

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054307.D
 Acq On : 30 May 2023 12:36
 Operator : JC/MD
 Sample : 02912-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPOW1-7-20230523

Quant Time: May 31 06:24:39 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	254991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	423148	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	397735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	203037	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	172737	51.676	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.360%	
35) Dibromofluoromethane	5.282	113	138544	50.842	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.680%	
50) Toluene-d8	7.893	98	520213	50.190	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.380%	
62) 4-Bromofluorobenzene	10.629	95	185801	46.231	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.460%	

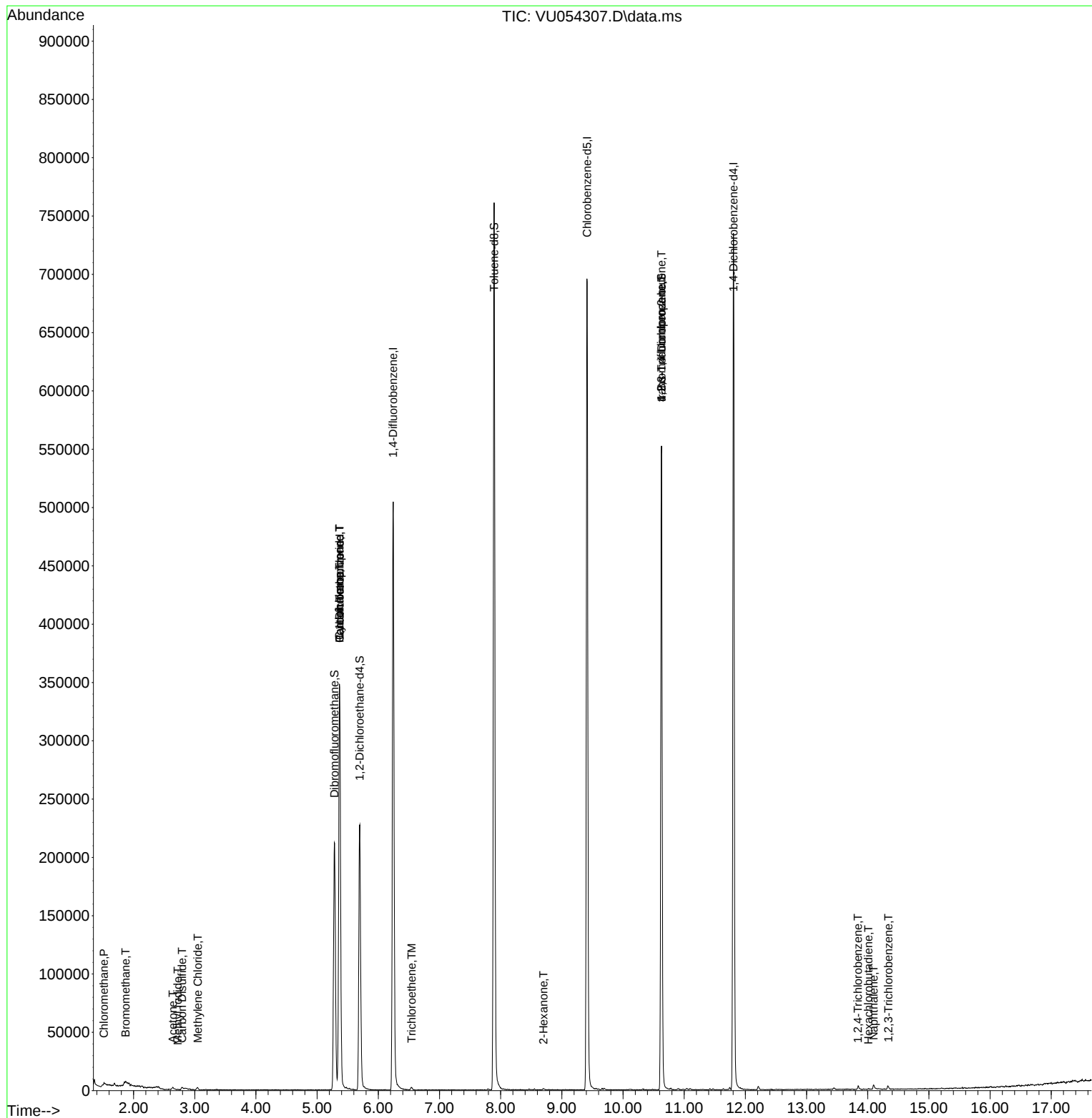
Target Compounds				Qvalue		
3) Chloromethane	1.517	50	763	0.205	ug/l	89
5) Bromomethane	1.867	94	616	0.313	ug/l #	34
10) Methyl Iodide	2.723	142	213	2.395	ug/l #	43
16) Acetone	2.642	43	2044	1.067	ug/l	98
17) Carbon Disulfide	2.793	76	1628	0.201	ug/l #	75
20) Methylene Chloride	3.047	84	1112	0.322	ug/l #	90
31) Cyclohexane	5.366	56	4871	1.032	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	19682	4.599	ug/l #	48
38) Carbon Tetrachloride	5.369	117	24747	5.649	ug/l #	16
44) Trichloroethene	6.546	130	892	0.261	ug/l	91
59) 2-Hexanone	8.700	43	840	0.221	ug/l	72
76) 1,2,3-Trichloropropane	10.629	75	94244	15.904	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.629	75	94244	60.561	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.838	180	533	1.754	ug/l #	1
94) Hexachlorobutadiene	14.012	225	330	0.970	ug/l #	47
95) Naphthalene	14.095	128	4253	2.263	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.340	180	1519	1.575	ug/l #	78

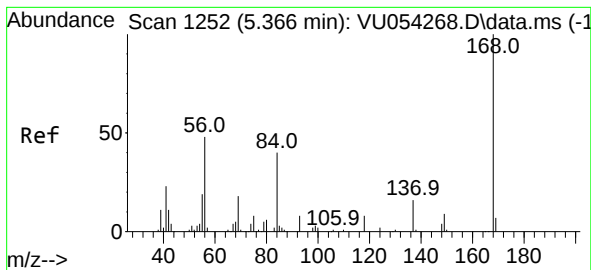
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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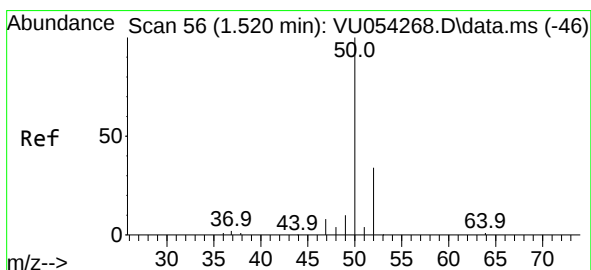
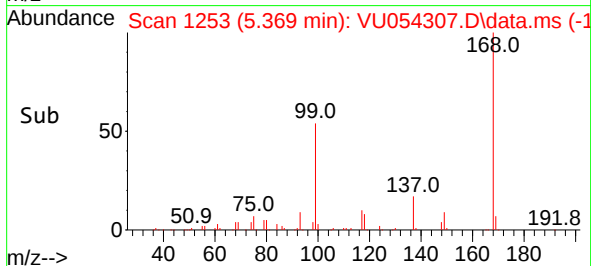
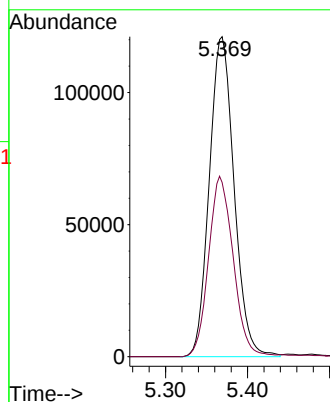
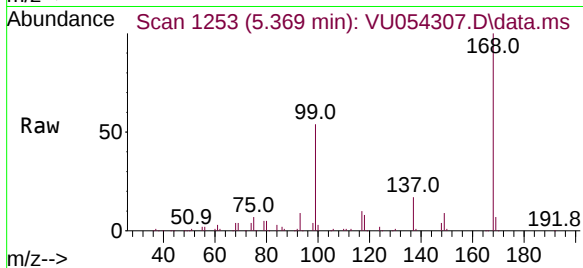




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

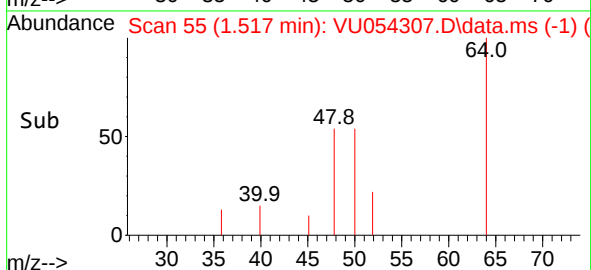
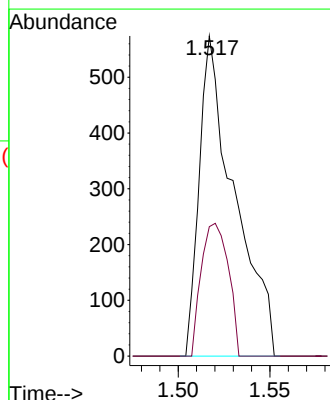
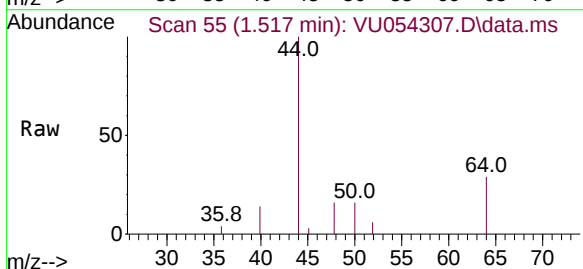
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-7-20230523

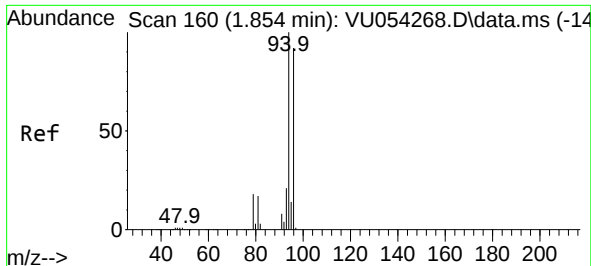
Tgt Ion:168 Resp: 254991
Ion Ratio Lower Upper
168 100
99 54.5 39.3 58.9



#3
Chloromethane
Concen: 0.205 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

Tgt Ion: 50 Resp: 763
Ion Ratio Lower Upper
50 100
52 40.4 27.4 41.2

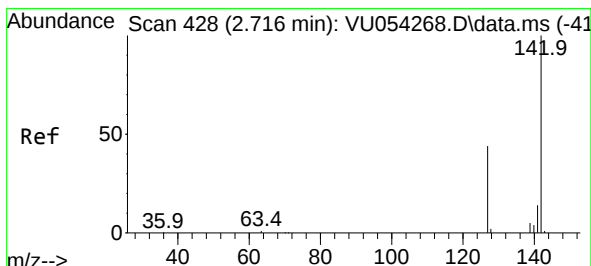
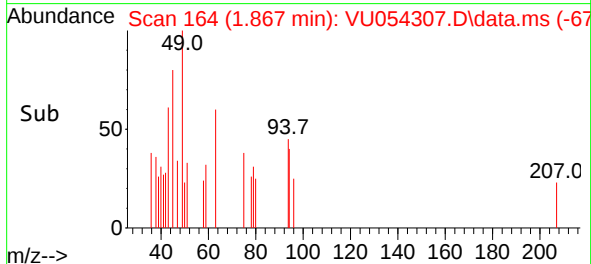
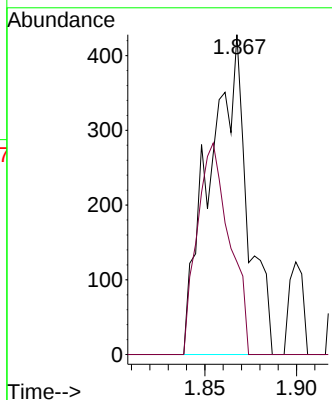
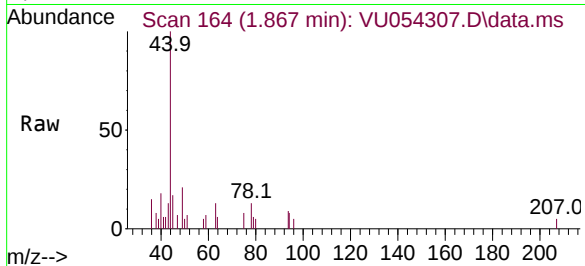




#5
Bromomethane
Concen: 0.313 ug/l
RT: 1.867 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

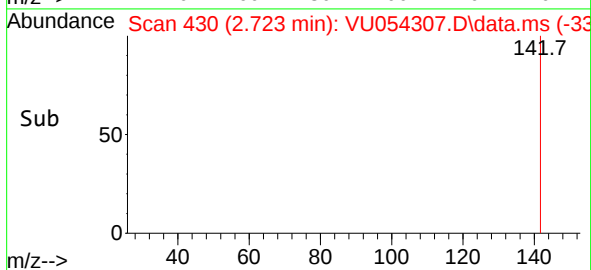
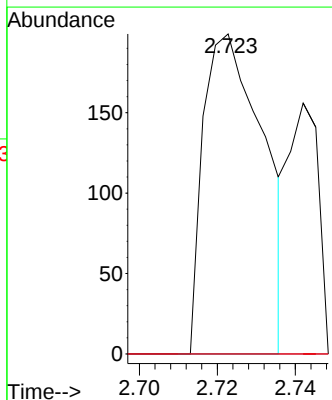
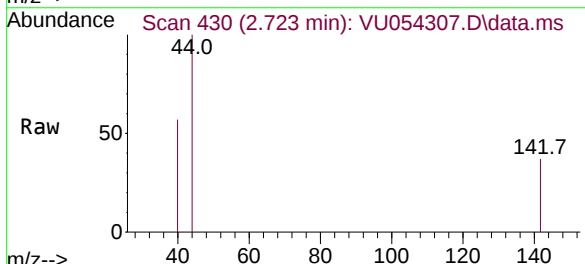
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-7-20230523

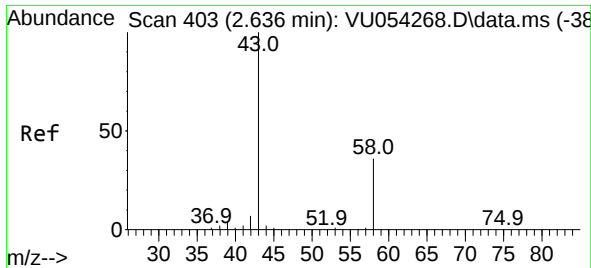
Tgt Ion: 94 Resp: 616
Ion Ratio Lower Upper
94 100
96 29.0 73.7 110.5#



#10
Methyl Iodide
Concen: 2.395 ug/l
RT: 2.723 min Scan# 430
Delta R.T. 0.007 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

Tgt Ion: 142 Resp: 213
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#





#16

Acetone

Concen: 1.067 ug/l

RT: 2.642 min Scan# 405

Delta R.T. 0.006 min

Lab File: VU054307.D

Acq: 30 May 2023 12:36

Instrument :

MSVOA_U

ClientSampleId :

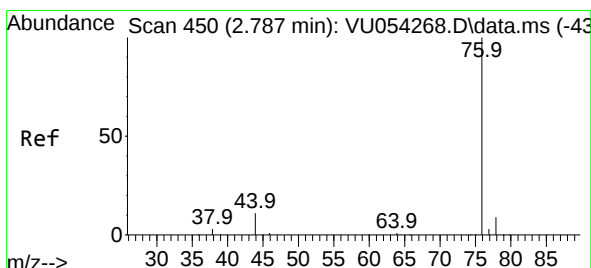
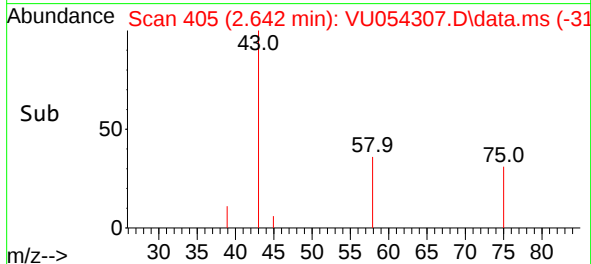
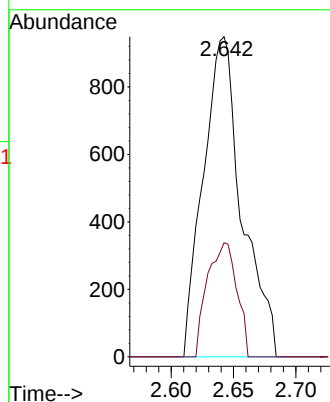
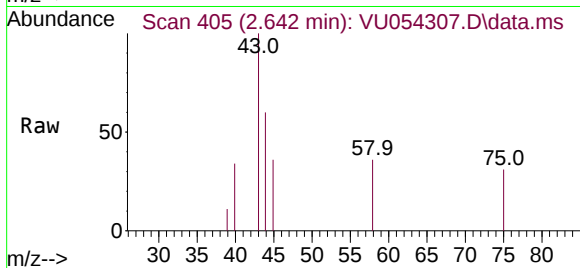
BPOW1-7-20230523

Tgt Ion: 43 Resp: 2044

Ion Ratio Lower Upper

43 100

58 35.6 27.5 41.3



#17

Carbon Disulfide

Concen: 0.201 ug/l

RT: 2.793 min Scan# 452

Delta R.T. 0.006 min

Lab File: VU054307.D

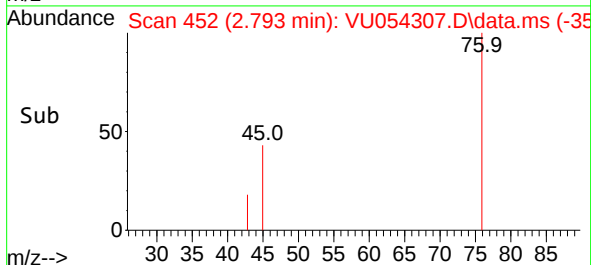
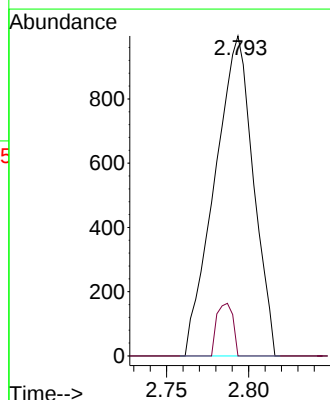
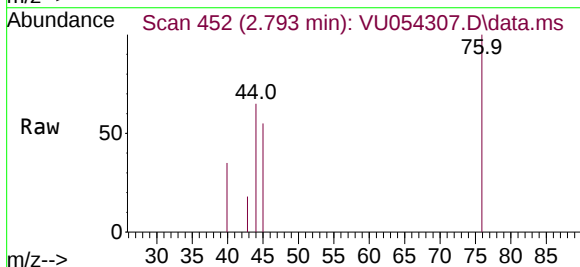
Acq: 30 May 2023 12:36

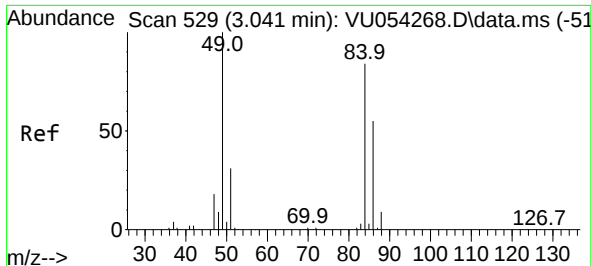
Tgt Ion: 76 Resp: 1628

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

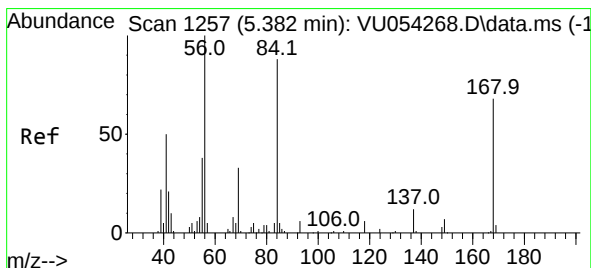
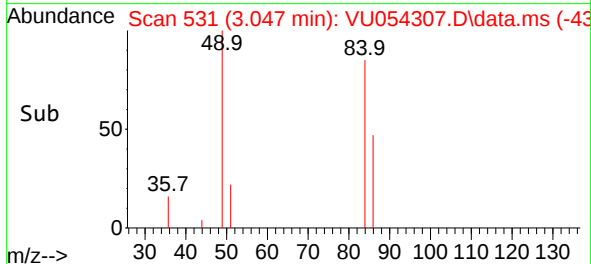
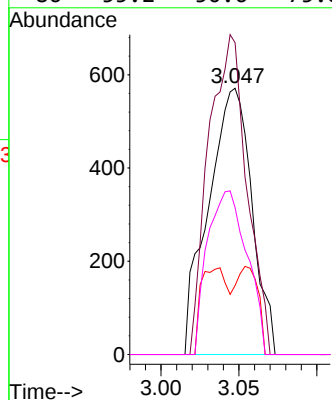
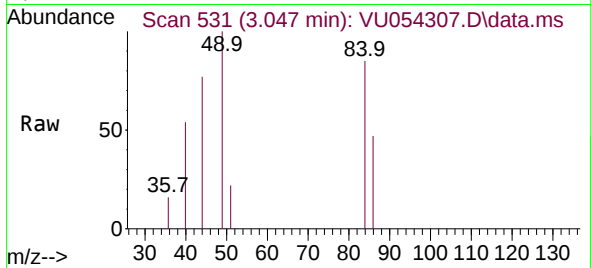




#20
Methylene Chloride
Concen: 0.322 ug/l
RT: 3.047 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

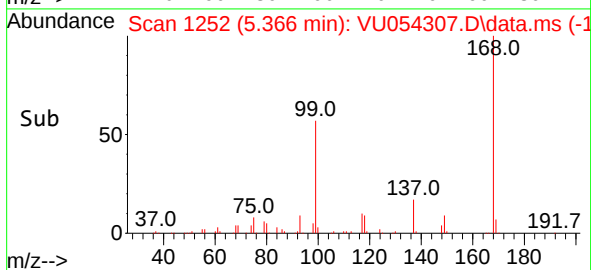
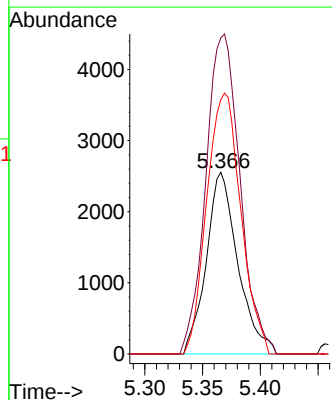
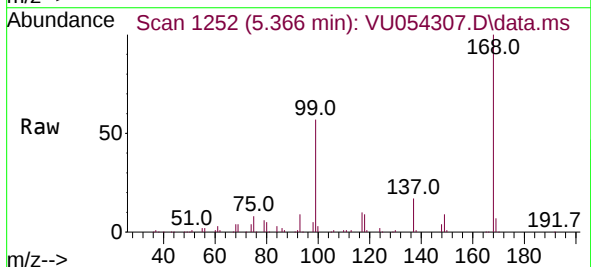
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-7-20230523

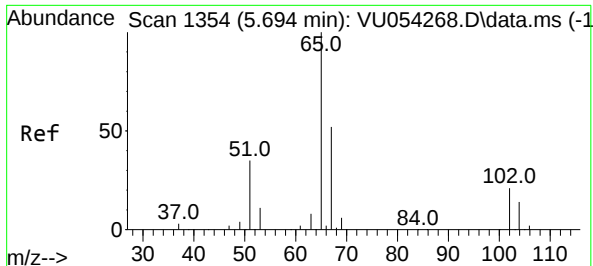
Tgt Ion:	84	Resp:	1112
Ion	Ratio	Lower	Upper
84	100		
49	117.2	86.6	129.8
51	25.9	26.6	40.0#
86	55.2	50.6	75.8



#31
Cyclohexane
Concen: 1.032 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.016 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

Tgt Ion:	56	Resp:	4871
Ion	Ratio	Lower	Upper
56	100		
69	174.0	27.8	41.8#
84	140.1	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 51.676 ug/l

RT: 5.697 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054307.D

Acq: 30 May 2023 12:36

Instrument :

MSVOA_U

ClientSampleId :

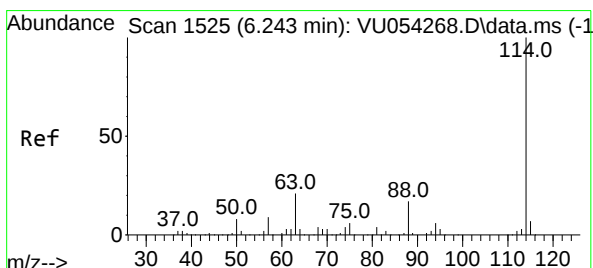
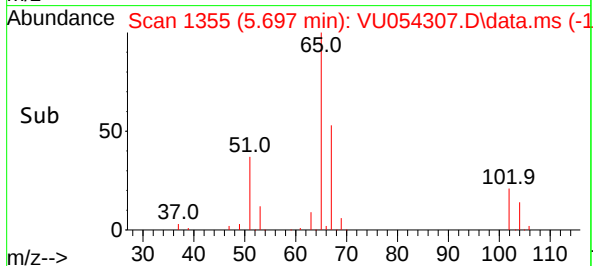
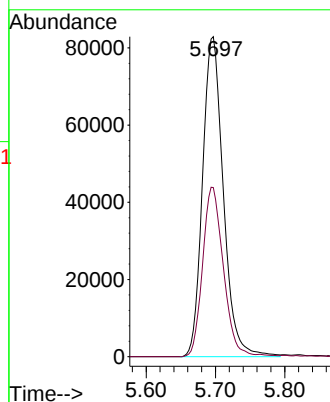
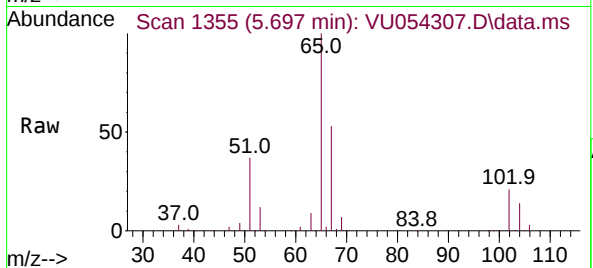
BPOW1-7-20230523

Tgt Ion: 65 Resp: 172737

Ion Ratio Lower Upper

65 100

67 52.5 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VU054307.D

Acq: 30 May 2023 12:36

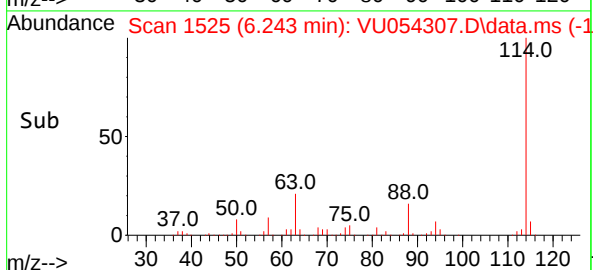
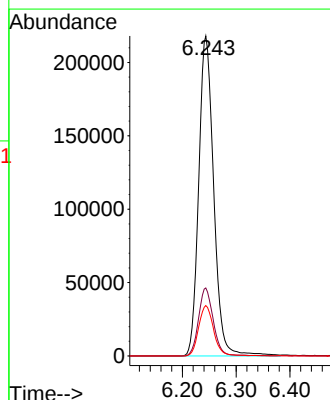
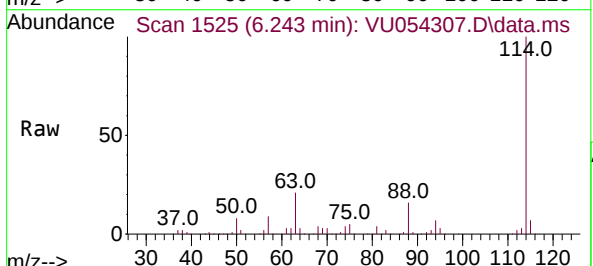
Tgt Ion: 114 Resp: 423148

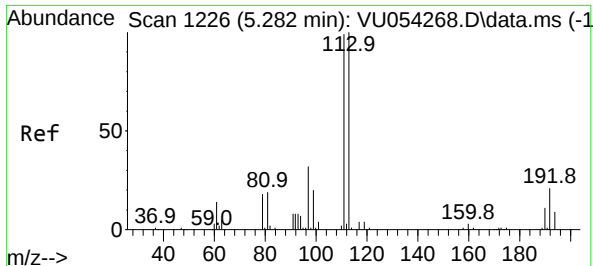
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.8

88 15.7 0.0 29.2

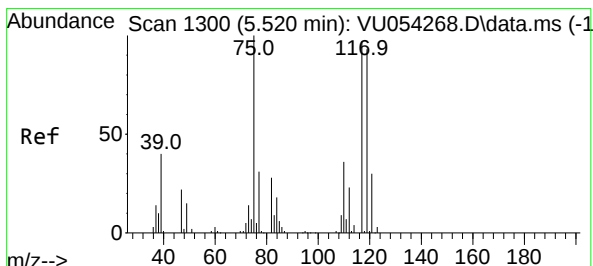
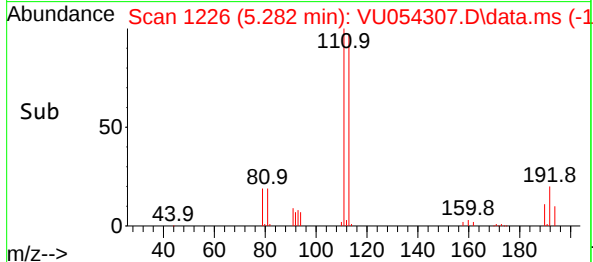
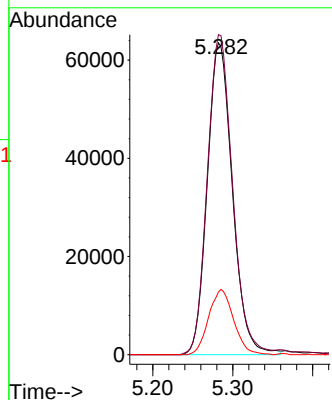
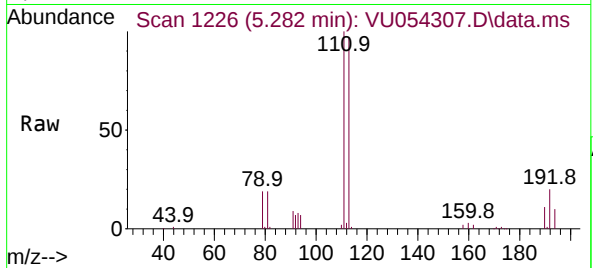




#35
Dibromofluoromethane
Concen: 50.842 ug/l
RT: 5.282 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

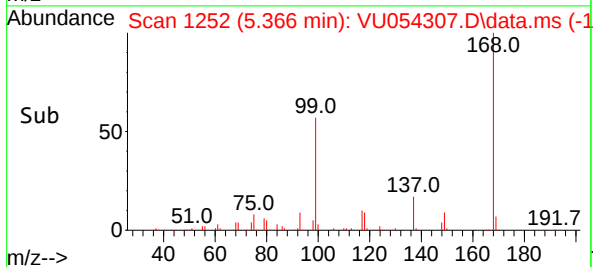
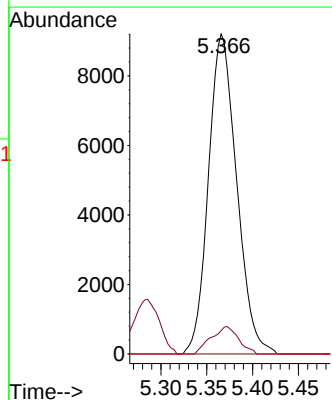
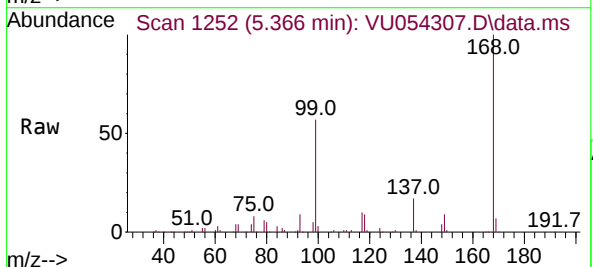
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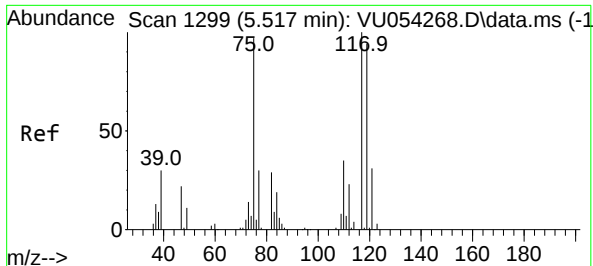
Tgt Ion:113 Resp: 138544
Ion Ratio Lower Upper
113 100
111 102.9 82.1 123.1
192 20.8 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.154 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

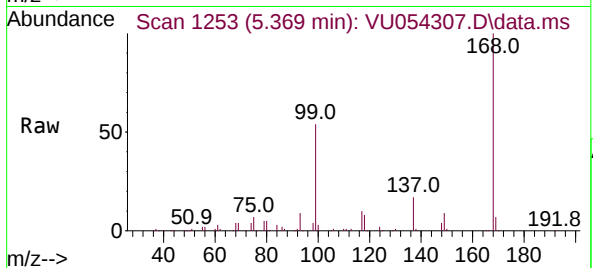
Tgt Ion: 75 Resp: 19682
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 25.1 37.7#



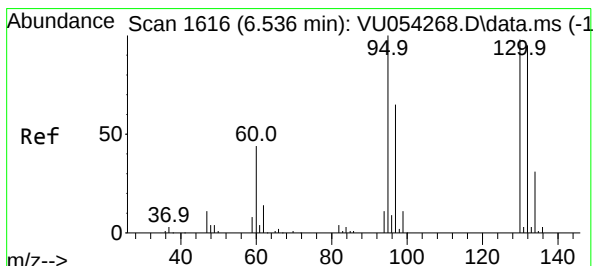
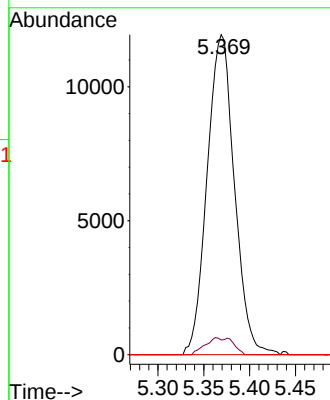
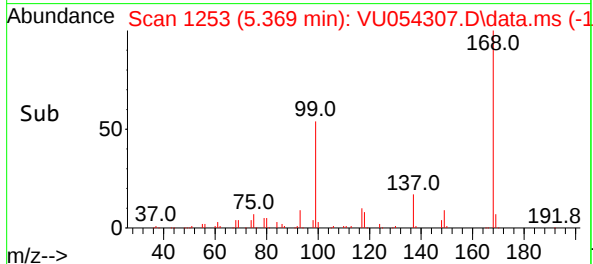


#38
Carbon Tetrachloride
Concen: 5.649 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

Instrument :
MSVOA_U
ClientSampleId :
BPOW1-7-20230523

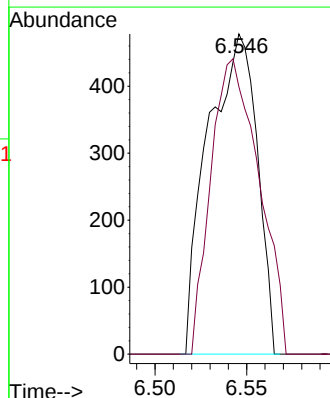
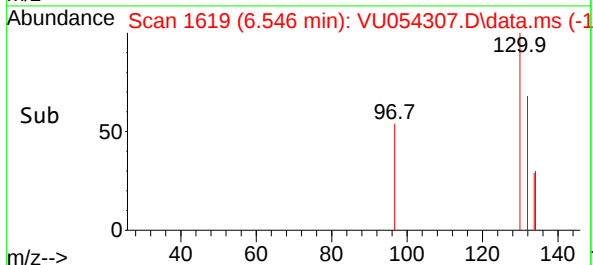
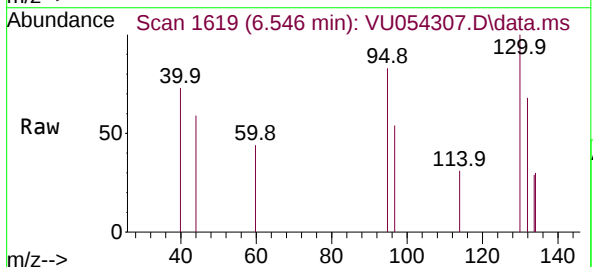


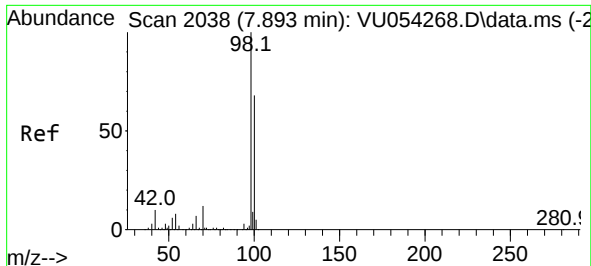
Tgt Ion:117 Resp: 24747
Ion Ratio Lower Upper
117 100
119 4.6 76.8 115.2#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 0.261 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. 0.010 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

Tgt Ion:130 Resp: 892
Ion Ratio Lower Upper
130 100
95 83.5 0.0 184.6

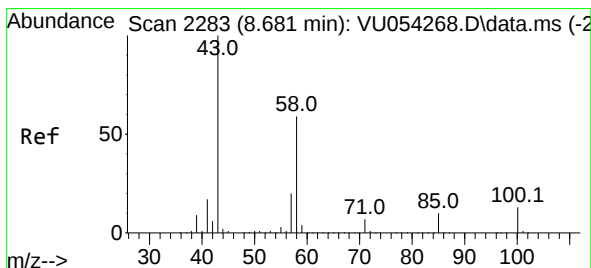
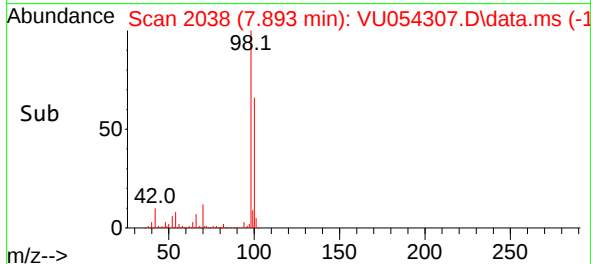
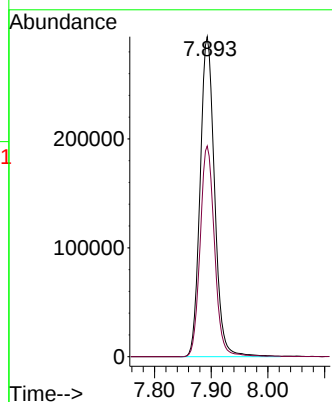
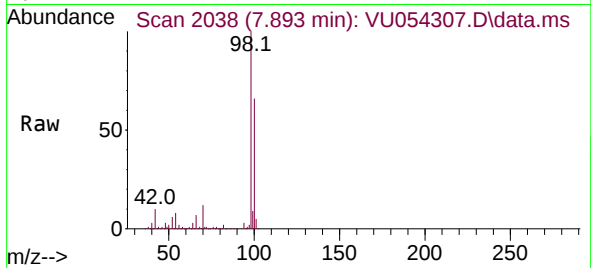




#50
Toluene-d8
Concen: 50.190 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

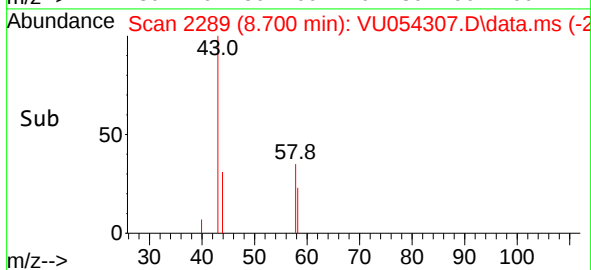
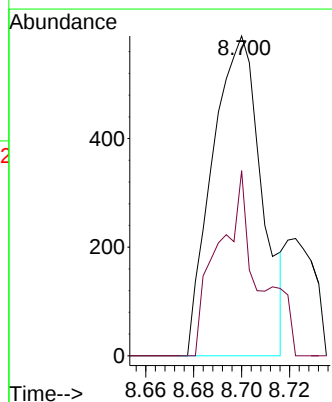
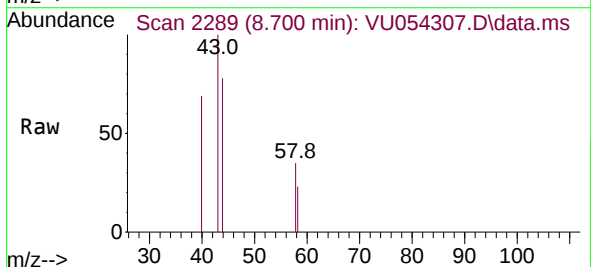
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-7-20230523

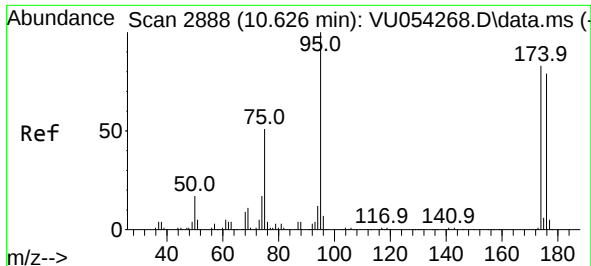
Tgt Ion: 98 Resp: 520213
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5



#59
2-Hexanone
Concen: 0.221 ug/l
RT: 8.700 min Scan# 2289
Delta R.T. 0.019 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
58 39.2 30.3 90.8

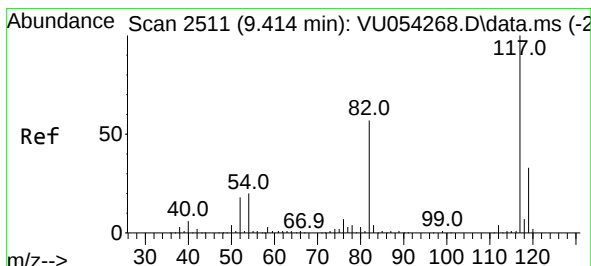
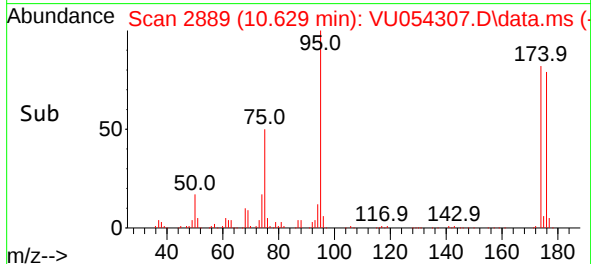
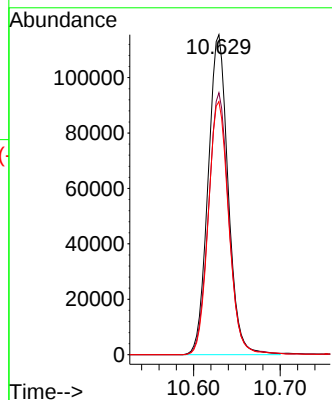
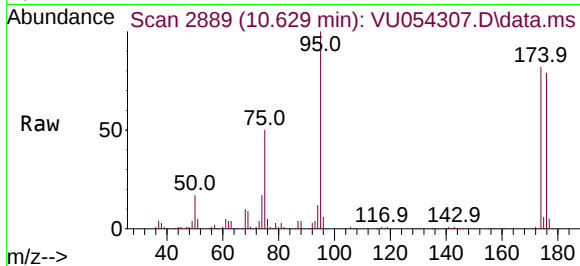




#62
4-Bromofluorobenzene
Concen: 46.231 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

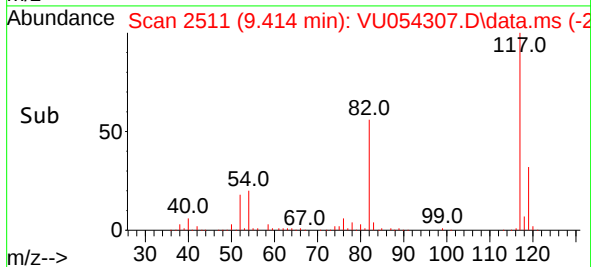
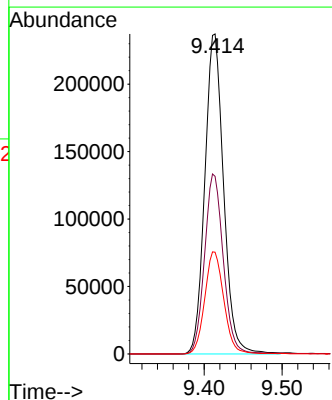
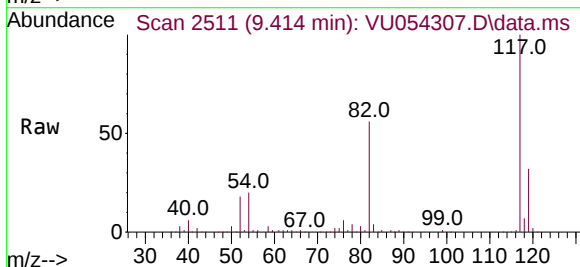
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-7-20230523

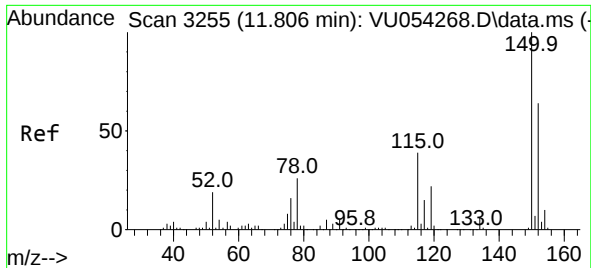
Tgt Ion: 95 Resp: 185801
Ion Ratio Lower Upper
95 100
174 83.5 0.0 182.0
176 80.7 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

Tgt Ion: 117 Resp: 397735
Ion Ratio Lower Upper
117 100
82 55.5 41.7 62.5
119 31.8 25.7 38.5

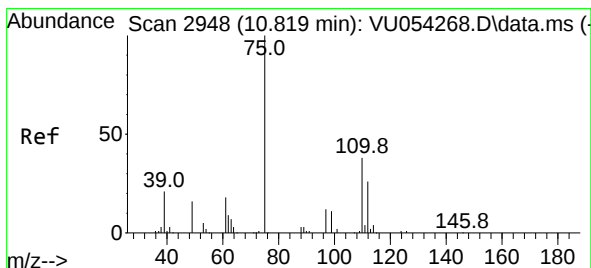
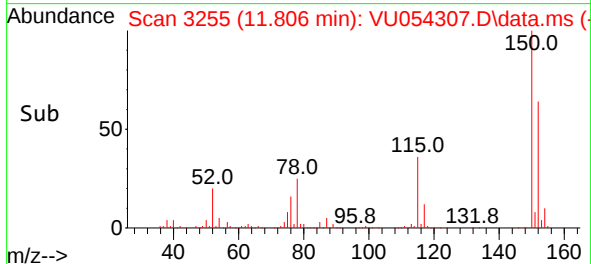
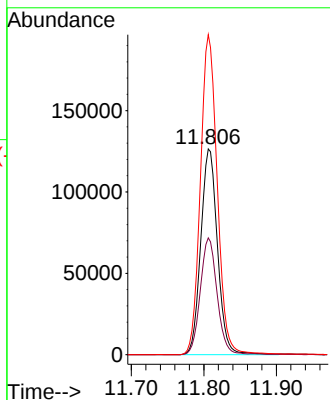
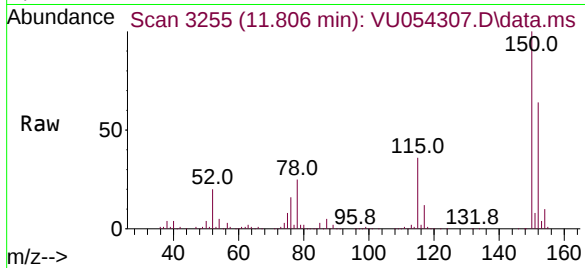




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

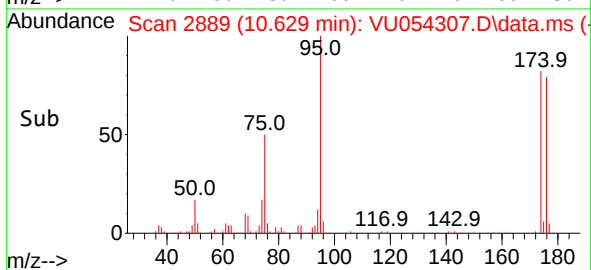
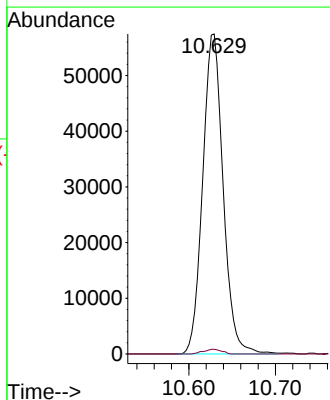
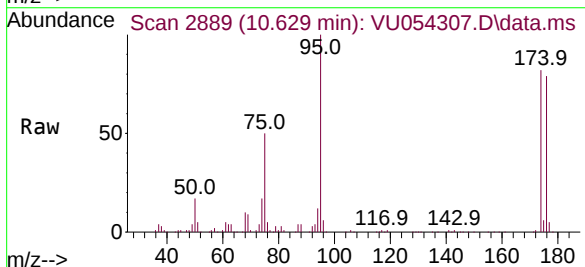
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-7-20230523

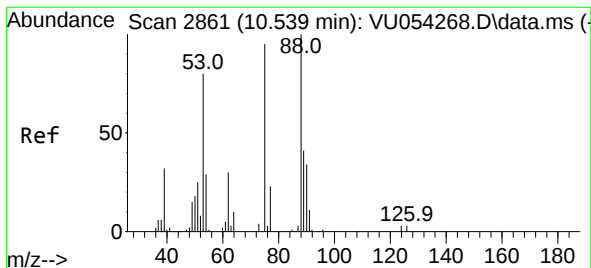
Tgt Ion:152 Resp: 203037
Ion Ratio Lower Upper
152 100
115 56.6 37.0 110.9
150 156.7 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 15.904 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.190 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

Tgt Ion: 75 Resp: 94244
Ion Ratio Lower Upper
75 100
77 1.3 15.8 47.3#

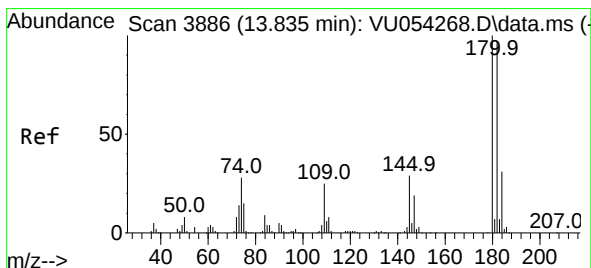
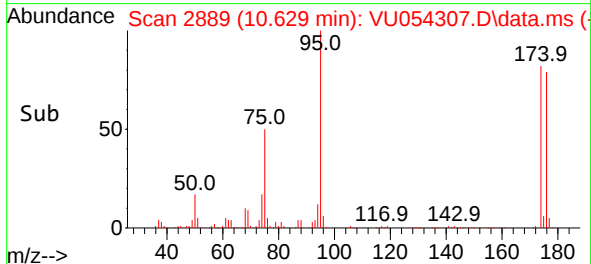
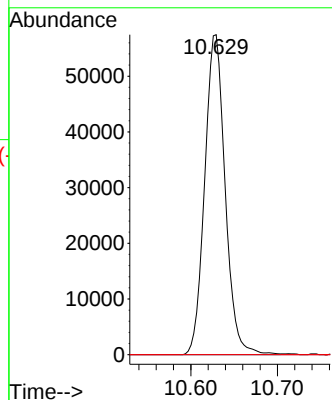
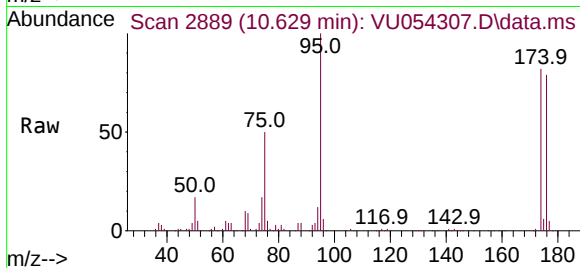




#81
trans-1,4-Dichloro-2-butene
Concen: 60.561 ug/l
RT: 10.629 min Scan# 21
Delta R.T. 0.090 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

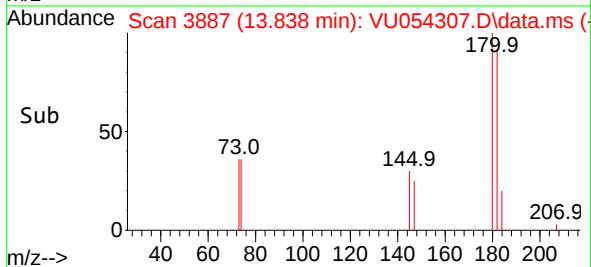
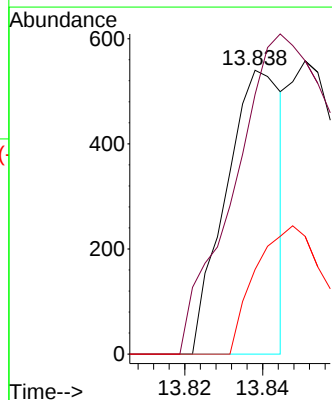
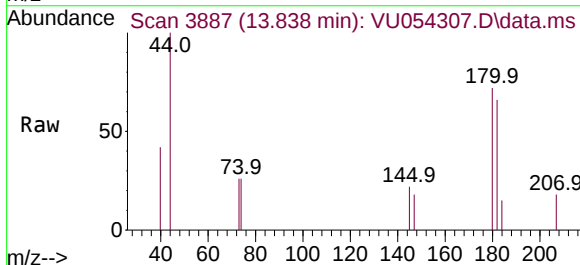
Instrument :
MSVOA_U
ClientSampleId :
BPOW1-7-20230523

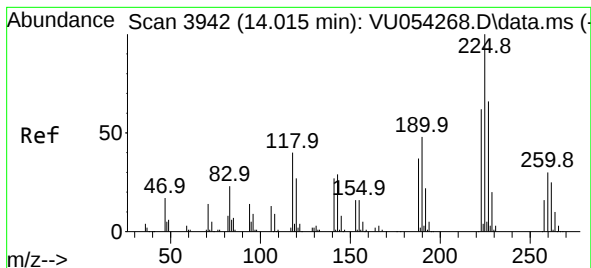
Tgt Ion: 75 Resp: 94244
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.754 ug/l
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU054307.D
Acq: 30 May 2023 12:36

Tgt Ion:180 Resp: 533
Ion Ratio Lower Upper
180 100
182 244.5 47.9 143.6#
145 52.3 14.0 41.9#





#94

Hexachlorobutadiene

Concen: 0.970 ug/l

RT: 14.012 min Scan# 3942

Delta R.T. -0.003 min

Lab File: VU054307.D

Acq: 30 May 2023 12:36

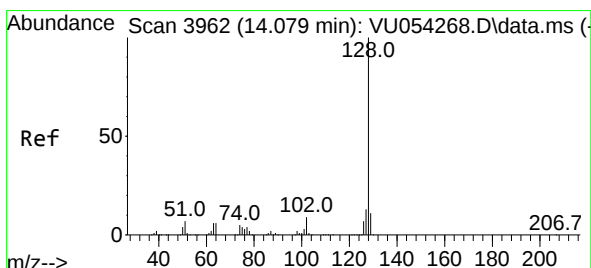
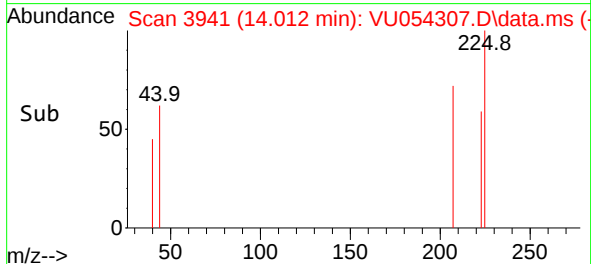
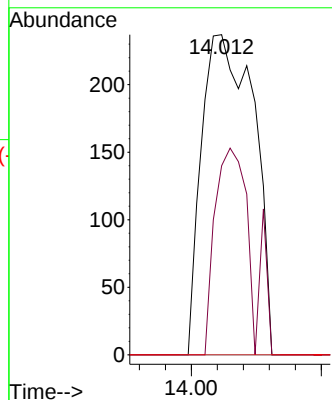
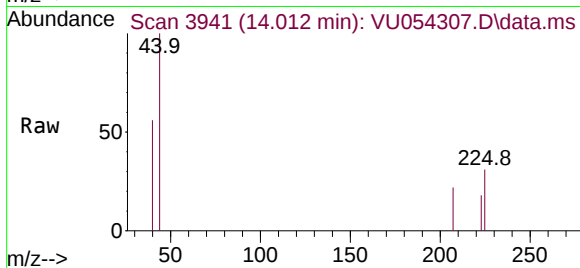
Instrument :

MSVOA_U

ClientSampleId :

BPOW1-7-20230523

Tgt Ion:225	Resp:	330
Ion Ratio	Lower	Upper
225	100	
223	44.5	31.3 93.9
227	0.0	32.0 96.2#



#95

Naphthalene

Concen: 2.263 ug/l

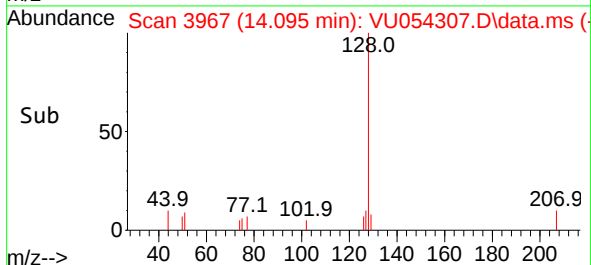
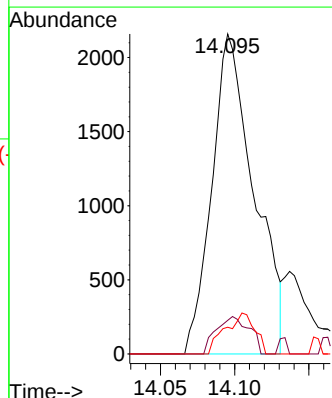
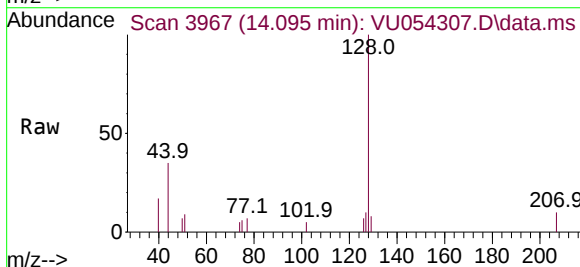
RT: 14.095 min Scan# 3967

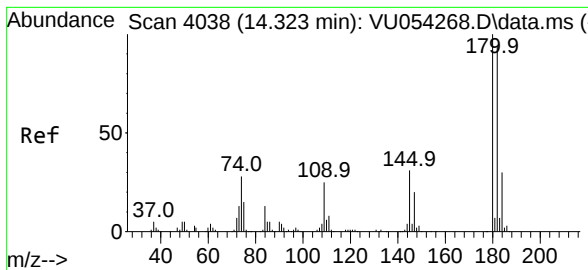
Delta R.T. 0.016 min

Lab File: VU054307.D

Acq: 30 May 2023 12:36

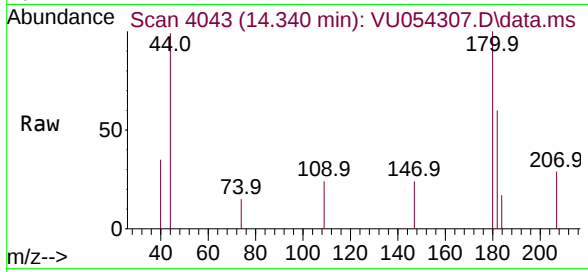
Tgt Ion:128	Resp:	4253
Ion Ratio	Lower	Upper
128	100	
127	9.2	10.3 15.5#
129	9.0	8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.575 ug/l
 RT: 14.340 min Scan# 40
 Delta R.T. 0.017 min
 Lab File: VU054307.D
 Acq: 30 May 2023 12:36

Instrument :
 MSVOA_U
 ClientSampleId :
 BPOW1-7-20230523



Tgt Ion:180 Resp: 1519
 Ion Ratio Lower Upper
 180 100
 182 77.6 48.4 145.0
 145 14.2 14.8 44.4#

