

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100621\
 Data File : VN068827.D
 Acq On : 6 Oct 2021 19:06
 Operator : JC/MD
 Sample : M4087-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20211005-ROCK

Quant Time: Oct 07 06:03:00 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)

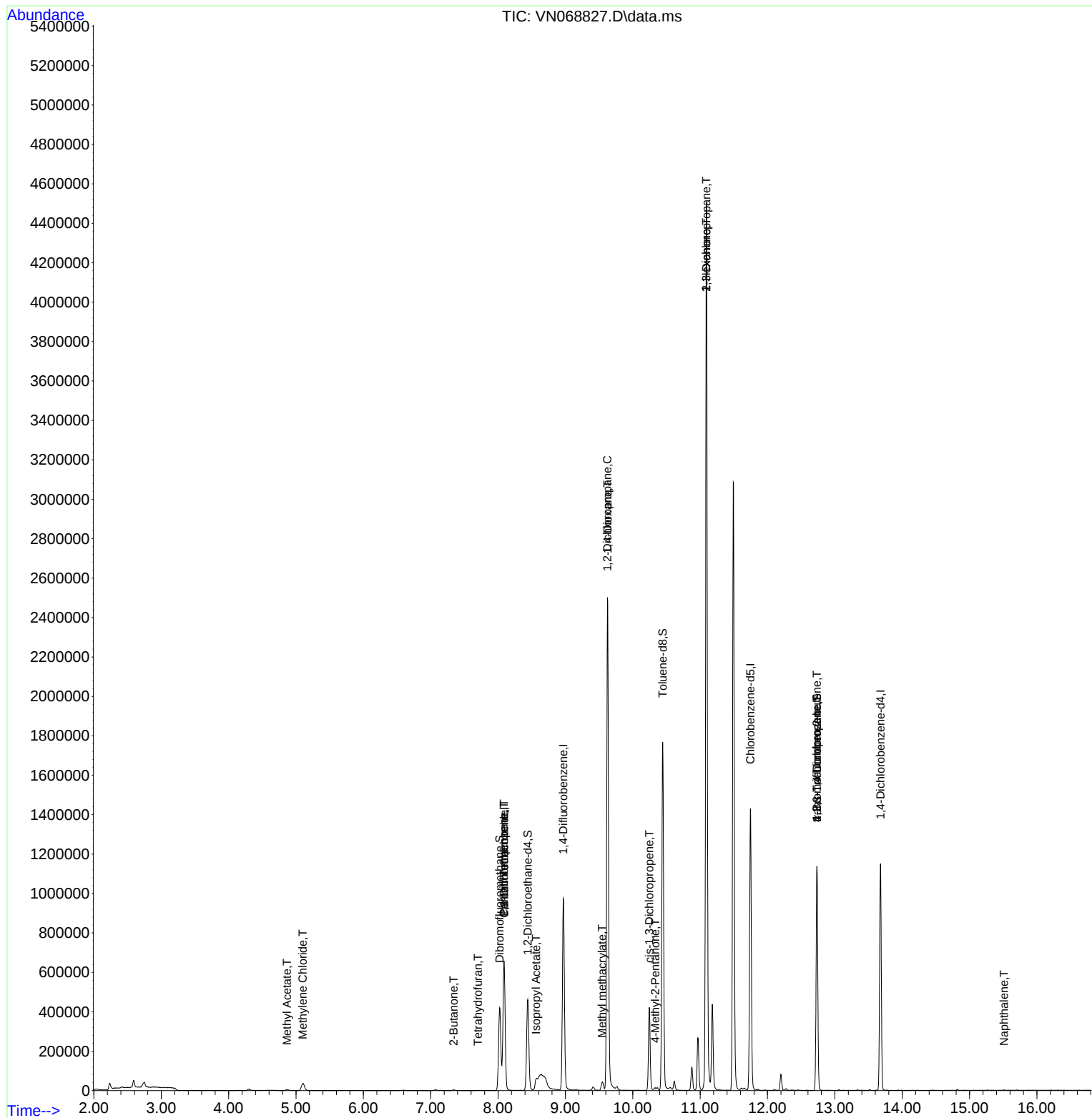
Internal Standards						
1) Pentafluorobenzene	8.088	168	478415	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	840149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	824358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	291517	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	383085	54.49	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.98%			
35) Dibromofluoromethane	8.024	113	295951	53.63	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.26%			
50) Toluene-d8	10.443	98	1219148	56.65	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 113.30%			
62) 4-Bromofluorobenzene	12.734	95	360575	44.87	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.74%			
Target Compounds						
3) Chloromethane	2.301	50	1496	Below Cal	#	82
4) Vinyl Chloride	2.440	62	82	Below Cal	#	44
6) Chloroethane	3.017	64	294	Below Cal	#	44
16) Acetone	4.299	43	12891	Below Cal		96
17) Carbon Disulfide	4.535	76	139	Below Cal	#	74
18) Methyl Acetate	4.867	43	10370	1.49	ug/l	# 82
20) Methylene Chloride	5.101	84	29722	3.62	ug/l	83
25) 2-Butanone	7.340	43	6429	2.00	ug/l	91
29) Tetrahydrofuran	7.700	42	793	0.40	ug/l	# 53
31) Cyclohexane	8.086	56	13162	Below Cal	#	39
36) 1,1-Dichloropropene	8.088	75	41379	6.23	ug/l	# 54
38) Carbon Tetrachloride	8.091	117	52852	6.61	ug/l	# 17
43) Isopropyl Acetate	8.566	43	66516	5.77	ug/l	# 83
45) 1,2-Dichloropropane	9.623	63	3032	0.56	ug/l	# 44
48) Methyl methacrylate	9.545	41	11412	2.32	ug/l	# 12
49) 1,4-Dioxane	9.625	88	179	1.67	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.333	43	5494	0.75	ug/l	# 71
54) cis-1,3-Dichloropropene	10.245	75	73176	8.28	ug/l	# 66
57) 1,3-Dichloropropane	11.092	76	46502	4.98	ug/l	# 43
59) 2-Hexanone	11.092	43	691078	130.57	ug/l	# 54
76) 1,2,3-Trichloropropane	12.734	75	210045	36.55	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	210045	105.89	ug/l	# 6
95) Naphthalene	15.512	128	2354	0.20	ug/l	# 87
96) 1,2,3-Trichlorobenzene	15.700	180	591	Below Cal	#	60

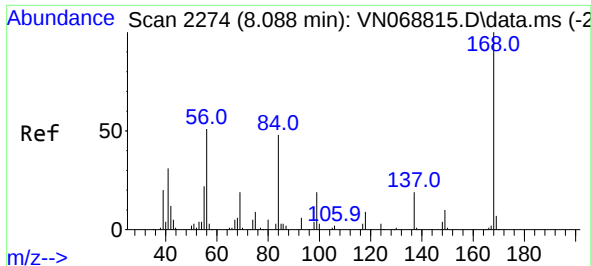
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100621\
Data File : VN068827.D
Acq On : 6 Oct 2021 19:06
Operator : JC/MD
Sample : M4087-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

Quant Time: Oct 07 06:03:00 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

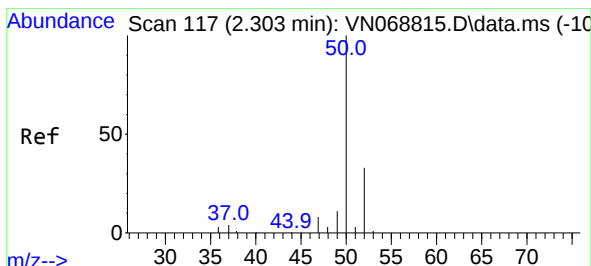
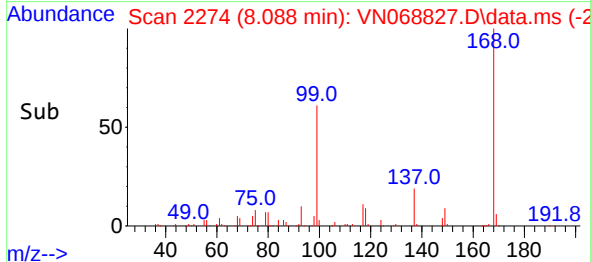
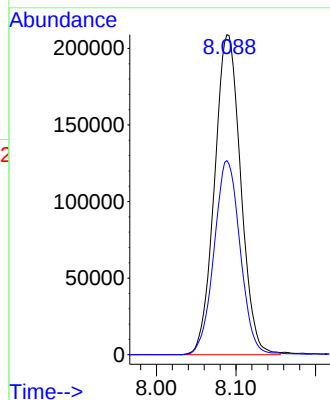
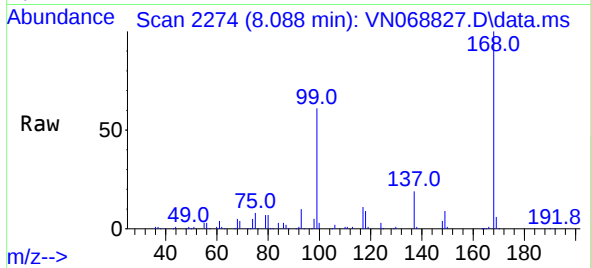




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

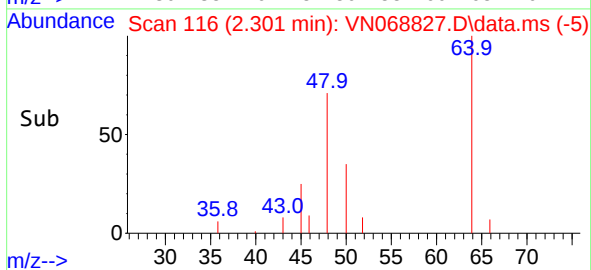
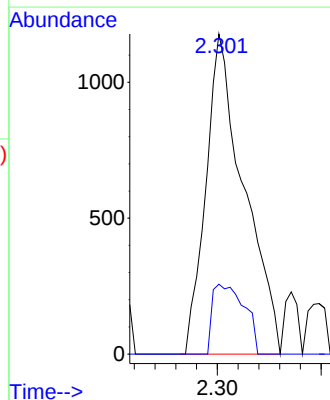
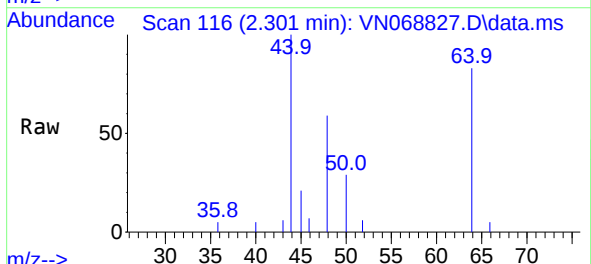
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

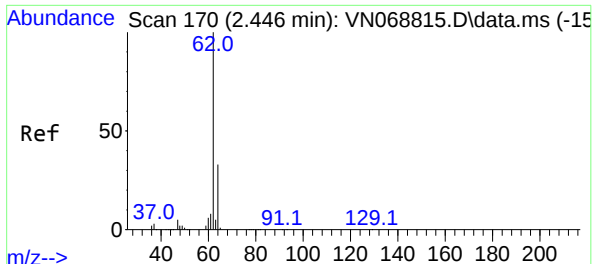
Tgt Ion:168 Resp: 478415
Ion Ratio Lower Upper
168 100
99 60.7 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Tgt Ion: 50 Resp: 1496
Ion Ratio Lower Upper
50 100
52 21.8 25.6 38.4#

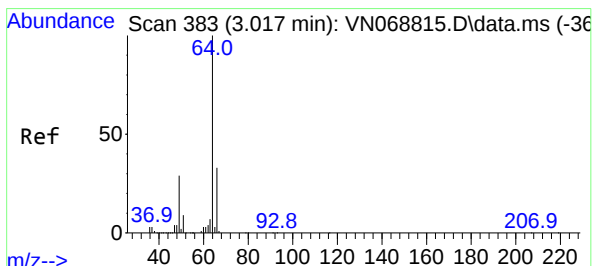
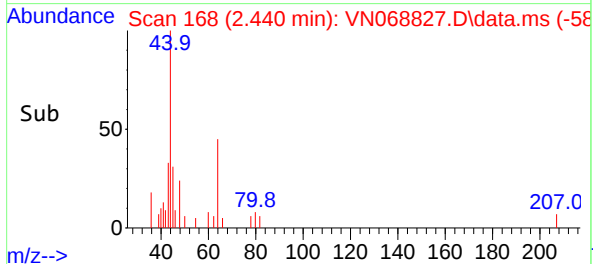
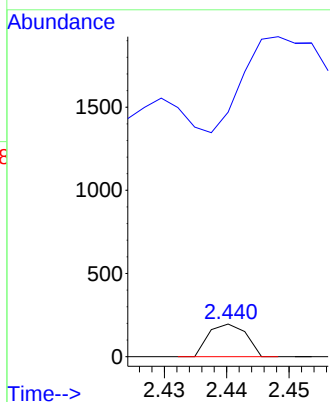
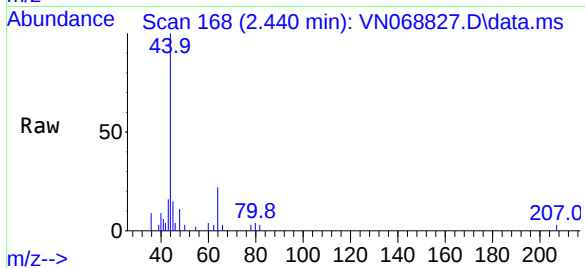




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.440 min Scan# 168
 Delta R.T. -0.006 min
 Lab File: VN068827.D
 Acq: 6 Oct 2021 19:06

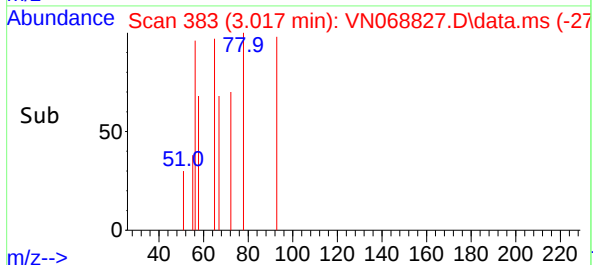
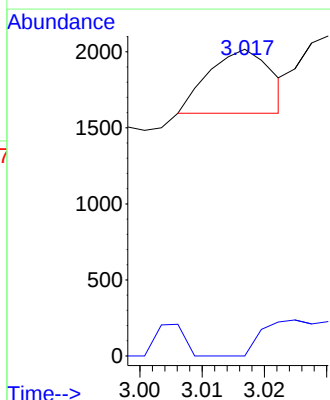
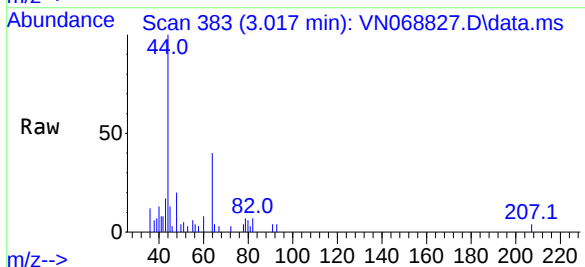
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-20211005-ROCK

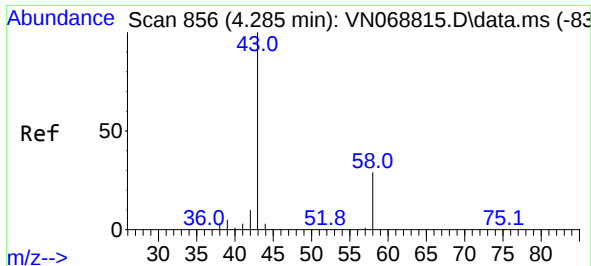
Tgt Ion: 62 Resp: 82
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.4 36.6#



#6
 Chloroethane
 Concen: Below Cal
 RT: 3.017 min Scan# 383
 Delta R.T. -0.000 min
 Lab File: VN068827.D
 Acq: 6 Oct 2021 19:06

Tgt Ion: 64 Resp: 294
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.7 37.1#

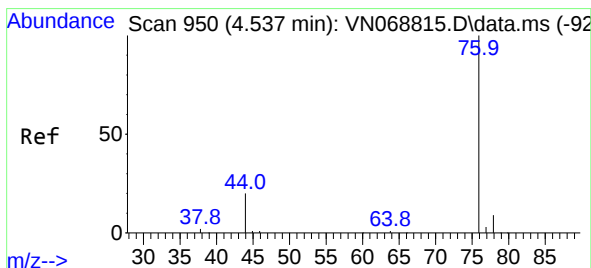
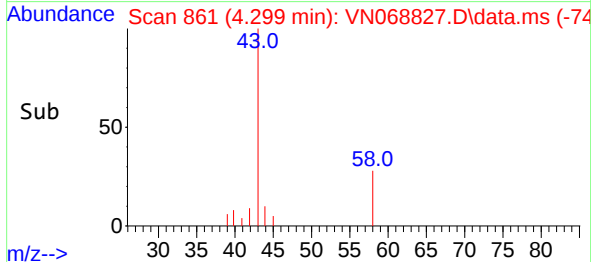
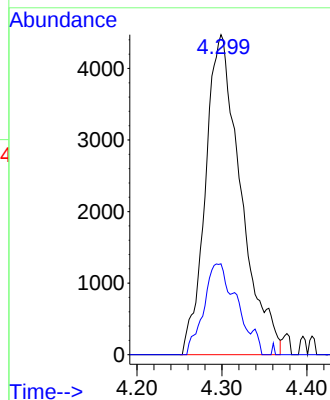
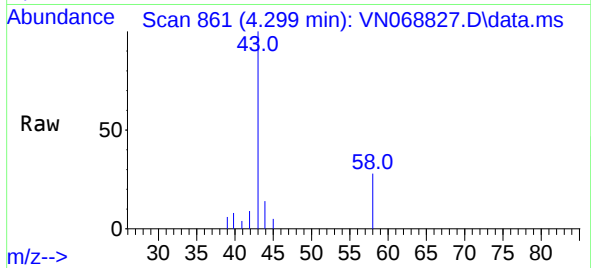




#16
Acetone
Concen: Below Cal
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

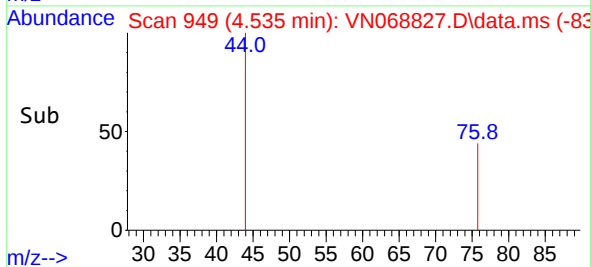
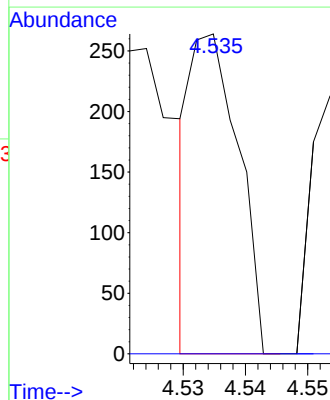
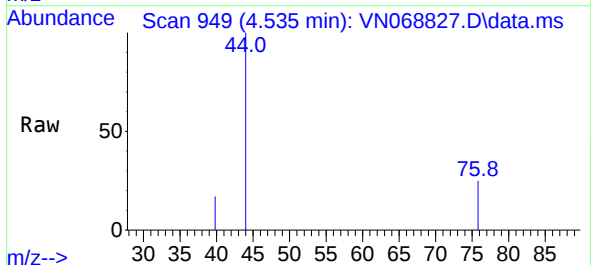
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

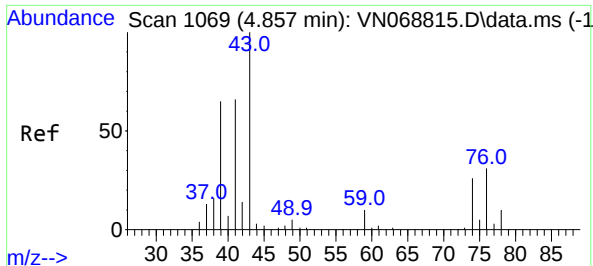
Tgt Ion: 43 Resp: 12891
Ion Ratio Lower Upper
43 100
58 28.4 21.2 31.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.535 min Scan# 949
Delta R.T. -0.002 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Tgt Ion: 76 Resp: 139
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

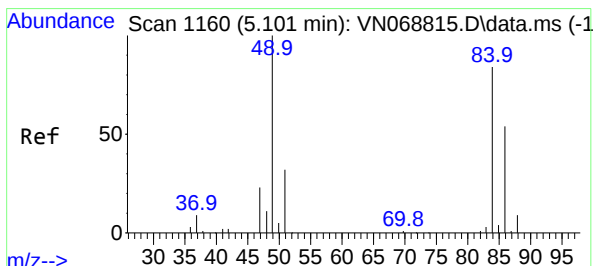
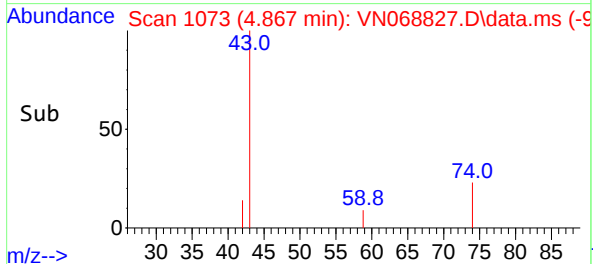
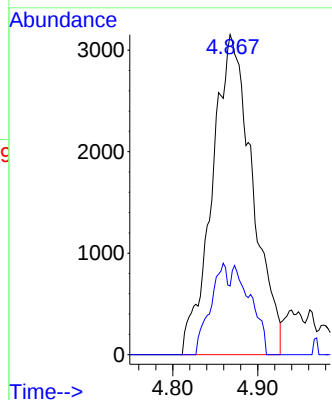
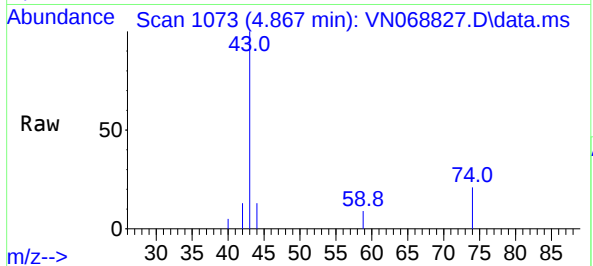




#18
Methyl Acetate
Concen: 1.49 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

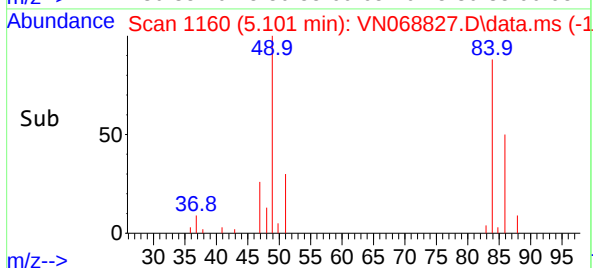
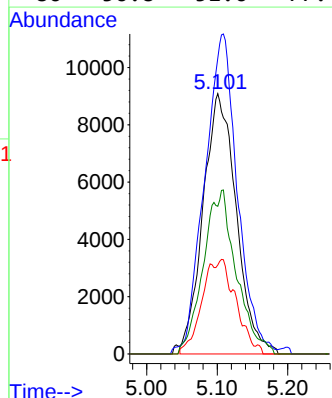
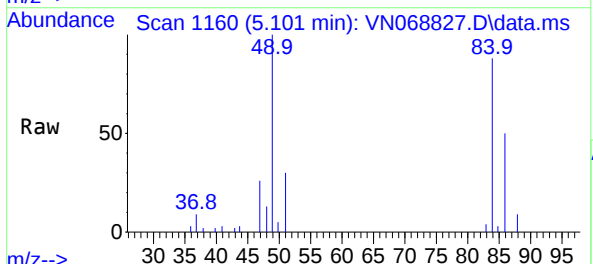
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

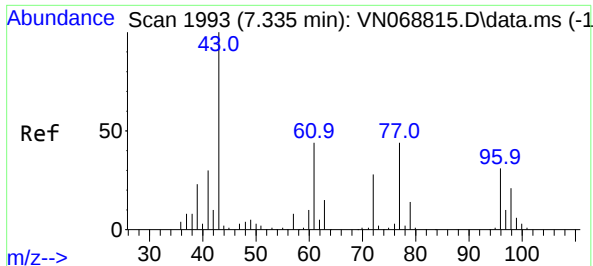
Tgt Ion: 43 Resp: 10370
Ion Ratio Lower Upper
43 100
74 13.4 17.4 26.0#



#20
Methylene Chloride
Concen: 3.62 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. -0.000 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Tgt Ion: 84 Resp: 29722
Ion Ratio Lower Upper
84 100
49 111.8 110.9 166.3
51 34.2 32.6 49.0
86 56.8 51.6 77.4

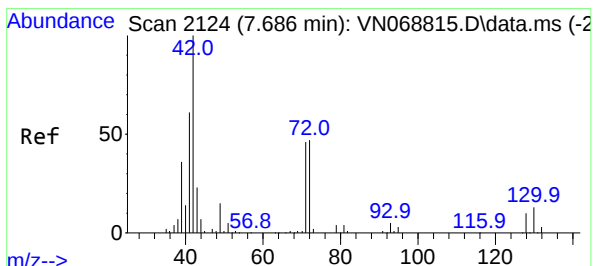
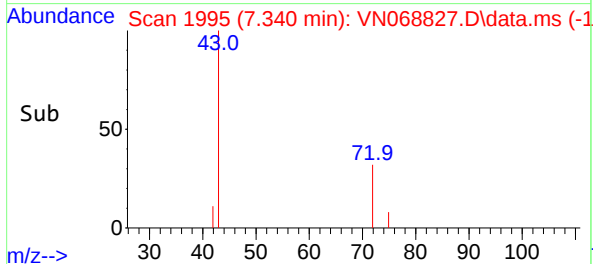
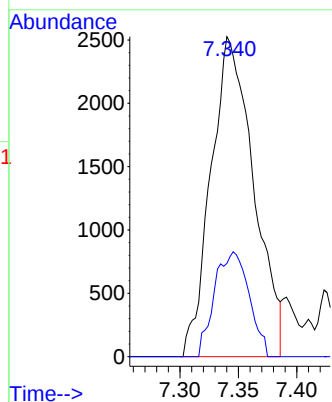
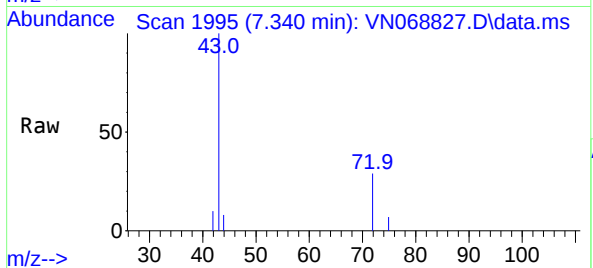




#25
2-Butanone
Concen: 2.00 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.005 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

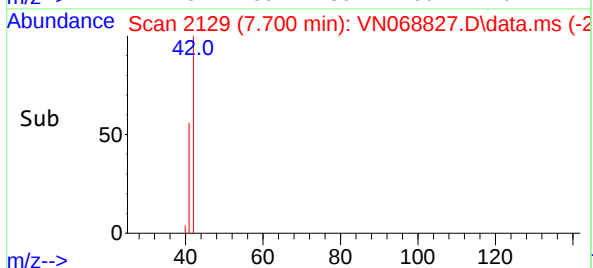
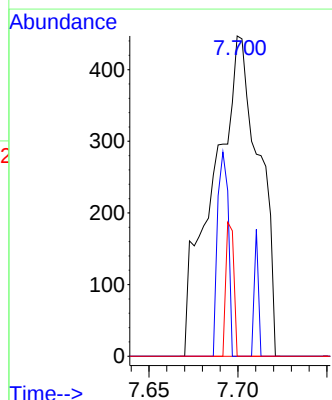
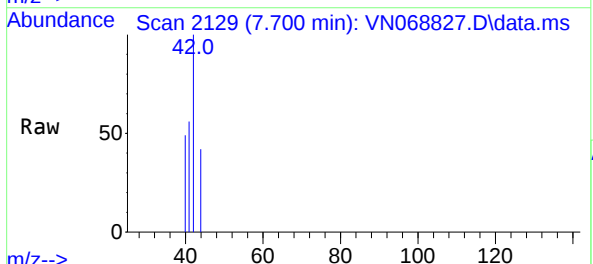
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

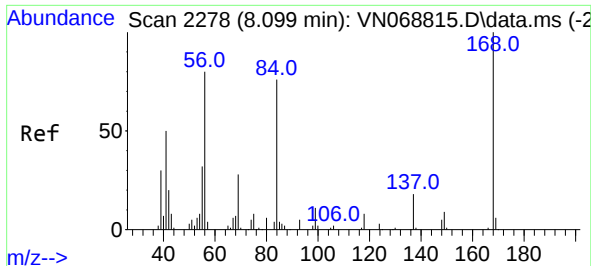
Tgt Ion: 43 Resp: 6429
Ion Ratio Lower Upper
43 100
72 29.1 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.40 ug/l
RT: 7.700 min Scan# 2129
Delta R.T. 0.014 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Tgt Ion: 42 Resp: 793
Ion Ratio Lower Upper
42 100
72 15.0 32.8 49.2#
71 7.3 31.2 46.8#

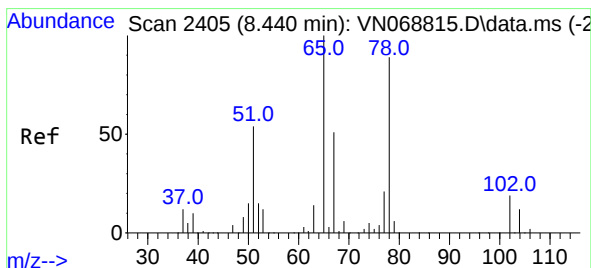
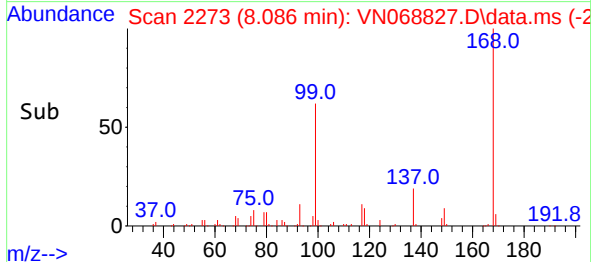
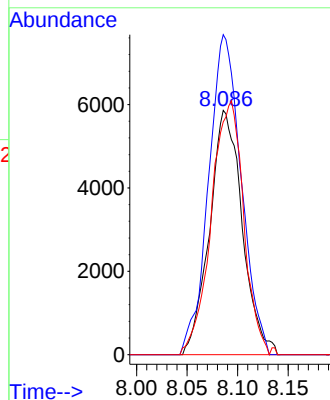
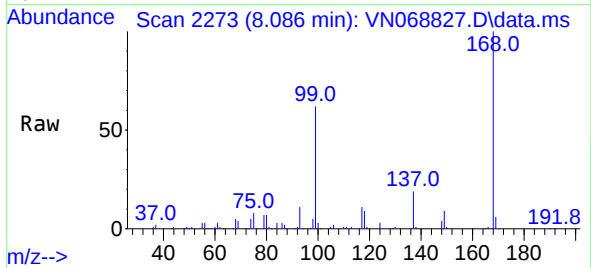




#31
Cyclohexane
Concen: Below Cal
RT: 8.086 min Scan# 2273
Delta R.T. -0.013 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

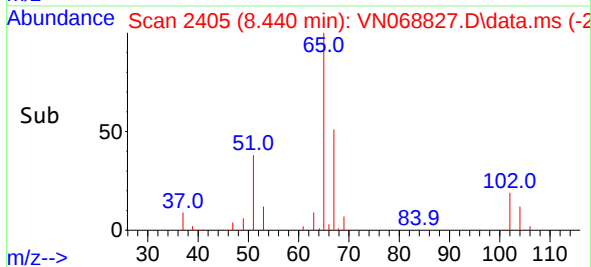
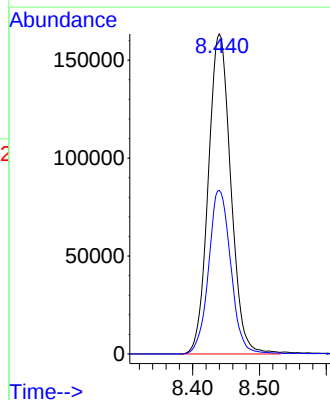
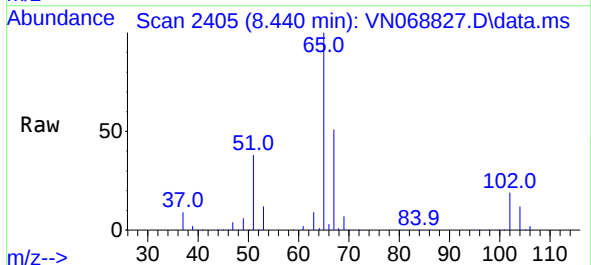
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

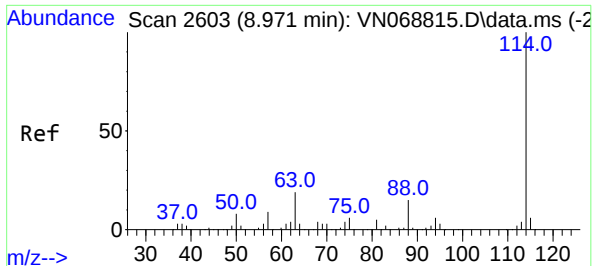
Tgt Ion: 56 Resp: 13162
Ion Ratio Lower Upper
56 100
69 131.0 27.3 40.9#
84 95.3 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 54.49 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Tgt Ion: 65 Resp: 383085
Ion Ratio Lower Upper
65 100
67 50.3 0.0 98.6

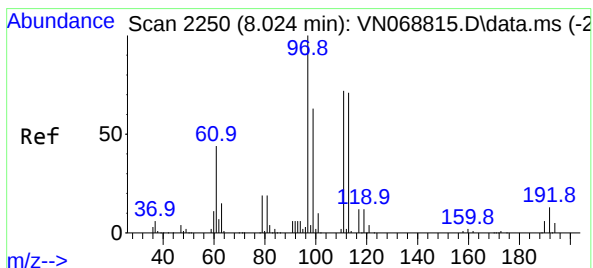
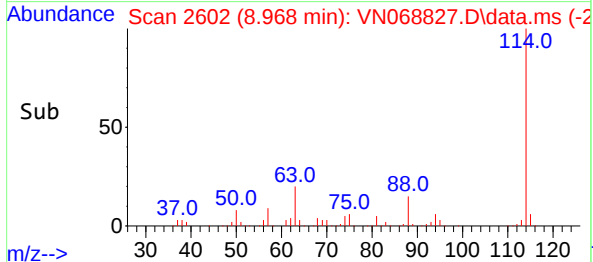
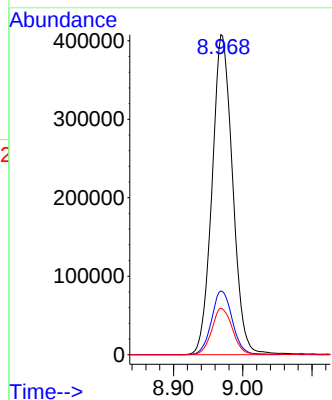
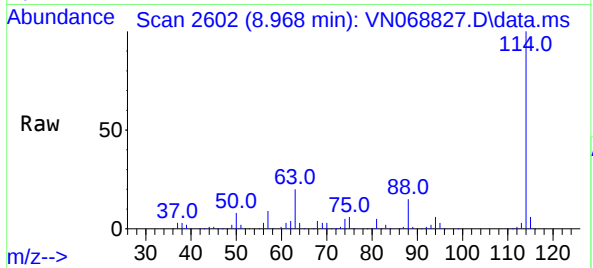




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

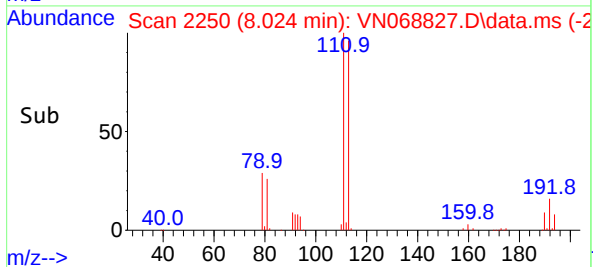
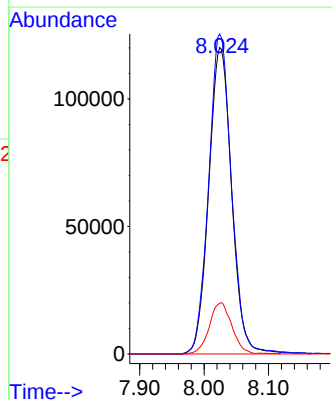
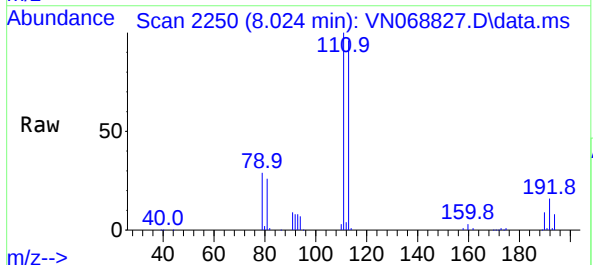
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

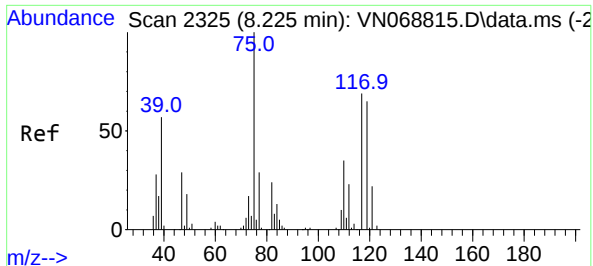
Tgt Ion:114 Resp: 840149
Ion Ratio Lower Upper
114 100
63 19.9 0.0 49.0
88 14.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.63 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Tgt Ion:113 Resp: 295951
Ion Ratio Lower Upper
113 100
111 104.3 83.8 125.8
192 16.5 13.4 20.0

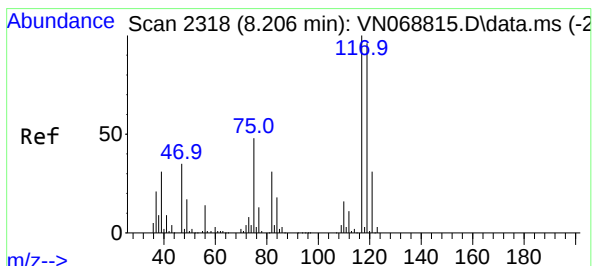
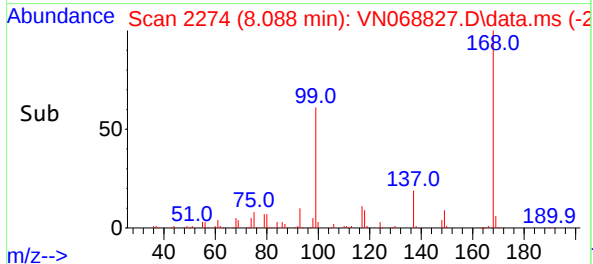
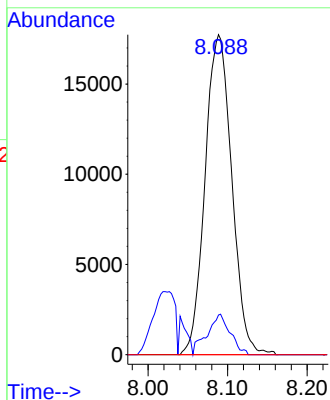
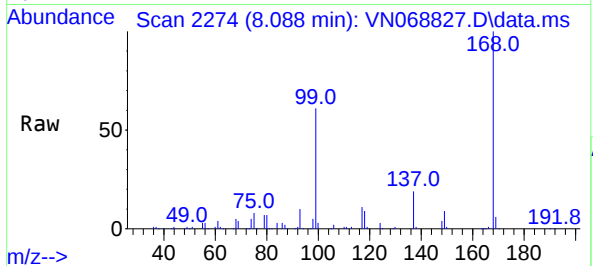




#36
1,1-Dichloropropene
Concen: 6.23 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

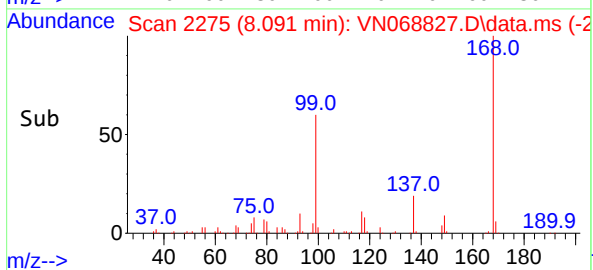
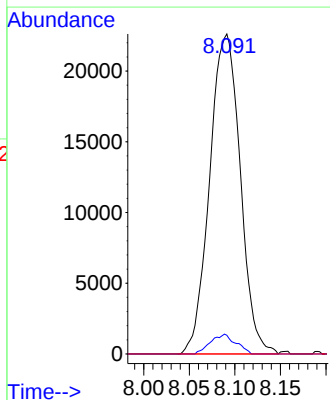
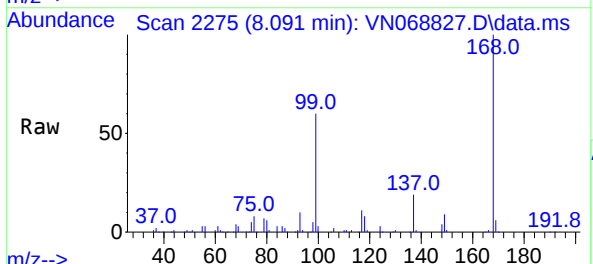
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

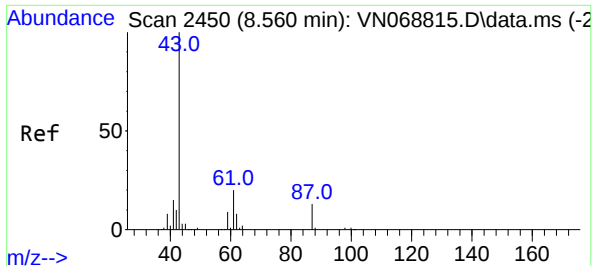
Tgt Ion: 75 Resp: 41379
Ion Ratio Lower Upper
75 100
110 10.9 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.61 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Tgt Ion: 117 Resp: 52852
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 23.5 35.3#

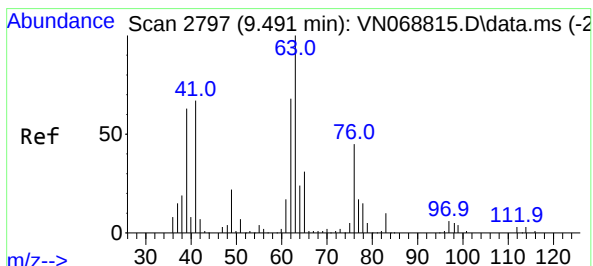
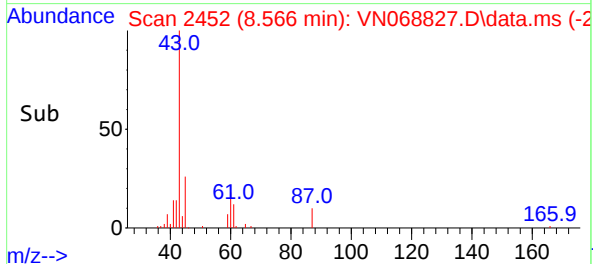
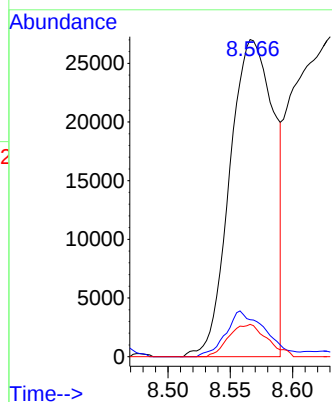
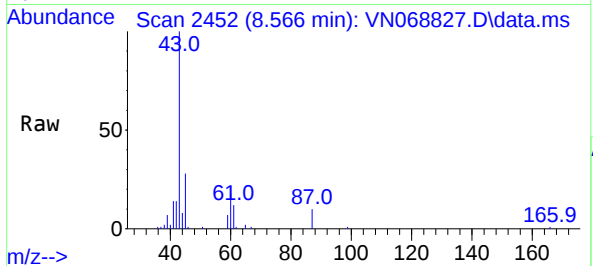




#43
Isopropyl Acetate
Concen: 5.77 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.006 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

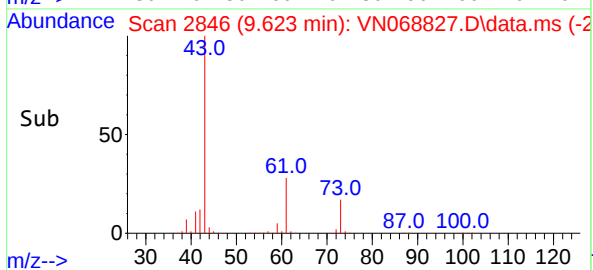
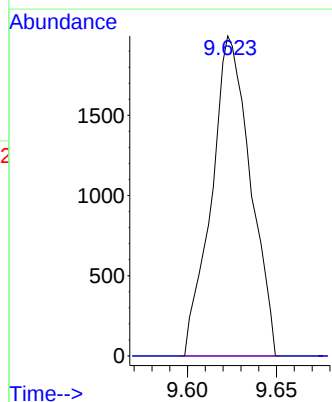
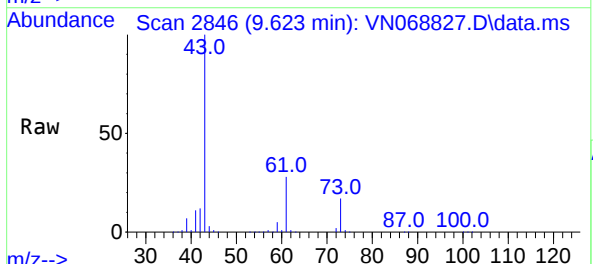
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

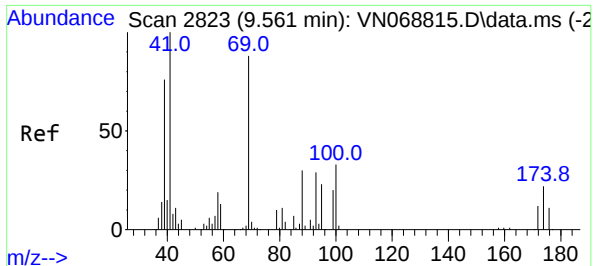
Tgt Ion: 43 Resp: 66516
Ion Ratio Lower Upper
43 100
61 13.0 19.0 28.4#
87 8.9 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.56 ug/l
RT: 9.623 min Scan# 2846
Delta R.T. 0.132 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Tgt Ion: 63 Resp: 3032
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

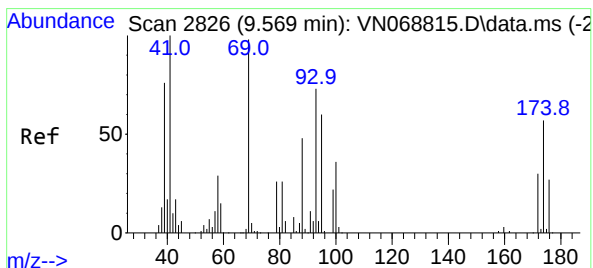
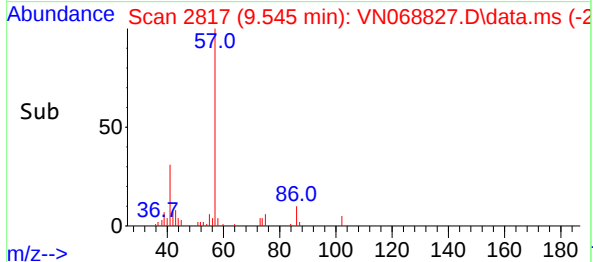
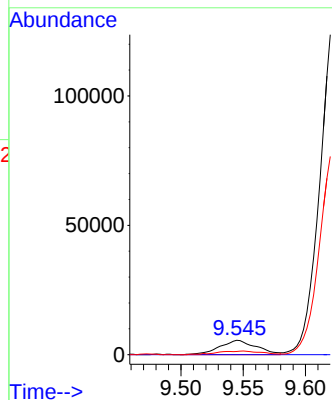
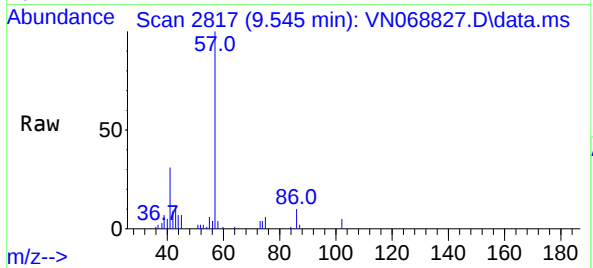




#48
Methyl methacrylate
Concen: 2.32 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

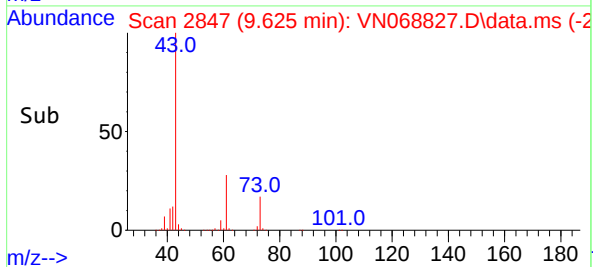
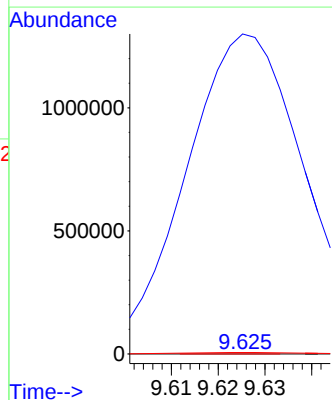
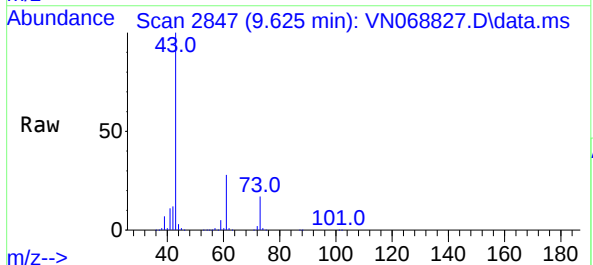
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

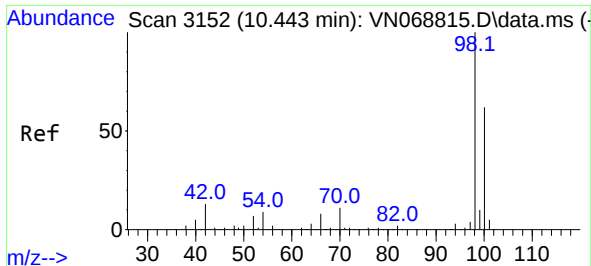
Tgt Ion: 41 Resp: 11412
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 1.67 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.056 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Tgt Ion: 88 Resp: 179
Ion Ratio Lower Upper
88 100
43 1357151.4 28.8 43.2#
58 6183.2 60.4 90.6#

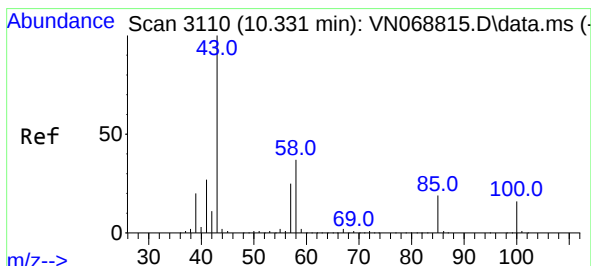
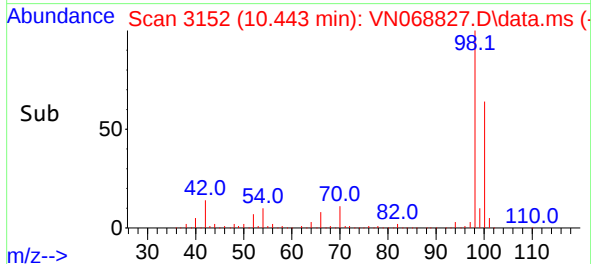
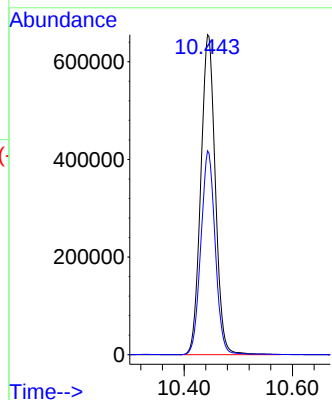
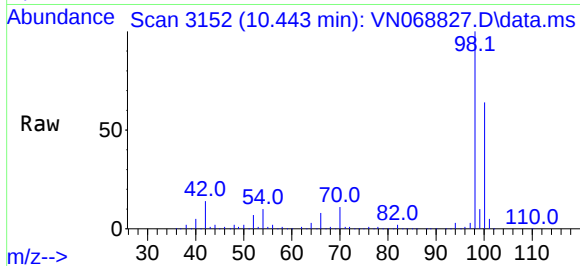




#50
Toluene-d8
Concen: 56.65 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

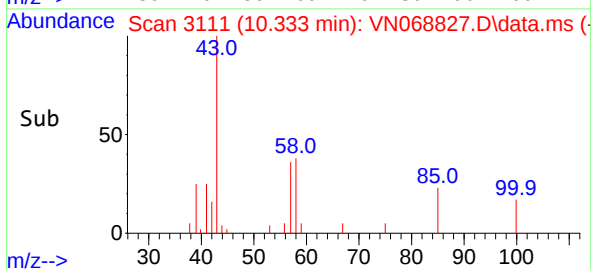
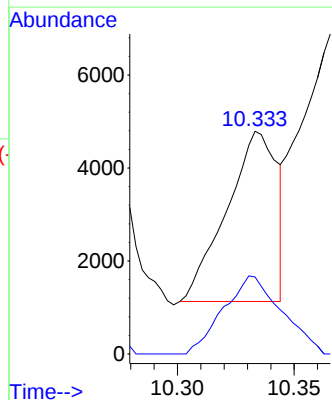
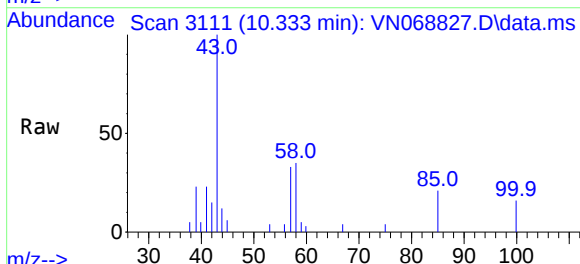
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

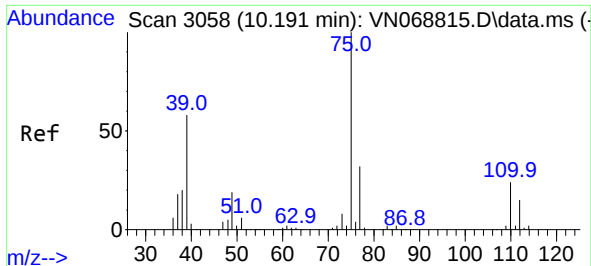
Tgt Ion: 98 Resp: 1219148
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.75 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Tgt Ion: 43 Resp: 5494
Ion Ratio Lower Upper
43 100
58 53.0 28.6 43.0#

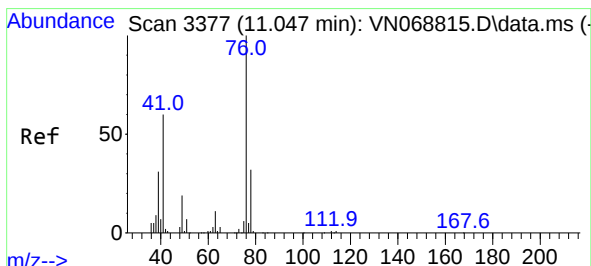
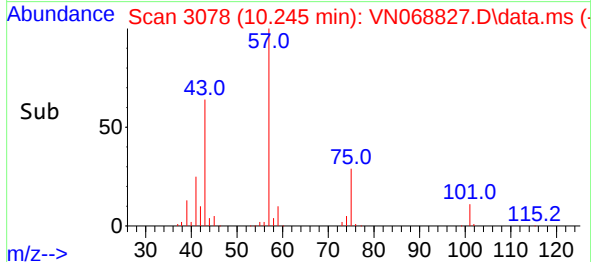
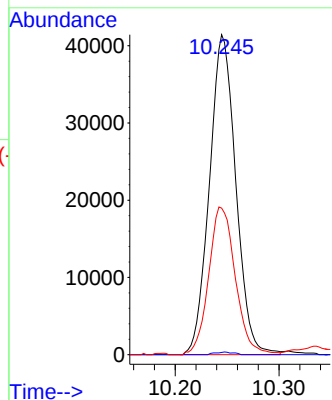
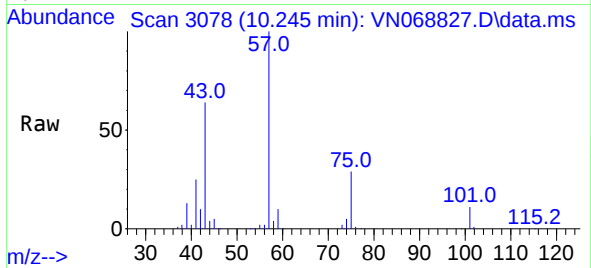




#54
cis-1,3-Dichloropropene
Concen: 8.28 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

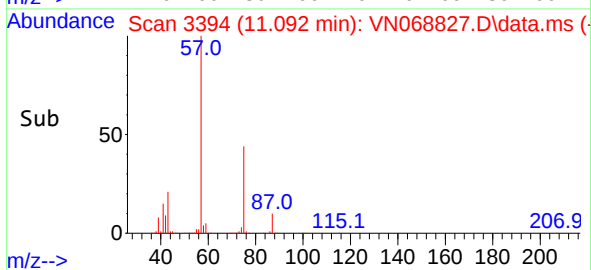
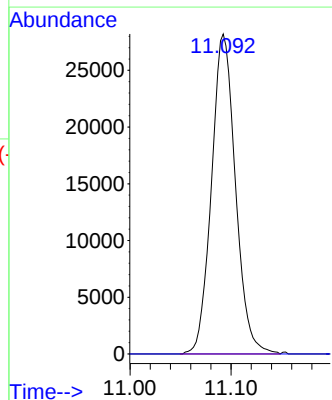
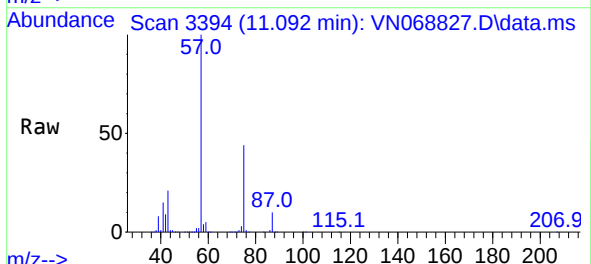
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

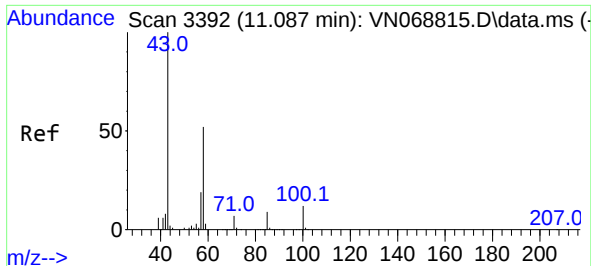
Tgt Ion: 75 Resp: 73176
Ion Ratio Lower Upper
75 100
77 0.7 24.6 37.0#
39 45.4 50.7 76.1#



#57
1,3-Dichloropropane
Concen: 4.98 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Tgt Ion: 76 Resp: 46502
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

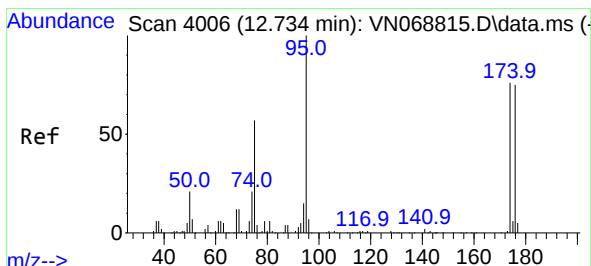
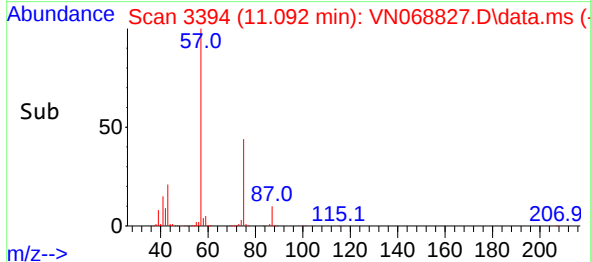
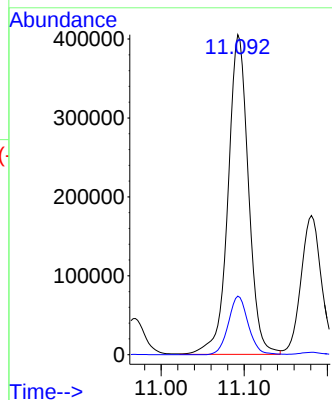
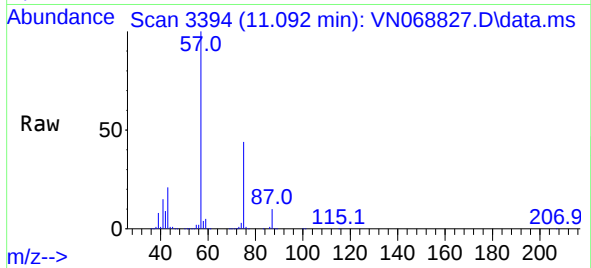




#59
2-Hexanone
Concen: 130.57 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

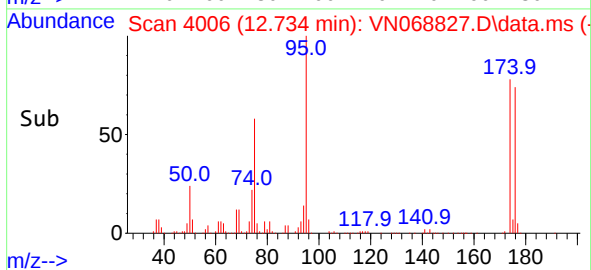
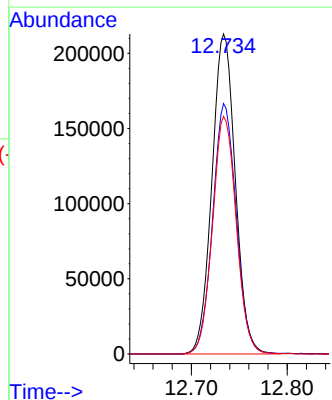
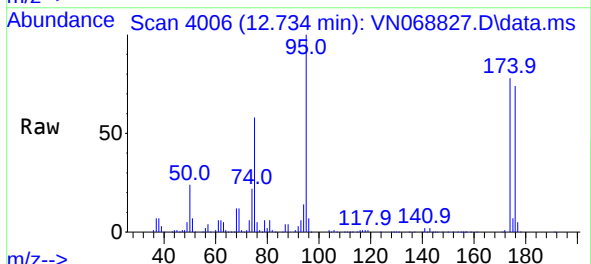
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

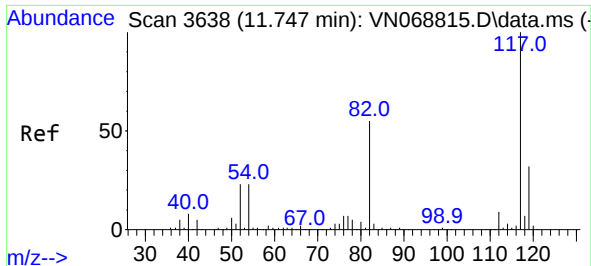
Tgt Ion: 43 Resp: 691078
Ion Ratio Lower Upper
43 100
58 17.9 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 44.87 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Tgt Ion: 95 Resp: 360575
Ion Ratio Lower Upper
95 100
174 79.0 0.0 122.0
176 75.3 0.0 117.6

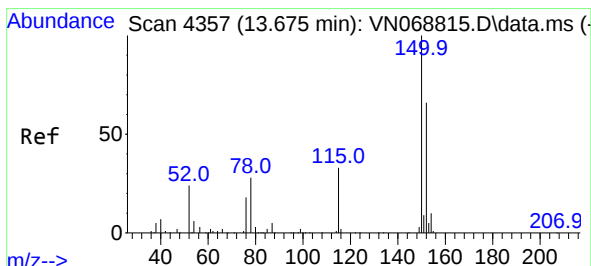
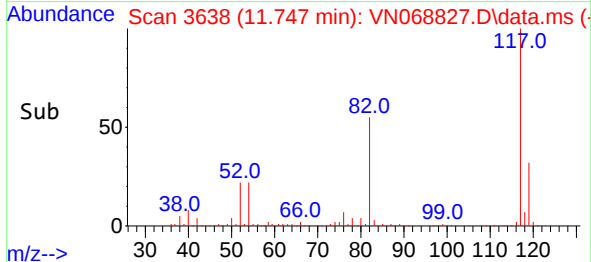
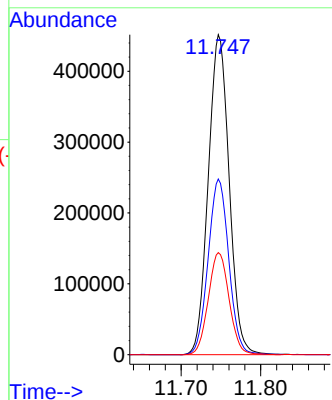
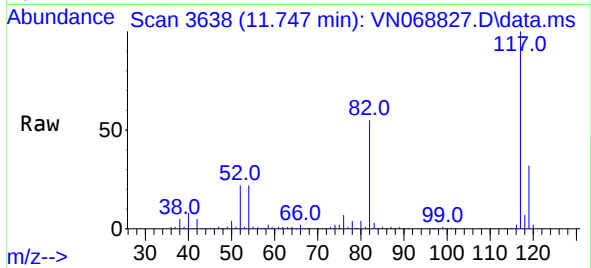




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

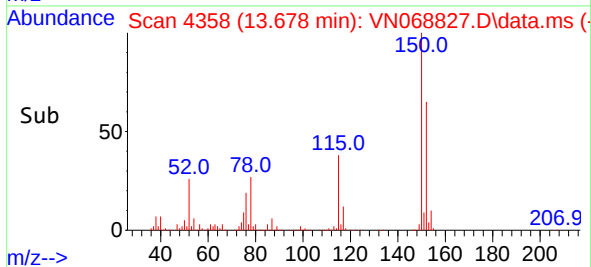
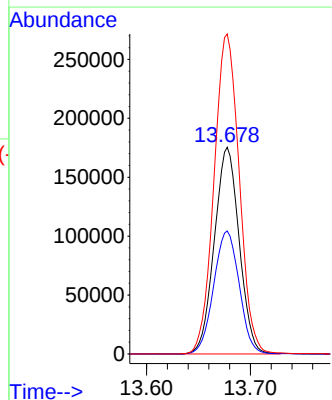
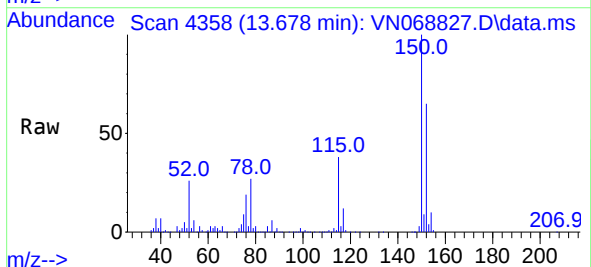
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

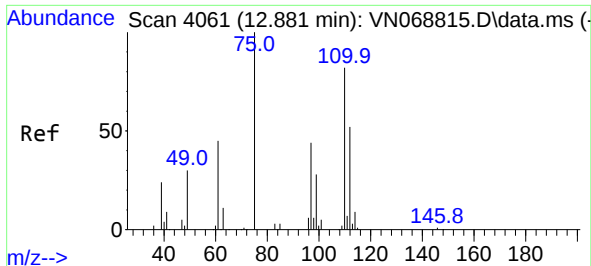
Tgt Ion:117 Resp: 824358
Ion Ratio Lower Upper
117 100
82 54.9 53.1 79.7
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Tgt Ion:152 Resp: 291517
Ion Ratio Lower Upper
152 100
115 61.2 36.1 108.5
150 157.1 0.0 351.8

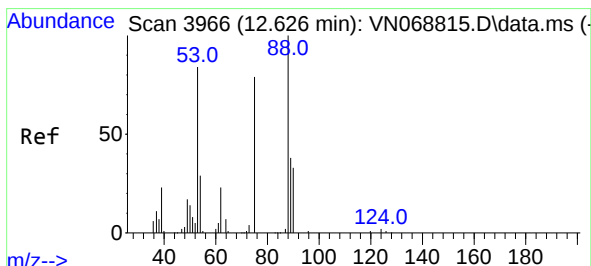
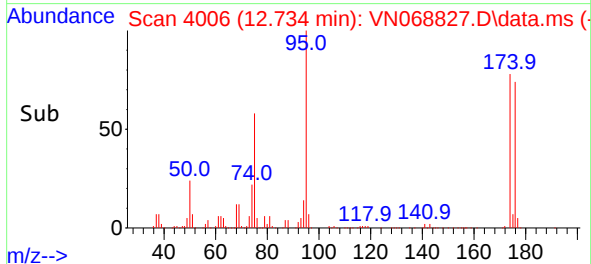
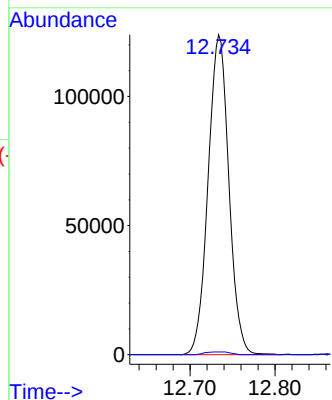
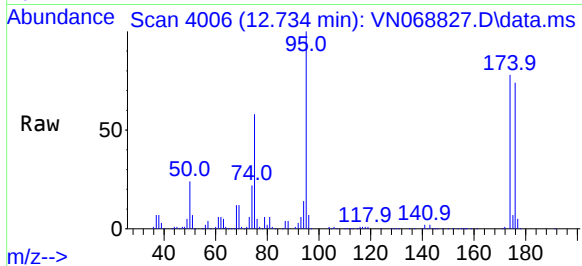




#76
1,2,3-Trichloropropane
Concen: 36.55 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

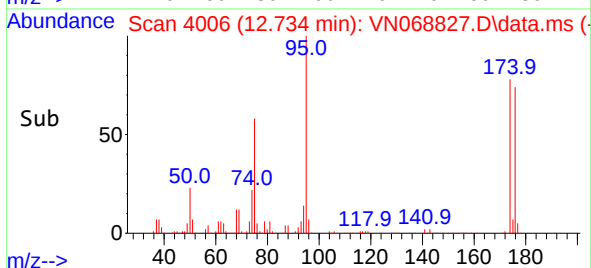
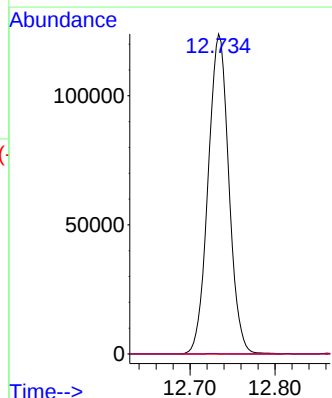
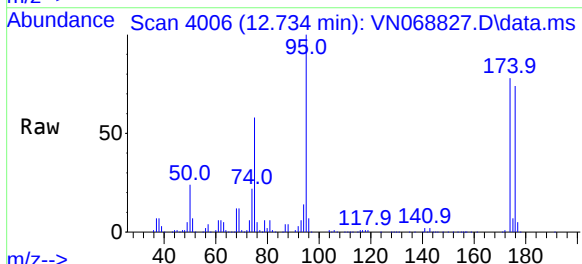
Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK

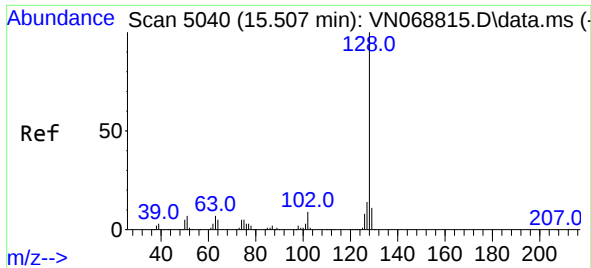
Tgt Ion: 75 Resp: 210045
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.89 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

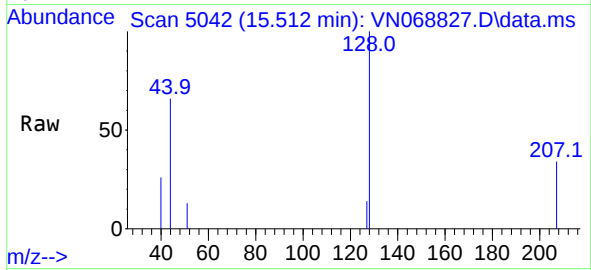
Tgt Ion: 75 Resp: 210045
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 0.20 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068827.D
Acq: 6 Oct 2021 19:06

Instrument :
MSVOA_N
ClientSampleId :
WC-20211005-ROCK



Tgt Ion:	128	Resp:	2354
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.6	15.8
129	1.1	8.6	12.8#

