

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100621\
 Data File : VN068829.D
 Acq On : 6 Oct 2021 19:56
 Operator : JC/MD
 Sample : M4088-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20211005-WATER

Quant Time: Oct 07 06:03:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 14:41:09 2021
 Response via : Initial Calibration

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

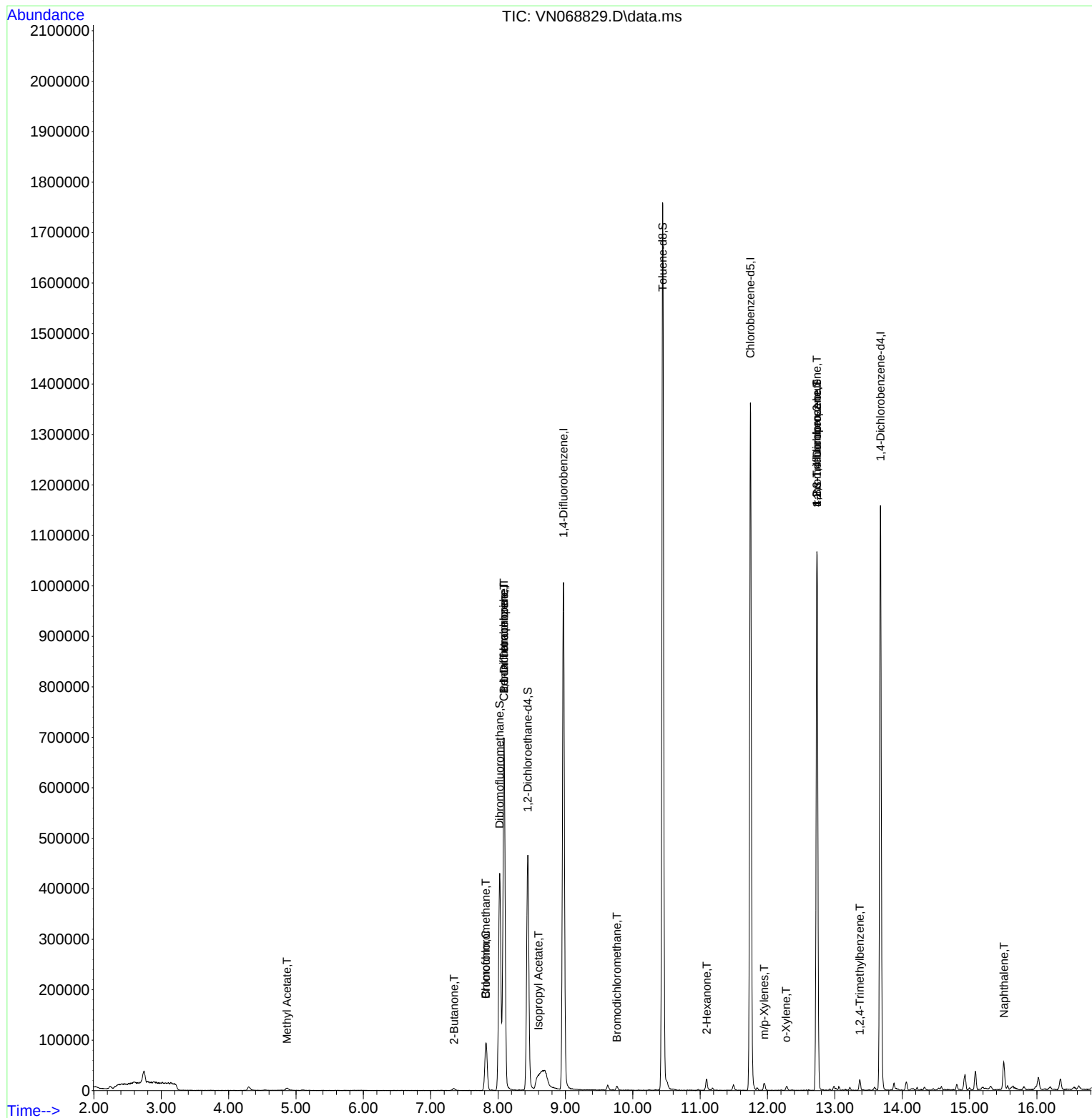
Internal Standards						
1) Pentafluorobenzene	8.088	168	491034	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	878298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	763626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	290799	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	388806	53.88	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.76%			
35) Dibromofluoromethane	8.024	113	301879	52.32	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.64%			
50) Toluene-d8	10.443	98	1206859	53.64	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.28%			
62) 4-Bromofluorobenzene	12.733	95	348600	41.86	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 83.72%			
Target Compounds						
3) Chloromethane	2.309	50	1468	Below Cal	#	86
4) Vinyl Chloride	2.445	62	53	Below Cal	#	87
6) Chloroethane	3.062	64	288	Below Cal	#	88
7) Trichlorofluoromethane	3.215	101	24	Below Cal	#	18
16) Acetone	4.296	43	12678	Below Cal		98
17) Carbon Disulfide	4.532	76	319	Below Cal	#	74
18) Methyl Acetate	4.867	43	9599	1.35	ug/l	# 84
20) Methylene Chloride	5.111	84	530	Below Cal	#	38
25) 2-Butanone	7.345	43	6587	2.00	ug/l	91
28) Bromochloromethane	7.817	49	8285	1.71	ug/l	# 22
30) Chloroform	7.817	83	90837	8.61	ug/l	92
31) Cyclohexane	8.086	56	13432	Below Cal	#	11
36) 1,1-Dichloropropene	8.088	75	42959	6.19	ug/l	# 53
38) Carbon Tetrachloride	8.086	117	53850	6.44	ug/l	# 17
43) Isopropyl Acetate	8.601	43	26819	2.23	ug/l	# 59
47) Bromodichloromethane	9.765	83	5605	0.64	ug/l	# 97
59) 2-Hexanone	11.097	43	4767	0.86	ug/l	# 42
68) m/p-Xylenes	11.953	106	4794	0.47	ug/l	79
69) o-Xylene	12.278	106	2179	0.22	ug/l	78
76) 1,2,3-Trichloropropane	12.733	75	204689	35.71	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	204689	103.44	ug/l	# 6
84) 1,2,4-Trimethylbenzene	13.372	105	12342	0.66	ug/l	97
95) Naphthalene	15.509	128	51215	4.44	ug/l	# 95
96) 1,2,3-Trichlorobenzene	15.708	180	315	Below Cal	#	12

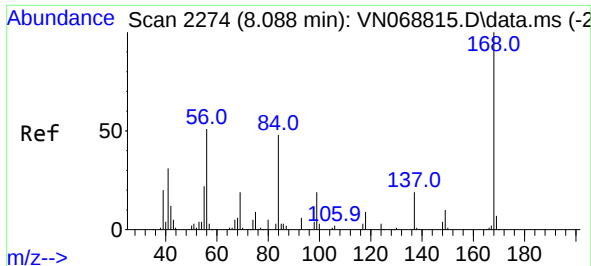
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

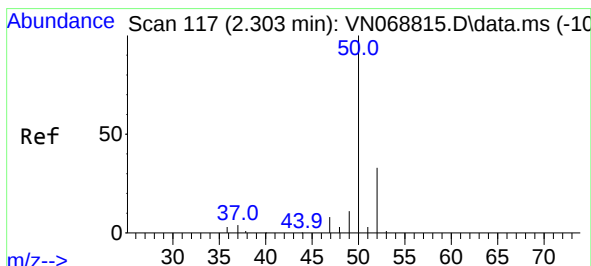
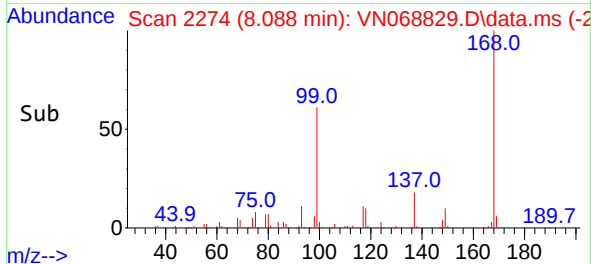
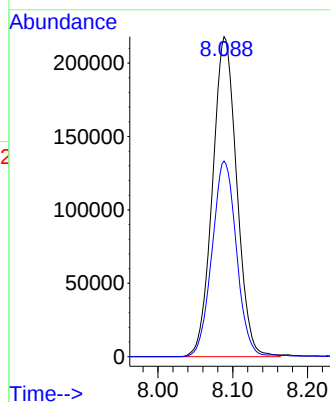
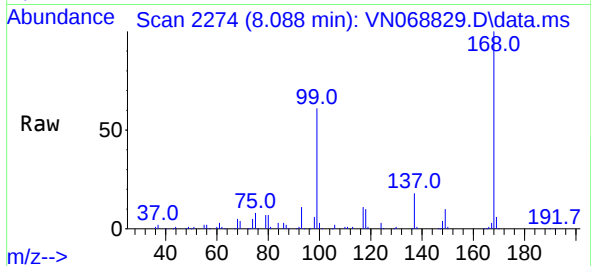




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

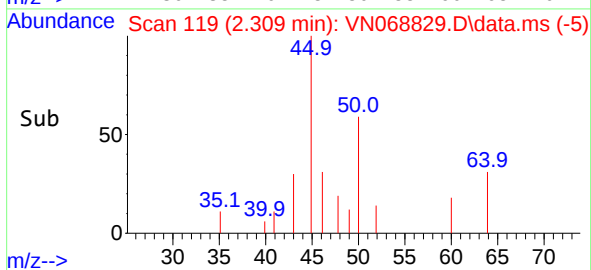
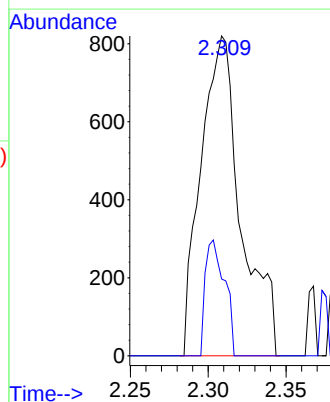
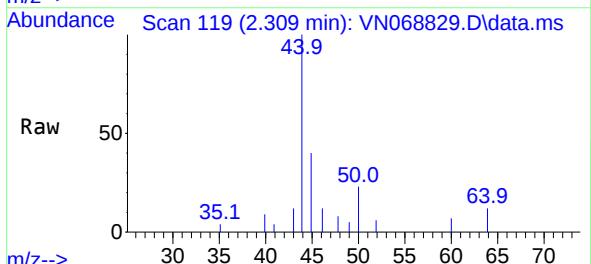
Instrument :
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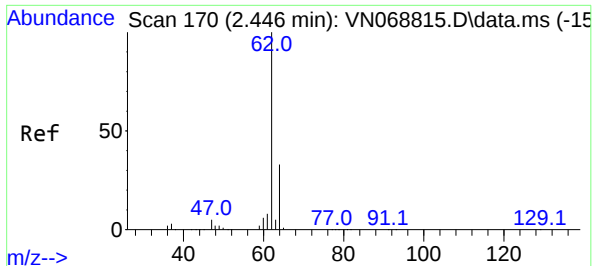
Tgt Ion:168 Resp: 491034
Ion Ratio Lower Upper
168 100
99 61.1 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Tgt Ion: 50 Resp: 1468
Ion Ratio Lower Upper
50 100
52 24.0 25.6 38.4#

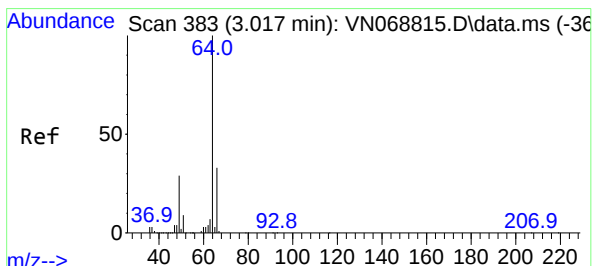
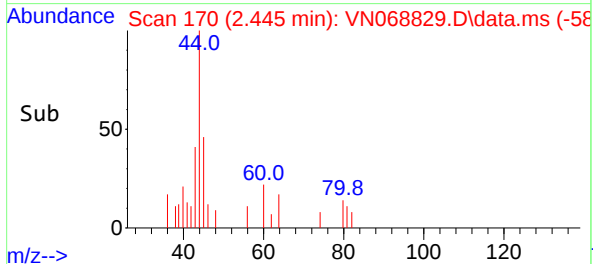
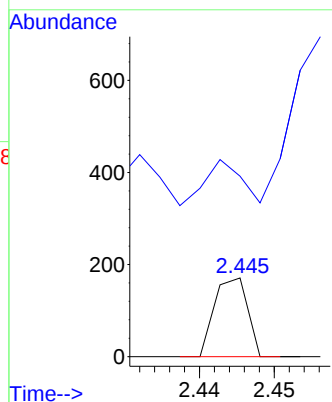
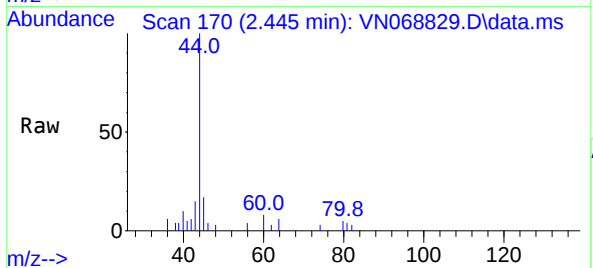




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.445 min Scan# 170
 Delta R.T. -0.001 min
 Lab File: VN068829.D
 Acq: 6 Oct 2021 19:56

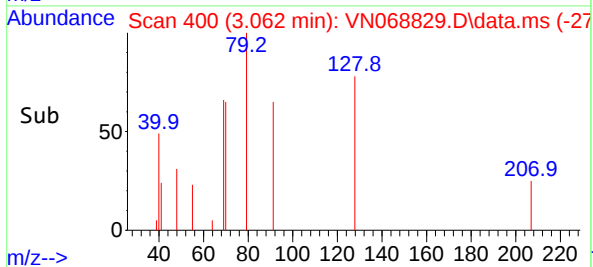
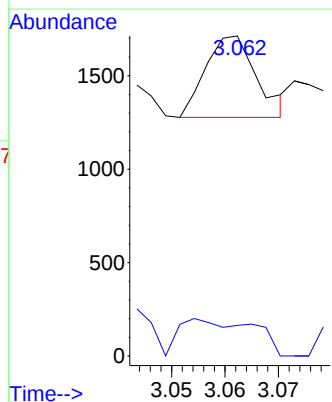
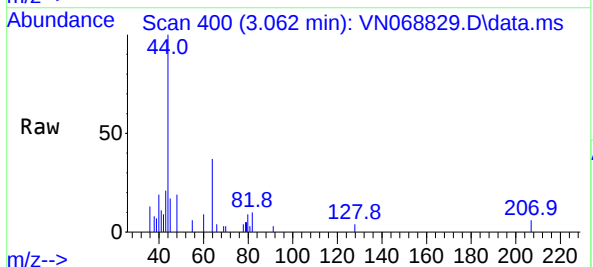
Instrument :
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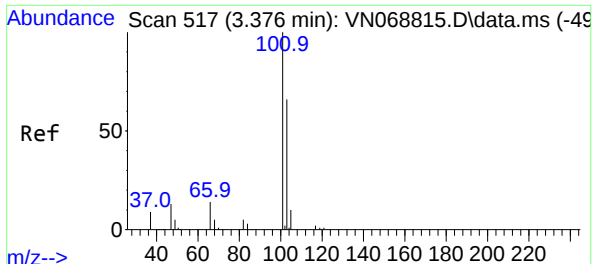
Tgt Ion: 62 Resp: 53
 Ion Ratio Lower Upper
 62 100
 64 37.4 24.4 36.6#



#6
 Chloroethane
 Concen: Below Cal
 RT: 3.062 min Scan# 400
 Delta R.T. 0.045 min
 Lab File: VN068829.D
 Acq: 6 Oct 2021 19:56

Tgt Ion: 64 Resp: 288
 Ion Ratio Lower Upper
 64 100
 66 37.6 24.7 37.1#

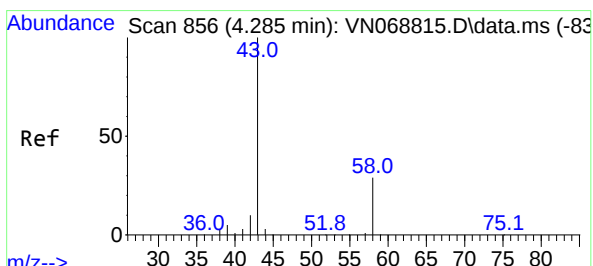
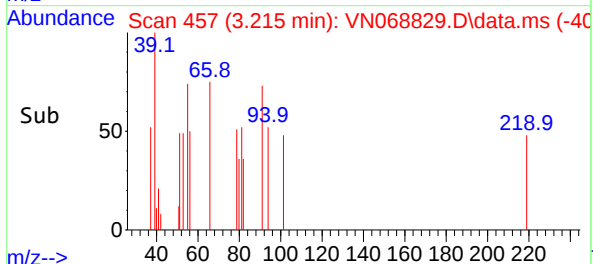
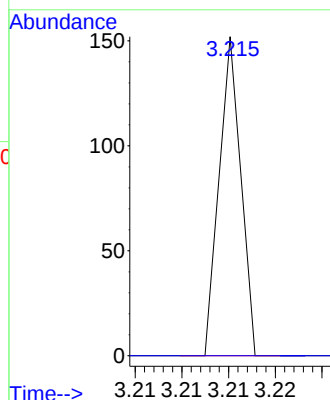
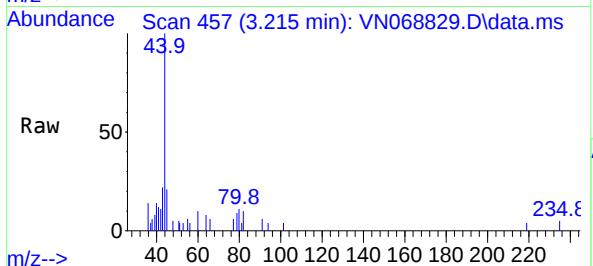




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.215 min Scan# 457
Delta R.T. -0.161 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

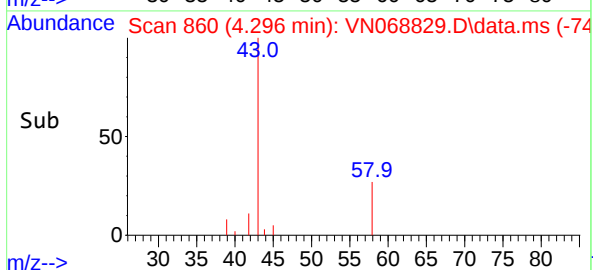
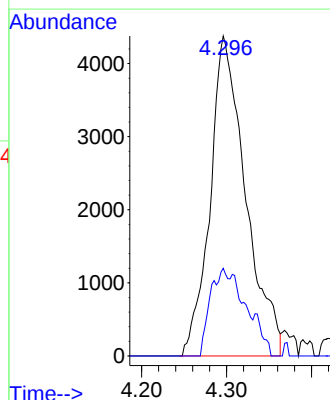
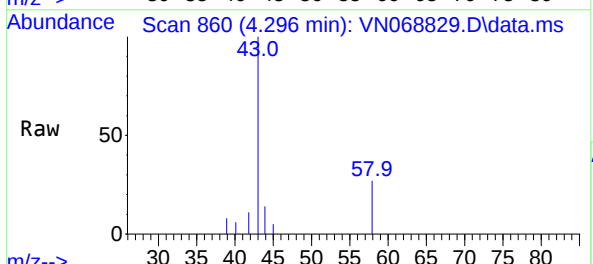
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-WATER

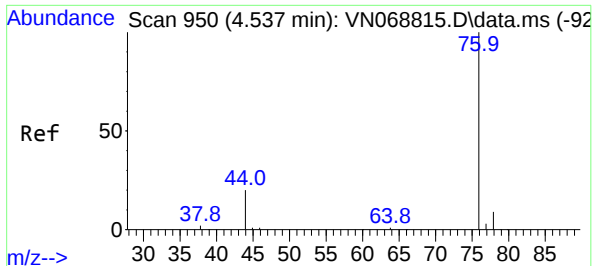
Tgt Ion:101 Resp: 24
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#



#16
Acetone
Concen: Below Cal
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Tgt Ion: 43 Resp: 12678
Ion Ratio Lower Upper
43 100
58 27.4 21.2 31.8

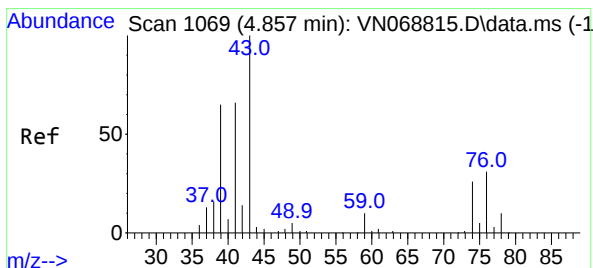
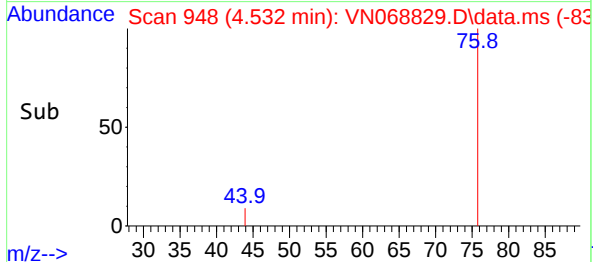
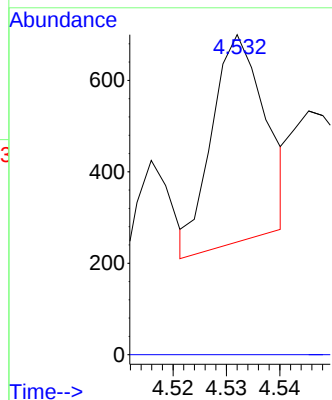
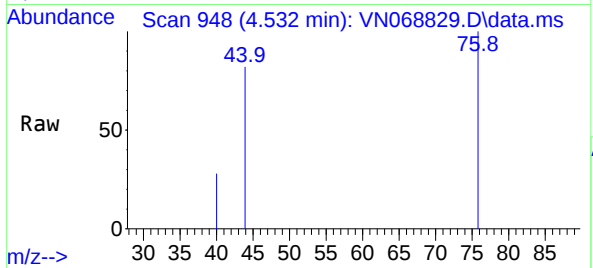




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.532 min Scan# 948
Delta R.T. -0.005 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

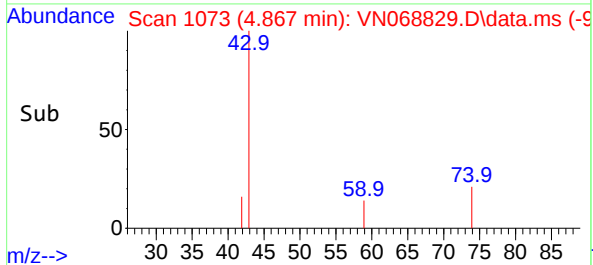
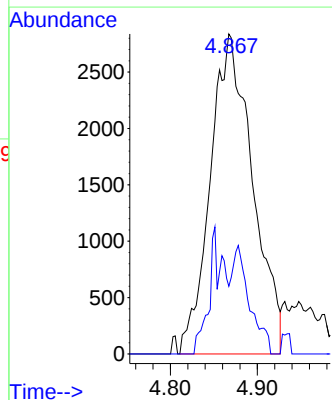
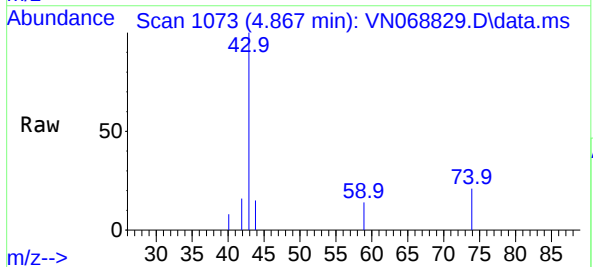
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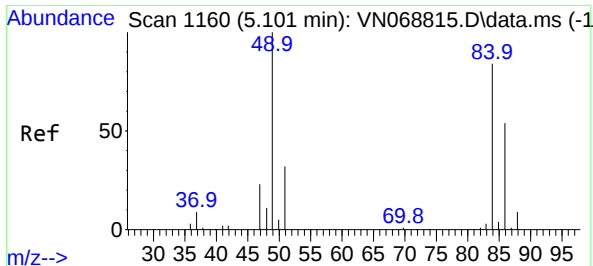
Tgt Ion: 76 Resp: 319
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 1.35 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Tgt Ion: 43 Resp: 9599
Ion Ratio Lower Upper
43 100
74 14.2 17.4 26.0#

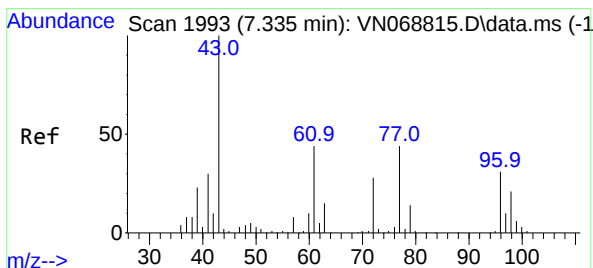
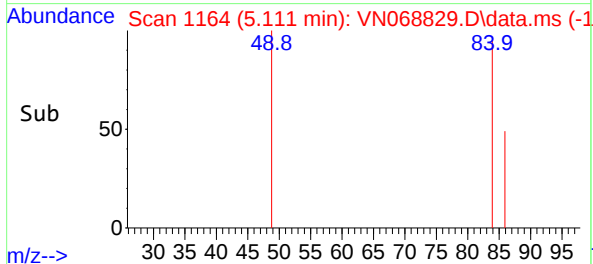
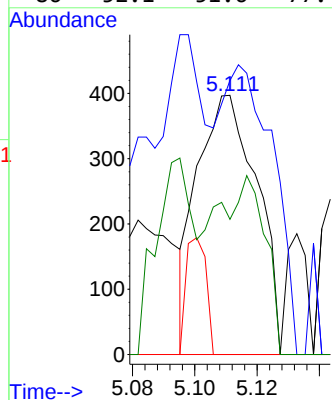
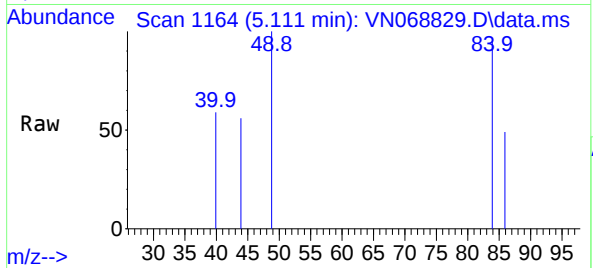




#20
Methylene Chloride
Concen: Below Cal
RT: 5.111 min Scan# 1164
Delta R.T. 0.010 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

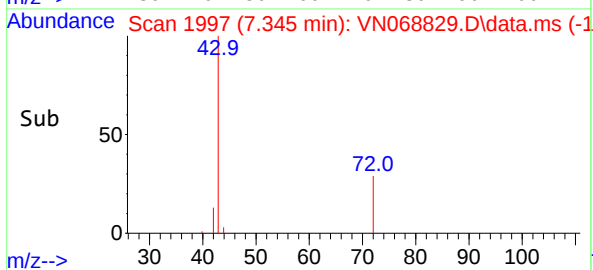
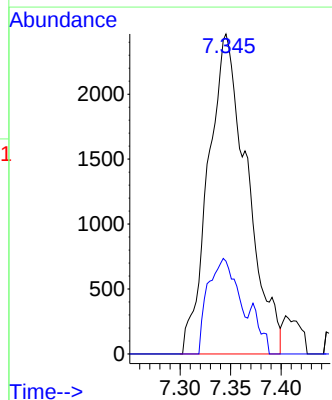
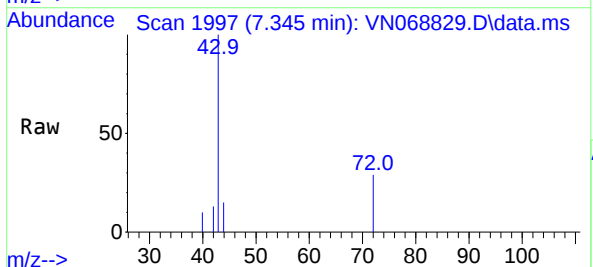
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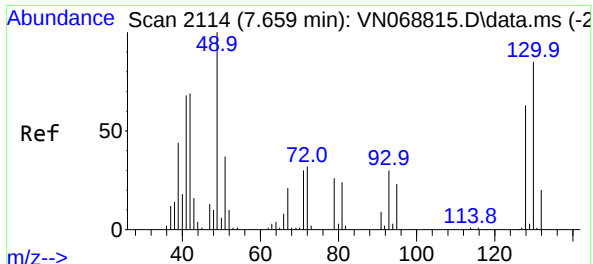
Tgt Ion: 84 Resp: 530
Ion Ratio Lower Upper
84 100
49 39.3 110.9 166.3#
51 0.0 32.6 49.0#
86 52.1 51.6 77.4



#25
2-Butanone
Concen: 2.00 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.010 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Tgt Ion: 43 Resp: 6587
Ion Ratio Lower Upper
43 100
72 29.0 19.7 29.5

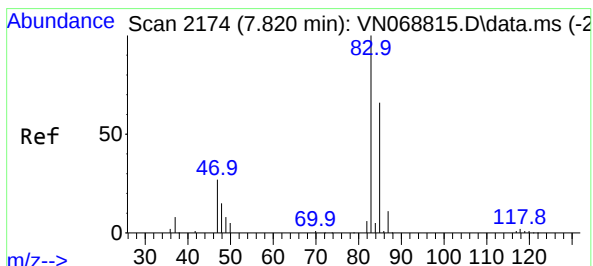
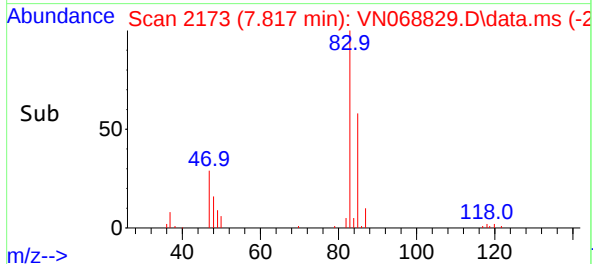
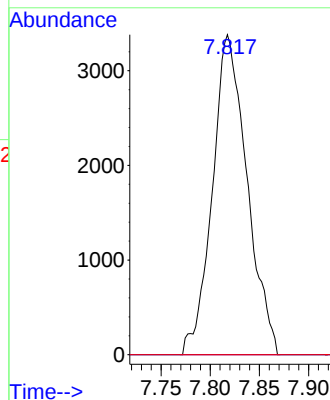
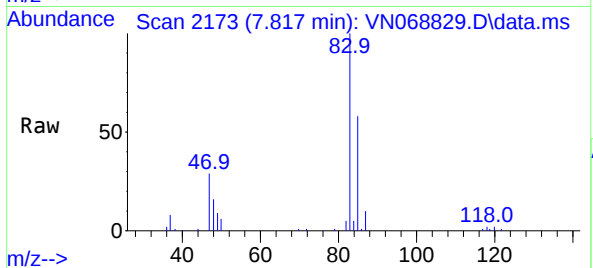




#28
Bromochloromethane
Concen: 1.71 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. 0.158 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

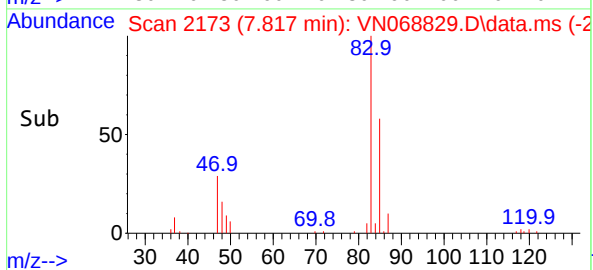
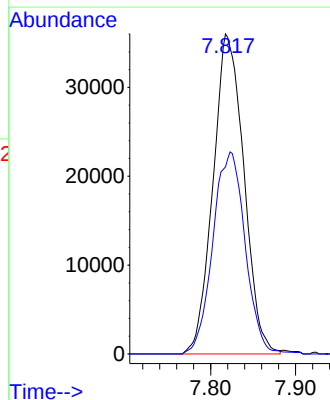
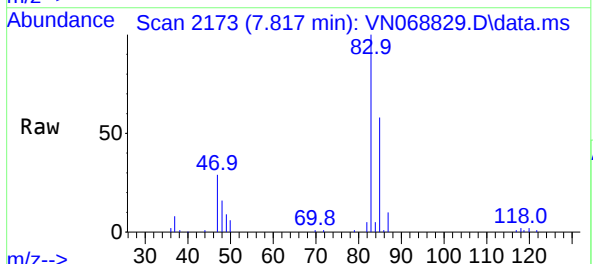
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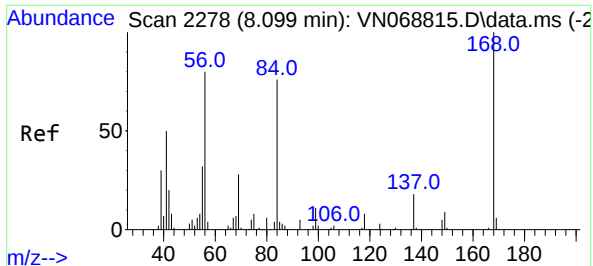
Tgt Ion: 49 Resp: 8285
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 49.7 74.5#



#30
Chloroform
Concen: 8.61 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.003 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Tgt Ion: 83 Resp: 90837
Ion Ratio Lower Upper
83 100
85 58.5 51.5 77.3

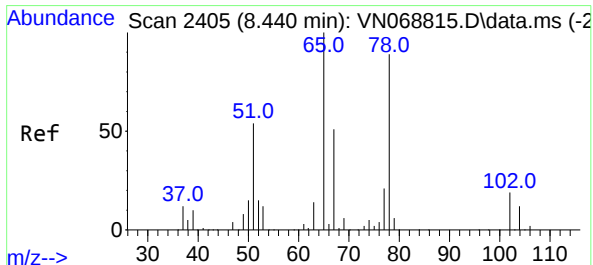
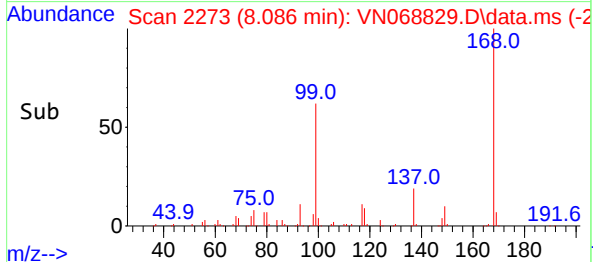
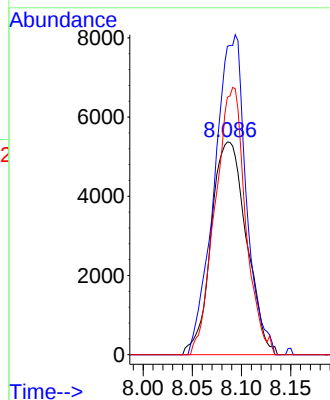
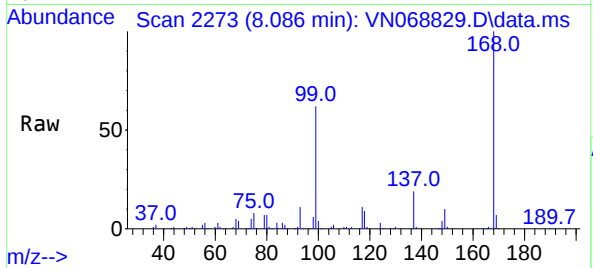




#31
Cyclohexane
Concen: Below Cal
RT: 8.086 min Scan# 2273
Delta R.T. -0.013 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

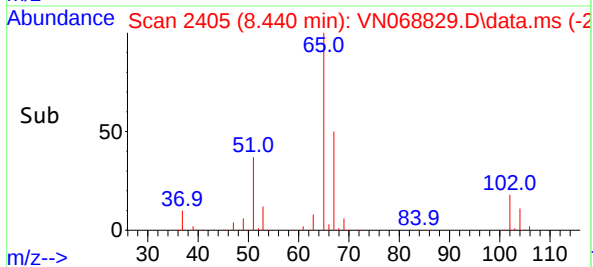
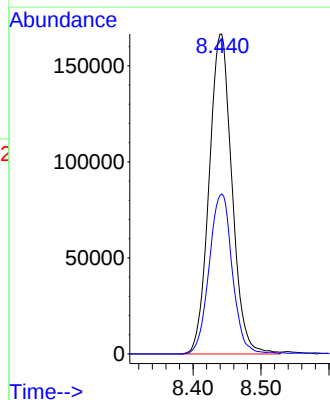
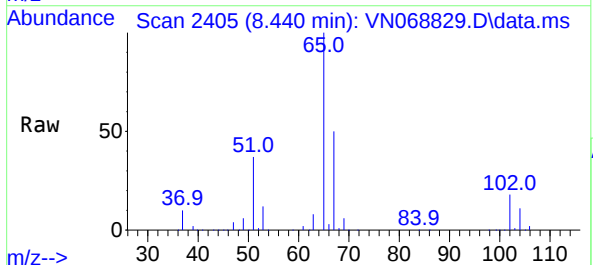
Instrument :
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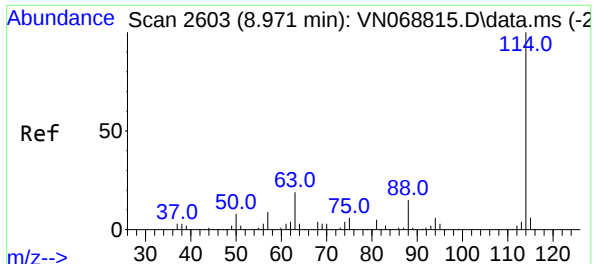
Tgt Ion: 56 Resp: 13432
Ion Ratio Lower Upper
56 100
69 145.0 27.3 40.9#
84 121.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.88 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Tgt Ion: 65 Resp: 388806
Ion Ratio Lower Upper
65 100
67 50.4 0.0 98.6



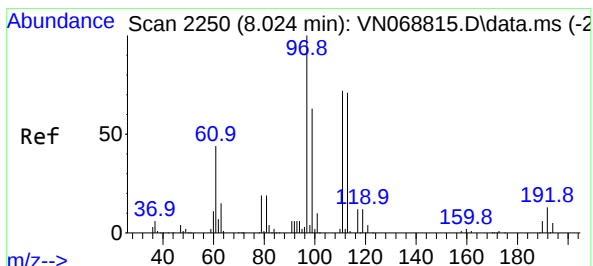
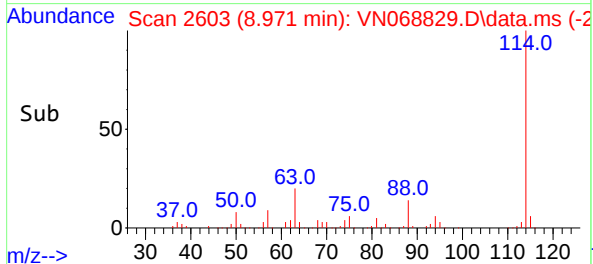
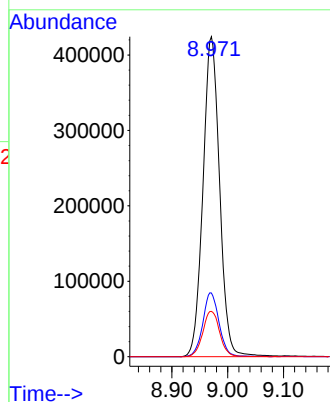
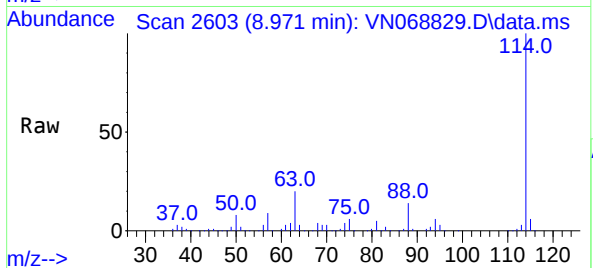


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-WATER

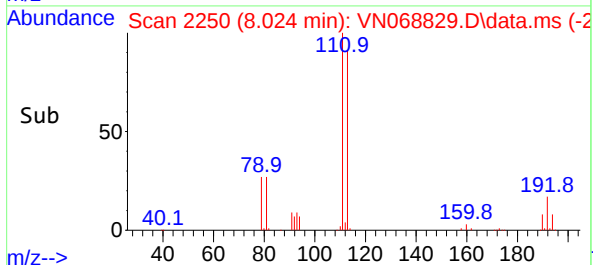
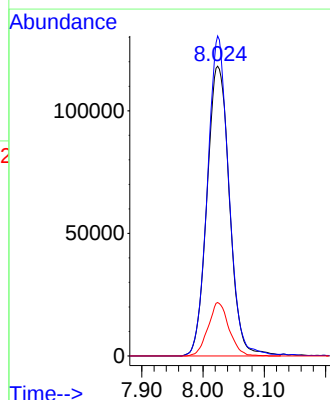
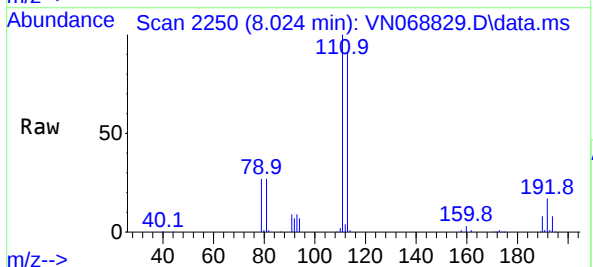
Tgt Ion:114 Resp: 878298
Ion Ratio Lower Upper
114 100
63 19.9 0.0 49.0
88 14.2 0.0 36.6

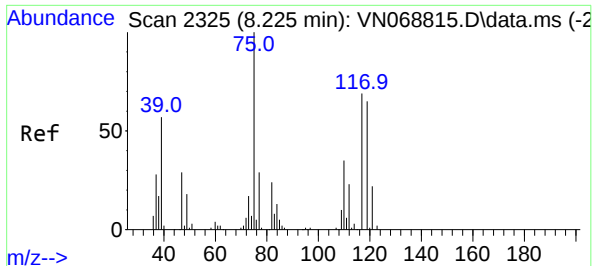


#35

Dibromofluoromethane
Concen: 52.32 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Tgt Ion:113 Resp: 301879
Ion Ratio Lower Upper
113 100
111 104.4 83.8 125.8
192 17.2 13.4 20.0

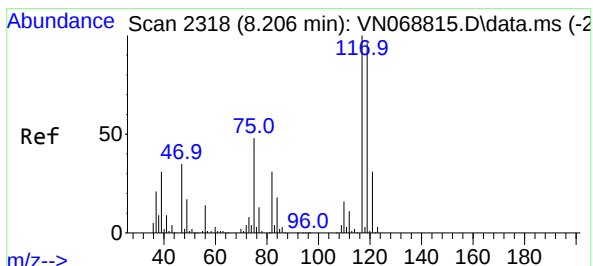
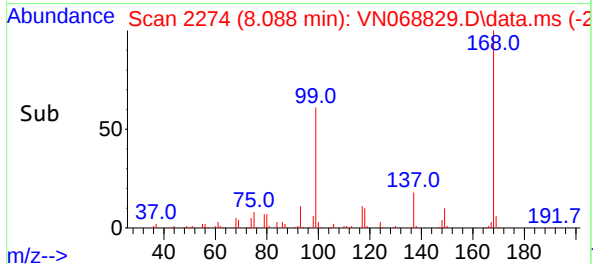
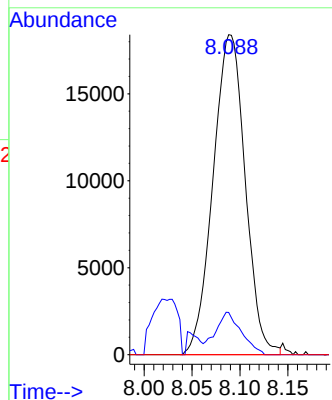
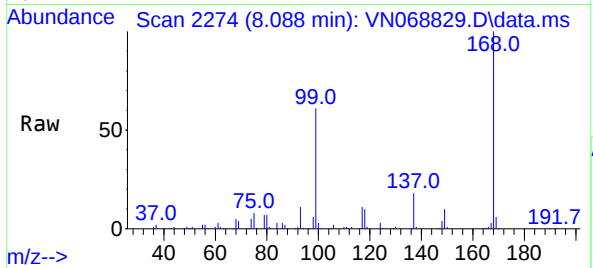




#36
1,1-Dichloropropene
Concen: 6.19 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

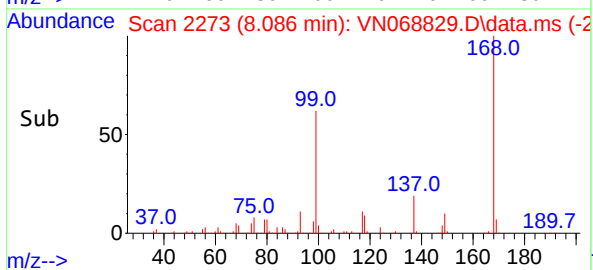
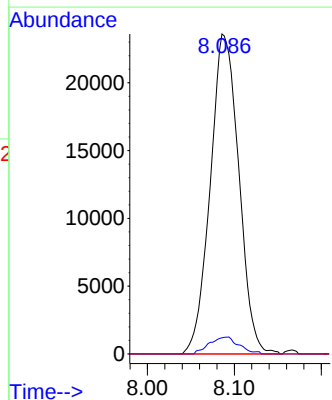
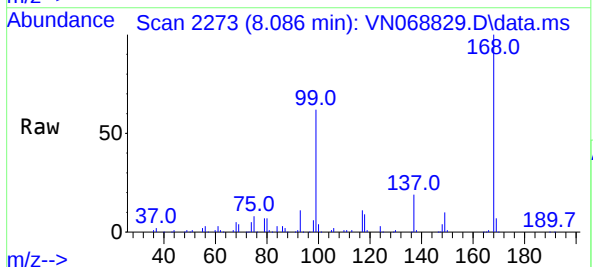
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-WATER

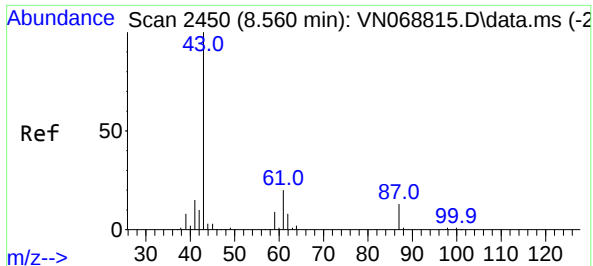
Tgt Ion: 75 Resp: 42959
Ion Ratio Lower Upper
75 100
110 10.7 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.44 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Tgt Ion: 117 Resp: 53850
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 23.5 35.3#

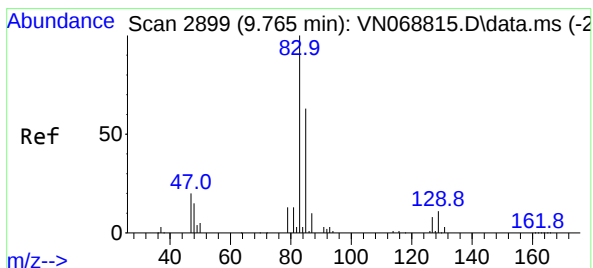
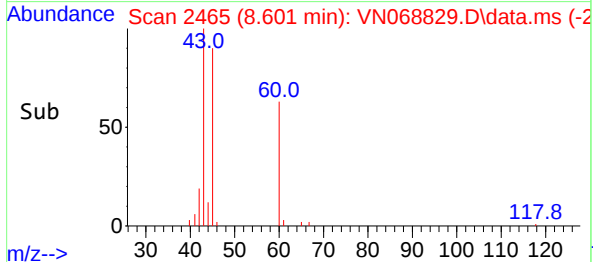
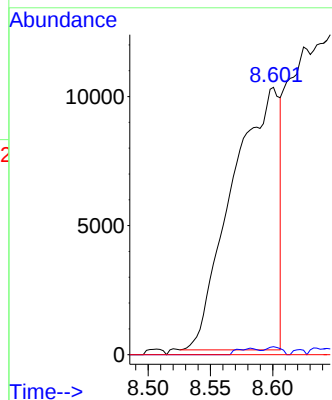
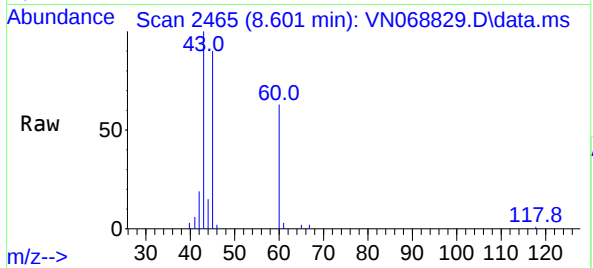




#43
Isopropyl Acetate
Concen: 2.23 ug/l
RT: 8.601 min Scan# 2465
Delta R.T. 0.041 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

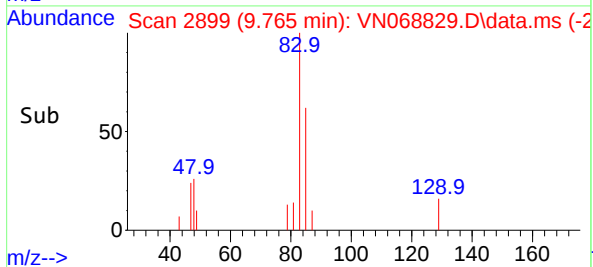
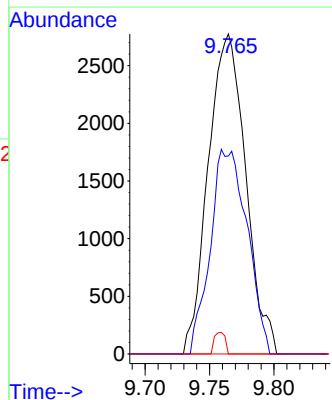
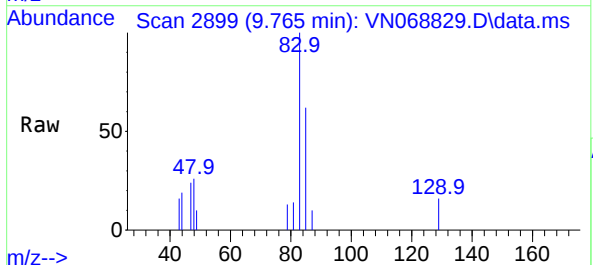
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-WATER

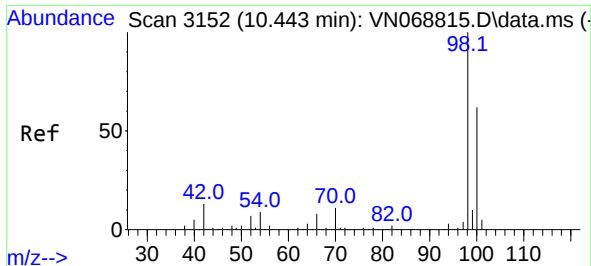
Tgt Ion: 43 Resp: 26819
Ion Ratio Lower Upper
43 100
61 1.0 19.0 28.4#
87 0.0 9.5 14.3#



#47
Bromodichloromethane
Concen: 0.64 ug/l
RT: 9.765 min Scan# 2899
Delta R.T. -0.000 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Tgt Ion: 83 Resp: 5605
Ion Ratio Lower Upper
83 100
85 61.9 49.9 74.9
127 0.0 6.1 9.1#

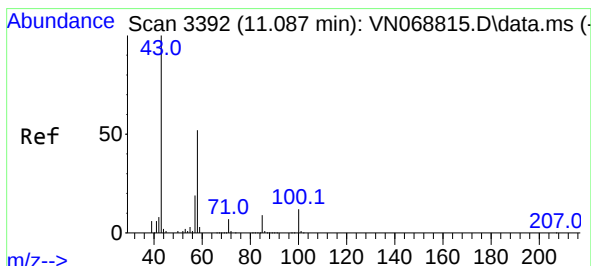
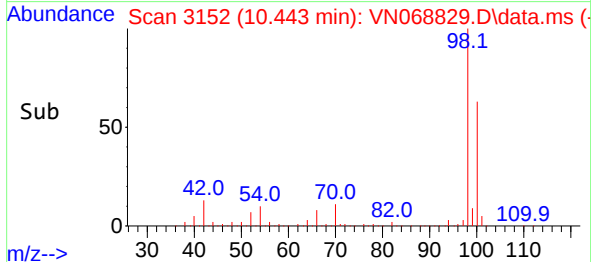
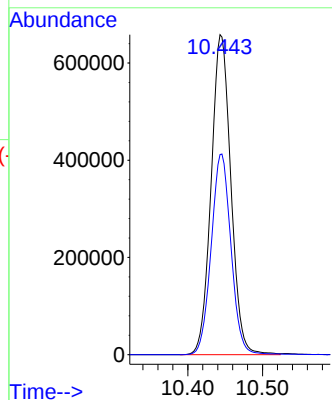
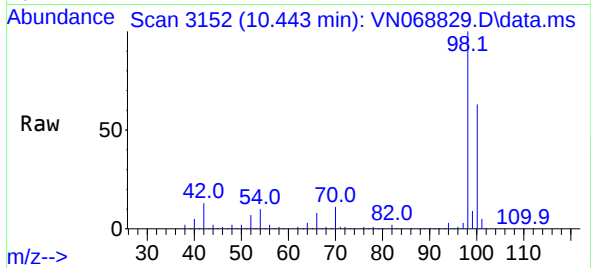




#50
Toluene-d8
Concen: 53.64 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

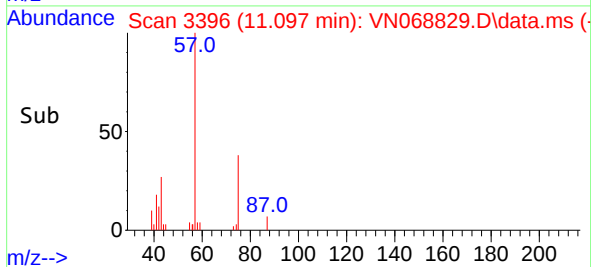
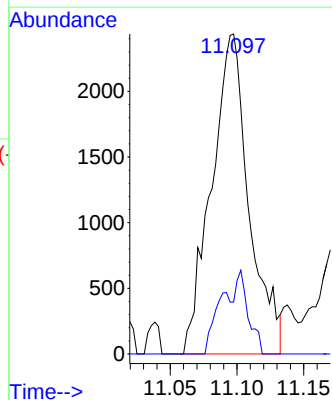
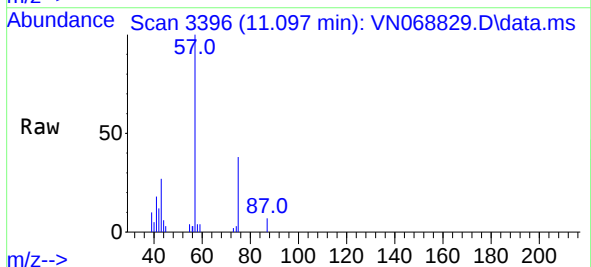
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-WATER

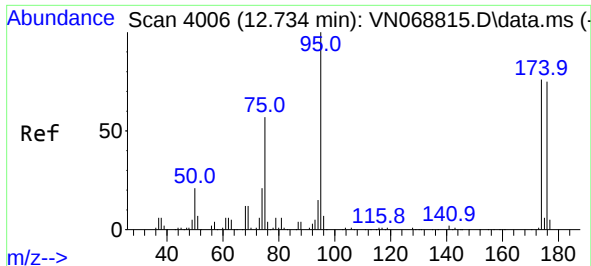
Tgt Ion: 98 Resp: 1206859
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5



#59
2-Hexanone
Concen: 0.86 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.010 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Tgt Ion: 43 Resp: 4767
Ion Ratio Lower Upper
43 100
58 9.8 24.7 74.1#

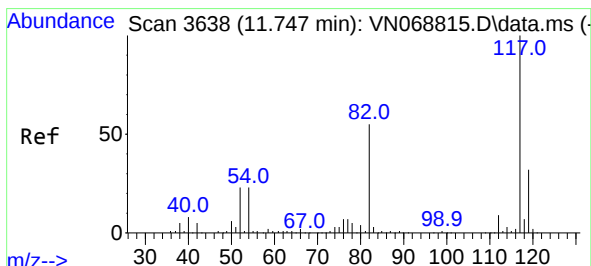
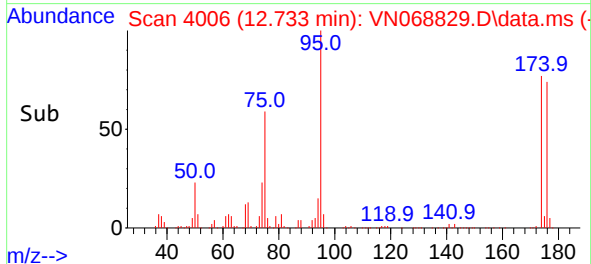
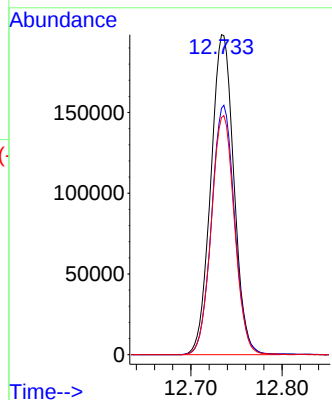
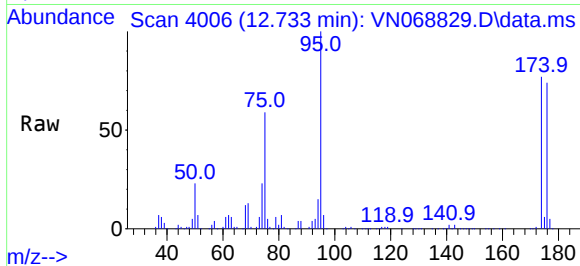




#62
4-Bromofluorobenzene
Concen: 41.86 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

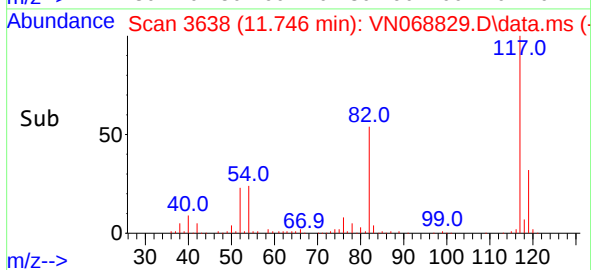
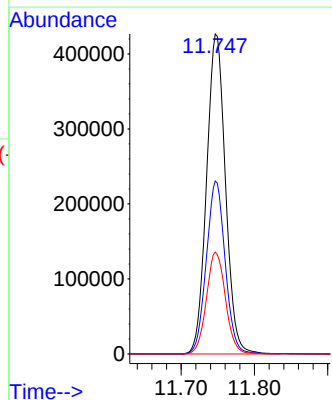
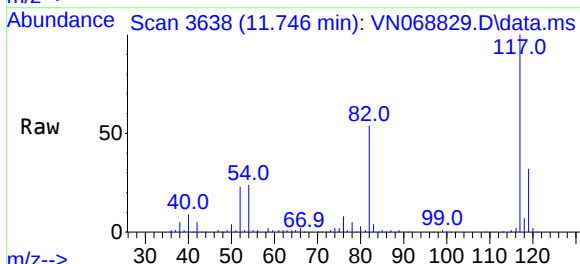
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-WATER

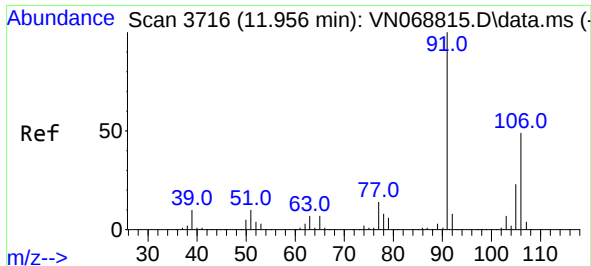
Tgt Ion: 95 Resp: 348600
Ion Ratio Lower Upper
95 100
174 77.9 0.0 122.0
176 74.9 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Tgt Ion: 117 Resp: 763626
Ion Ratio Lower Upper
117 100
82 54.0 53.1 79.7
119 31.8 25.5 38.3

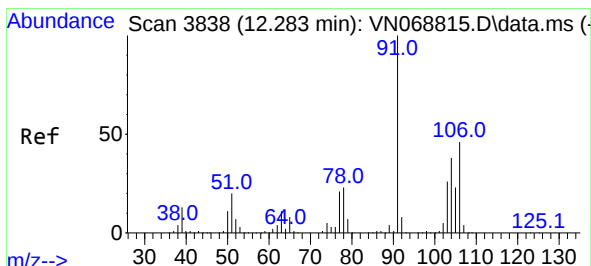
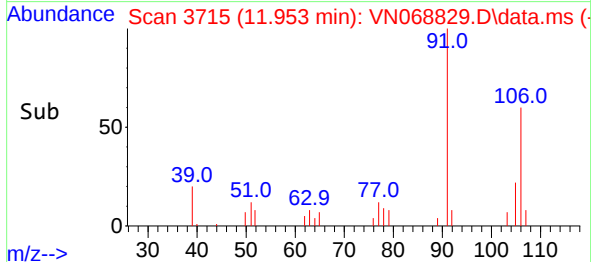
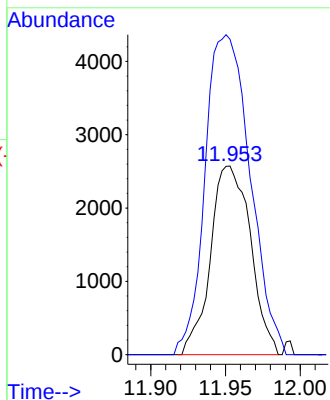
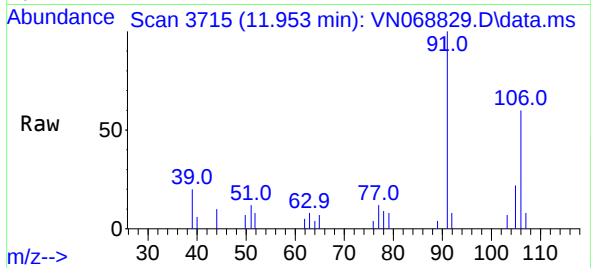




#68
m/p-Xylenes
Concen: 0.47 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

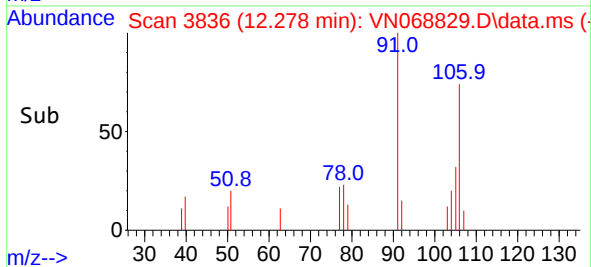
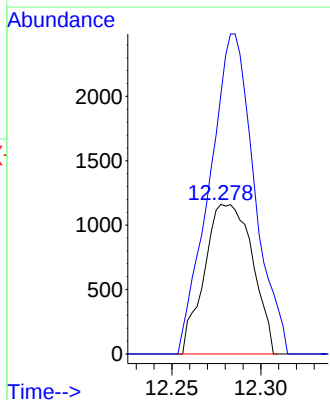
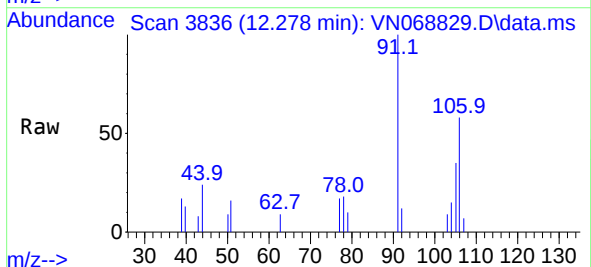
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-WATER

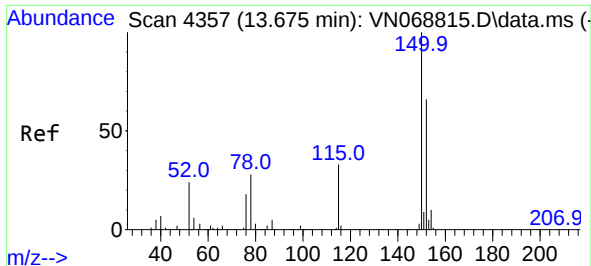
Tgt Ion:106 Resp: 4794
Ion Ratio Lower Upper
106 100
91 190.7 180.6 270.8



#69
o-Xylene
Concen: 0.22 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.005 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

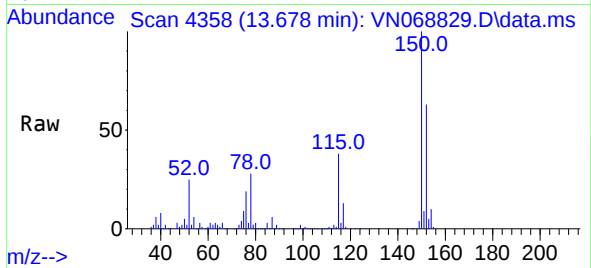
Tgt Ion:106 Resp: 2179
Ion Ratio Lower Upper
106 100
91 200.0 118.3 354.9



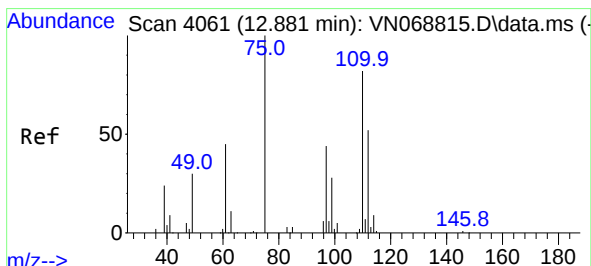
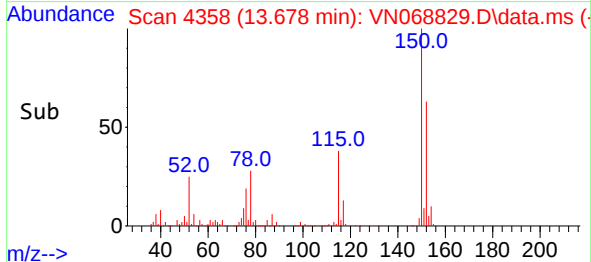
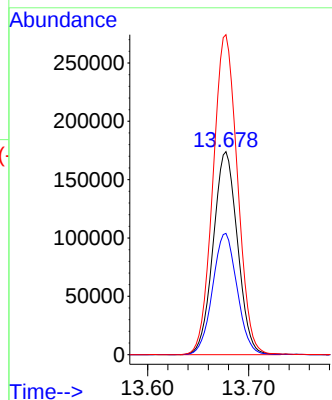


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-WATER

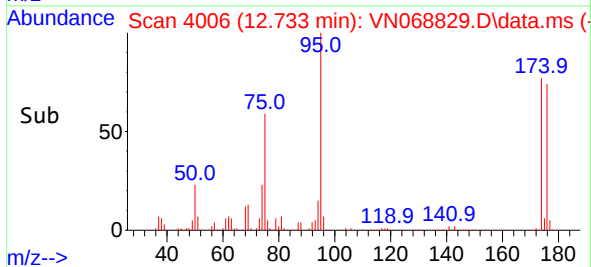
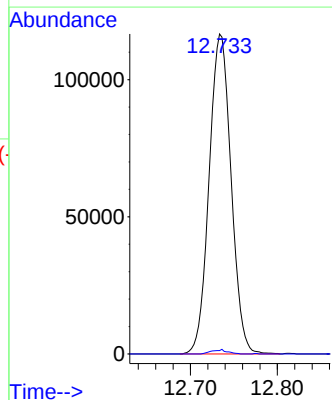
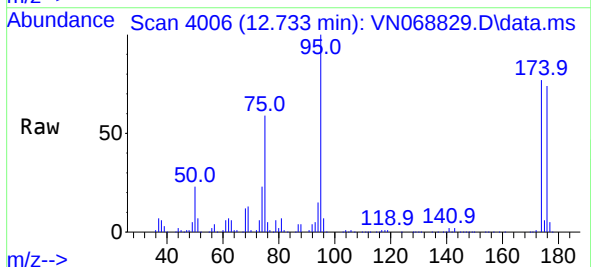


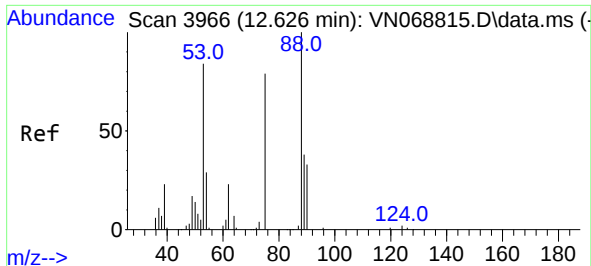
Tgt Ion:152 Resp: 290799
Ion Ratio Lower Upper
152 100
115 60.5 36.1 108.5
150 159.0 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 35.71 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Tgt Ion: 75 Resp: 204689
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

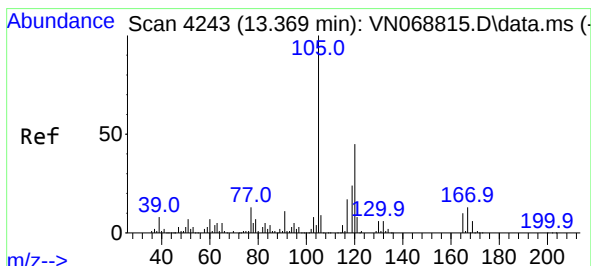
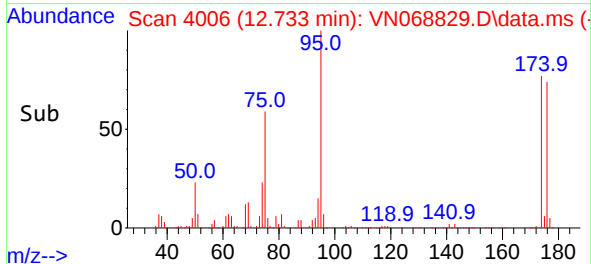
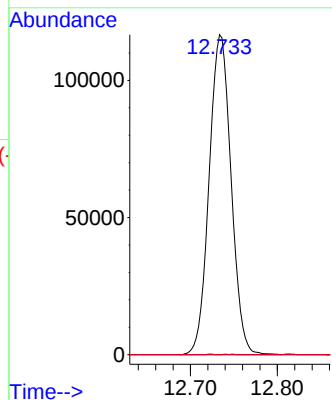
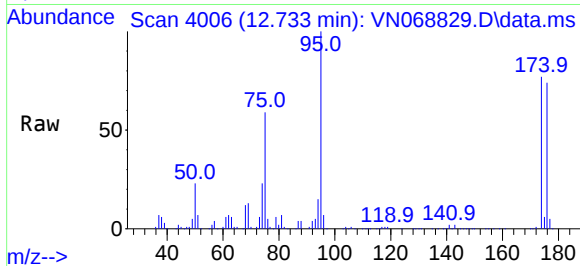




#81
trans-1,4-Dichloro-2-butene
Concen: 103.44 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

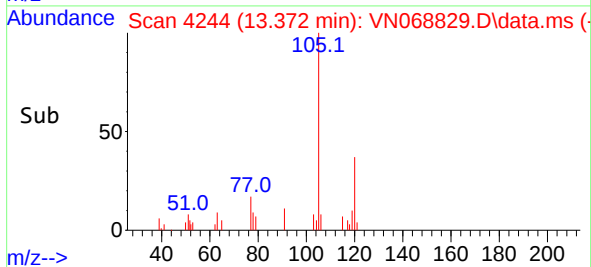
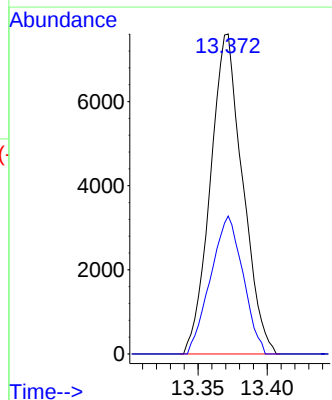
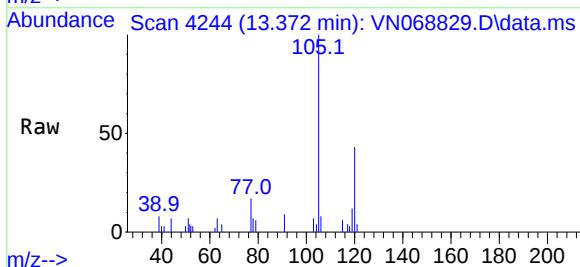
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-WATER

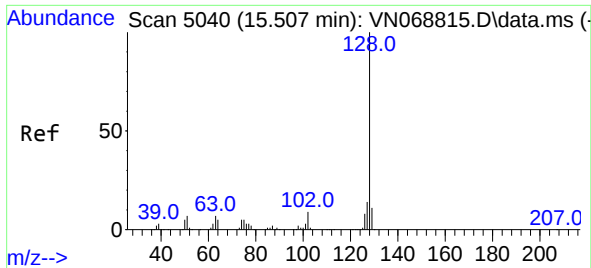
Tgt Ion: 75 Resp: 204689
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.66 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

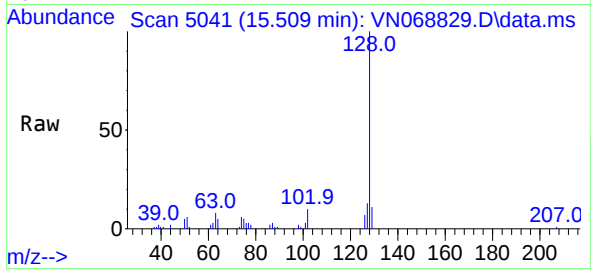
Tgt Ion:105 Resp: 12342
Ion Ratio Lower Upper
105 100
120 43.1 20.6 61.8





#95
Naphthalene
Concen: 4.44 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068829.D
Acq: 6 Oct 2021 19:56

Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-WATER



Tgt Ion:128 Resp: 51215
Ion Ratio Lower Upper
128 100
127 9.9 10.6 15.8#
129 10.5 8.6 12.8

