

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045917.D
 Acq On : 22 Nov 2021 16:24
 Operator : SY/MD
 Sample : PB140933ZHE#02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 05:16:15 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

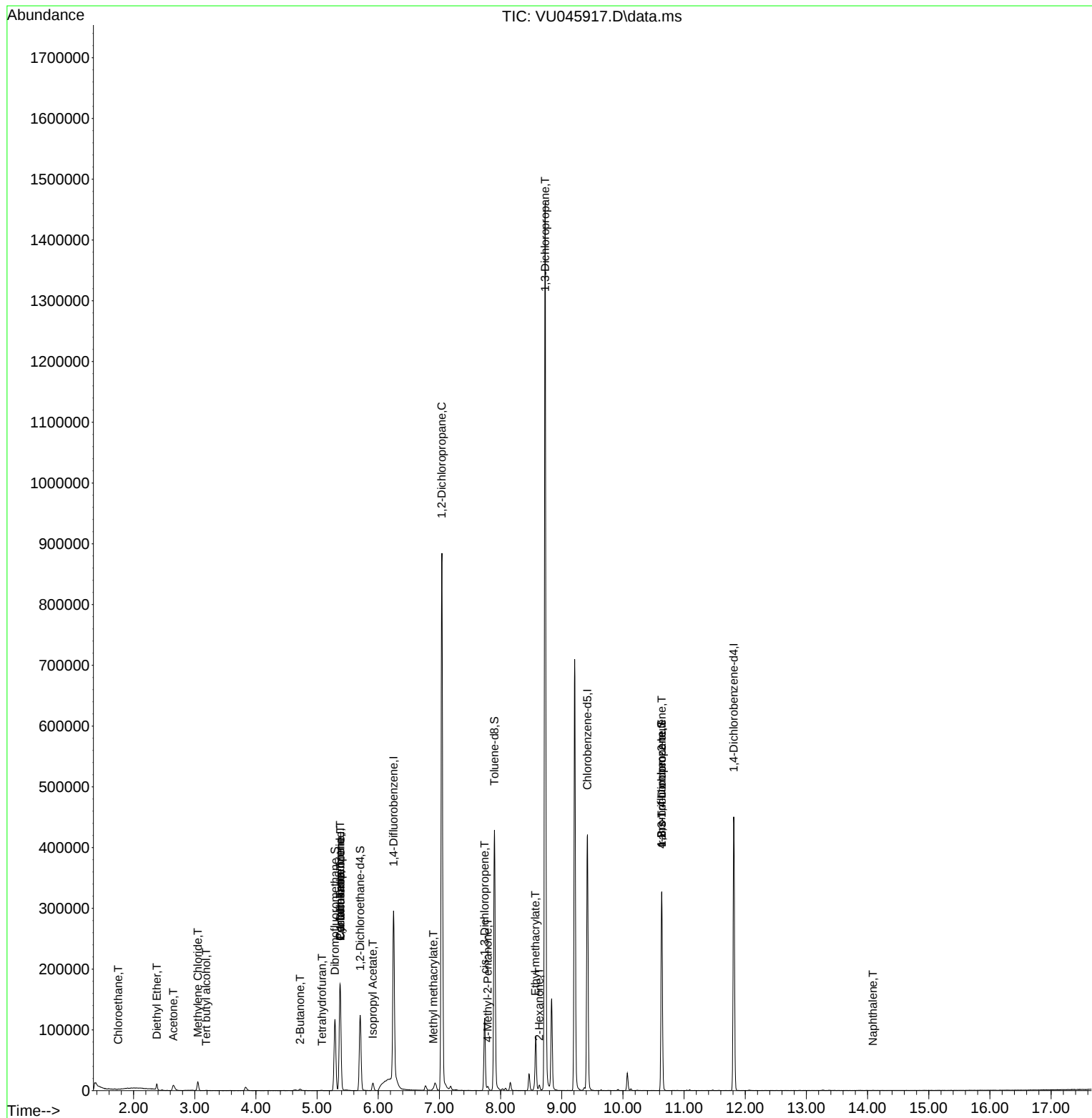
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	117263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	221383	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	235129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	115145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	92169	52.484	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.960%	
35) Dibromofluoromethane	5.292	113	74438	50.362	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.720%	
50) Toluene-d8	7.899	98	290540	52.863	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.720%	
62) 4-Bromofluorobenzene	10.632	95	111906	50.776	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.560%	
Target Compounds						Qvalue
6) Chloroethane	1.748	64	244	0.221	ug/l #	41
8) Diethyl Ether	2.378	74	3687	4.157	ug/l	94
11) Tert butyl alcohol	3.189	59	317	0.912	ug/l #	72
16) Acetone	2.649	43	16244	18.171	ug/l	92
20) Methylene Chloride	3.050	84	7232	4.656	ug/l	97
25) 2-Butanone	4.722	43	4336	3.497	ug/l #	89
29) Tetrahydrofuran	5.083	42	618	0.815	ug/l #	30
31) Cyclohexane	5.378	56	2719	1.061	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	10248	4.747	ug/l #	50
38) Carbon Tetrachloride	5.375	117	12210	5.610	ug/l #	16
43) Isopropyl Acetate	5.912	43	13712	3.615	ug/l	98
45) 1,2-Dichloropropane	7.037	63	1051	0.622	ug/l #	43
48) Methyl methacrylate	6.899	41	4701	2.693	ug/l #	13
51) 4-Methyl-2-Pentanone	7.790	43	4373	1.748	ug/l #	84
54) cis-1,3-Dichloropropene	7.738	75	22403	8.255	ug/l #	61
56) Ethyl methacrylate	8.571	69	674	2.645	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	15396	5.271	ug/l #	42
59) 2-Hexanone	8.632	43	7020	10.662	ug/l #	21
76) 1,2,3-Trichloropropane	10.635	75	59605	17.070	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.635	75	59605	55.565	ug/l #	12
95) Naphthalene	14.089	128	318	1.062	ug/l #	69

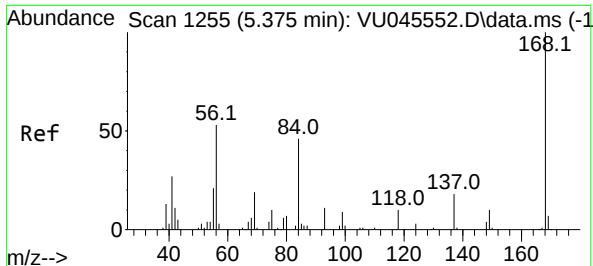
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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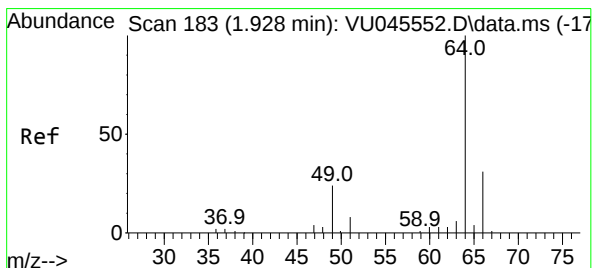
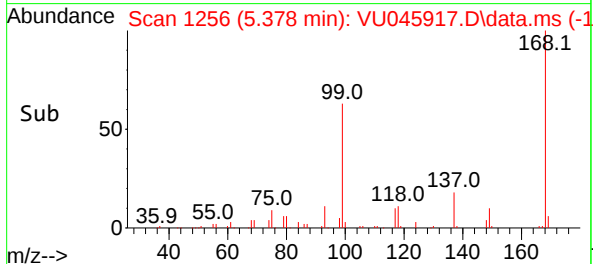
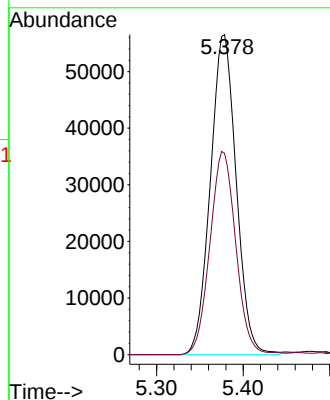
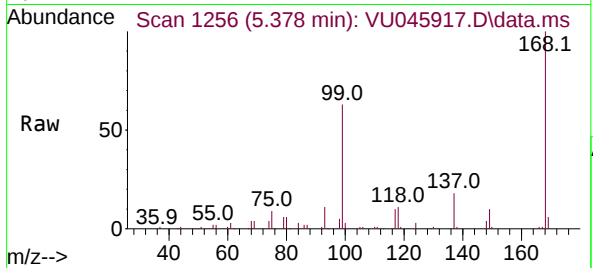




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

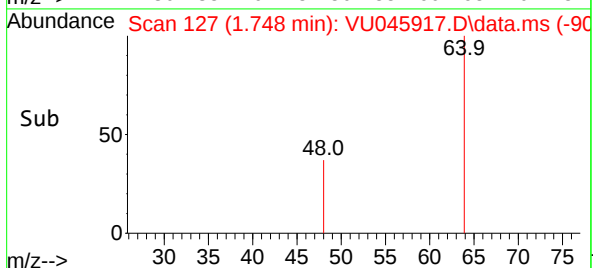
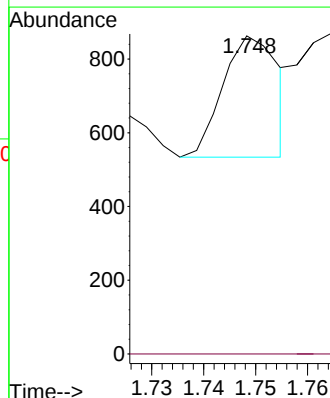
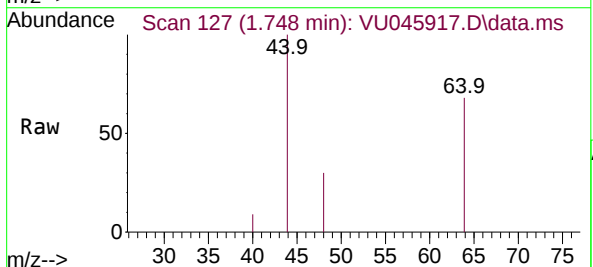
Instrument :
MSVOA_U
ClientSampleId :

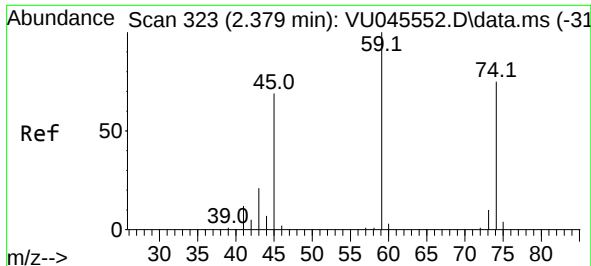
Tgt Ion:168 Resp: 117263
Ion Ratio Lower Upper
168 100
99 63.0 51.0 76.6



#6
Chloroethane
Concen: 0.221 ug/l
RT: 1.748 min Scan# 127
Delta R.T. -0.180 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

Tgt Ion: 64 Resp: 244
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#8
Diethyl Ether

Concen: 4.157 ug/l

RT: 2.378 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU045917.D

Acq: 22 Nov 2021 16:24

Instrument :

MSVOA_U

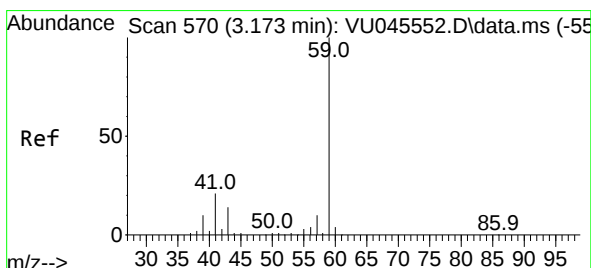
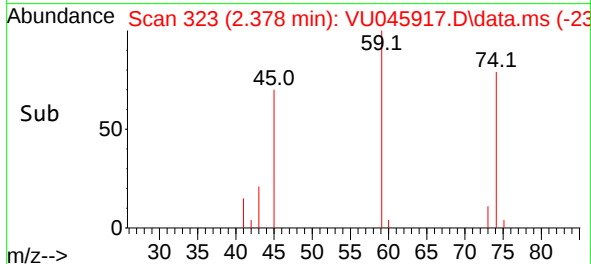
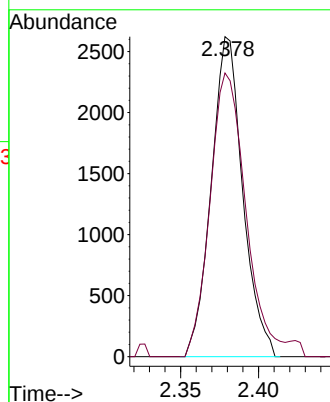
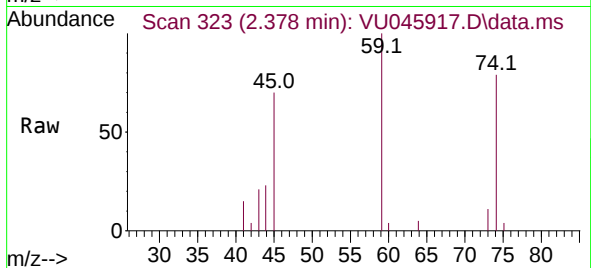
ClientSampleId :

Tgt Ion: 74 Resp: 3687

Ion Ratio Lower Upper

74 100

45 100.6 47.3 141.8



#11

Tert butyl alcohol

Concen: 0.912 ug/l

RT: 3.189 min Scan# 575

Delta R.T. 0.016 min

Lab File: VU045917.D

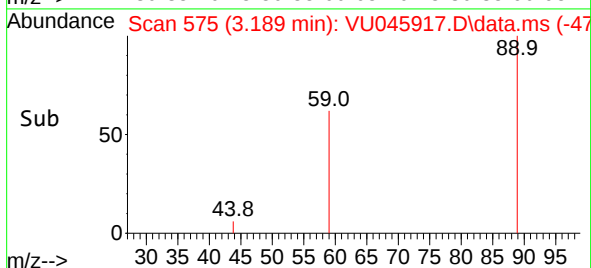
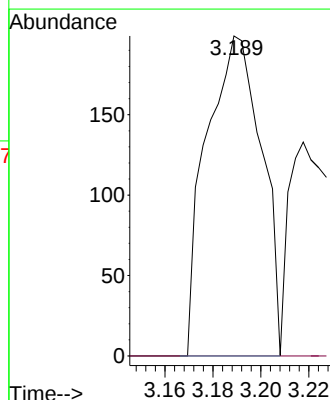
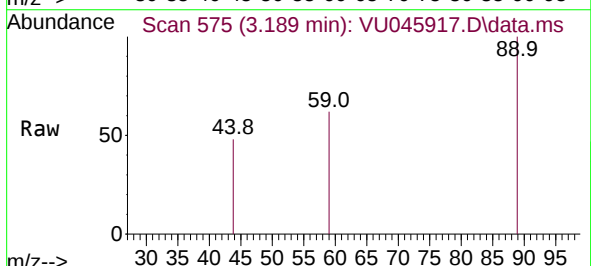
Acq: 22 Nov 2021 16:24

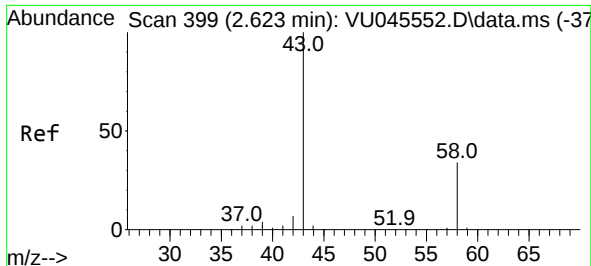
Tgt Ion: 59 Resp: 317

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

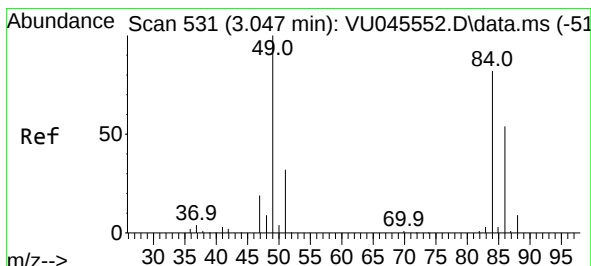
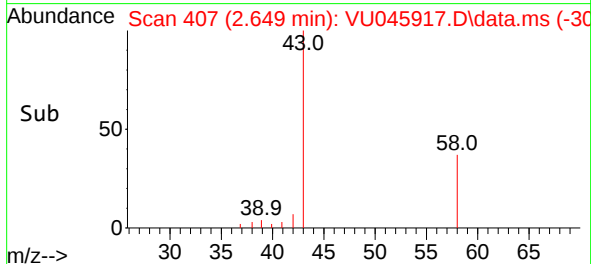
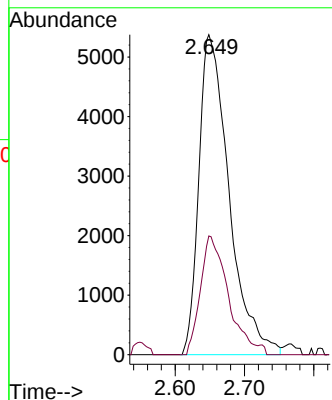
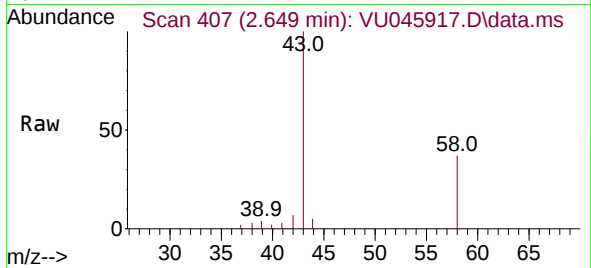




#16
Acetone
Concen: 18.171 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.026 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

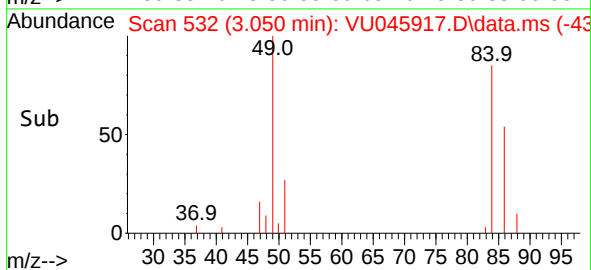
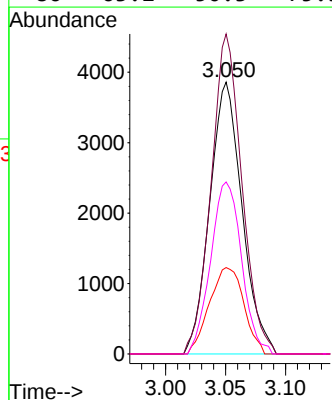
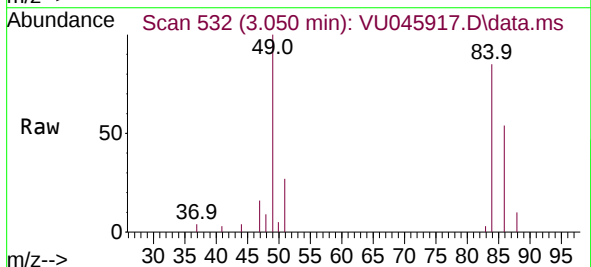
Instrument :
MSVOA_U
ClientSampleId :

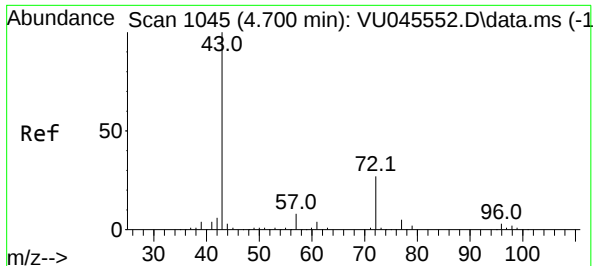
Tgt Ion: 43 Resp: 16244
Ion Ratio Lower Upper
43 100
58 37.1 26.2 39.2



#20
Methylene Chloride
Concen: 4.656 ug/l
RT: 3.050 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

Tgt Ion: 84 Resp: 7232
Ion Ratio Lower Upper
84 100
49 117.7 96.4 144.6
51 31.8 30.5 45.7
86 63.2 50.3 75.5





#25

2-Butanone

Concen: 3.497 ug/l

RT: 4.722 min Scan# 1164

Delta R.T. 0.022 min

Lab File: VU045917.D

Acq: 22 Nov 2021 16:24

Instrument :

MSVOA_U

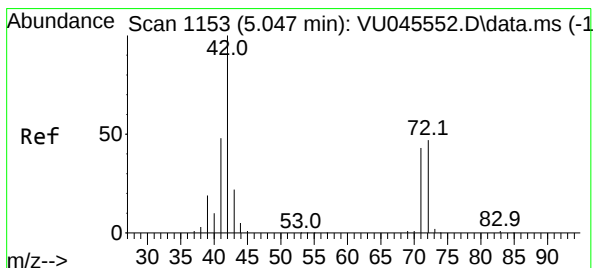
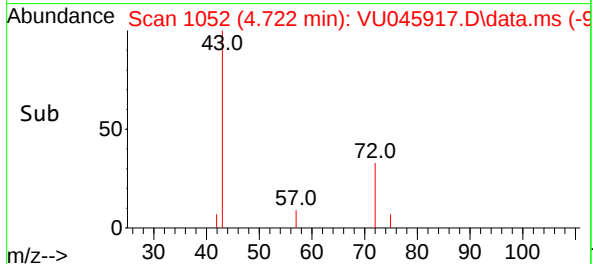
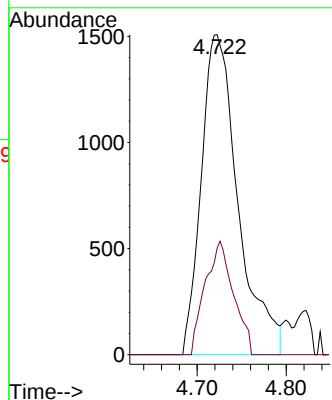
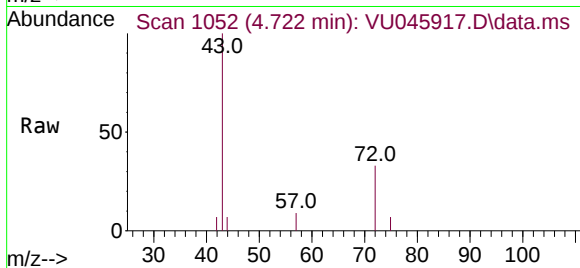
ClientSampleId :

Tgt Ion: 43 Resp: 4336

Ion Ratio Lower Upper

43 100

72 33.4 22.0 33.0#



#29

Tetrahydrofuran

Concen: 0.815 ug/l

RT: 5.083 min Scan# 1164

Delta R.T. 0.035 min

Lab File: VU045917.D

Acq: 22 Nov 2021 16:24

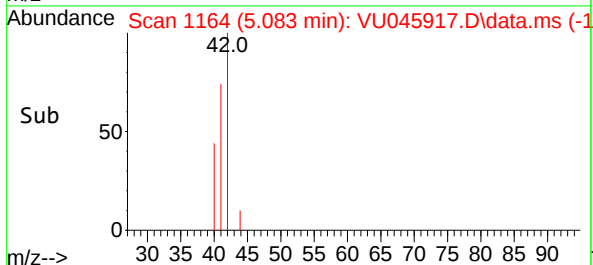
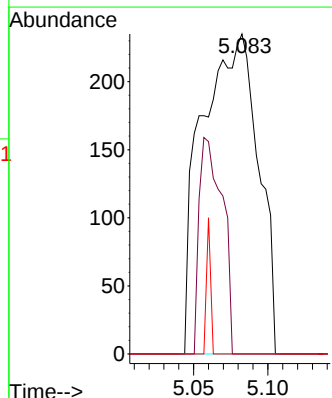
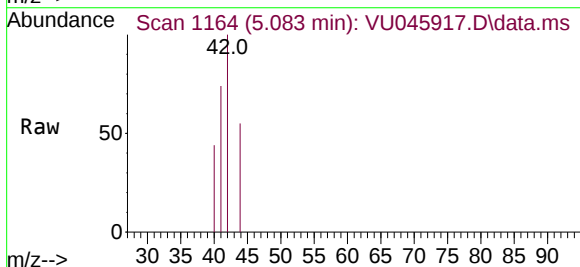
Tgt Ion: 42 Resp: 618

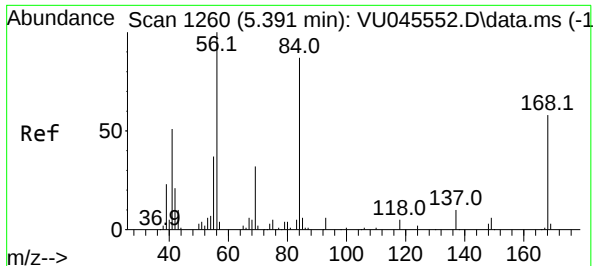
Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.4#

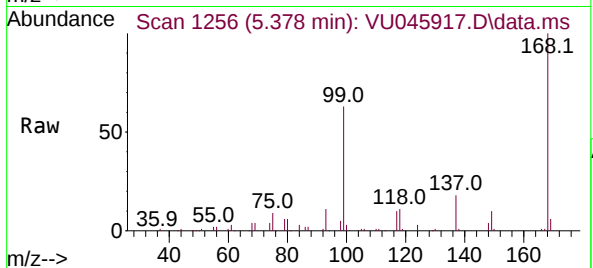
71 0.0 35.4 53.2#



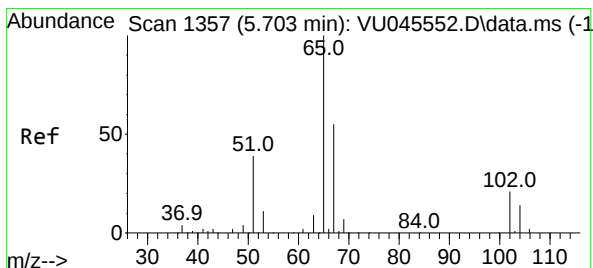
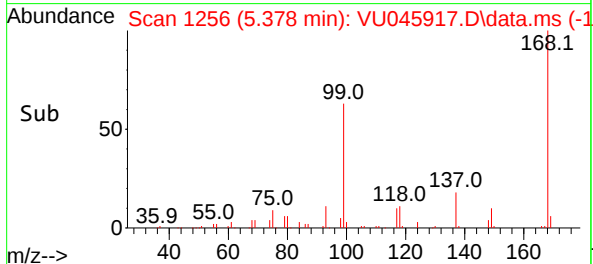
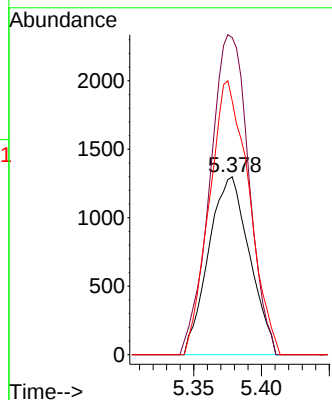


#31
Cyclohexane
Concen: 1.061 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

Instrument :
MSVOA_U
ClientSampleId :

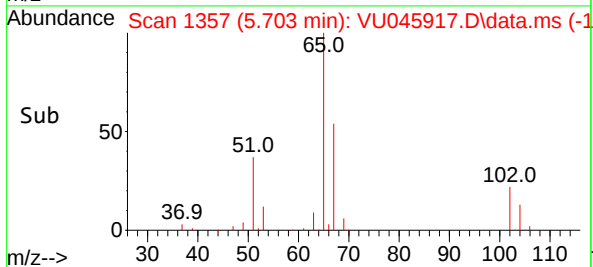
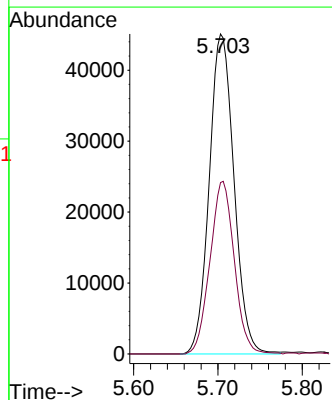
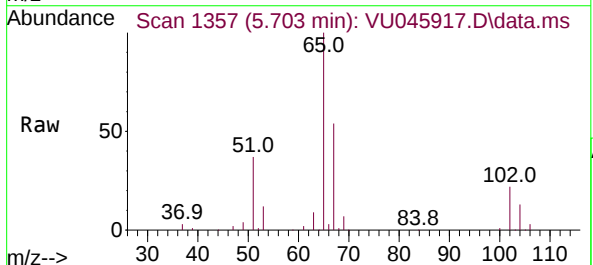


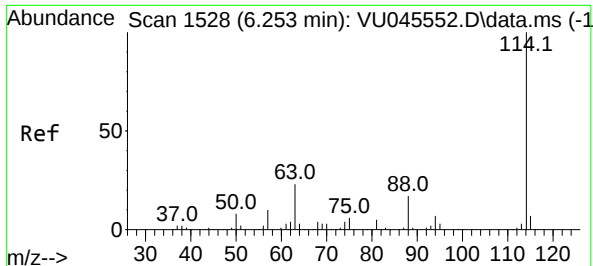
Tgt Ion: 56 Resp: 2719
Ion Ratio Lower Upper
56 100
69 178.2 26.4 39.6#
84 142.5 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 52.484 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.000 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

Tgt Ion: 65 Resp: 92169
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU045917.D

Acq: 22 Nov 2021 16:24

Instrument :

MSVOA_U

ClientSampleId :

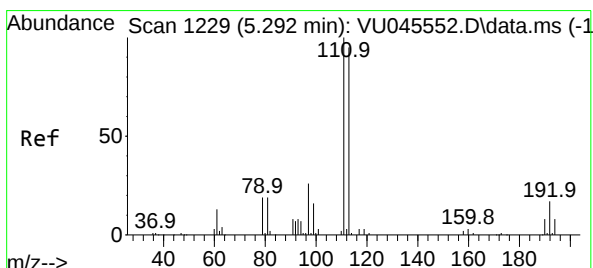
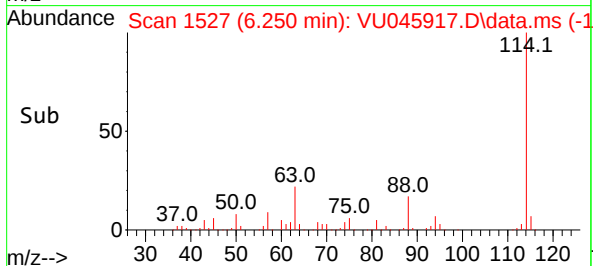
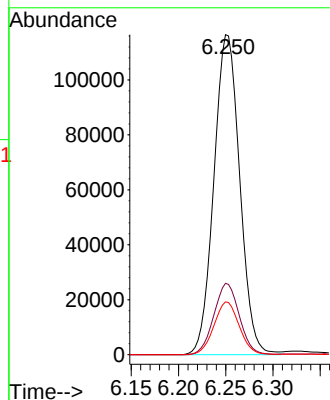
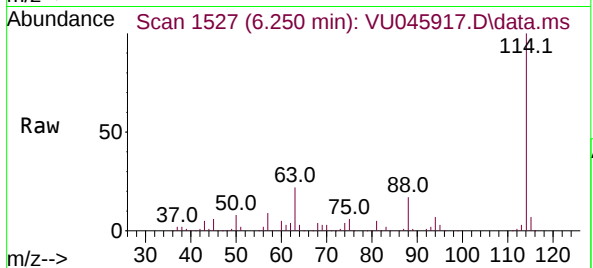
Tgt Ion:114 Resp: 221383

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.6

88 16.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.362 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045917.D

Acq: 22 Nov 2021 16:24

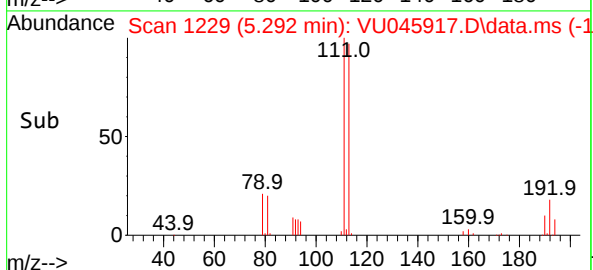
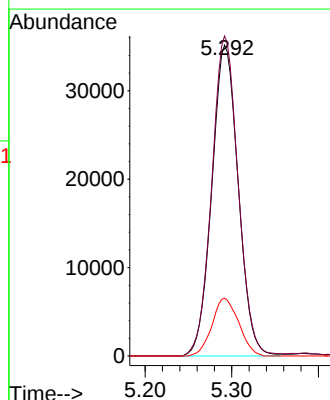
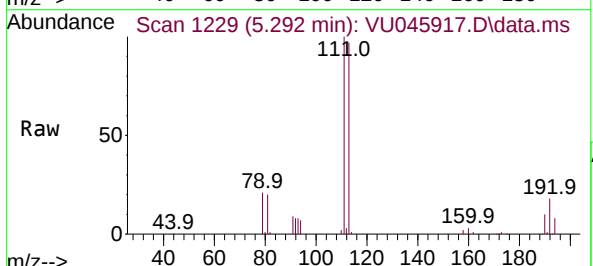
Tgt Ion:113 Resp: 74438

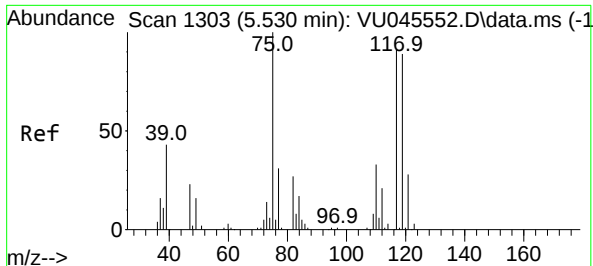
Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 18.8 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.747 ug/l

RT: 5.378 min Scan# 1

Delta R.T. -0.151 min

Lab File: VU045917.D

Acq: 22 Nov 2021 16:24

Instrument :

MSVOA_U

ClientSampleId :

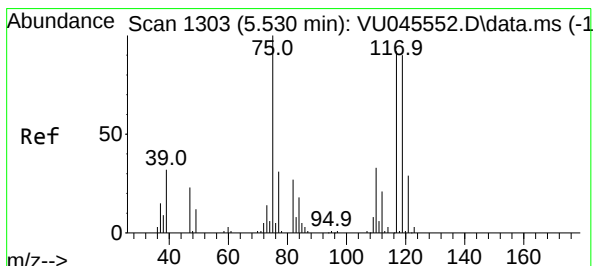
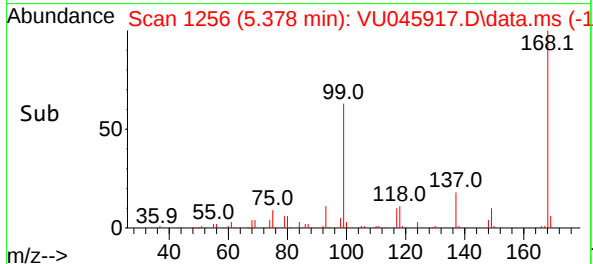
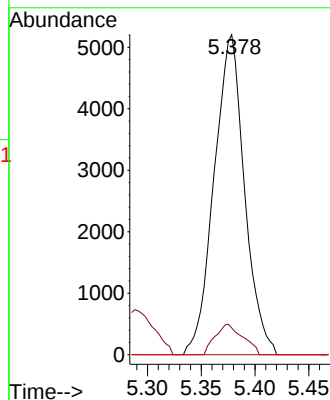
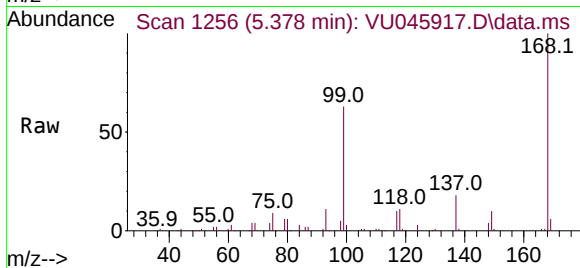
Tgt Ion: 75 Resp: 10248

Ion Ratio Lower Upper

75 100

110 8.6 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.610 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045917.D

Acq: 22 Nov 2021 16:24

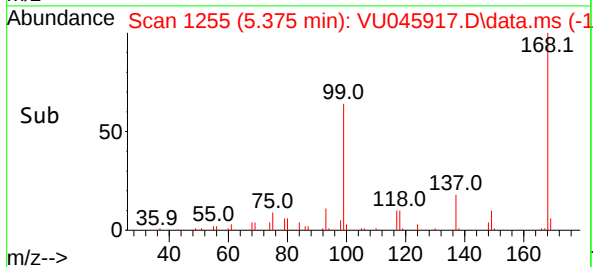
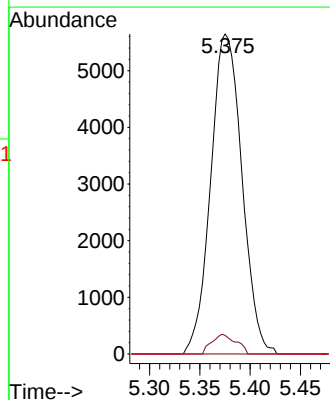
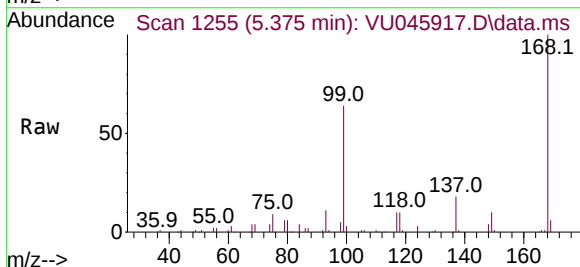
Tgt Ion: 117 Resp: 12210

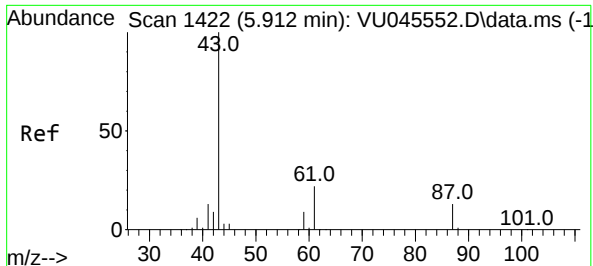
Ion Ratio Lower Upper

117 100

119 5.8 77.4 116.0#

121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 3.615 ug/l

RT: 5.912 min Scan# 1422

Delta R.T. -0.000 min

Lab File: VU045917.D

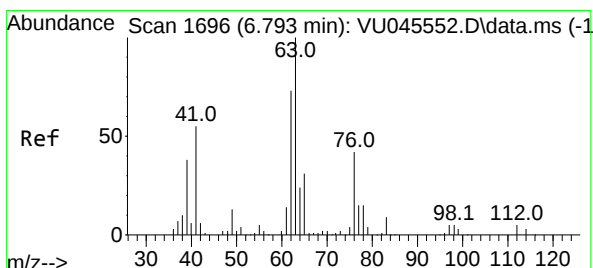
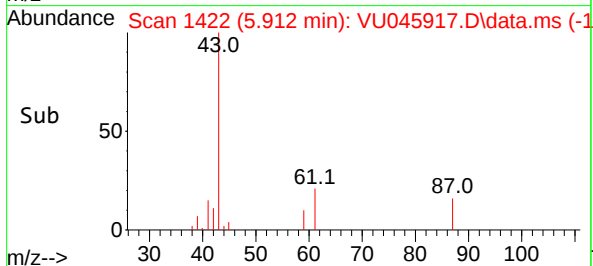
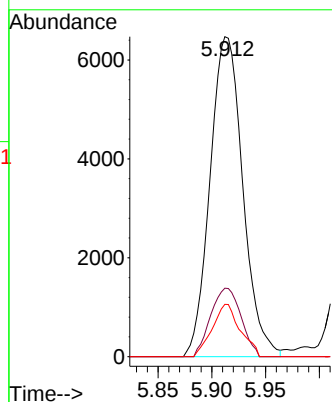
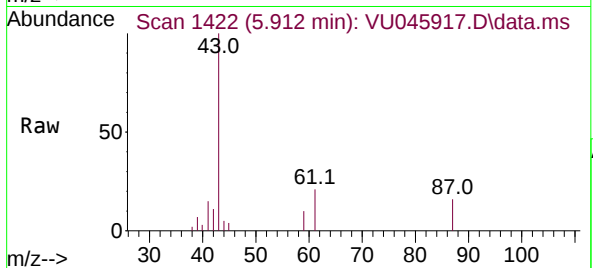
Acq: 22 Nov 2021 16:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43	Resp: 13712
Ion Ratio	Lower Upper
43	100
61	19.8 16.9 25.3
87	13.9 11.0 16.4



#45

1,2-Dichloropropane

Concen: 0.622 ug/l

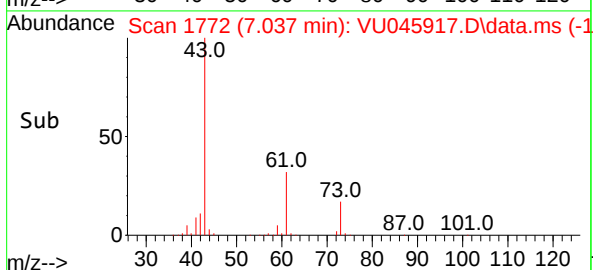
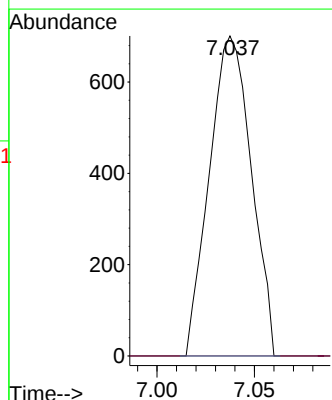
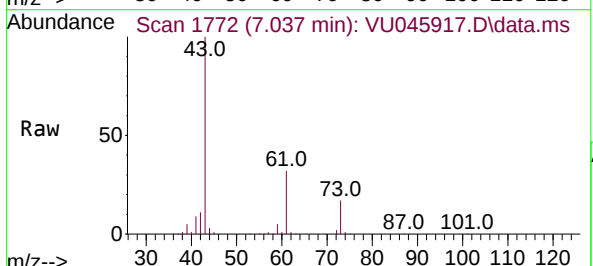
RT: 7.037 min Scan# 1772

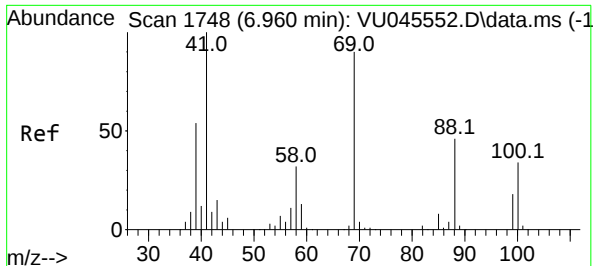
Delta R.T. 0.244 min

Lab File: VU045917.D

Acq: 22 Nov 2021 16:24

Tgt Ion: 63	Resp: 1051
Ion Ratio	Lower Upper
63	100
65	0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 2.693 ug/l

RT: 6.899 min Scan# 1729

Delta R.T. -0.061 min

Lab File: VU045917.D

Acq: 22 Nov 2021 16:24

Instrument :

MSVOA_U

ClientSampleId :

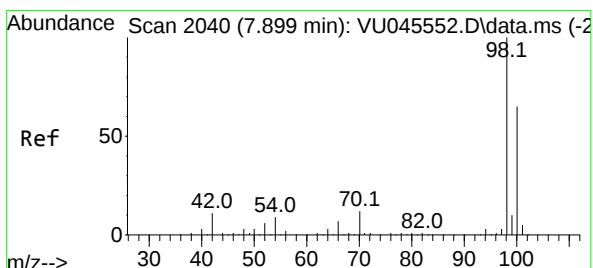
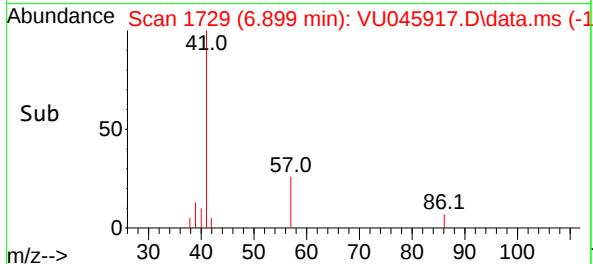
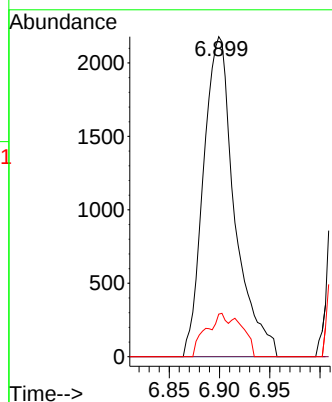
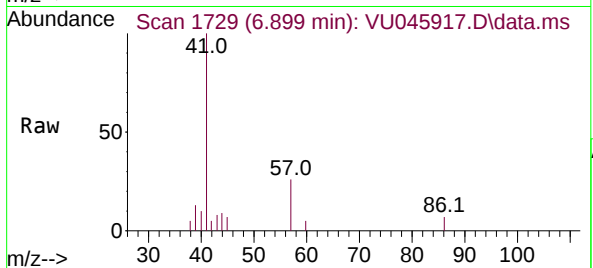
Tgt Ion: 41 Resp: 4701

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#



#50

Toluene-d8

Concen: 52.863 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VU045917.D

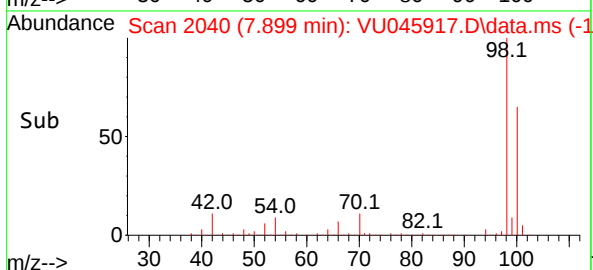
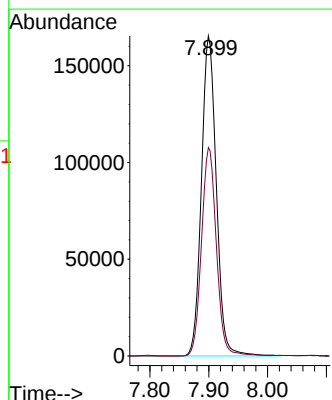
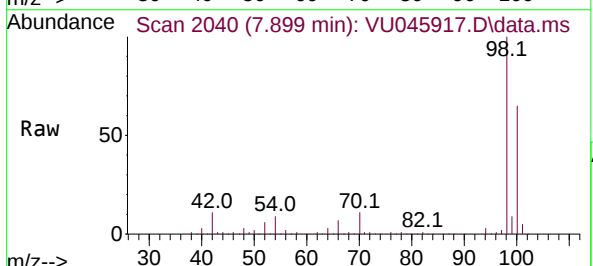
Acq: 22 Nov 2021 16:24

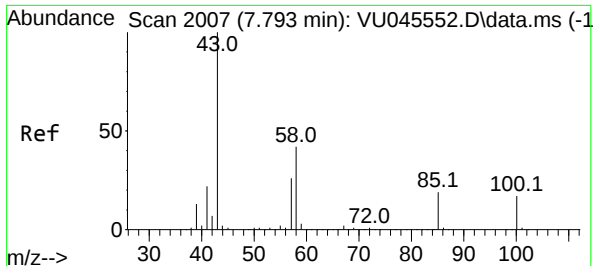
Tgt Ion: 98 Resp: 290540

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7

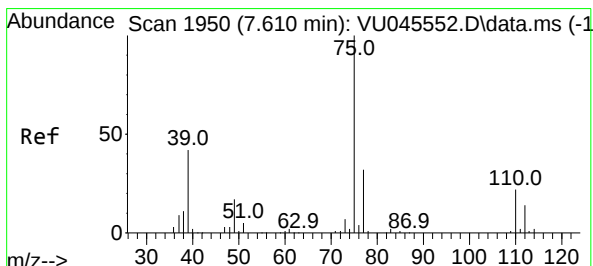
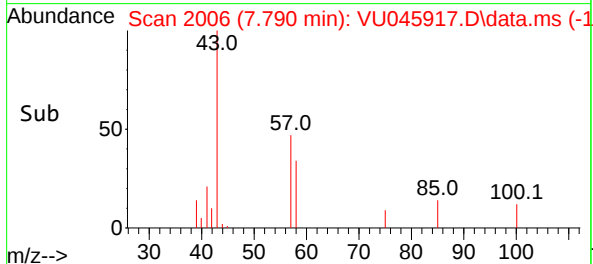
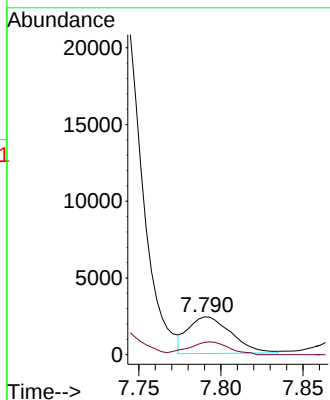
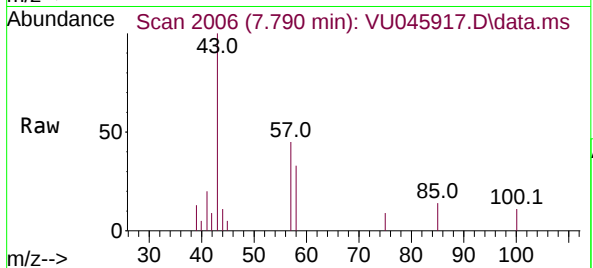




#51
4-Methyl-2-Pentanone
Concen: 1.748 ug/l
RT: 7.790 min Scan# 2007
Delta R.T. -0.003 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

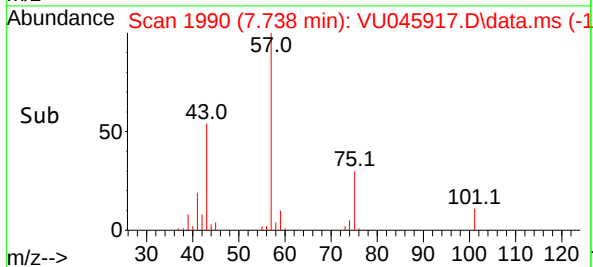
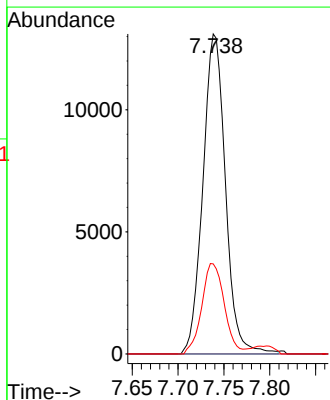
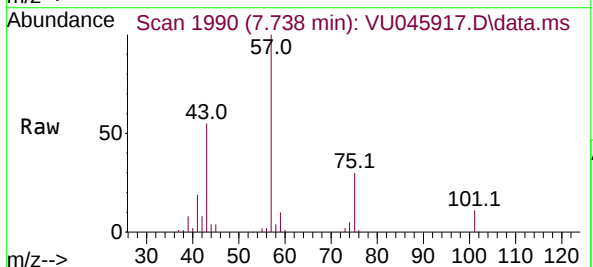
Instrument :
MSVOA_U
ClientSampleId :

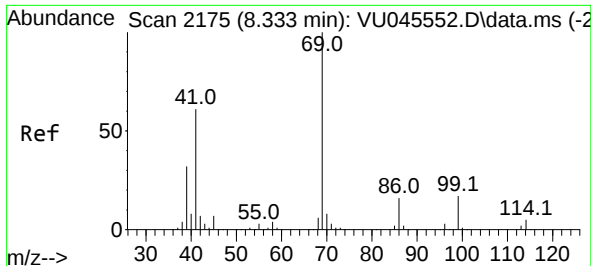
Tgt Ion: 43 Resp: 4373
Ion Ratio Lower Upper
43 100
58 32.3 33.8 50.8#



#54
cis-1,3-Dichloropropene
Concen: 8.255 ug/l
RT: 7.738 min Scan# 1990
Delta R.T. 0.128 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

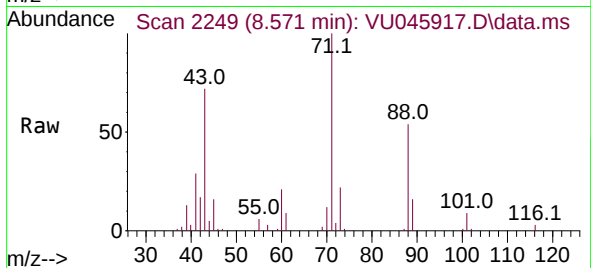
Tgt Ion: 75 Resp: 22403
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 28.2 37.1 55.7#



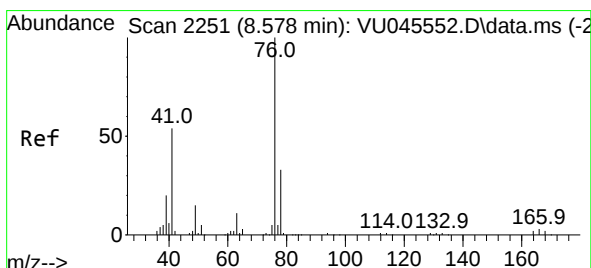
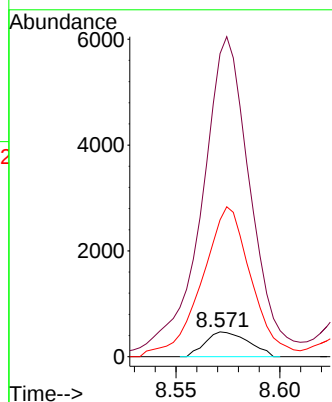
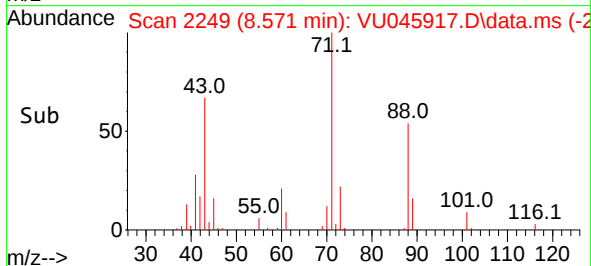


#56
Ethyl methacrylate
Concen: 2.645 ug/l
RT: 8.571 min Scan# 2175
Delta R.T. 0.238 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

Instrument :
MSVOA_U
ClientSampleId :

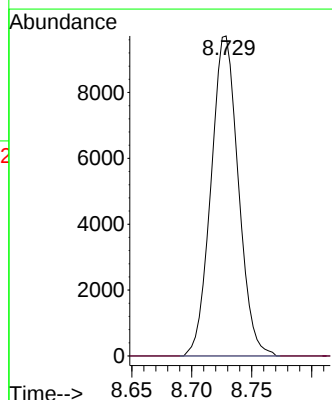
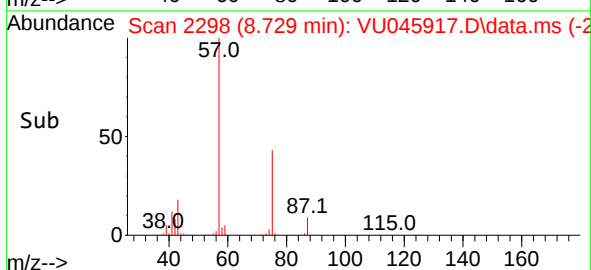
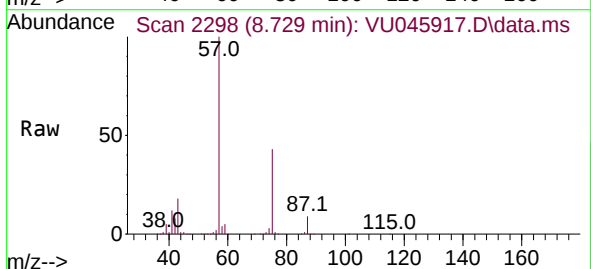


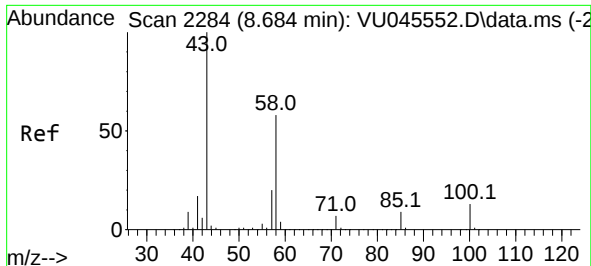
Tgt Ion: 69 Resp: 674
Ion Ratio Lower Upper
69 100
41 1479.8 51.0 76.4#
39 695.8 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 5.271 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

Tgt Ion: 76 Resp: 15396
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 10.662 ug/l

RT: 8.632 min Scan# 21

Delta R.T. -0.052 min

Lab File: VU045917.D

Acq: 22 Nov 2021 16:24

Instrument :

MSVOA_U

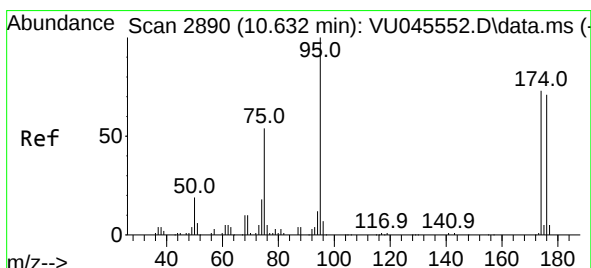
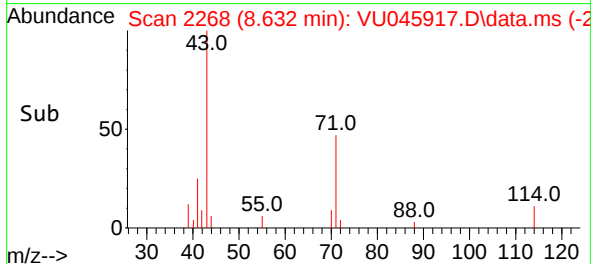
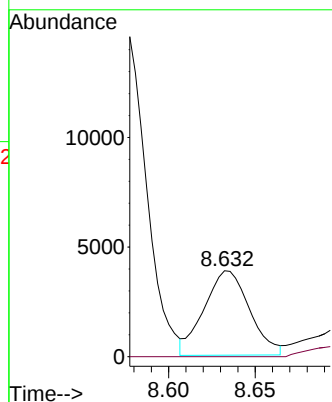
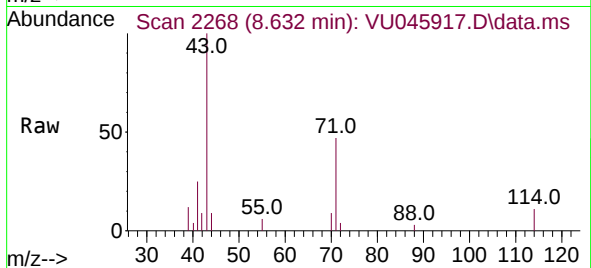
ClientSampleId :

Tgt Ion: 43 Resp: 7020

Ion Ratio Lower Upper

43 100

58 0.0 29.5 88.6#



#62

4-Bromofluorobenzene

Concen: 50.776 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.000 min

Lab File: VU045917.D

Acq: 22 Nov 2021 16:24

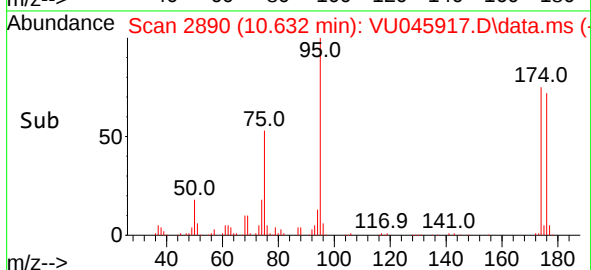
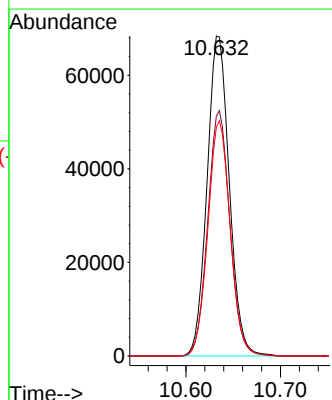
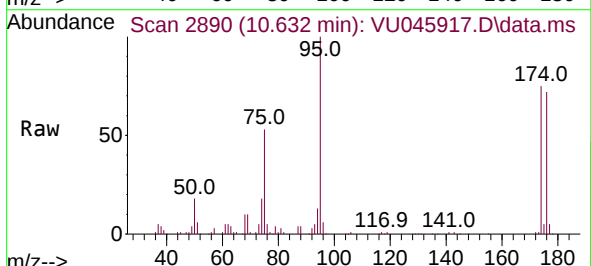
Tgt Ion: 95 Resp: 111906

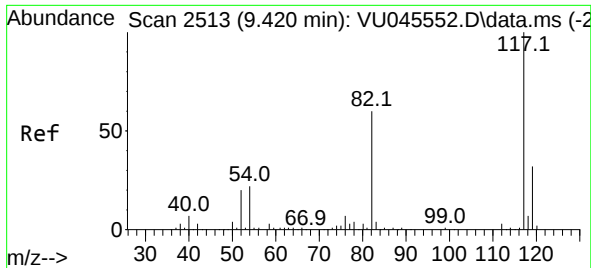
Ion Ratio Lower Upper

95 100

174 76.3 0.0 141.8

176 73.5 0.0 138.2

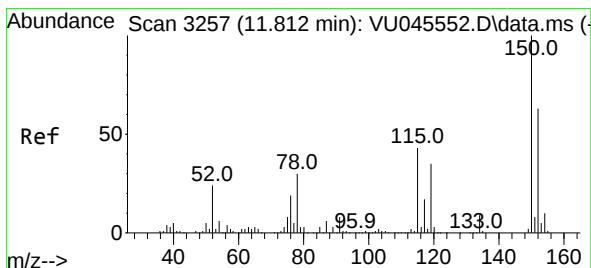
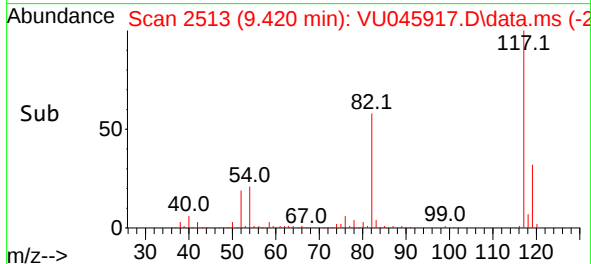
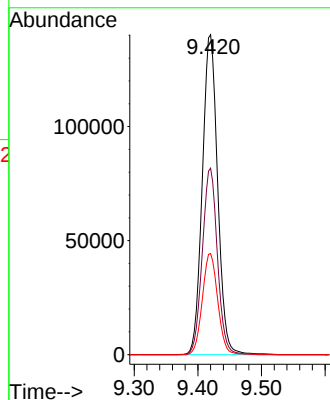
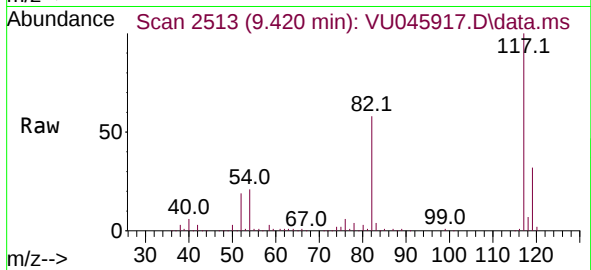




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

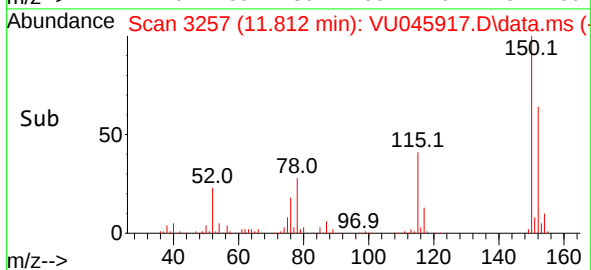
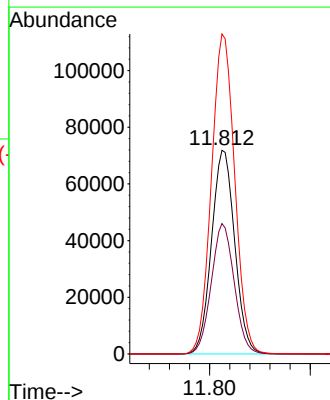
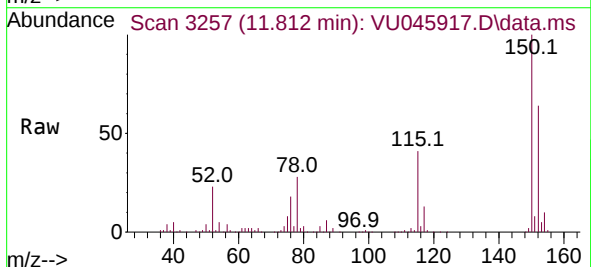
Instrument :
MSVOA_U
ClientSampleId :

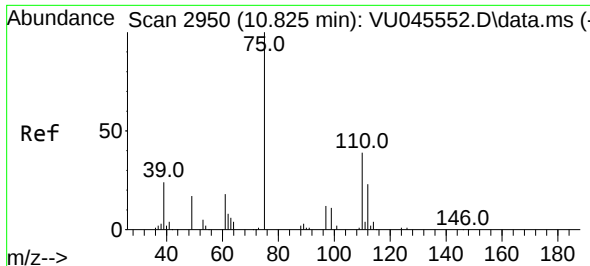
Tgt Ion:117 Resp: 235129
Ion Ratio Lower Upper
117 100
82 58.3 47.8 71.8
119 31.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

Tgt Ion:152 Resp: 115145
Ion Ratio Lower Upper
152 100
115 63.2 42.7 128.1
150 157.6 0.0 346.8

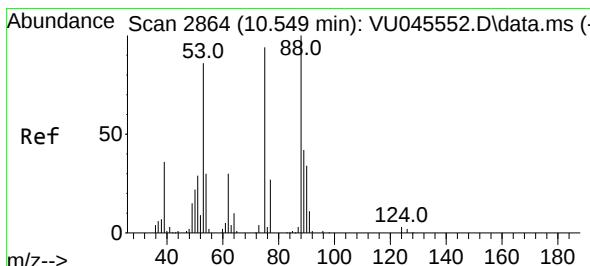
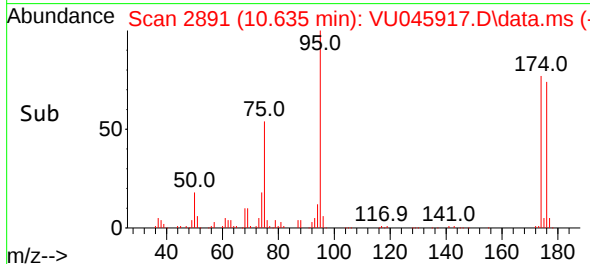
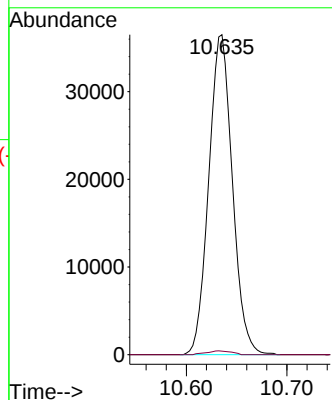
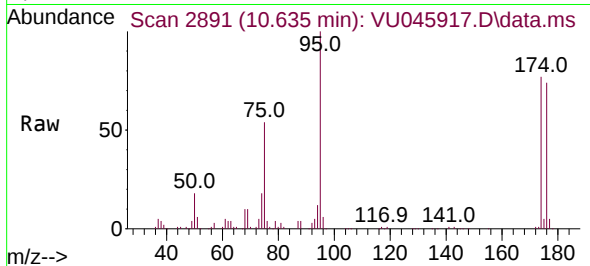




#76
1,2,3-Trichloropropane
Concen: 17.070 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

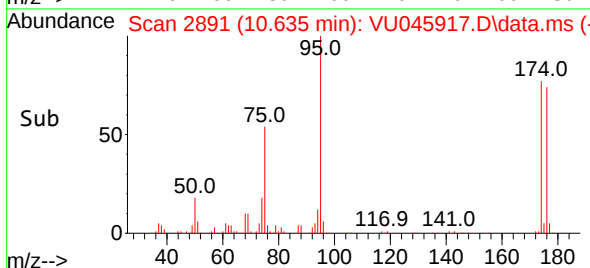
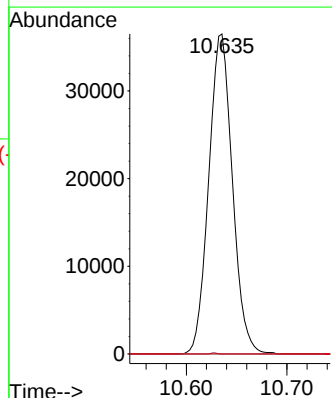
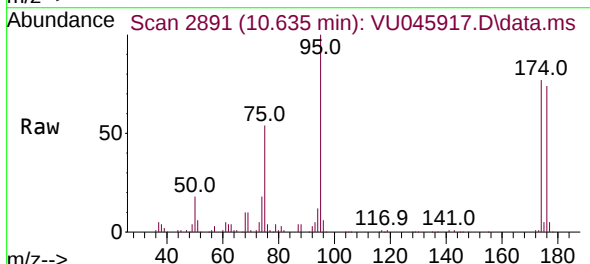
Instrument :
MSVOA_U
ClientSampleId :

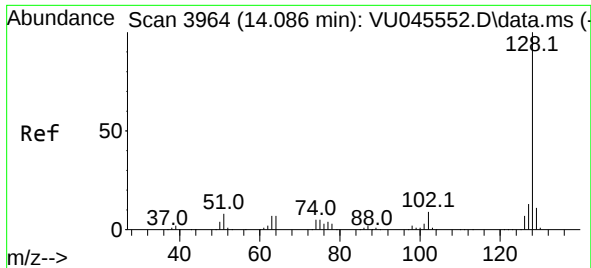
Tgt Ion: 75 Resp: 59605
Ion Ratio Lower Upper
75 100
77 1.2 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.565 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.086 min
Lab File: VU045917.D
Acq: 22 Nov 2021 16:24

Tgt Ion: 75 Resp: 59605
Ion Ratio Lower Upper
75 100
53 0.1 76.2 114.4#
89 0.0 34.0 51.0#





#95

Naphthalene

Concen: 1.062 ug/l

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

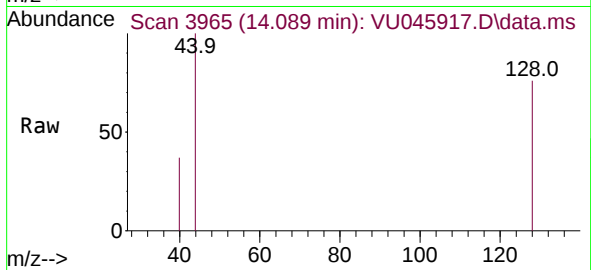
Lab File: VU045917.D

Acq: 22 Nov 2021 16:24

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 318

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

