

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042821\
 Data File : VU043396.D
 Acq On : 28 Apr 2021 19:09
 Operator : SY/MD
 Sample : M2208-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW8-TB-20210423

Quant Time: Apr 29 08:42:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

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

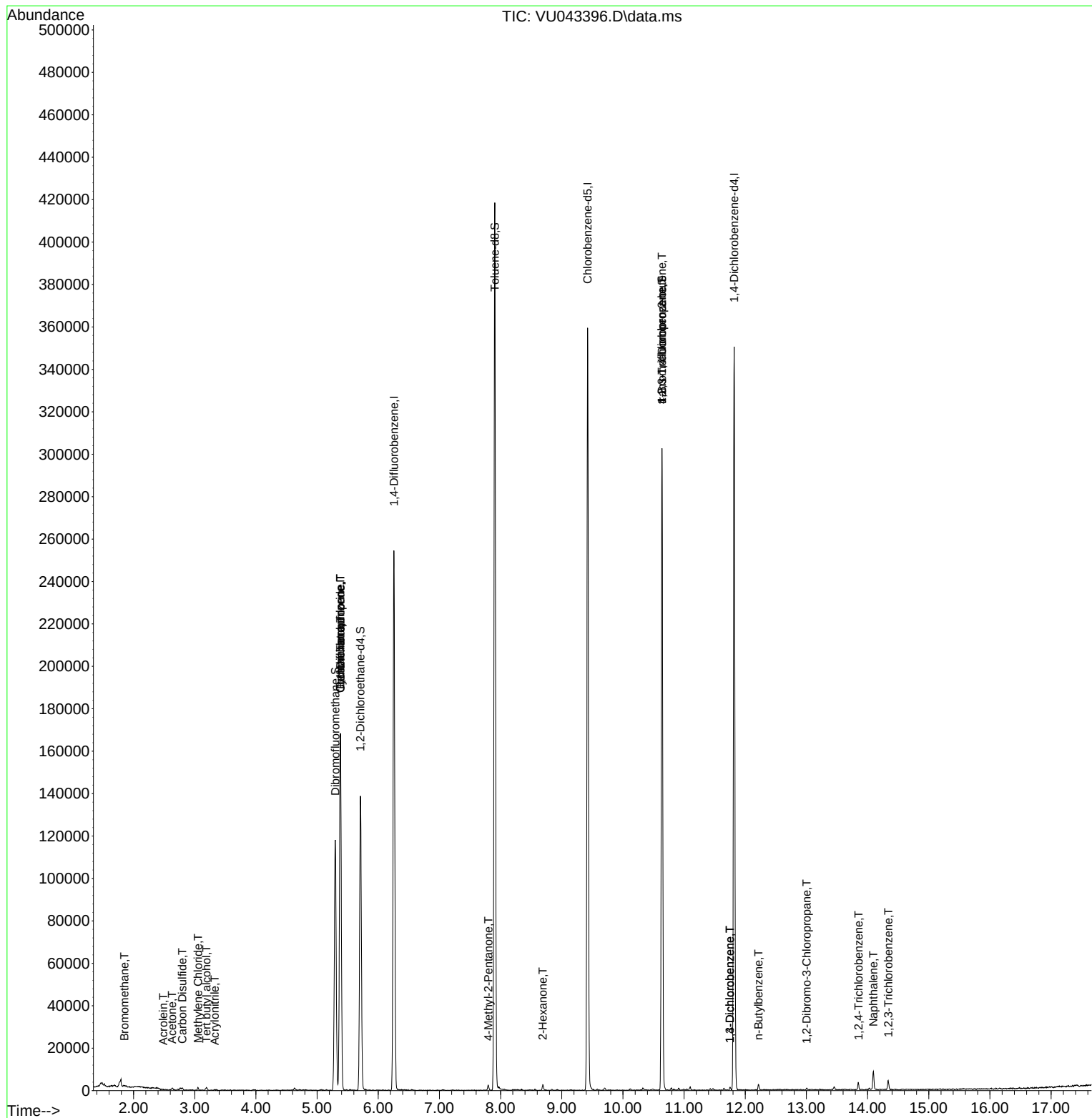
Internal Standards						
1) Pentafluorobenzene	5.382	168	112873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	186804	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	179558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	84451	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	104320	54.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.96%	
35) Dibromofluoromethane	5.298	113	74370	52.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.96%	
50) Toluene-d8	7.906	98	253461	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	10.639	95	89296	44.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.80%	
Target Compounds						Qvalue
3) Chloromethane	1.520	50	664	Below Cal		98
5) Bromomethane	1.851	94	221	0.32 ug/l #		50
11) Tert butyl alcohol	3.189	59	967	1.98 ug/l #		94
13) Acrolein	2.485	56	64	10.62 ug/l #		14
15) Acrylonitrile	3.327	53	260	0.25 ug/l #		64
16) Acetone	2.629	43	1109	0.69 ug/l		98
17) Carbon Disulfide	2.797	76	1287	0.40 ug/l #		74
20) Methylene Chloride	3.054	84	379	0.28 ug/l		93
31) Cyclohexane	5.378	56	2763	1.18 ug/l #		17
36) 1,1-Dichloropropene	5.382	75	9491	4.79 ug/l #		50
38) Carbon Tetrachloride	5.378	117	11240	5.29 ug/l #		17
51) 4-Methyl-2-Pentanone	7.800	43	1762	0.49 ug/l		93
59) 2-Hexanone	8.690	43	1901	0.65 ug/l		94
76) 1,2,3-Trichloropropane	10.639	75	50729	20.56 ug/l #		37
81) trans-1,4-Dichloro-2-b...	10.639	75	50729	60.40 ug/l #		7
87) 1,3-Dichlorobenzene	11.751	146	609	0.21 ug/l		80
88) 1,4-Dichlorobenzene	11.751	146	609	0.20 ug/l		82
89) n-Butylbenzene	12.217	91	1052	0.21 ug/l		94
92) 1,2-Dibromo-3-Chloropr...	13.002	75	213	0.30 ug/l #		62
93) 1,2,4-Trichlorobenzene	13.854	180	1371	2.19 ug/l		93
94) Hexachlorobutadiene	14.028	225	219	Below Cal		90
95) Naphthalene	14.095	128	7182	3.85 ug/l		98
96) 1,2,3-Trichlorobenzene	14.339	180	1390	2.18 ug/l		94

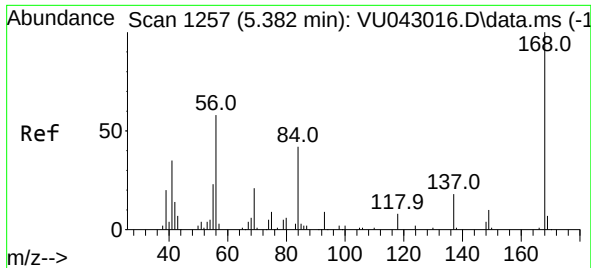
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB-RW8-TB-20210423

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Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 2021
Response via : Initial Calibration

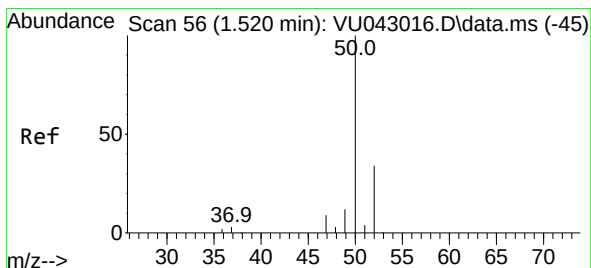
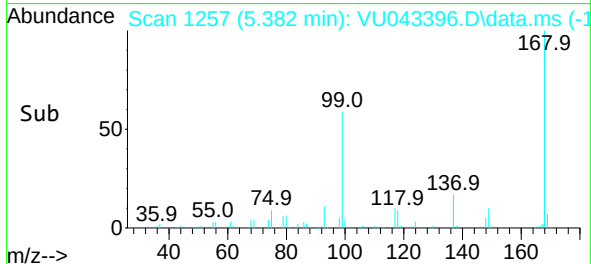
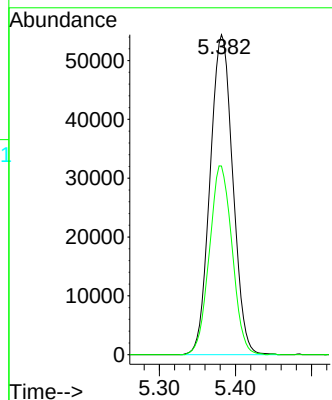
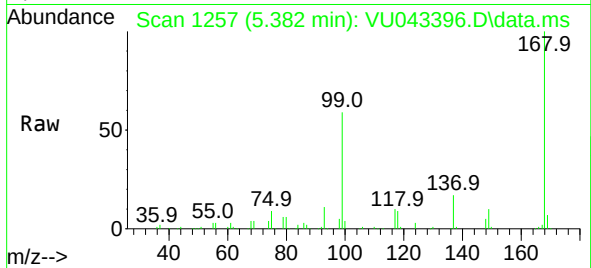




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

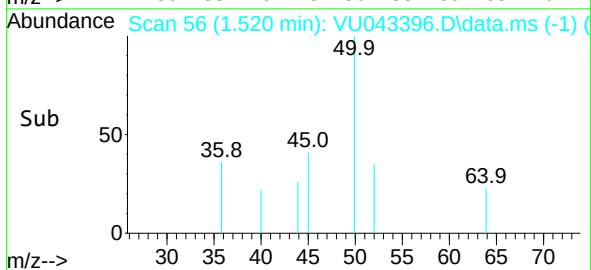
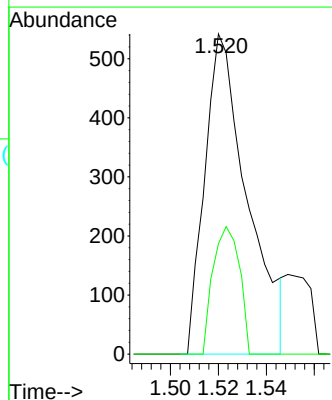
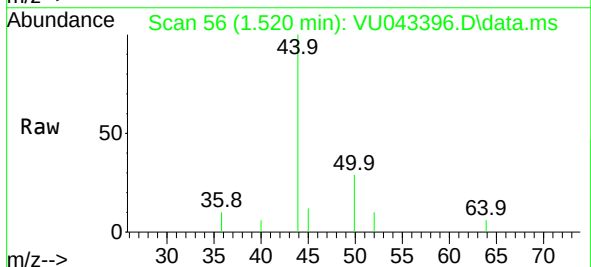
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-TB-20210423

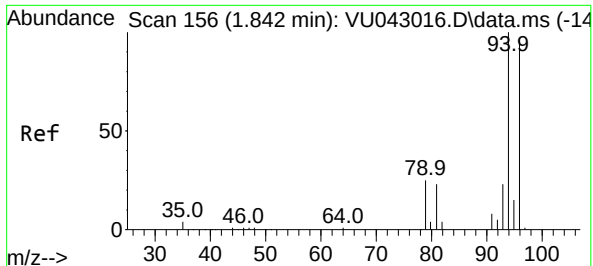
Tgt Ion:168 Resp: 112873
Ion Ratio Lower Upper
168 100
99 59.0 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

Tgt Ion: 50 Resp: 664
Ion Ratio Lower Upper
50 100
52 34.5 26.6 40.0

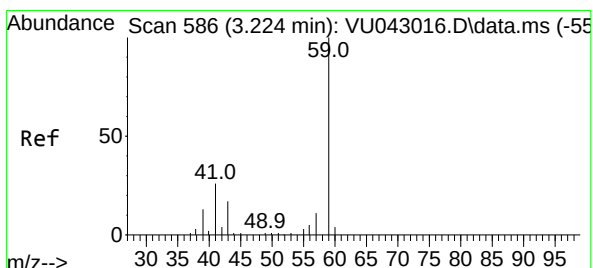
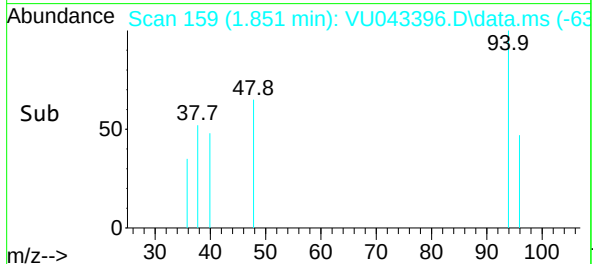
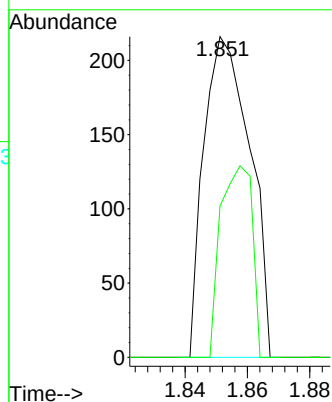
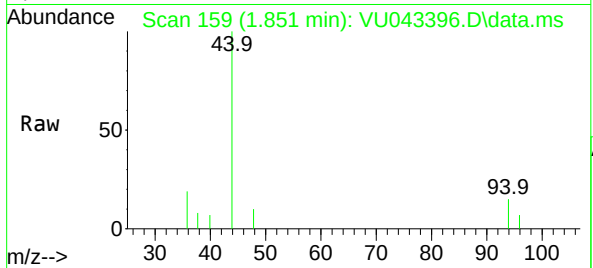




#5
Bromomethane
Concen: 0.32 ug/l
RT: 1.851 min Scan# 159
Delta R.T. 0.009 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

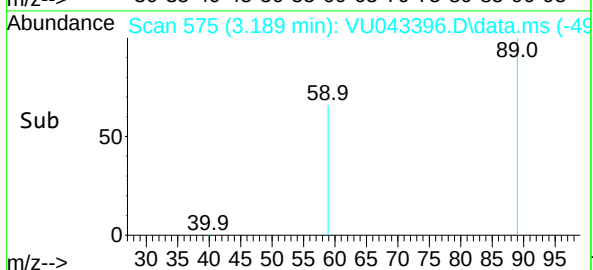
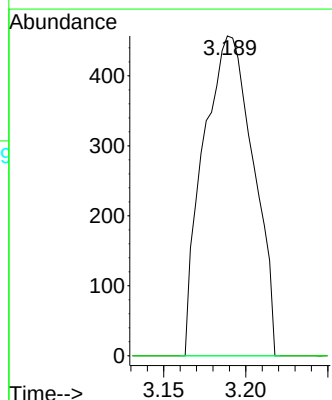
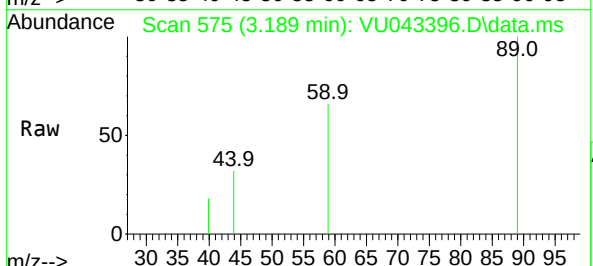
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-TB-20210423

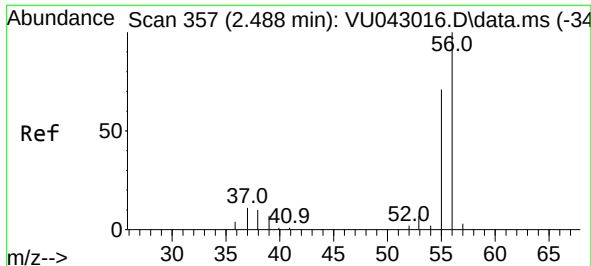
Tgt Ion: 94 Resp: 221
Ion Ratio Lower Upper
94 100
96 47.2 76.6 115.0#



#11
Tert butyl alcohol
Concen: 1.98 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.035 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

Tgt Ion: 59 Resp: 967
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#

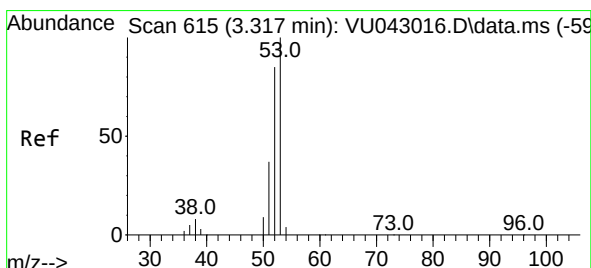
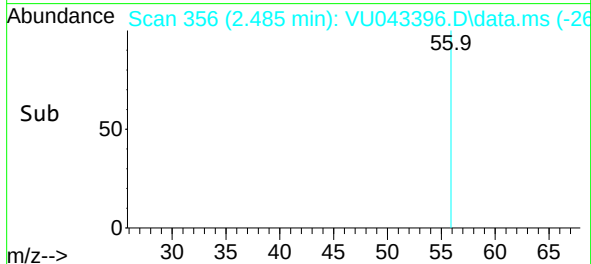
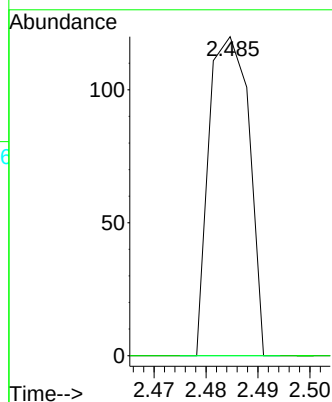
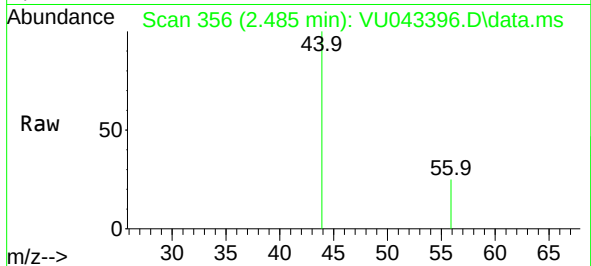




#13
Acrolein
Concen: 10.62 ug/l
RT: 2.485 min Scan# 356
Delta R.T. -0.003 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

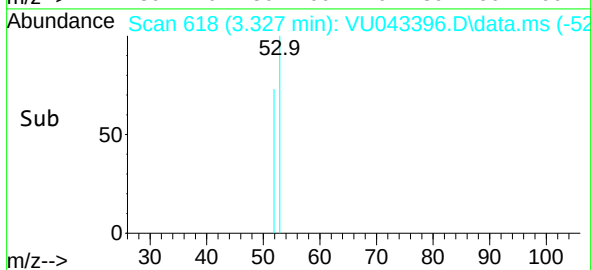
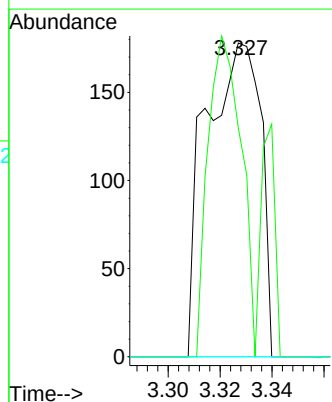
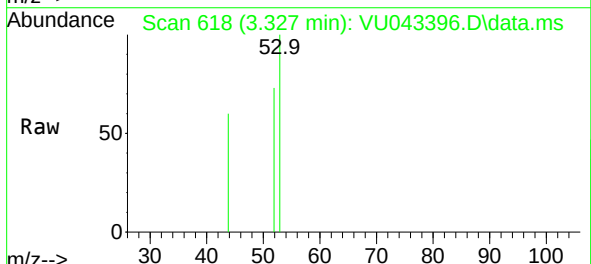
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-TB-20210423

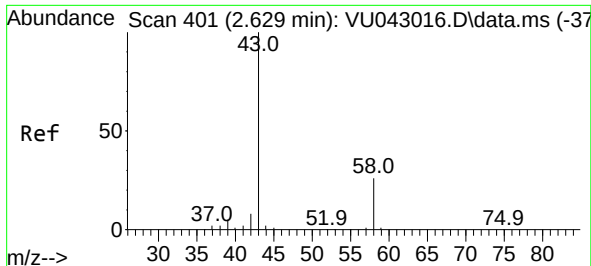
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#



#15
Acrylonitrile
Concen: 0.25 ug/l
RT: 3.327 min Scan# 618
Delta R.T. 0.010 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

Tgt Ion: 53 Resp: 260
Ion Ratio Lower Upper
53 100
52 61.9 68.2 102.2#
51 0.0 29.2 43.8#

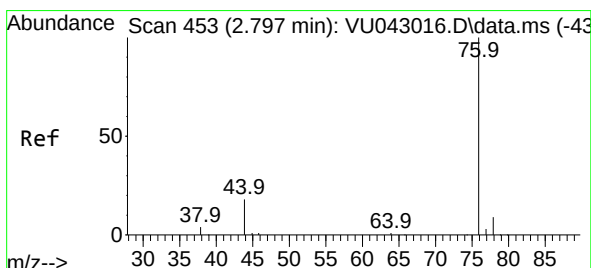
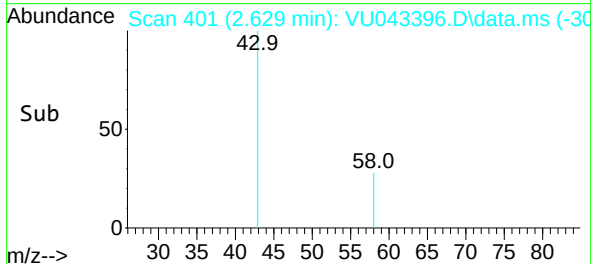
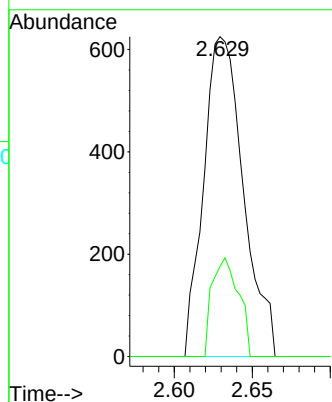
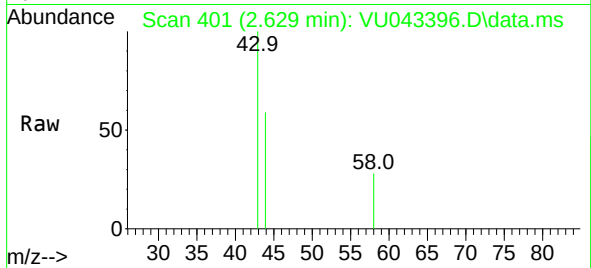




#16
Acetone
Concen: 0.69 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

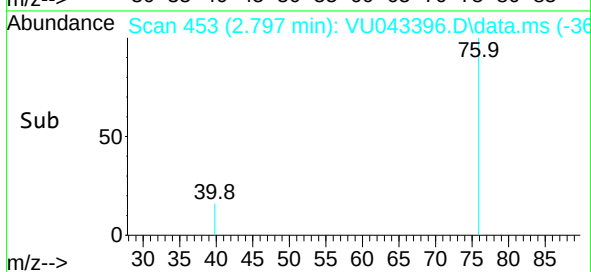
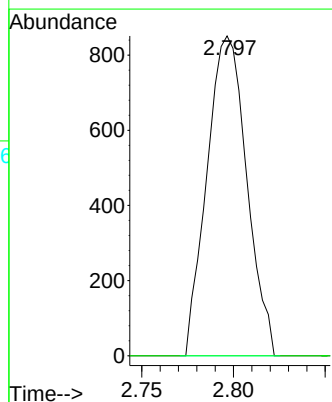
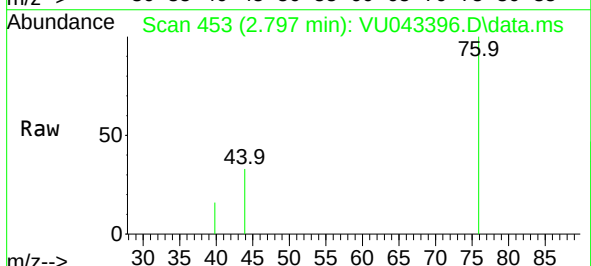
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-TB-20210423

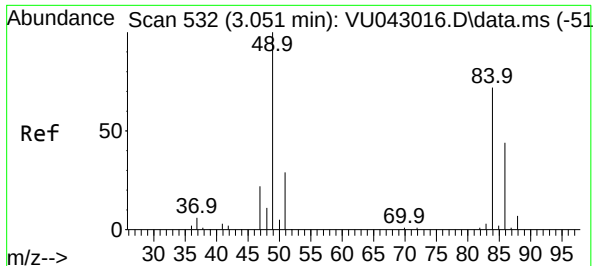
Tgt Ion: 43 Resp: 1109
Ion Ratio Lower Upper
43 100
58 28.2 21.5 32.3



#17
Carbon Disulfide
Concen: 0.40 ug/l
RT: 2.797 min Scan# 453
Delta R.T. -0.001 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

Tgt Ion: 76 Resp: 1287
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#20

Methylene Chloride

Concen: 0.28 ug/l

RT: 3.054 min Scan# 533

Delta R.T. 0.003 min

Lab File: VU043396.D

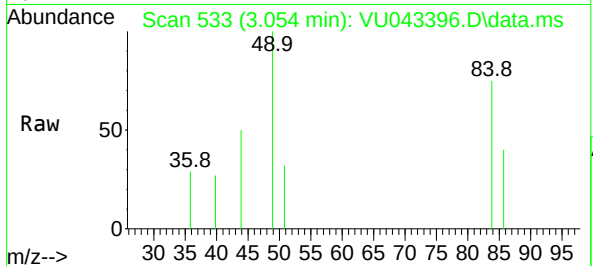
Acq: 28 Apr 2021 19:09

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW8-TB-20210423



Tgt Ion: 84 Resp: 379

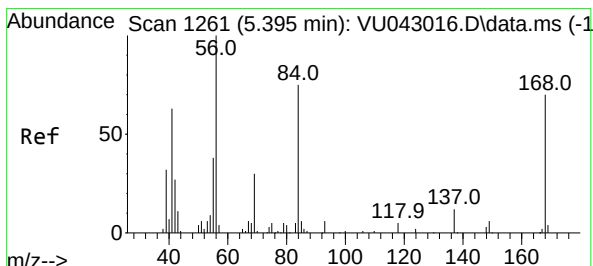
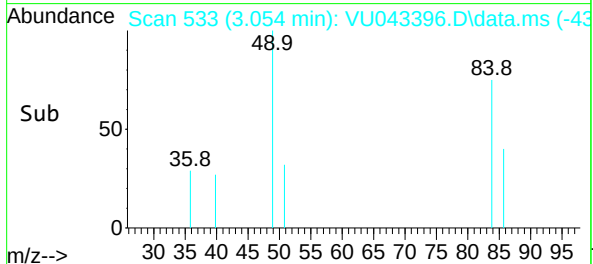
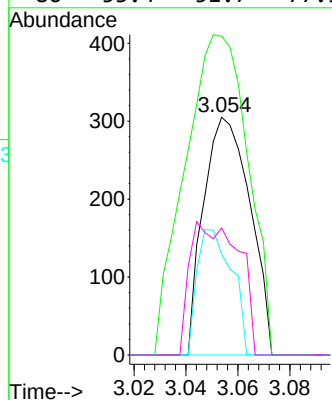
Ion Ratio Lower Upper

84 100

49 134.1 112.6 169.0

51 42.3 33.7 50.5

86 53.4 51.7 77.5



#31

Cyclohexane

Concen: 1.18 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.017 min

Lab File: VU043396.D

Acq: 28 Apr 2021 19:09

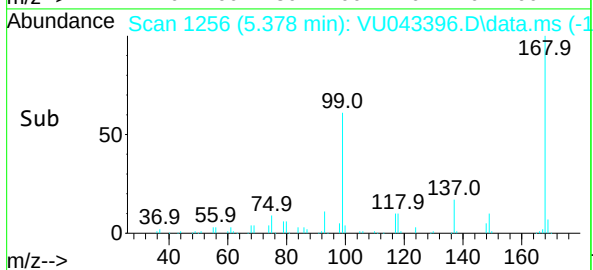
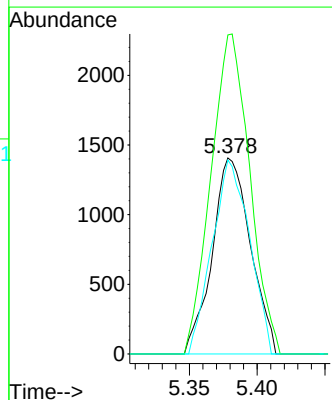
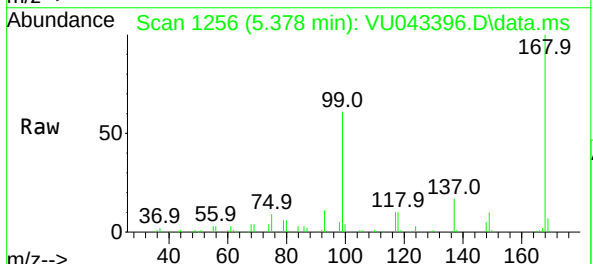
Tgt Ion: 56 Resp: 2763

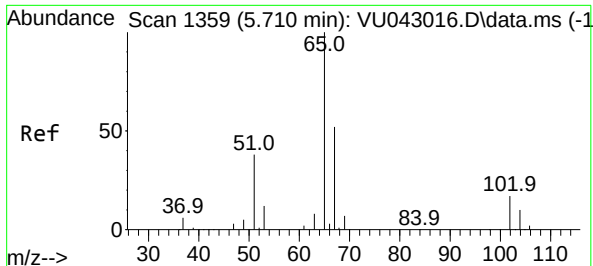
Ion Ratio Lower Upper

56 100

69 162.8 24.9 37.3#

84 98.9 63.7 95.5#





#33

1,2-Dichloroethane-d4

Concen: 54.98 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043396.D

Acq: 28 Apr 2021 19:09

Tgt Ion: 65 Resp: 104320

Ion Ratio Lower Upper

65 100

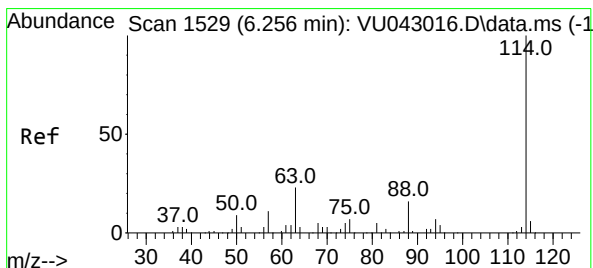
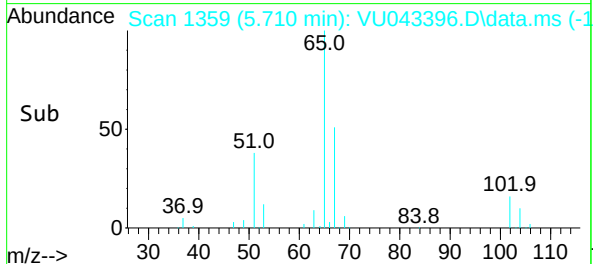
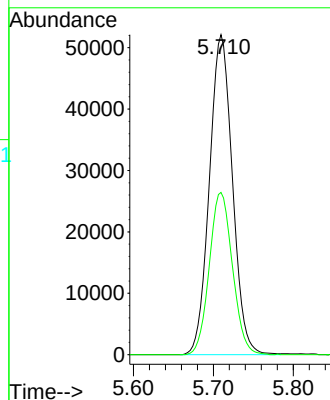
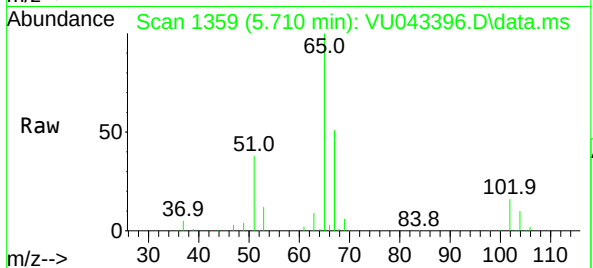
67 50.9 0.0 99.8

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW8-TB-20210423



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043396.D

Acq: 28 Apr 2021 19:09

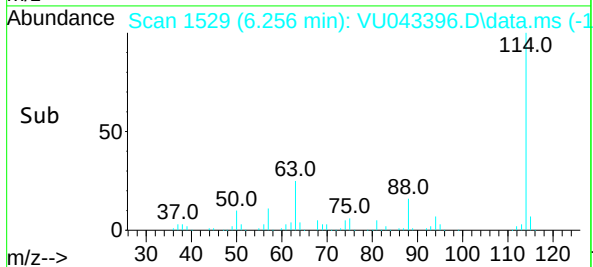
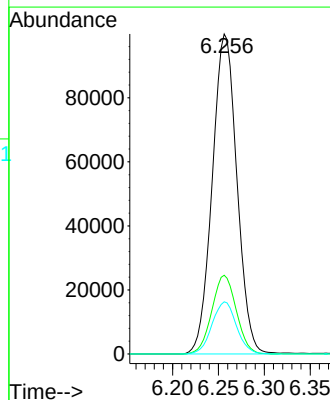
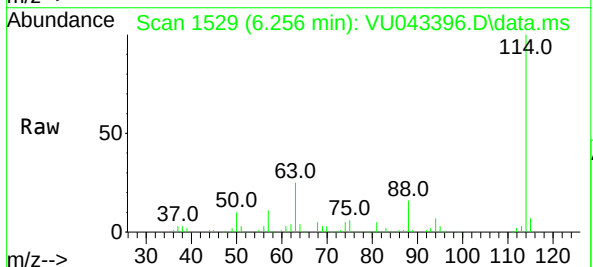
Tgt Ion: 114 Resp: 186804

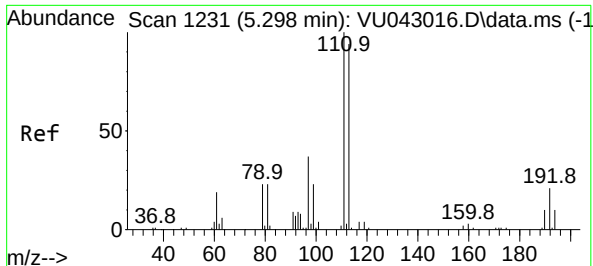
Ion Ratio Lower Upper

114 100

63 24.6 0.0 44.2

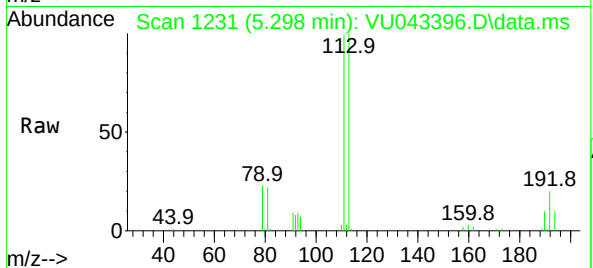
88 16.3 0.0 33.4



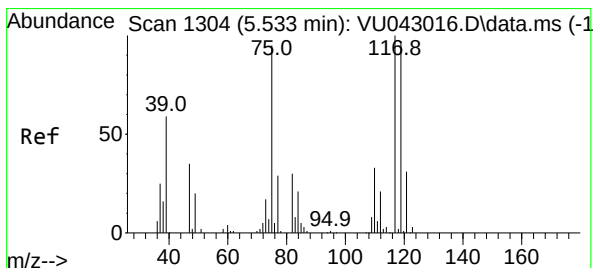
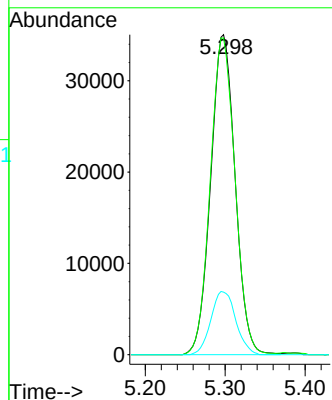
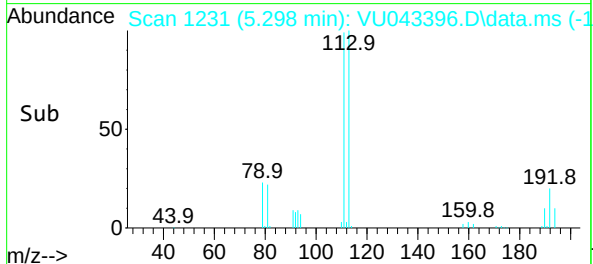


#35
Dibromofluoromethane
Concen: 52.98 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

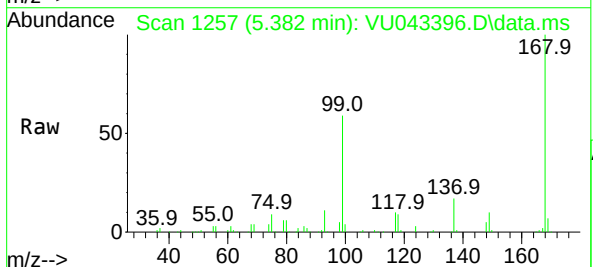
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-TB-20210423



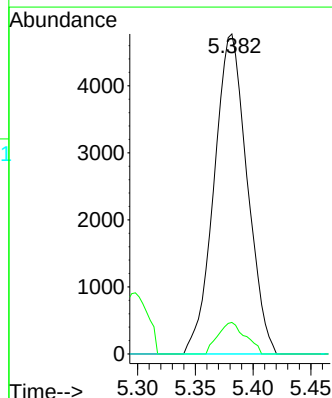
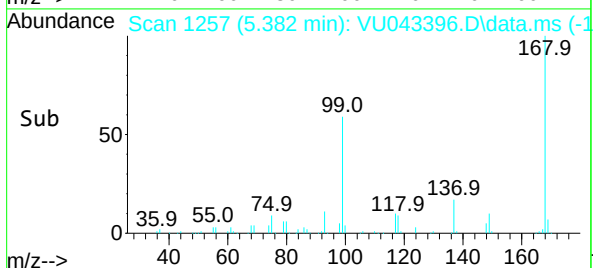
Tgt Ion:113 Resp: 74370
Ion Ratio Lower Upper
113 100
111 100.2 81.8 122.8
192 20.1 17.2 25.8

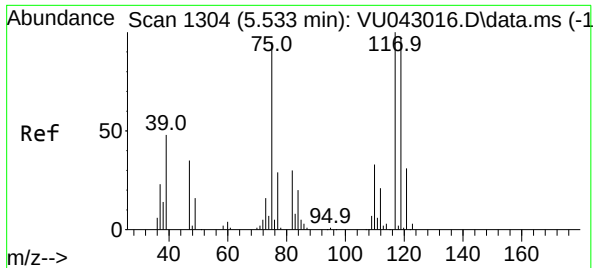


#36
1,1-Dichloropropene
Concen: 4.79 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09



Tgt Ion: 75 Resp: 9491
Ion Ratio Lower Upper
75 100
110 8.2 16.8 50.3#
77 0.0 24.8 37.2#

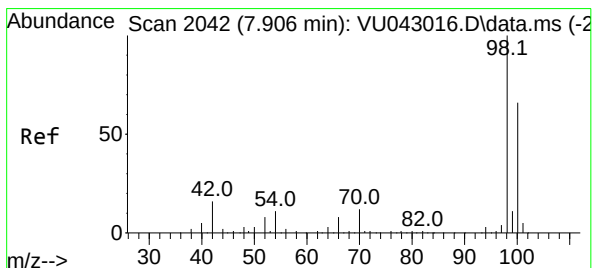
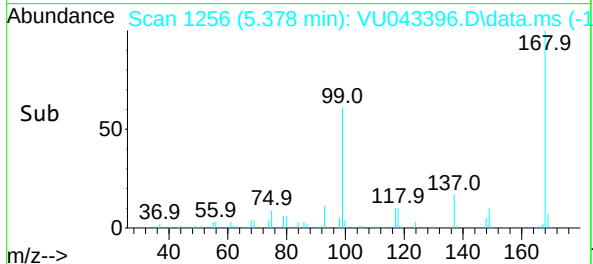
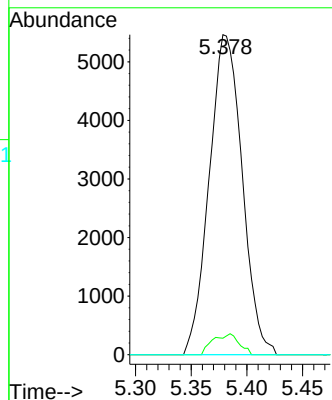
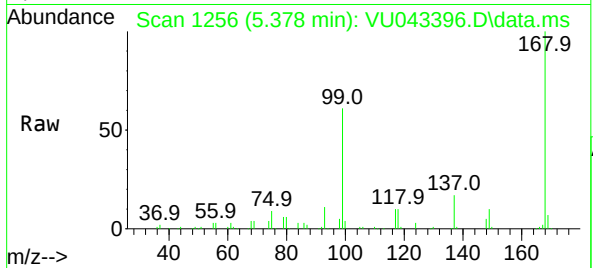




#38
Carbon Tetrachloride
Concen: 5.29 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.155 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

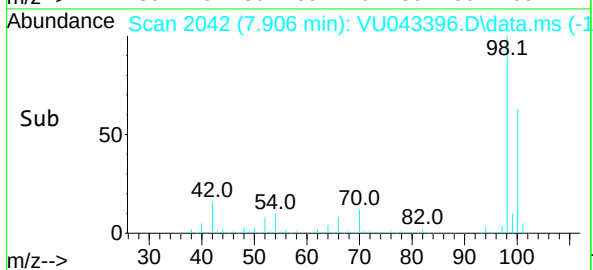
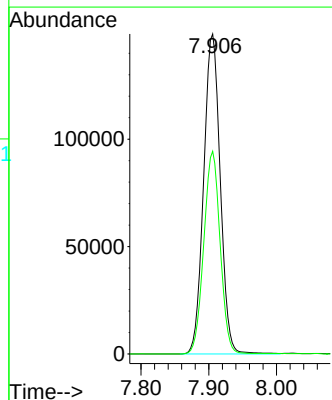
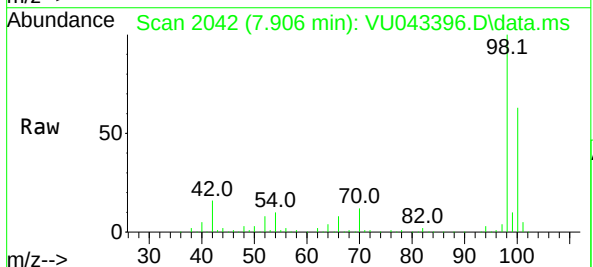
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-TB-20210423

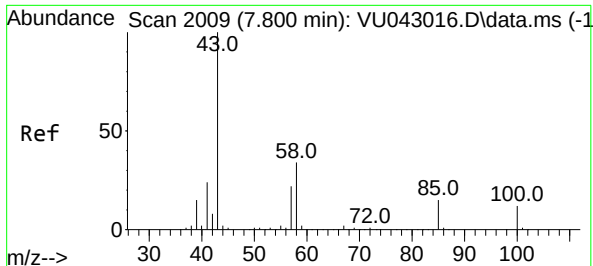
Tgt Ion: 117 Resp: 11240
Ion Ratio Lower Upper
117 100
119 5.1 75.5 113.3#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.03 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

Tgt Ion: 98 Resp: 253461
Ion Ratio Lower Upper
98 100
100 62.3 50.2 75.2

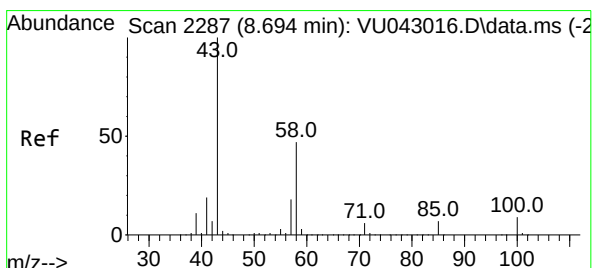
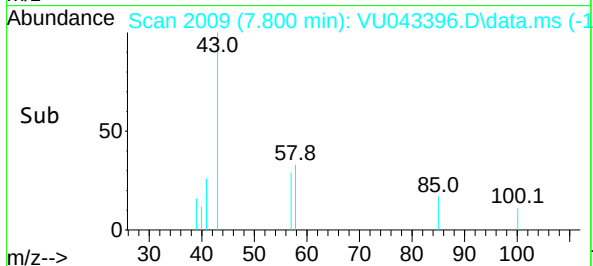
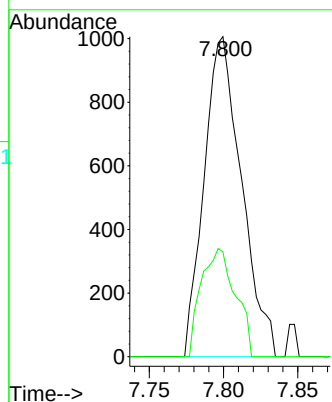
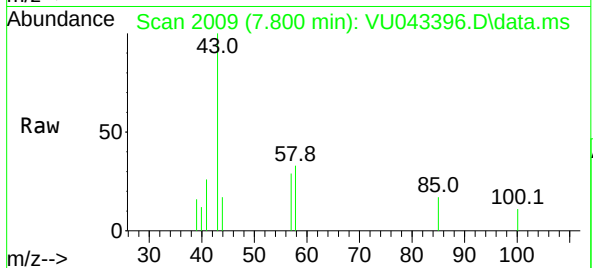




#51
4-Methyl-2-Pentanone
Concen: 0.49 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

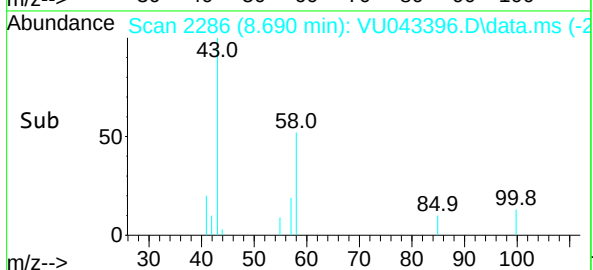
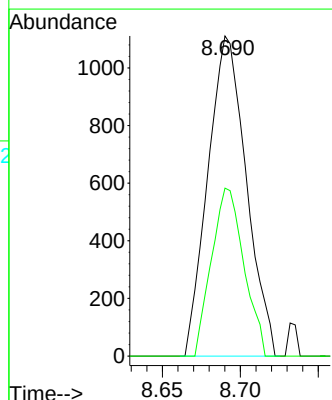
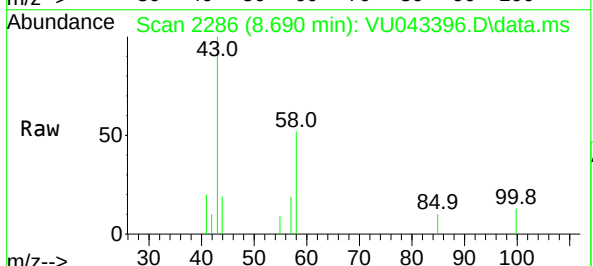
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-TB-20210423

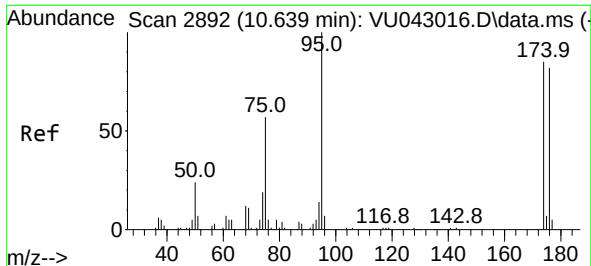
Tgt Ion: 43 Resp: 1762
Ion Ratio Lower Upper
43 100
58 31.0 28.1 42.1



#59
2-Hexanone
Concen: 0.65 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. -0.004 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

Tgt Ion: 43 Resp: 1901
Ion Ratio Lower Upper
43 100
58 44.1 24.0 72.0

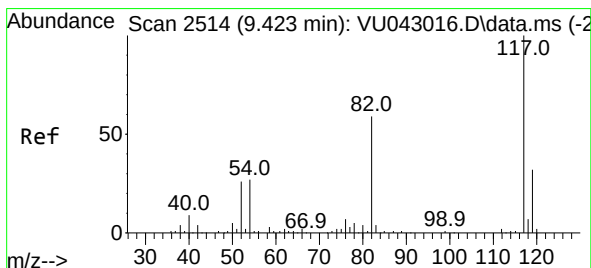
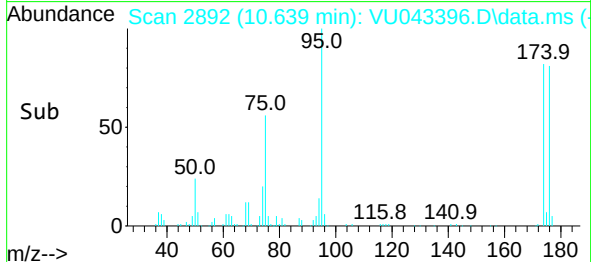
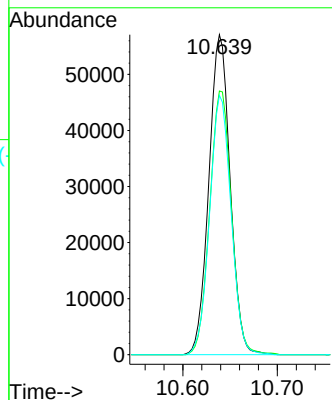
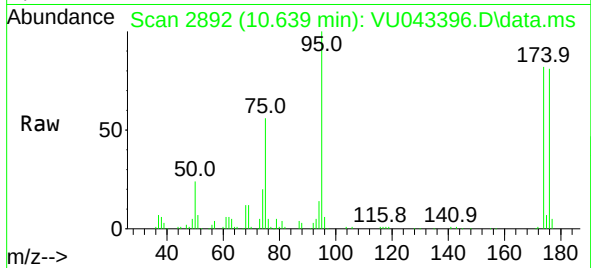




#62
4-Bromofluorobenzene
Concen: 44.90 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

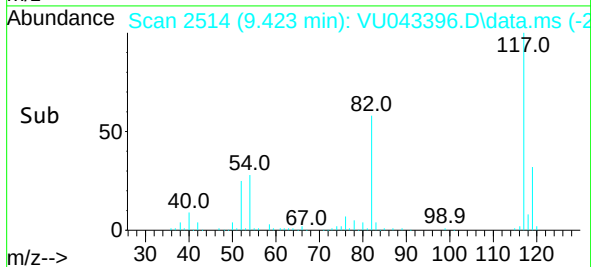
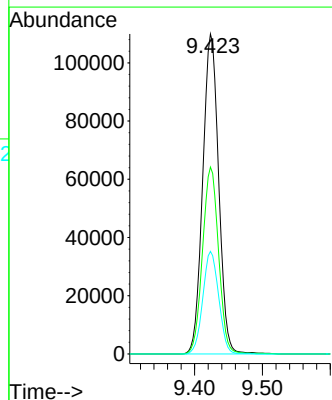
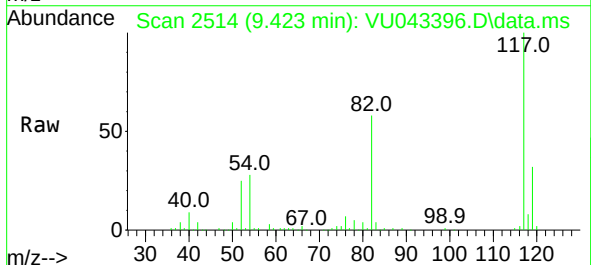
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-TB-20210423

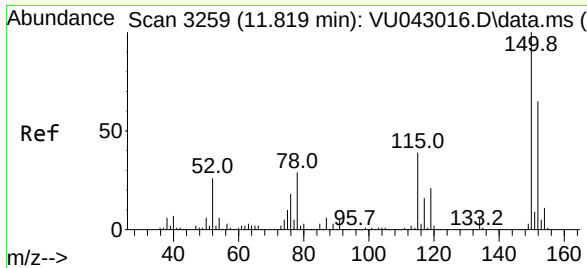
Tgt Ion: 95 Resp: 89296
Ion Ratio Lower Upper
95 100
174 84.5 0.0 172.2
176 81.5 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

Tgt Ion: 117 Resp: 179558
Ion Ratio Lower Upper
117 100
82 58.4 45.8 68.6
119 32.1 25.8 38.8

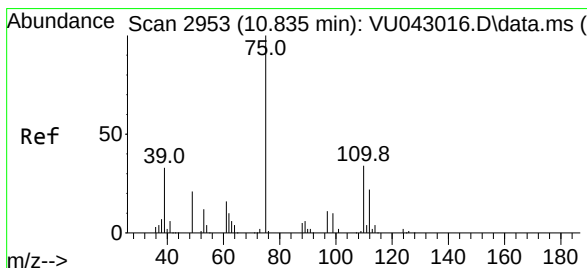
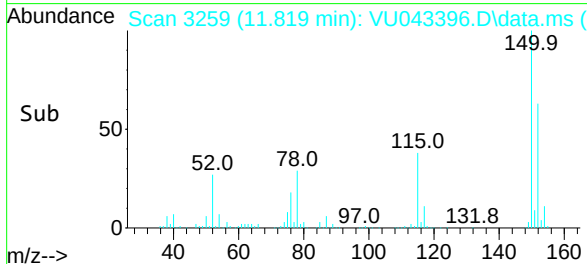
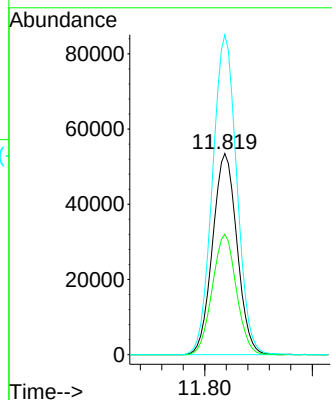
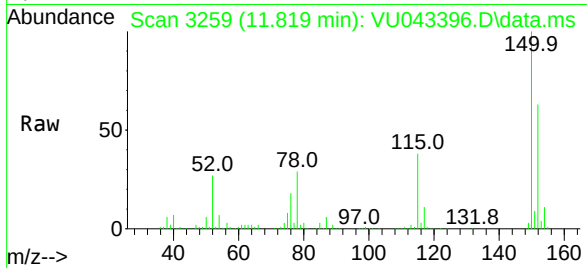




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043396.D
 Acq: 28 Apr 2021 19:09

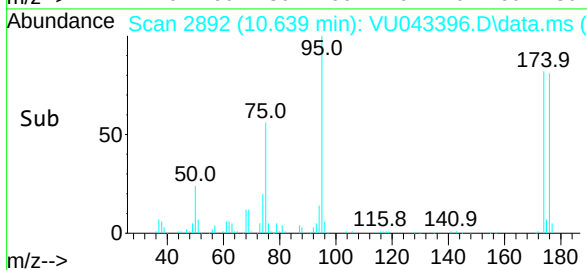
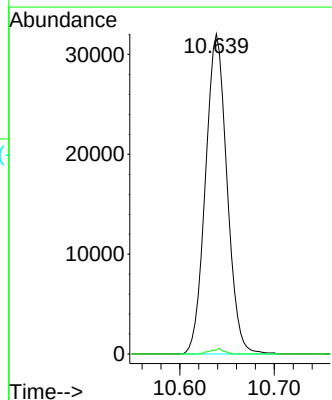
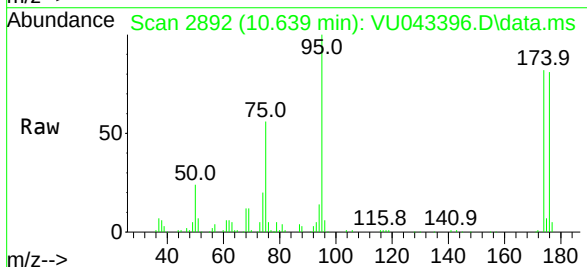
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW8-TB-20210423

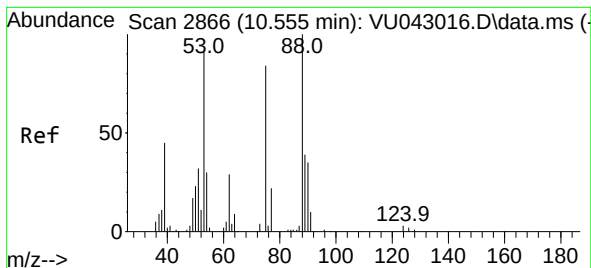
Tgt Ion:152 Resp: 84451
 Ion Ratio Lower Upper
 152 100
 115 59.0 41.5 124.6
 150 158.1 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 20.56 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.196 min
 Lab File: VU043396.D
 Acq: 28 Apr 2021 19:09

Tgt Ion: 75 Resp: 50729
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.2 60.5#

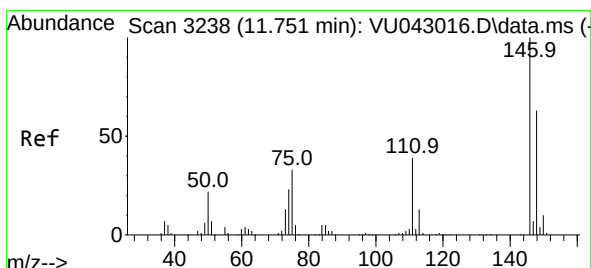
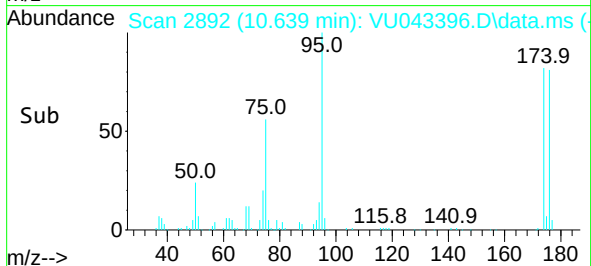
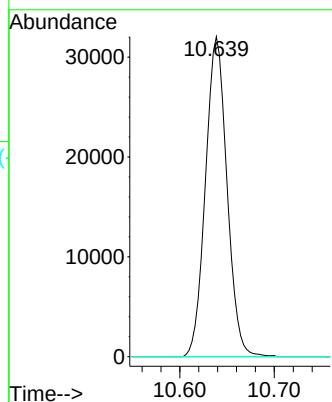
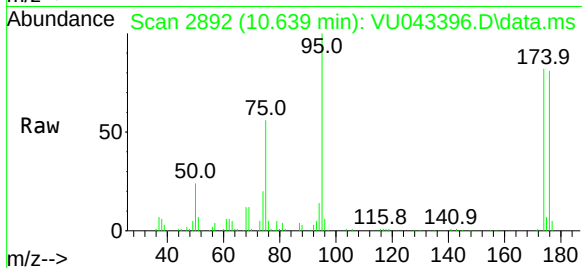




#81
trans-1,4-Dichloro-2-butene
Concen: 60.40 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

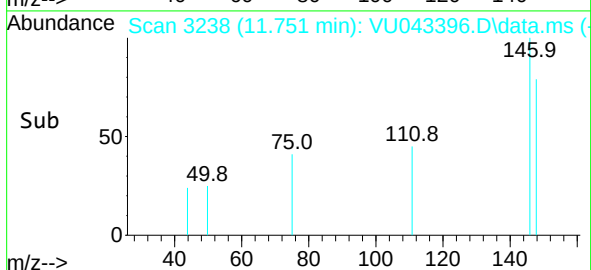
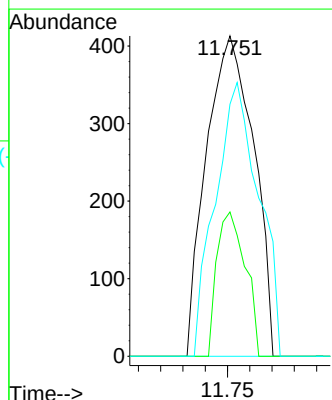
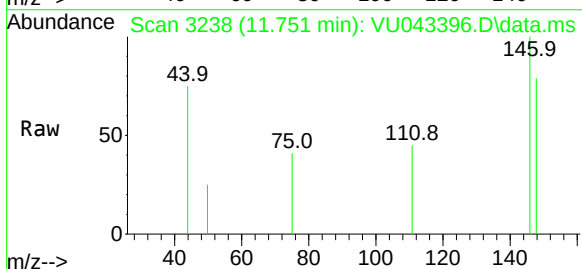
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-TB-20210423

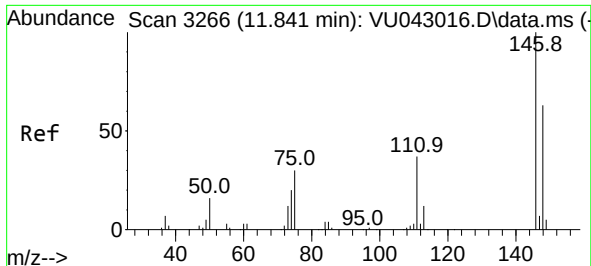
Tgt Ion: 75 Resp: 50729
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#



#87
1,3-Dichlorobenzene
Concen: 0.21 ug/l
RT: 11.751 min Scan# 3238
Delta R.T. 0.000 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

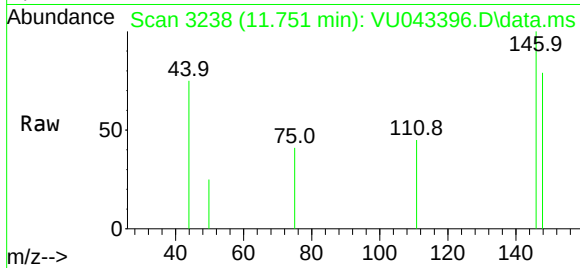
Tgt Ion:146 Resp: 609
Ion Ratio Lower Upper
146 100
111 27.1 19.9 59.6
148 79.0 32.0 96.2



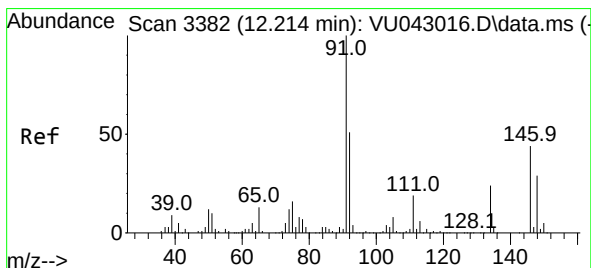
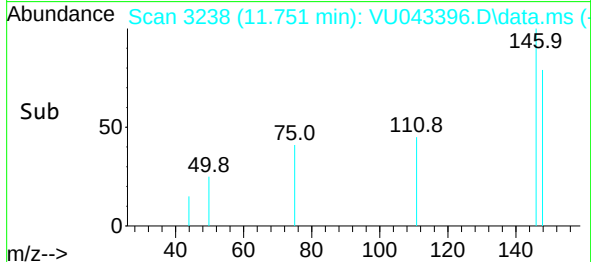
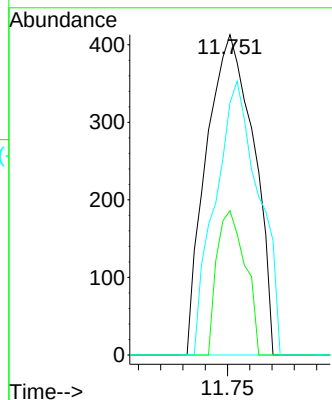


#88
1,4-Dichlorobenzene
Concen: 0.20 ug/l
RT: 11.751 min Scan# 3238
Delta R.T. -0.090 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

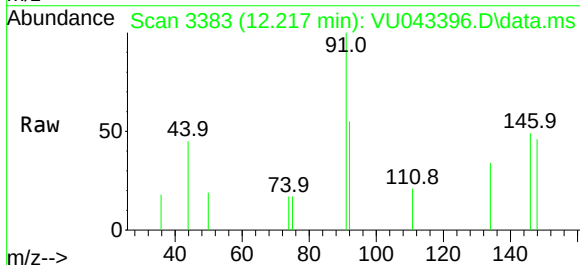
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-TB-20210423



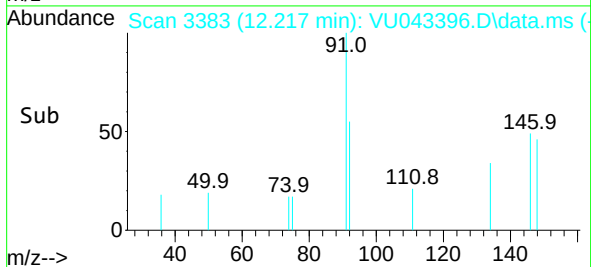
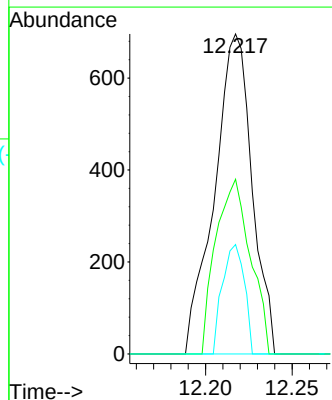
Tgt Ion:146 Resp: 609
Ion Ratio Lower Upper
146 100
111 27.1 19.7 59.0
148 79.0 32.8 98.3

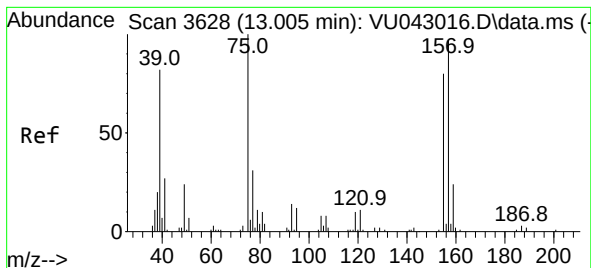


#89
n-Butylbenzene
Concen: 0.21 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09



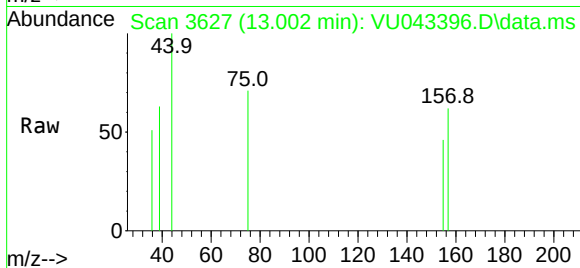
Tgt Ion: 91 Resp: 1052
Ion Ratio Lower Upper
91 100
92 50.1 26.2 78.6
134 19.8 12.7 38.1



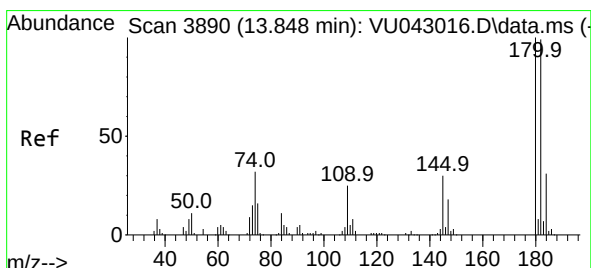
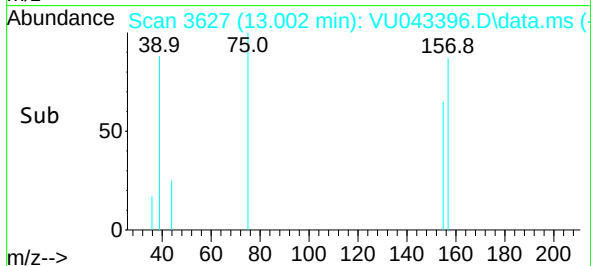
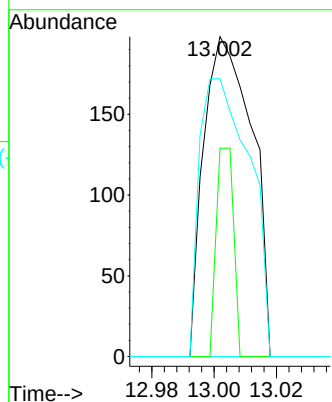


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.30 ug/l
 RT: 13.002 min Scan# 3627
 Delta R.T. -0.003 min
 Lab File: VU043396.D
 Acq: 28 Apr 2021 19:09

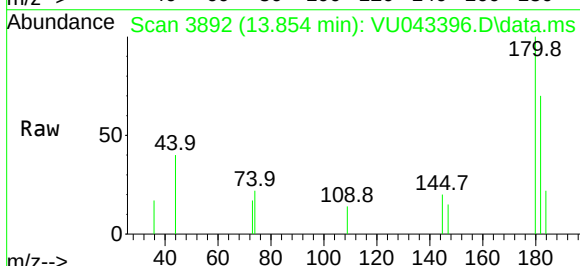
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW8-TB-20210423



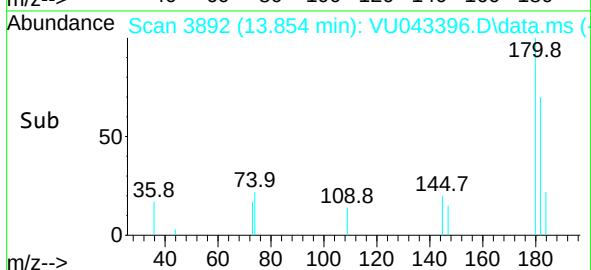
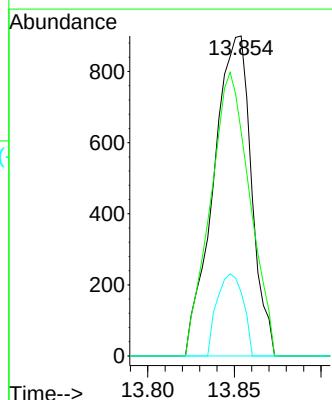
Tgt Ion: 75 Resp: 213
 Ion Ratio Lower Upper
 75 100
 155 23.5 41.7 125.1#
 157 90.1 53.9 161.7

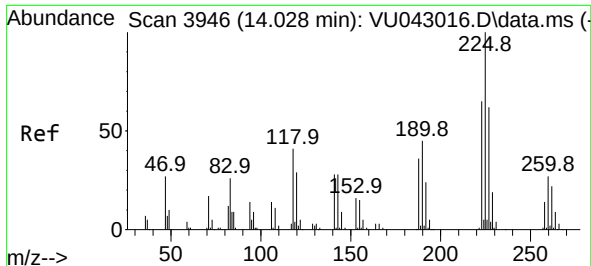


#93
 1,2,4-Trichlorobenzene
 Concen: 2.19 ug/l
 RT: 13.854 min Scan# 3892
 Delta R.T. 0.006 min
 Lab File: VU043396.D
 Acq: 28 Apr 2021 19:09



Tgt Ion: 180 Resp: 1371
 Ion Ratio Lower Upper
 180 100
 182 91.6 46.9 140.8
 145 17.7 14.4 43.4

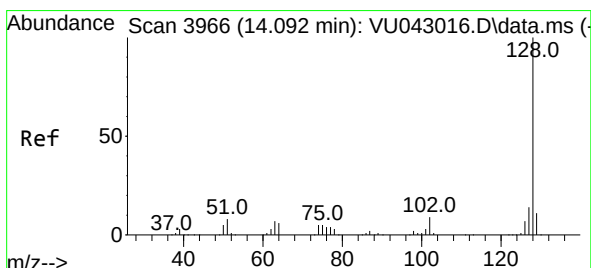
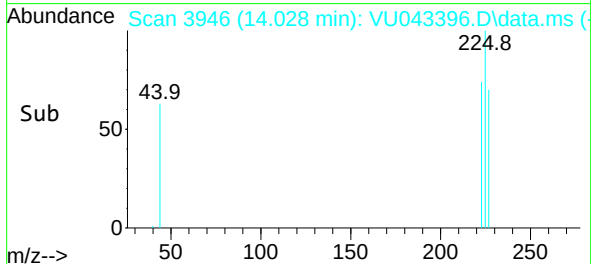
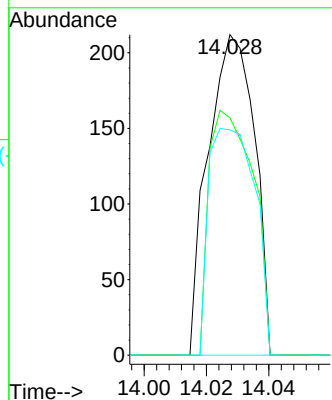
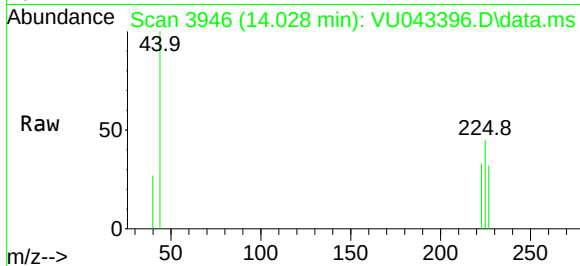




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 14.028 min Scan# 3946
Delta R.T. -0.000 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

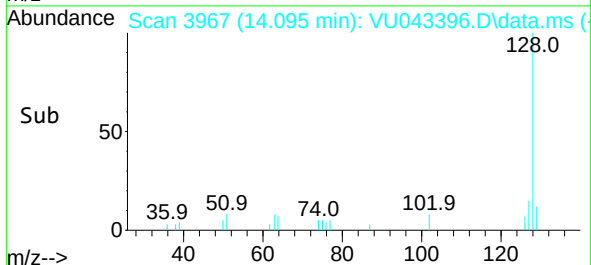
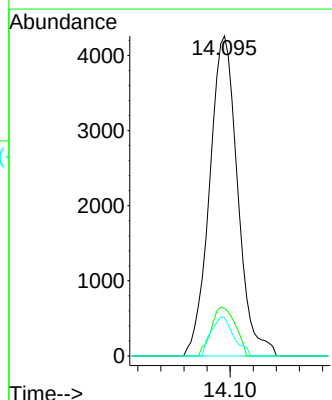
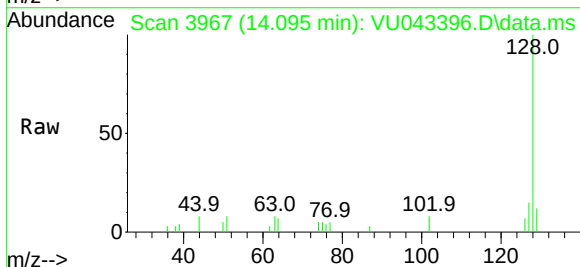
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-TB-20210423

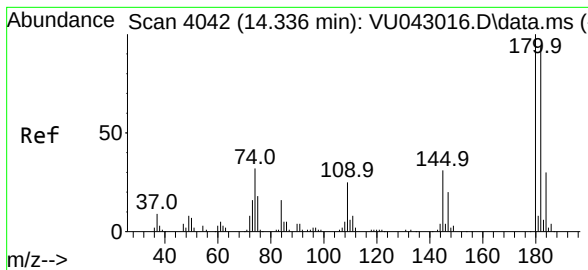
Tgt Ion:	225	Resp:	219
Ion	Ratio	Lower	Upper
225	100		
223	73.1	32.3	96.9
227	70.8	31.8	95.4



#95
Naphthalene
Concen: 3.85 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043396.D
Acq: 28 Apr 2021 19:09

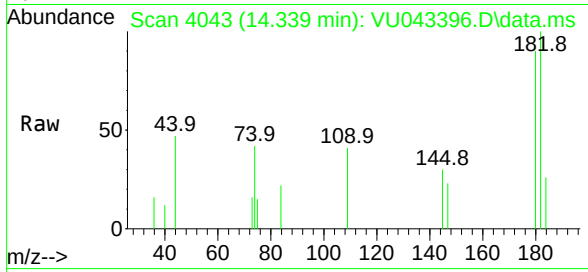
Tgt Ion:	128	Resp:	7182
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	9.9	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.18 ug/l
 RT: 14.339 min Scan# 4043
 Delta R.T. 0.003 min
 Lab File: VU043396.D
 Acq: 28 Apr 2021 19:09

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW8-TB-20210423



Tgt Ion:	180	Resp:	1390
Ion	Ratio	Lower	Upper
180	100		
182	103.4	48.0	144.0
145	30.9	15.5	46.5

