

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU045029.D
 Acq On : 30 Sep 2021 06:12
 Operator : SY/MD
 Sample : M3971-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RO-COMP-1

Quant Time: Sep 30 06:44:38 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

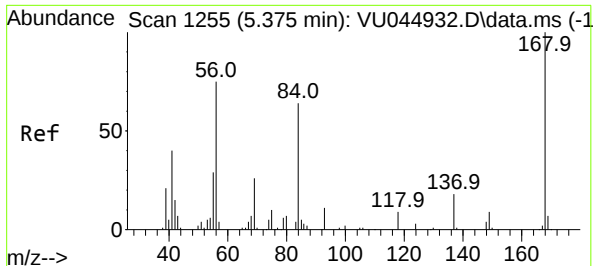
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.379	168	203221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	361461	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	350260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	157242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	164958	48.763	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.520%
35) Dibromofluoromethane	5.295	113	115568	50.683	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.360%
50) Toluene-d8	7.903	98	471042	52.283	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.560%
62) 4-Bromofluorobenzene	10.636	95	168541	45.311	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.620%
Target Compounds						
					Qvalue	
6) Chloroethane	1.813	64	642	0.257	ug/l #	42
11) Tert butyl alcohol	3.186	59	1521	1.567	ug/l #	72
16) Acetone	2.630	43	32948	16.408	ug/l	98
17) Carbon Disulfide	2.794	76	2192	0.308	ug/l	96
18) Methyl Acetate	2.954	43	2592	0.442	ug/l	99
20) Methylene Chloride	3.051	84	9570	3.164	ug/l	94
25) 2-Butanone	4.716	43	4632	1.624	ug/l	95
29) Tetrahydrofuran	5.070	42	851	0.501	ug/l #	69
31) Cyclohexane	5.375	56	5146	1.001	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	18619	4.926	ug/l #	49
38) Carbon Tetrachloride	5.379	117	21061	6.439	ug/l #	15
40) Benzene	5.784	78	4175	0.371	ug/l	91
43) Isopropyl Acetate	5.916	43	23680	3.147	ug/l	99
45) 1,2-Dichloropropane	7.038	63	1781	0.597	ug/l #	45
48) Methyl methacrylate	6.893	41	7498	2.047	ug/l #	14
49) 1,4-Dioxane	7.041	88	91	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.793	43	7418	1.354	ug/l	94
54) cis-1,3-Dichloropropene	7.742	75	37783	8.125	ug/l #	62
56) Ethyl methacrylate	8.475	69	128	1.842	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	21729	4.147	ug/l #	43
59) 2-Hexanone	8.729	43	300944	67.464	ug/l #	50
60) Dibromochloromethane	8.559	129	538	2.342	ug/l #	10
64) Tetrachloroethene	8.552	164	480	0.210	ug/l #	78
76) 1,2,3-Trichloropropane	10.636	75	91631	19.979	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	91631	55.444	ug/l #	9

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

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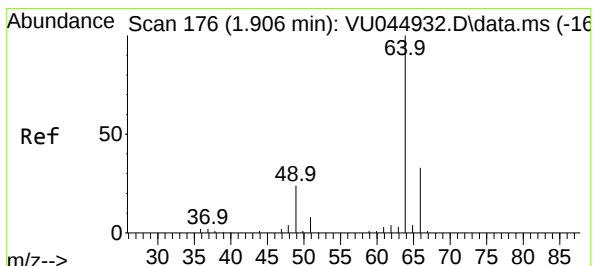
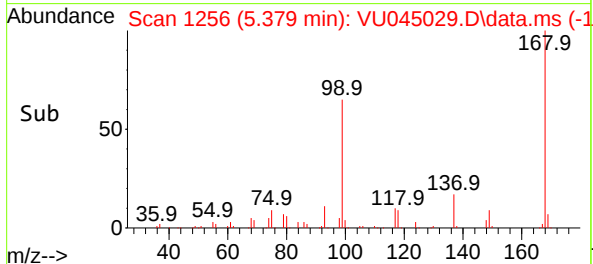
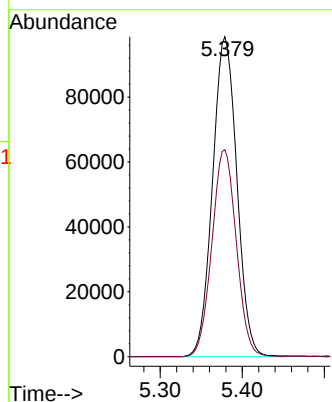
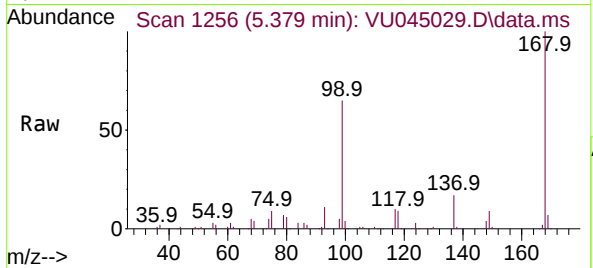




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.004 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

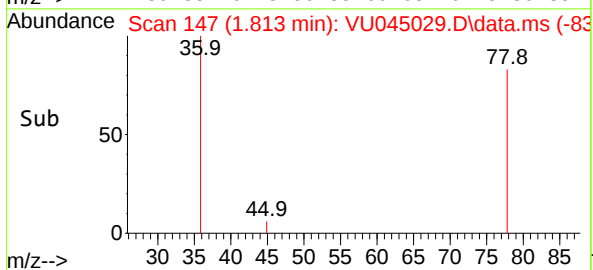
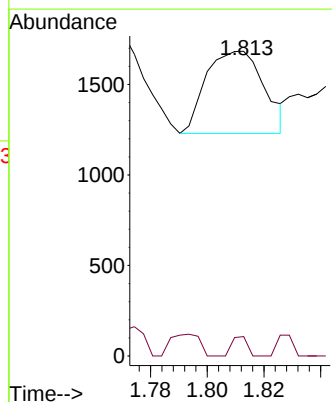
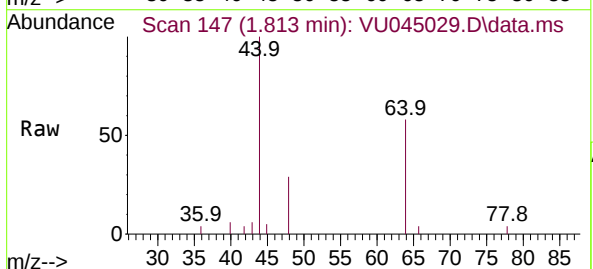
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

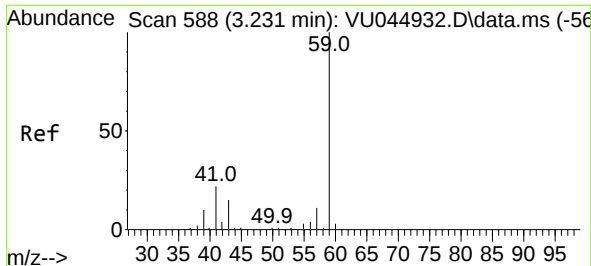
Tgt Ion:168 Resp: 203221
Ion Ratio Lower Upper
168 100
99 64.7 51.4 77.0



#6
Chloroethane
Concen: 0.257 ug/l
RT: 1.813 min Scan# 147
Delta R.T. -0.093 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

Tgt Ion: 64 Resp: 642
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

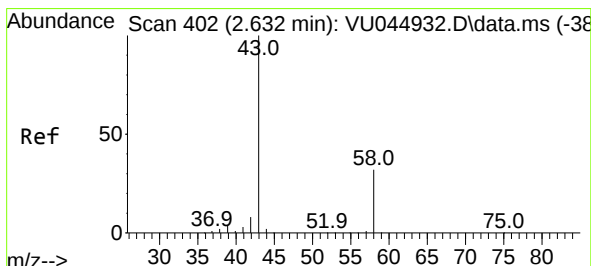
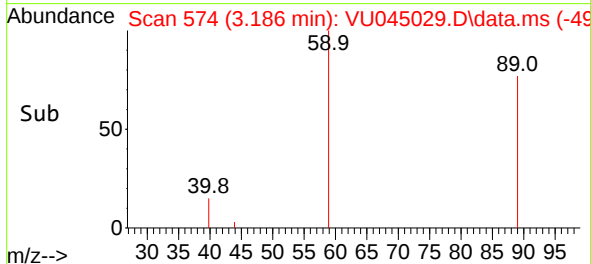
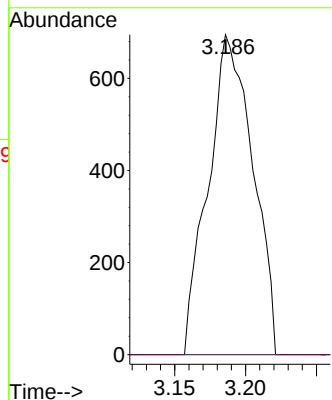
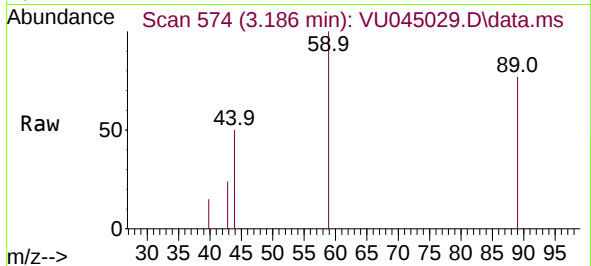




#11
Tert butyl alcohol
Concen: 1.567 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.045 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

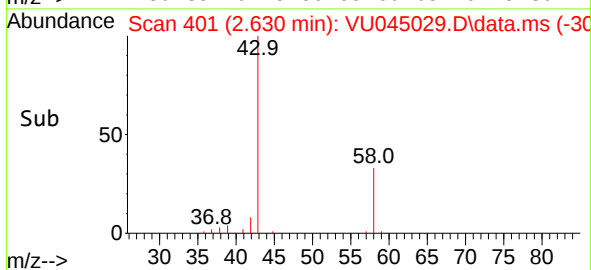
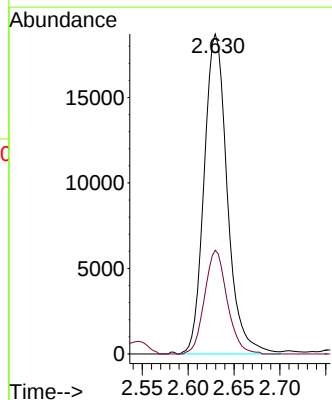
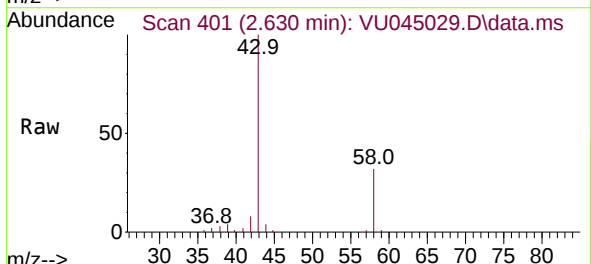
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

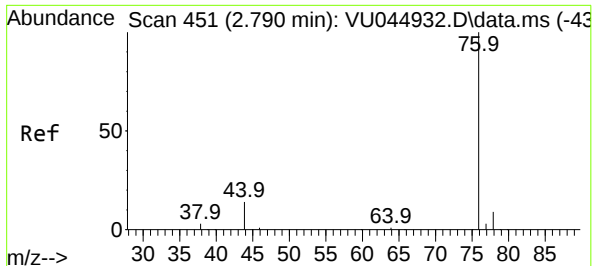
Tgt Ion: 59 Resp: 1521
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 16.408 ug/l
RT: 2.630 min Scan# 401
Delta R.T. -0.002 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

Tgt Ion: 43 Resp: 32948
Ion Ratio Lower Upper
43 100
58 32.4 25.2 37.8

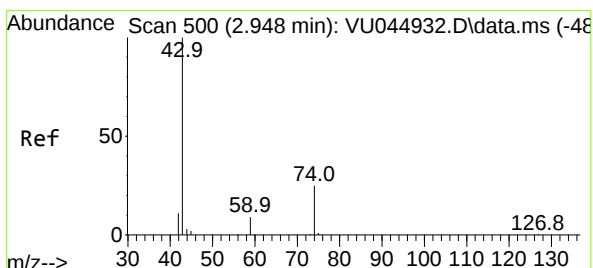
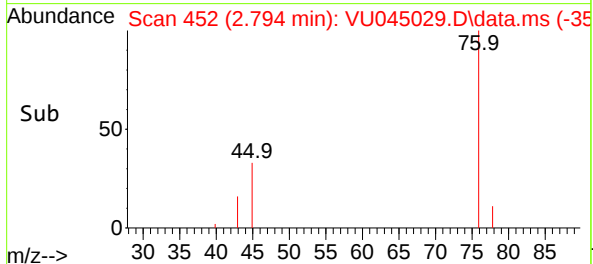
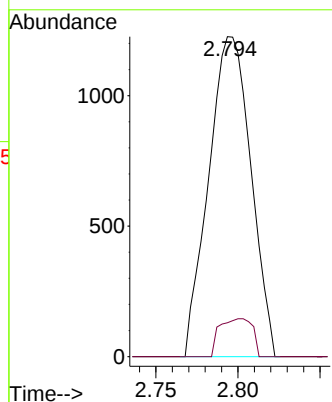
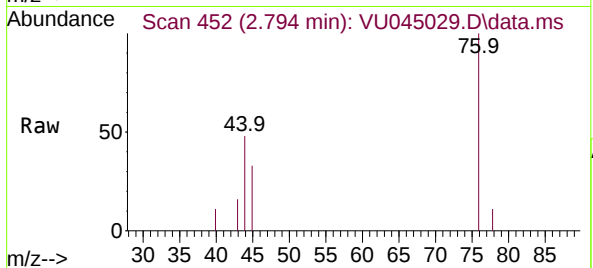




#17
Carbon Disulfide
Concen: 0.308 ug/l
RT: 2.794 min Scan# 452
Delta R.T. 0.004 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

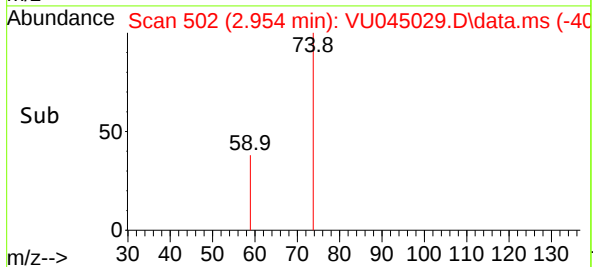
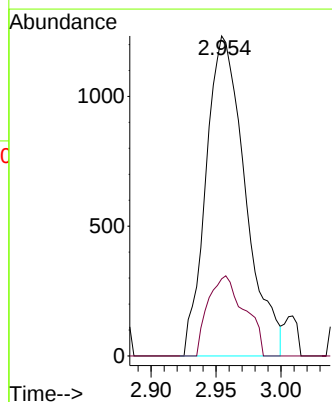
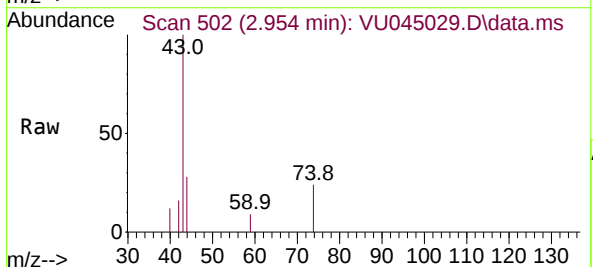
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

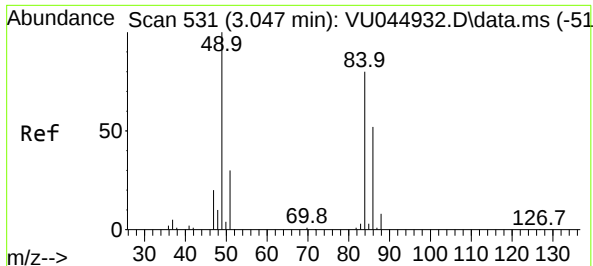
Tgt Ion: 76 Resp: 2192
Ion Ratio Lower Upper
76 100
78 10.6 7.4 11.0



#18
Methyl Acetate
Concen: 0.442 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

Tgt Ion: 43 Resp: 2592
Ion Ratio Lower Upper
43 100
74 23.2 19.0 28.6





#20

Methylene Chloride

Concen: 3.164 ug/l

RT: 3.051 min Scan# 532

Delta R.T. 0.004 min

Lab File: VU045029.D

Acq: 30 Sep 2021 06:12

Instrument :

MSVOA_U

ClientSampleId :

RO-COMP-1

Tgt Ion: 84 Resp: 9570

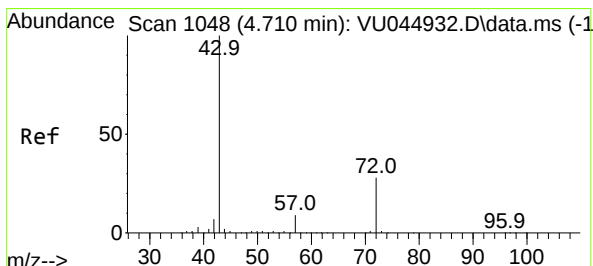
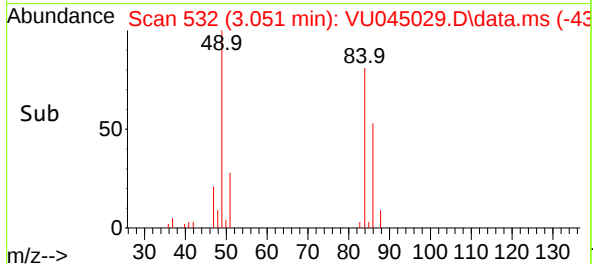
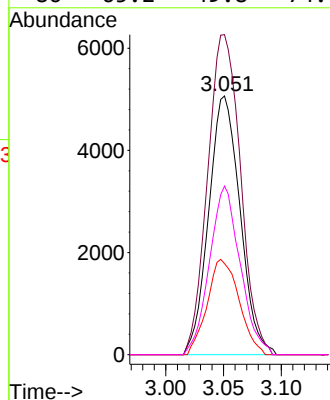
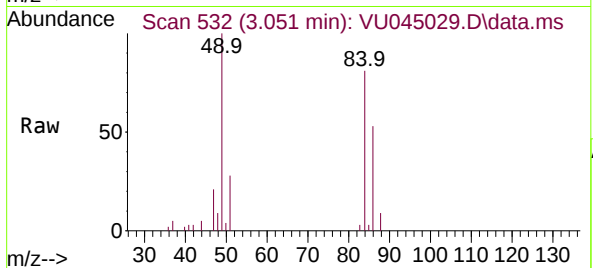
Ion Ratio Lower Upper

84 100

49 123.7 104.9 157.3

51 35.2 31.8 47.8

86 65.2 49.8 74.6



#25

2-Butanone

Concen: 1.624 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU045029.D

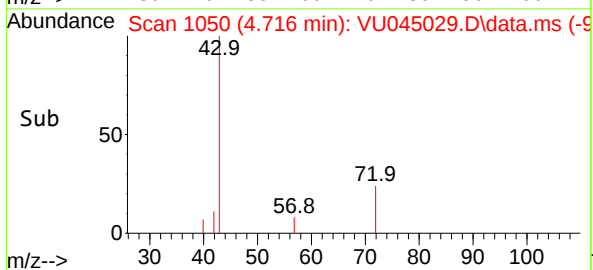
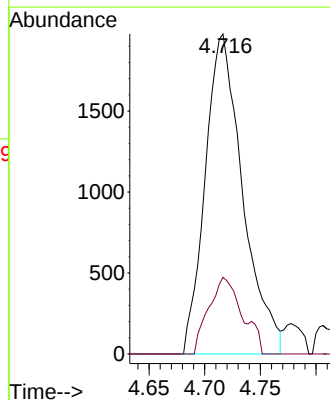
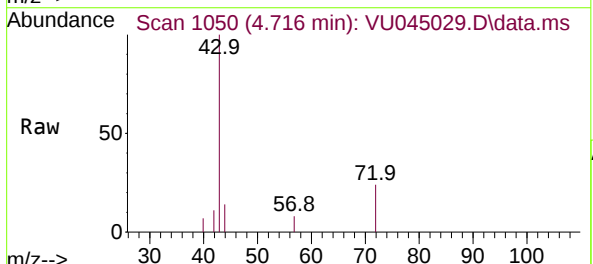
Acq: 30 Sep 2021 06:12

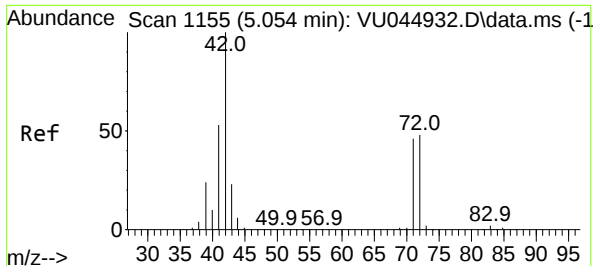
Tgt Ion: 43 Resp: 4632

Ion Ratio Lower Upper

43 100

72 23.9 21.3 31.9





#29

Tetrahydrofuran

Concen: 0.501 ug/l

RT: 5.070 min Scan# 1160

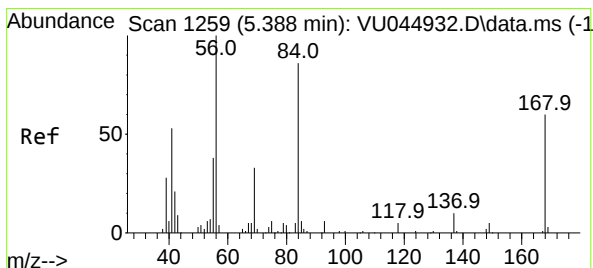
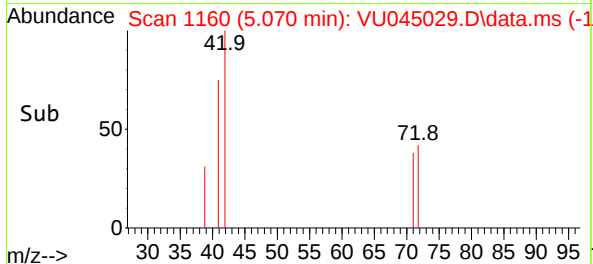
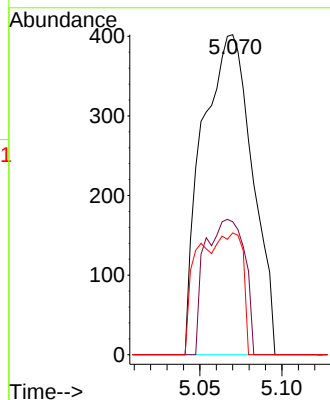
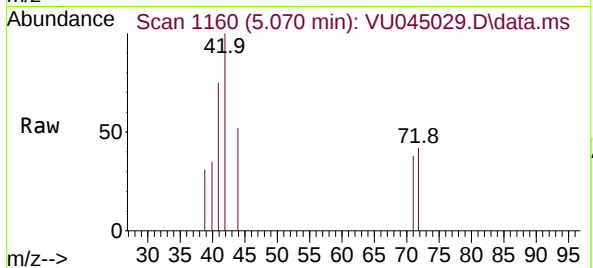
Delta R.T. 0.016 min

Lab File: VU045029.D

Acq: 30 Sep 2021 06:12

Instrument :
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Tgt Ion:	42	Resp:	851
Ion	Ratio	Lower	Upper
42	100		
72	33.1	36.2	54.4#
71	14.5	34.1	51.1#



#31

Cyclohexane

Concen: 1.001 ug/l

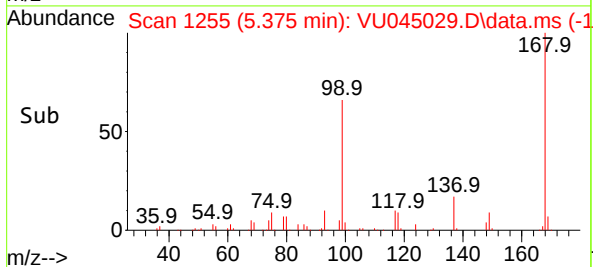
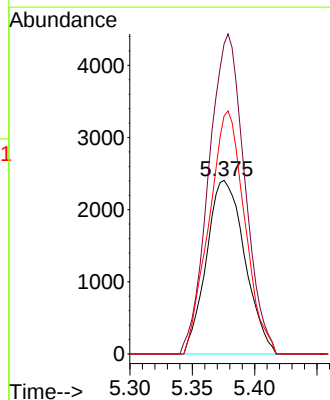
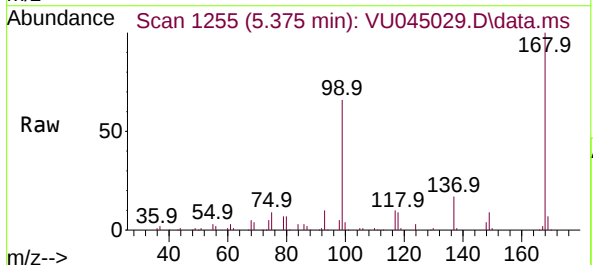
RT: 5.375 min Scan# 1255

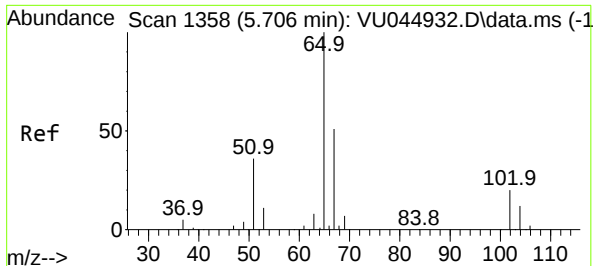
Delta R.T. -0.013 min

Lab File: VU045029.D

Acq: 30 Sep 2021 06:12

Tgt Ion:	56	Resp:	5146
Ion	Ratio	Lower	Upper
56	100		
69	178.6	25.2	37.8#
84	137.1	66.4	99.6#



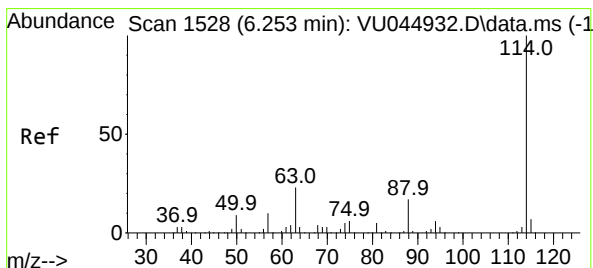
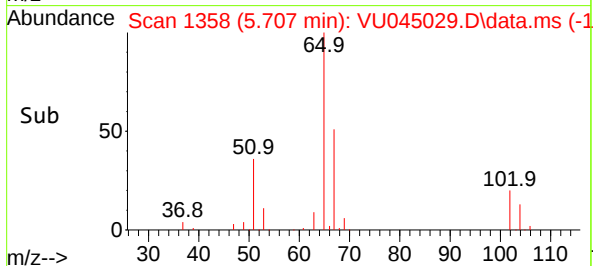
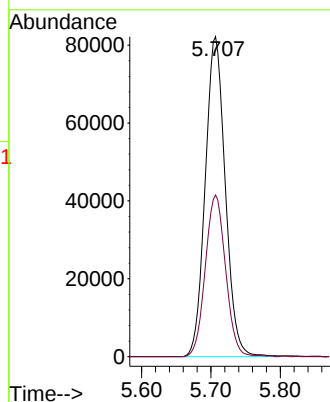
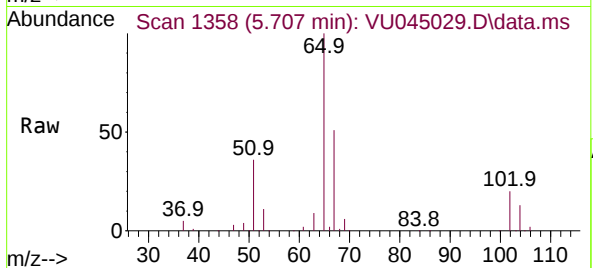


#33

1,2-Dichloroethane-d4
Concen: 48.763 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.001 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

Instrument :
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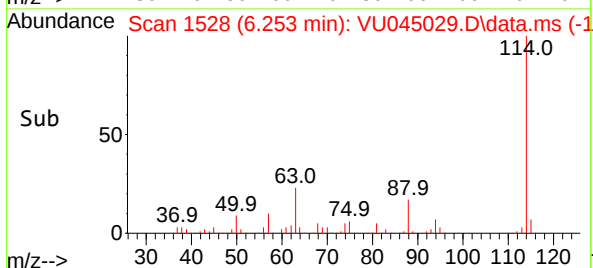
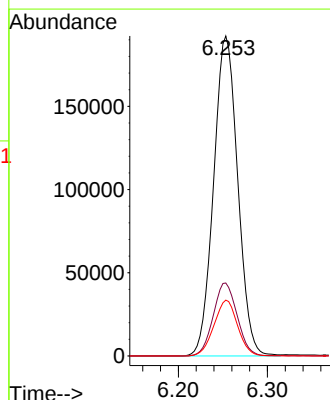
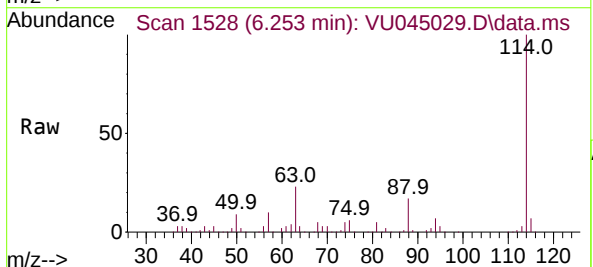
Tgt Ion: 65 Resp: 164958
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.8

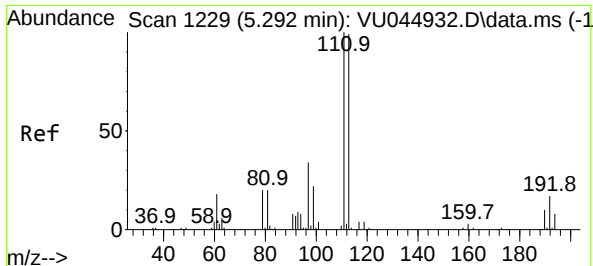


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

Tgt Ion: 114 Resp: 361461
Ion Ratio Lower Upper
114 100
63 22.8 0.0 47.8
88 17.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.683 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU045029.D

Acq: 30 Sep 2021 06:12

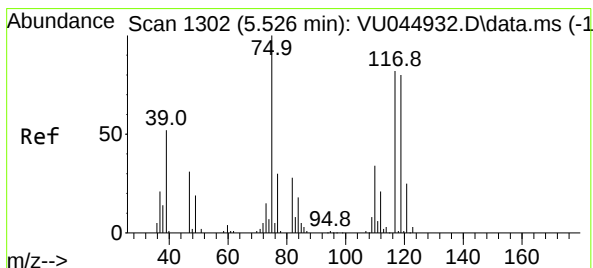
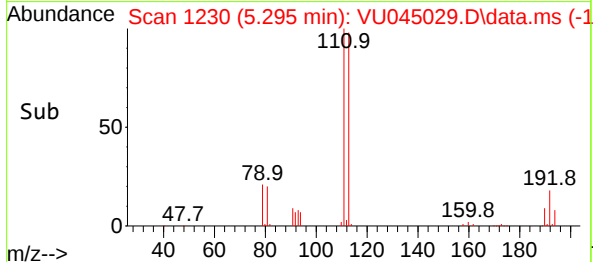
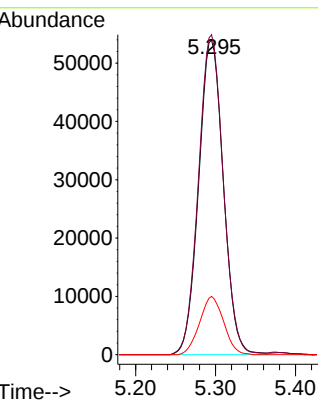
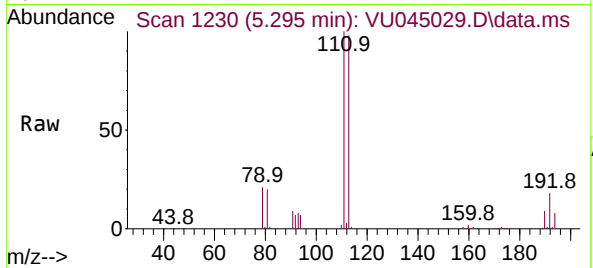
Tgt Ion:113 Resp: 115568

Ion Ratio Lower Upper

113 100

111 102.0 84.1 126.1

192 18.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.926 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.147 min

Lab File: VU045029.D

Acq: 30 Sep 2021 06:12

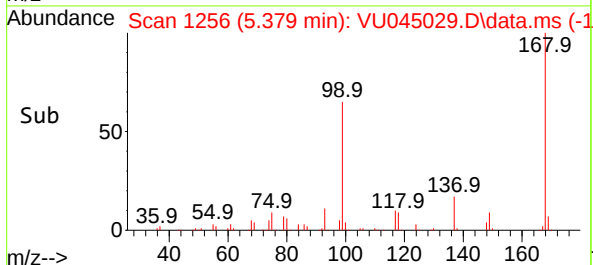
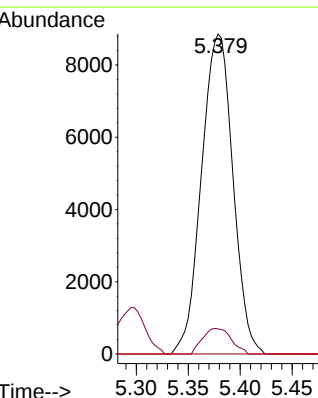
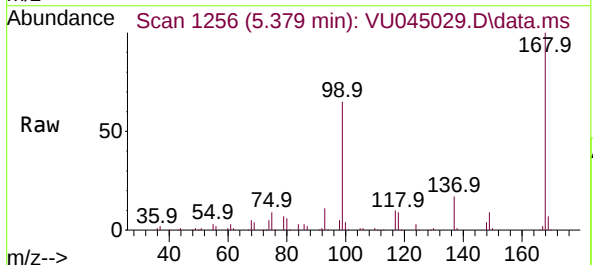
Tgt Ion: 75 Resp: 18619

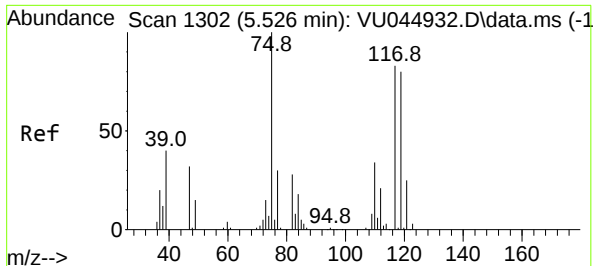
Ion Ratio Lower Upper

75 100

110 7.3 16.3 48.9#

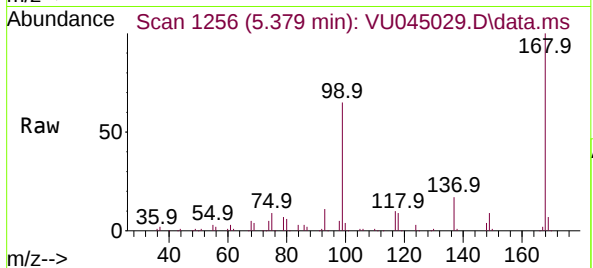
77 0.0 25.0 37.4#



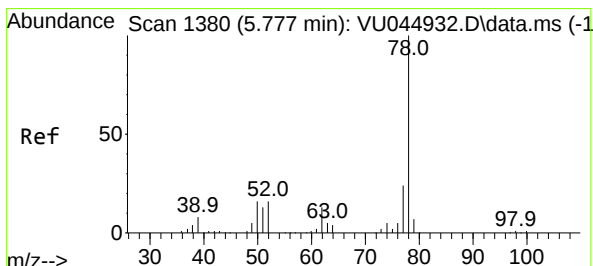
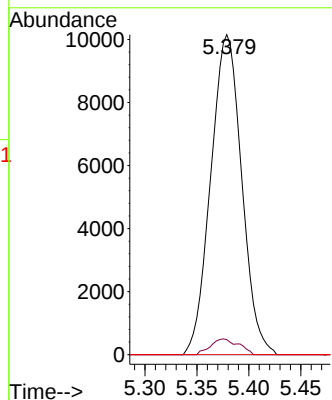
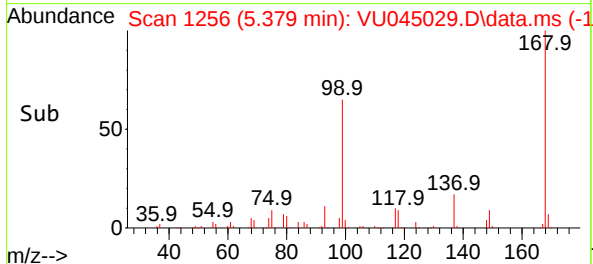


#38
Carbon Tetrachloride
Concen: 6.439 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.147 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

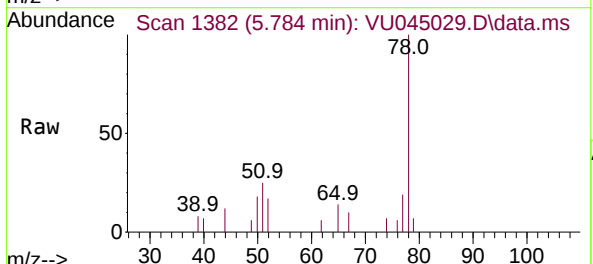
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1



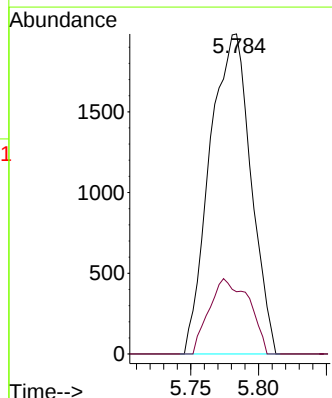
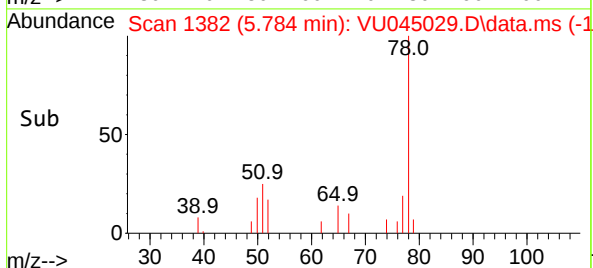
Tgt Ion:117 Resp: 21061
Ion Ratio Lower Upper
117 100
119 4.7 77.4 116.2#
121 0.0 24.5 36.7#

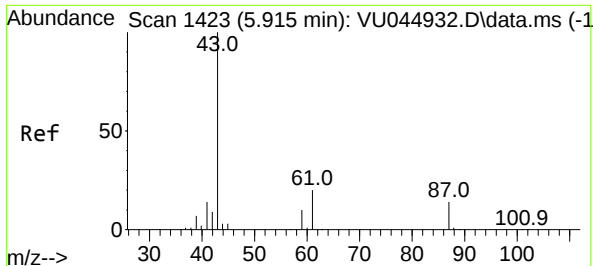


#40
Benzene
Concen: 0.371 ug/l
RT: 5.784 min Scan# 1382
Delta R.T. 0.007 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12



Tgt Ion: 78 Resp: 4175
Ion Ratio Lower Upper
78 100
77 19.5 19.1 28.7





#43

Isopropyl Acetate

Concen: 3.147 ug/l

RT: 5.916 min Scan# 1423

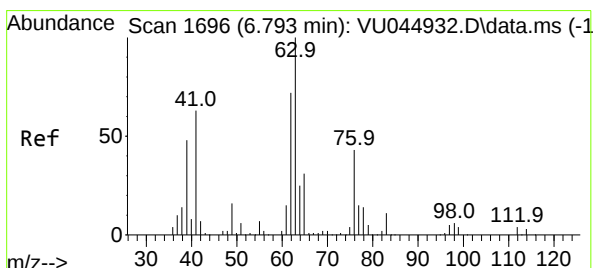
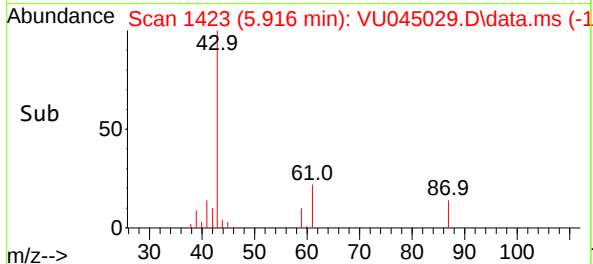
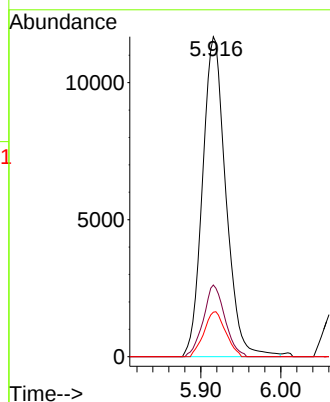
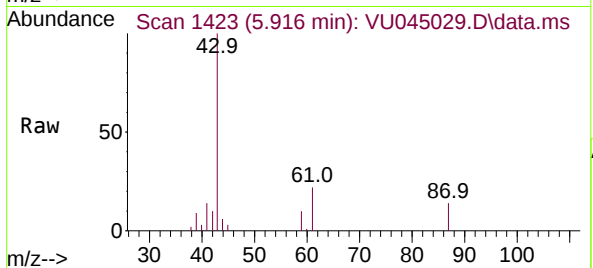
Delta R.T. 0.001 min

Lab File: VU045029.D

Acq: 30 Sep 2021 06:12

Tgt Ion:	43	Resp:	23680
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.1	24.1
87	13.0	10.3	15.5

Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1



#45

1,2-Dichloropropane

Concen: 0.597 ug/l

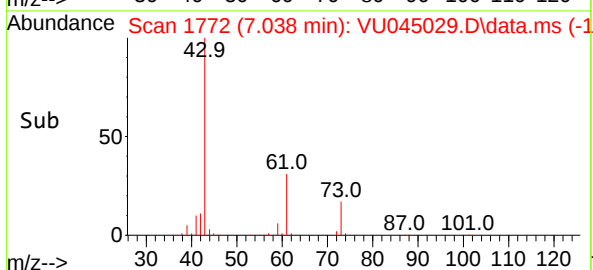
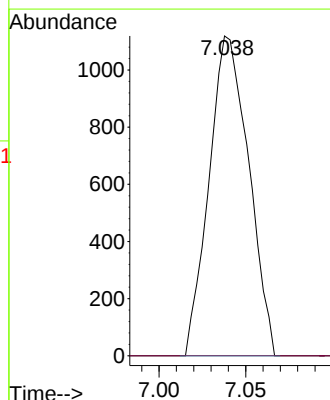
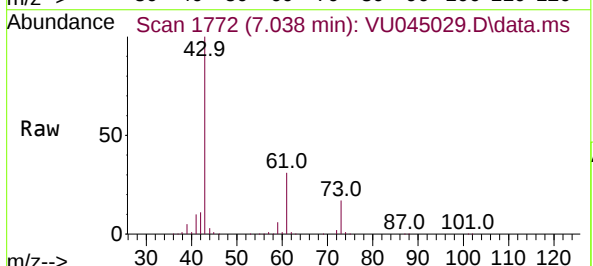
RT: 7.038 min Scan# 1772

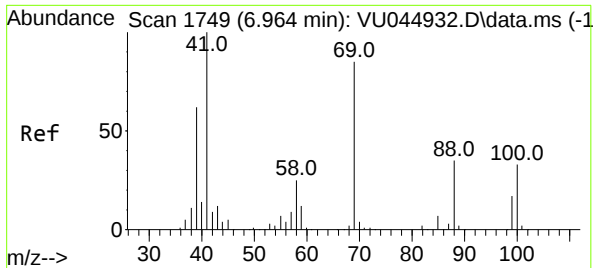
Delta R.T. 0.245 min

Lab File: VU045029.D

Acq: 30 Sep 2021 06:12

Tgt Ion:	63	Resp:	1781
Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#

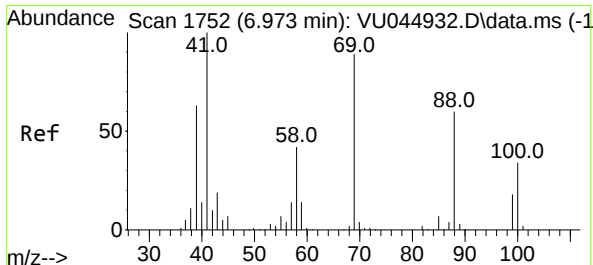
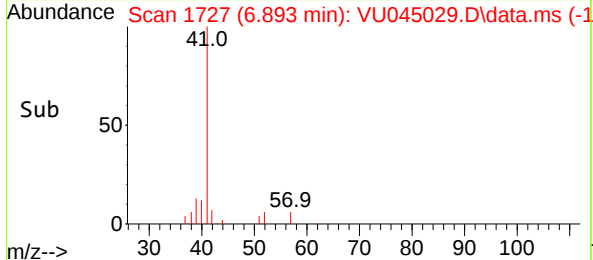
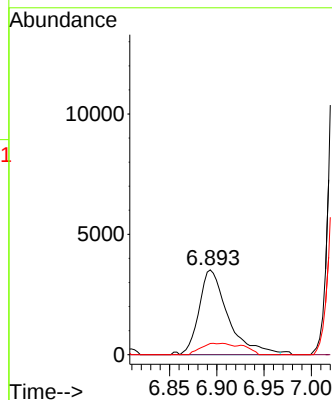
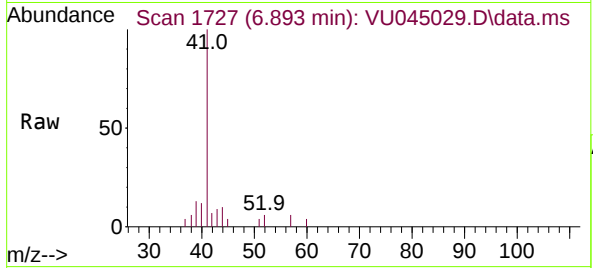




#48
Methyl methacrylate
Concen: 2.047 ug/l
RT: 6.893 min Scan# 1727
Delta R.T. -0.071 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

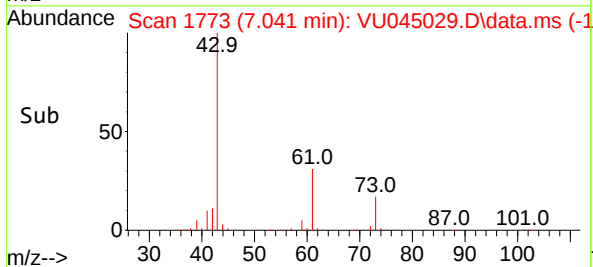
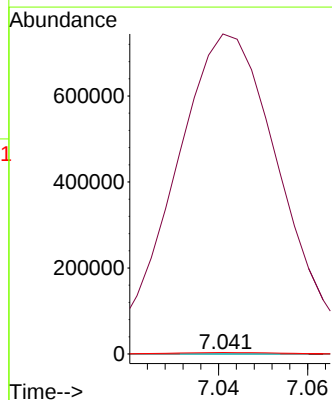
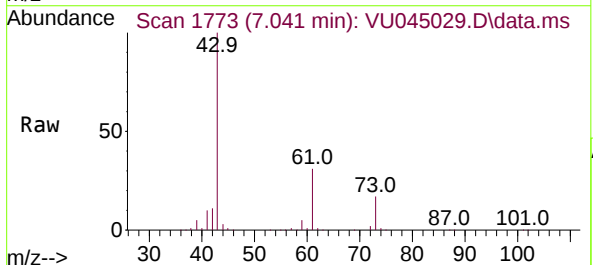
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

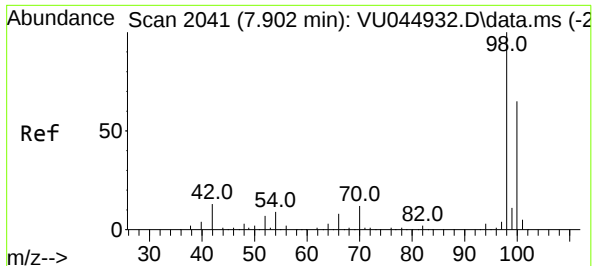
Tgt Ion: 41 Resp: 7498
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 0.0 46.2 69.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.041 min Scan# 1773
Delta R.T. 0.068 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 1392719.8 25.8 38.6#
58 6242.9 61.3 91.9#

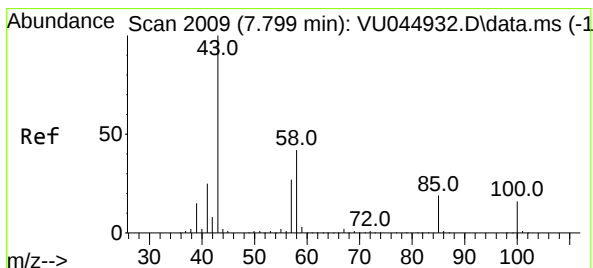
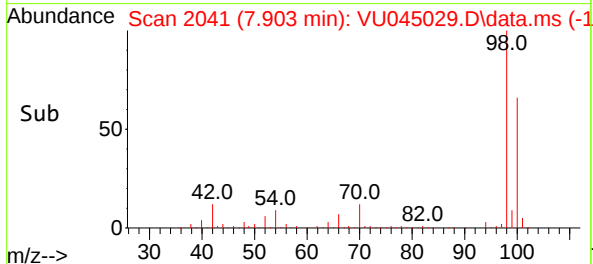
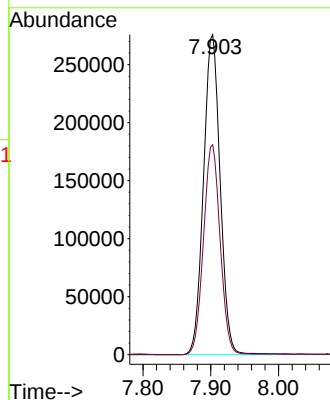
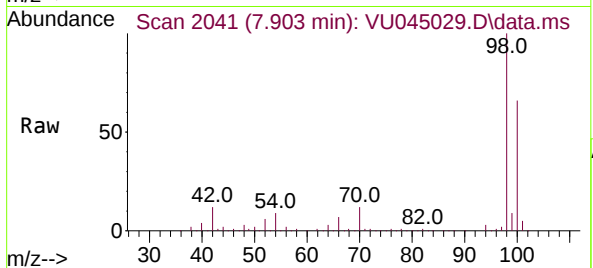




#50
Toluene-d8
Concen: 52.283 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

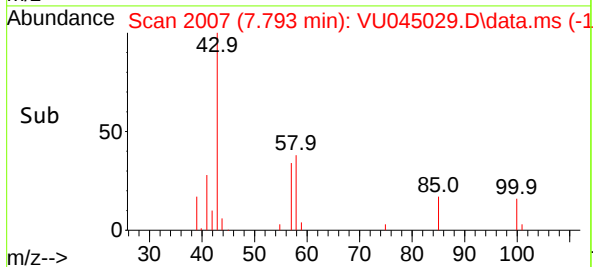
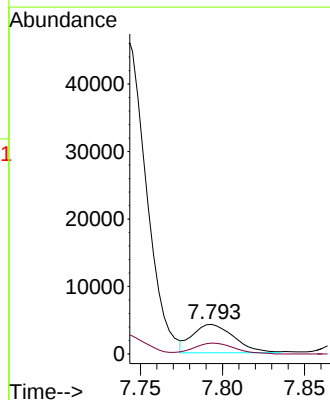
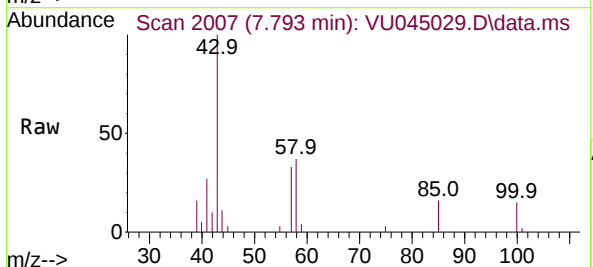
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

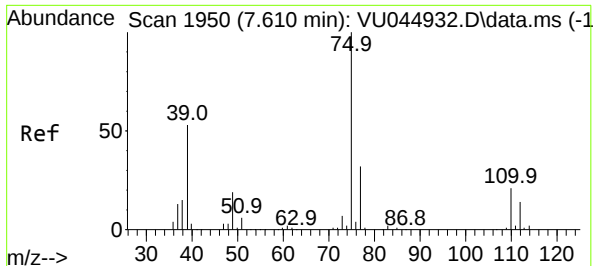
Tgt Ion: 98 Resp: 471042
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.354 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. -0.006 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

Tgt Ion: 43 Resp: 7418
Ion Ratio Lower Upper
43 100
58 37.1 32.4 48.6

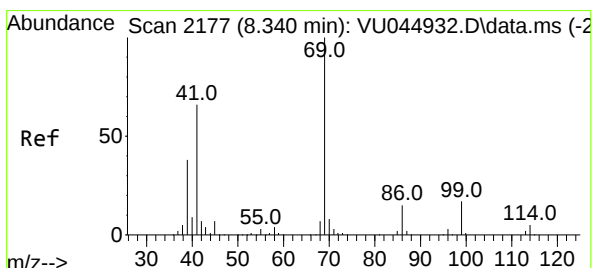
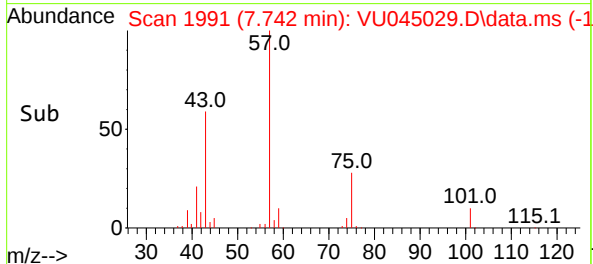
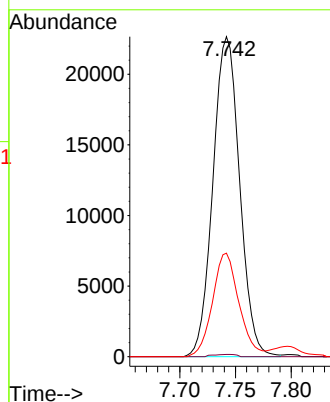
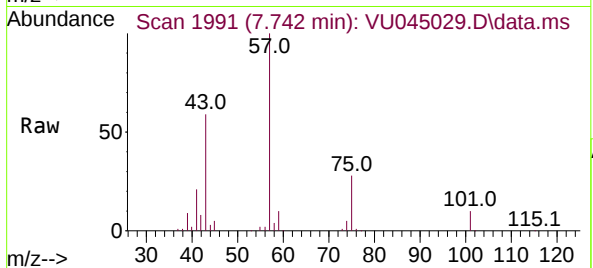




#54
 cis-1,3-Dichloropropene
 Concen: 8.125 ug/l
 RT: 7.742 min Scan# 1991
 Delta R.T. 0.132 min
 Lab File: VU045029.D
 Acq: 30 Sep 2021 06:12

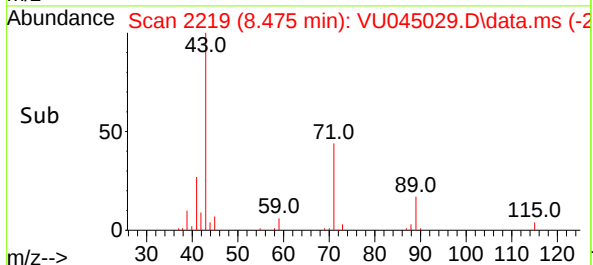
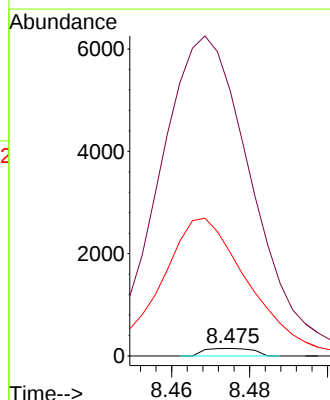
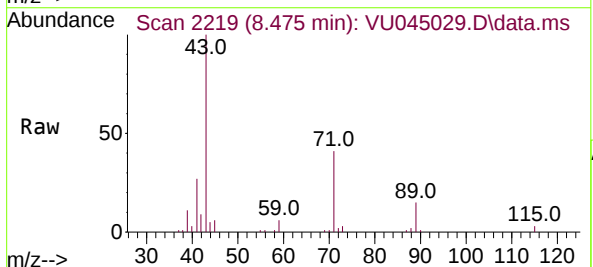
Instrument :
 MSVOA_U
 ClientSampleId :
 RO-COMP-1

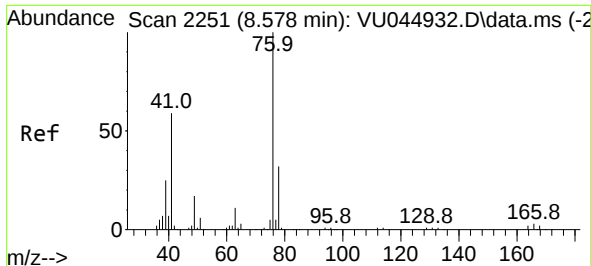
Tgt Ion: 75 Resp: 37783
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.6#
 39 32.4 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.842 ug/l
 RT: 8.475 min Scan# 2219
 Delta R.T. 0.135 min
 Lab File: VU045029.D
 Acq: 30 Sep 2021 06:12

Tgt Ion: 69 Resp: 128
 Ion Ratio Lower Upper
 69 100
 41 8221.9 53.5 80.3#
 39 3340.6 31.1 46.7#





#57

1,3-Dichloropropane

Concen: 4.147 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.151 min

Lab File: VU045029.D

Acq: 30 Sep 2021 06:12

Tgt Ion: 76 Resp: 21729

Ion Ratio Lower Upper

76 100

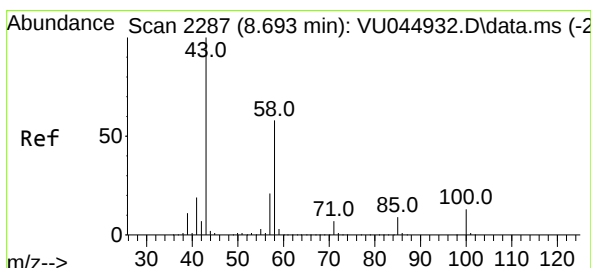
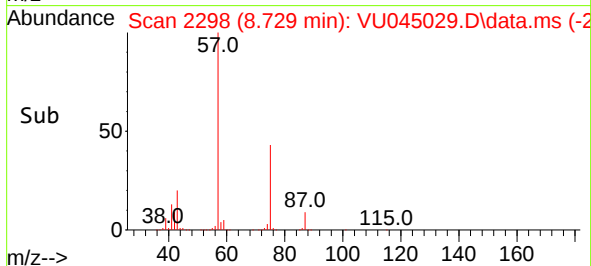
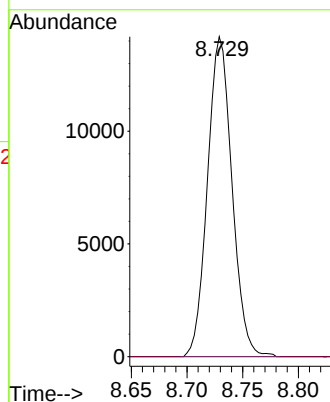
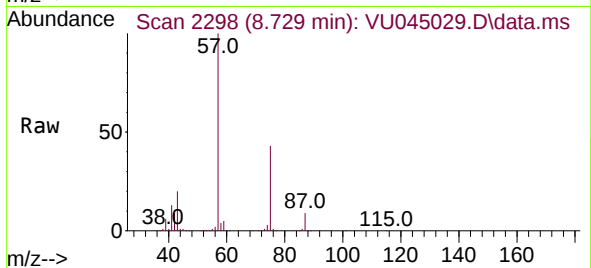
78 0.0 25.7 38.5#

Instrument :

MSVOA_U

ClientSampleId :

RO-COMP-1



#59

2-Hexanone

Concen: 67.464 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.036 min

Lab File: VU045029.D

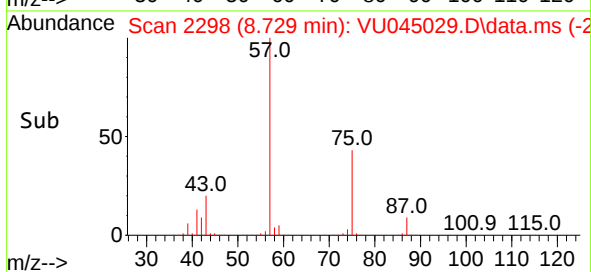
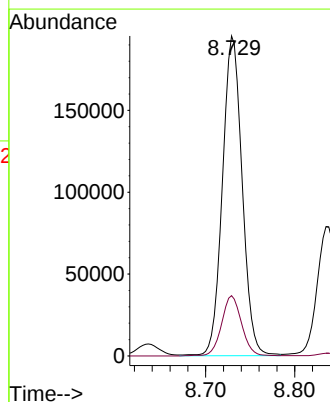
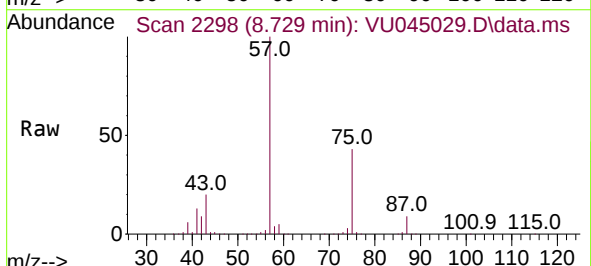
Acq: 30 Sep 2021 06:12

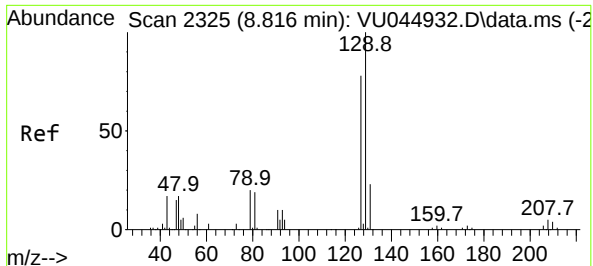
Tgt Ion: 43 Resp: 300944

Ion Ratio Lower Upper

43 100

58 19.2 28.0 84.0#

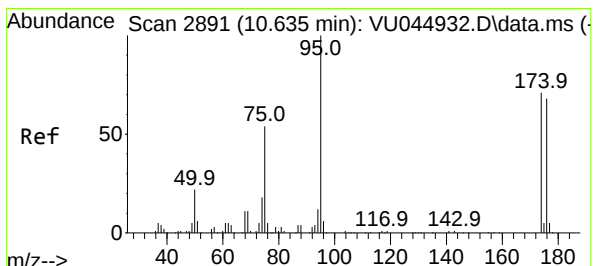
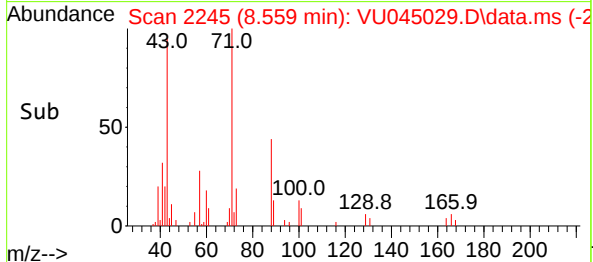
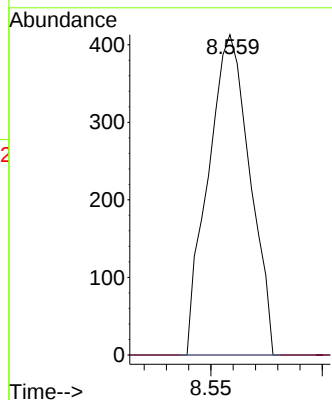
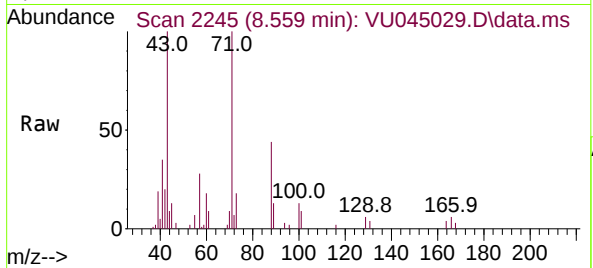




#60
Dibromochloromethane
Concen: 2.342 ug/l
RT: 8.559 min Scan# 2245
Delta R.T. -0.257 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

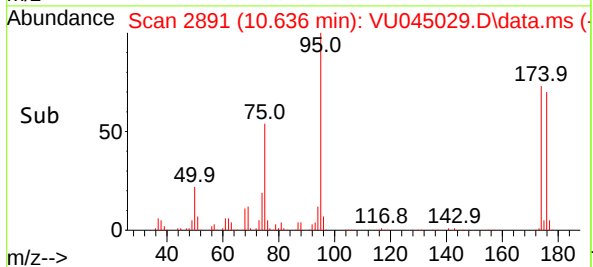
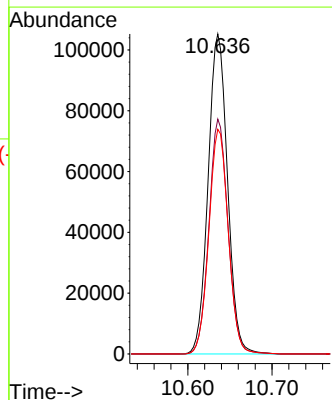
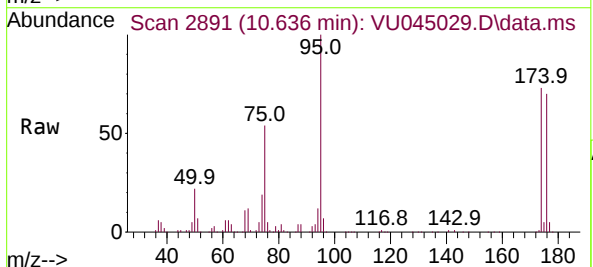
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

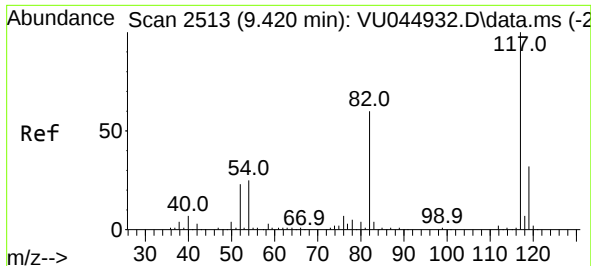
Tgt Ion:129 Resp: 538
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 45.311 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

Tgt Ion: 95 Resp: 168541
Ion Ratio Lower Upper
95 100
174 72.3 0.0 146.6
176 70.3 0.0 141.2

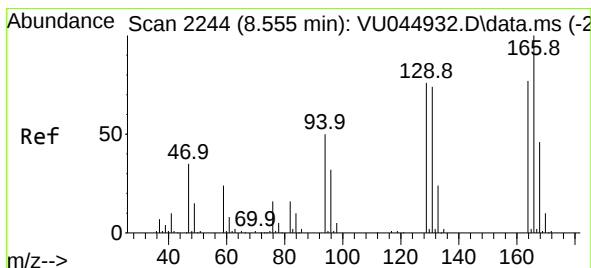
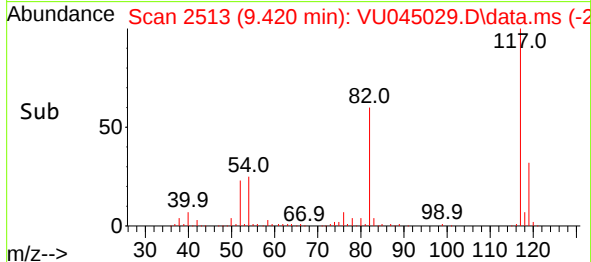
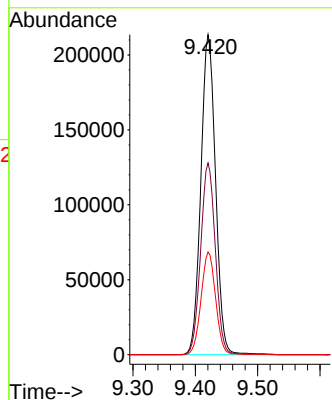
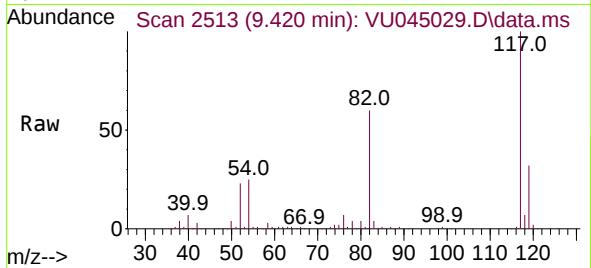




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

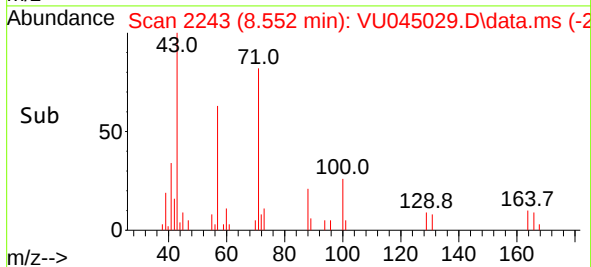
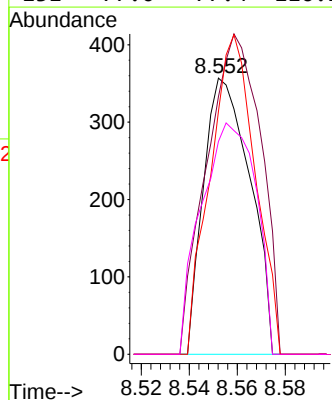
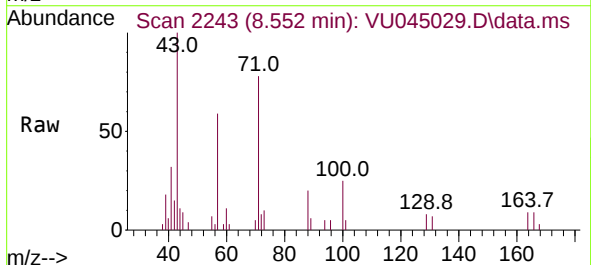
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

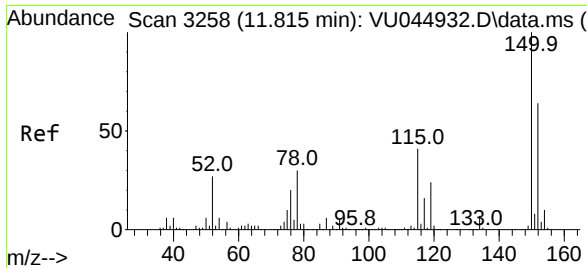
Tgt Ion:117 Resp: 350260
Ion Ratio Lower Upper
117 100
82 59.9 47.8 71.8
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 0.210 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU045029.D
Acq: 30 Sep 2021 06:12

Tgt Ion:164 Resp: 480
Ion Ratio Lower Upper
164 100
166 93.3 102.8 154.2#
129 88.0 79.4 119.2
131 77.0 77.4 116.2#

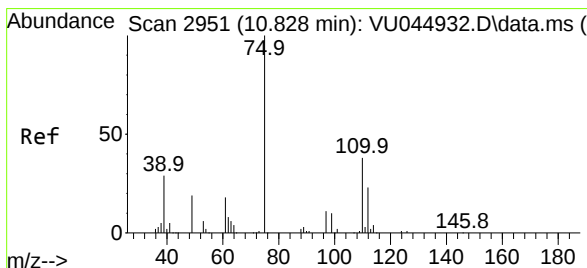
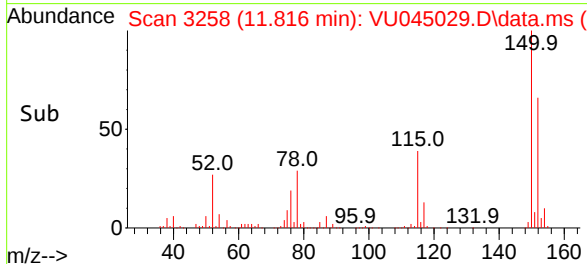
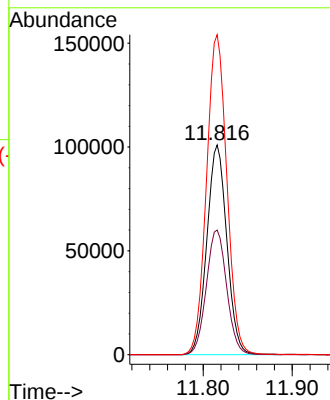
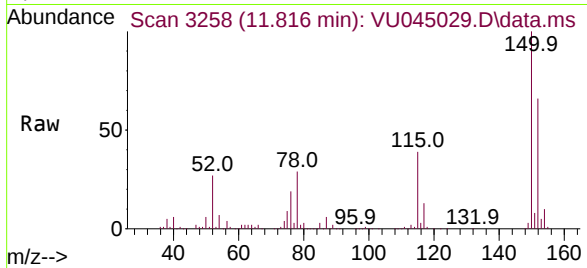




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.001 min
 Lab File: VU045029.D
 Acq: 30 Sep 2021 06:12

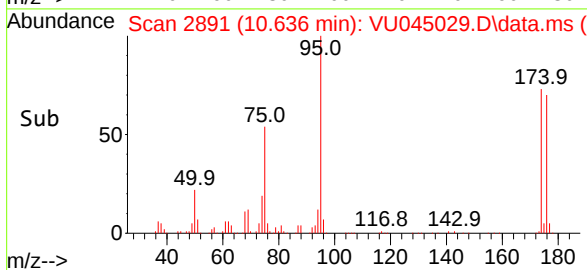
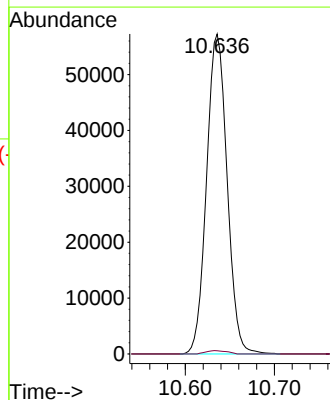
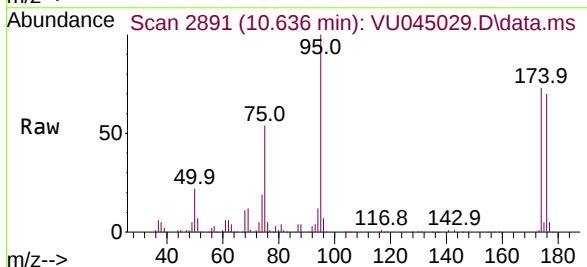
Instrument :
 MSVOA_U
 ClientSampleId :
 RO-COMP-1

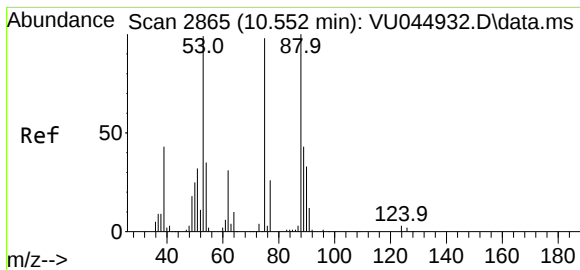
Tgt Ion:152 Resp: 157242
 Ion Ratio Lower Upper
 152 100
 115 60.7 43.5 130.7
 150 155.3 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.979 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU045029.D
 Acq: 30 Sep 2021 06:12

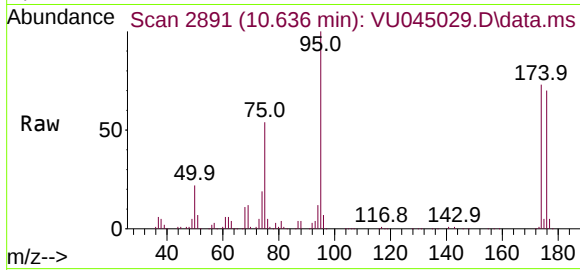
Tgt Ion: 75 Resp: 91631
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.444 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. 0.084 min
 Lab File: VU045029.D
 Acq: 30 Sep 2021 06:12

Instrument :
 MSVOA_U
 ClientSampleId :
 RO-COMP-1



Tgt Ion: 75 Resp: 91631
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

