

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045927.D
 Acq On : 22 Nov 2021 20:09
 Operator : SY/MD
 Sample : M4770-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

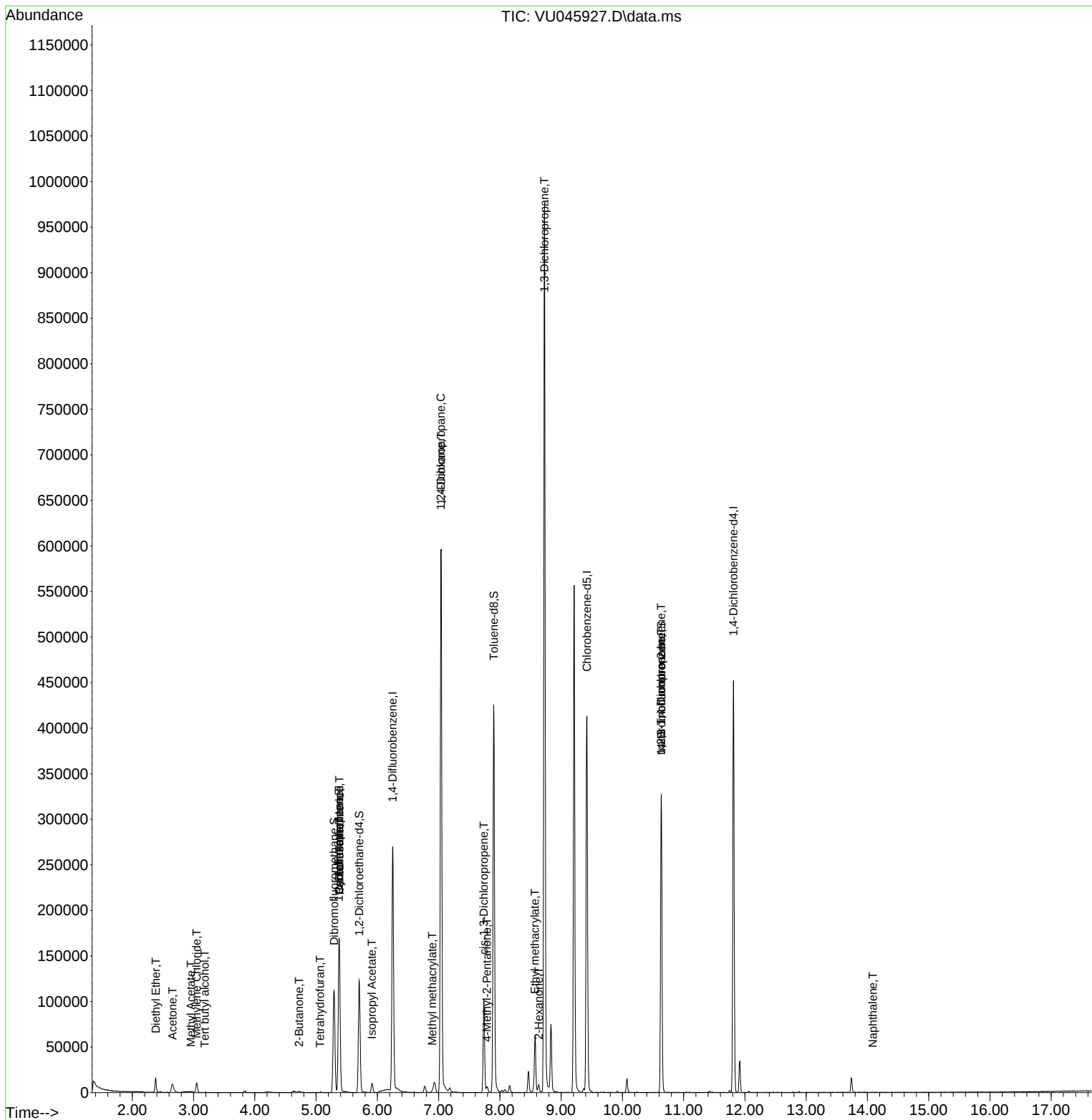
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 05:19:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.379	168	115474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	212017	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	231266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	114810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	90554	52.363	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.720%	
35) Dibromofluoromethane	5.292	113	72577	51.272	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.540%	
50) Toluene-d8	7.899	98	287842	54.685	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.380%	
62) 4-Bromofluorobenzene	10.636	95	110864	52.525	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.060%	
Target Compounds						Qvalue
8) Diethyl Ether	2.382	74	5667	6.488	ug/l	97
11) Tert butyl alcohol	3.183	59	208	0.608	ug/l #	72
16) Acetone	2.655	43	16971	19.278	ug/l	98
18) Methyl Acetate	2.957	43	743	0.248	ug/l #	62
20) Methylene Chloride	3.051	84	4965	3.246	ug/l	94
25) 2-Butanone	4.723	43	2835	2.322	ug/l	99
29) Tetrahydrofuran	5.063	42	206	0.276	ug/l #	73
31) Cyclohexane	5.375	56	2502	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	9759	4.721	ug/l #	51
38) Carbon Tetrachloride	5.379	117	12423	5.961	ug/l #	16
43) Isopropyl Acetate	5.912	43	11074	3.049	ug/l	98
45) 1,2-Dichloropropane	7.038	63	804	0.496	ug/l #	43
48) Methyl methacrylate	6.896	41	3881	2.321	ug/l #	13
49) 1,4-Dioxane	7.041	88	21	0.488	ug/l #	1
51) 4-Methyl-2-Pentanone	7.787	43	4569	1.907	ug/l	87
54) cis-1,3-Dichloropropene	7.739	75	19082	7.342	ug/l #	63
56) Ethyl methacrylate	8.571	69	634	2.641	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	10146	3.627	ug/l #	42
59) 2-Hexanone	8.632	43	6308	10.469	ug/l #	21
76) 1,2,3-Trichloropropane	10.632	75	58478	16.796	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.632	75	58478	54.721	ug/l #	12
95) Naphthalene	14.089	128	72	1.036	ug/l #	69

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

Quant Time: Nov 23 05:19:36 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

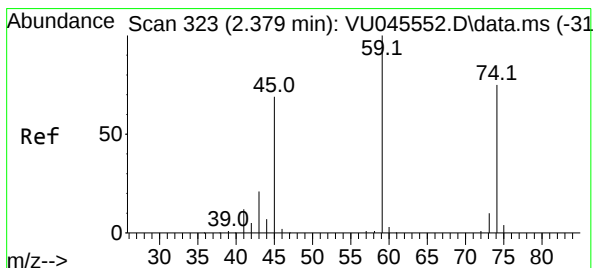
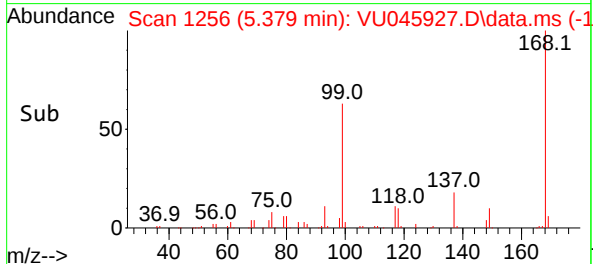
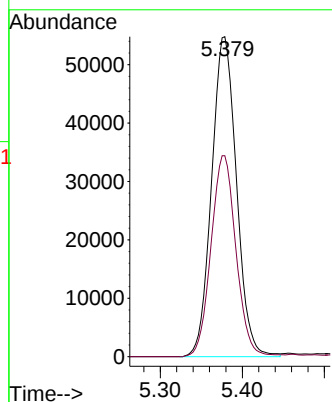
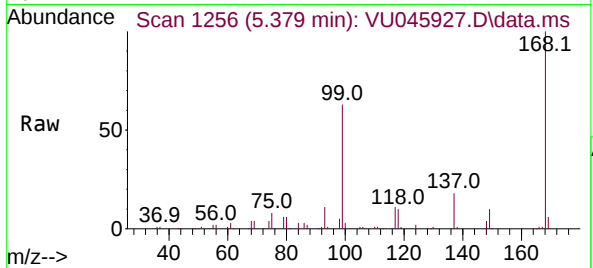




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

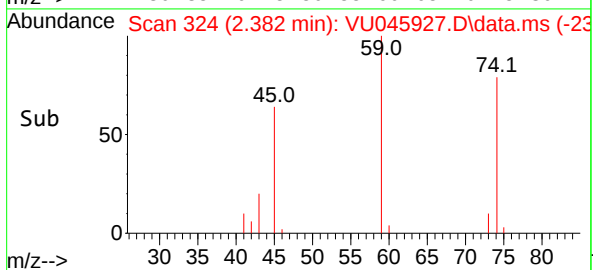
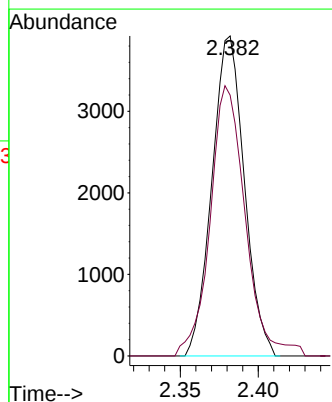
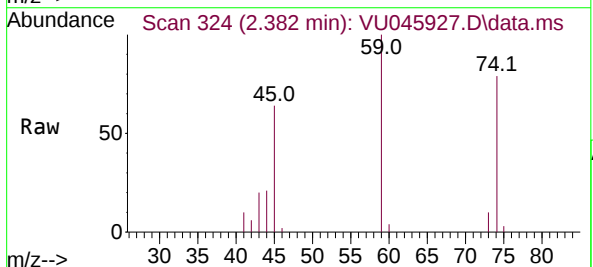
Instrument :
MSVOA_U
ClientSampleId :

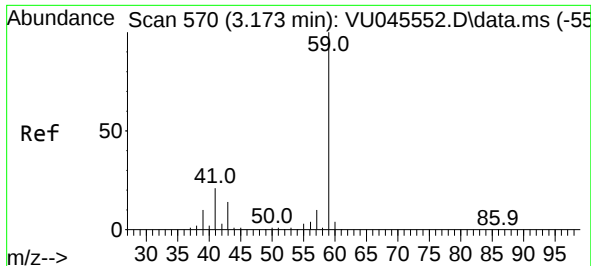
Tgt Ion:168 Resp: 115474
Ion Ratio Lower Upper
168 100
99 62.8 51.0 76.6



#8
Diethyl Ether
Concen: 6.488 ug/l
RT: 2.382 min Scan# 324
Delta R.T. 0.003 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

Tgt Ion: 74 Resp: 5667
Ion Ratio Lower Upper
74 100
45 91.3 47.3 141.8

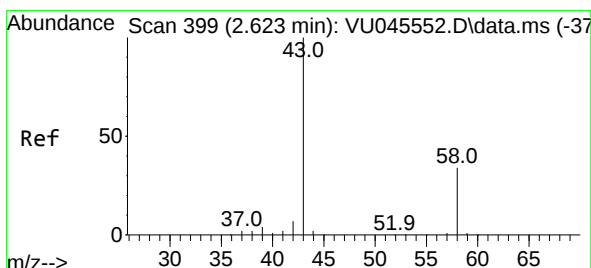
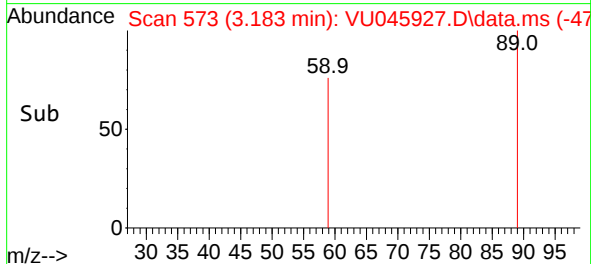
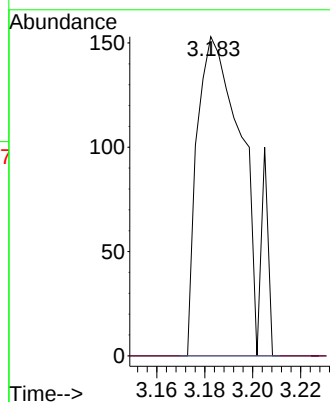
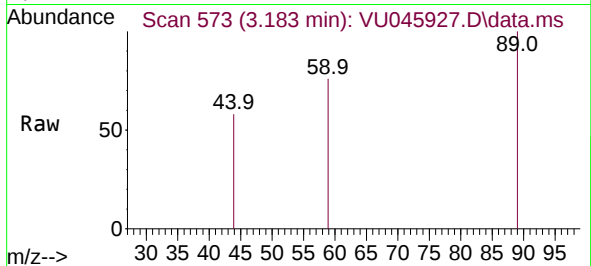




#11
Tert butyl alcohol
Concen: 0.608 ug/l
RT: 3.183 min Scan# 51
Delta R.T. 0.010 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

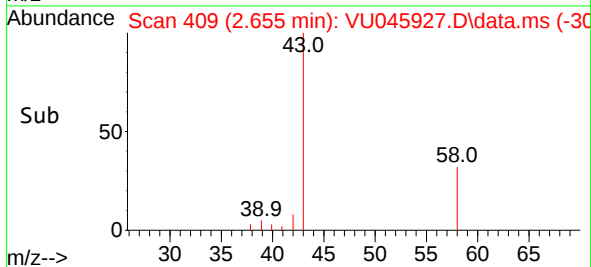
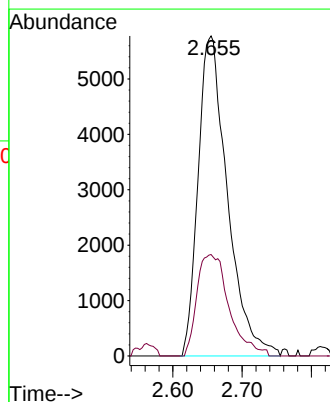
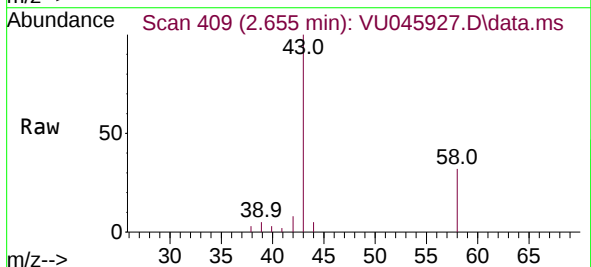
Instrument :
MSVOA_U
ClientSampleId :

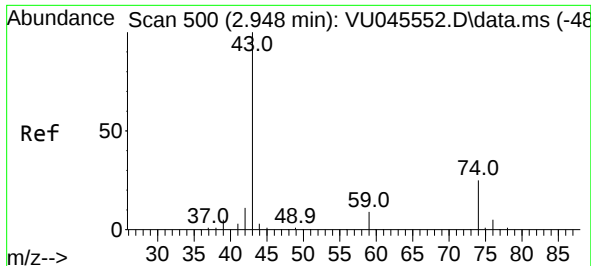
Tgt Ion: 59 Resp: 208
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 19.278 ug/l
RT: 2.655 min Scan# 409
Delta R.T. 0.032 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

Tgt Ion: 43 Resp: 16971
Ion Ratio Lower Upper
43 100
58 31.7 26.2 39.2

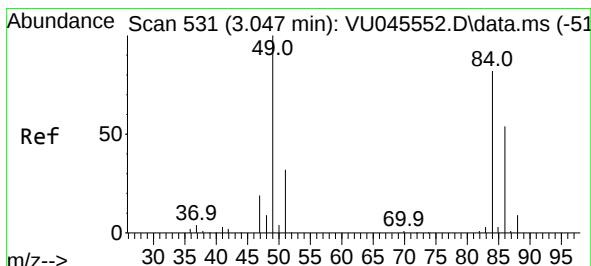
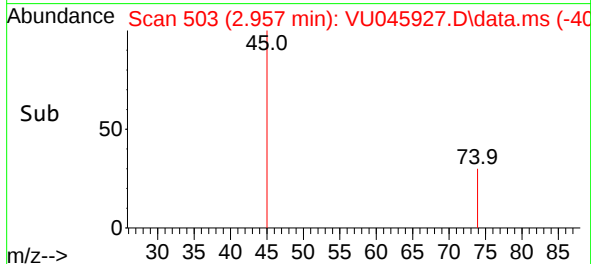
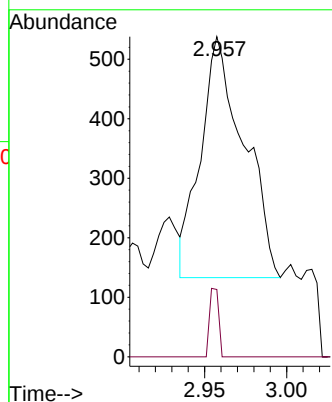
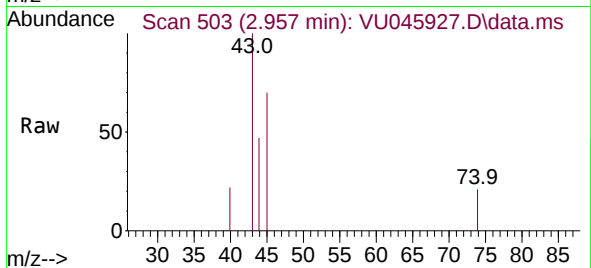




#18
Methyl Acetate
Concen: 0.248 ug/l
RT: 2.957 min Scan# 501
Delta R.T. 0.010 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

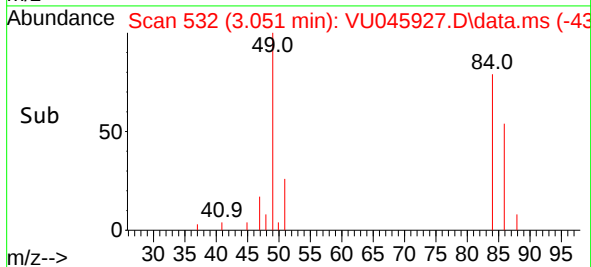
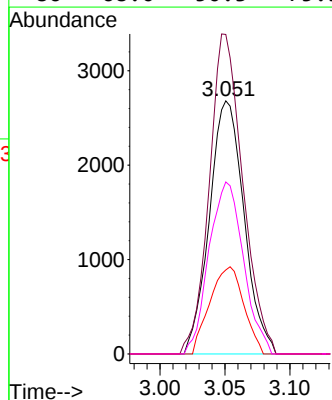
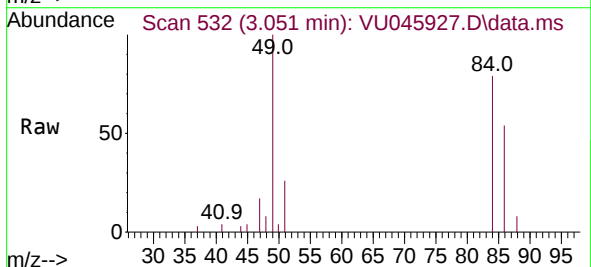
Instrument :
MSVOA_U
ClientSampleId :

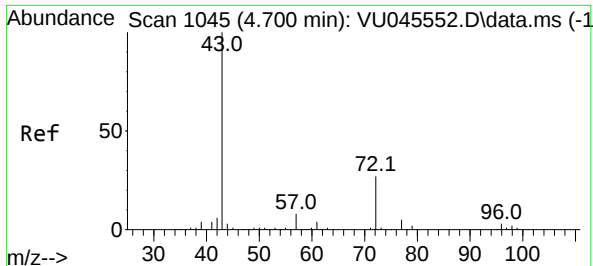
Tgt Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
74 5.9 20.2 30.2#



#20
Methylene Chloride
Concen: 3.246 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

Tgt Ion: 84 Resp: 4965
Ion Ratio Lower Upper
84 100
49 126.3 96.4 144.6
51 33.2 30.5 45.7
86 68.0 50.3 75.5





#25

2-Butanone

Concen: 2.322 ug/l

RT: 4.723 min Scan# 1105

Delta R.T. 0.023 min

Lab File: VU045927.D

Acq: 22 Nov 2021 20:09

Instrument :

MSVOA_U

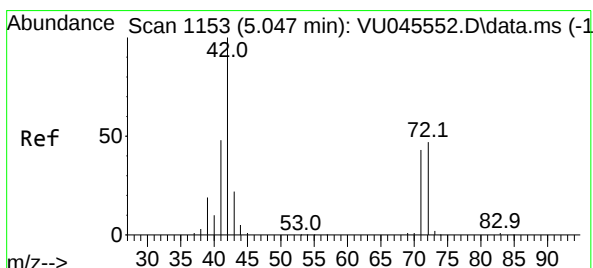
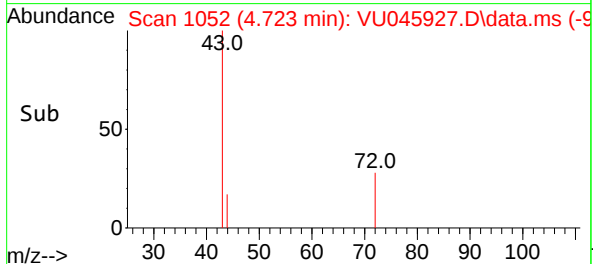
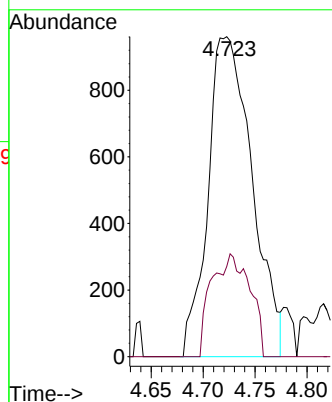
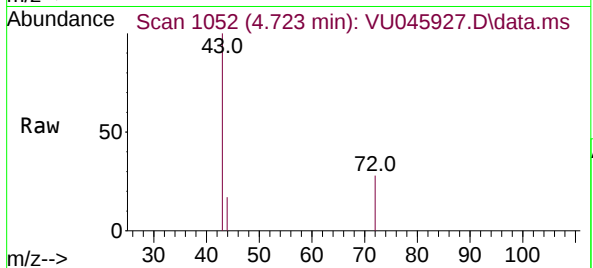
ClientSampleId :

Tgt Ion: 43 Resp: 2835

Ion Ratio Lower Upper

43 100

72 28.2 22.0 33.0



#29

Tetrahydrofuran

Concen: 0.276 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.016 min

Lab File: VU045927.D

Acq: 22 Nov 2021 20:09

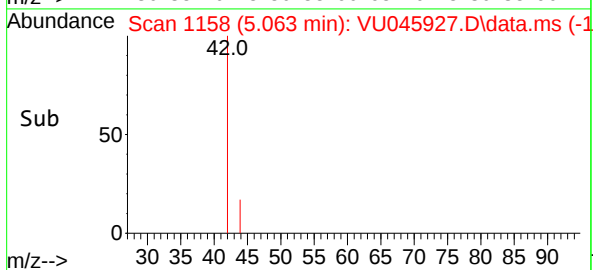
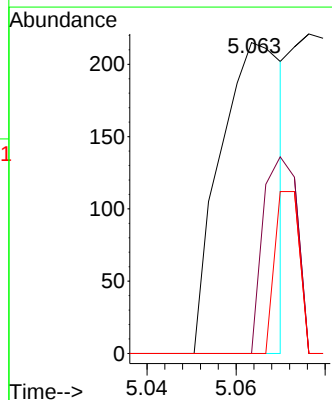
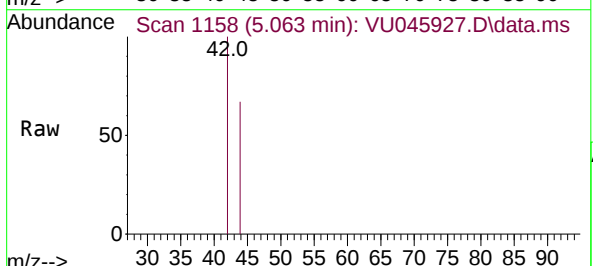
Tgt Ion: 42 Resp: 206

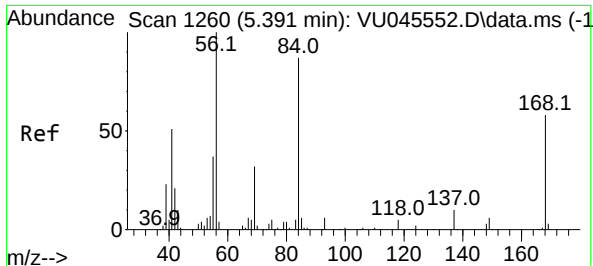
Ion Ratio Lower Upper

42 100

72 35.0 38.2 57.4#

71 20.9 35.4 53.2#

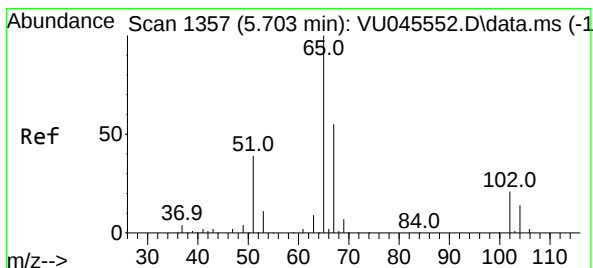
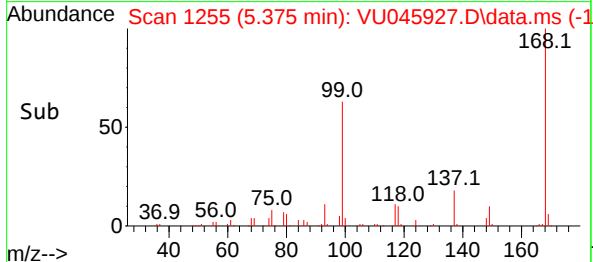
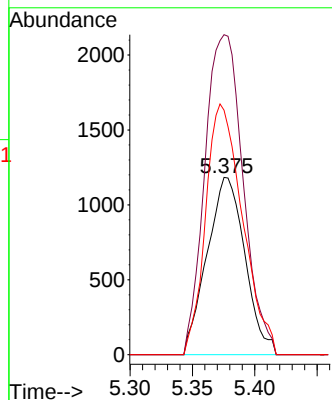
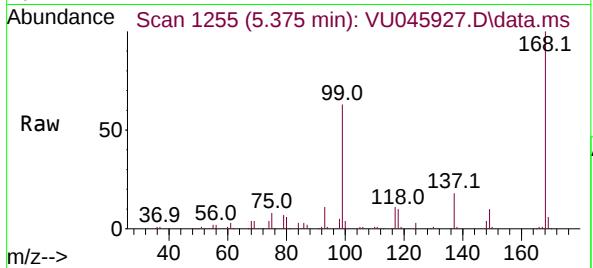




#31
Cyclohexane
Concen: 0.992 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

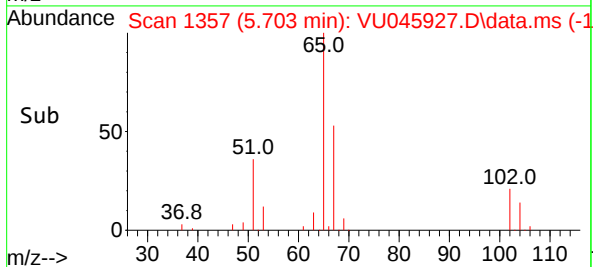
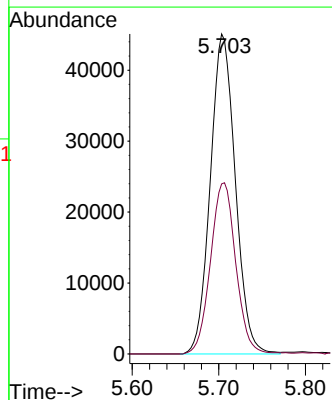
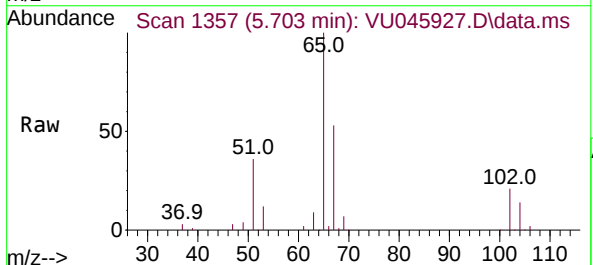
Instrument :
MSVOA_U
ClientSampleId :

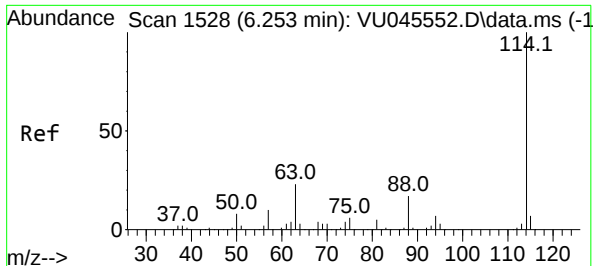
Tgt Ion: 56 Resp: 2502
Ion Ratio Lower Upper
56 100
69 180.6 26.4 39.6#
84 138.0 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 52.363 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

Tgt Ion: 65 Resp: 90554
Ion Ratio Lower Upper
65 100
67 54.1 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: VU045927.D

Acq: 22 Nov 2021 20:09

Instrument :

MSVOA_U

ClientSampleId :

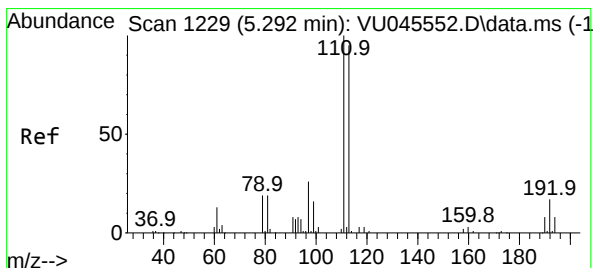
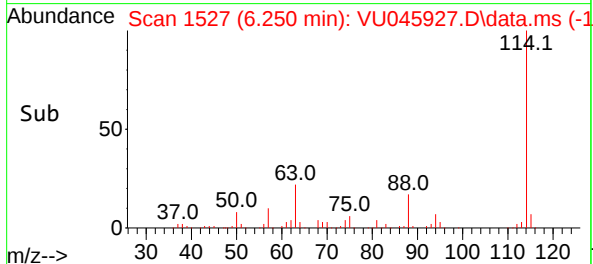
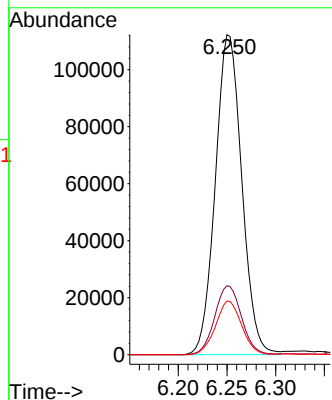
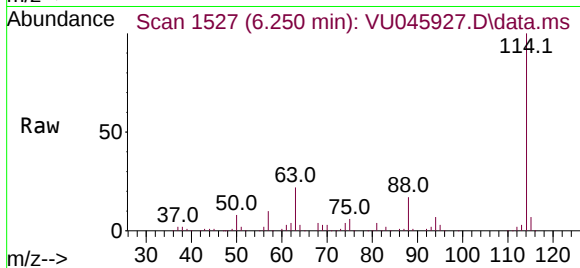
Tgt Ion:114 Resp: 212017

Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.6

88 16.8 0.0 33.8



#35

Dibromofluoromethane

Concen: 51.272 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VU045927.D

Acq: 22 Nov 2021 20:09

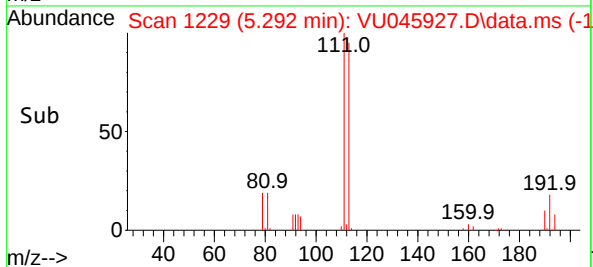
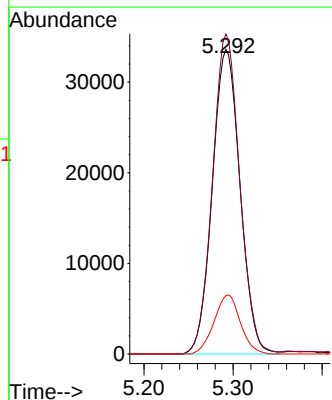
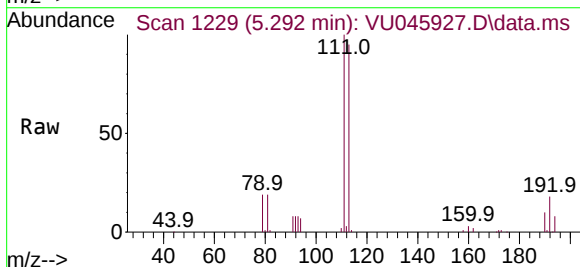
Tgt Ion:113 Resp: 72577

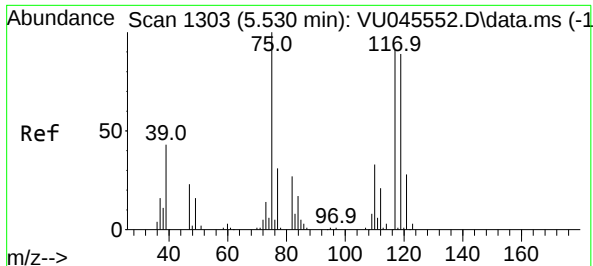
Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 18.4 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.721 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.157 min

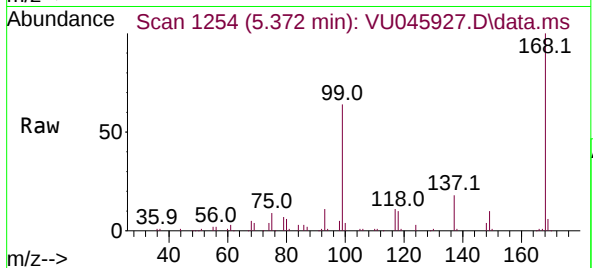
Lab File: VU045927.D

Acq: 22 Nov 2021 20:09

Instrument :

MSVOA_U

ClientSampleId :



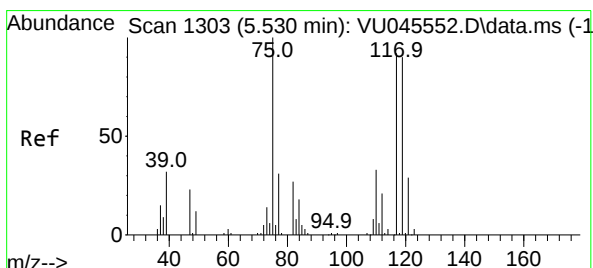
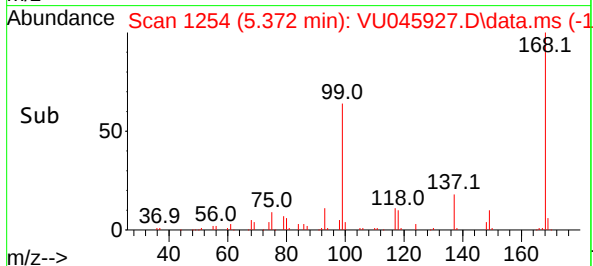
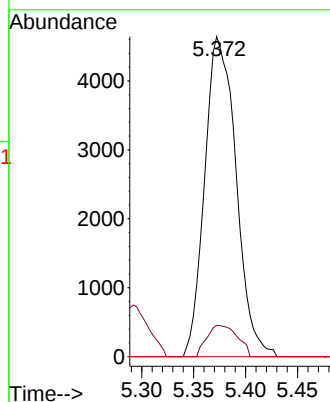
Tgt Ion: 75 Resp: 9759

Ion Ratio Lower Upper

75 100

110 9.6 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.961 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU045927.D

Acq: 22 Nov 2021 20:09

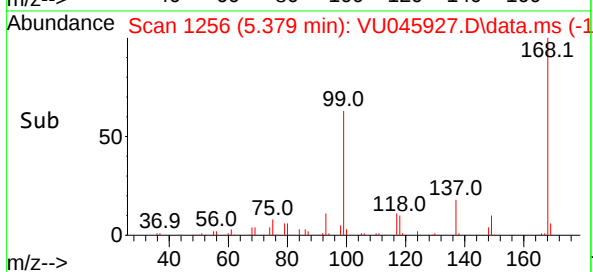
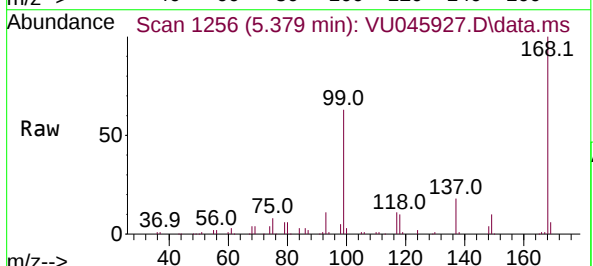
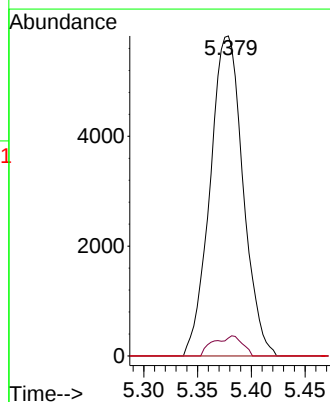
Tgt Ion:117 Resp: 12423

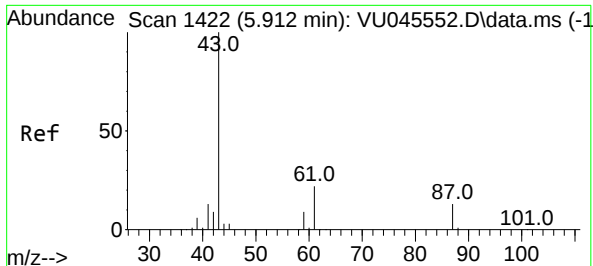
Ion Ratio Lower Upper

117 100

119 5.6 77.4 116.0#

121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 3.049 ug/l

RT: 5.912 min Scan# 14

Delta R.T. 0.000 min

Lab File: VU045927.D

Acq: 22 Nov 2021 20:09

Instrument :

MSVOA_U

ClientSampleId :

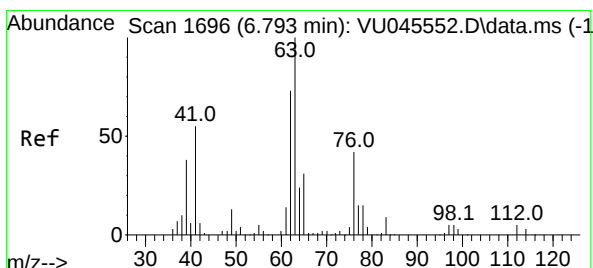
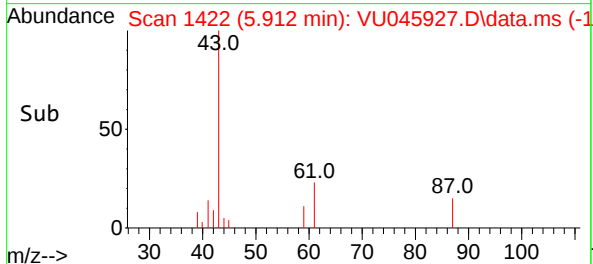
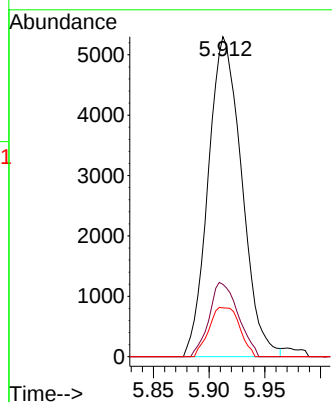
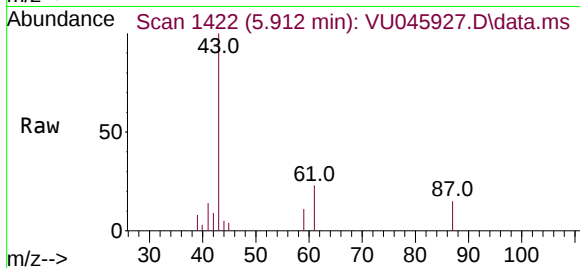
Tgt Ion: 43 Resp: 11074

Ion Ratio Lower Upper

43 100

61 20.1 16.9 25.3

87 14.0 11.0 16.4



#45

1,2-Dichloropropane

Concen: 0.496 ug/l

RT: 7.038 min Scan# 1772

Delta R.T. 0.244 min

Lab File: VU045927.D

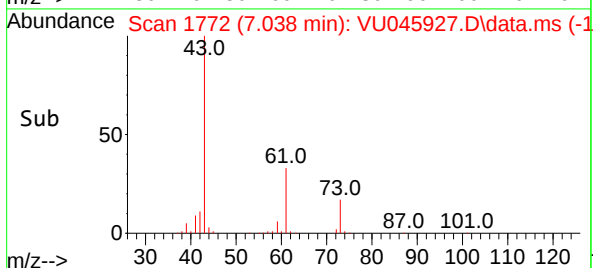
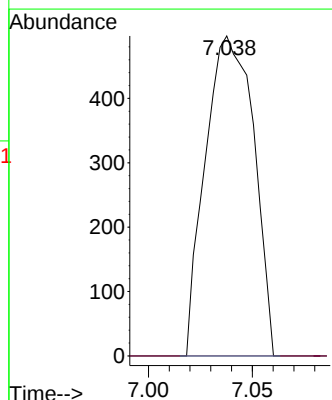
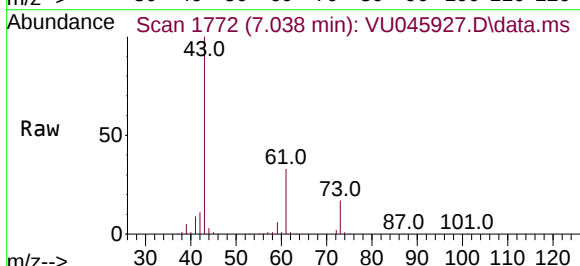
Acq: 22 Nov 2021 20:09

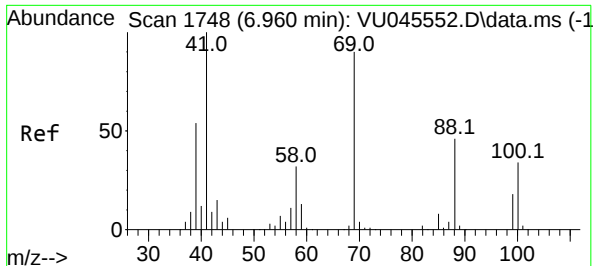
Tgt Ion: 63 Resp: 804

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 2.321 ug/l

RT: 6.896 min Scan# 1

Delta R.T. -0.064 min

Lab File: VU045927.D

Acq: 22 Nov 2021 20:09

Instrument :

MSVOA_U

ClientSampleId :

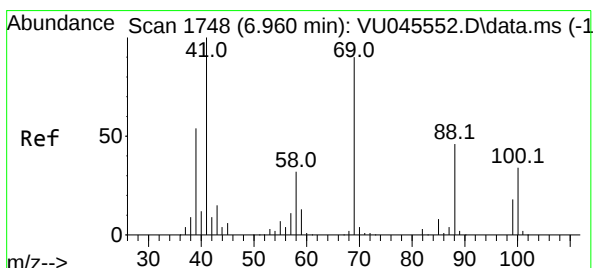
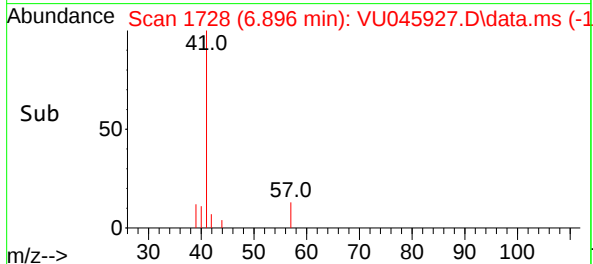
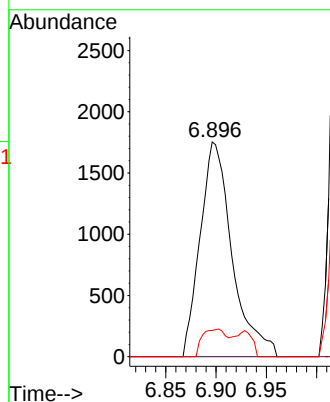
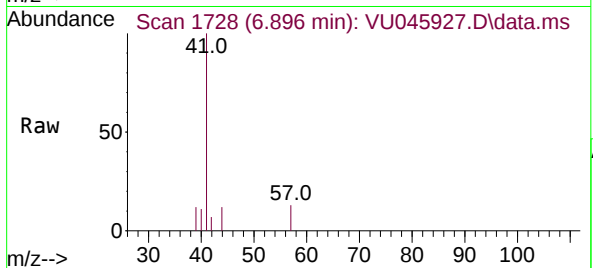
Tgt Ion: 41 Resp: 3881

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#



#49

1,4-Dioxane

Concen: 0.488 ug/l

RT: 7.041 min Scan# 1773

Delta R.T. 0.080 min

Lab File: VU045927.D

Acq: 22 Nov 2021 20:09

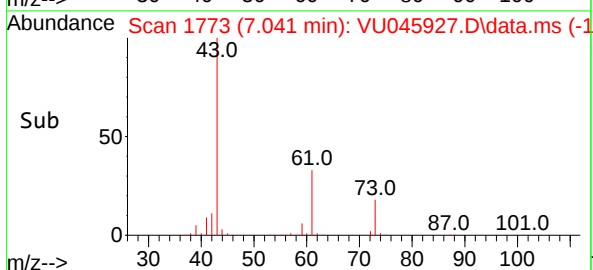
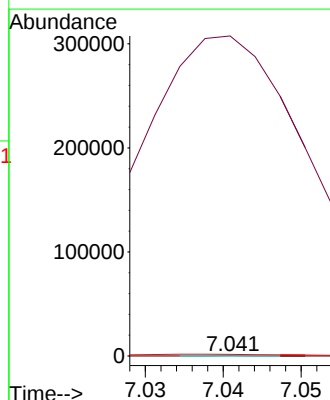
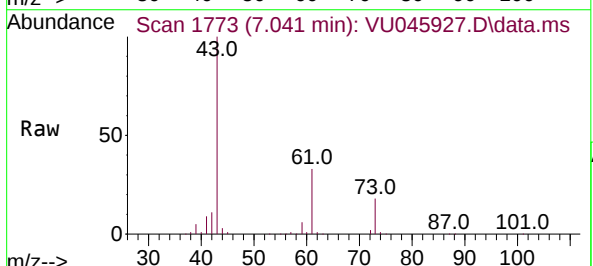
Tgt Ion: 88 Resp: 21

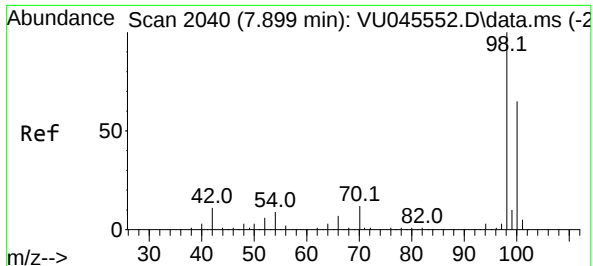
Ion Ratio Lower Upper

88 100

43 2588681.0 0.0 0.0#

58 13685.7 58.7 88.1#

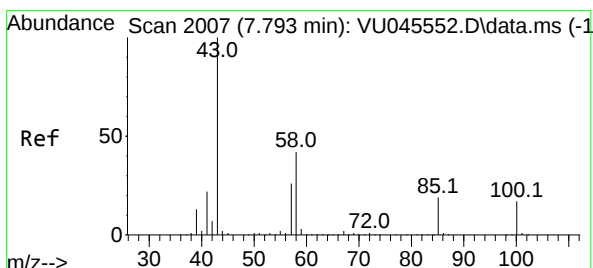
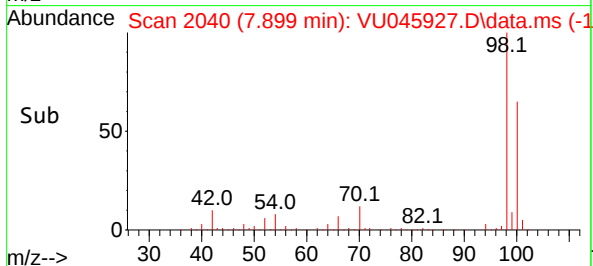
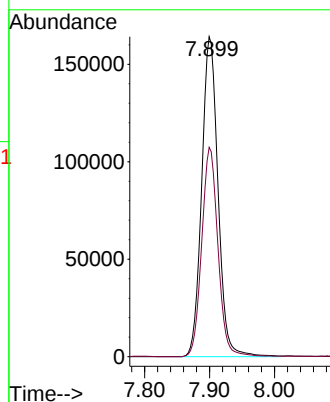
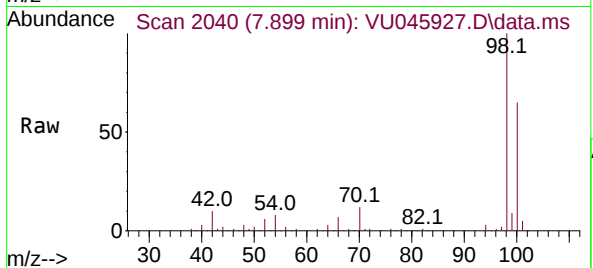




#50
Toluene-d8
Concen: 54.685 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

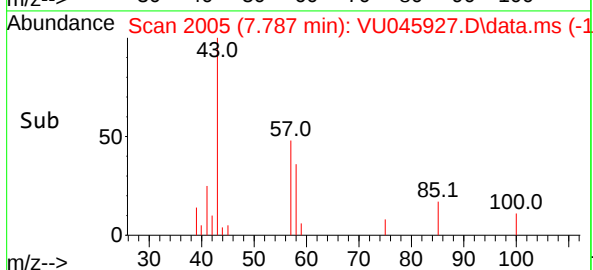
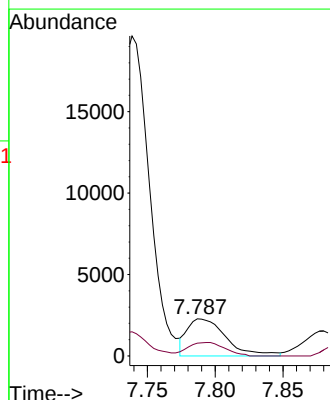
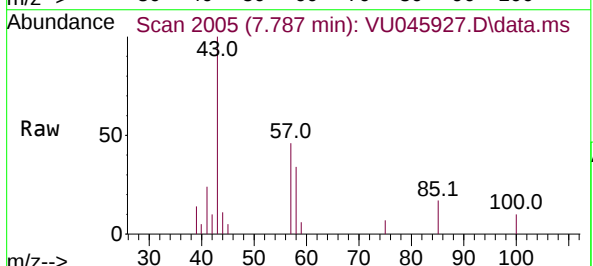
Instrument :
MSVOA_U
ClientSampleId :

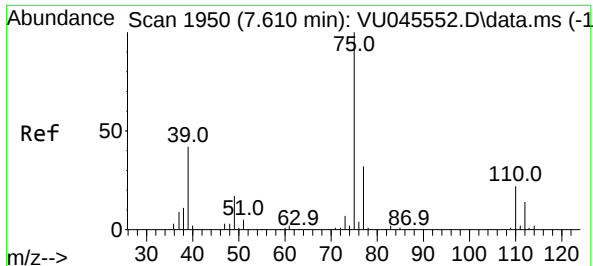
Tgt Ion: 98 Resp: 287842
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.907 ug/l
RT: 7.787 min Scan# 2005
Delta R.T. -0.006 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

Tgt Ion: 43 Resp: 4569
Ion Ratio Lower Upper
43 100
58 34.2 33.8 50.8

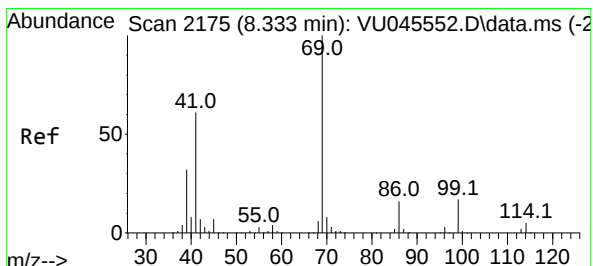
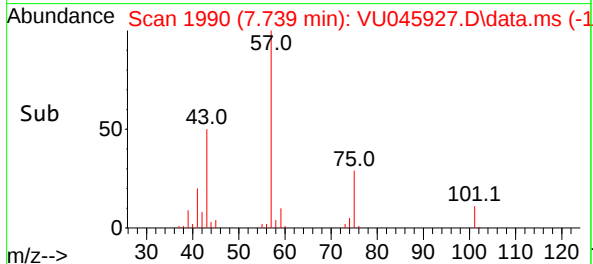
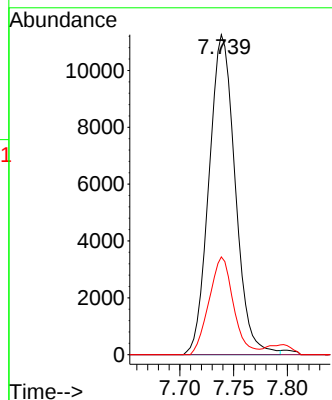
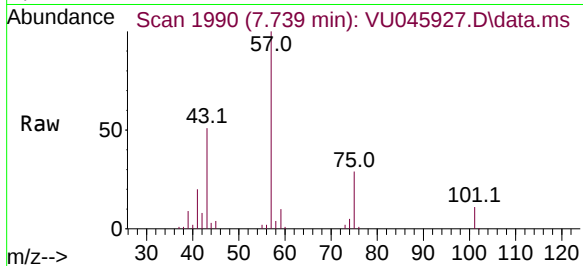




#54
 cis-1,3-Dichloropropene
 Concen: 7.342 ug/l
 RT: 7.739 min Scan# 1950
 Delta R.T. 0.129 min
 Lab File: VU045927.D
 Acq: 22 Nov 2021 20:09

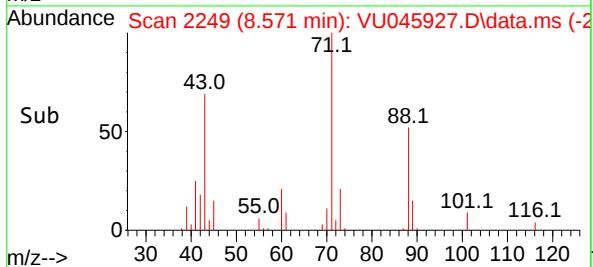
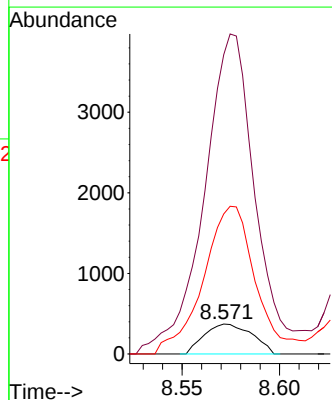
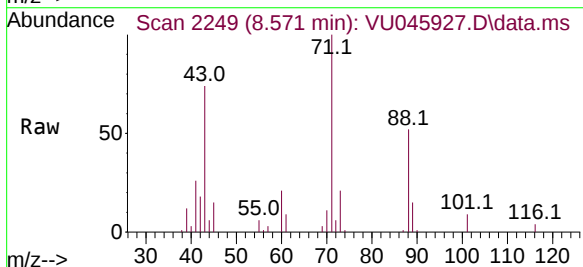
Instrument :
 MSVOA_U
 ClientSampleId :

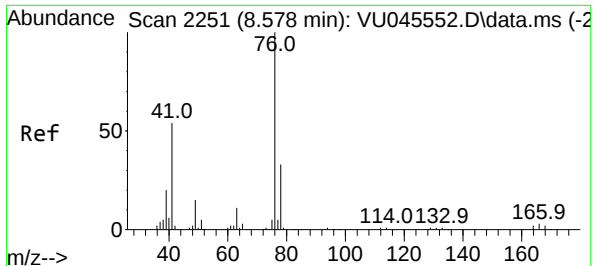
Tgt Ion: 75 Resp: 19082
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 30.5 37.1 55.7#



#56
 Ethyl methacrylate
 Concen: 2.641 ug/l
 RT: 8.571 min Scan# 2249
 Delta R.T. 0.238 min
 Lab File: VU045927.D
 Acq: 22 Nov 2021 20:09

Tgt Ion: 69 Resp: 634
 Ion Ratio Lower Upper
 69 100
 41 1134.4 51.0 76.4#
 39 542.1 26.6 39.8#





#57

1,3-Dichloropropane

Concen: 3.627 ug/l

RT: 8.729 min Scan# 21

Delta R.T. 0.151 min

Lab File: VU045927.D

Acq: 22 Nov 2021 20:09

Instrument :

MSVOA_U

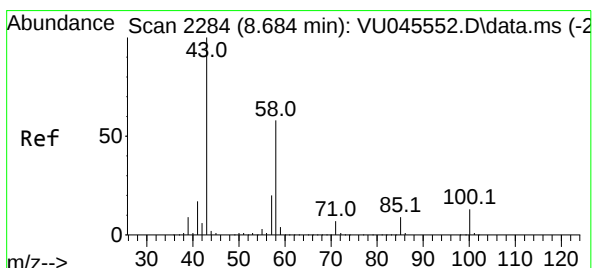
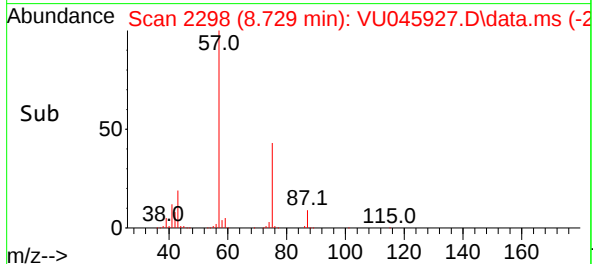
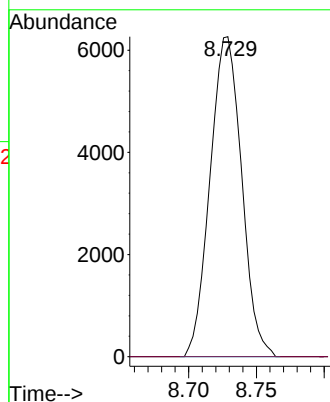
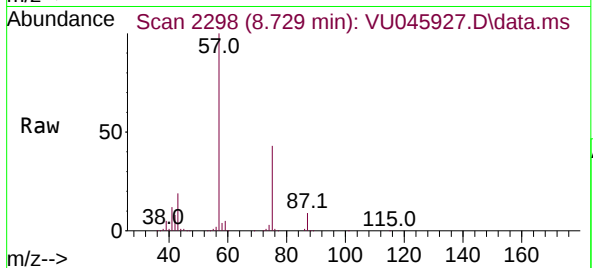
ClientSampleId :

Tgt Ion: 76 Resp: 10146

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 10.469 ug/l

RT: 8.632 min Scan# 2268

Delta R.T. -0.052 min

Lab File: VU045927.D

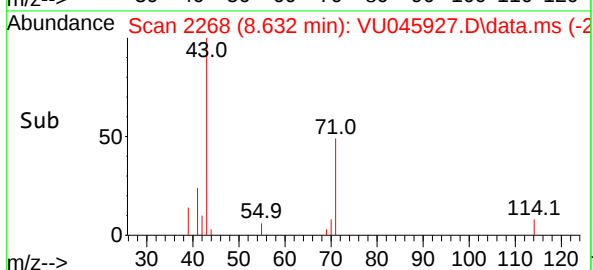
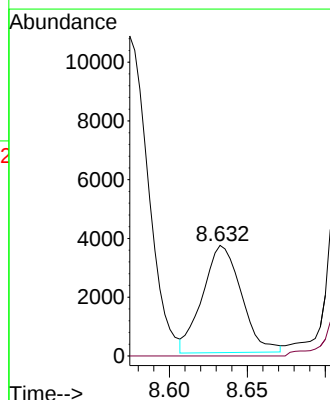
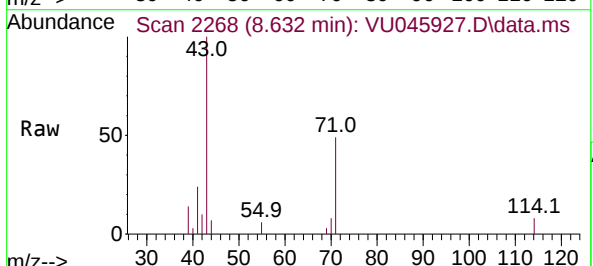
Acq: 22 Nov 2021 20:09

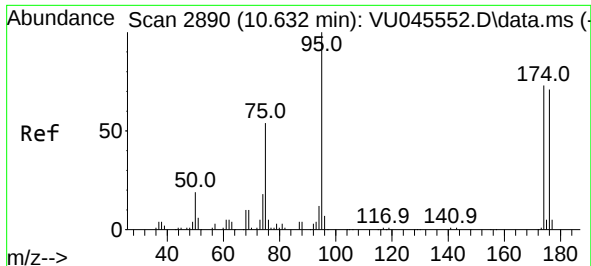
Tgt Ion: 43 Resp: 6308

Ion Ratio Lower Upper

43 100

58 0.0 29.5 88.6#

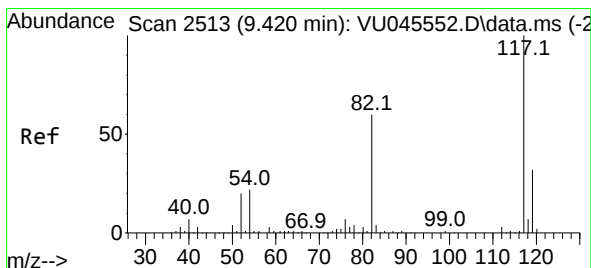
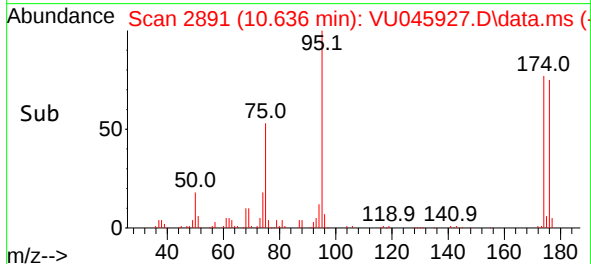
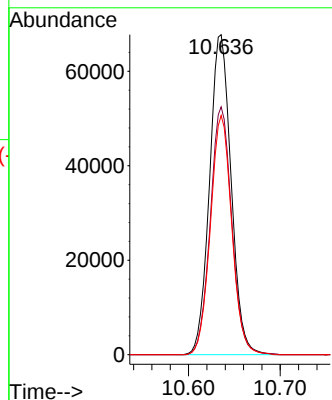
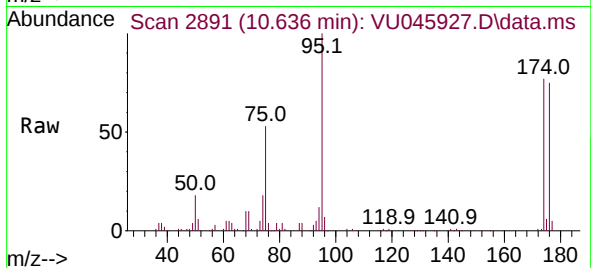




#62
4-Bromofluorobenzene
Concen: 52.525 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

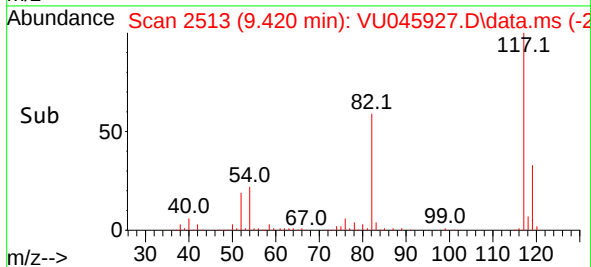
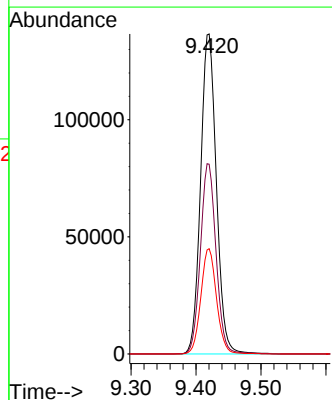
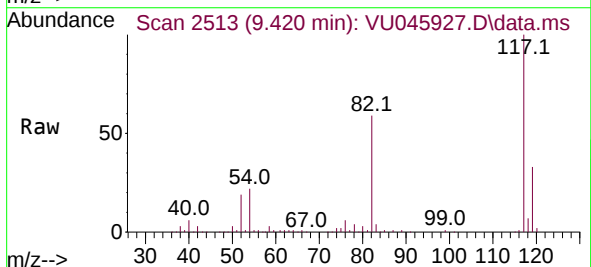
Instrument :
MSVOA_U
ClientSampleId :

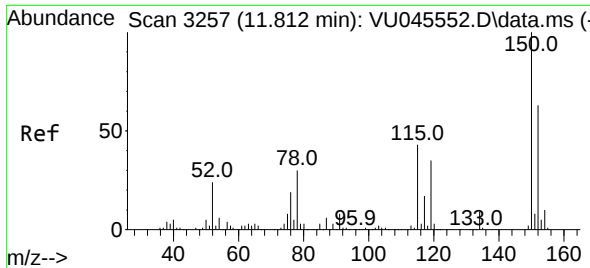
Tgt Ion: 95 Resp: 110864
Ion Ratio Lower Upper
95 100
174 77.3 0.0 141.8
176 73.9 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

Tgt Ion: 117 Resp: 231266
Ion Ratio Lower Upper
117 100
82 59.3 47.8 71.8
119 32.9 25.8 38.8

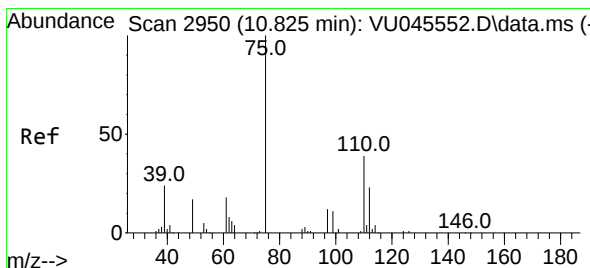
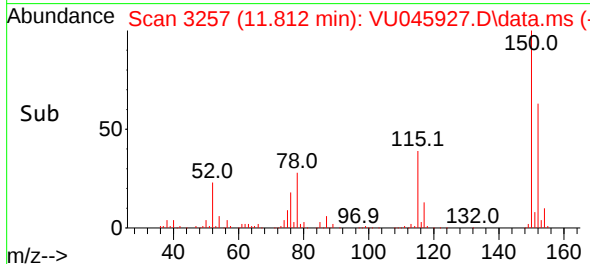
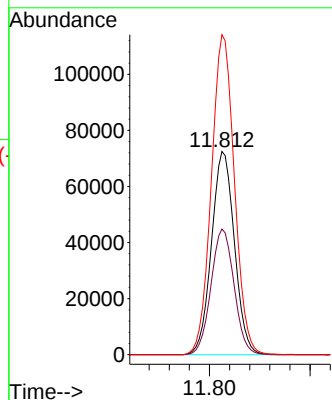
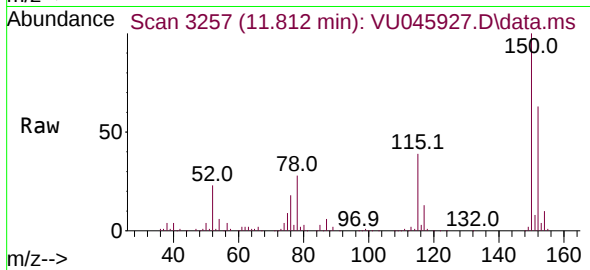




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU045927.D
 Acq: 22 Nov 2021 20:09

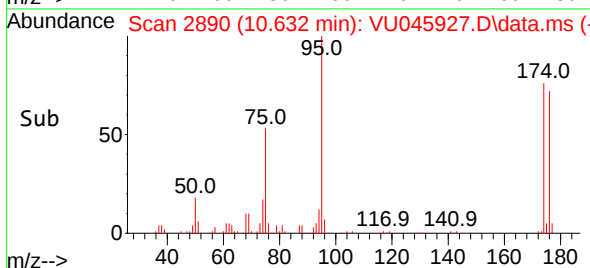
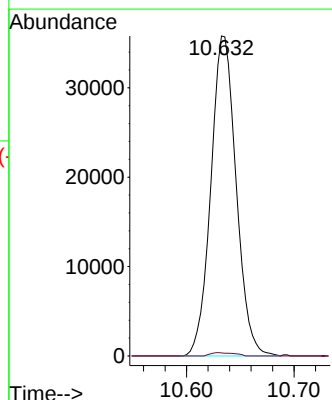
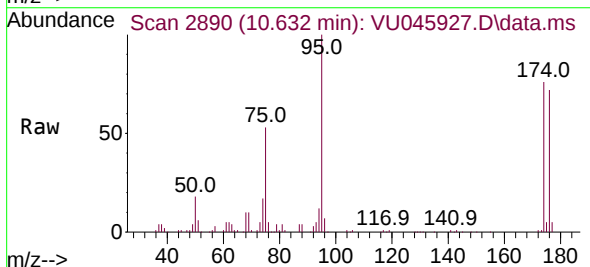
Instrument :
 MSVOA_U
 ClientSampleId :

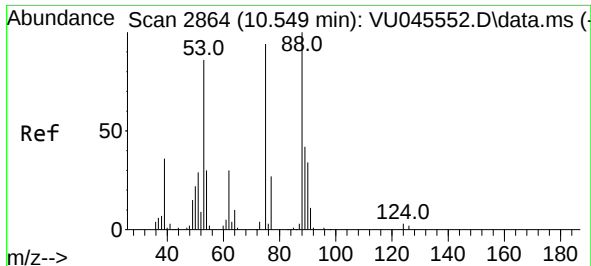
Tgt Ion:152 Resp: 114810
 Ion Ratio Lower Upper
 152 100
 115 62.0 42.7 128.1
 150 158.0 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 16.796 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.193 min
 Lab File: VU045927.D
 Acq: 22 Nov 2021 20:09

Tgt Ion: 75 Resp: 58478
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.1 51.3#

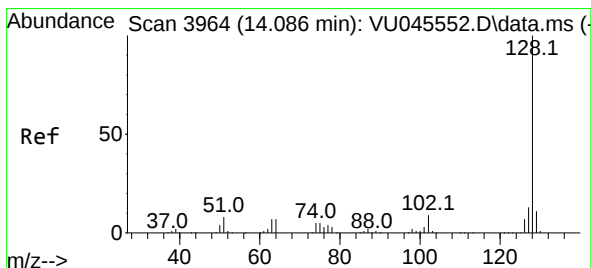
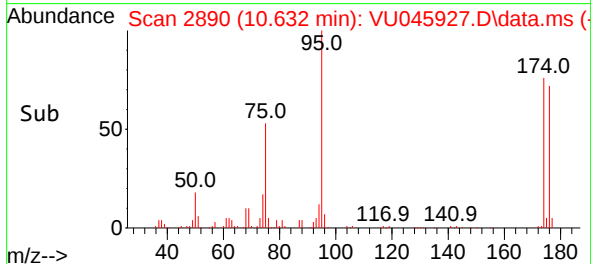
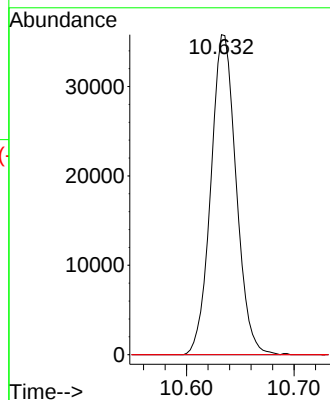
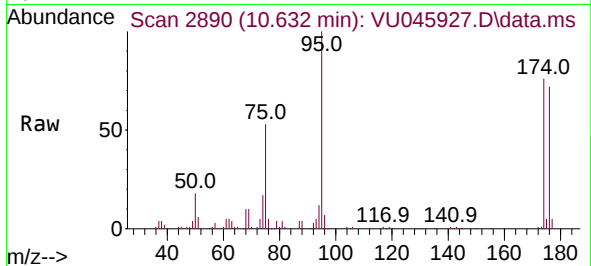




#81
trans-1,4-Dichloro-2-butene
Concen: 54.721 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.083 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 58478
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.036 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU045927.D
Acq: 22 Nov 2021 20:09

Tgt Ion:128 Resp: 72
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

