

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU045030.D
 Acq On : 30 Sep 2021 06:36
 Operator : SY/MD
 Sample : M3971-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RO-COMP-2

Quant Time: Sep 30 08:29:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

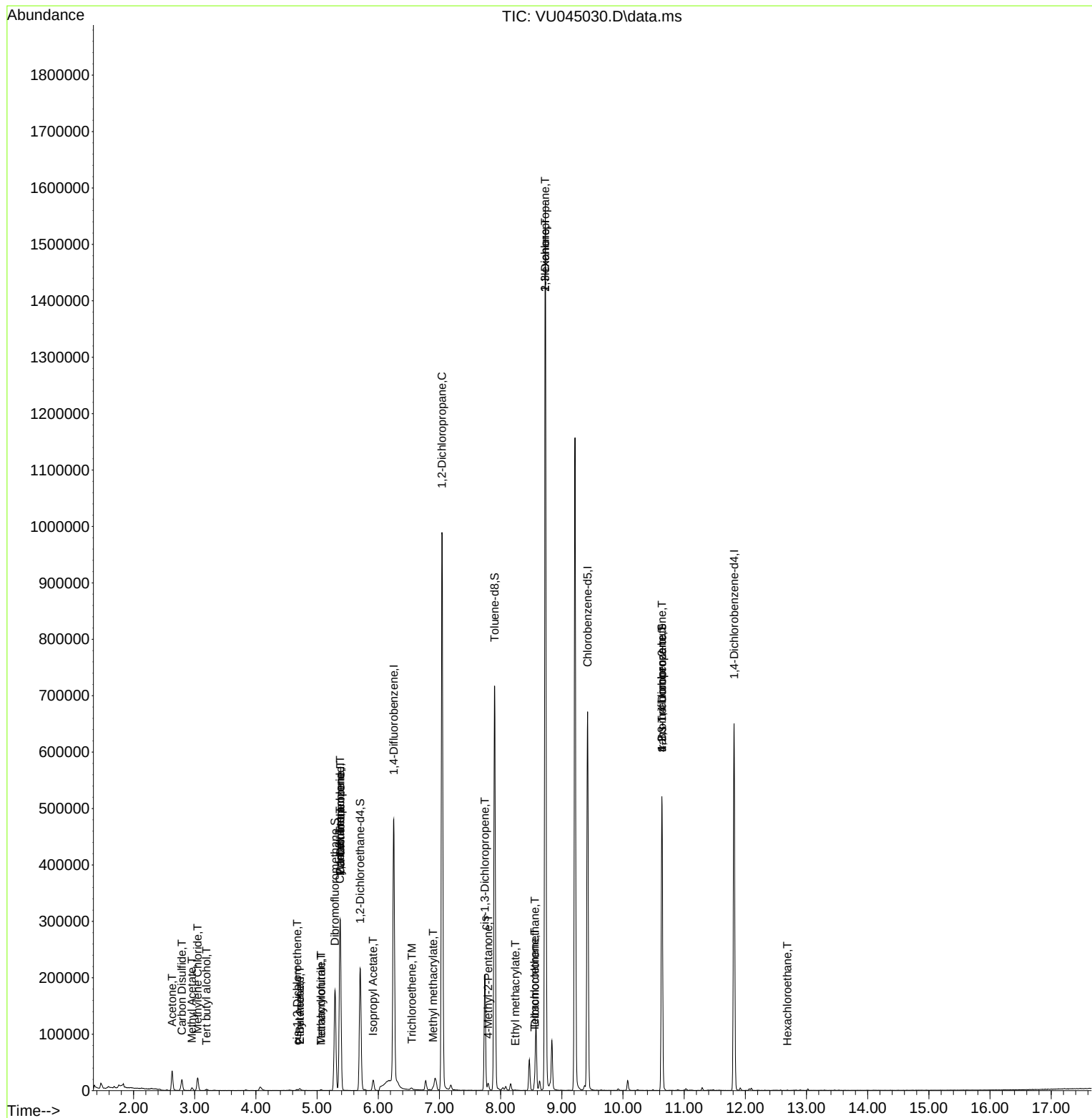
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

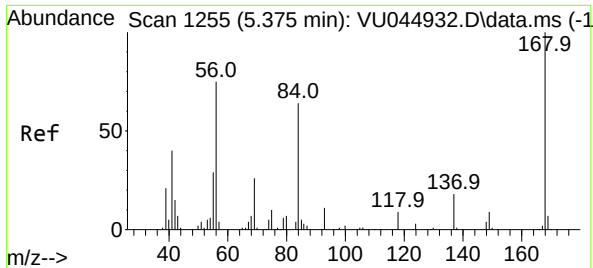
Internal Standards						
1) Pentafluorobenzene	5.379	168	199819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	361426	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	346283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	157842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.704	65	161286	48.489	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.980%		
35) Dibromofluoromethane	5.292	113	112375	49.287	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.580%		
50) Toluene-d8	7.903	98	463108	51.407	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.820%		
62) 4-Bromofluorobenzene	10.636	95	171004	45.978	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.960%		
Target Compounds						Qvalue
11) Tert butyl alcohol	3.192	59	1796	1.881	ug/l #	72
16) Acetone	2.630	43	38088	19.291	ug/l	98
17) Carbon Disulfide	2.790	76	19663	2.812	ug/l	99
18) Methyl Acetate	2.954	43	6465	1.120	ug/l	96
20) Methylene Chloride	3.048	84	10501	3.531	ug/l	94
25) 2-Butanone	4.716	43	5549	1.978	ug/l	100
27) cis-1,2-Dichloroethene	4.675	96	873	0.285	ug/l	96
29) Tetrahydrofuran	5.064	42	902	0.540	ug/l #	72
31) Cyclohexane	5.372	56	5306	1.050	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	18145	4.801	ug/l #	50
37) Ethyl Acetate	4.716	43	5549	1.110	ug/l #	69
38) Carbon Tetrachloride	5.376	117	21553	6.590	ug/l #	15
41) Methacrylonitrile	5.064	41	535	0.208	ug/l #	41
43) Isopropyl Acetate	5.916	43	20413	2.713	ug/l	100
44) Trichloroethene	6.549	130	661	0.249	ug/l	74
45) 1,2-Dichloropropane	7.041	63	1158	0.388	ug/l #	45
48) Methyl methacrylate	6.896	41	8256	2.254	ug/l #	14
49) 1,4-Dioxane	7.038	88	92	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.797	43	8705	1.589	ug/l	92
54) cis-1,3-Dichloropropene	7.742	75	35337	7.599	ug/l #	61
56) Ethyl methacrylate	8.240	69	135	1.844	ug/l #	24
57) 1,3-Dichloropropane	8.729	76	15826	3.021	ug/l #	43
59) 2-Hexanone	8.729	43	215338	48.278	ug/l #	50
60) Dibromochloromethane	8.559	129	786	2.418	ug/l #	10
64) Tetrachloroethene	8.556	164	859	0.380	ug/l	91
76) 1,2,3-Trichloropropane	10.636	75	93530	20.315	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	93530	56.378	ug/l #	9
90) Hexachloroethane	12.687	117	578	0.309	ug/l #	15

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

Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-2

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Quant Title : SW846 8260
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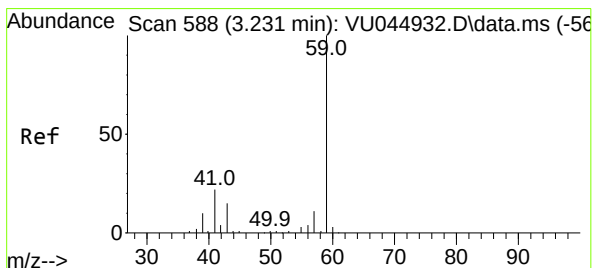
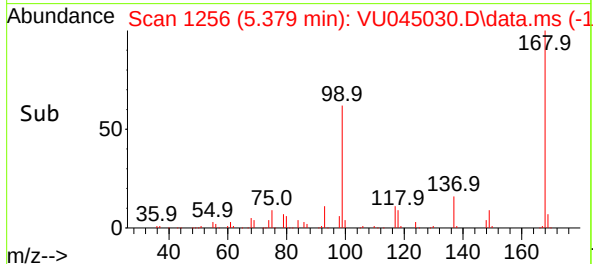
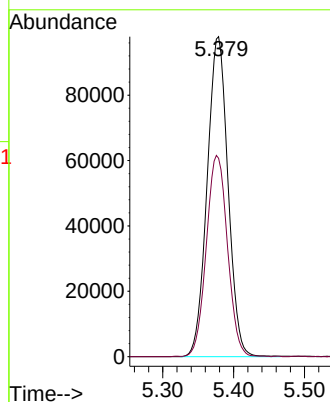
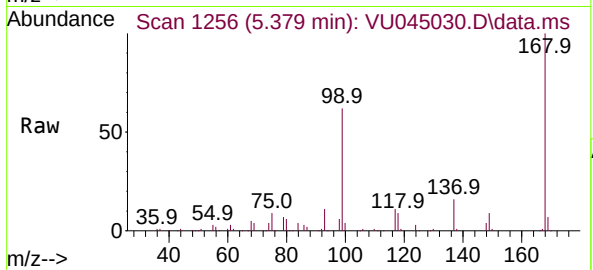




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.004 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

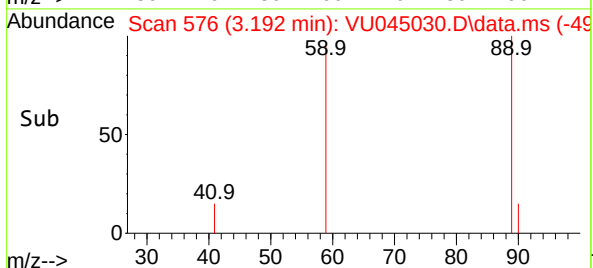
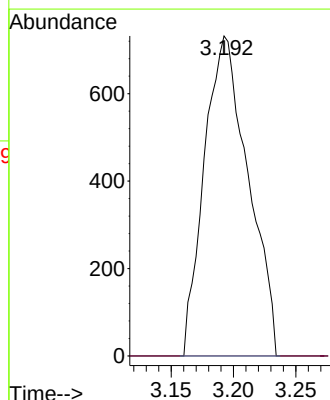
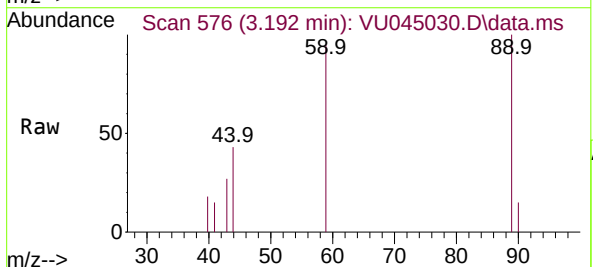
Instrument :
MSVOA_U
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RO-COMP-2

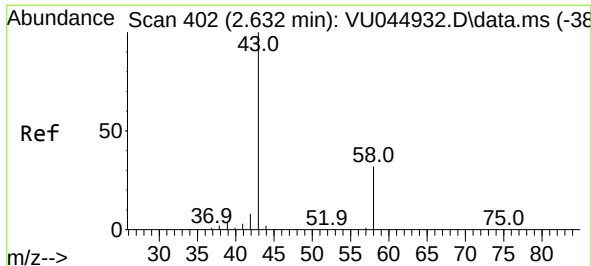
Tgt Ion:168 Resp: 199819
Ion Ratio Lower Upper
168 100
99 61.9 51.4 77.0



#11
Tert butyl alcohol
Concen: 1.881 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.039 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Tgt Ion: 59 Resp: 1796
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

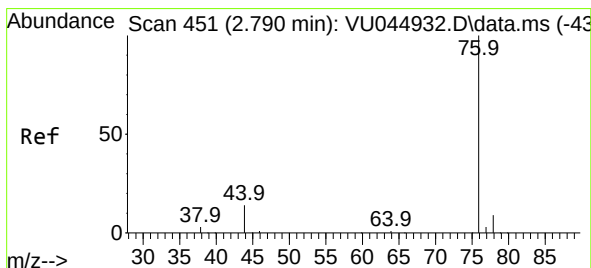
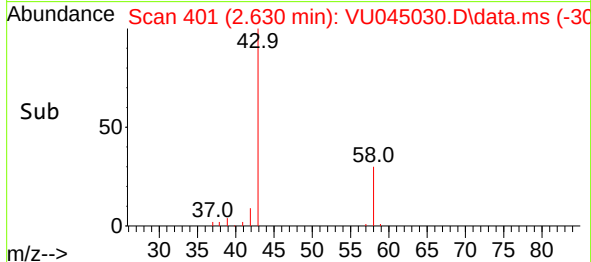
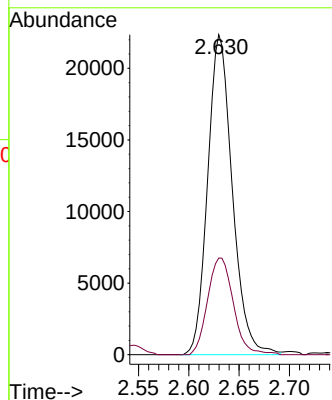
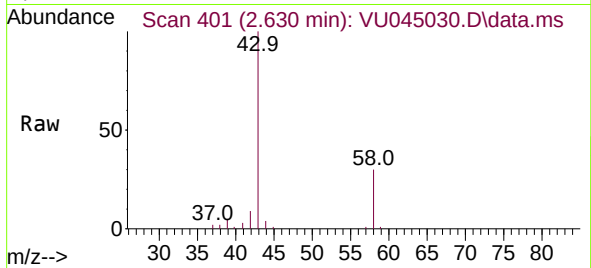




#16
Acetone
Concen: 19.291 ug/l
RT: 2.630 min Scan# 401
Delta R.T. -0.002 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

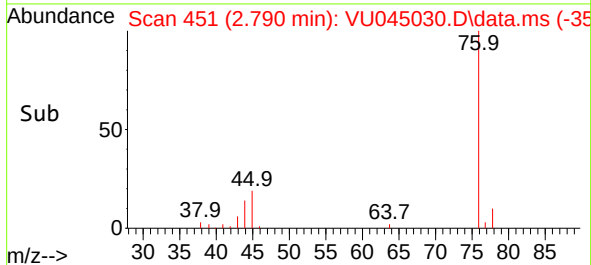
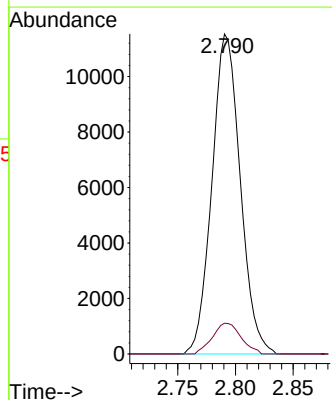
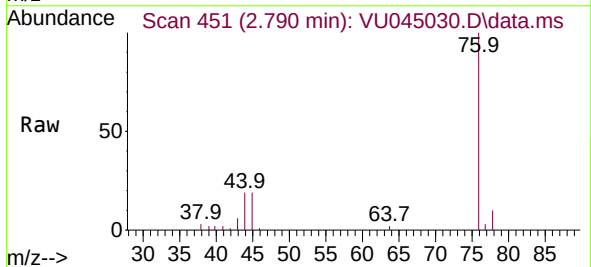
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-2

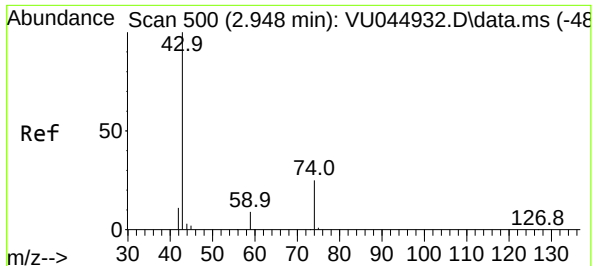
Tgt Ion: 43 Resp: 38088
Ion Ratio Lower Upper
43 100
58 30.2 25.2 37.8



#17
Carbon Disulfide
Concen: 2.812 ug/l
RT: 2.790 min Scan# 451
Delta R.T. 0.000 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Tgt Ion: 76 Resp: 19663
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0

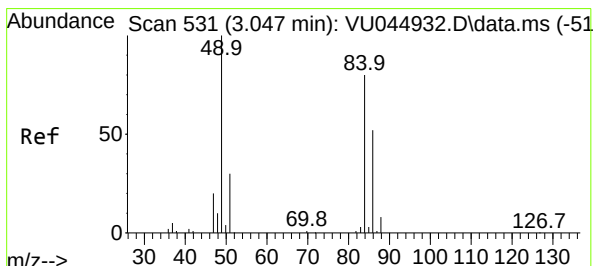
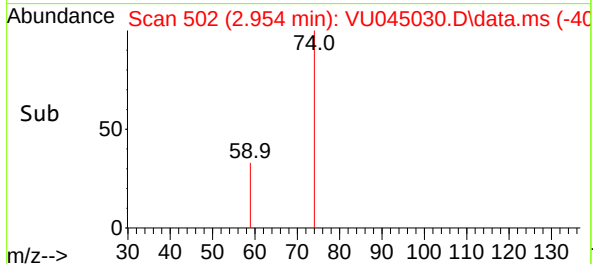
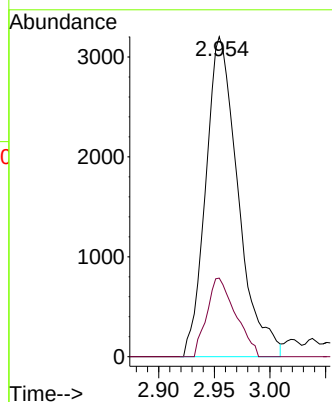
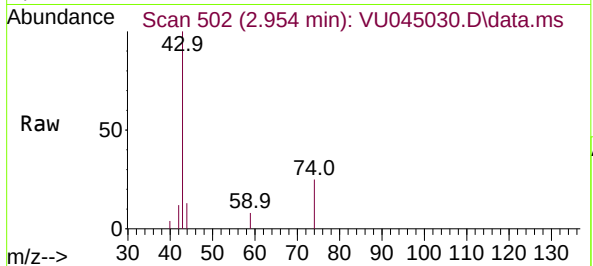




#18
Methyl Acetate
Concen: 1.120 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

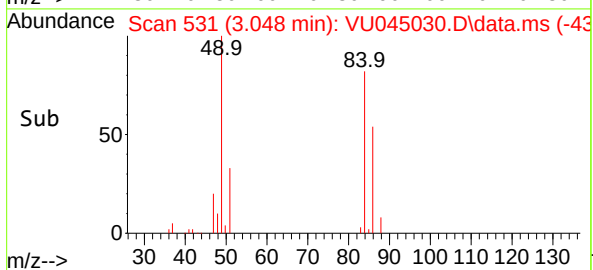
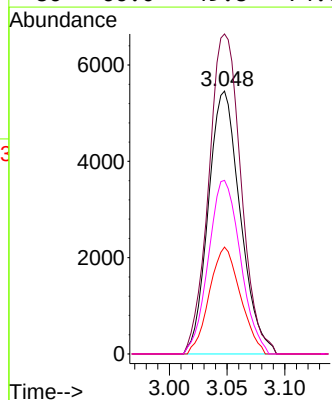
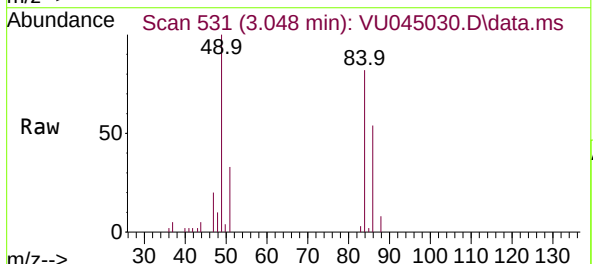
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-2

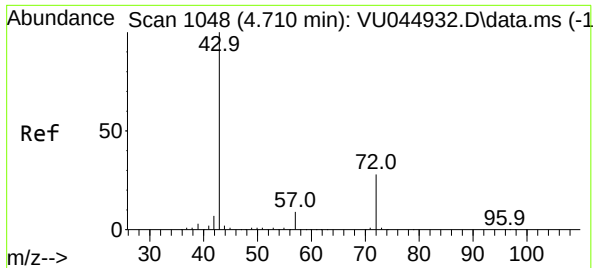
Tgt Ion: 43 Resp: 6465
Ion Ratio Lower Upper
43 100
74 21.8 19.0 28.6



#20
Methylene Chloride
Concen: 3.531 ug/l
RT: 3.048 min Scan# 531
Delta R.T. 0.001 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Tgt Ion: 84 Resp: 10501
Ion Ratio Lower Upper
84 100
49 121.7 104.9 157.3
51 40.7 31.8 47.8
86 66.0 49.8 74.6

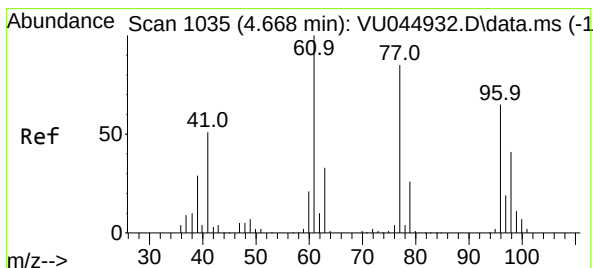
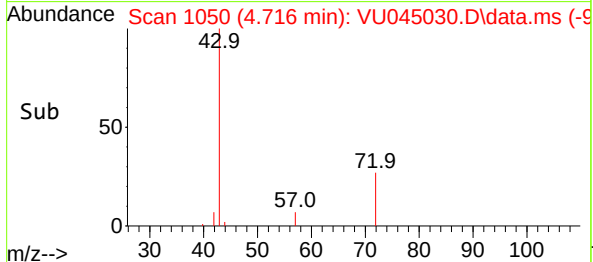
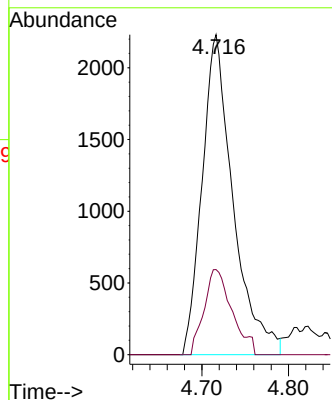
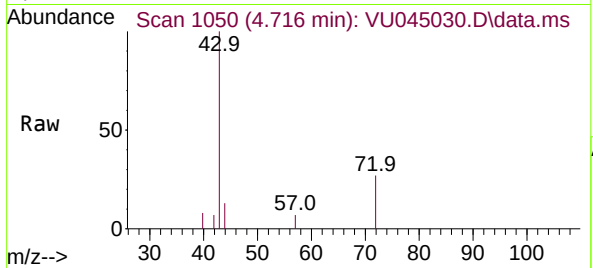




#25
2-Butanone
Concen: 1.978 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

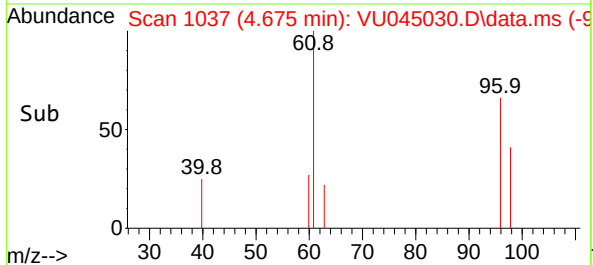
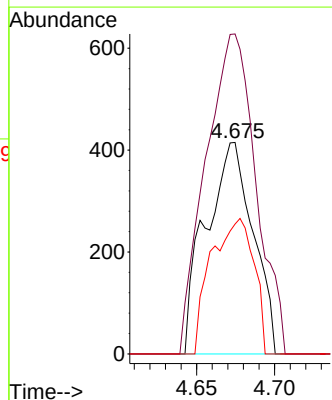
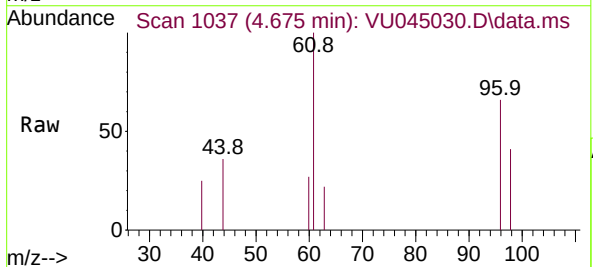
Instrument :
MSVOA_U
ClientSampled :
RO-COMP-2

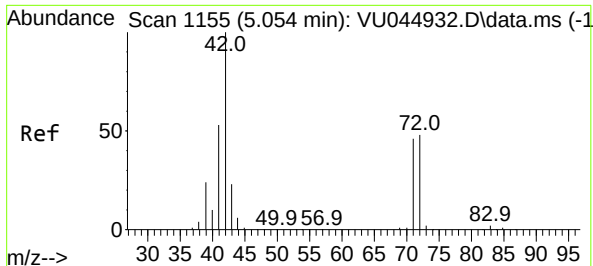
Tgt Ion: 43 Resp: 5549
Ion Ratio Lower Upper
43 100
72 26.6 21.3 31.9



#27
cis-1,2-Dichloroethene
Concen: 0.285 ug/l
RT: 4.675 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Tgt Ion: 96 Resp: 873
Ion Ratio Lower Upper
96 100
61 160.8 0.0 313.4
98 58.0 0.0 127.0





#29

Tetrahydrofuran

Concen: 0.540 ug/l

RT: 5.064 min Scan# 1158

Delta R.T. 0.010 min

Lab File: VU045030.D

Acq: 30 Sep 2021 06:36

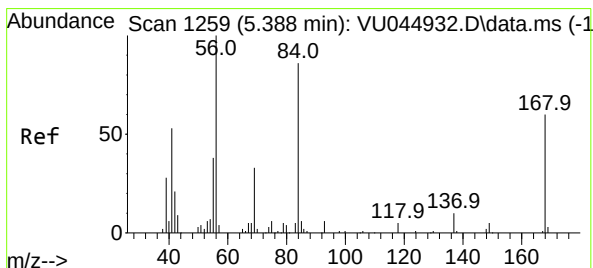
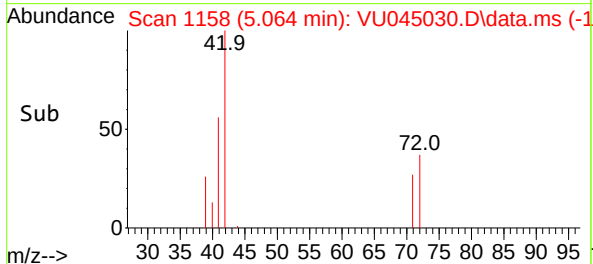
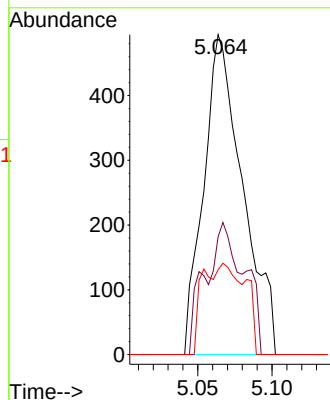
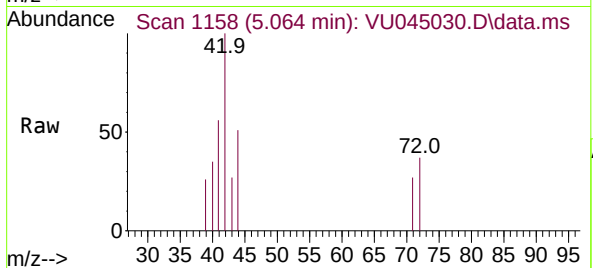
Instrument :

MSVOA_U

ClientSampleId :

RO-COMP-2

Tgt Ion:	42	Resp:	902
Ion	Ratio	Lower	Upper
42	100		
72	41.2	36.2	54.4
71	10.3	34.1	51.1#



#31

Cyclohexane

Concen: 1.050 ug/l

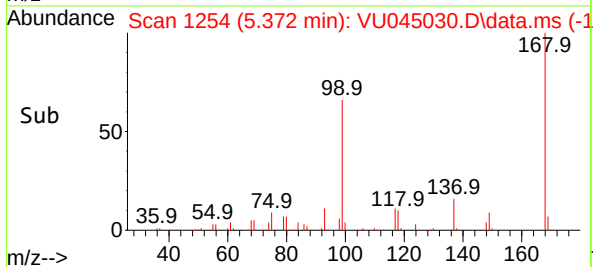
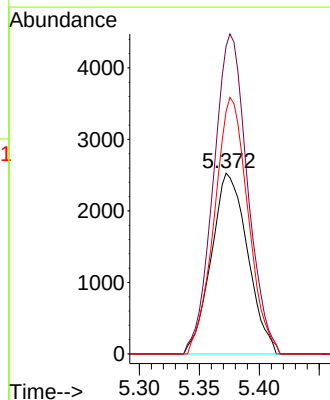
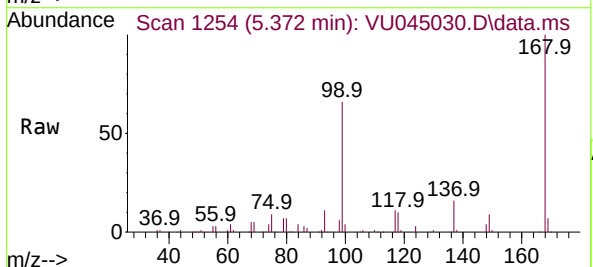
RT: 5.372 min Scan# 1254

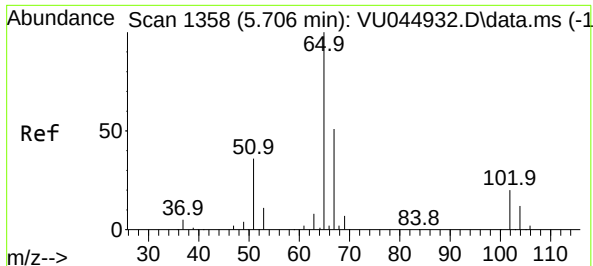
Delta R.T. -0.016 min

Lab File: VU045030.D

Acq: 30 Sep 2021 06:36

Tgt Ion:	56	Resp:	5306
Ion	Ratio	Lower	Upper
56	100		
69	170.3	25.2	37.8#
84	134.3	66.4	99.6#



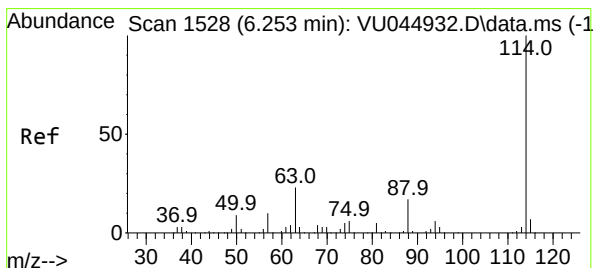
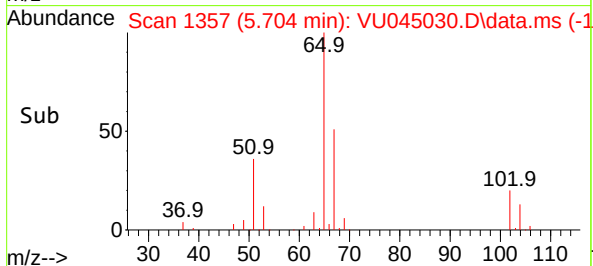
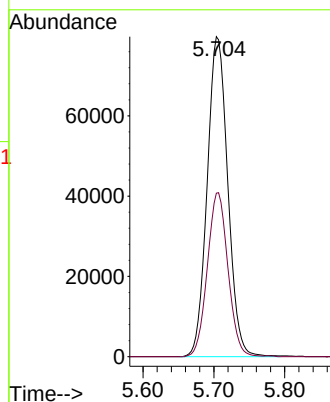
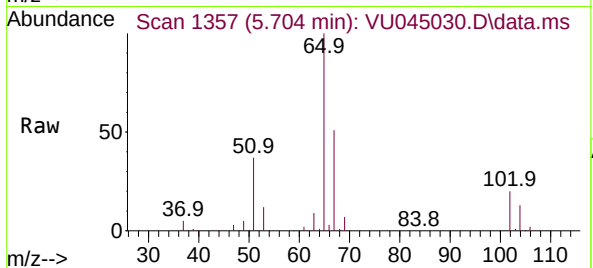


#33

1,2-Dichloroethane-d4
Concen: 48.489 ug/l
RT: 5.704 min Scan# 1357
Delta R.T. -0.002 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Instrument :
MSVOA_U
ClientSampled :
RO-COMP-2

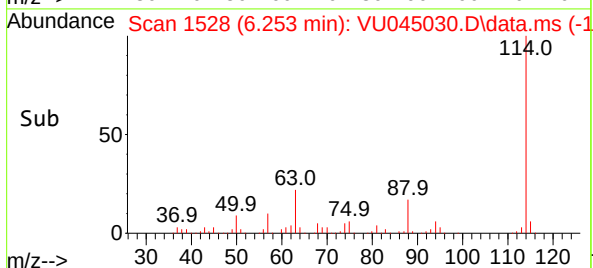
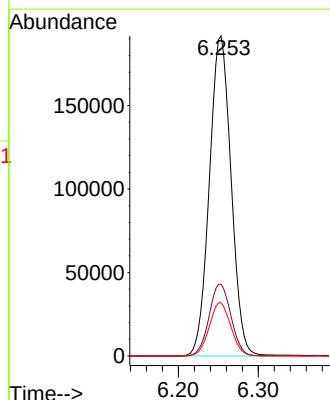
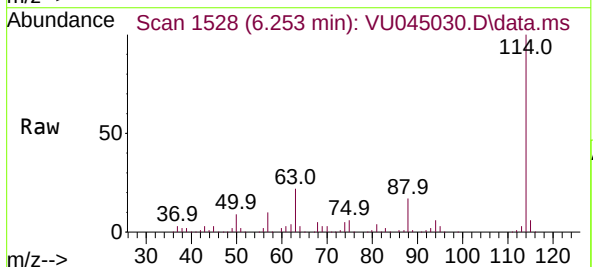
Tgt Ion: 65 Resp: 161286
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.8

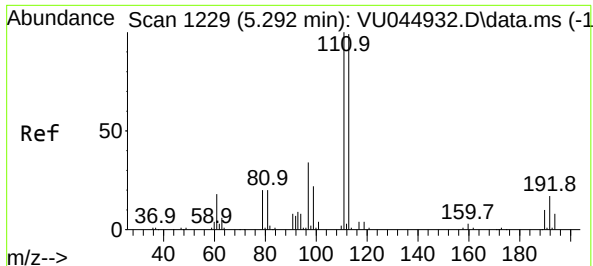


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Tgt Ion: 114 Resp: 361426
Ion Ratio Lower Upper
114 100
63 22.4 0.0 47.8
88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.287 ug/l

RT: 5.292 min Scan# 1229

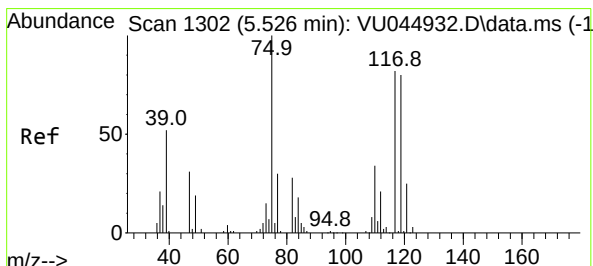
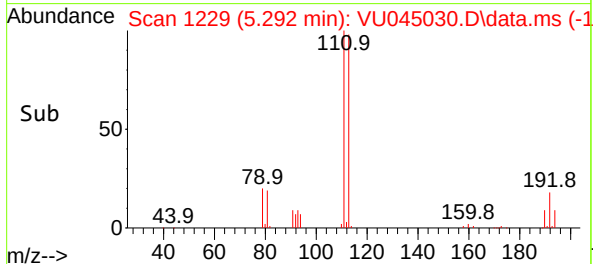
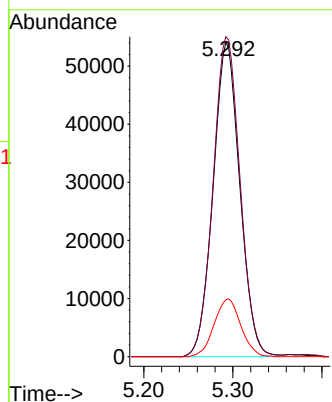
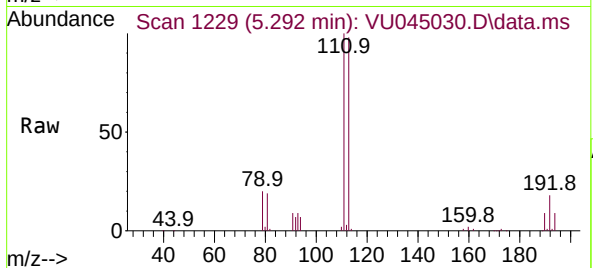
Delta R.T. -0.000 min

Lab File: VU045030.D

Acq: 30 Sep 2021 06:36

Tgt Ion:	113	Resp:	112375
Ion	Ratio	Lower	Upper
113	100		
111	103.1	84.1	126.1
192	18.4	14.8	22.2

Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-2



#36

1,1-Dichloropropene

Concen: 4.801 ug/l

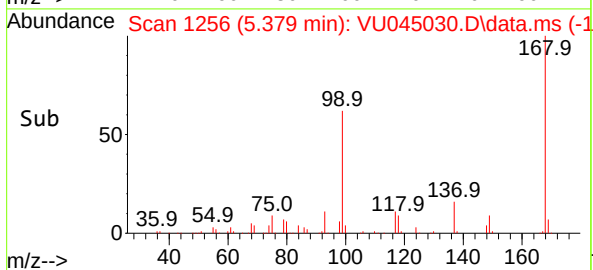
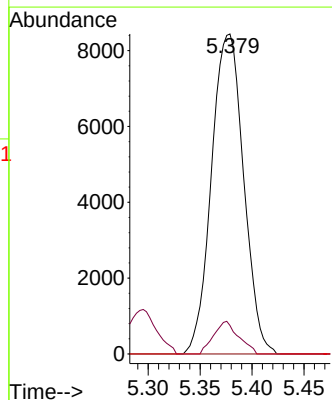
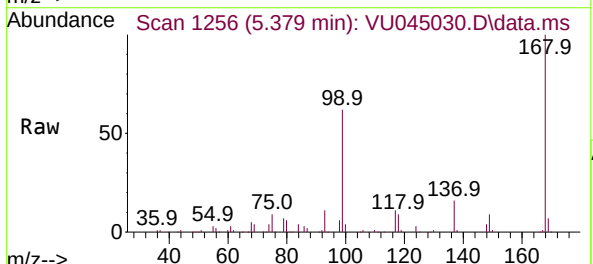
RT: 5.379 min Scan# 1256

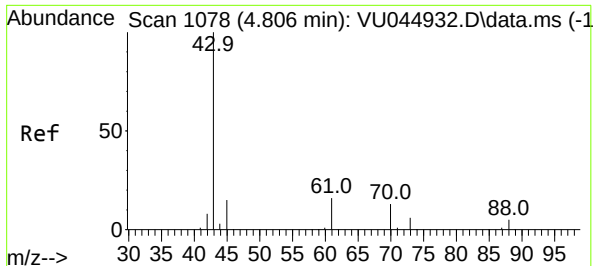
Delta R.T. -0.147 min

Lab File: VU045030.D

Acq: 30 Sep 2021 06:36

Tgt Ion:	75	Resp:	18145
Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.3	48.9#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 1.110 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. -0.090 min

Lab File: VU045030.D

Acq: 30 Sep 2021 06:36

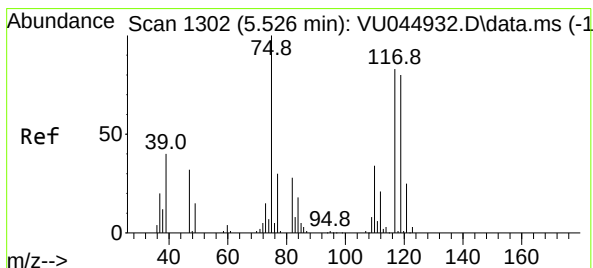
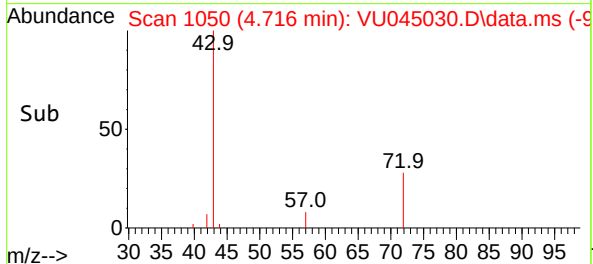
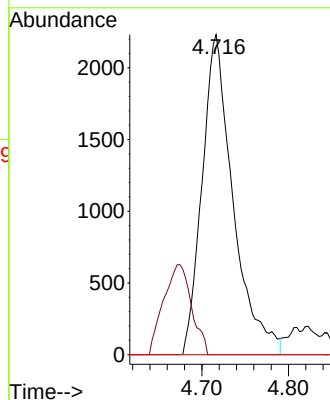
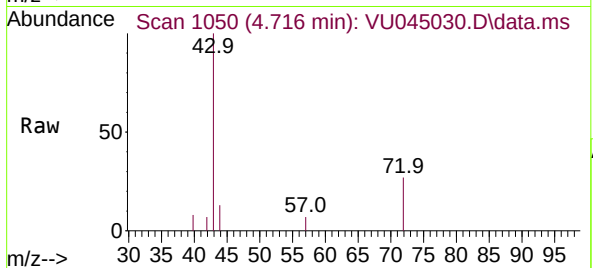
Instrument :

MSVOA_U

ClientSampled :

RO-COMP-2

Tgt Ion:	43	Resp:	5549
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



#38

Carbon Tetrachloride

Concen: 6.590 ug/l

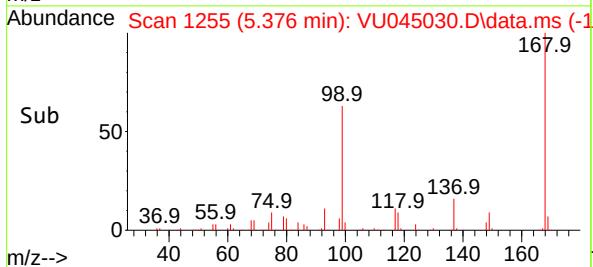
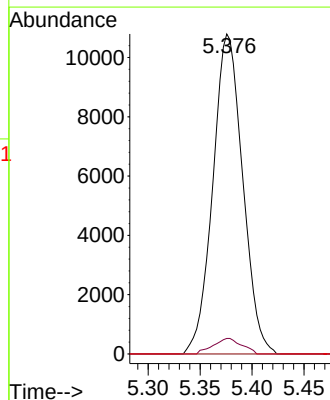
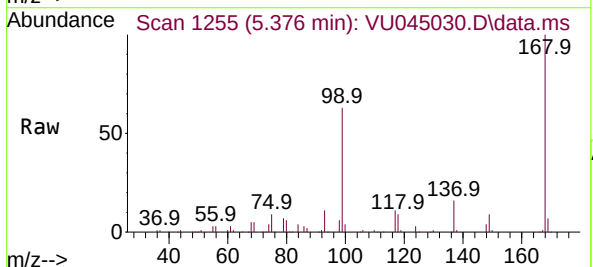
RT: 5.376 min Scan# 1255

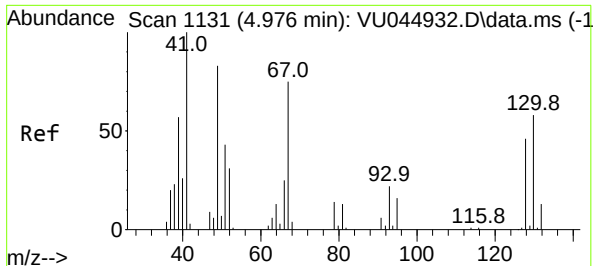
Delta R.T. -0.150 min

Lab File: VU045030.D

Acq: 30 Sep 2021 06:36

Tgt Ion:	117	Resp:	21553
Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.4	116.2#
121	0.0	24.5	36.7#

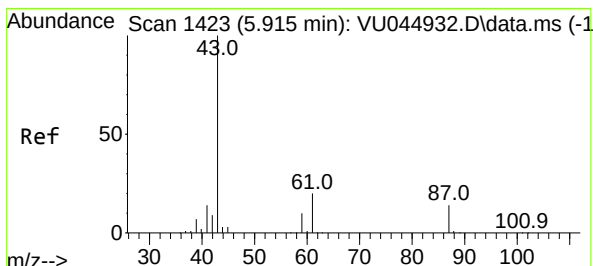
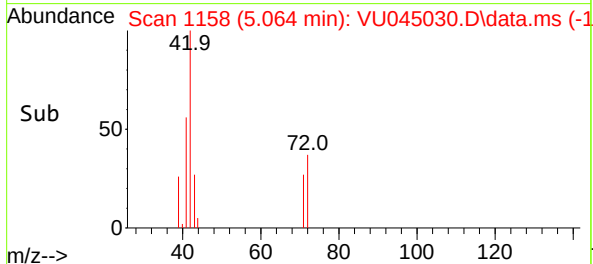
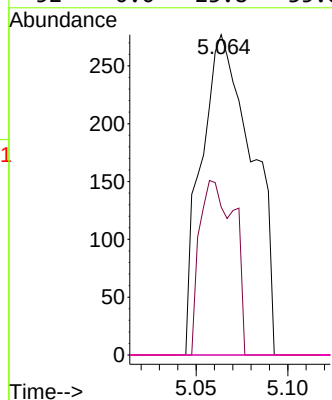
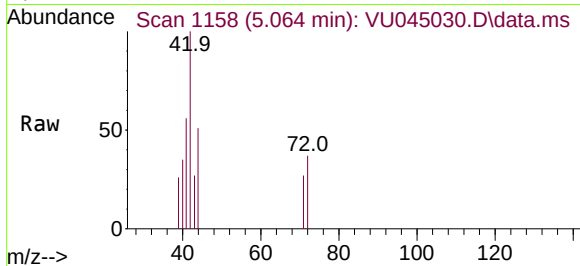




#41
Methacrylonitrile
Concen: 0.208 ug/l
RT: 5.064 min Scan# 1158
Delta R.T. 0.088 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

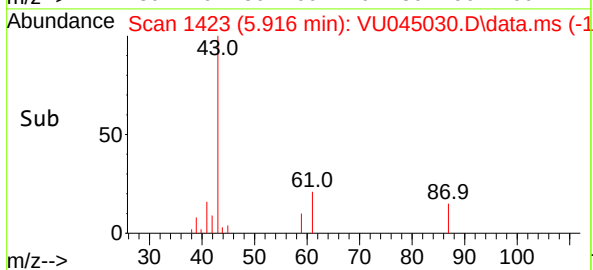
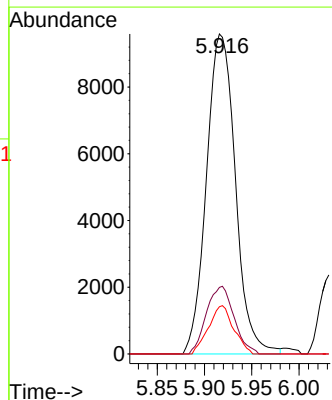
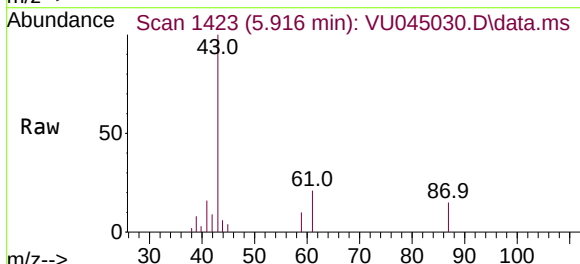
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-2

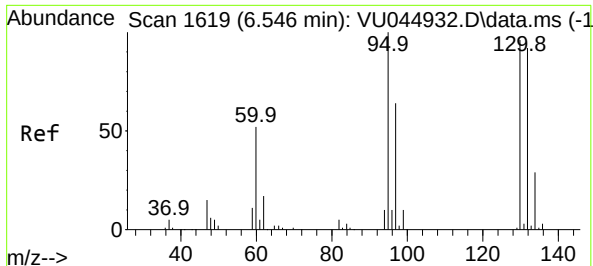
Tgt Ion:	41	Resp:	535
Ion	Ratio	Lower	Upper
41	100		
39	37.0	44.4	66.6#
67	0.0	58.1	87.1#
52	0.0	23.8	35.8#



#43
Isopropyl Acetate
Concen: 2.713 ug/l
RT: 5.916 min Scan# 1423
Delta R.T. 0.001 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Tgt Ion:	43	Resp:	20413
Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.1	24.1
87	13.1	10.3	15.5

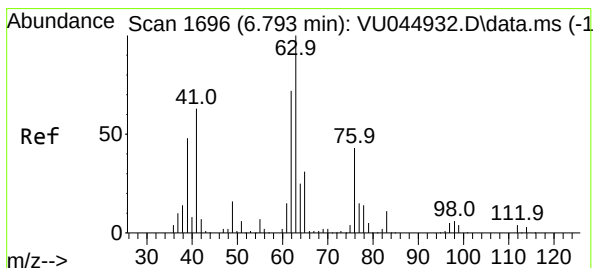
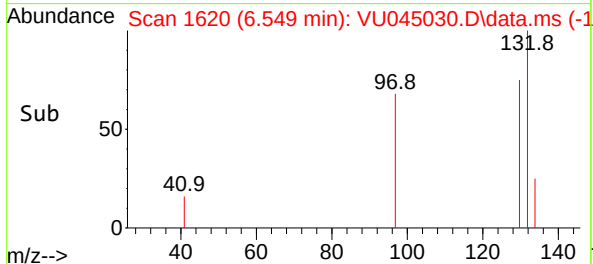
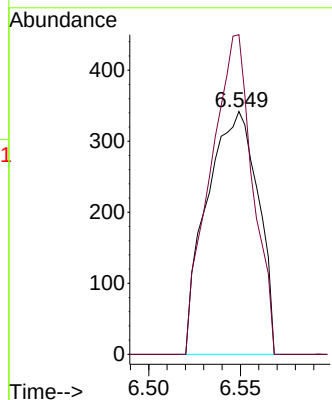
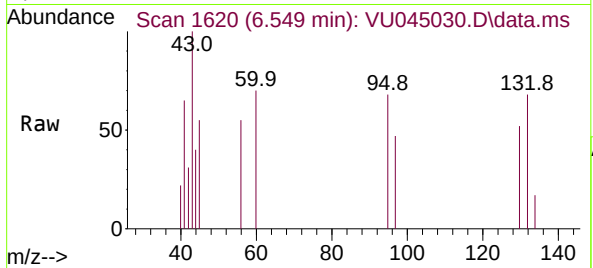




#44
Trichloroethene
Concen: 0.249 ug/l
RT: 6.549 min Scan# 1620
Delta R.T. 0.003 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

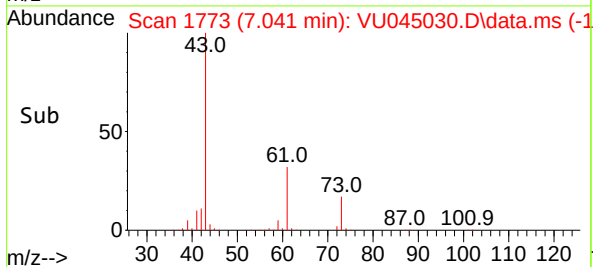
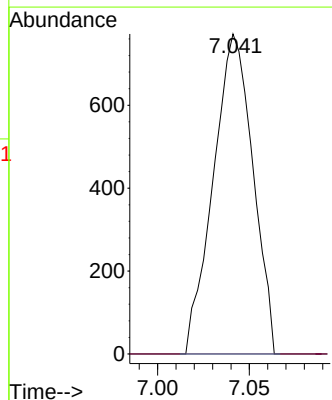
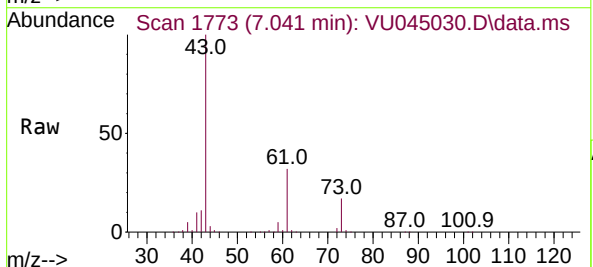
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-2

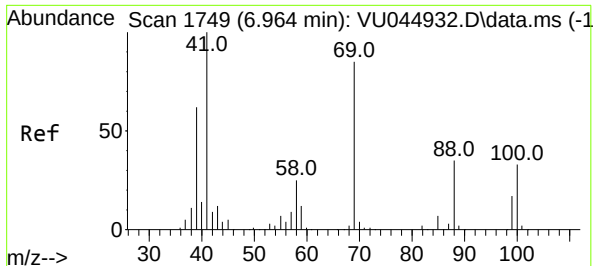
Tgt Ion:130 Resp: 661
Ion Ratio Lower Upper
130 100
95 131.6 0.0 209.0



#45
1,2-Dichloropropane
Concen: 0.388 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Tgt Ion: 63 Resp: 1158
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

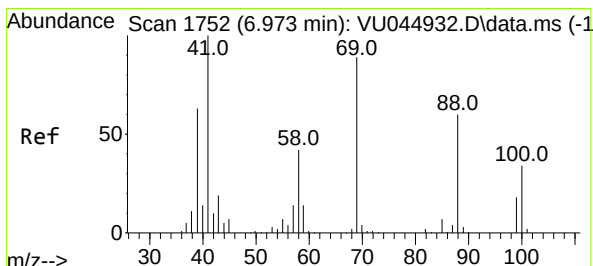
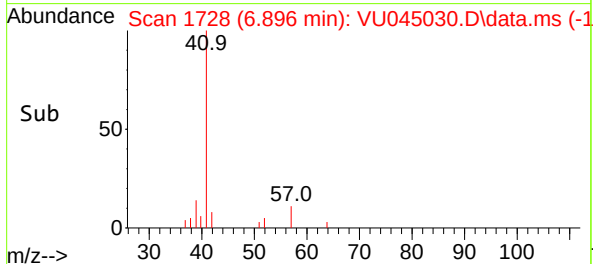
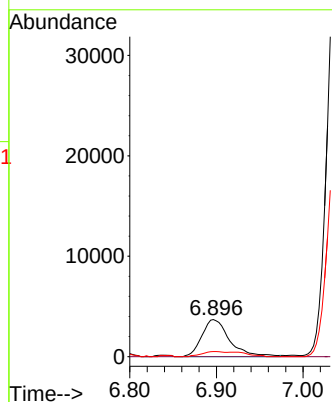
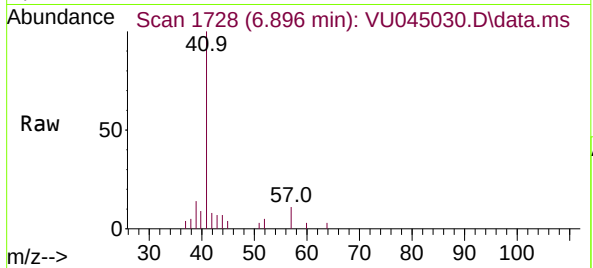




#48
Methyl methacrylate
Concen: 2.254 ug/l
RT: 6.896 min Scan# 1728
Delta R.T. -0.068 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

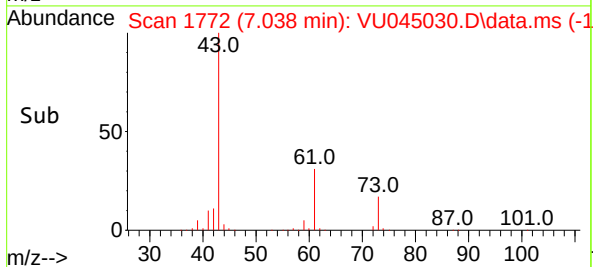
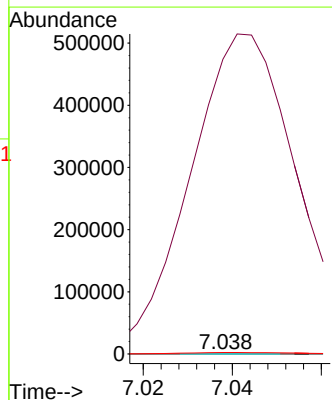
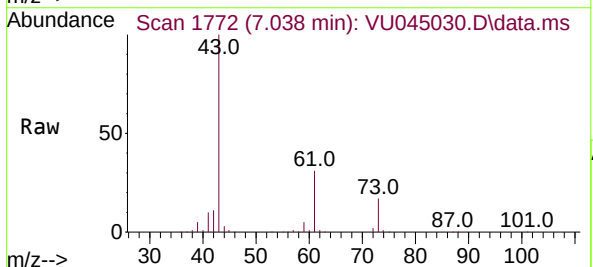
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-2

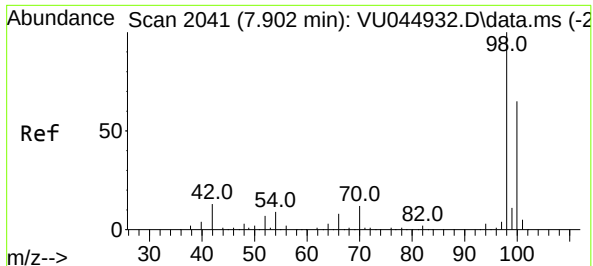
Tgt Ion: 41 Resp: 8256
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 0.0 46.2 69.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.038 min Scan# 1772
Delta R.T. 0.065 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Tgt Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
43 956002.2 25.8 38.6#
58 4533.7 61.3 91.9#

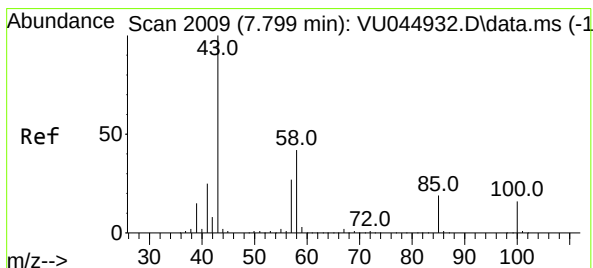
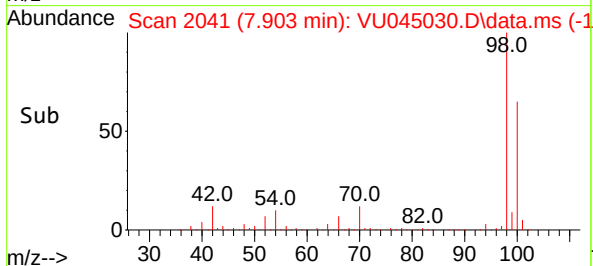
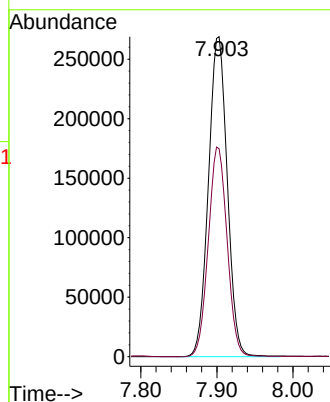
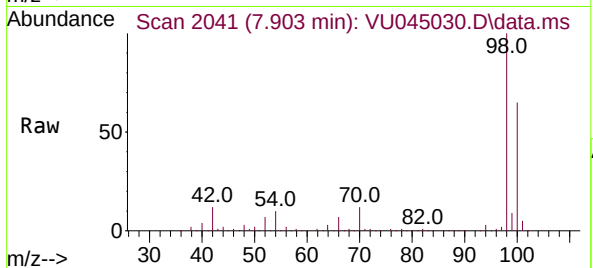




#50
Toluene-d8
Concen: 51.407 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

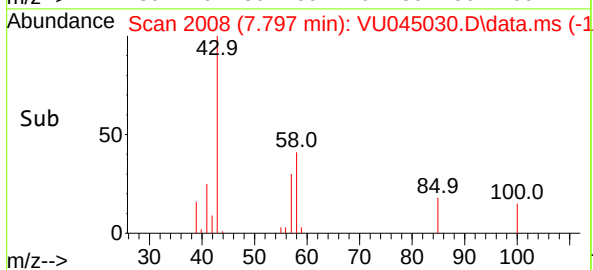
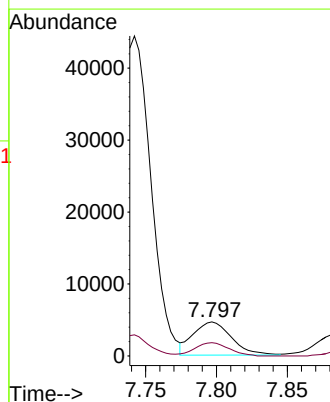
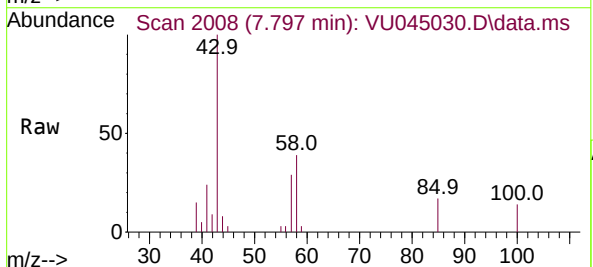
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-2

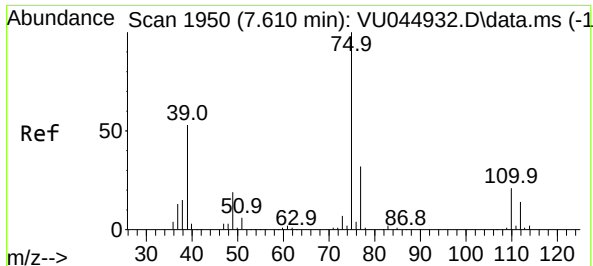
Tgt Ion: 98 Resp: 463108
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.589 ug/l
RT: 7.797 min Scan# 2008
Delta R.T. -0.002 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Tgt Ion: 43 Resp: 8705
Ion Ratio Lower Upper
43 100
58 35.7 32.4 48.6

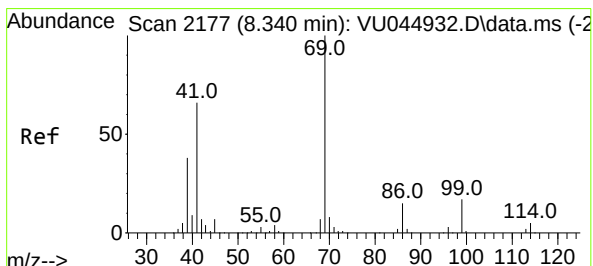
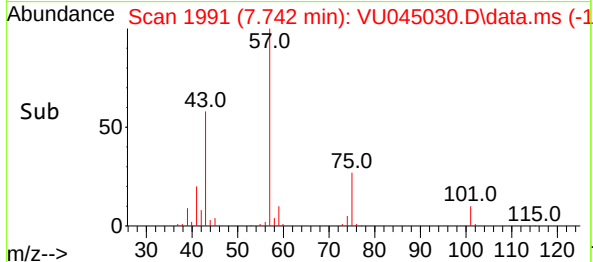
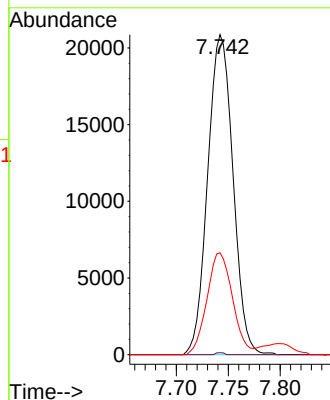
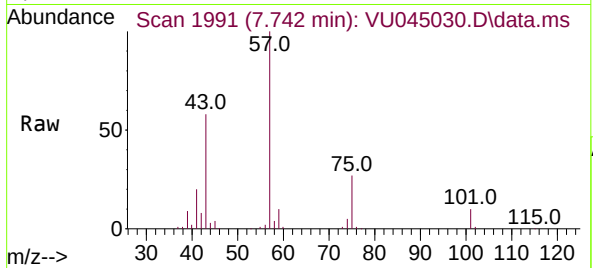




#54
 cis-1,3-Dichloropropene
 Concen: 7.599 ug/l
 RT: 7.742 min Scan# 1991
 Delta R.T. 0.132 min
 Lab File: VU045030.D
 Acq: 30 Sep 2021 06:36

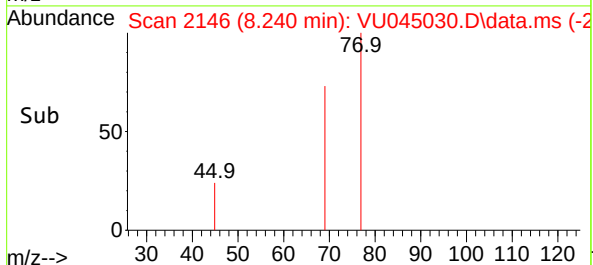
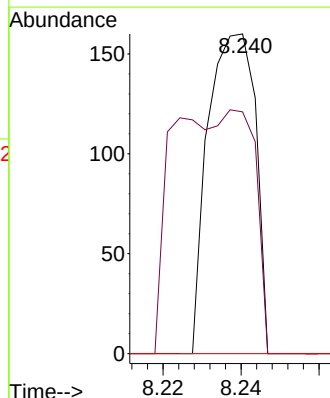
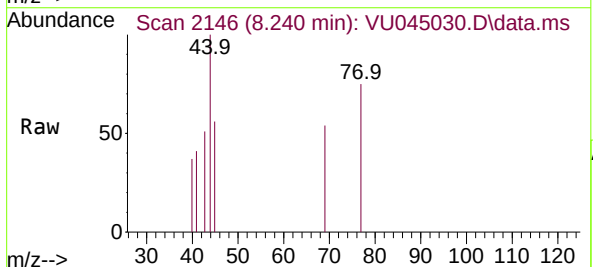
Instrument :
 MSVOA_U
 ClientSampleId :
 RO-COMP-2

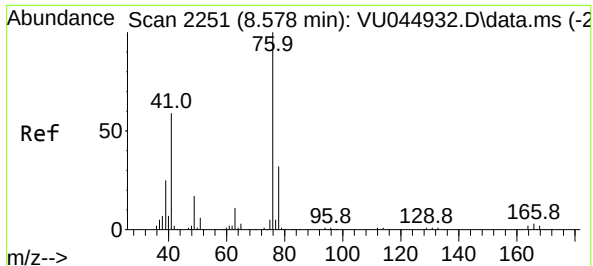
Tgt Ion: 75 Resp: 35337
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 31.8 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.844 ug/l
 RT: 8.240 min Scan# 2146
 Delta R.T. -0.100 min
 Lab File: VU045030.D
 Acq: 30 Sep 2021 06:36

Tgt Ion: 69 Resp: 135
 Ion Ratio Lower Upper
 69 100
 41 0.0 53.5 80.3#
 39 0.0 31.1 46.7#



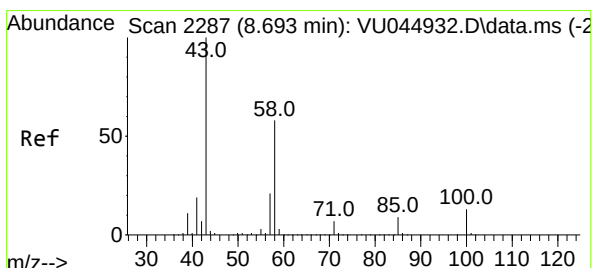
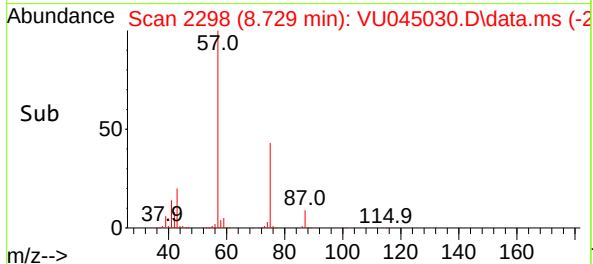
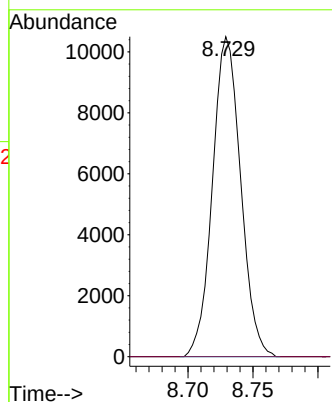
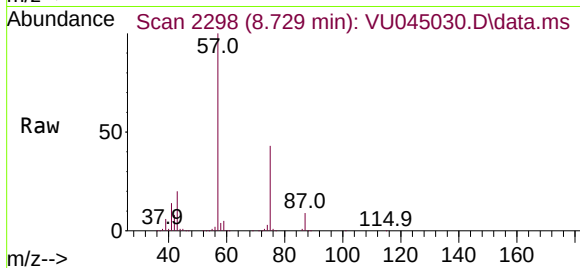


#57

1,3-Dichloropropane
Concen: 3.021 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-2

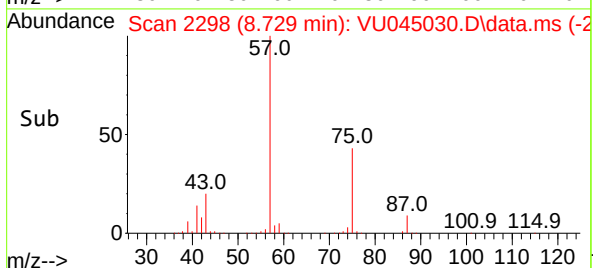
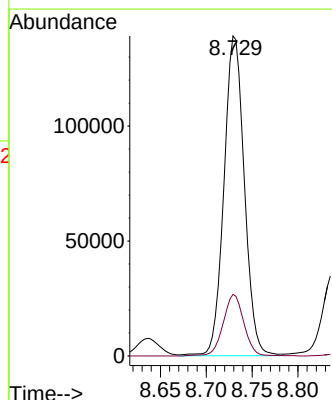
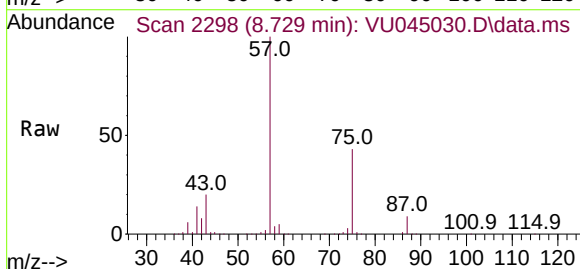
Tgt Ion: 76 Resp: 15826
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

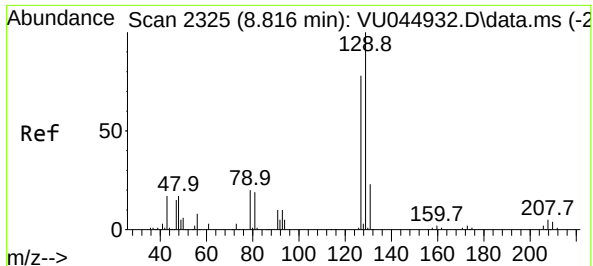


#59

2-Hexanone
Concen: 48.278 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.036 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Tgt Ion: 43 Resp: 215338
Ion Ratio Lower Upper
43 100
58 19.5 28.0 84.0#

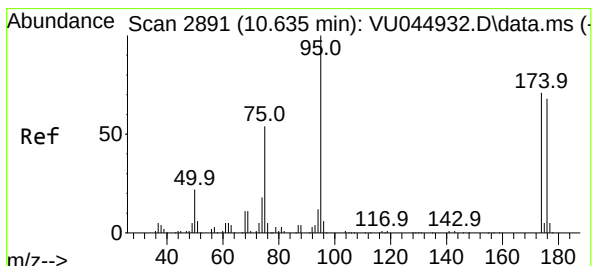
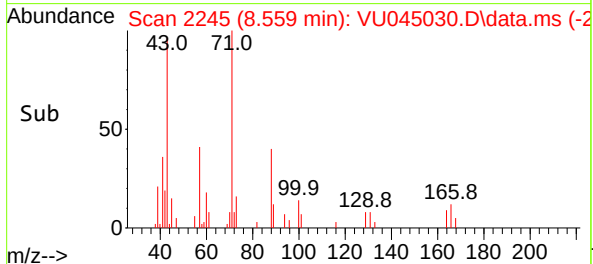
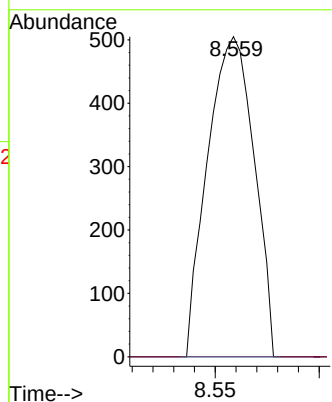
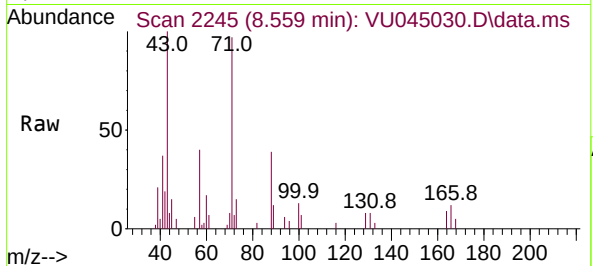




#60
Dibromochloromethane
Concen: 2.418 ug/l
RT: 8.559 min Scan# 2245
Delta R.T. -0.257 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

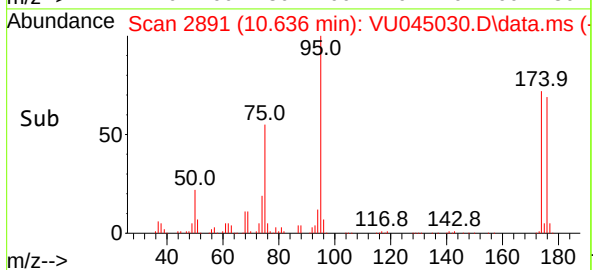
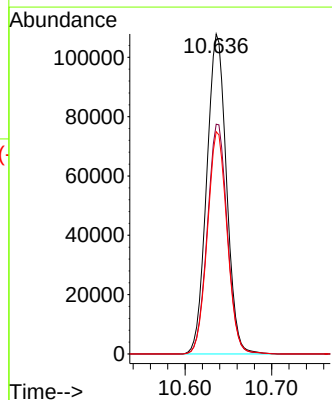
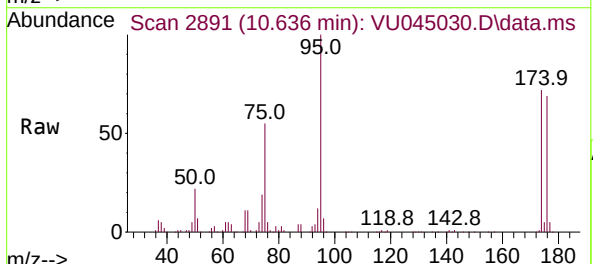
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-2

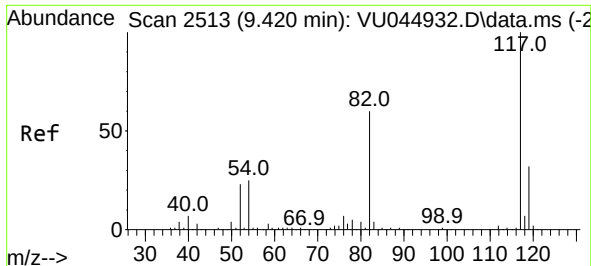
Tgt Ion:129 Resp: 786
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 45.978 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Tgt Ion: 95 Resp: 171004
Ion Ratio Lower Upper
95 100
174 72.5 0.0 146.6
176 69.4 0.0 141.2

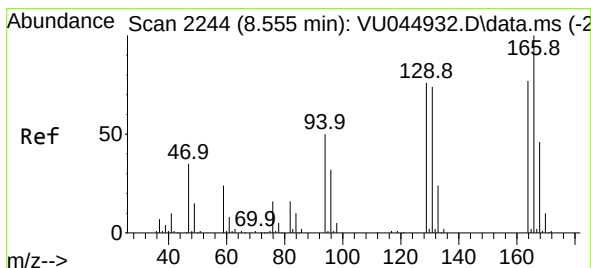
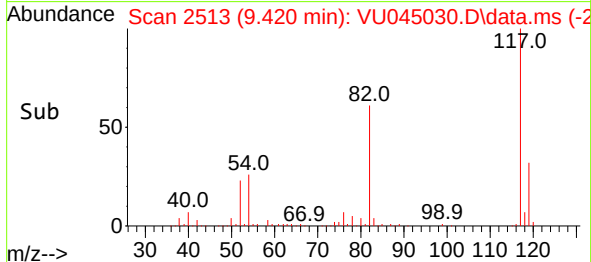
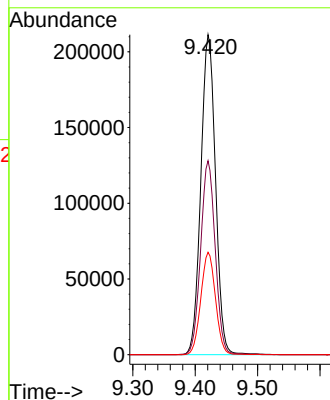
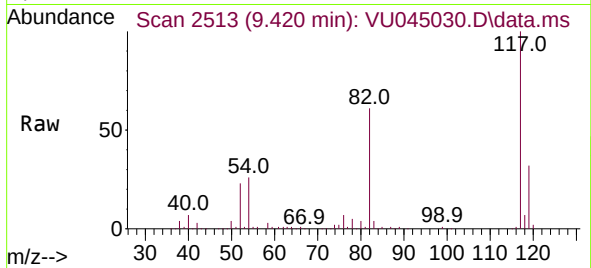




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

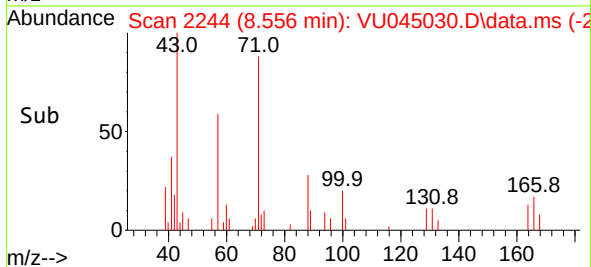
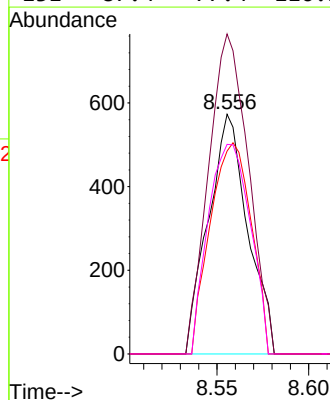
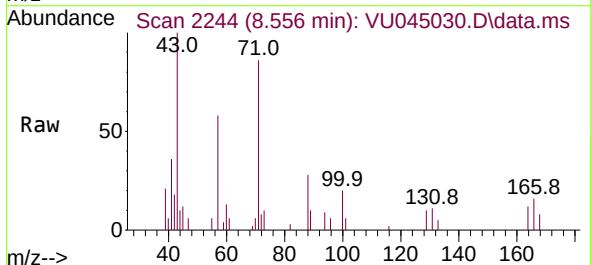
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-2

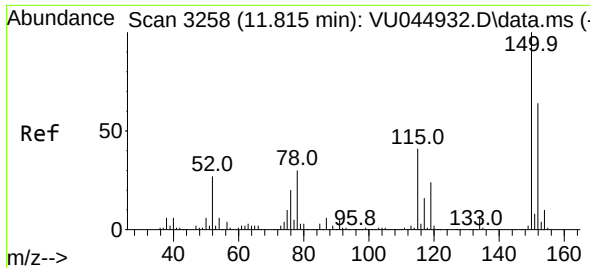
Tgt Ion:117 Resp: 346283
Ion Ratio Lower Upper
117 100
82 60.6 47.8 71.8
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 0.380 ug/l
RT: 8.556 min Scan# 2244
Delta R.T. 0.001 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Tgt Ion:164 Resp: 859
Ion Ratio Lower Upper
164 100
166 133.5 102.8 154.2
129 84.6 79.4 119.2
131 87.4 77.4 116.2

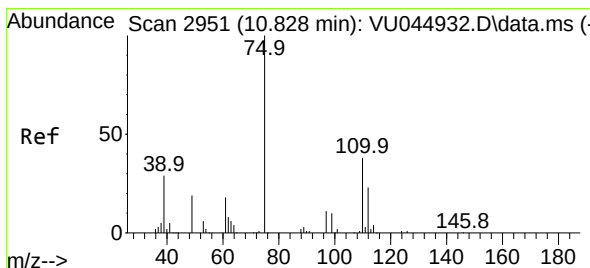
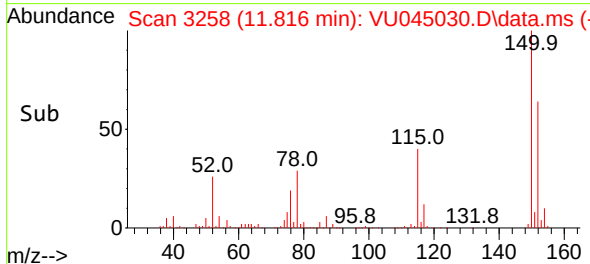
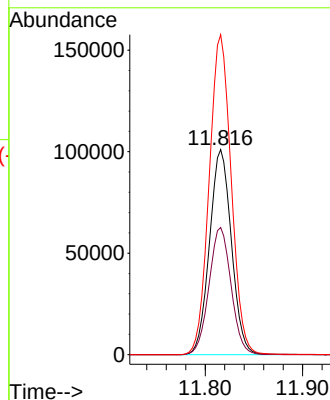
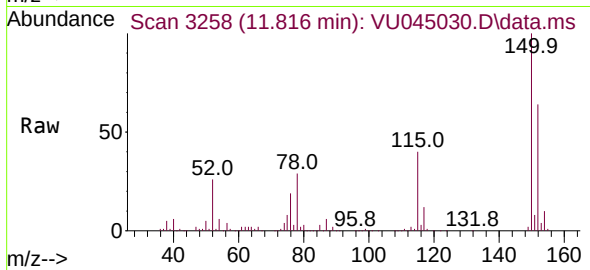




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.001 min
 Lab File: VU045030.D
 Acq: 30 Sep 2021 06:36

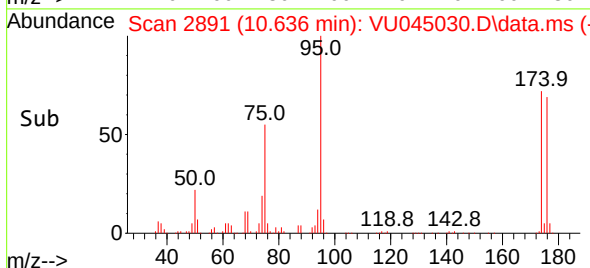
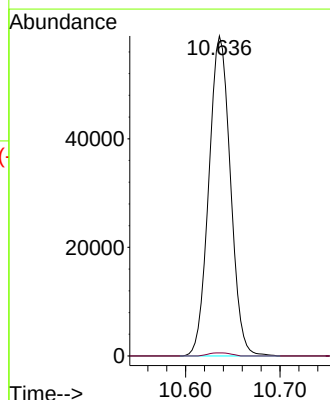
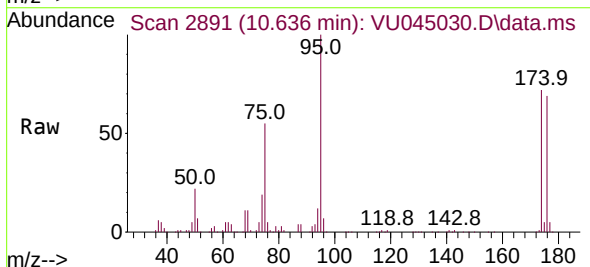
Instrument :
 MSVOA_U
 ClientSampleId :
 RO-COMP-2

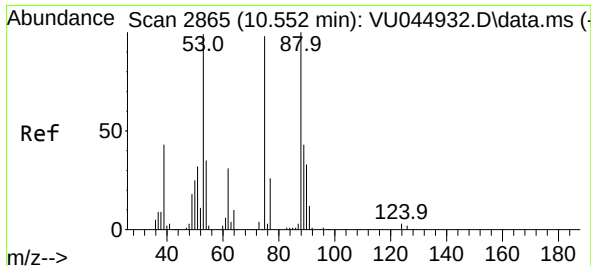
Tgt Ion:152 Resp: 157842
 Ion Ratio Lower Upper
 152 100
 115 62.3 43.5 130.7
 150 156.4 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 20.315 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU045030.D
 Acq: 30 Sep 2021 06:36

Tgt Ion: 75 Resp: 93530
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#

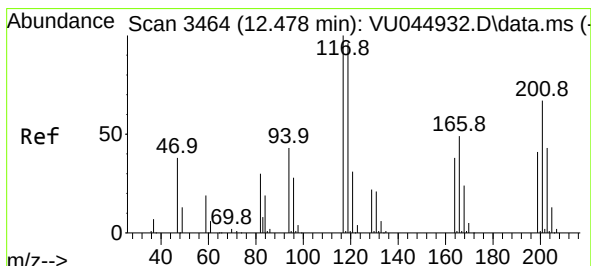
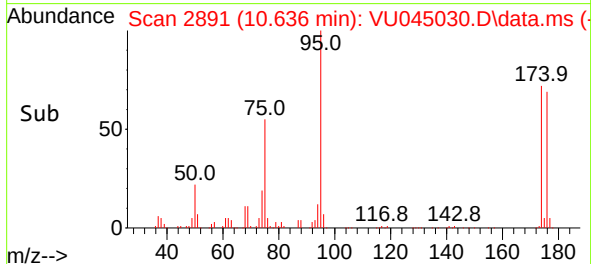
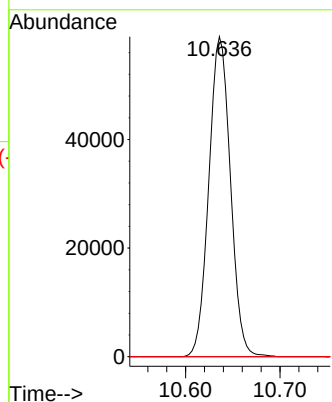
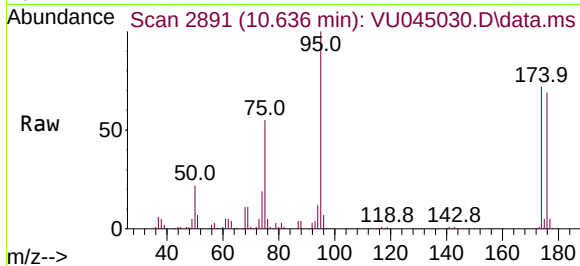




#81
trans-1,4-Dichloro-2-butene
Concen: 56.378 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-2

Tgt Ion: 75 Resp: 93530
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#90
Hexachloroethane
Concen: 0.309 ug/l
RT: 12.687 min Scan# 3529
Delta R.T. 0.209 min
Lab File: VU045030.D
Acq: 30 Sep 2021 06:36

Tgt Ion: 117 Resp: 578
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.3#

