

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054310.D
 Acq On : 30 May 2023 13:47
 Operator : JC/MD
 Sample : 02912-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPOW1-8-20230523

Quant Time: May 31 06:25:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

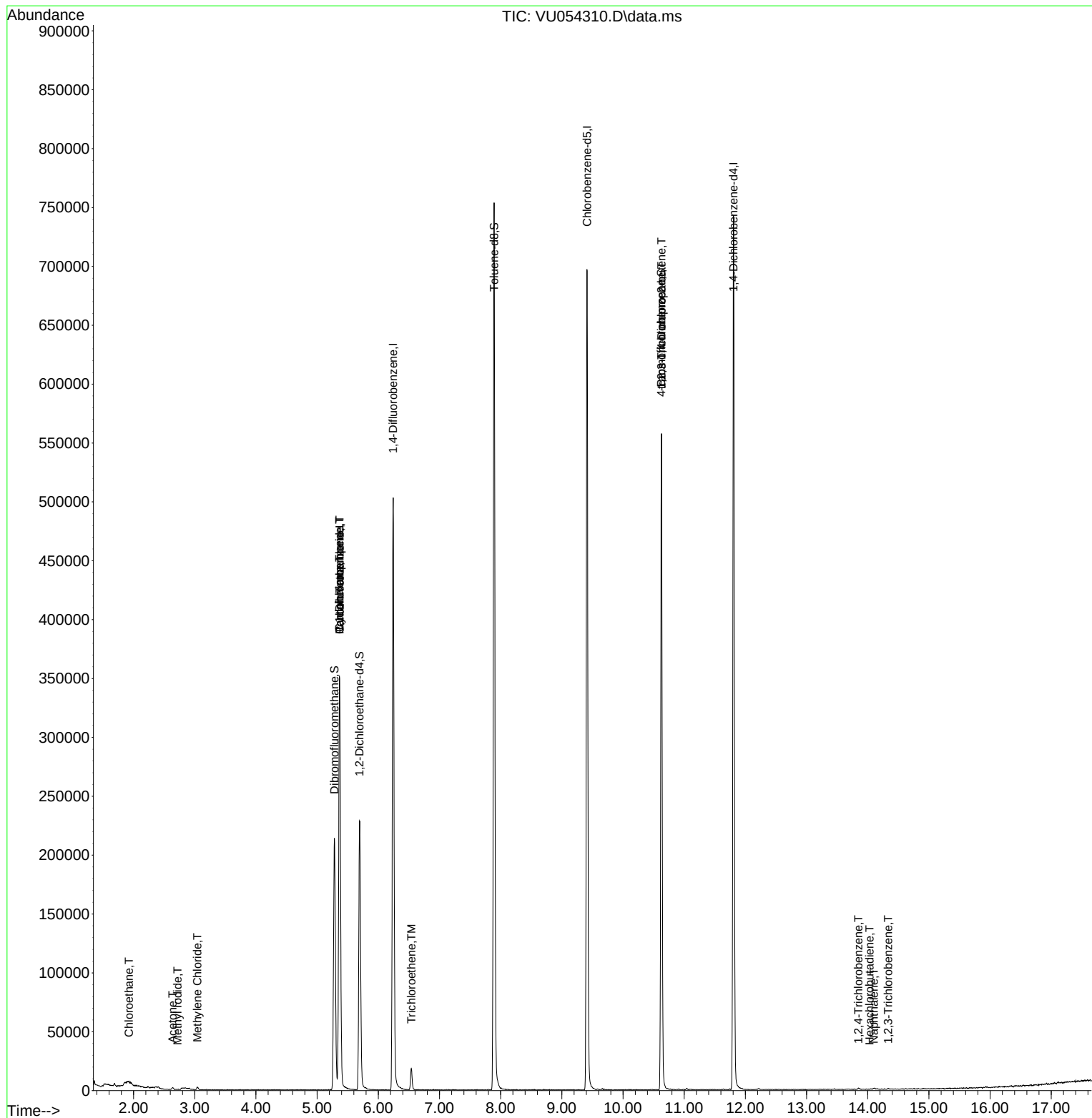
Internal Standards						
1) Pentafluorobenzene	5.369	168	257565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.244	114	417065	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	400493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	200437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	175703	52.038	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.080%			
35) Dibromofluoromethane	5.282	113	139750	52.033	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.060%			
50) Toluene-d8	7.893	98	517939	50.699	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.400%			
62) 4-Bromofluorobenzene	10.626	95	185938	46.940	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.880%			
Target Compounds						Qvalue
6) Chloroethane	1.922	64	351	0.203	ug/l #	44
10) Methyl Iodide	2.716	142	111	2.364	ug/l #	90
16) Acetone	2.639	43	1804	0.932	ug/l	93
20) Methylene Chloride	3.041	84	1206	0.345	ug/l #	85
31) Cyclohexane	5.366	56	4769	1.000	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	19991	4.739	ug/l #	47
38) Carbon Tetrachloride	5.369	117	24735	5.729	ug/l #	15
44) Trichloroethene	6.539	130	6481	1.927	ug/l	97
76) 1,2,3-Trichloropropane	10.629	75	93452	15.975	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.629	75	93452	60.831	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.845	180	464	1.741	ug/l	77
94) Hexachlorobutadiene	14.028	225	47	0.842	ug/l #	19
95) Naphthalene	14.102	128	1165	2.067	ug/l #	81
96) 1,2,3-Trichlorobenzene	14.333	180	402	1.340	ug/l #	82

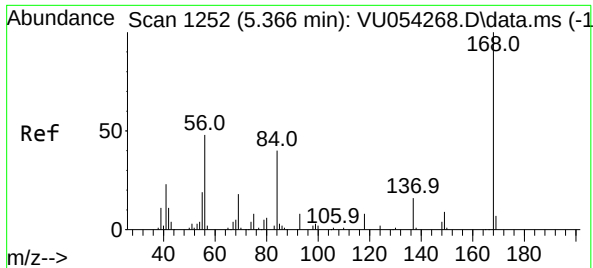
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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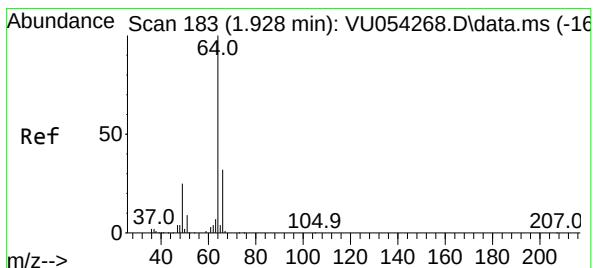
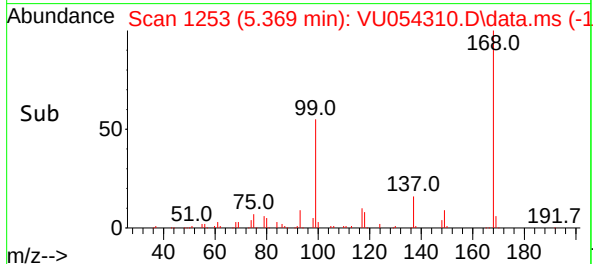
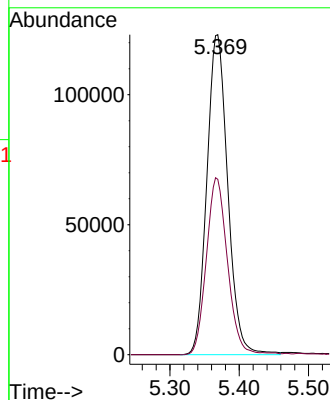
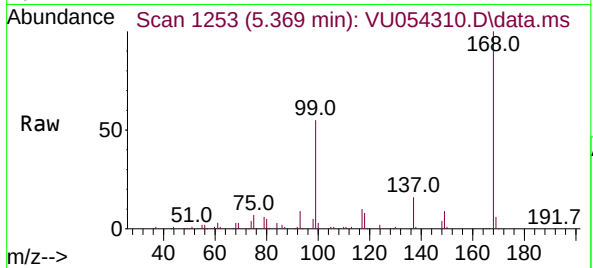




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

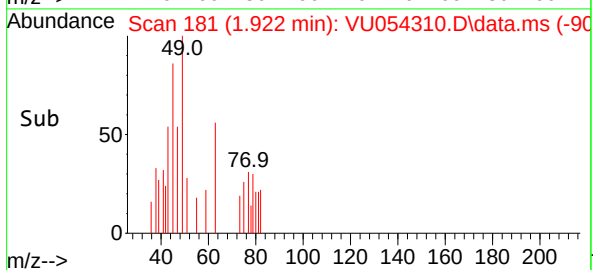
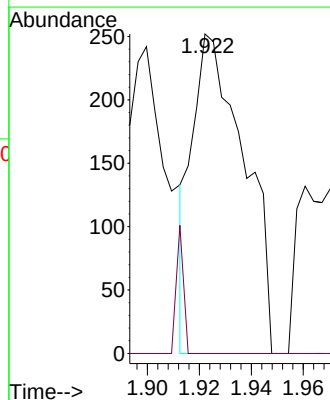
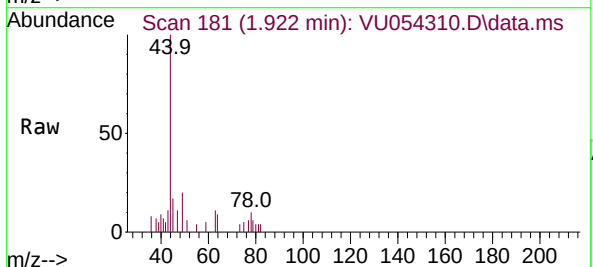
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-8-20230523

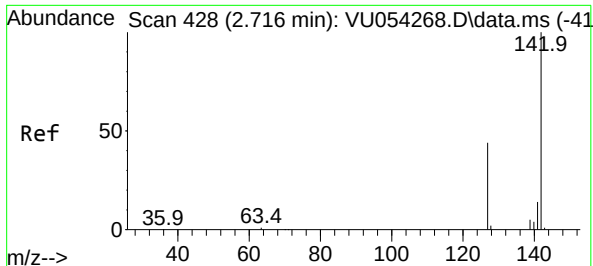
Tgt Ion:168 Resp: 257565
Ion Ratio Lower Upper
168 100
99 54.8 39.3 58.9



#6
Chloroethane
Concen: 0.203 ug/l
RT: 1.922 min Scan# 181
Delta R.T. -0.006 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

Tgt Ion: 64 Resp: 351
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

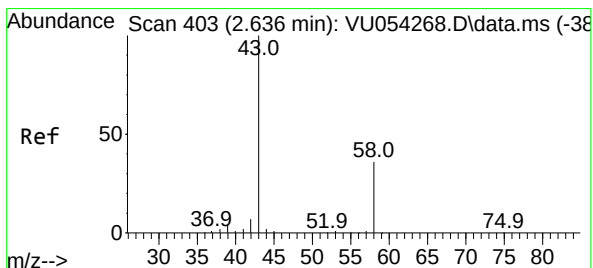
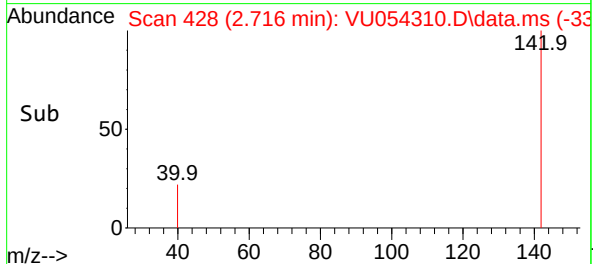
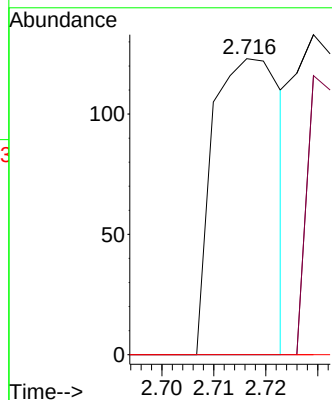
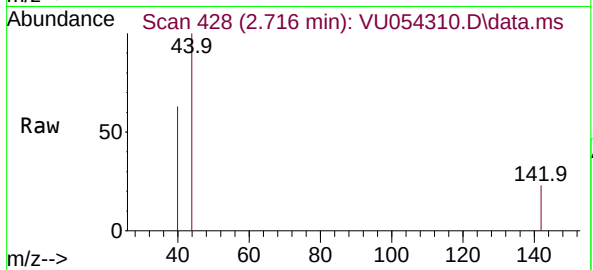




#10
Methyl Iodide
Concen: 2.364 ug/l
RT: 2.716 min Scan# 411
Delta R.T. 0.000 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

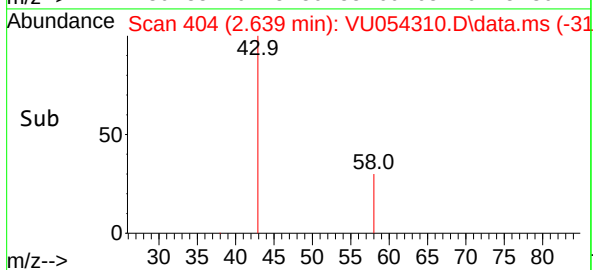
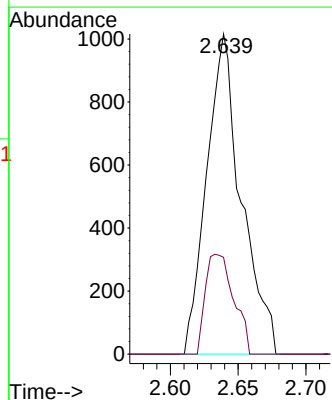
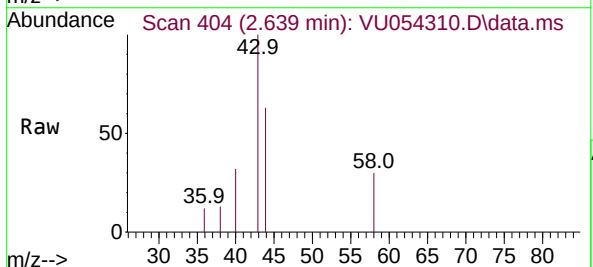
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-8-20230523

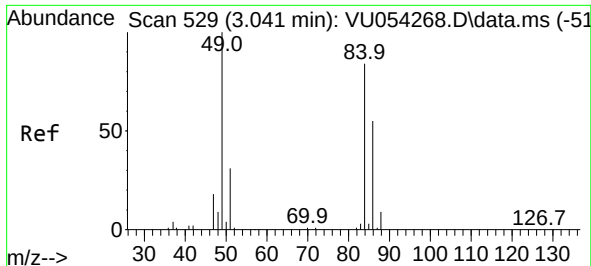
Tgt Ion:142 Resp: 111
Ion Ratio Lower Upper
142 100
127 39.6 32.5 48.7
141 0.0 11.4 17.0#



#16
Acetone
Concen: 0.932 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.003 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

Tgt Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
58 30.2 27.5 41.3

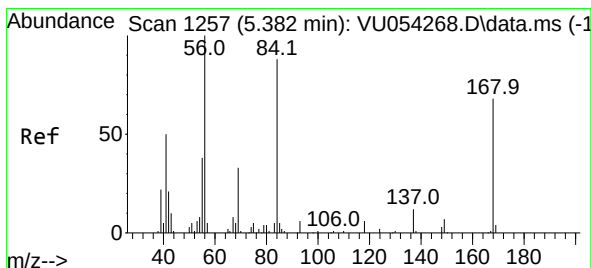
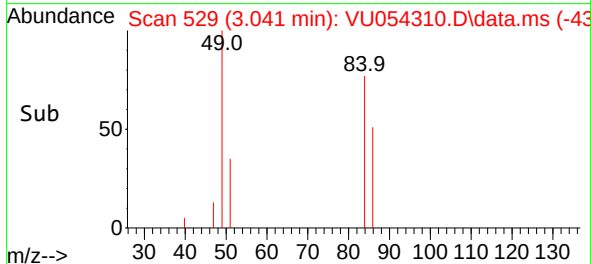
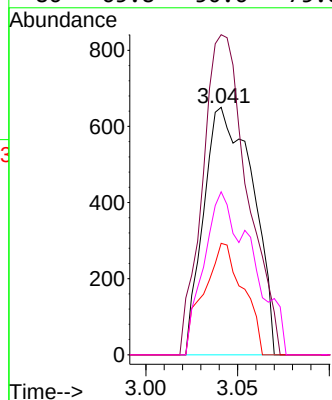
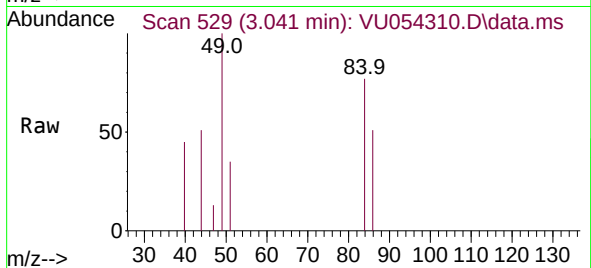




#20
Methylene Chloride
Concen: 0.345 ug/l
RT: 3.041 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

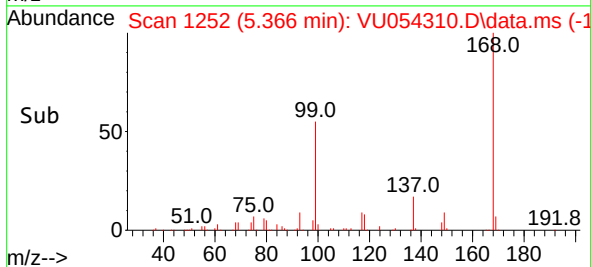
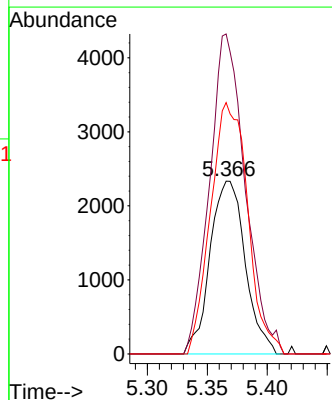
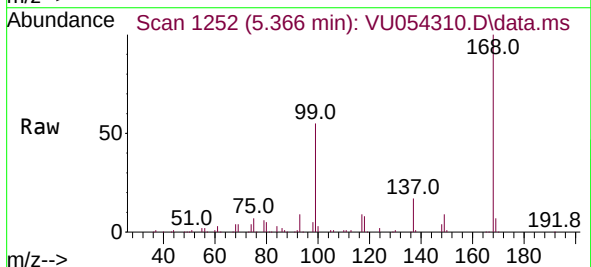
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-8-20230523

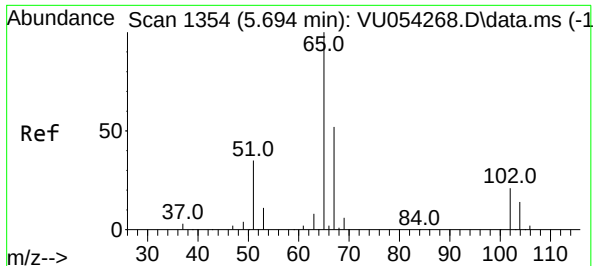
Tgt Ion:	84	Resp:	1206
Ion	Ratio	Lower	Upper
84	100		
49	129.4	86.6	129.8
51	45.1	26.6	40.0#
86	65.8	50.6	75.8



#31
Cyclohexane
Concen: 1.000 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.016 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

Tgt Ion:	56	Resp:	4769
Ion	Ratio	Lower	Upper
56	100		
69	185.2	27.8	41.8#
84	145.5	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 52.038 ug/l

RT: 5.694 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054310.D

Acq: 30 May 2023 13:47

Instrument :

MSVOA_U

ClientSampleId :

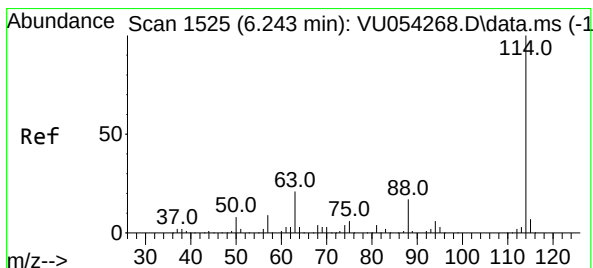
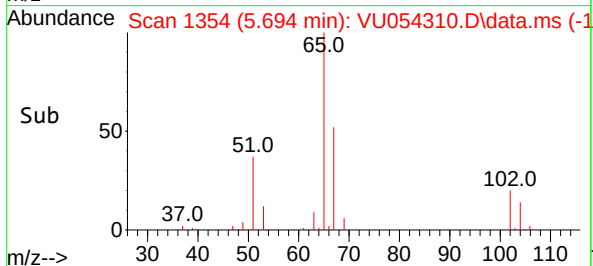
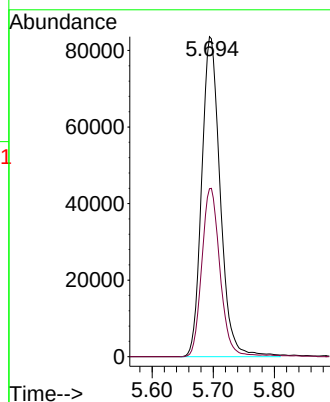
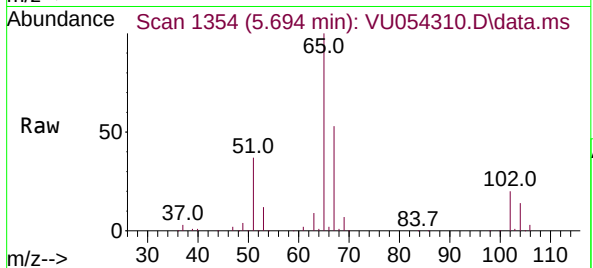
BPOW1-8-20230523

Tgt Ion: 65 Resp: 175703

Ion Ratio Lower Upper

65 100

67 51.7 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.244 min Scan# 1525

Delta R.T. 0.001 min

Lab File: VU054310.D

Acq: 30 May 2023 13:47

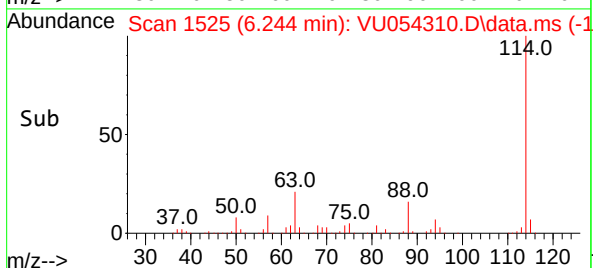
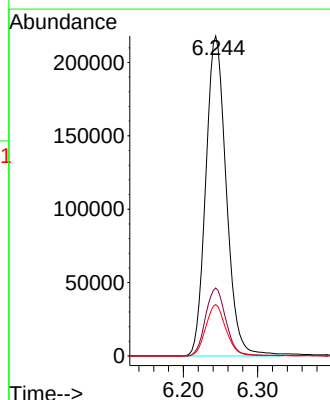
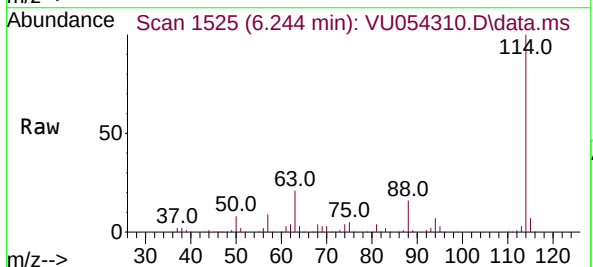
Tgt Ion: 114 Resp: 417065

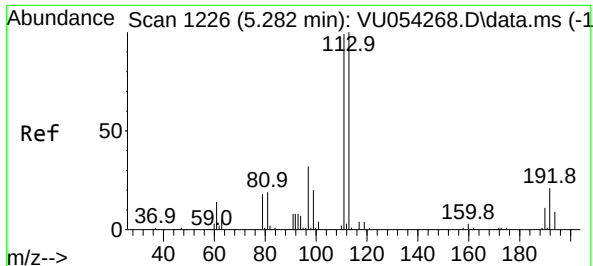
Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.8

88 16.1 0.0 29.2

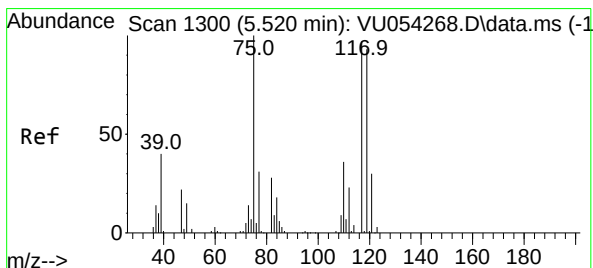
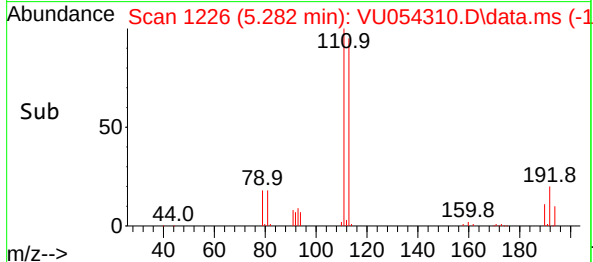
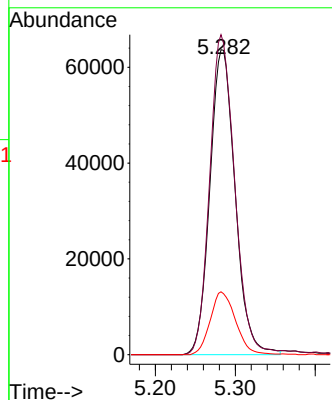
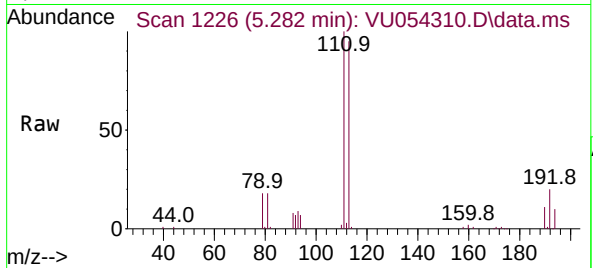




#35
Dibromofluoromethane
Concen: 52.033 ug/l
RT: 5.282 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

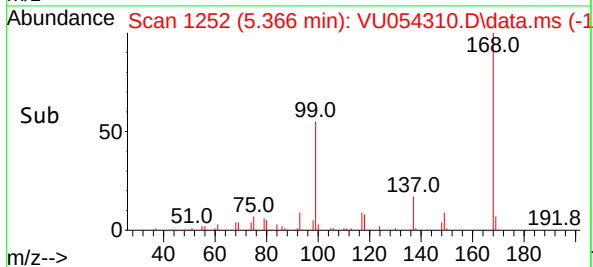
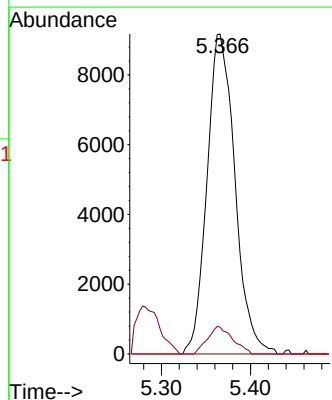
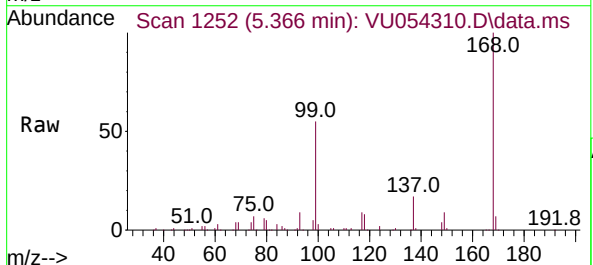
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-8-20230523

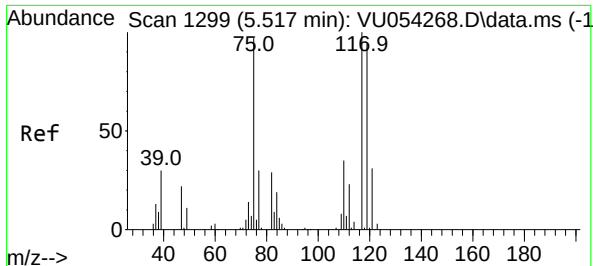
Tgt Ion:113 Resp: 139750
Ion Ratio Lower Upper
113 100
111 103.5 82.1 123.1
192 20.7 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.739 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.154 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

Tgt Ion: 75 Resp: 19991
Ion Ratio Lower Upper
75 100
110 7.7 18.4 55.2#
77 0.0 25.1 37.7#

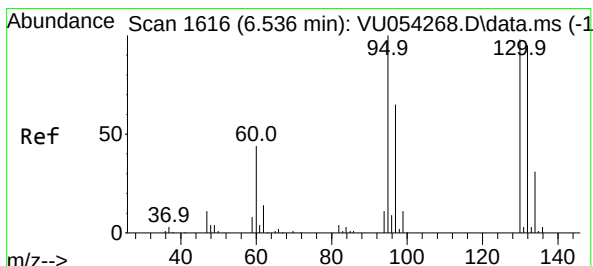
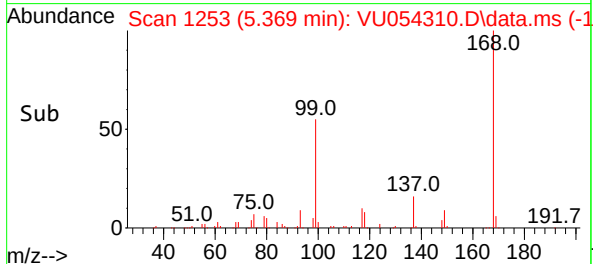
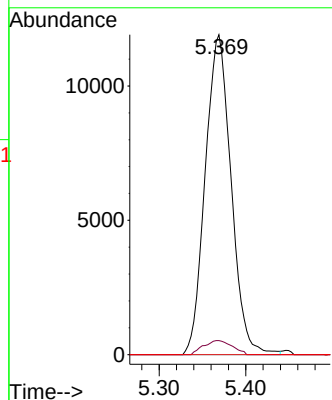
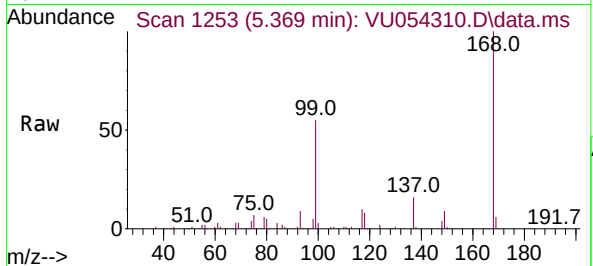




#38
Carbon Tetrachloride
Concen: 5.729 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

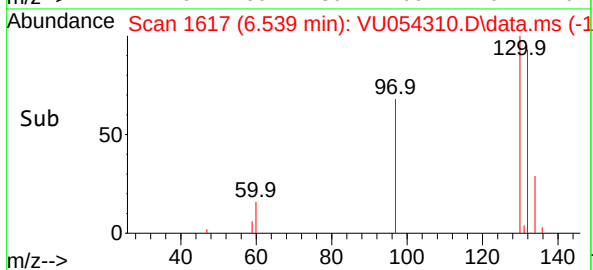
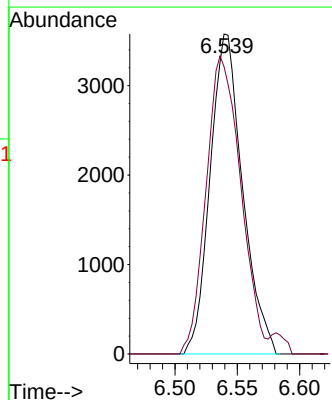
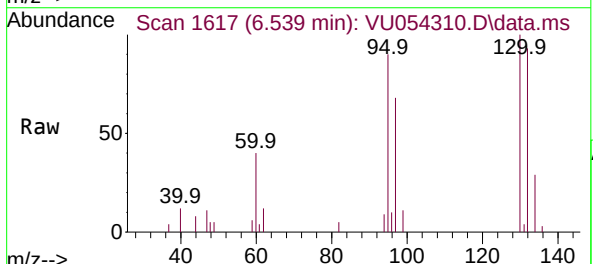
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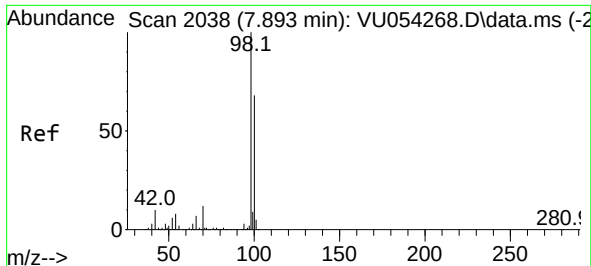
Tgt Ion:117 Resp: 24735
Ion Ratio Lower Upper
117 100
119 4.4 76.8 115.2#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 1.927 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

Tgt Ion:130 Resp: 6481
Ion Ratio Lower Upper
130 100
95 89.8 0.0 184.6

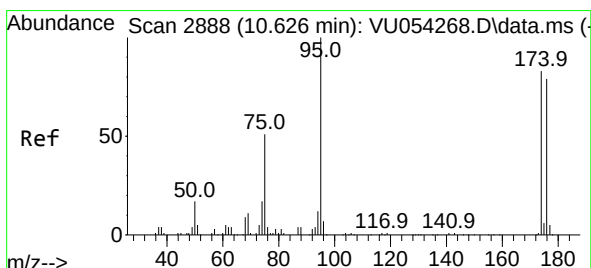
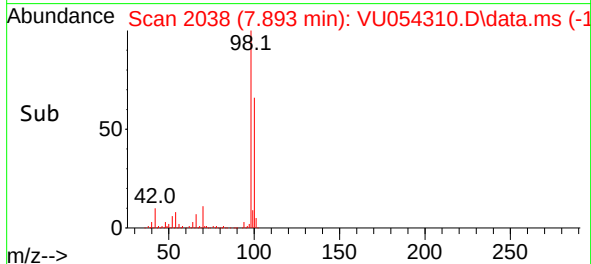
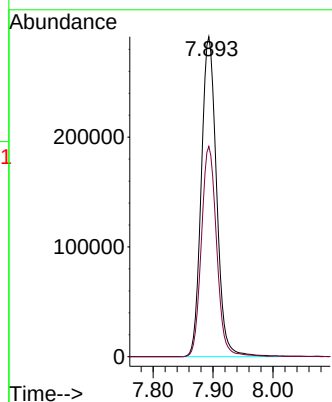
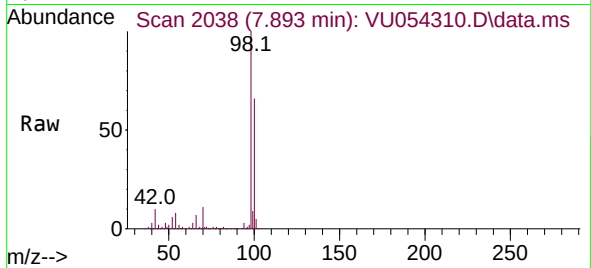




#50
Toluene-d8
Concen: 50.699 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

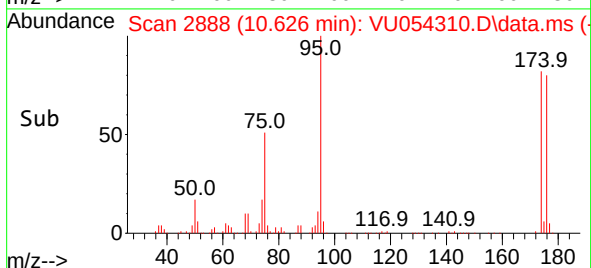
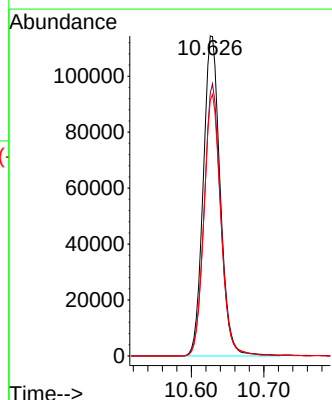
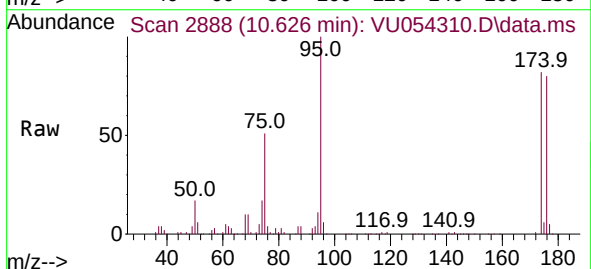
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-8-20230523

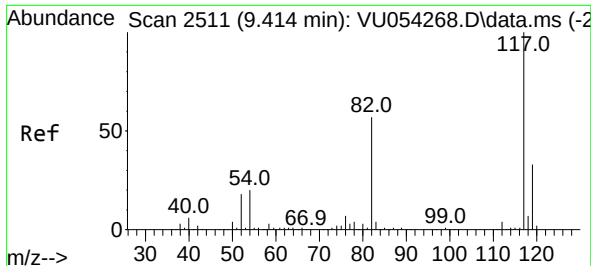
Tgt Ion: 98 Resp: 517939
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.940 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.000 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

Tgt Ion: 95 Resp: 185938
Ion Ratio Lower Upper
95 100
174 82.9 0.0 182.0
176 81.5 0.0 177.8

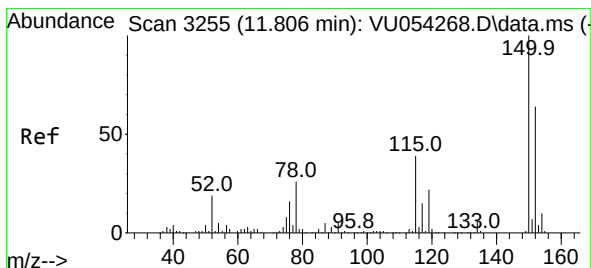
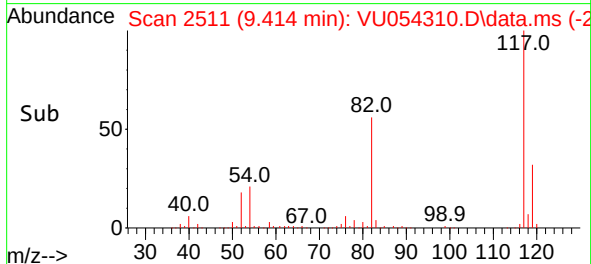
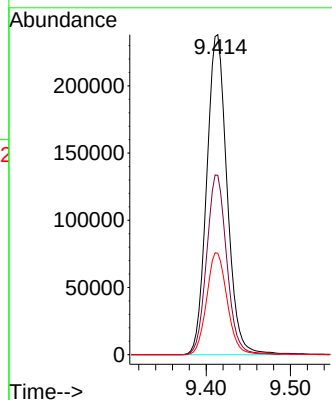
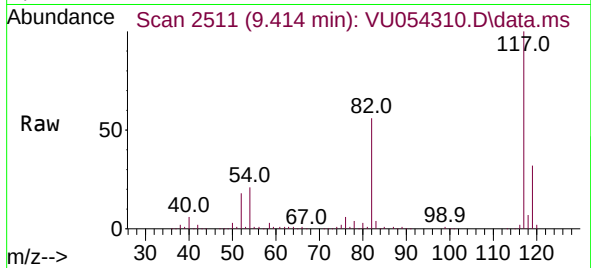




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

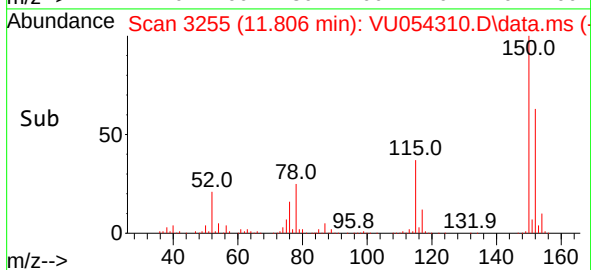
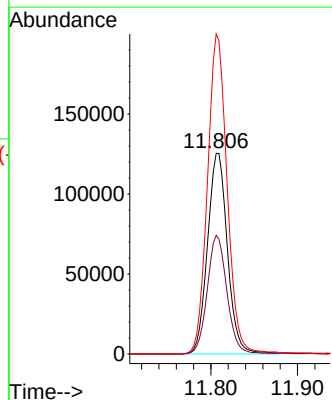
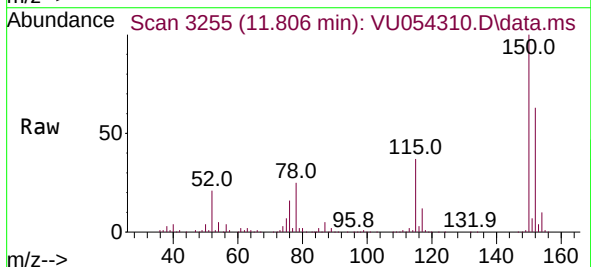
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-8-20230523

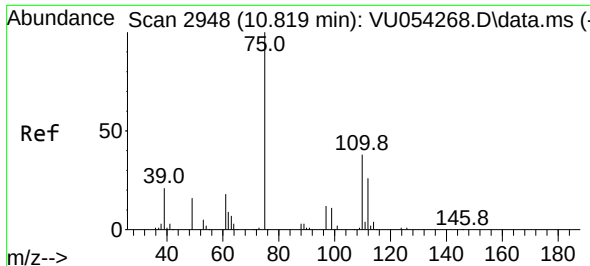
Tgt Ion:117 Resp: 400493
Ion Ratio Lower Upper
117 100
82 56.1 41.7 62.5
119 31.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

Tgt Ion:152 Resp: 200437
Ion Ratio Lower Upper
152 100
115 58.2 37.0 110.9
150 157.3 0.0 342.2

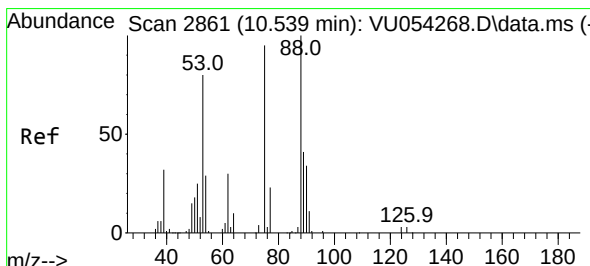
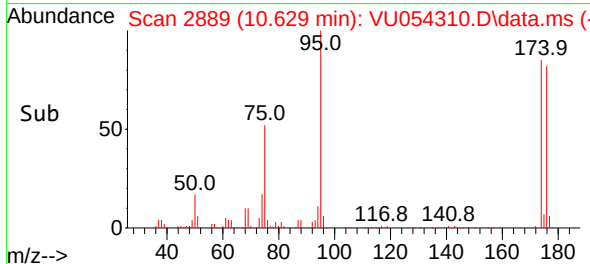
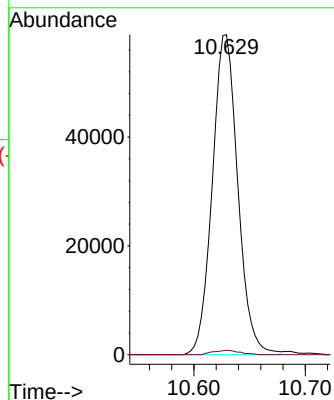
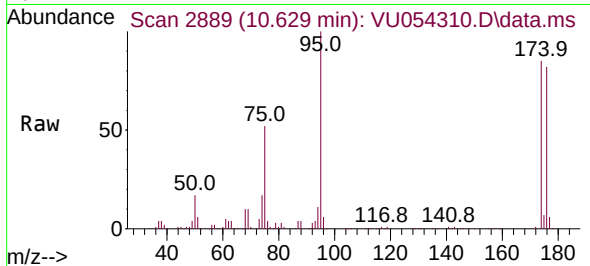




#76
1,2,3-Trichloropropane
Concen: 15.975 ug/l
RT: 10.629 min Scan# 21
Delta R.T. -0.190 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

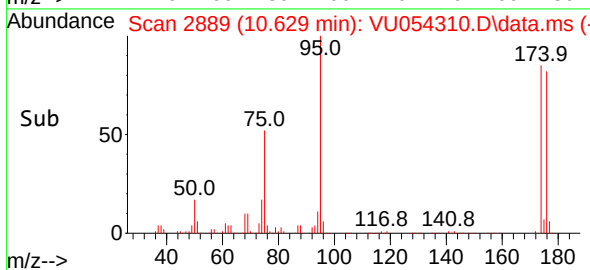
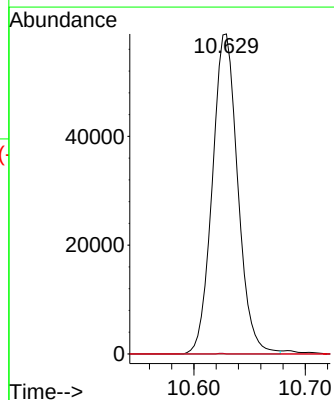
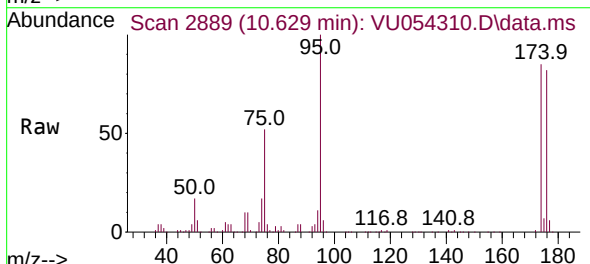
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-8-20230523

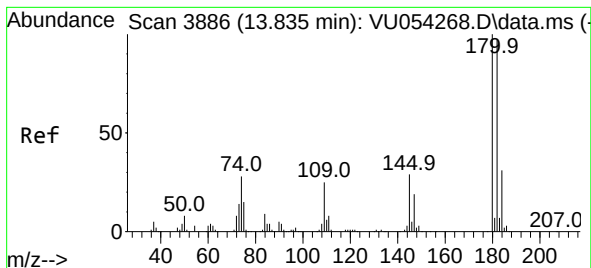
Tgt Ion: 75 Resp: 93452
Ion Ratio Lower Upper
75 100
77 1.4 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.831 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.090 min
Lab File: VU054310.D
Acq: 30 May 2023 13:47

Tgt Ion: 75 Resp: 93452
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#





#93

1,2,4-Trichlorobenzene

Concen: 1.741 ug/l

RT: 13.845 min Scan# 3889

Delta R.T. 0.009 min

Lab File: VU054310.D

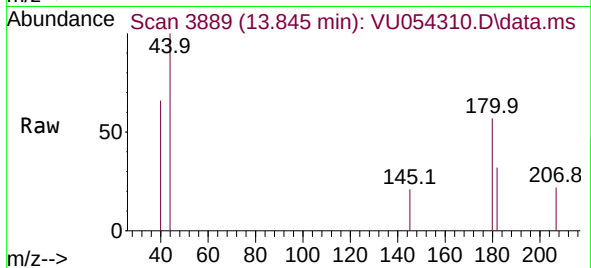
Acq: 30 May 2023 13:47

Instrument :

MSVOA_U

ClientSampleId :

BPOW1-8-20230523



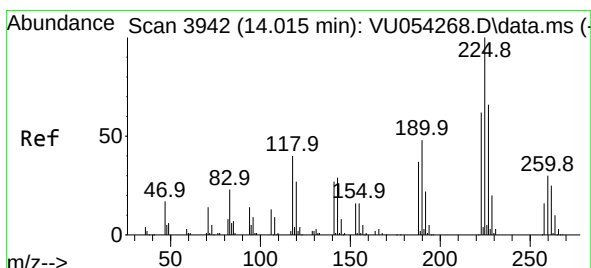
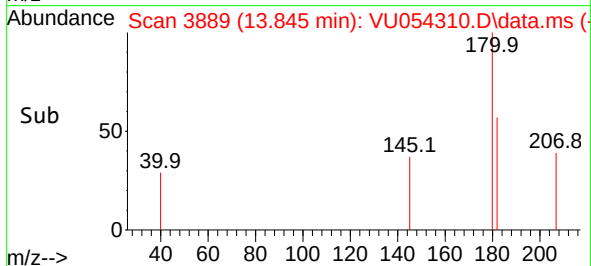
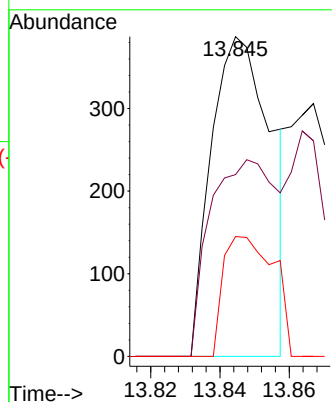
Tgt Ion:180 Resp: 464

Ion Ratio Lower Upper

180 100

182 68.3 47.9 143.6

145 31.7 14.0 41.9



#94

Hexachlorobutadiene

Concen: 0.842 ug/l

RT: 14.028 min Scan# 3946

Delta R.T. 0.013 min

Lab File: VU054310.D

Acq: 30 May 2023 13:47

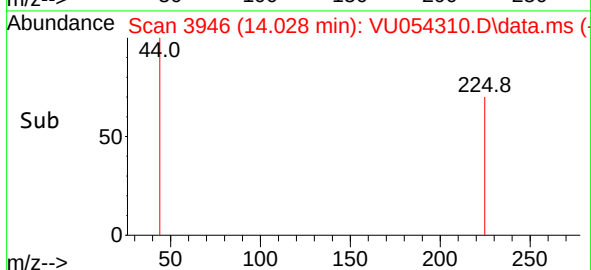
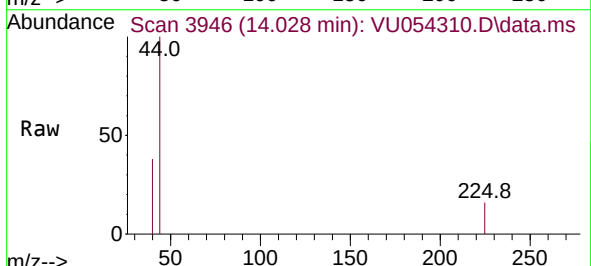
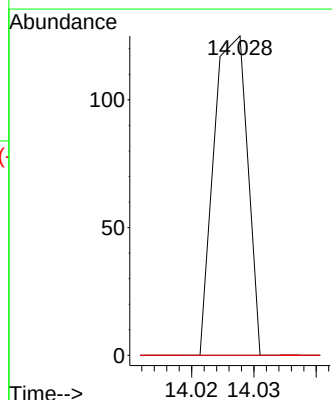
Tgt Ion:225 Resp: 47

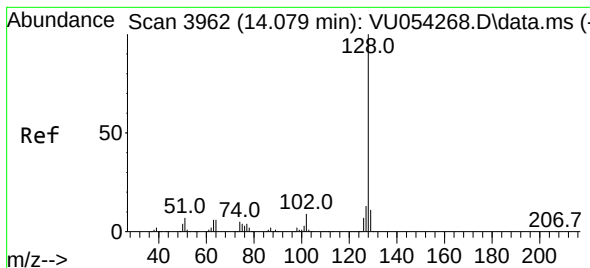
Ion Ratio Lower Upper

225 100

223 0.0 31.3 93.9#

227 0.0 32.0 96.2#





#95

Naphthalene

Concen: 2.067 ug/l

RT: 14.102 min Scan# 3969

Delta R.T. 0.023 min

Lab File: VU054310.D

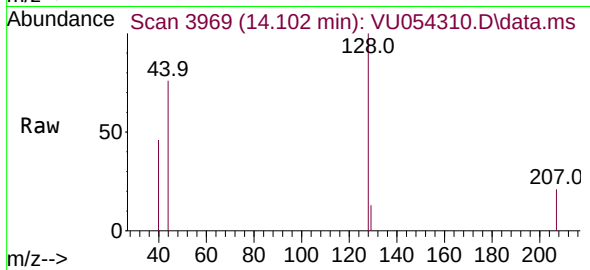
Acq: 30 May 2023 13:47

Instrument :

MSVOA_U

ClientSampleId :

BPOW1-8-20230523



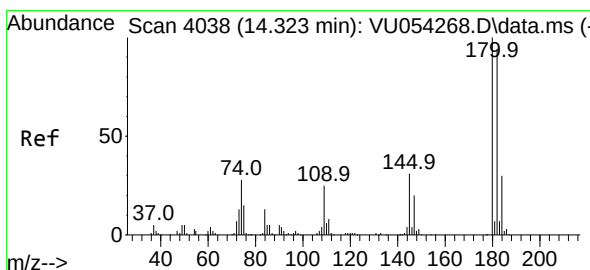
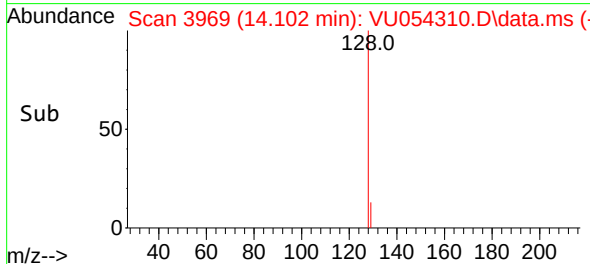
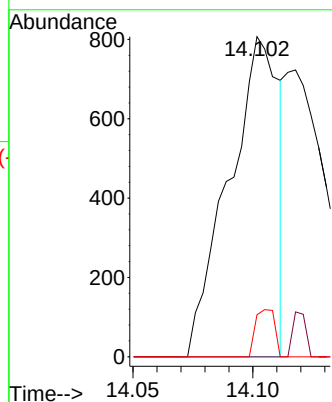
Tgt Ion:128 Resp: 1165

Ion Ratio Lower Upper

128 100

127 3.6 10.3 15.5#

129 5.7 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.340 ug/l

RT: 14.333 min Scan# 4041

Delta R.T. 0.010 min

Lab File: VU054310.D

Acq: 30 May 2023 13:47

Tgt Ion:180 Resp: 402

Ion Ratio Lower Upper

180 100

182 109.0 48.4 145.0

145 10.0 14.8 44.4#

