

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111021\
 Data File : VU045721.D
 Acq On : 11 Nov 2021 04:50
 Operator : SY/MD
 Sample : M4594-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BRP2-20211108

Quant Time: Nov 11 13:10:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

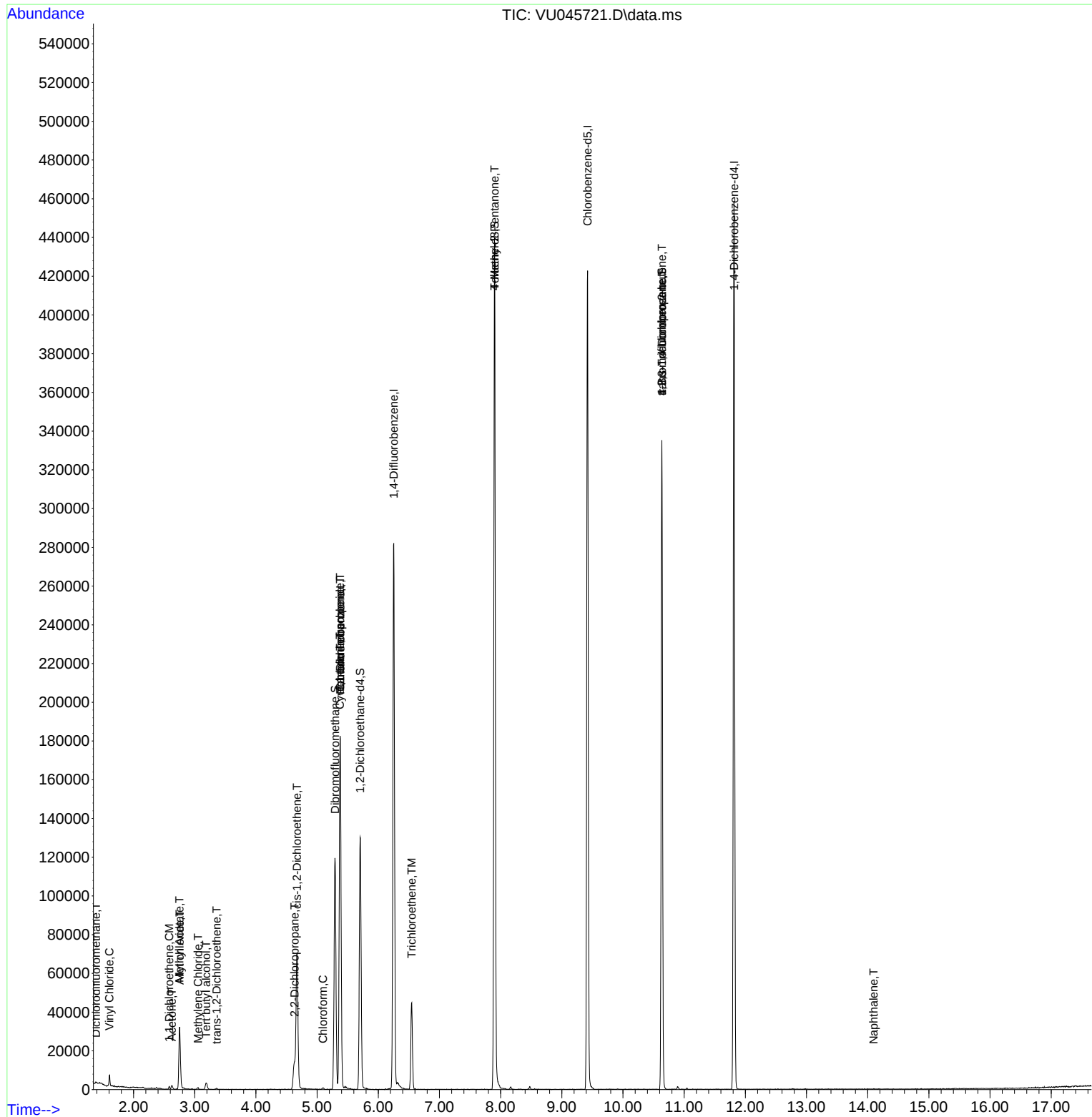
Internal Standards						
1) Pentafluorobenzene	5.379	168	119306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	221961	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	230232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	114530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	96980	54.278	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.560%	
35) Dibromofluoromethane	5.292	113	75872	51.199	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.400%	
50) Toluene-d8	7.899	98	291911	52.974	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.940%	
62) 4-Bromofluorobenzene	10.636	95	112081	50.723	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.440%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	431	0.279	ug/l	98
4) Vinyl Chloride	1.607	62	3509	2.035	ug/l	100
11) Tert butyl alcohol	3.186	59	2272	6.424	ug/l #	72
12) 1,1-Dichloroethene	2.585	96	308	0.235	ug/l #	59
14) Allyl chloride	2.755	41	3318	1.416	ug/l #	66
16) Acetone	2.626	43	2453	2.697	ug/l	98
18) Methyl Acetate	2.752	43	8593	2.774	ug/l #	50
20) Methylene Chloride	3.054	84	459	0.290	ug/l	86
21) trans-1,2-Dichloroethene	3.359	96	307	0.225	ug/l	96
26) 2,2-Dichloropropane	4.633	77	904	0.398	ug/l #	53
27) cis-1,2-Dichloroethene	4.671	96	35890	22.377	ug/l	89
30) Chloroform	5.096	83	749	0.276	ug/l	91
31) Cyclohexane	5.372	56	2771	1.063	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	11281	5.212	ug/l #	49
38) Carbon Tetrachloride	5.375	117	13194	6.047	ug/l #	16
44) Trichloroethene	6.546	130	14630	9.538	ug/l	99
51) 4-Methyl-2-Pentanone	7.899	43	1209	0.482	ug/l #	1
76) 1,2,3-Trichloropropane	10.636	75	59128	17.024	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.636	75	59128	55.424	ug/l #	12
95) Naphthalene	14.099	128	119	1.041	ug/l #	69

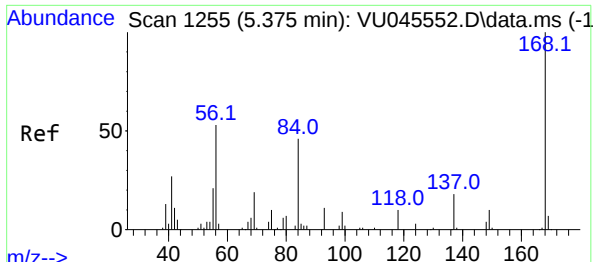
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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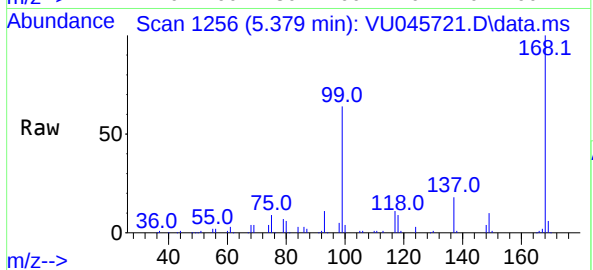
Quant Time: Nov 11 13:10:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
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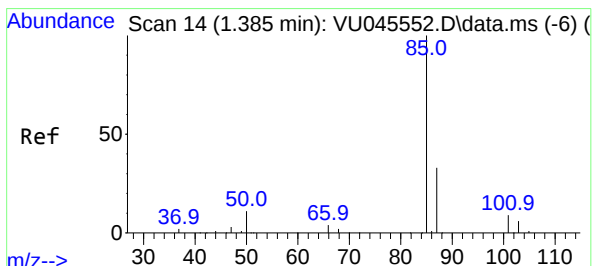
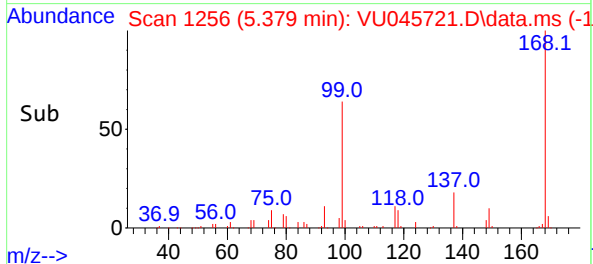
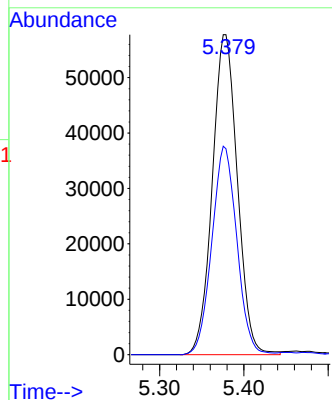


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Instrument :
MSVOA_U
ClientSampleId :
BRP2-20211108

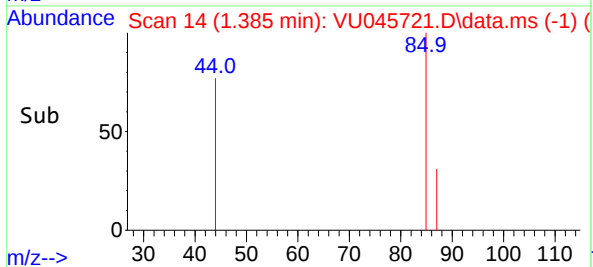
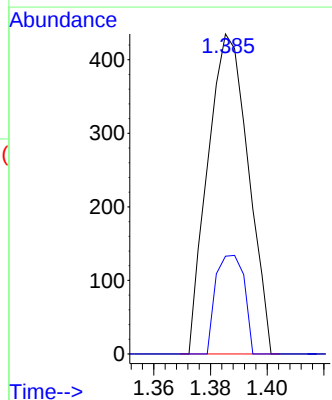
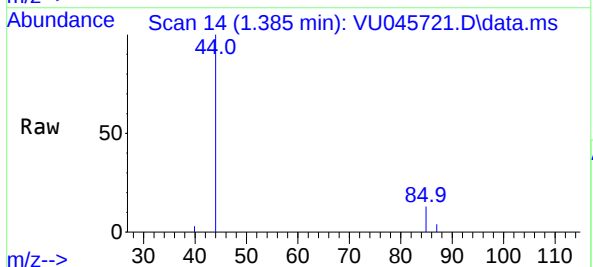


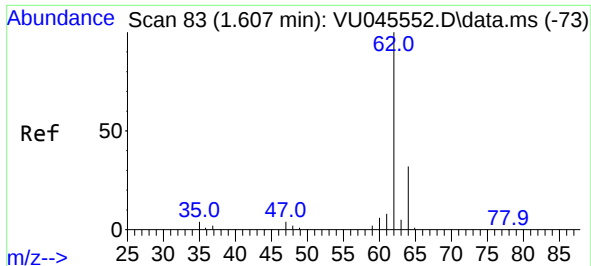
Tgt Ion:168 Resp: 119306
Ion Ratio Lower Upper
168 100
99 64.4 51.0 76.6



#2
Dichlorodifluoromethane
Concen: 0.279 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Tgt Ion: 85 Resp: 431
Ion Ratio Lower Upper
85 100
87 30.6 15.9 47.7

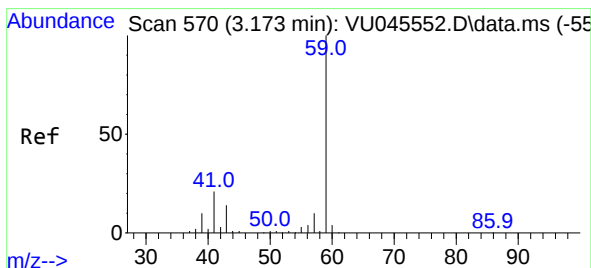
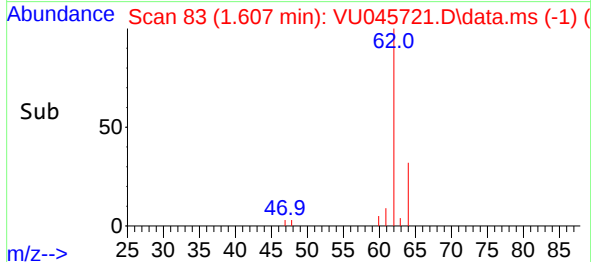
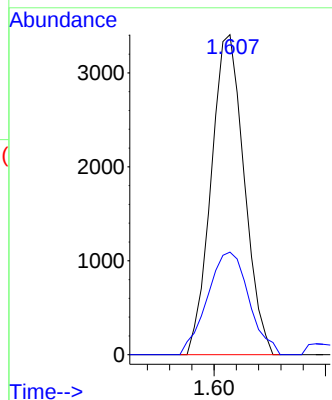
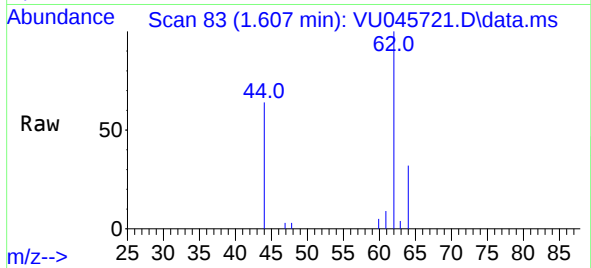




#4
 Vinyl Chloride
 Concen: 2.035 ug/l
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU045721.D
 Acq: 11 Nov 2021 04:50

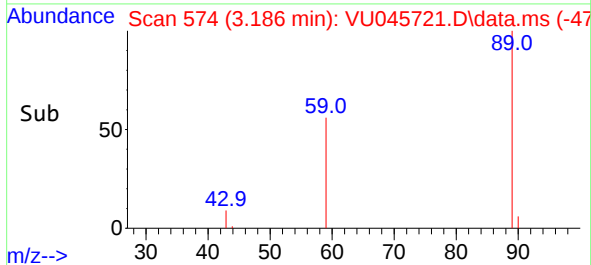
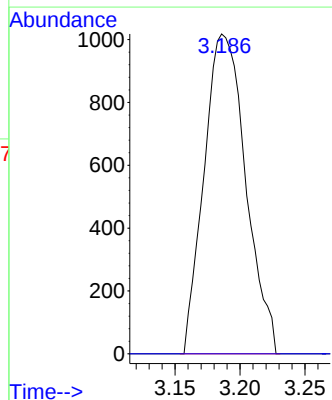
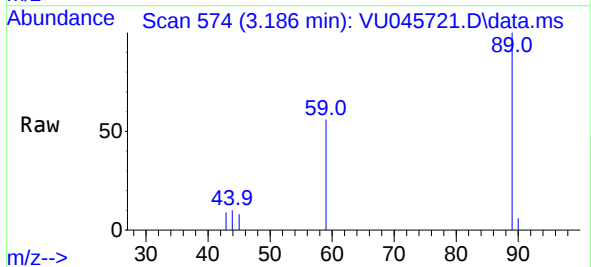
Instrument :
 MSVOA_U
 ClientSampleId :
 BRP2-20211108

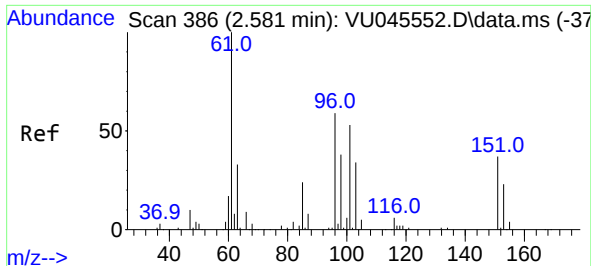
Tgt Ion: 62 Resp: 3509
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.8 38.6



#11
 Tert butyl alcohol
 Concen: 6.424 ug/l
 RT: 3.186 min Scan# 574
 Delta R.T. 0.013 min
 Lab File: VU045721.D
 Acq: 11 Nov 2021 04:50

Tgt Ion: 59 Resp: 2272
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.235 ug/l

RT: 2.585 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU045721.D

Acq: 11 Nov 2021 04:50

Instrument :

MSVOA_U

ClientSampleId :

BRP2-20211108

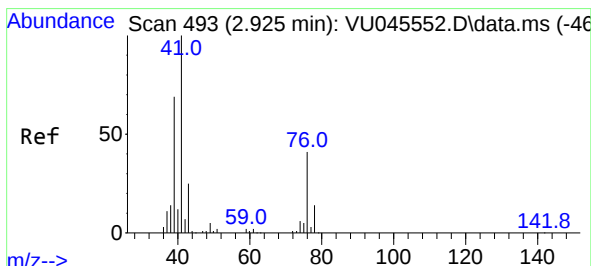
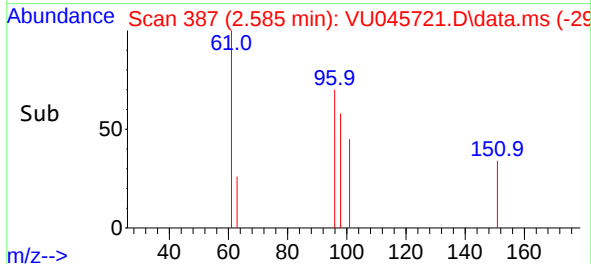
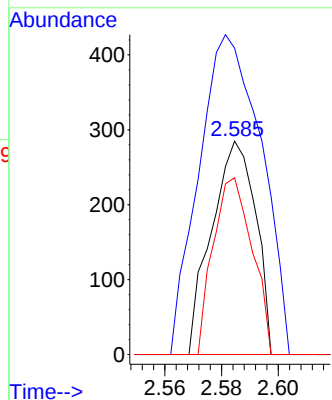
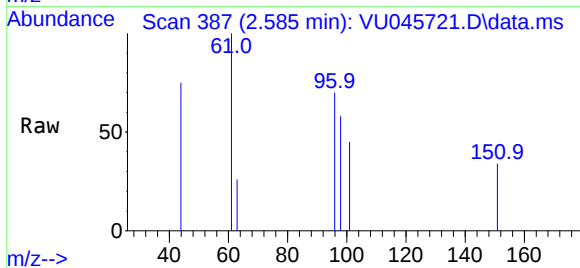
Tgt Ion: 96 Resp: 308

Ion Ratio Lower Upper

96 100

61 106.0 137.1 205.7#

98 82.8 51.5 77.3#



#14

Allyl chloride

Concen: 1.416 ug/l

RT: 2.755 min Scan# 440

Delta R.T. -0.170 min

Lab File: VU045721.D

Acq: 11 Nov 2021 04:50

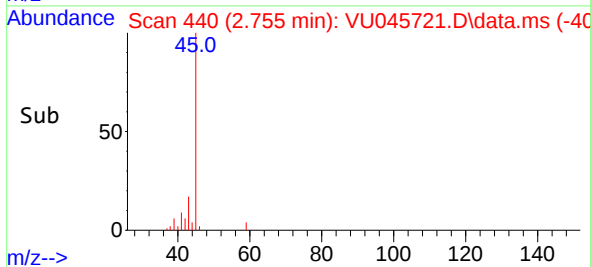
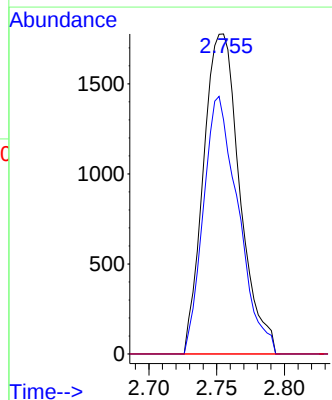
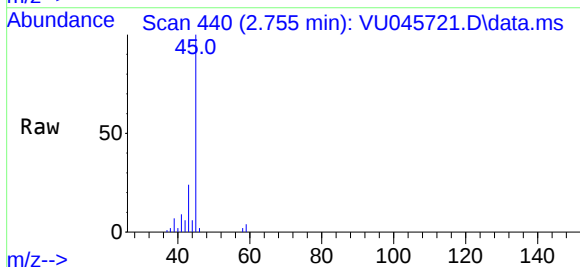
Tgt Ion: 41 Resp: 3318

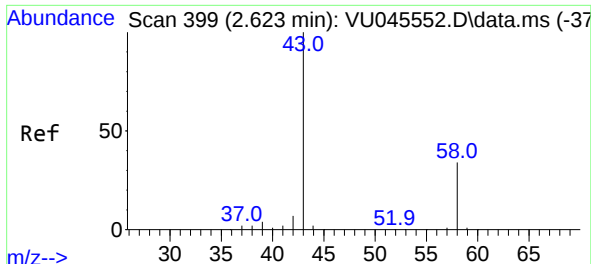
Ion Ratio Lower Upper

41 100

39 77.2 49.7 74.5#

76 0.0 27.7 41.5#

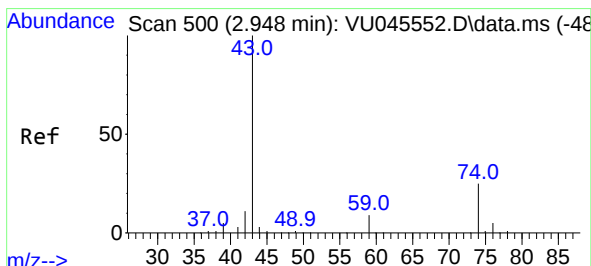
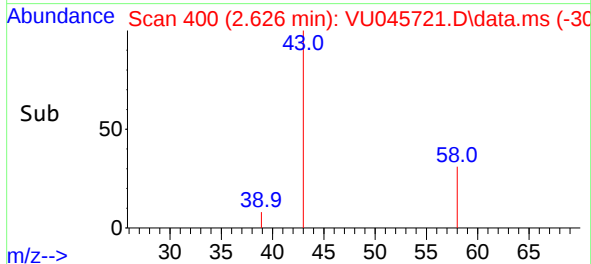
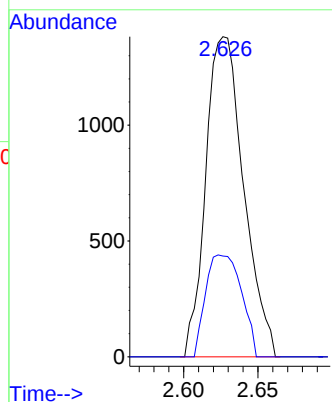
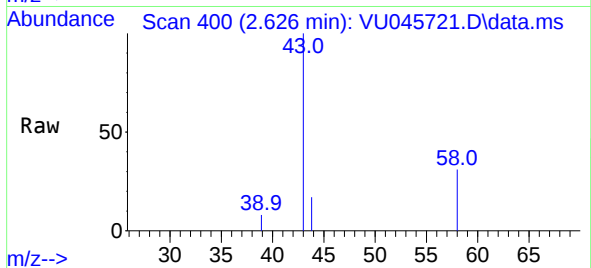




#16
Acetone
Concen: 2.697 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

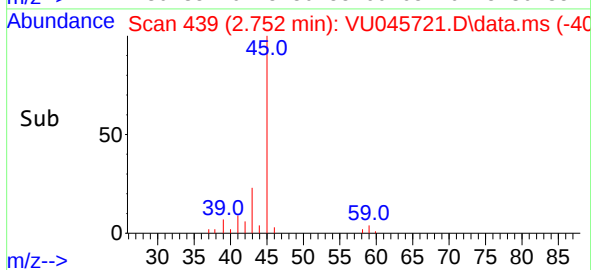
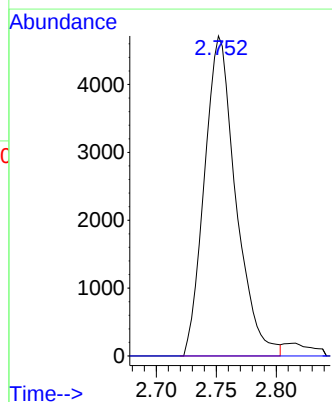
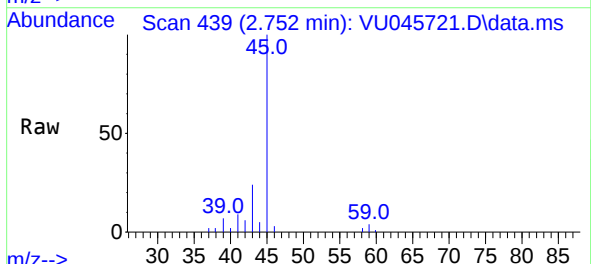
Instrument :
MSVOA_U
ClientSampleId :
BRP2-20211108

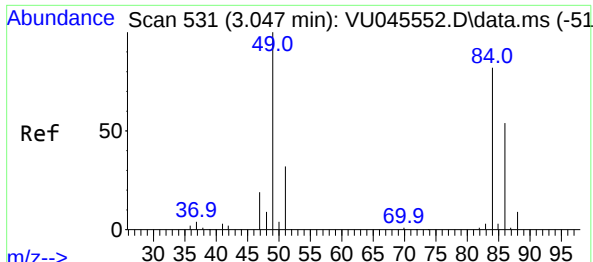
Tgt Ion: 43 Resp: 2453
Ion Ratio Lower Upper
43 100
58 31.5 26.2 39.2



#18
Methyl Acetate
Concen: 2.774 ug/l
RT: 2.752 min Scan# 439
Delta R.T. -0.196 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Tgt Ion: 43 Resp: 8593
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



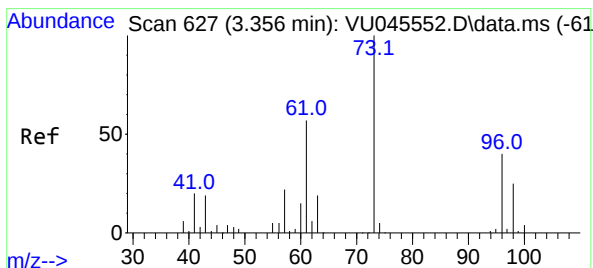
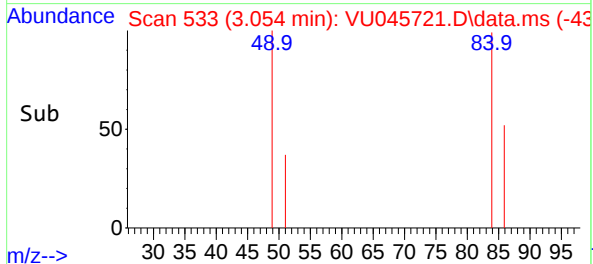
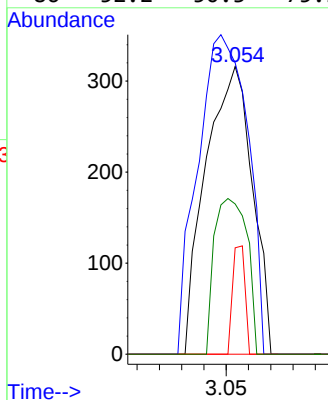
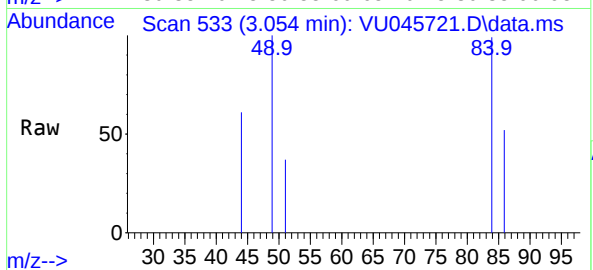


#20
Methylene Chloride
Concen: 0.290 ug/l
RT: 3.054 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Instrument :
MSVOA_U
ClientSampleId :
BRP2-20211108

Tgt Ion: 84 Resp: 459

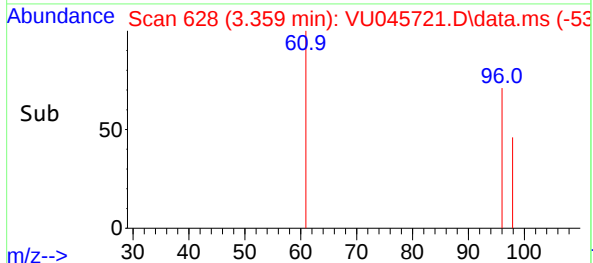
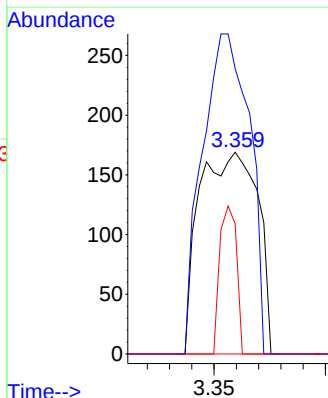
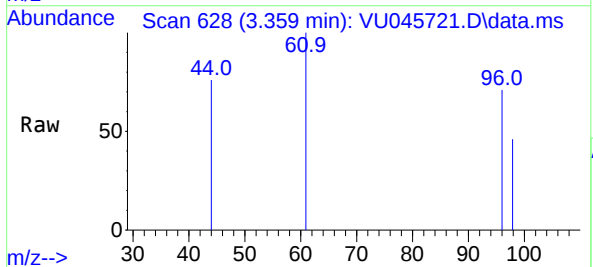
Ion	Ratio	Lower	Upper
84	100		
49	101.3	96.4	144.6
51	37.0	30.5	45.7
86	52.2	50.3	75.5

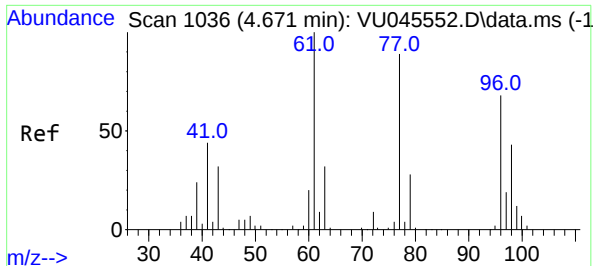


#21
trans-1,2-Dichloroethene
Concen: 0.225 ug/l
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Tgt Ion: 96 Resp: 307

Ion	Ratio	Lower	Upper
96	100		
61	141.4	118.2	177.4
98	64.5	52.1	78.1

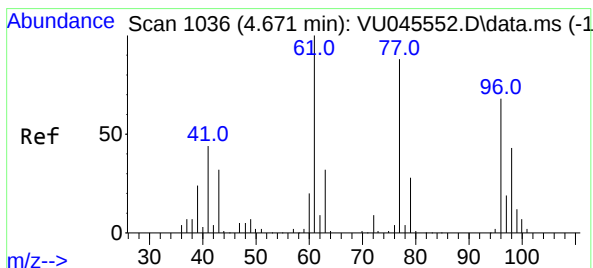
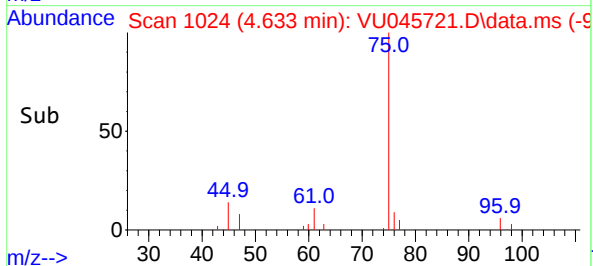
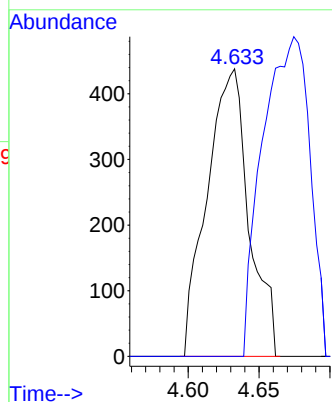
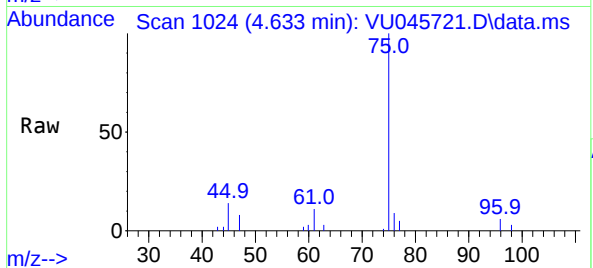




#26
2,2-Dichloropropane
Concen: 0.398 ug/l
RT: 4.633 min Scan# 1024
Delta R.T. -0.038 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

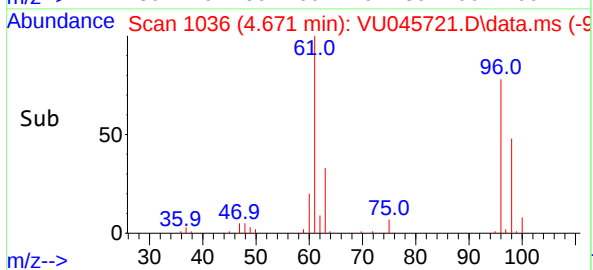
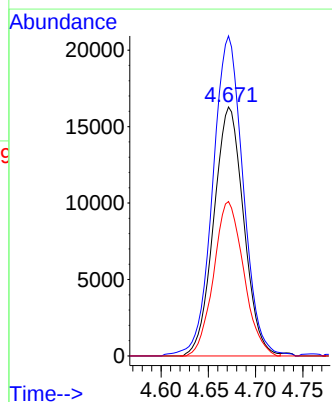
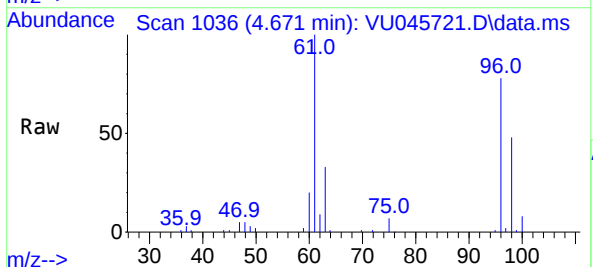
Instrument :
MSVOA_U
ClientSampleId :
BRP2-20211108

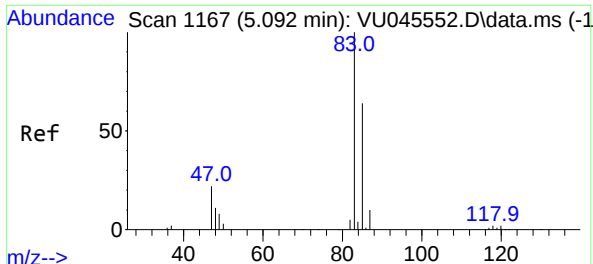
Tgt Ion: 77 Resp: 904
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.1#



#27
cis-1,2-Dichloroethene
Concen: 22.377 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Tgt Ion: 96 Resp: 35890
Ion Ratio Lower Upper
96 100
61 130.3 0.0 299.2
98 62.2 0.0 127.6





#30

Chloroform

Concen: 0.276 ug/l

RT: 5.096 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VU045721.D

Acq: 11 Nov 2021 04:50

Instrument :

MSVOA_U

ClientSampleId :

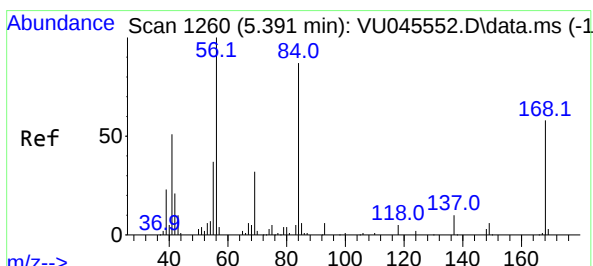
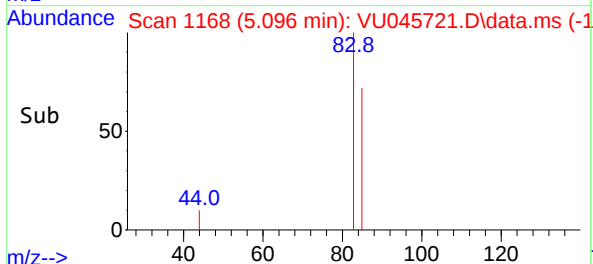
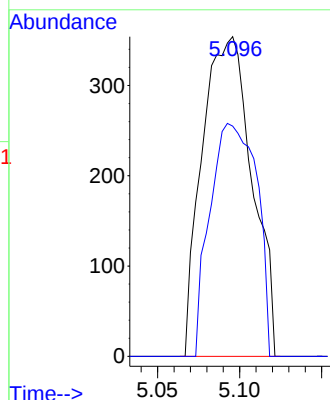
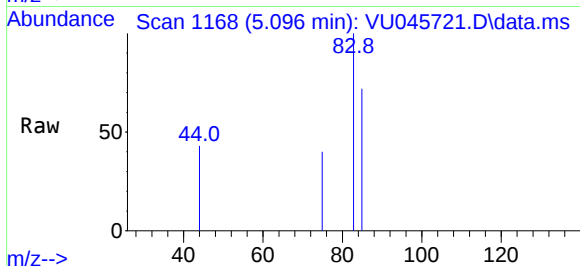
BRP2-20211108

Tgt Ion: 83 Resp: 749

Ion Ratio Lower Upper

83 100

85 72.0 52.0 78.0



#31

Cyclohexane

Concen: 1.063 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU045721.D

Acq: 11 Nov 2021 04:50

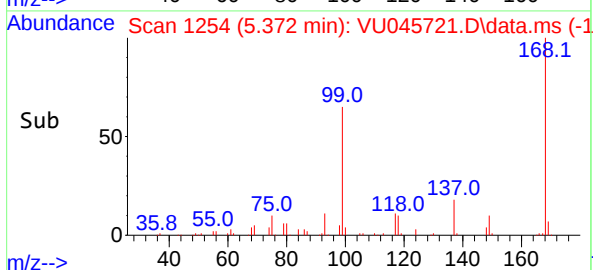
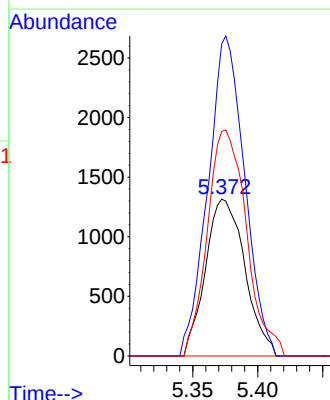
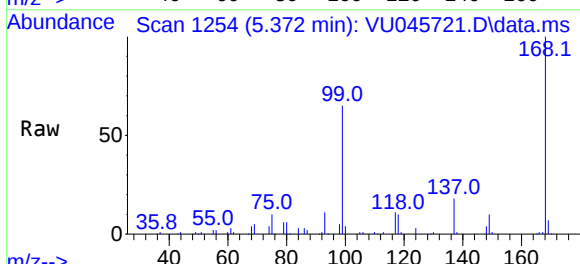
Tgt Ion: 56 Resp: 2771

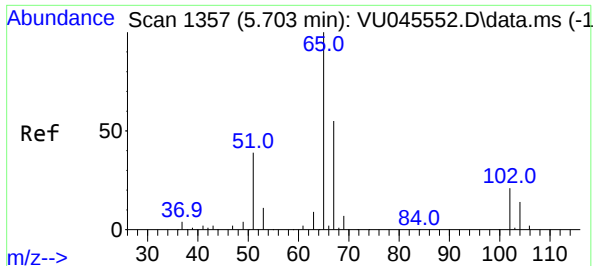
Ion Ratio Lower Upper

56 100

69 198.9 26.4 39.6#

84 143.2 68.4 102.6#

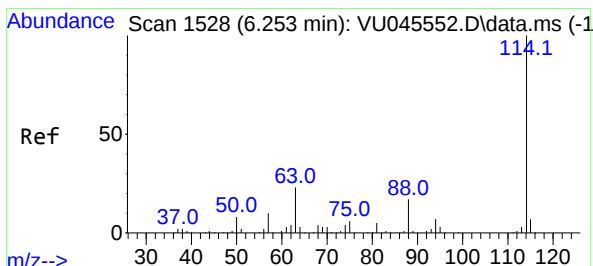
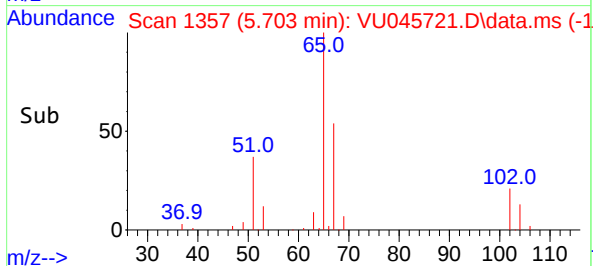
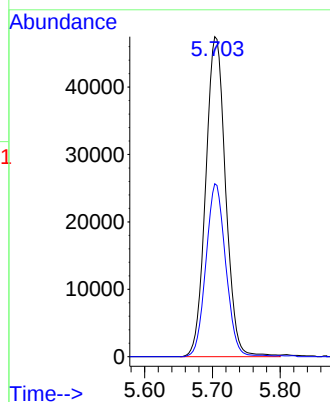
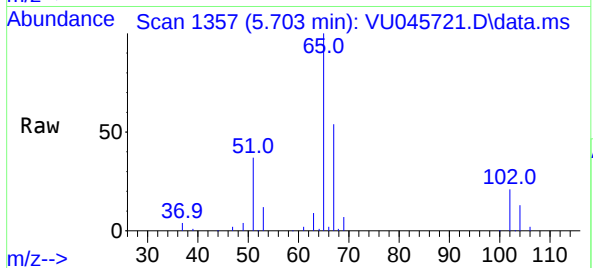




#33
1,2-Dichloroethane-d4
Concen: 54.278 ug/l
RT: 5.703 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

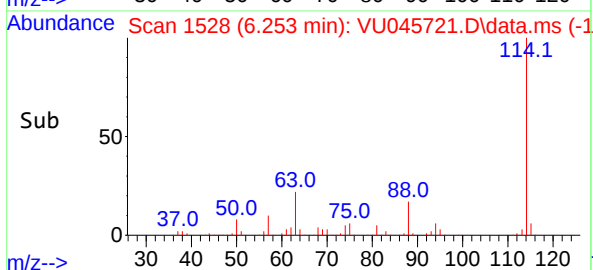
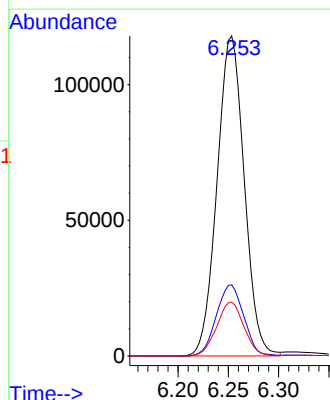
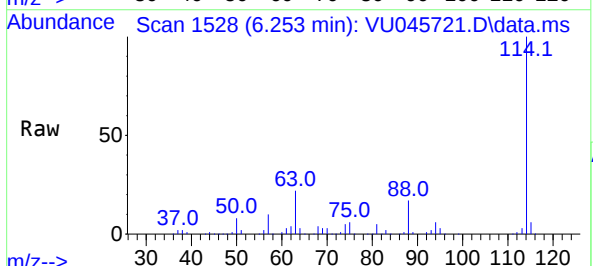
Instrument :
MSVOA_U
ClientSampleId :
BRP2-20211108

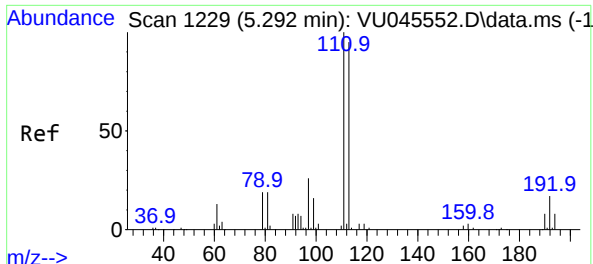
Tgt Ion: 65 Resp: 96980
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Tgt Ion: 114 Resp: 221961
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.6
88 16.8 0.0 33.8

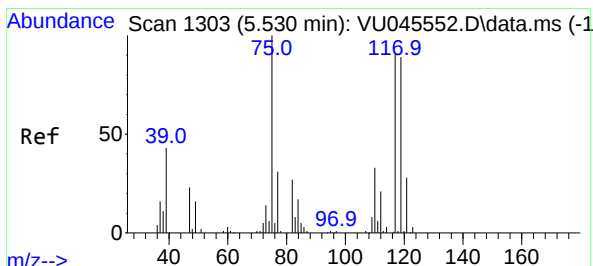
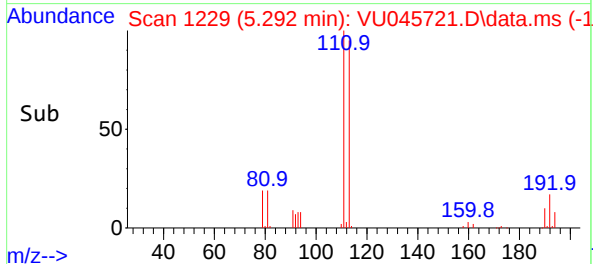
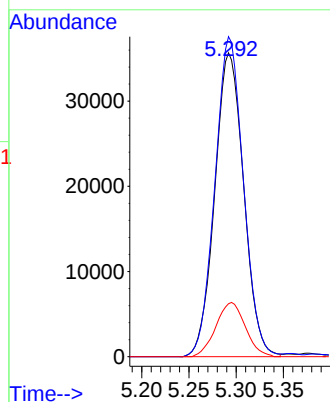
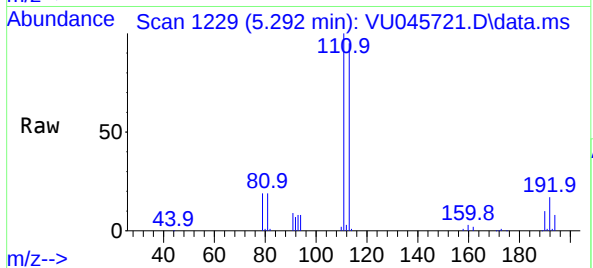




#35
Dibromofluoromethane
Concen: 51.199 ug/l
RT: 5.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

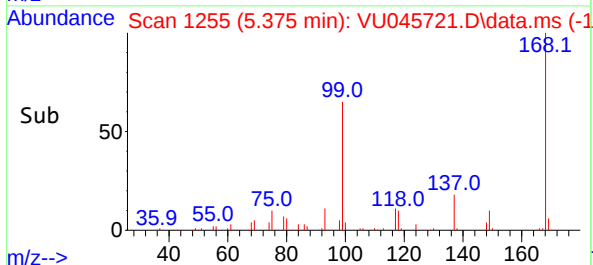
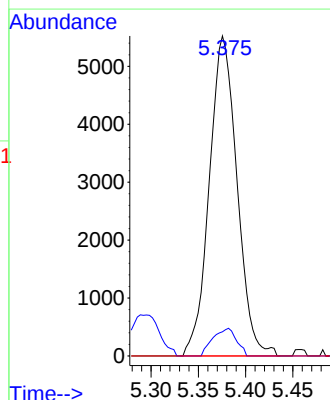
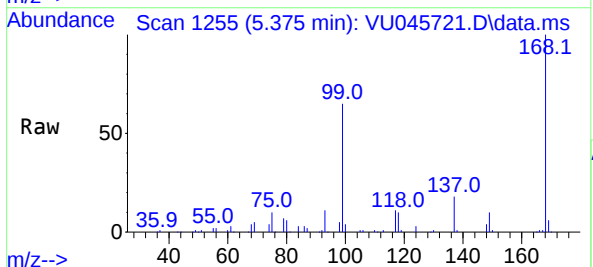
Instrument :
MSVOA_U
ClientSampleId :
BRP2-20211108

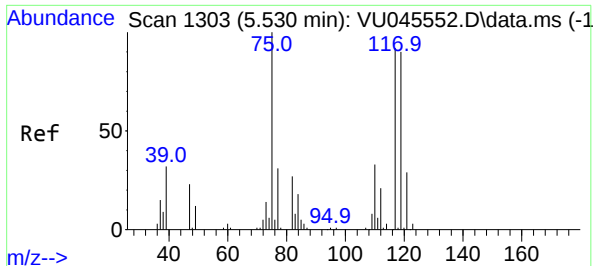
Tgt Ion:113 Resp: 75872
Ion Ratio Lower Upper
113 100
111 103.6 82.8 124.2
192 18.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.212 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

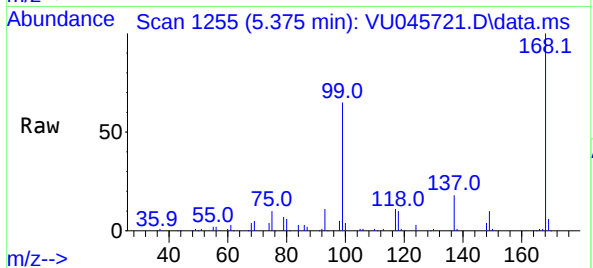
Tgt Ion: 75 Resp: 11281
Ion Ratio Lower Upper
75 100
110 7.3 16.7 50.0#
77 0.0 25.0 37.4#



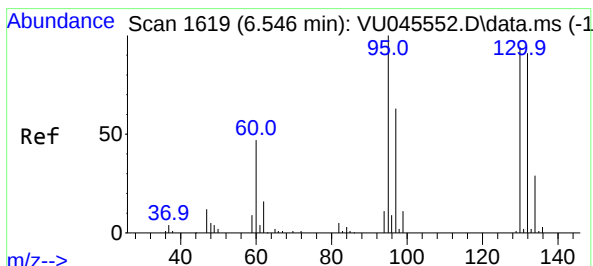
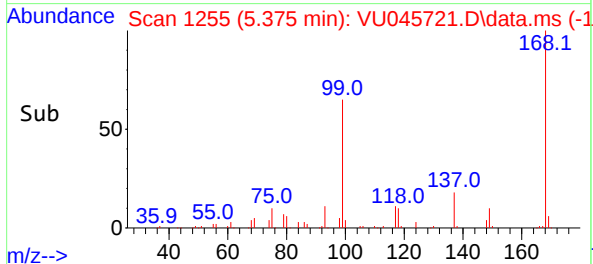
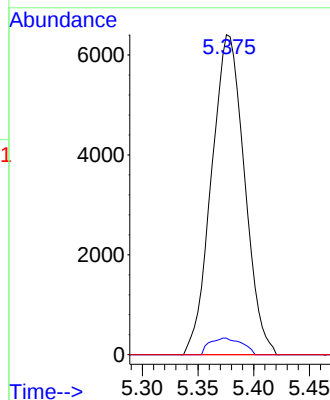


#38
Carbon Tetrachloride
Concen: 6.047 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Instrument :
MSVOA_U
ClientSampleId :
BRP2-20211108

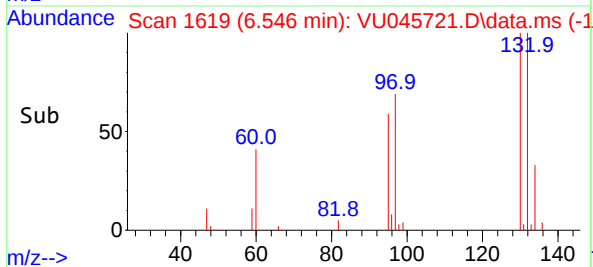
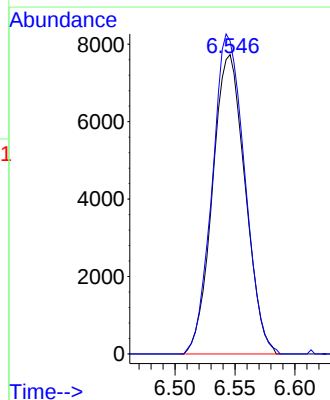
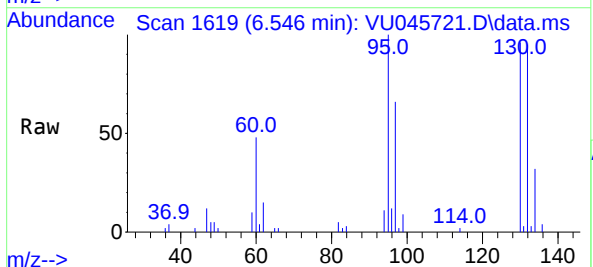


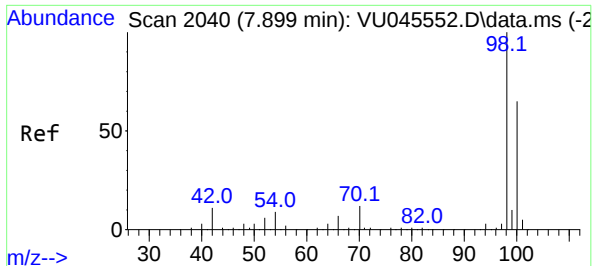
Tgt Ion:117 Resp: 13194
Ion Ratio Lower Upper
117 100
119 5.1 77.4 116.0#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 9.538 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Tgt Ion:130 Resp: 14630
Ion Ratio Lower Upper
130 100
95 104.5 0.0 211.4

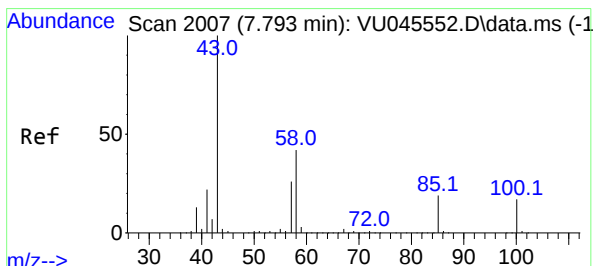
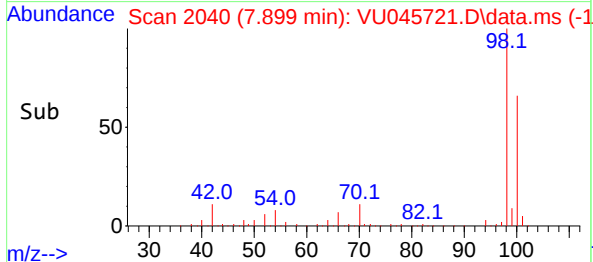
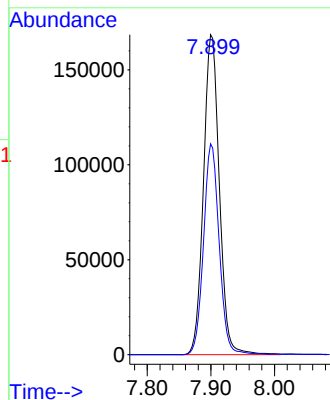
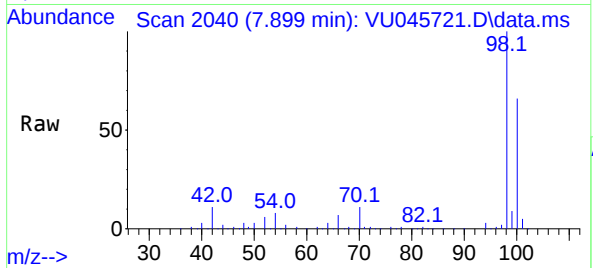




#50
Toluene-d8
Concen: 52.974 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

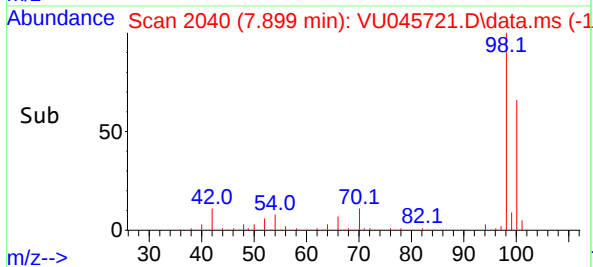
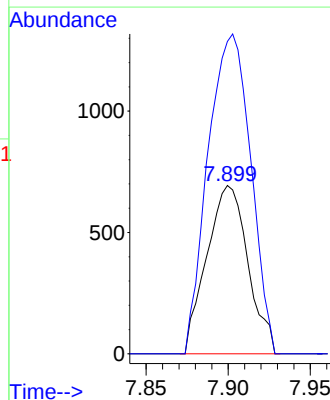
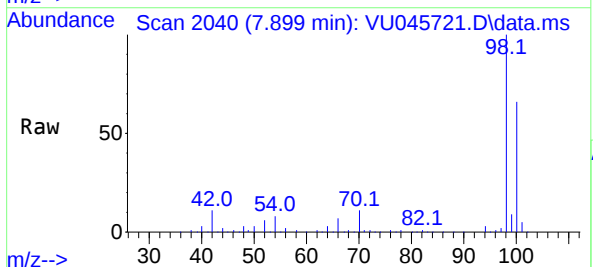
Instrument :
MSVOA_U
ClientSampleId :
BRP2-20211108

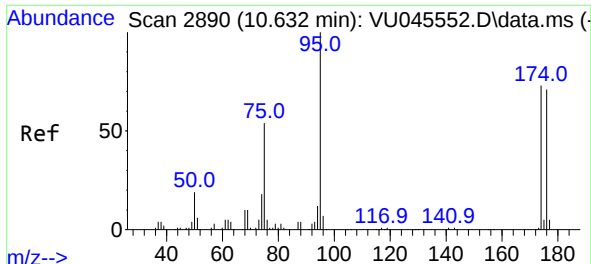
Tgt Ion: 98 Resp: 291911
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.482 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.106 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
58 197.4 33.8 50.8#

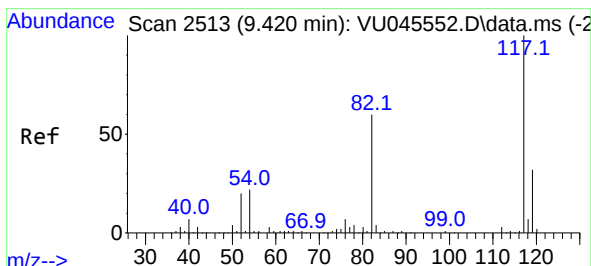
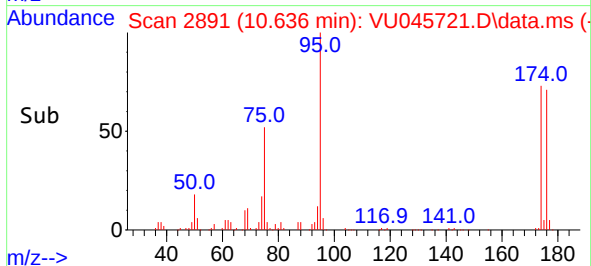
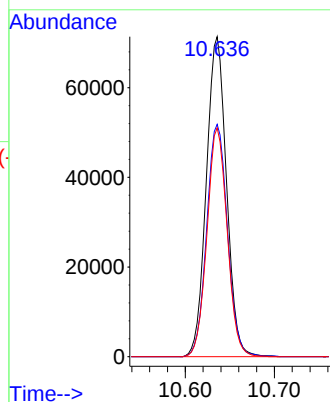
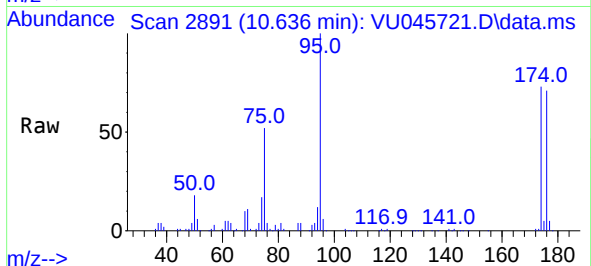




#62
4-Bromofluorobenzene
Concen: 50.723 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

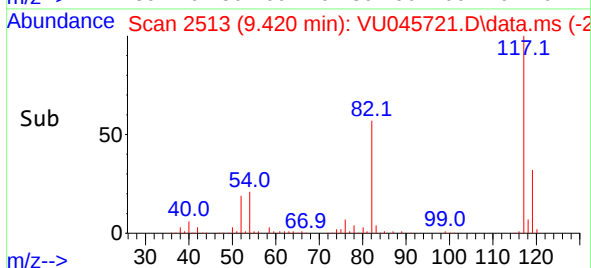
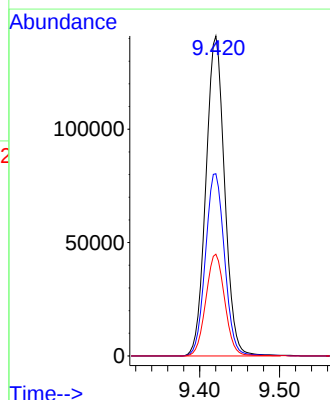
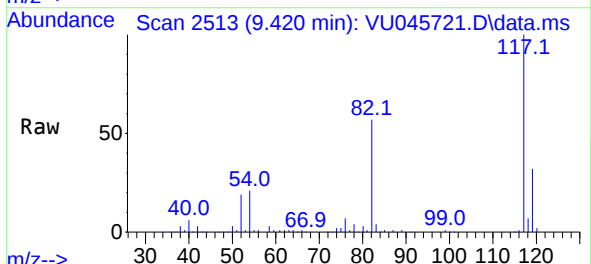
Instrument :
MSVOA_U
ClientSampleId :
BRP2-20211108

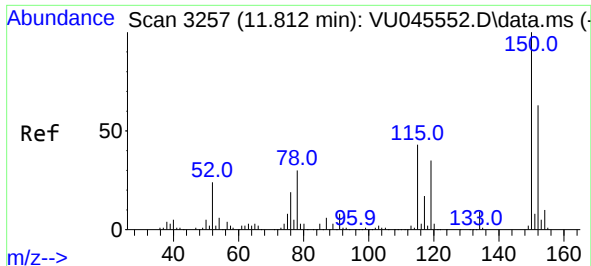
Tgt Ion: 95 Resp: 112081
Ion Ratio Lower Upper
95 100
174 75.0 0.0 141.8
176 71.5 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Tgt Ion: 117 Resp: 230232
Ion Ratio Lower Upper
117 100
82 57.0 47.8 71.8
119 31.8 25.8 38.8

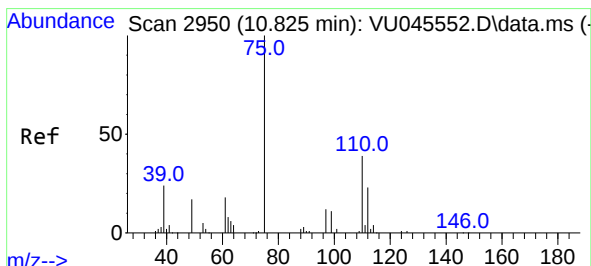
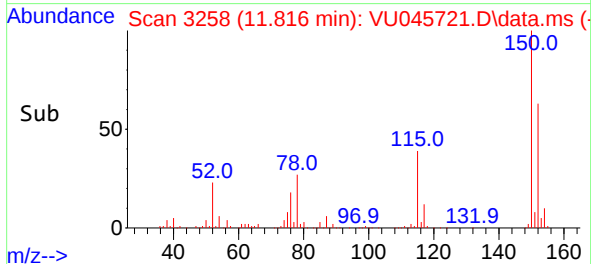
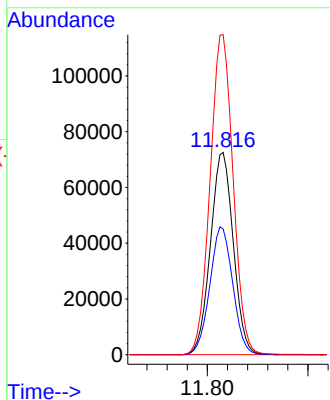
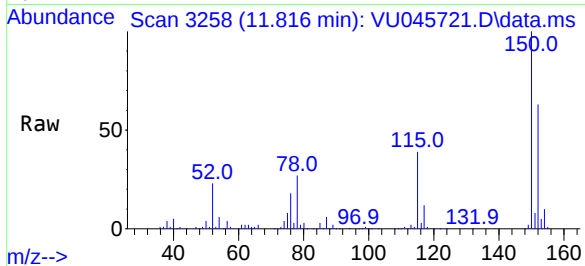




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

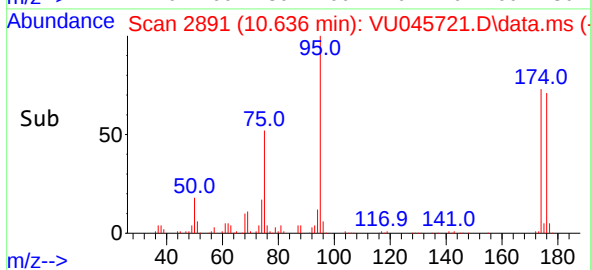
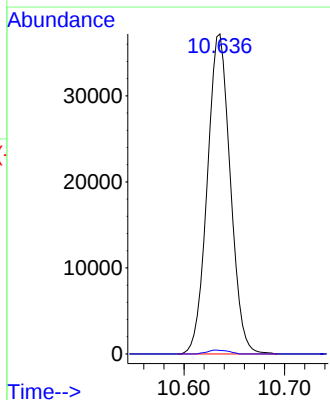
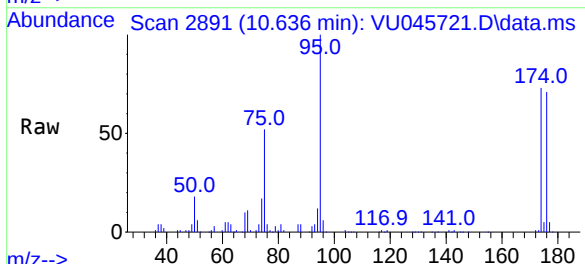
Instrument :
MSVOA_U
ClientSampleId :
BRP2-20211108

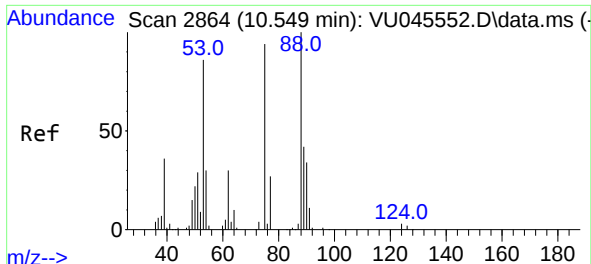
Tgt Ion:152 Resp: 114530
Ion Ratio Lower Upper
152 100
115 63.4 42.7 128.1
150 159.3 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 17.024 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.189 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Tgt Ion: 75 Resp: 59128
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#

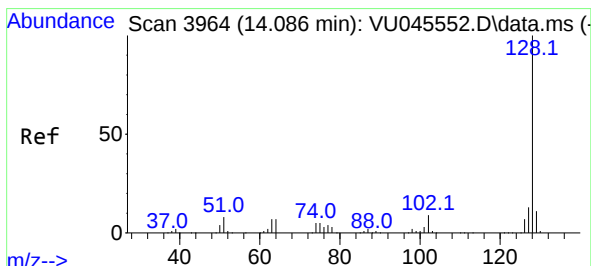
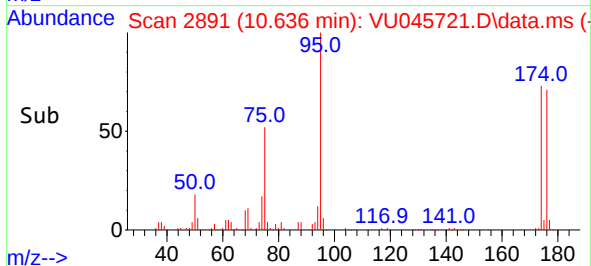
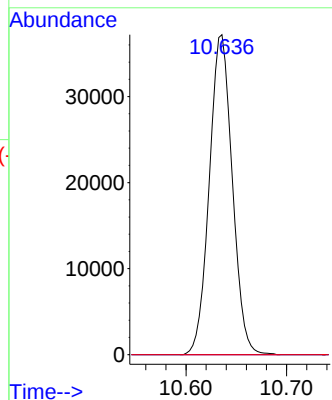
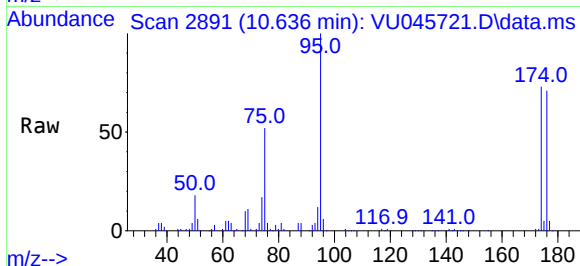




#81
trans-1,4-Dichloro-2-butene
Concen: 55.424 ug/l
RT: 10.636 min Scan# 2864
Delta R.T. 0.087 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Instrument :
MSVOA_U
ClientSampleId :
BRP2-20211108

Tgt Ion: 75 Resp: 59128
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.041 ug/l
RT: 14.099 min Scan# 3968
Delta R.T. 0.013 min
Lab File: VU045721.D
Acq: 11 Nov 2021 04:50

Tgt Ion: 128 Resp: 119
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

