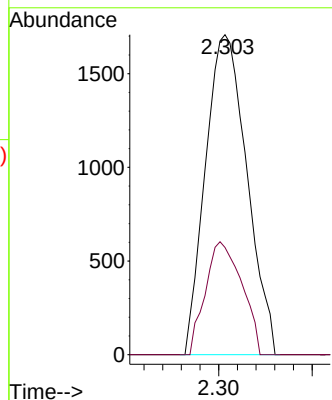
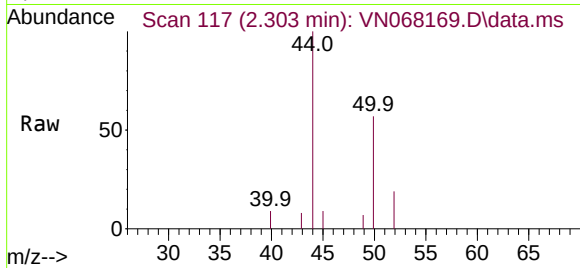




#3
Chloromethane
Concen: 0.711 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

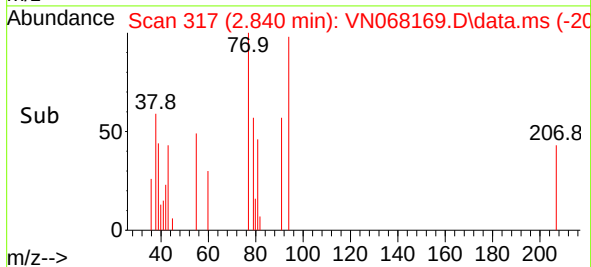
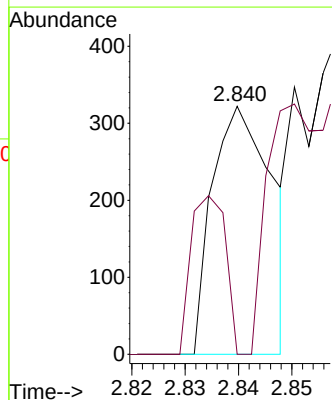
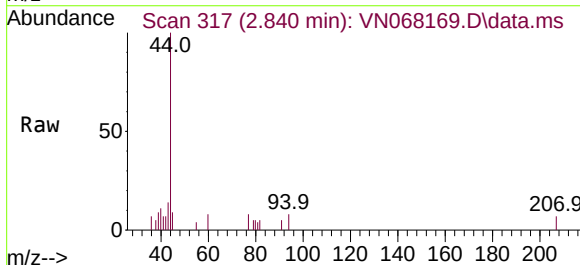
Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

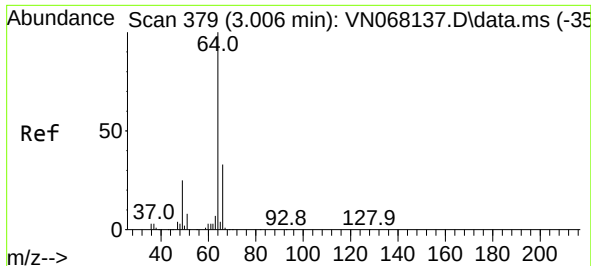
Tgt Ion: 50 Resp: 2631
Ion Ratio Lower Upper
50 100
52 33.5 25.6 38.4



#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 317
Delta R.T. 0.003 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Tgt Ion: 94 Resp: 249
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

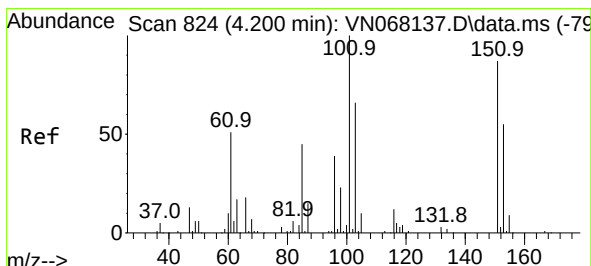
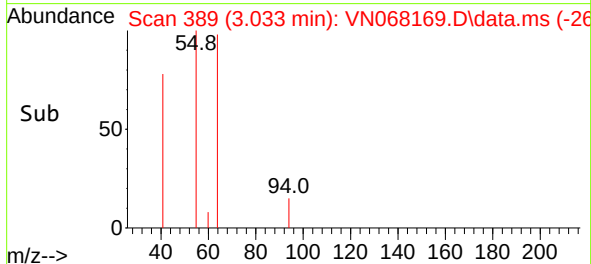
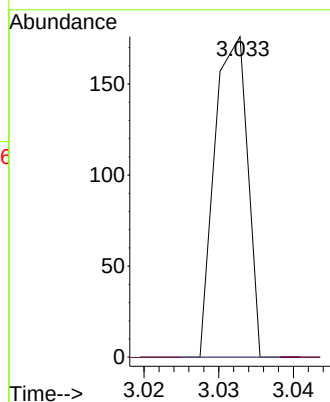
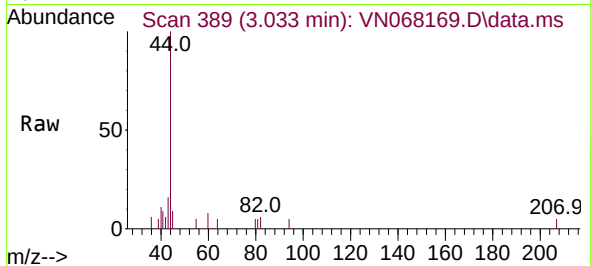




#6
Chloroethane
Concen: Below Cal
RT: 3.033 min Scan# 389
Delta R.T. 0.027 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

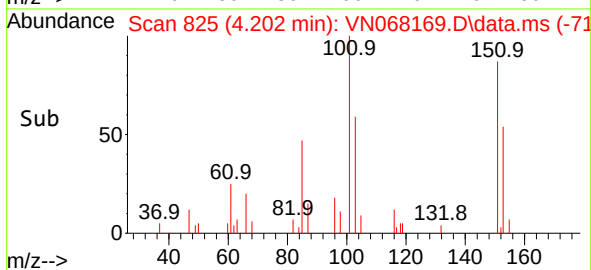
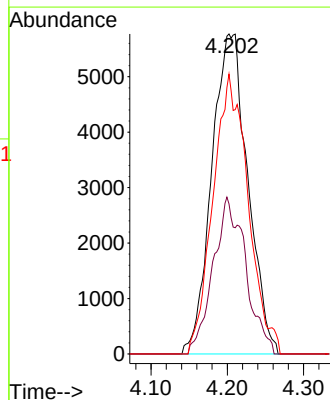
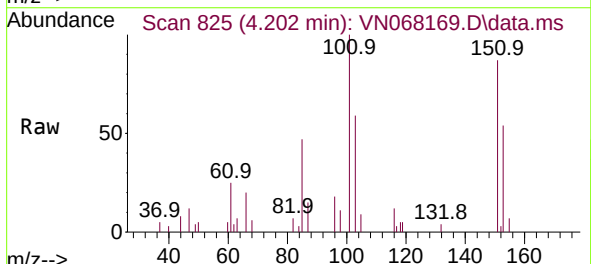
Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

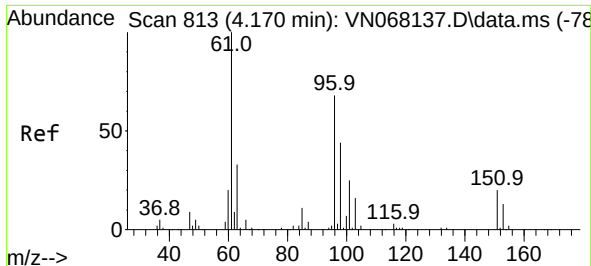
Tgt Ion: 64 Resp: 54
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.438 ug/l
RT: 4.202 min Scan# 825
Delta R.T. 0.002 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Tgt Ion: 101 Resp: 18960
Ion Ratio Lower Upper
101 100
85 28.4 39.6 59.4#
151 84.9 54.1 81.1#

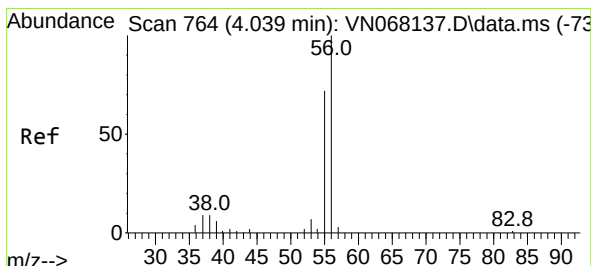
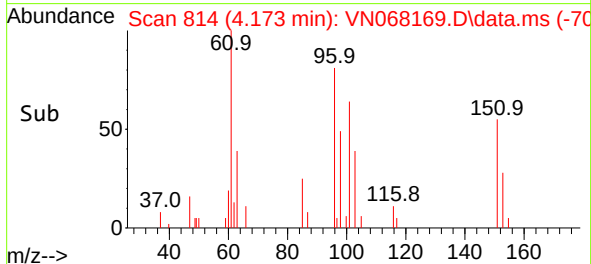
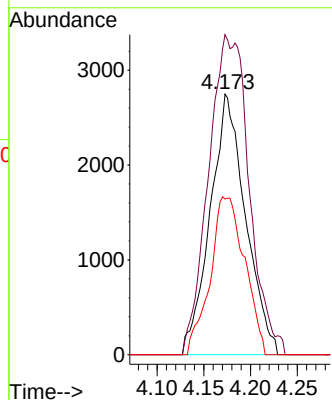
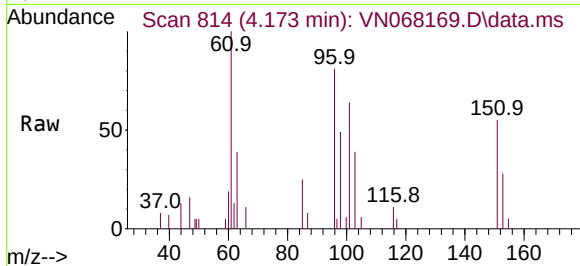




#12
1,1-Dichloroethene
Concen: 2.163 ug/l
RT: 4.173 min Scan# 814
Delta R.T. 0.003 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

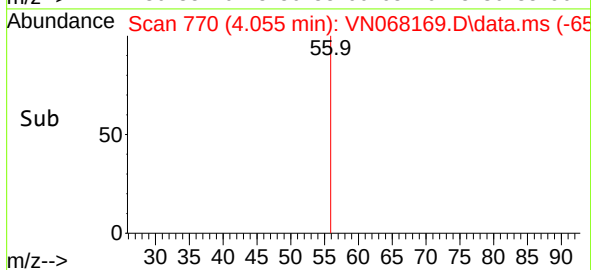
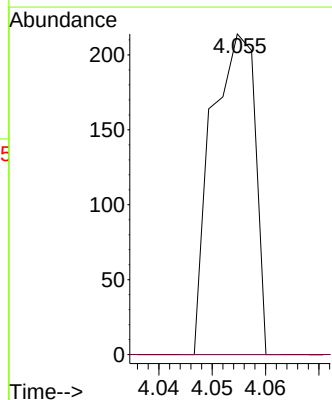
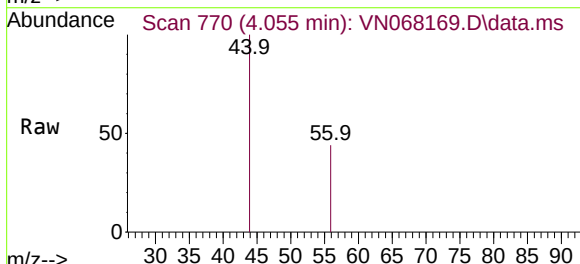
Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

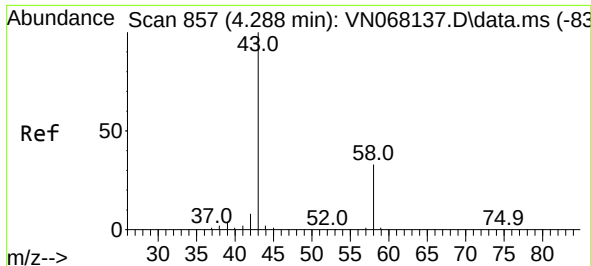
Tgt Ion: 96 Resp: 7252
Ion Ratio Lower Upper
96 100
61 122.8 152.6 229.0#
98 59.8 50.9 76.3



#13
Acrolein
Concen: Below Cal
RT: 4.055 min Scan# 770
Delta R.T. 0.016 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

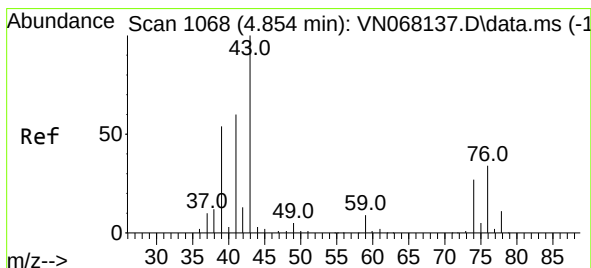
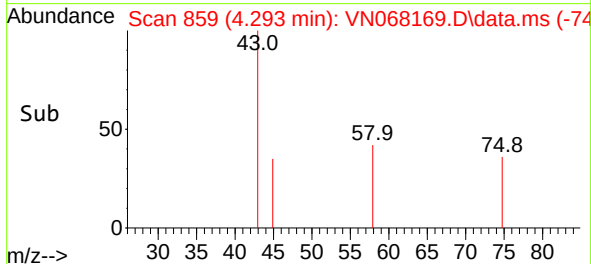
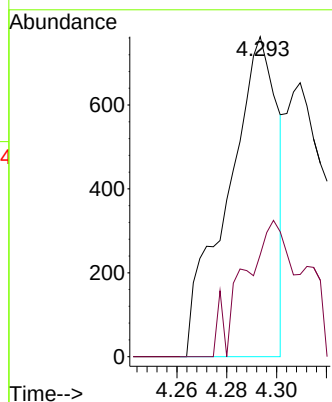
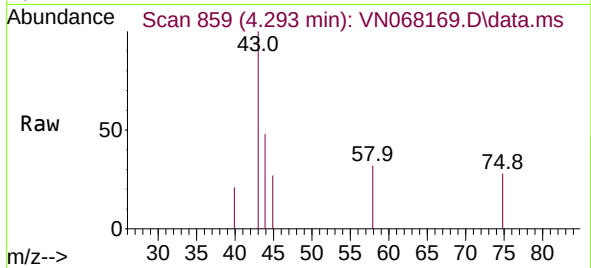




#16
Acetone
Concen: 0.815 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

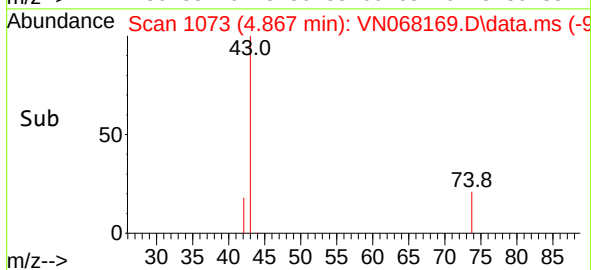
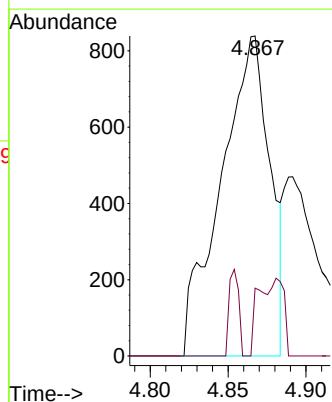
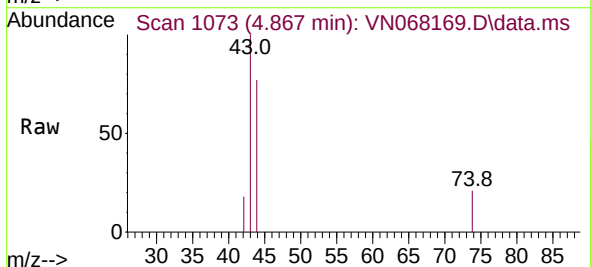
Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

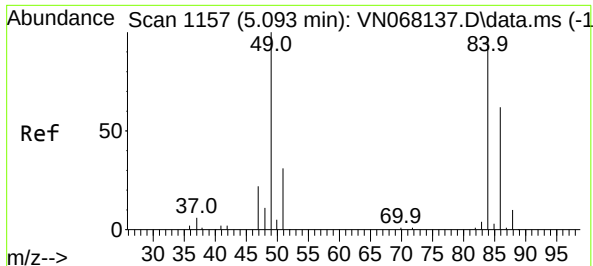
Tgt Ion: 43 Resp: 1051
Ion Ratio Lower Upper
43 100
58 31.8 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Tgt Ion: 43 Resp: 1826
Ion Ratio Lower Upper
43 100
74 6.0 17.4 26.0#

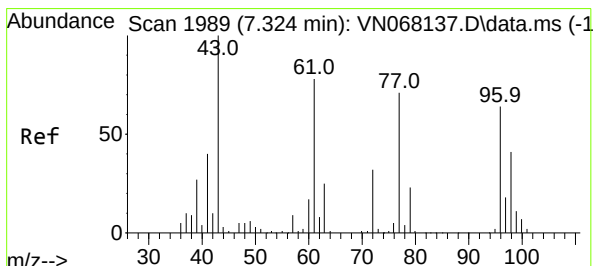
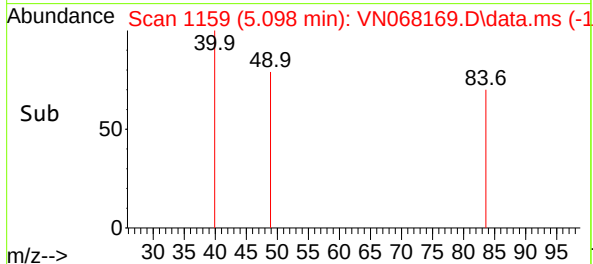
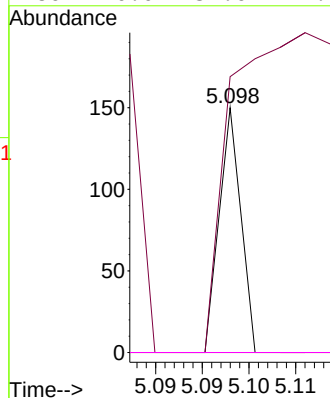
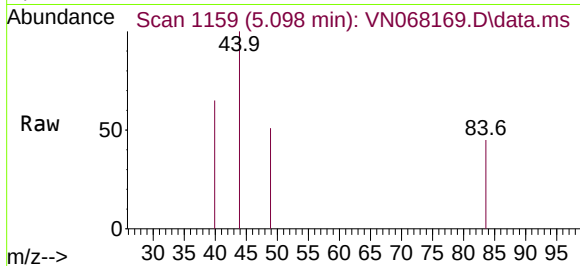




#20
Methylene Chloride
Concen: Below Cal
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

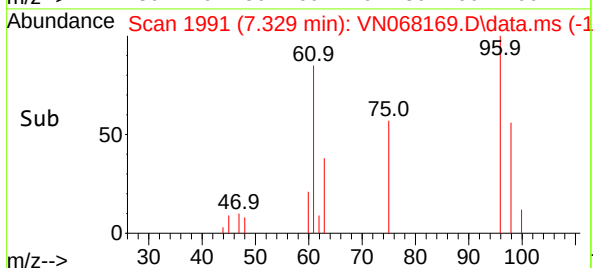
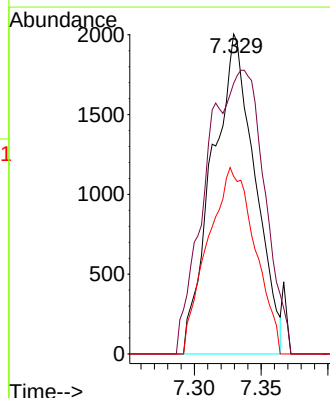
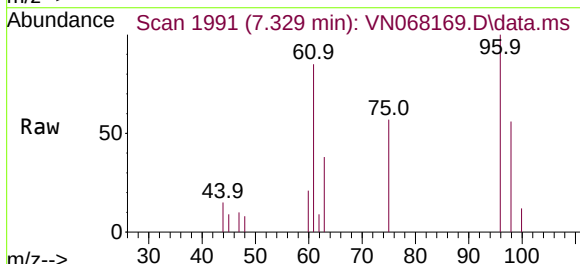
Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

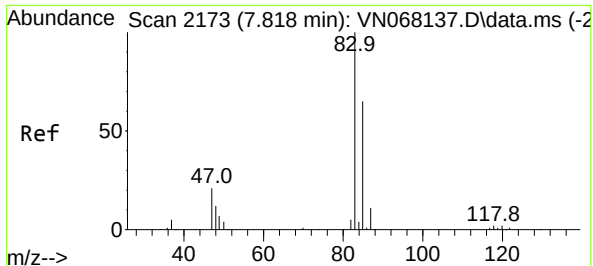
Tgt Ion:	84	Resp:	24
Ion	Ratio	Lower	Upper
84	100		
49	112.7	110.9	166.3
51	0.0	32.6	49.0#
86	0.0	51.6	77.4#



#27
cis-1,2-Dichloroethene
Concen: 0.994 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. 0.005 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Tgt Ion:	96	Resp:	4465
Ion	Ratio	Lower	Upper
96	100		
61	43.8	0.0	338.8
98	64.3	0.0	129.8





#30

Chloroform

Concen: 1.207 ug/l

RT: 7.815 min Scan# 2172

Delta R.T. -0.003 min

Lab File: VN068169.D

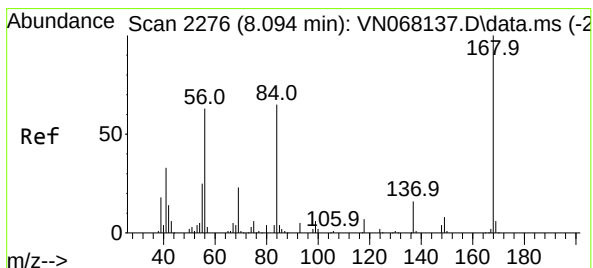
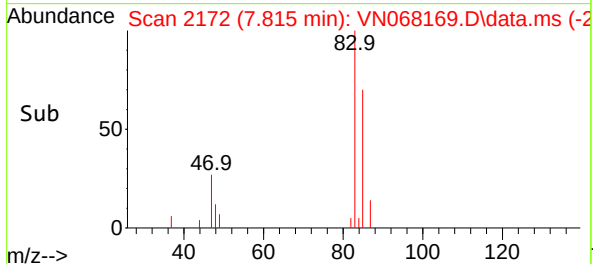
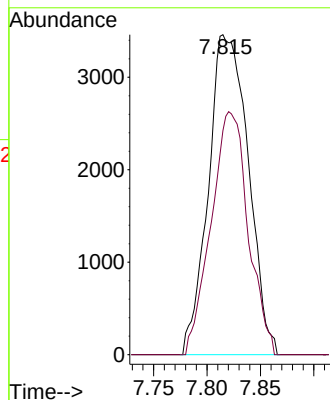
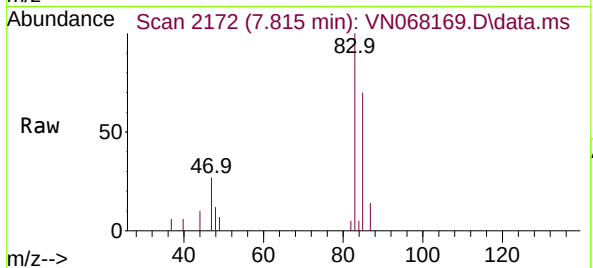
Acq: 18 Aug 2021 3:06

Tgt Ion: 83 Resp: 8993

Ion Ratio Lower Upper

83 100

85 70.0 51.5 77.3



#31

Cyclohexane

Concen: 1.280 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN068169.D

Acq: 18 Aug 2021 3:06

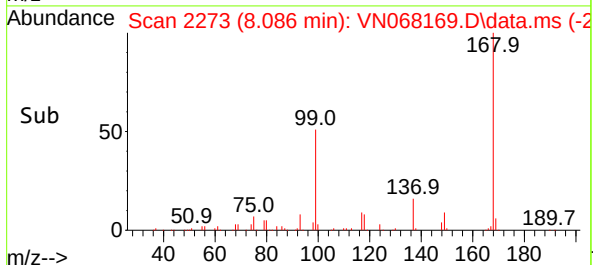
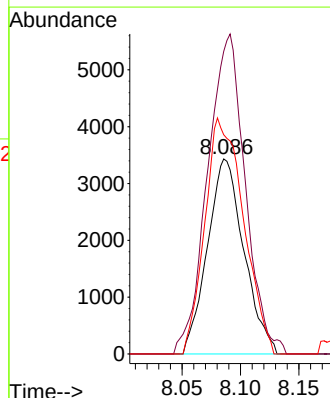
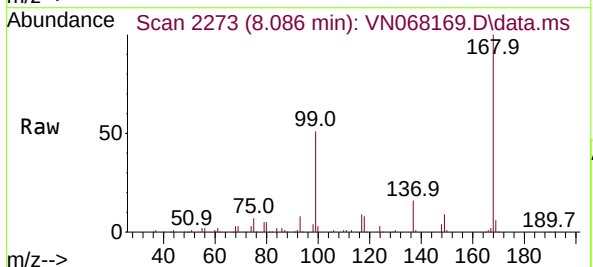
Tgt Ion: 56 Resp: 7445

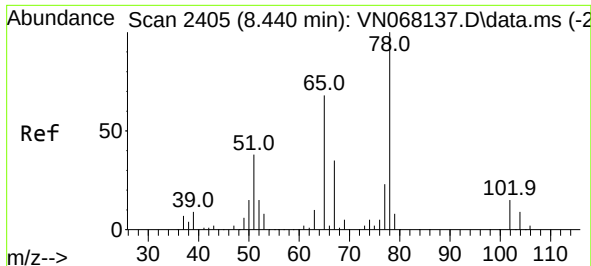
Ion Ratio Lower Upper

56 100

69 148.5 27.3 40.9#

84 112.4 64.9 97.3#

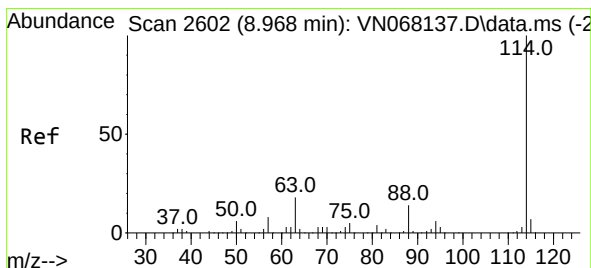
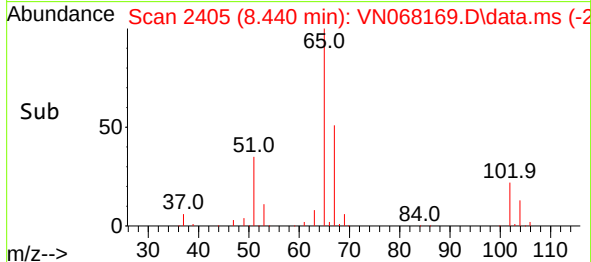
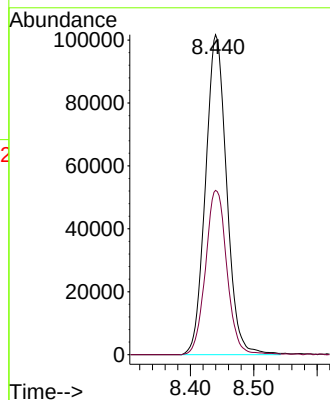
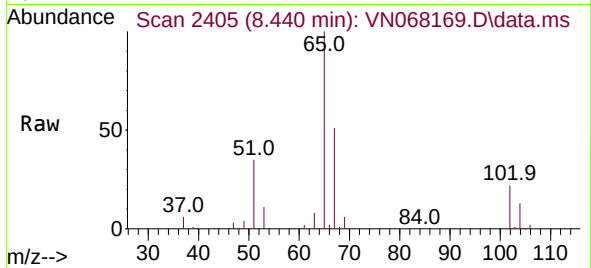




#33
 1,2-Dichloroethane-d4
 Concen: 53.407 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068169.D
 Acq: 18 Aug 2021 3:06

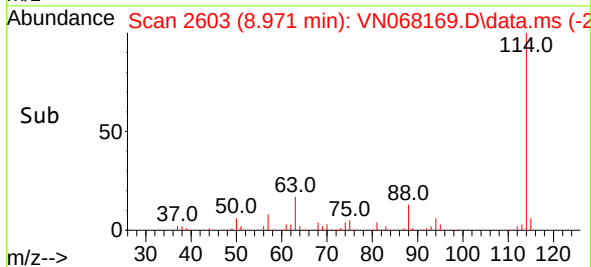
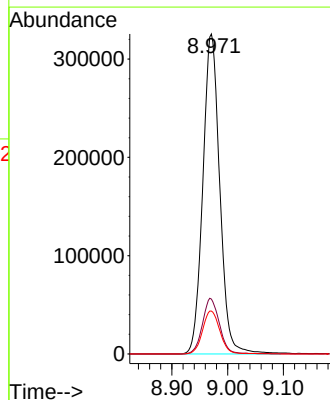
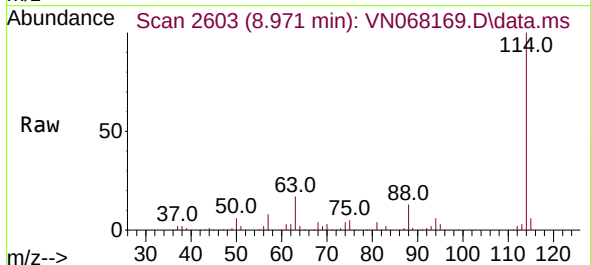
Instrument :
 MSVOA_N
 ClientSampleId :
 RW6B-GW-20210816

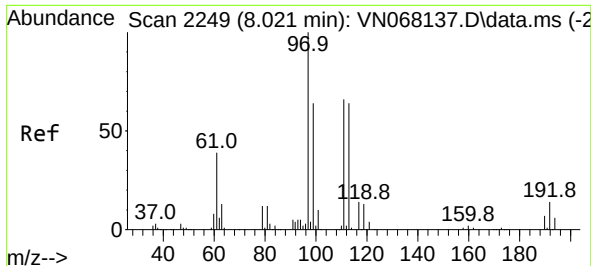
Tgt Ion: 65 Resp: 235801
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068169.D
 Acq: 18 Aug 2021 3:06

Tgt Ion: 114 Resp: 687560
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 49.0
 88 13.4 0.0 36.6

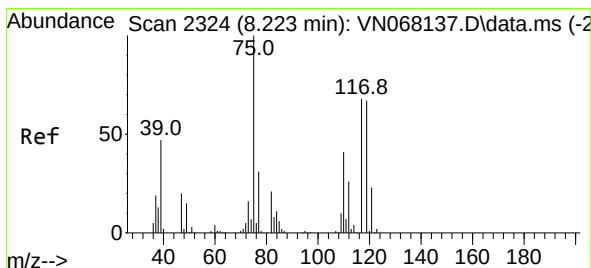
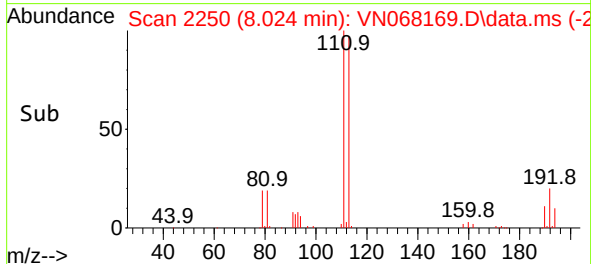
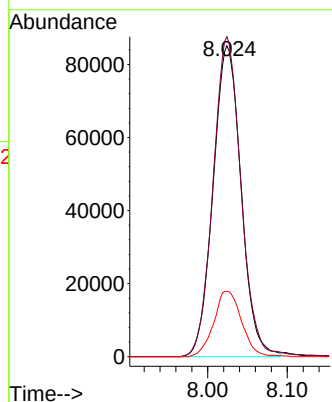
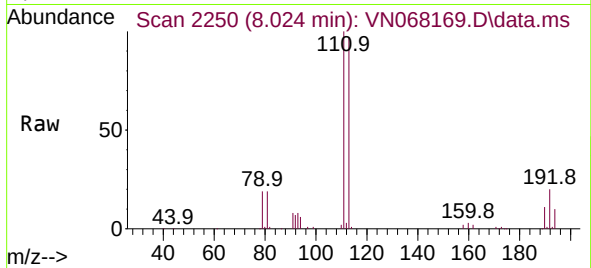




#35
Dibromofluoromethane
Concen: 48.179 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

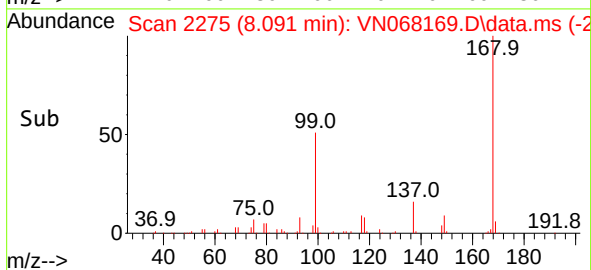
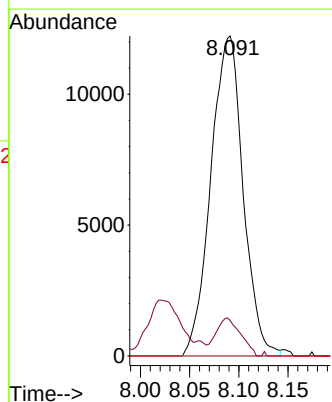
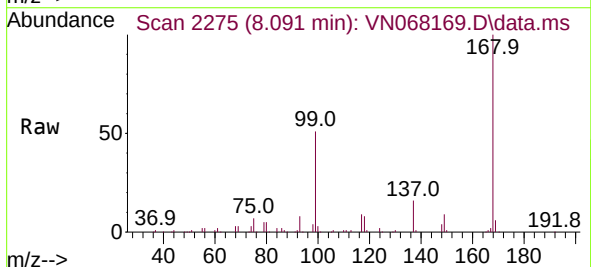
Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

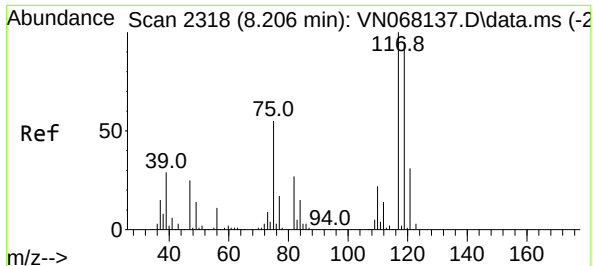
Tgt Ion:113 Resp: 207973
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.8
192 21.0 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.969 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.132 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Tgt Ion: 75 Resp: 27931
Ion Ratio Lower Upper
75 100
110 9.1 15.7 47.0#
77 0.0 24.6 37.0#

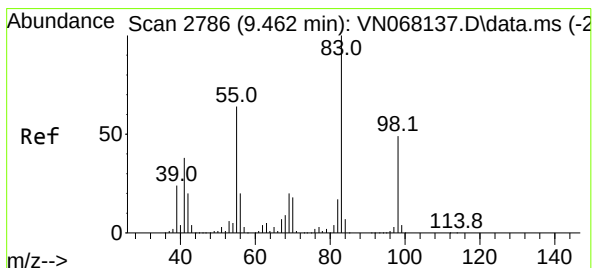
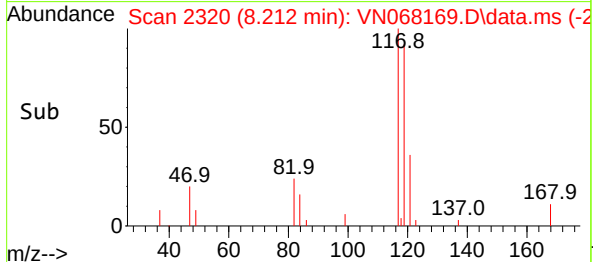
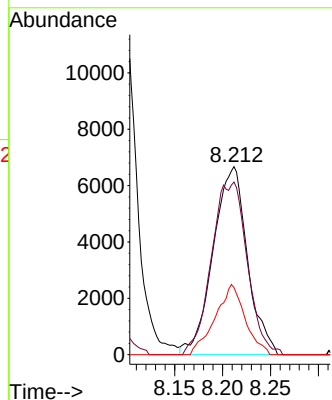
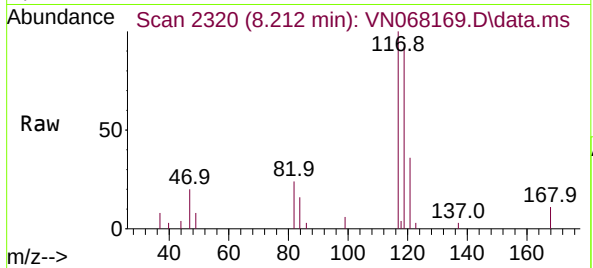




#38
Carbon Tetrachloride
Concen: 2.558 ug/l
RT: 8.212 min Scan# 2320
Delta R.T. 0.006 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

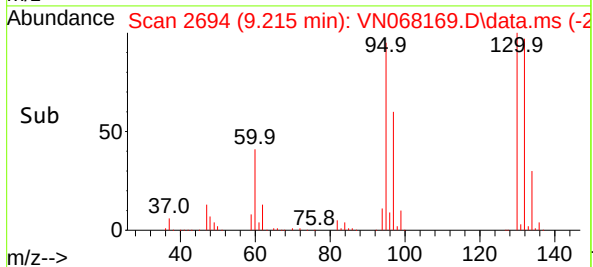
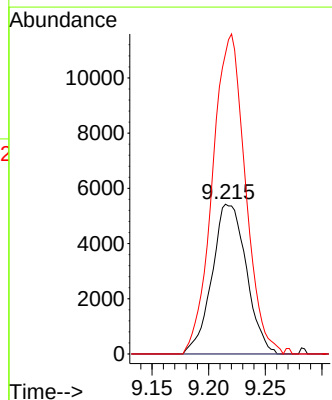
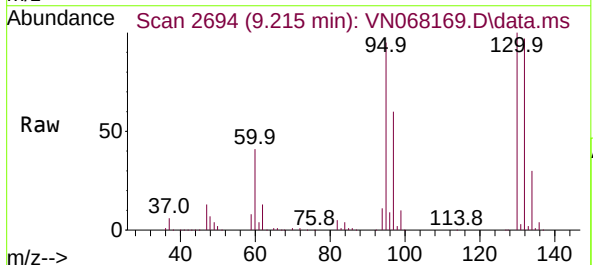
Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

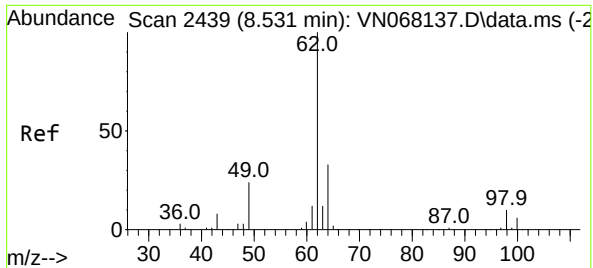
Tgt Ion:117 Resp: 16580
Ion Ratio Lower Upper
117 100
119 91.8 75.4 113.2
121 35.8 23.5 35.3#



#39
Methylcyclohexane
Concen: 1.797 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.247 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Tgt Ion: 83 Resp: 11409
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 200.5 35.3 52.9#





#42

1,2-Dichloroethane

Concen: 0.212 ug/l

RT: 8.528 min Scan# 2438

Delta R.T. -0.003 min

Lab File: VN068169.D

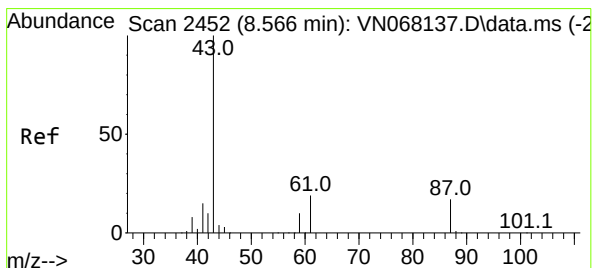
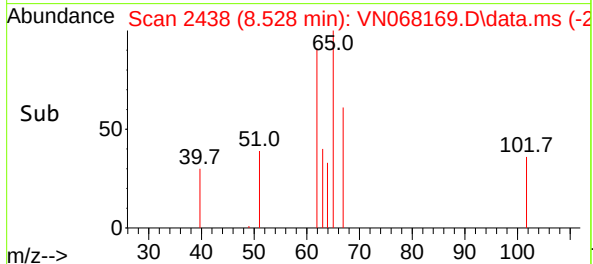
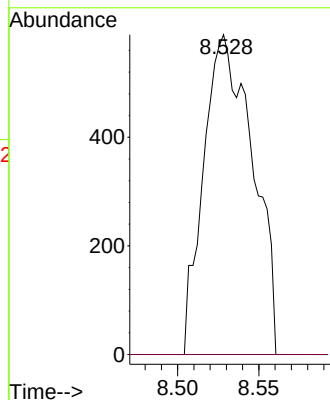
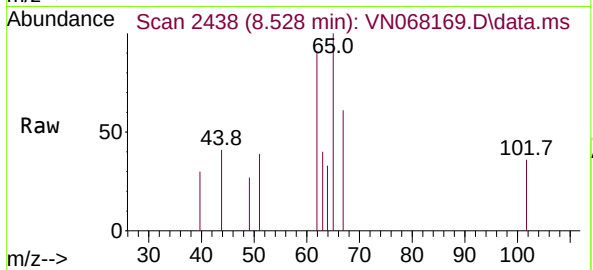
Acq: 18 Aug 2021 3:06

Tgt Ion: 62 Resp: 1236

Ion Ratio Lower Upper

62 100

98 0.0 0.0 14.2



#43

Isopropyl Acetate

Concen: 0.279 ug/l

RT: 8.625 min Scan# 2474

Delta R.T. 0.059 min

Lab File: VN068169.D

Acq: 18 Aug 2021 3:06

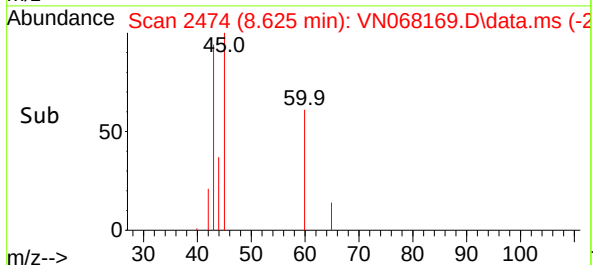
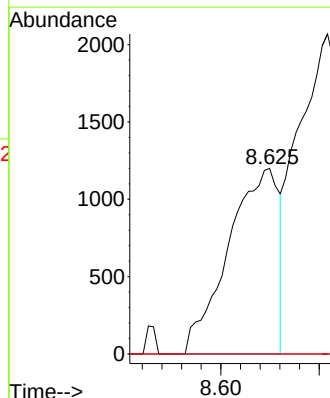
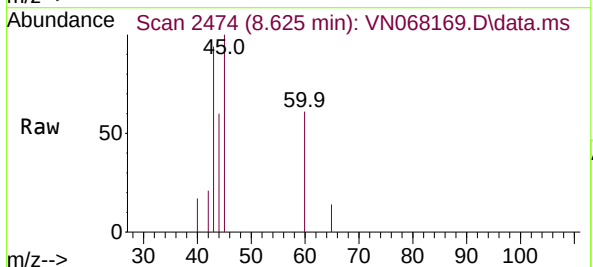
Tgt Ion: 43 Resp: 2143

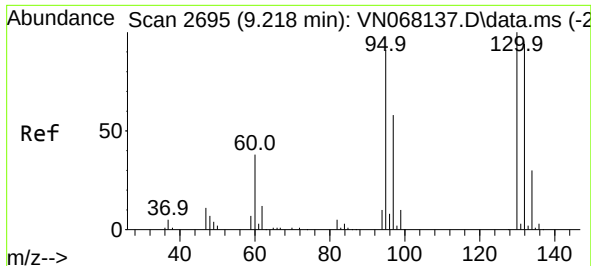
Ion Ratio Lower Upper

43 100

61 0.0 19.0 28.4#

87 0.0 9.5 14.3#

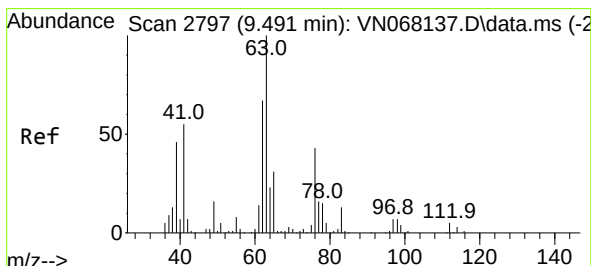
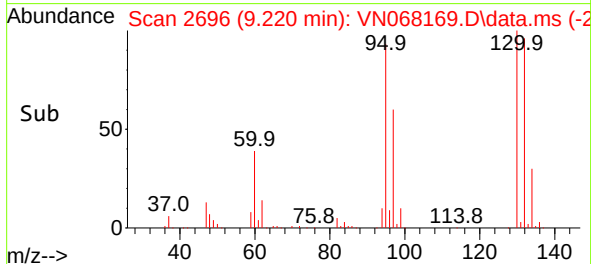
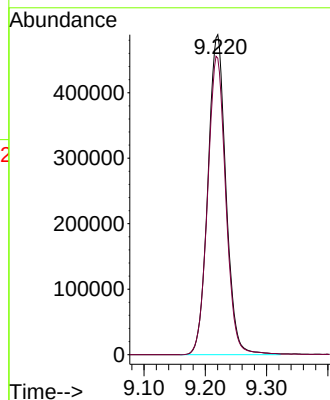
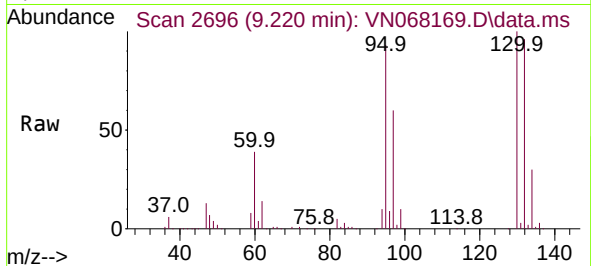




#44
Trichloroethene
Concen: 193.345 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.002 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

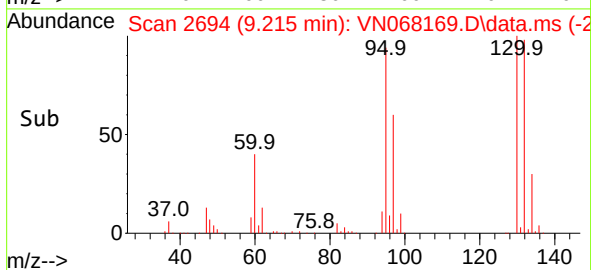
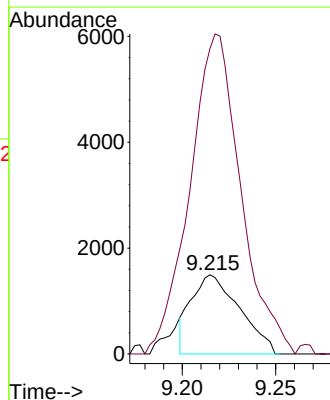
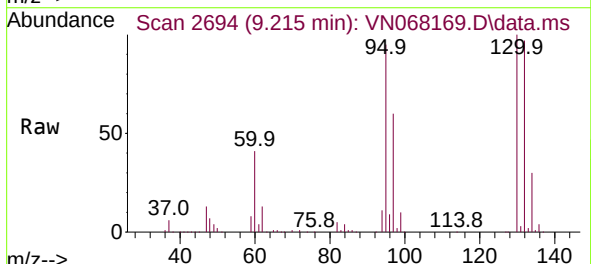
Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

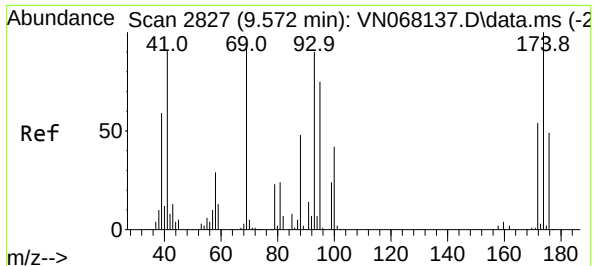
Tgt Ion:130 Resp: 997422
Ion Ratio Lower Upper
130 100
95 92.7 0.0 234.4



#45
1,2-Dichloropropane
Concen: 0.668 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.276 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

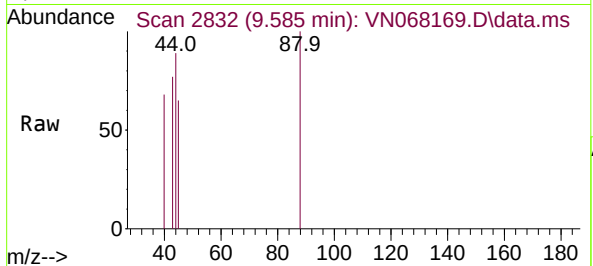
Tgt Ion: 63 Resp: 2694
Ion Ratio Lower Upper
63 100
65 352.9 24.3 36.5#



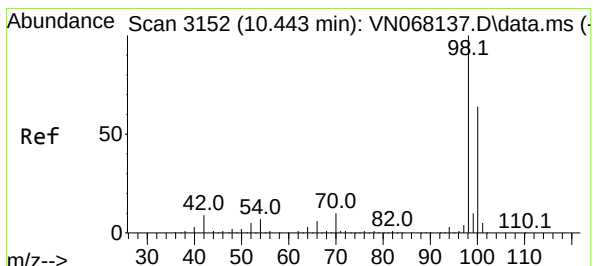
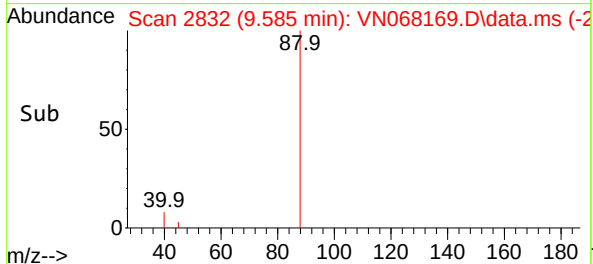
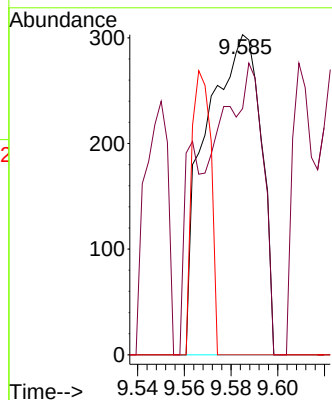


#49
1,4-Dioxane
Concen: 6.459 ug/l
RT: 9.585 min Scan# 2832
Delta R.T. 0.013 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

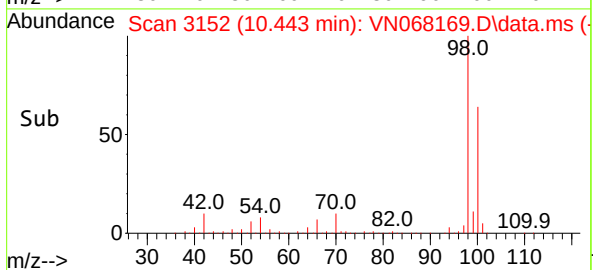
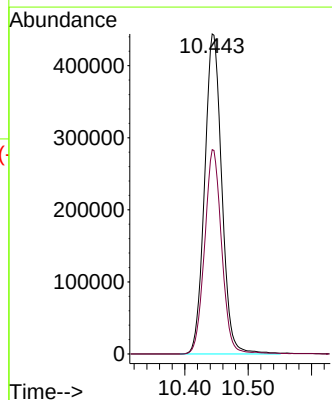
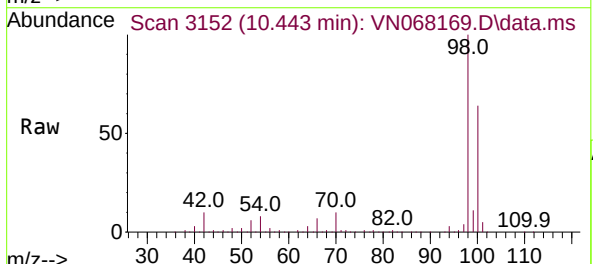


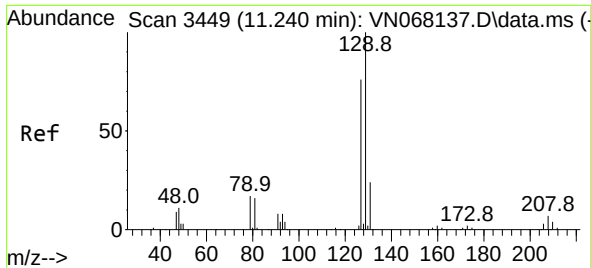
Tgt Ion: 88 Resp: 499
Ion Ratio Lower Upper
88 100
43 71.7 28.8 43.2#
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 50.791 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Tgt Ion: 98 Resp: 835420
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5

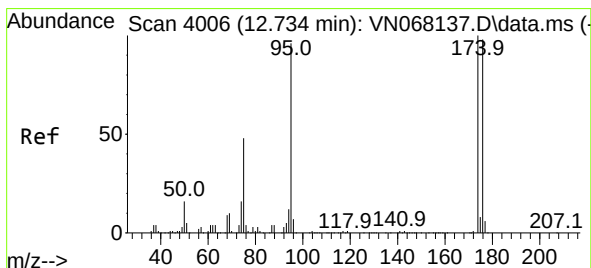
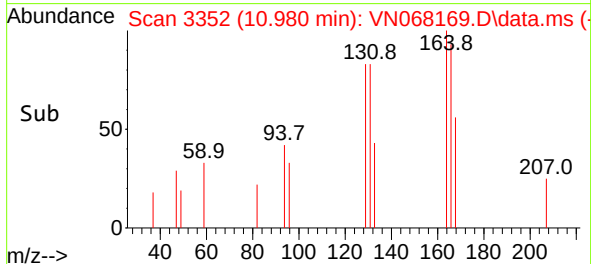
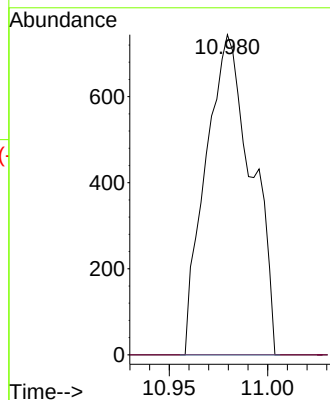
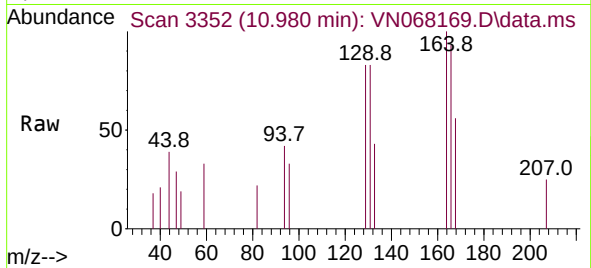




#60
Dibromochloromethane
Concen: 0.229 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.260 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

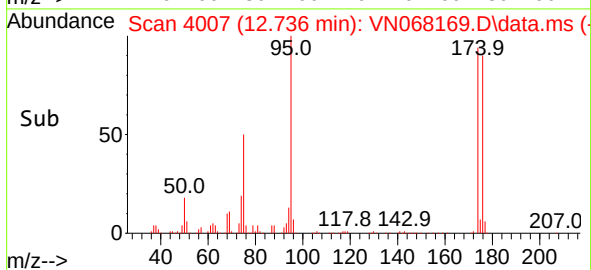
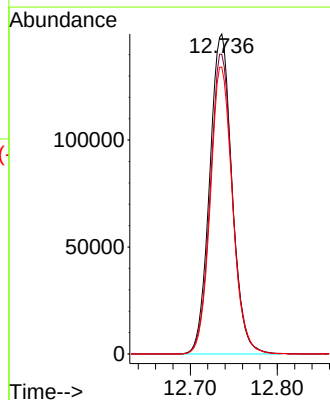
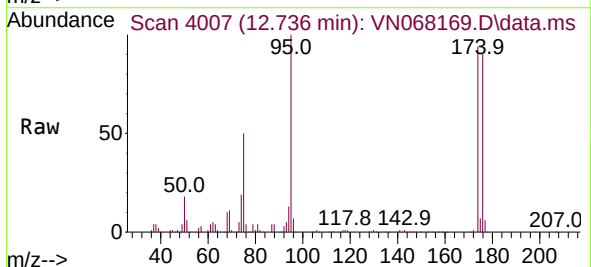
Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

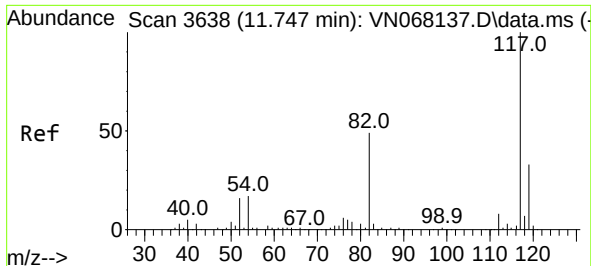
Tgt Ion:129 Resp: 1206
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 48.911 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Tgt Ion: 95 Resp: 267809
Ion Ratio Lower Upper
95 100
174 93.3 0.0 122.0
176 88.8 0.0 117.6

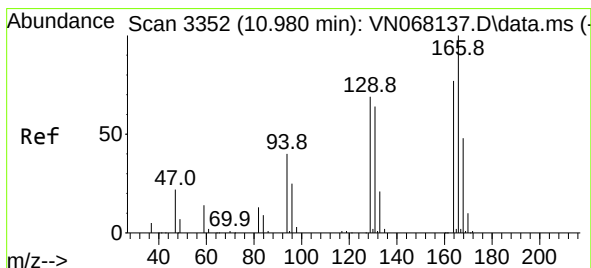
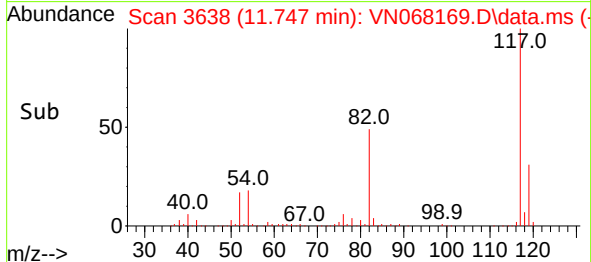
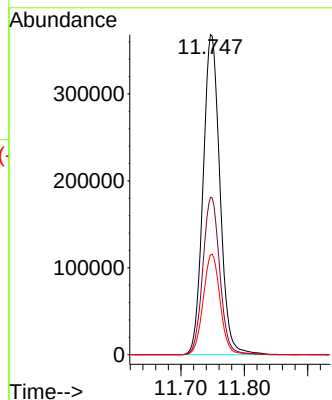
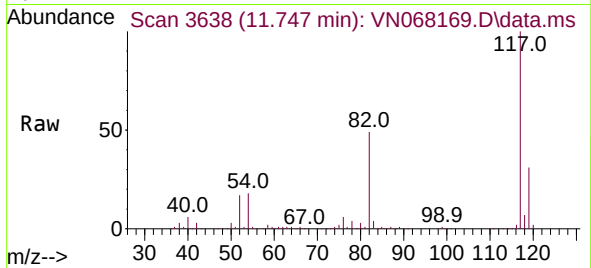




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

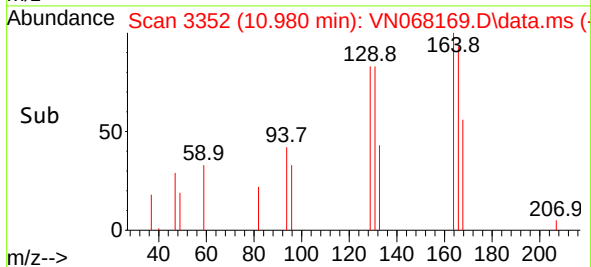
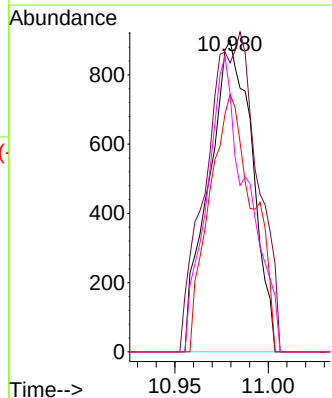
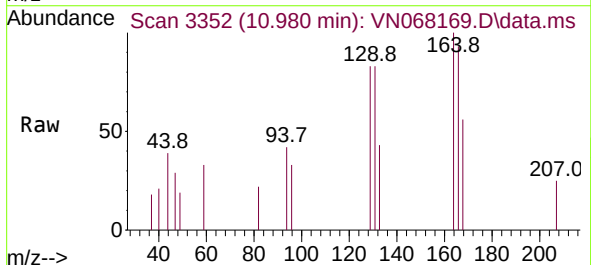
Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

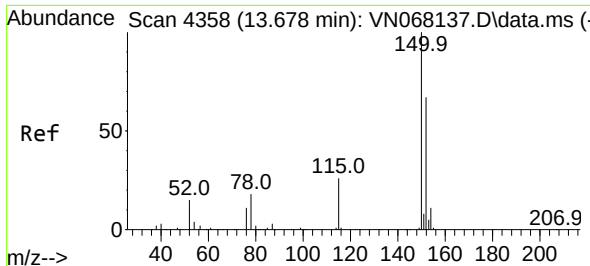
Tgt Ion:117 Resp: 680354
Ion Ratio Lower Upper
117 100
82 49.1 53.1 79.7#
119 31.2 25.5 38.3



#64
Tetrachloroethene
Concen: 0.277 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.000 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Tgt Ion:164 Resp: 1455
Ion Ratio Lower Upper
164 100
166 92.8 102.1 153.1#
129 82.7 86.9 130.3#
131 82.8 83.6 125.4#

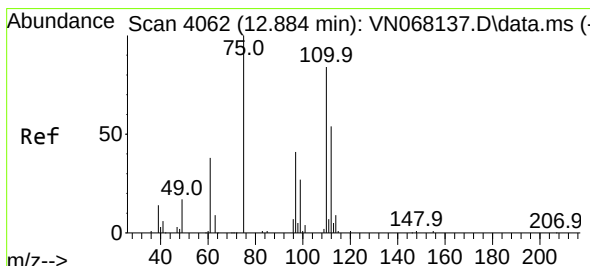
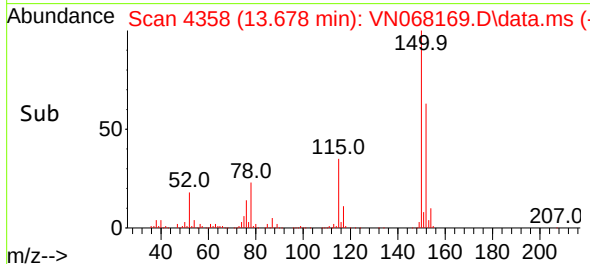
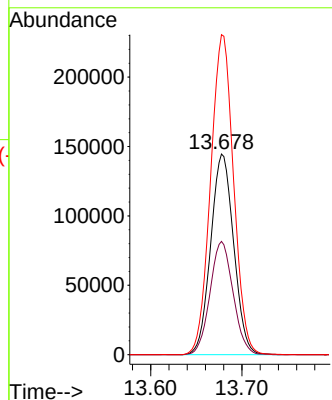
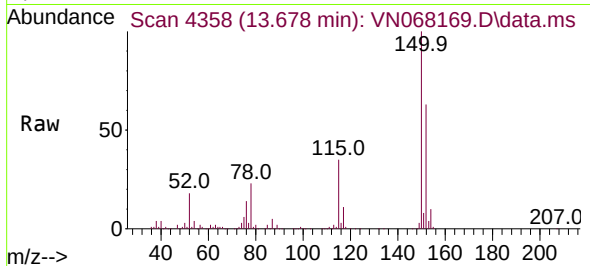




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. -0.000 min
 Lab File: VN068169.D
 Acq: 18 Aug 2021 3:06

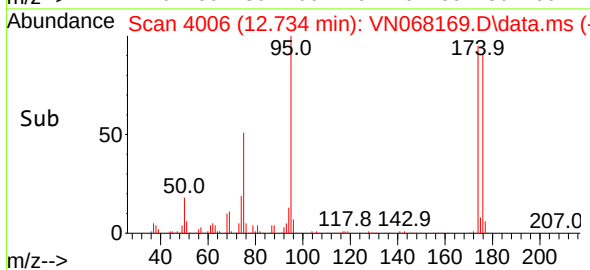
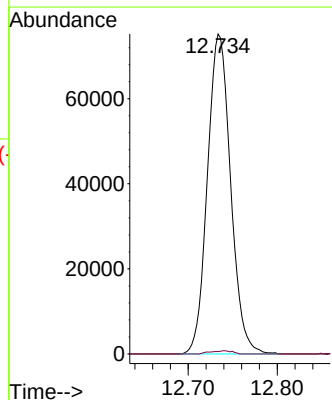
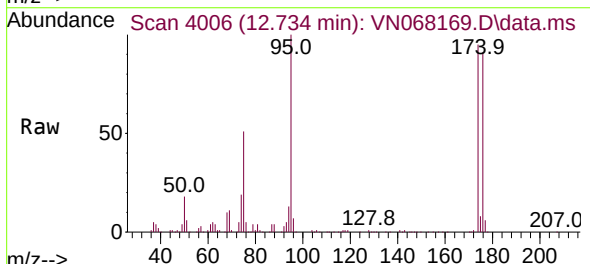
Instrument :
 MSVOA_N
 ClientSampleId :
 RW6B-GW-20210816

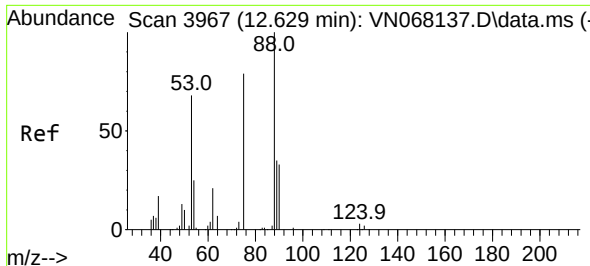
Tgt Ion:152 Resp: 253489
 Ion Ratio Lower Upper
 152 100
 115 56.6 36.1 108.5
 150 159.3 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 32.288 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.150 min
 Lab File: VN068169.D
 Acq: 18 Aug 2021 3:06

Tgt Ion: 75 Resp: 136038
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#

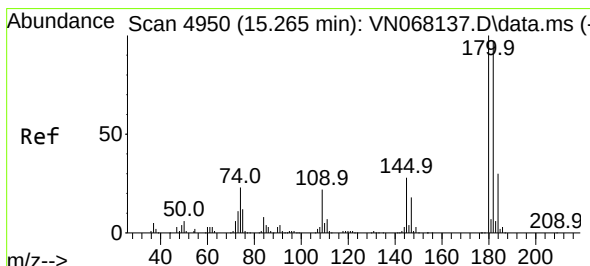
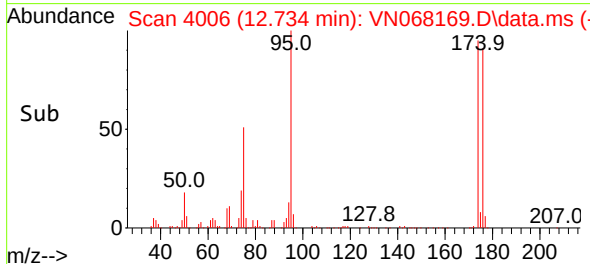
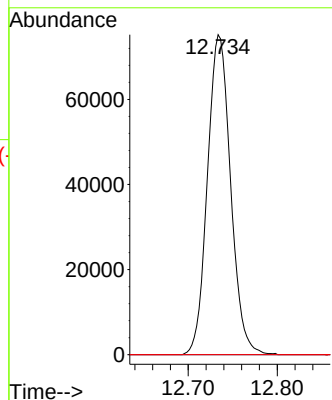
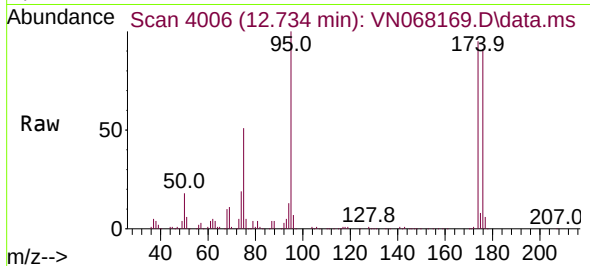




#81
trans-1,4-Dichloro-2-butene
Concen: 105.781 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

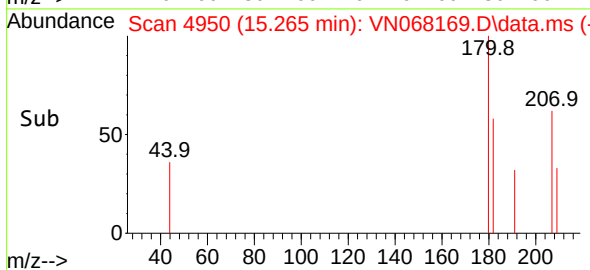
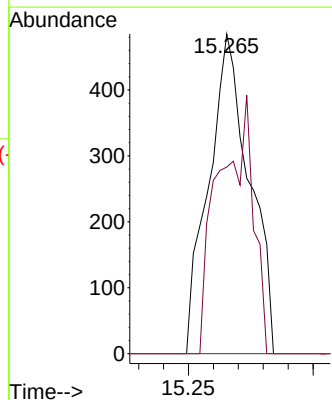
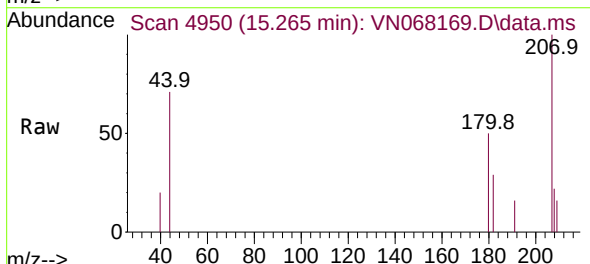
Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

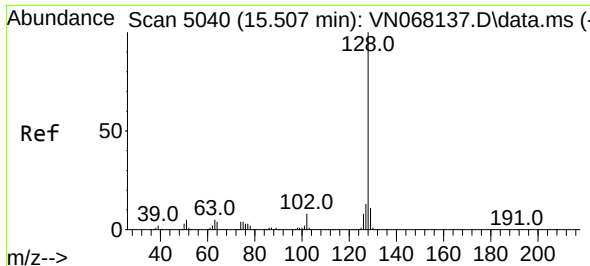
Tgt Ion: 75 Resp: 136038
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.808 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Tgt Ion:180 Resp: 551
Ion Ratio Lower Upper
180 100
182 67.5 47.5 142.5
145 0.0 17.2 51.6#

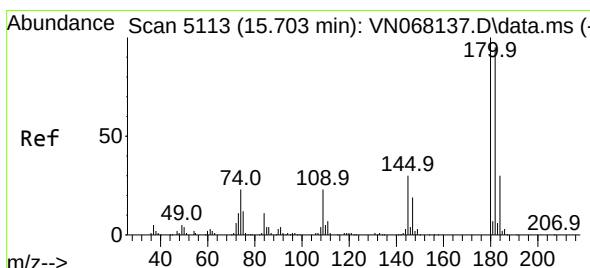
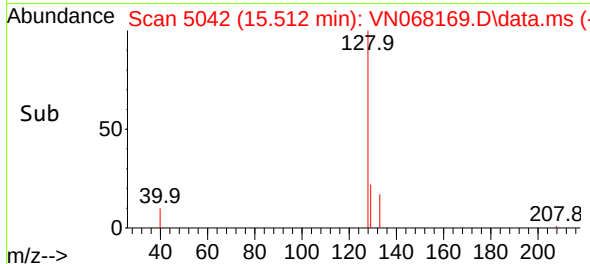
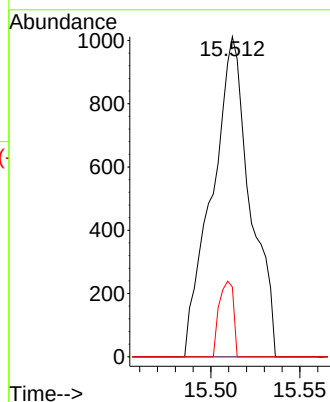
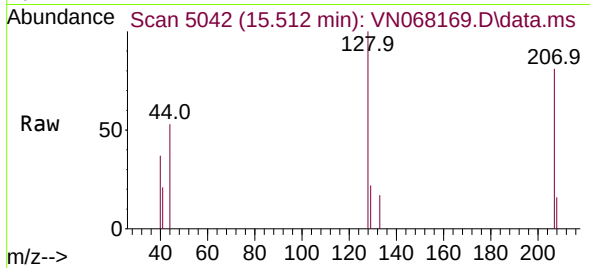




#95
Naphthalene
Concen: 3.486 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Instrument :
MSVOA_N
ClientSampleId :
RW6B-GW-20210816

Tgt Ion:128 Resp: 1506
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 8.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.891 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.003 min
Lab File: VN068169.D
Acq: 18 Aug 2021 3:06

Tgt Ion:180 Resp: 254
Ion Ratio Lower Upper
180 100
182 188.6 47.8 143.3#
145 30.7 18.2 54.6

