

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045919.D
 Acq On : 22 Nov 2021 17:09
 Operator : SY/MD
 Sample : PB140933ZHE#04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

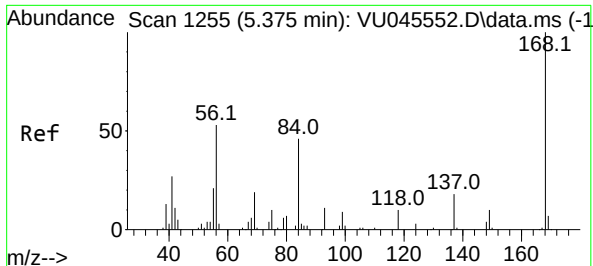
Quant Time: Nov 23 05:16:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	113807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	218382	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	231396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	113876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	91190	53.503	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.000%	
35) Dibromofluoromethane	5.292	113	72419	49.669	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.340%	
50) Toluene-d8	7.899	98	285566	52.672	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.340%	
62) 4-Bromofluorobenzene	10.635	95	109552	50.391	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.780%	
Target Compounds						Qvalue
8) Diethyl Ether	2.382	74	3506	4.073	ug/l	82
11) Tert butyl alcohol	3.182	59	417	1.236	ug/l #	72
16) Acetone	2.655	43	17115	19.726	ug/l	99
18) Methyl Acetate	2.951	43	970	0.328	ug/l #	50
20) Methylene Chloride	3.051	84	6813	4.519	ug/l	99
25) 2-Butanone	4.723	43	4024	3.344	ug/l	97
29) Tetrahydrofuran	5.070	42	518	0.704	ug/l #	59
31) Cyclohexane	5.372	56	2359	0.949	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	10299	4.837	ug/l #	50
37) Ethyl Acetate	4.723	43	4024	1.645	ug/l #	67
38) Carbon Tetrachloride	5.378	117	12519	5.832	ug/l #	17
43) Isopropyl Acetate	5.915	43	13371	3.574	ug/l	97
45) 1,2-Dichloropropane	7.034	63	1076	0.645	ug/l #	43
48) Methyl methacrylate	6.899	41	4526	2.628	ug/l #	13
51) 4-Methyl-2-Pentanone	7.793	43	4054	1.643	ug/l #	86
54) cis-1,3-Dichloropropene	7.739	75	22112	8.260	ug/l #	63
56) Ethyl methacrylate	8.574	69	741	2.670	ug/l #	1
57) 1,3-Dichloropropane	8.726	76	15180	5.269	ug/l #	42
59) 2-Hexanone	8.632	43	7277	10.821	ug/l #	21
76) 1,2,3-Trichloropropane	10.635	75	57528	16.659	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	57528	54.298	ug/l #	12
95) Naphthalene	14.092	128	205	1.051	ug/l #	69

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

Quant Time: Nov 23 05:16:56 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

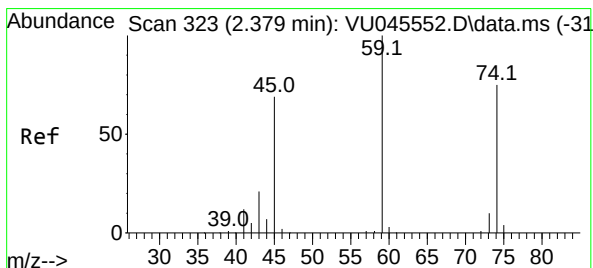
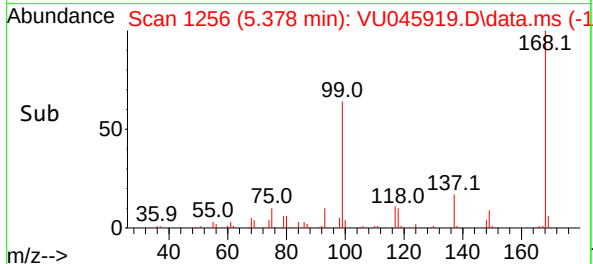
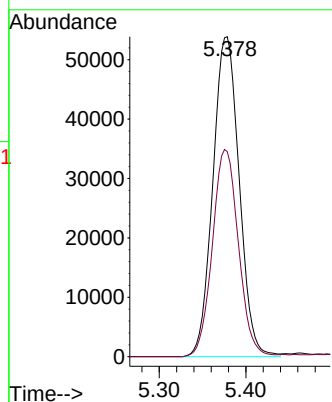
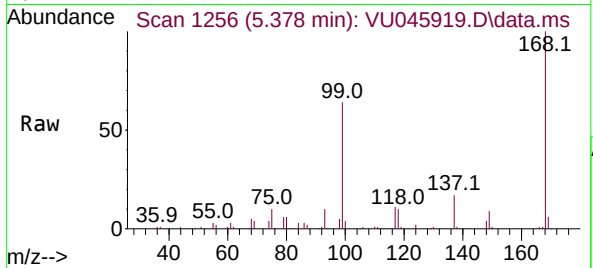




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045919.D
Acq: 22 Nov 2021 17:09

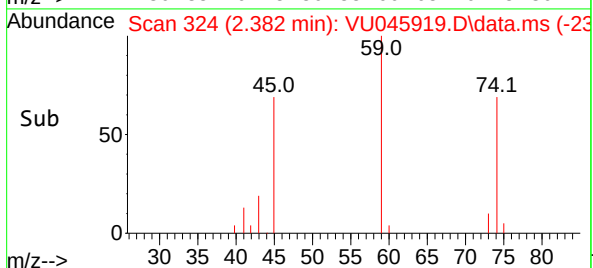
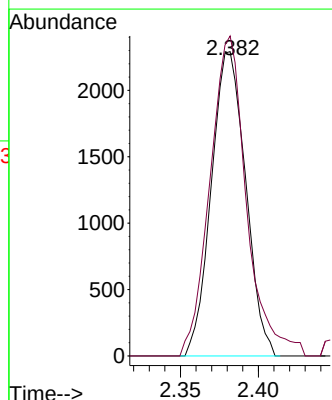
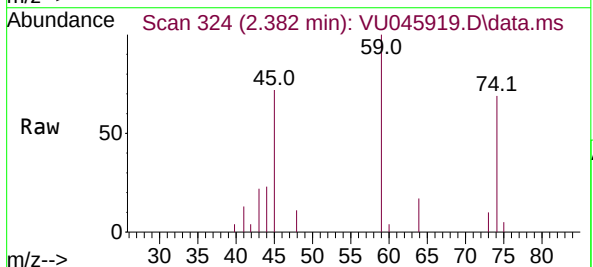
Instrument :
MSVOA_U
ClientSampleId :

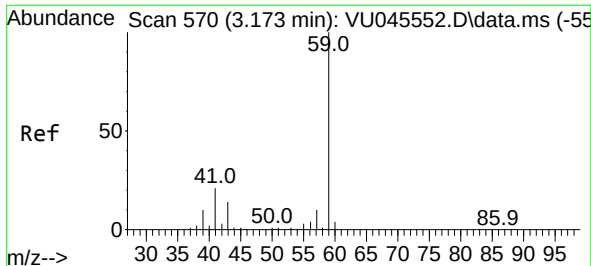
Tgt Ion:168 Resp: 113807
Ion Ratio Lower Upper
168 100
99 64.1 51.0 76.6



#8
Diethyl Ether
Concen: 4.073 ug/l
RT: 2.382 min Scan# 324
Delta R.T. 0.003 min
Lab File: VU045919.D
Acq: 22 Nov 2021 17:09

Tgt Ion: 74 Resp: 3506
Ion Ratio Lower Upper
74 100
45 112.1 47.3 141.8

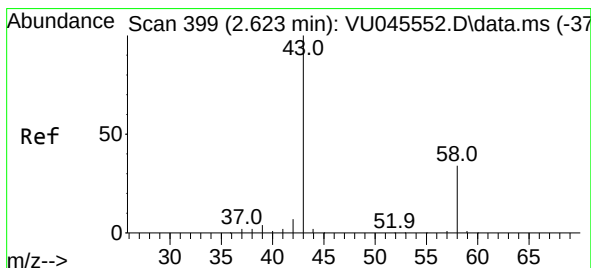
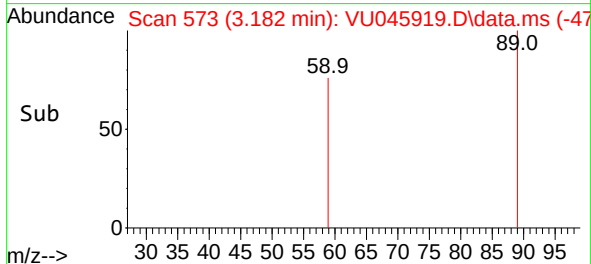
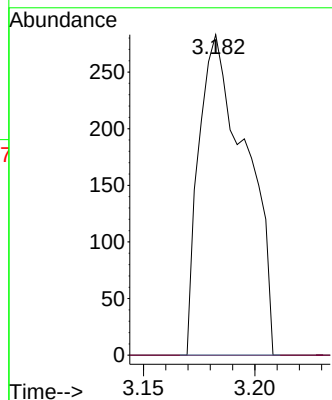
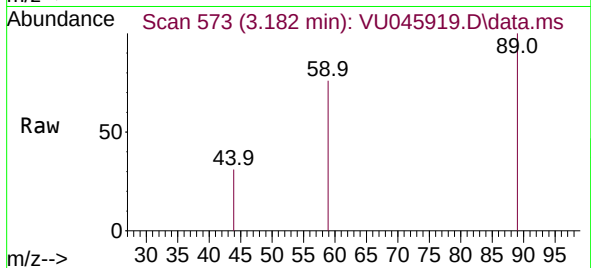




#11
Tert butyl alcohol
Concen: 1.236 ug/l
RT: 3.182 min Scan# 51
Delta R.T. 0.010 min
Lab File: VU045919.D
Acq: 22 Nov 2021 17:09

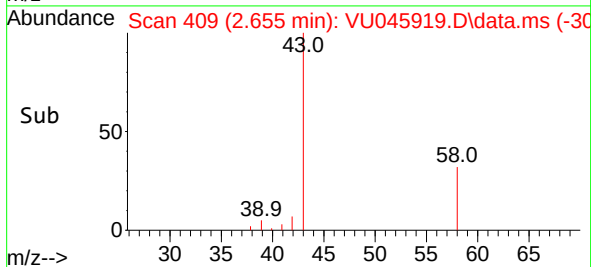
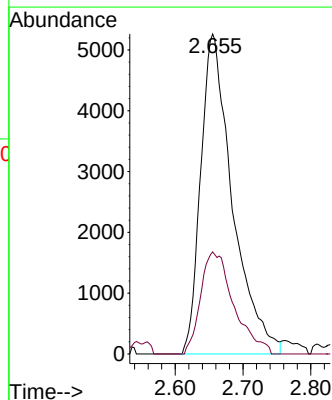
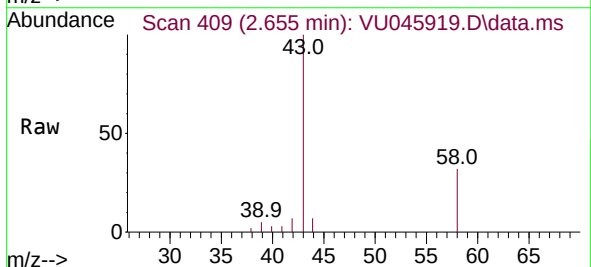
Instrument :
MSVOA_U
ClientSampleId :

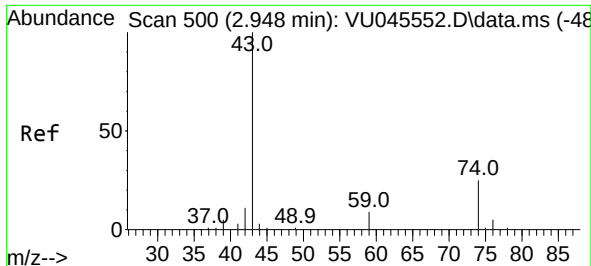
Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 19.726 ug/l
RT: 2.655 min Scan# 409
Delta R.T. 0.032 min
Lab File: VU045919.D
Acq: 22 Nov 2021 17:09

Tgt Ion: 43 Resp: 17115
Ion Ratio Lower Upper
43 100
58 31.9 26.2 39.2

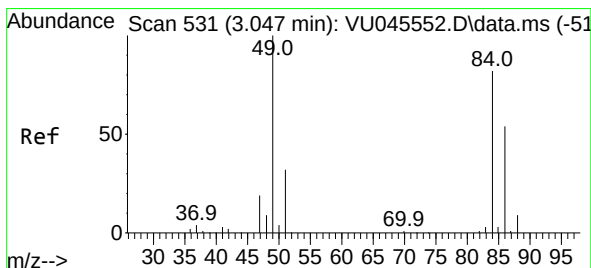
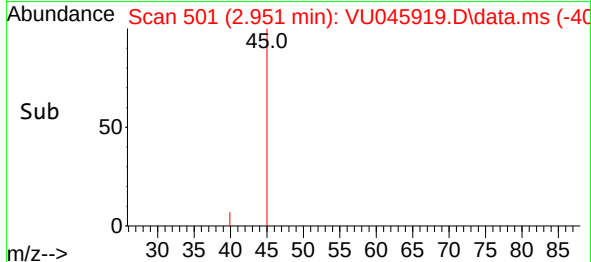
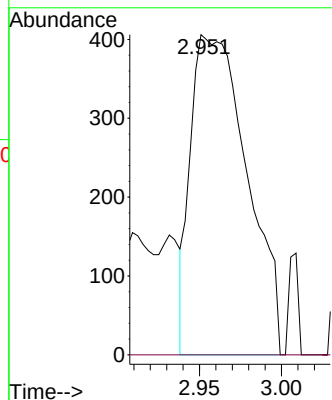
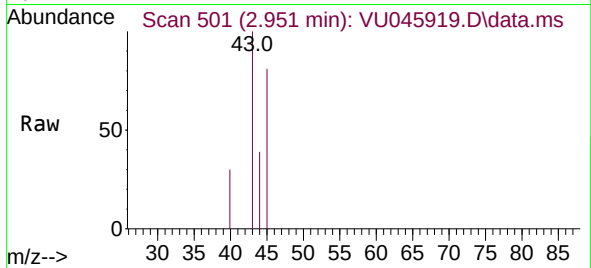




#18
Methyl Acetate
Concen: 0.328 ug/l
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU045919.D
Acq: 22 Nov 2021 17:09

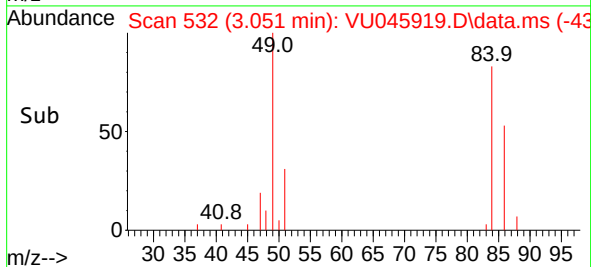
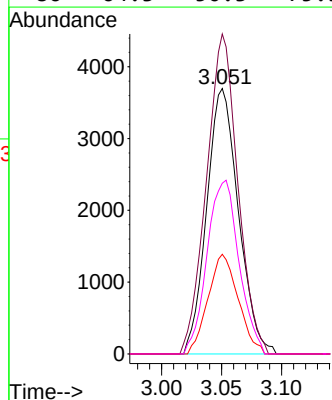
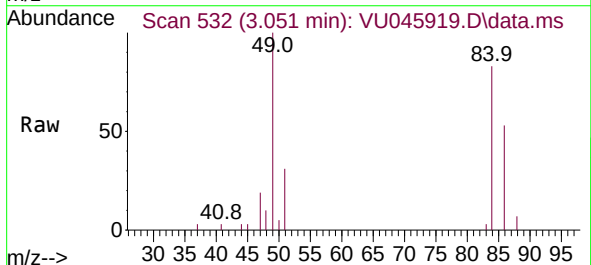
Instrument :
MSVOA_U
ClientSampleId :

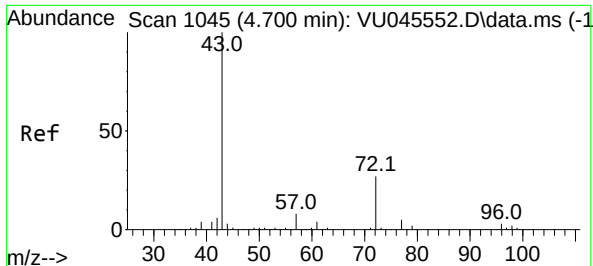
Tgt Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 4.519 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU045919.D
Acq: 22 Nov 2021 17:09

Tgt Ion: 84 Resp: 6813
Ion Ratio Lower Upper
84 100
49 120.6 96.4 144.6
51 37.5 30.5 45.7
86 64.3 50.3 75.5





#25

2-Butanone

Concen: 3.344 ug/l

RT: 4.723 min Scan# 1105

Delta R.T. 0.022 min

Lab File: VU045919.D

Acq: 22 Nov 2021 17:09

Instrument :

MSVOA_U

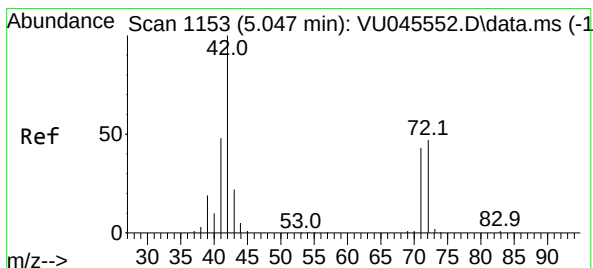
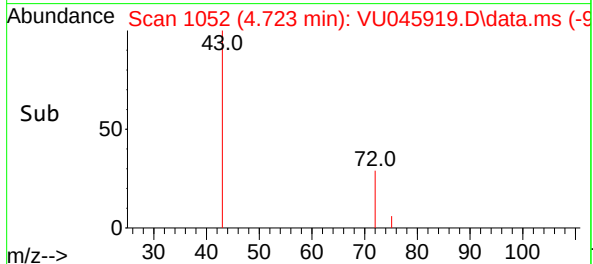
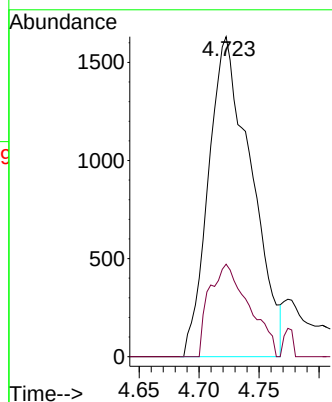
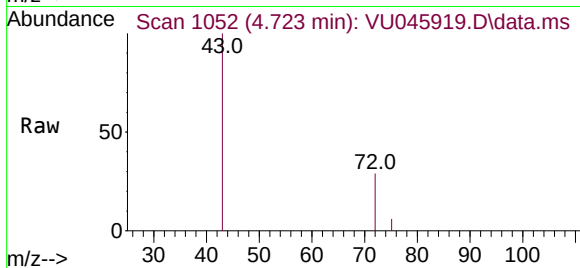
ClientSampleId :

Tgt Ion: 43 Resp: 4024

Ion Ratio Lower Upper

43 100

72 28.9 22.0 33.0



#29

Tetrahydrofuran

Concen: 0.704 ug/l

RT: 5.070 min Scan# 1160

Delta R.T. 0.022 min

Lab File: VU045919.D

Acq: 22 Nov 2021 17:09

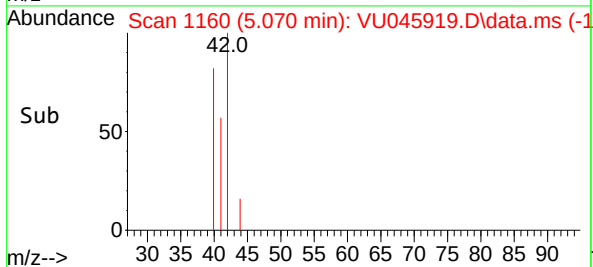
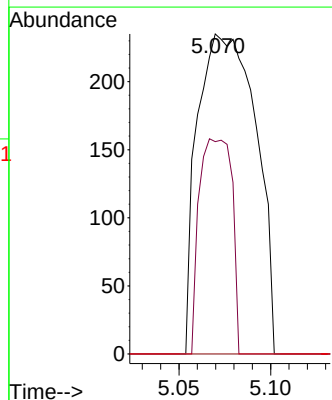
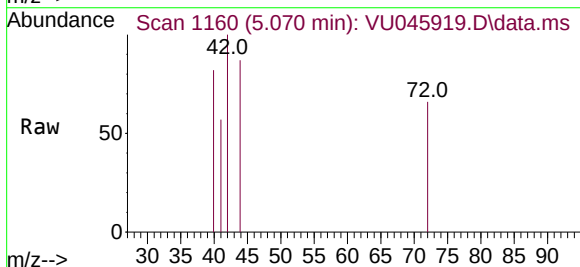
Tgt Ion: 42 Resp: 518

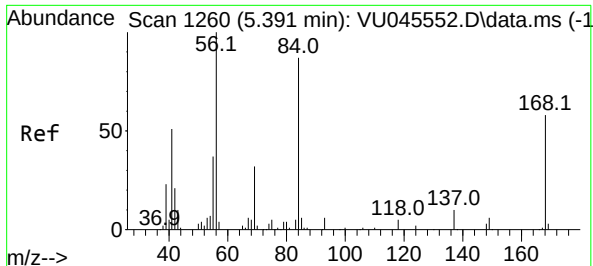
Ion Ratio Lower Upper

42 100

72 37.5 38.2 57.4#

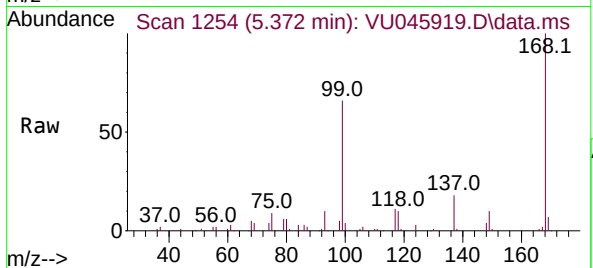
71 0.0 35.4 53.2#



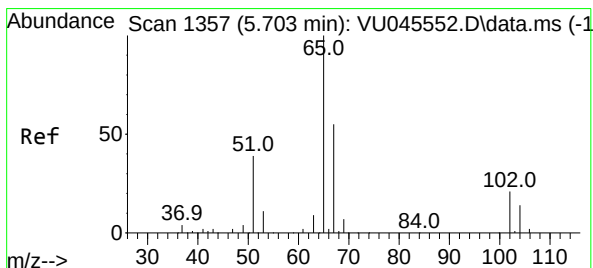
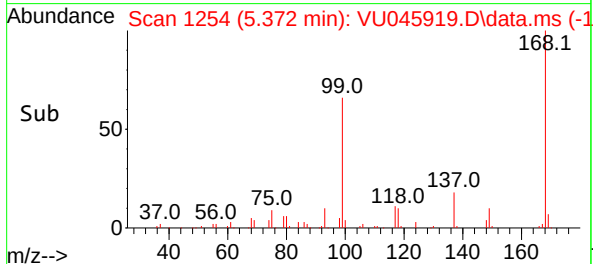
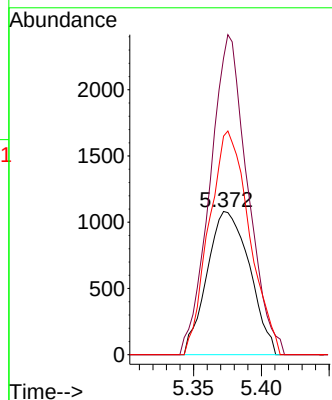


#31
Cyclohexane
Concen: 0.949 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU045919.D
Acq: 22 Nov 2021 17:09

Instrument :
MSVOA_U
ClientSampleId :

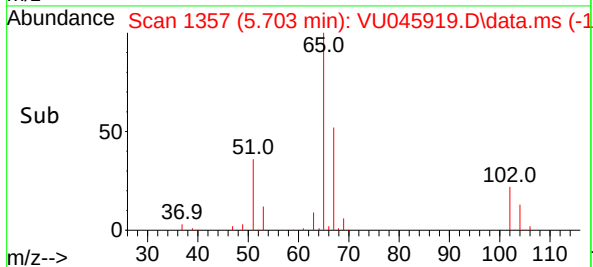
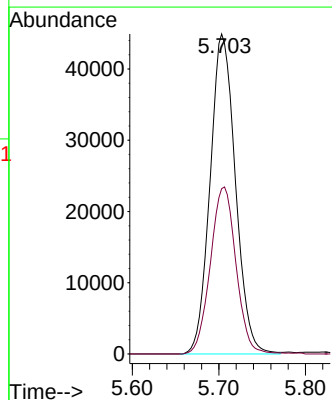
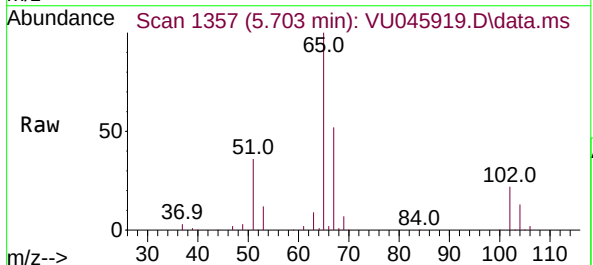


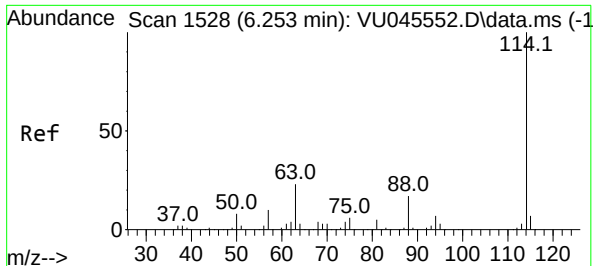
Tgt Ion: 56 Resp: 2359
Ion Ratio Lower Upper
56 100
69 207.0 26.4 39.6#
84 152.5 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 53.503 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.000 min
Lab File: VU045919.D
Acq: 22 Nov 2021 17:09

Tgt Ion: 65 Resp: 91190
Ion Ratio Lower Upper
65 100
67 52.8 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: VU045919.D

Acq: 22 Nov 2021 17:09

Instrument :

MSVOA_U

ClientSampleId :

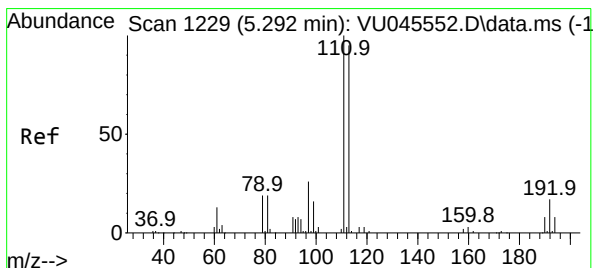
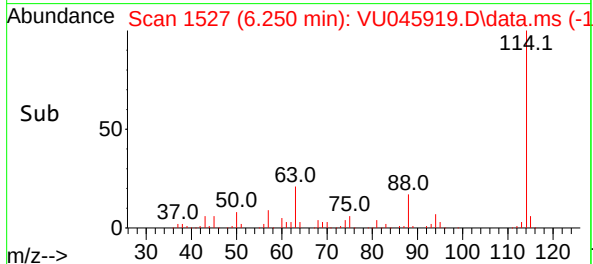
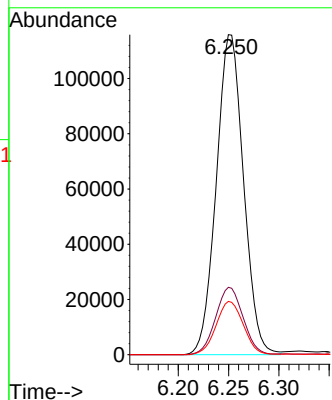
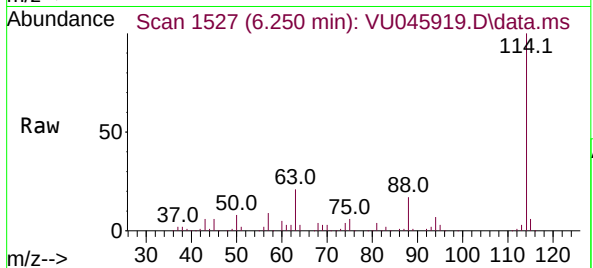
Tgt Ion:114 Resp: 218382

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.6

88 16.6 0.0 33.8



#35

Dibromofluoromethane

Concen: 49.669 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045919.D

Acq: 22 Nov 2021 17:09

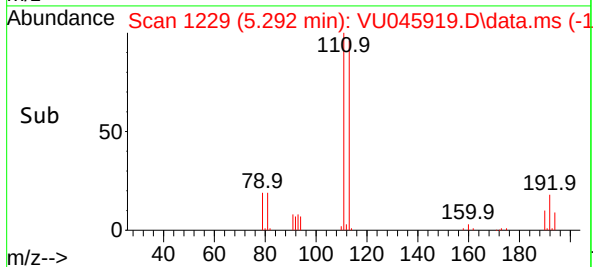
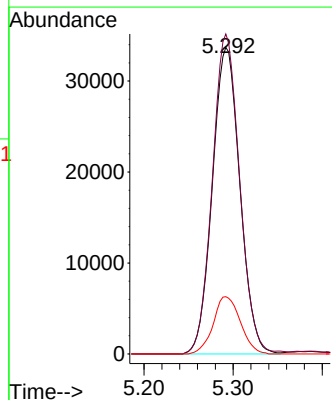
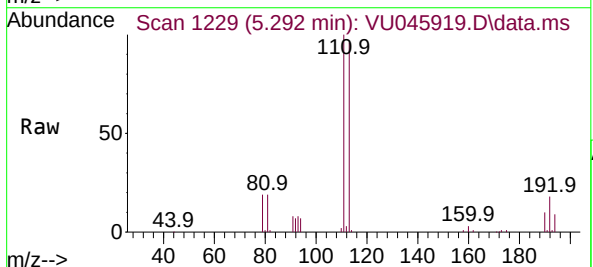
Tgt Ion:113 Resp: 72419

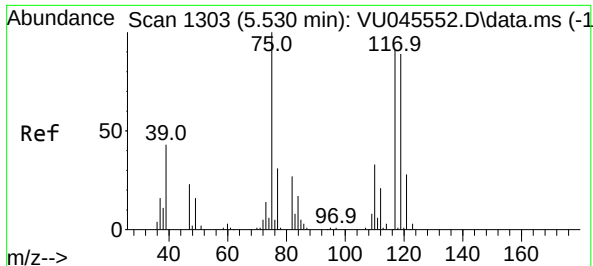
Ion Ratio Lower Upper

113 100

111 103.4 82.8 124.2

192 18.5 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.837 ug/l

RT: 5.378 min Scan# 1052

Delta R.T. -0.151 min

Lab File: VU045919.D

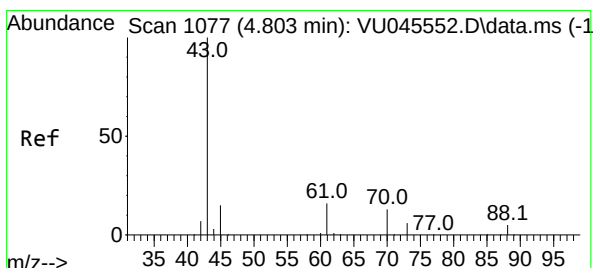
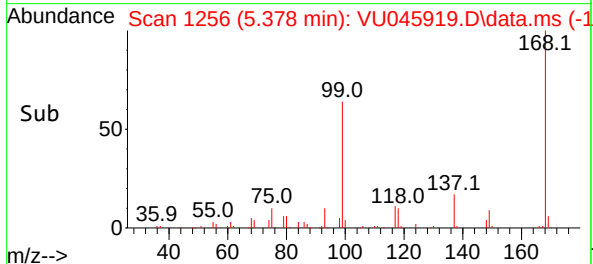
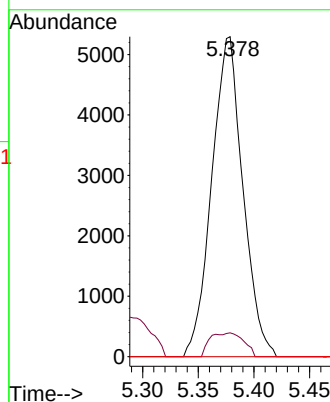
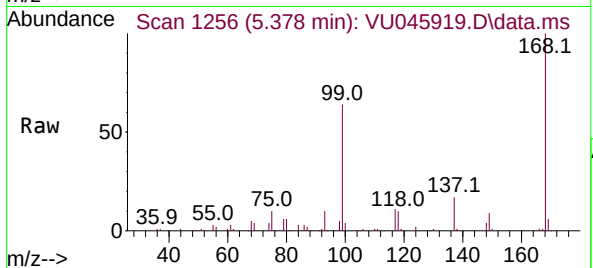
Acq: 22 Nov 2021 17:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	75	Resp:	10299
Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.7	50.0#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 1.645 ug/l

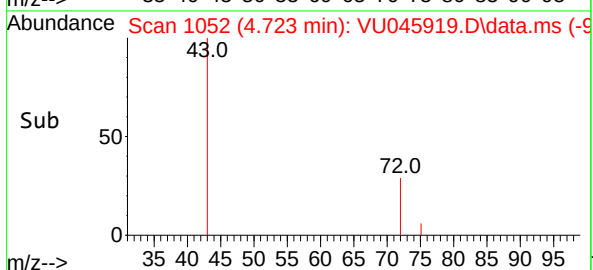
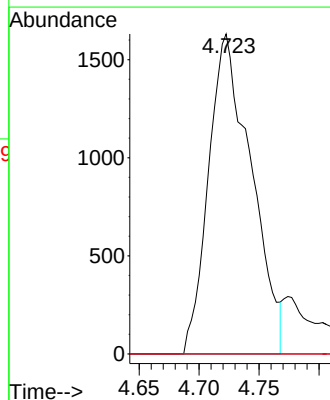
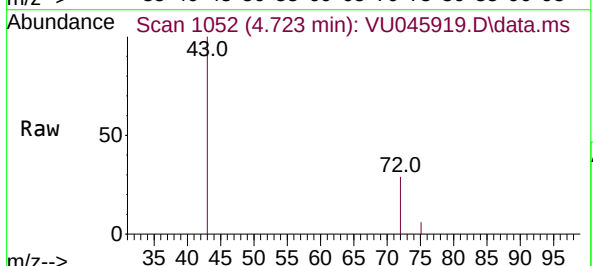
RT: 4.723 min Scan# 1052

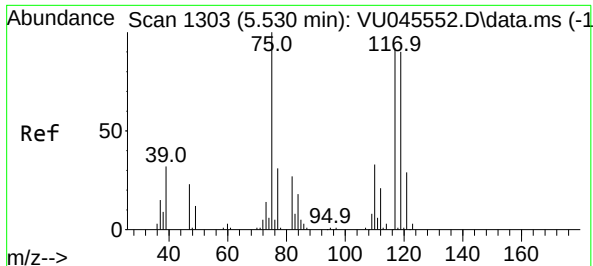
Delta R.T. -0.080 min

Lab File: VU045919.D

Acq: 22 Nov 2021 17:09

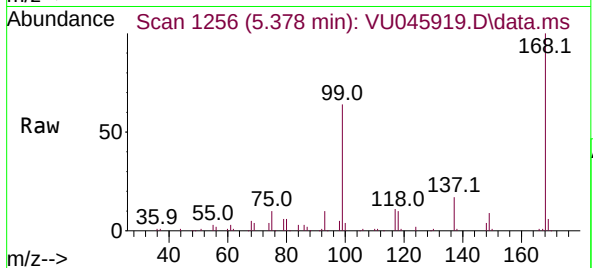
Tgt Ion:	43	Resp:	4024
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	9.1	13.7#



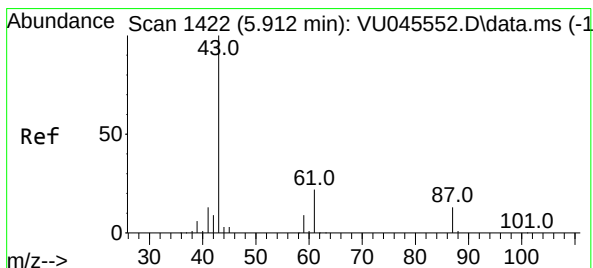
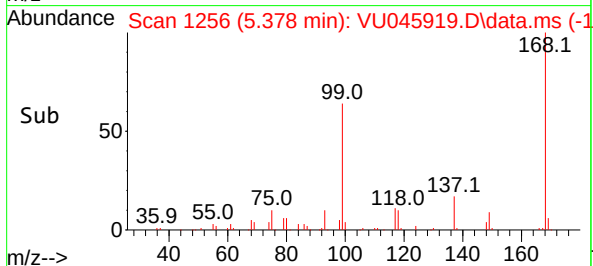
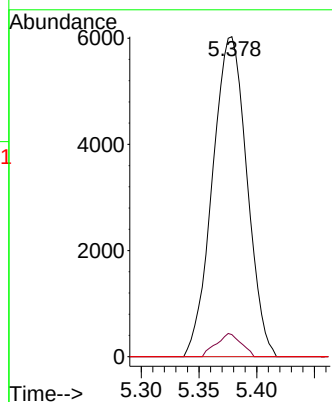


#38
Carbon Tetrachloride
Concen: 5.832 ug/l
RT: 5.378 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU045919.D
Acq: 22 Nov 2021 17:09

Instrument :
MSVOA_U
ClientSampleId :

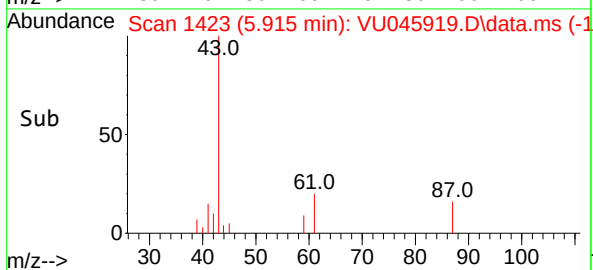
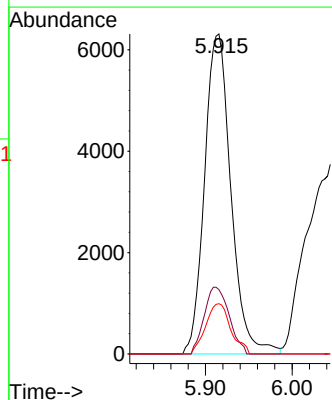
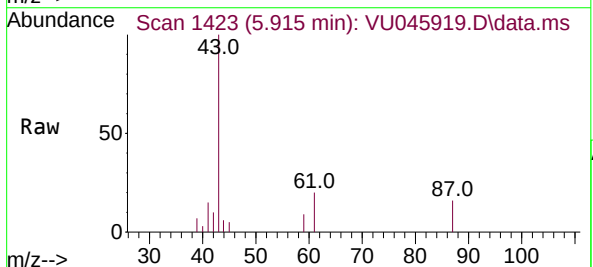


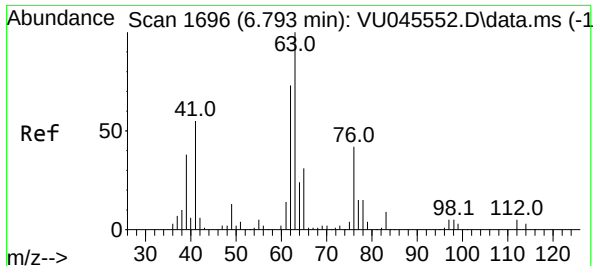
Tgt Ion:117 Resp: 12519
Ion Ratio Lower Upper
117 100
119 6.9 77.4 116.0#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.574 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.003 min
Lab File: VU045919.D
Acq: 22 Nov 2021 17:09

Tgt Ion: 43 Resp: 13371
Ion Ratio Lower Upper
43 100
61 19.7 16.9 25.3
87 14.9 11.0 16.4





#45

1,2-Dichloropropane

Concen: 0.645 ug/l

RT: 7.034 min Scan# 1

Delta R.T. 0.241 min

Lab File: VU045919.D

Acq: 22 Nov 2021 17:09

Instrument :

MSVOA_U

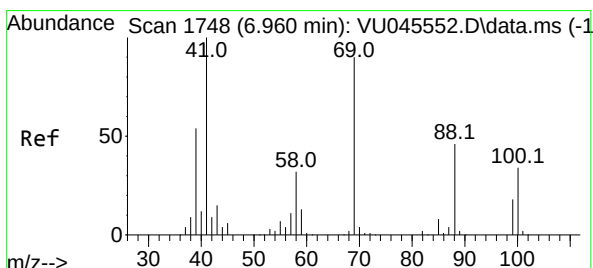
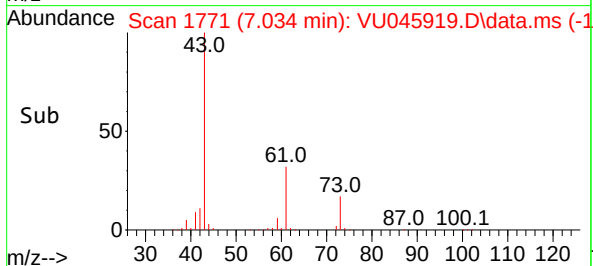
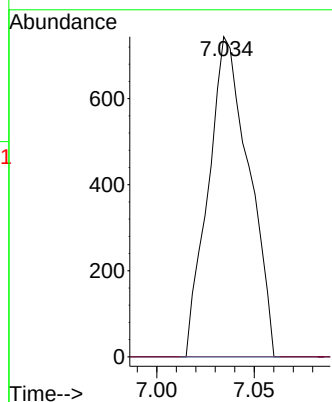
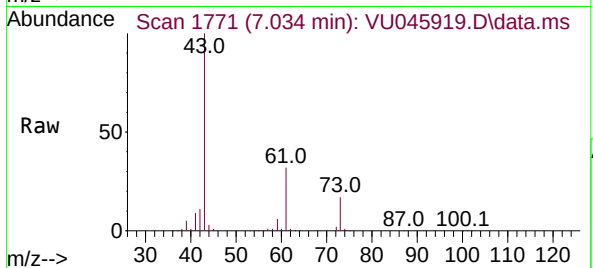
ClientSampleId :

Tgt Ion: 63 Resp: 1076

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 2.628 ug/l

RT: 6.899 min Scan# 1729

Delta R.T. -0.061 min

Lab File: VU045919.D

Acq: 22 Nov 2021 17:09

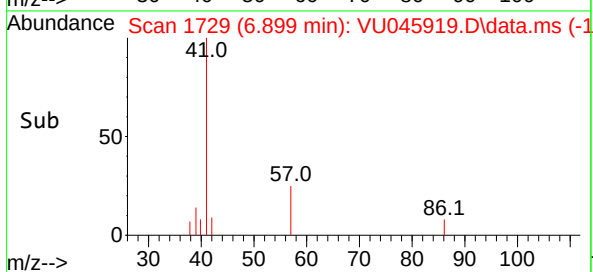
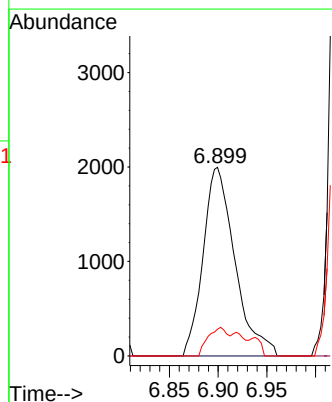
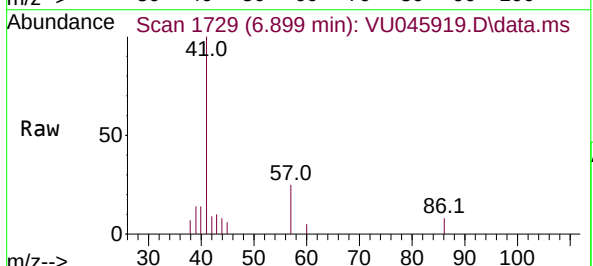
Tgt Ion: 41 Resp: 4526

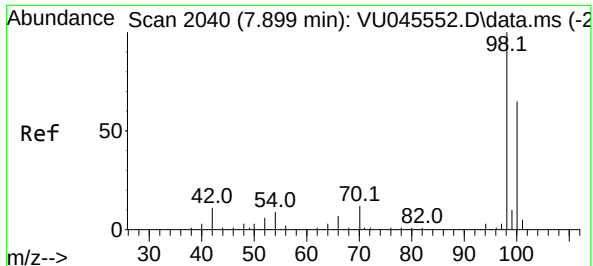
Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#





#50

Toluene-d8

Concen: 52.672 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VU045919.D

Acq: 22 Nov 2021 17:09

Instrument :

MSVOA_U

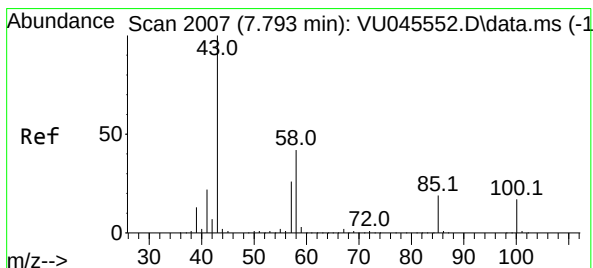
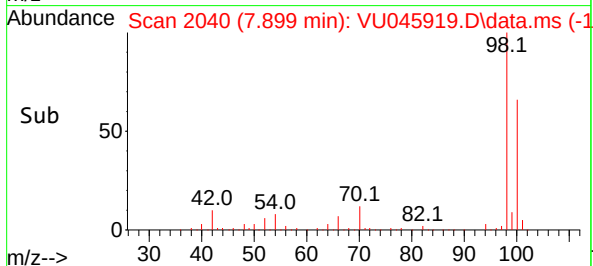
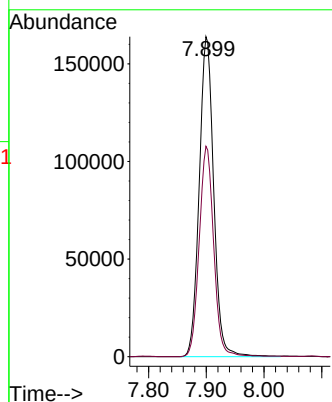
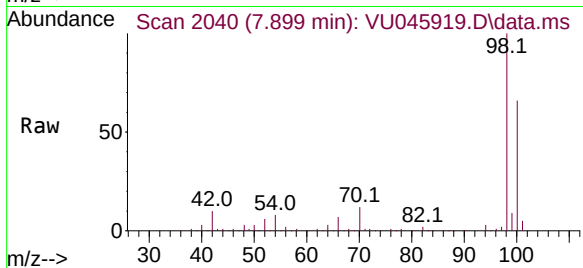
ClientSampleId :

Tgt Ion: 98 Resp: 285566

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 1.643 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU045919.D

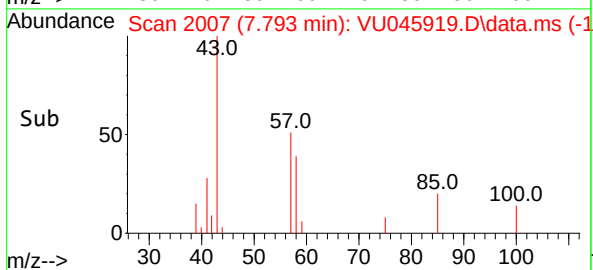
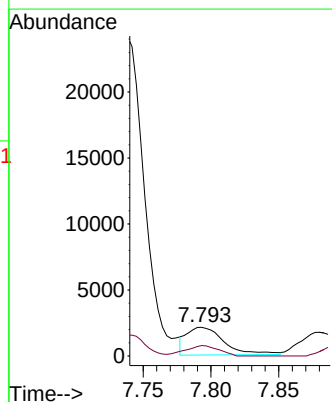
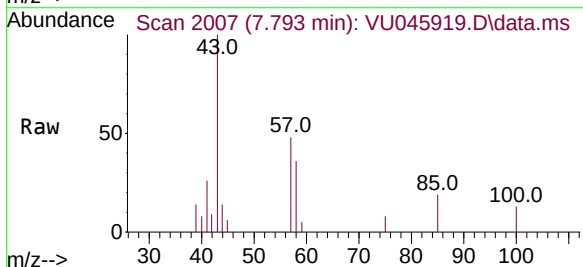
Acq: 22 Nov 2021 17:09

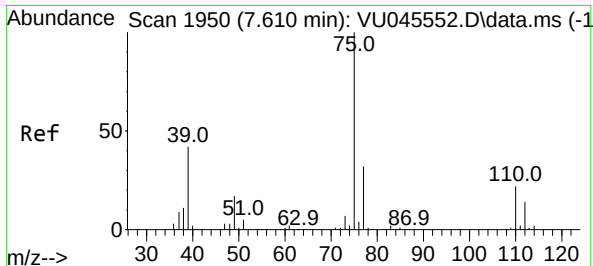
Tgt Ion: 43 Resp: 4054

Ion Ratio Lower Upper

43 100

58 33.1 33.8 50.8#

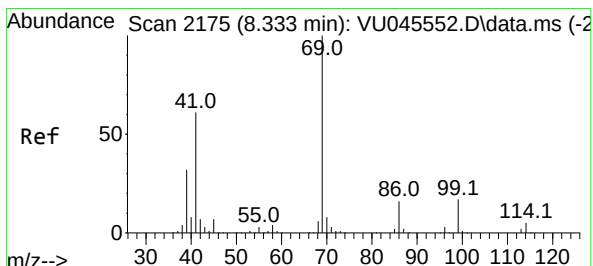
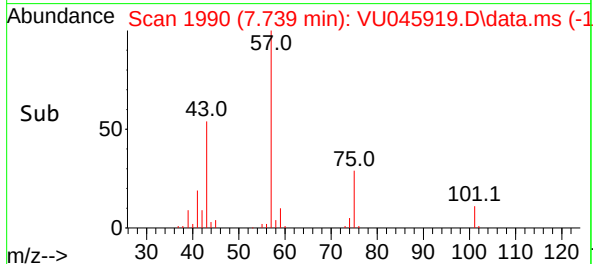
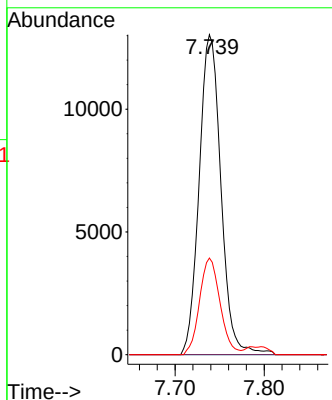
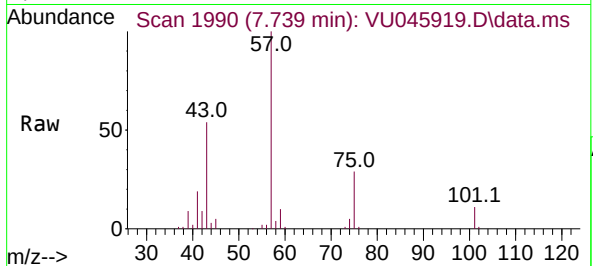




#54
 cis-1,3-Dichloropropene
 Concen: 8.260 ug/l
 RT: 7.739 min Scan# 1950
 Delta R.T. 0.129 min
 Lab File: VU045919.D
 Acq: 22 Nov 2021 17:09

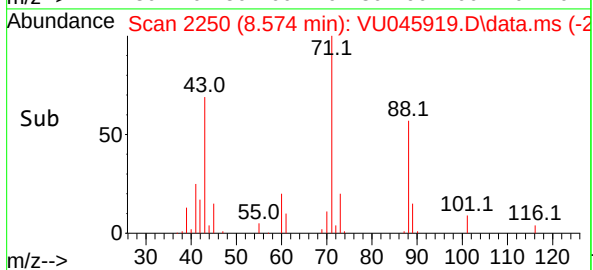
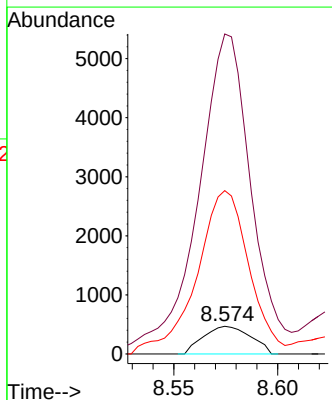
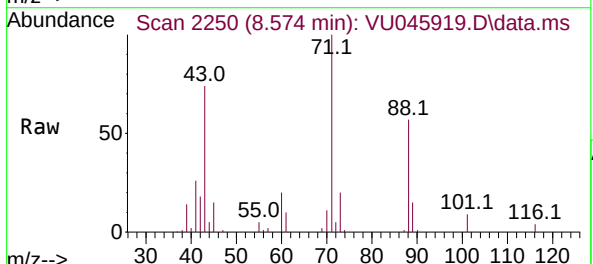
Instrument :
 MSVOA_U
 ClientSampleId :

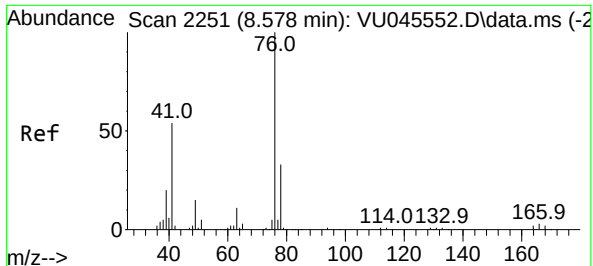
Tgt Ion: 75 Resp: 22112
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 30.2 37.1 55.7#



#56
 Ethyl methacrylate
 Concen: 2.670 ug/l
 RT: 8.574 min Scan# 2250
 Delta R.T. 0.241 min
 Lab File: VU045919.D
 Acq: 22 Nov 2021 17:09

Tgt Ion: 69 Resp: 741
 Ion Ratio Lower Upper
 69 100
 41 1300.9 51.0 76.4#
 39 651.3 26.6 39.8#





#57

1,3-Dichloropropane

Concen: 5.269 ug/l

RT: 8.726 min Scan# 21

Delta R.T. 0.148 min

Lab File: VU045919.D

Acq: 22 Nov 2021 17:09

Instrument :

MSVOA_U

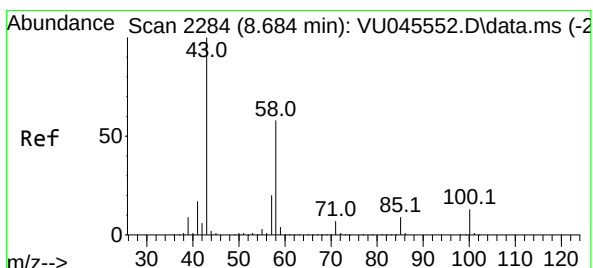
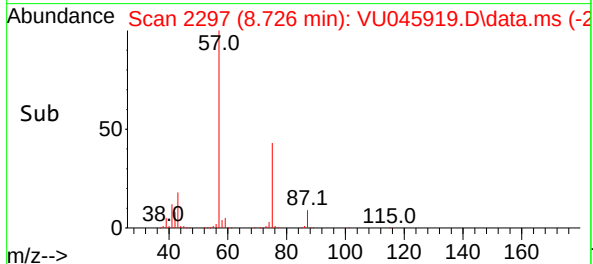
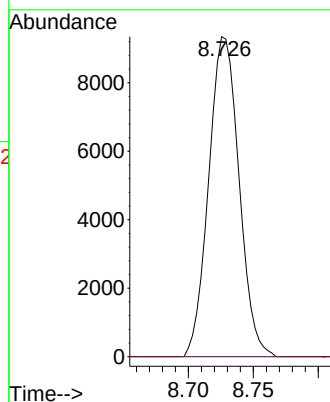
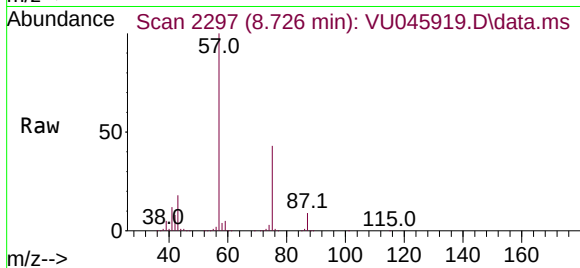
ClientSampleId :

Tgt Ion: 76 Resp: 15180

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 10.821 ug/l

RT: 8.632 min Scan# 2268

Delta R.T. -0.052 min

Lab File: VU045919.D

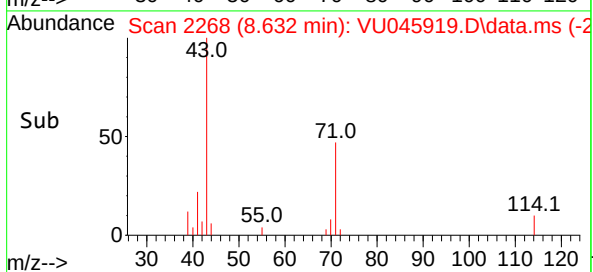
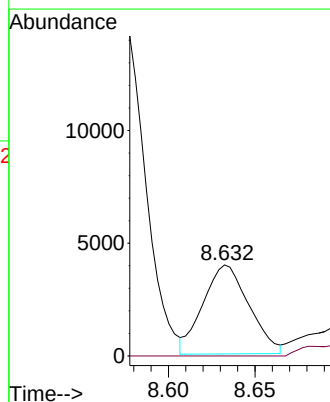
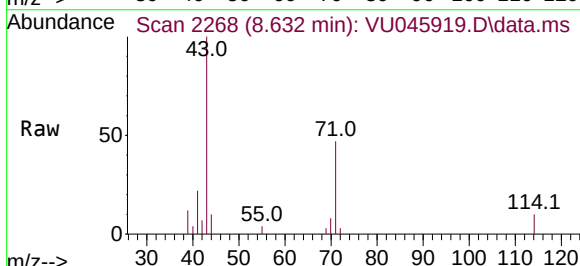
Acq: 22 Nov 2021 17:09

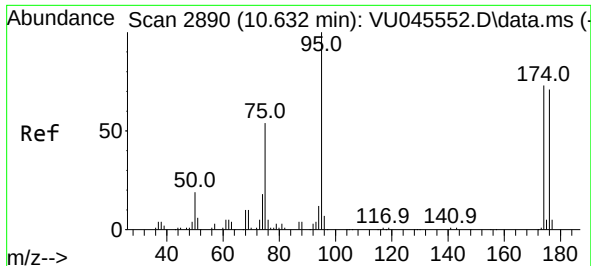
Tgt Ion: 43 Resp: 7277

Ion Ratio Lower Upper

43 100

58 0.0 29.5 88.6#





#62

4-Bromofluorobenzene

Concen: 50.391 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. 0.003 min

Lab File: VU045919.D

Acq: 22 Nov 2021 17:09

Instrument :

MSVOA_U

ClientSampleId :

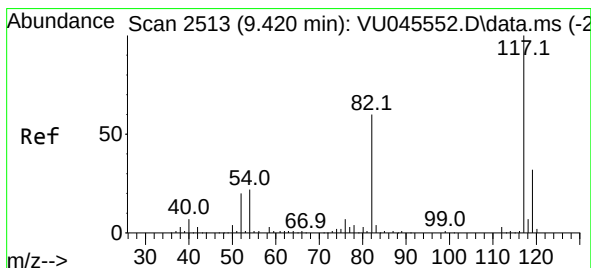
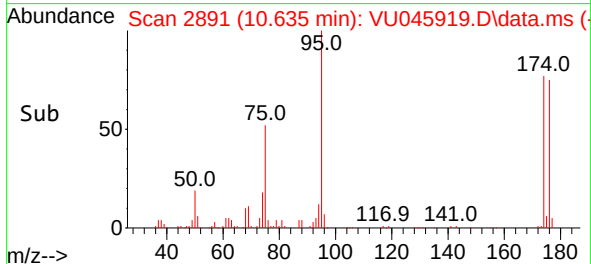
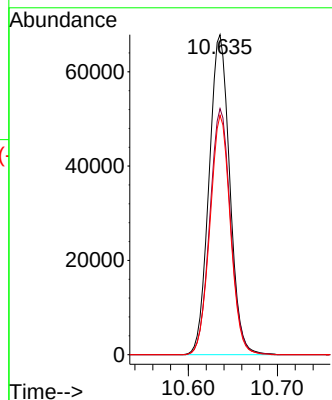
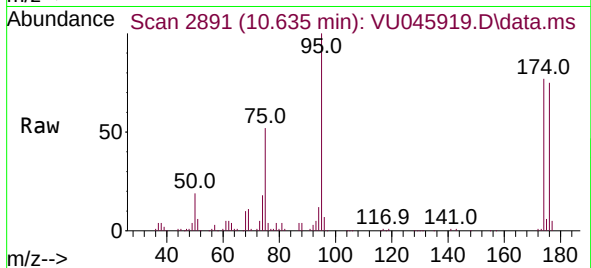
Tgt Ion: 95 Resp: 109552

Ion Ratio Lower Upper

95 100

174 77.2 0.0 141.8

176 73.7 0.0 138.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.420 min Scan# 2513

Delta R.T. 0.000 min

Lab File: VU045919.D

Acq: 22 Nov 2021 17:09

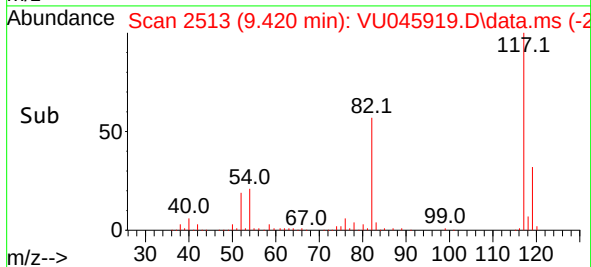
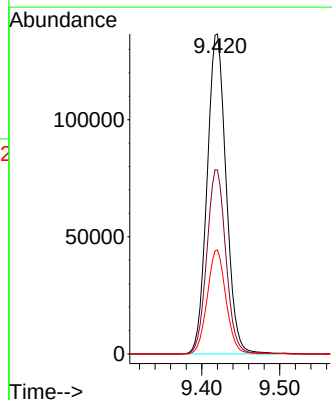
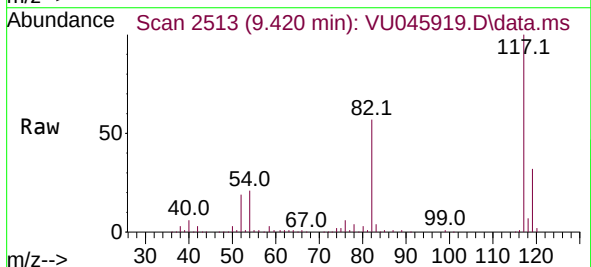
Tgt Ion: 117 Resp: 231396

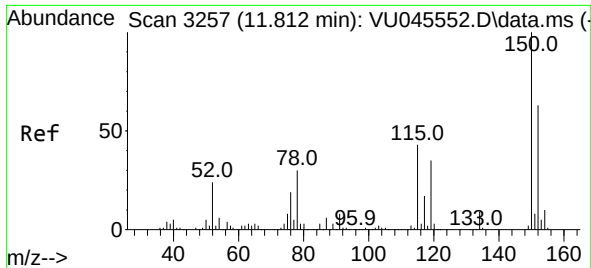
Ion Ratio Lower Upper

117 100

82 57.5 47.8 71.8

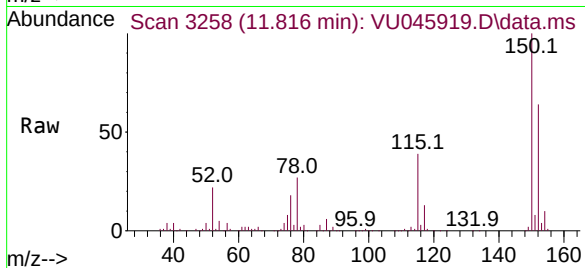
119 32.5 25.8 38.8



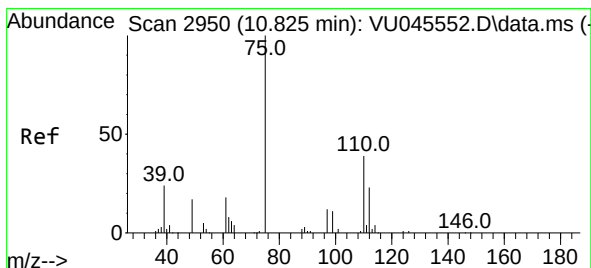
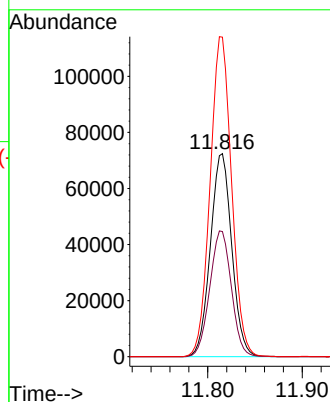
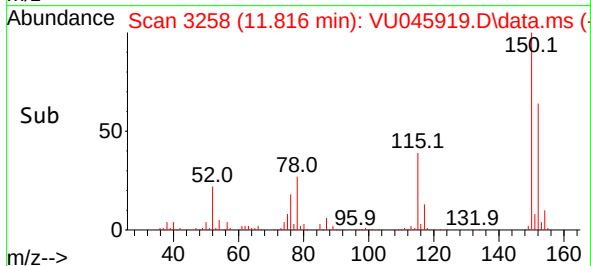


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU045919.D
 Acq: 22 Nov 2021 17:09

Instrument :
 MSVOA_U
 ClientSampleId :

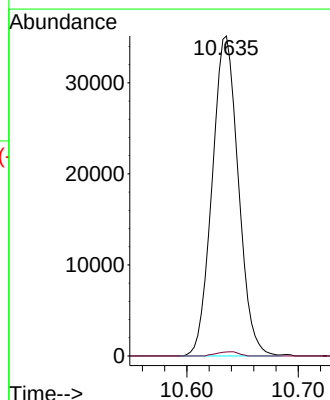
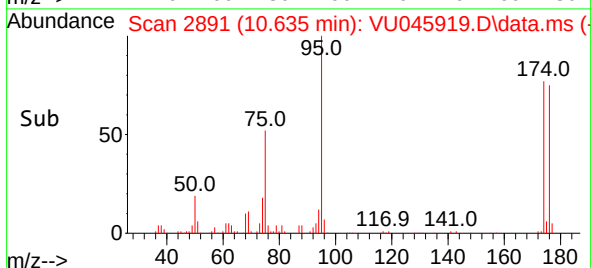
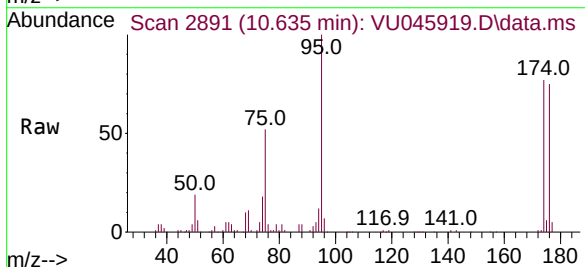


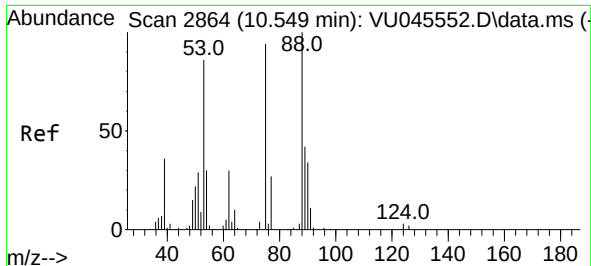
Tgt Ion:152 Resp: 113876
 Ion Ratio Lower Upper
 152 100
 115 62.4 42.7 128.1
 150 158.0 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 16.659 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.190 min
 Lab File: VU045919.D
 Acq: 22 Nov 2021 17:09

Tgt Ion: 75 Resp: 57528
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.1 51.3#

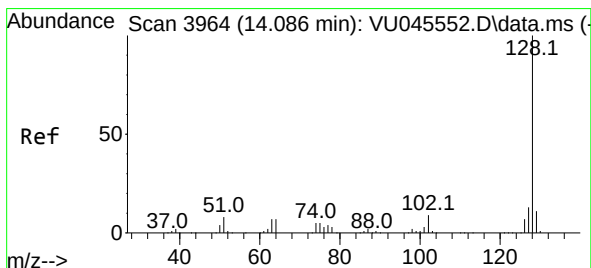
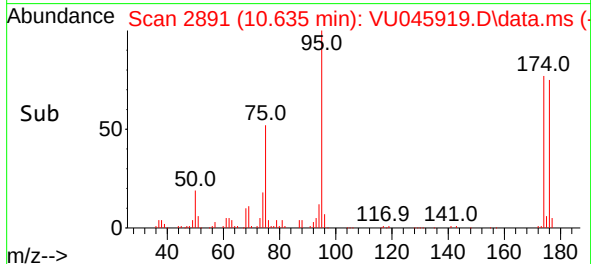
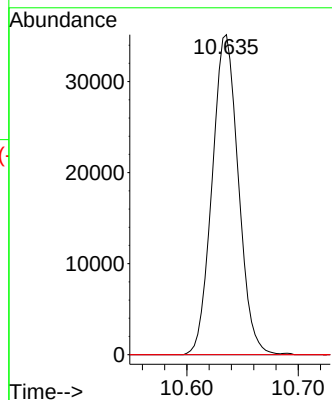
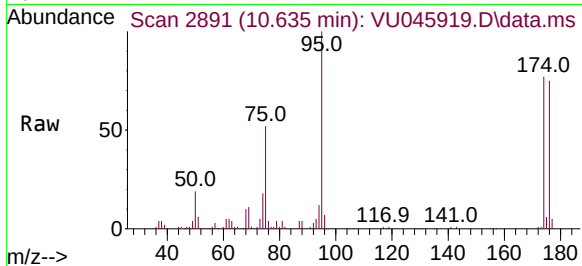




#81
trans-1,4-Dichloro-2-butene
Concen: 54.298 ug/l
RT: 10.635 min Scan# 21
Delta R.T. 0.086 min
Lab File: VU045919.D
Acq: 22 Nov 2021 17:09

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 57528
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.051 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU045919.D
Acq: 22 Nov 2021 17:09

Tgt Ion: 128 Resp: 205
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

