

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044969.D
 Acq On : 29 Sep 2021 02:55
 Operator : SY/MD
 Sample : M3920-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EB-02-092321

Quant Time: Sep 29 05:50:56 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)

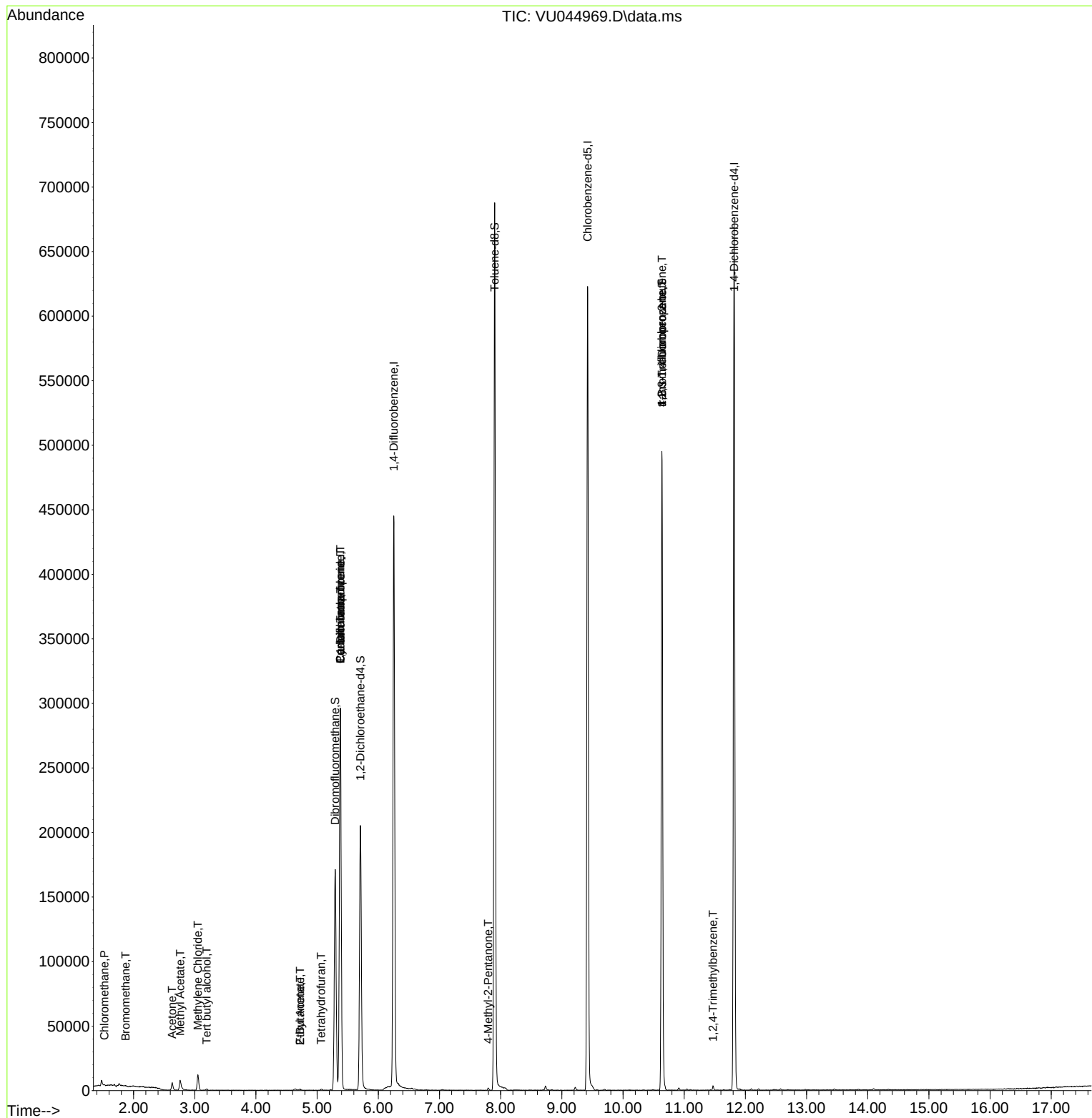
Internal Standards						
1) Pentafluorobenzene	5.379	168	192012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	346428	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	333646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	165248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	159538	49.914	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.820%
35) Dibromofluoromethane	5.295	113	111608	51.070	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.140%
50) Toluene-d8	7.903	98	441126	51.087	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.180%
62) 4-Bromofluorobenzene	10.636	95	164809	46.231	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.460%
Target Compounds						Qvalue
3) Chloromethane	1.523	50	625	0.203	ug/l	99
5) Bromomethane	1.871	94	243	0.201	ug/l	83
11) Tert butyl alcohol	3.195	59	587	0.640	ug/l #	72
16) Acetone	2.629	43	6803	3.586	ug/l	99
18) Methyl Acetate	2.761	43	2956	0.533	ug/l #	52
20) Methylene Chloride	3.051	84	5757	2.015	ug/l	95
25) 2-Butanone	4.723	43	1172	0.435	ug/l	99
29) Tetrahydrofuran	5.067	42	671	0.418	ug/l #	62
31) Cyclohexane	5.379	56	4876	1.004	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	18126	5.003	ug/l #	50
37) Ethyl Acetate	4.723	43	1172	0.245	ug/l #	69
38) Carbon Tetrachloride	5.379	117	20113	6.416	ug/l #	16
51) 4-Methyl-2-Pentanone	7.796	43	1634	0.311	ug/l #	71
76) 1,2,3-Trichloropropane	10.636	75	89818	18.635	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	89818	51.714	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.472	105	2151	0.202	ug/l	93

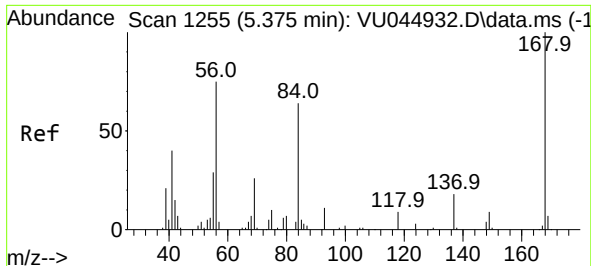
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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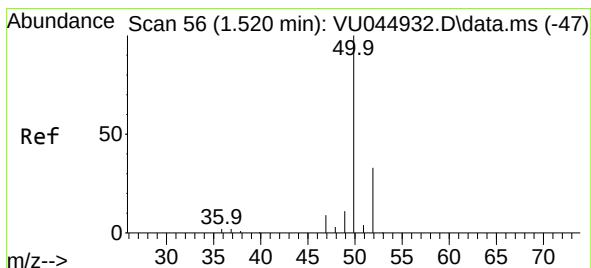
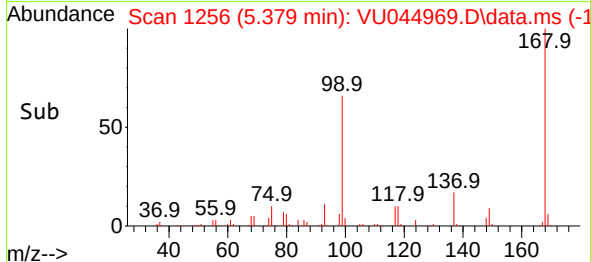
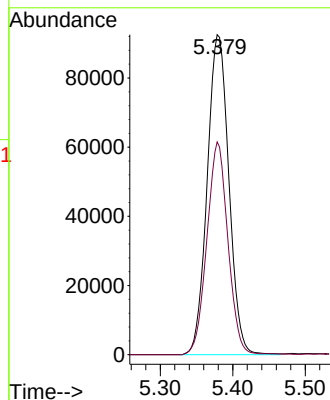
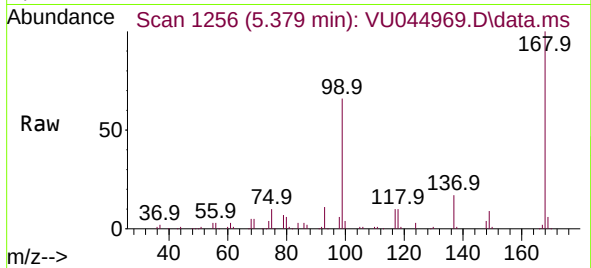




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU044969.D
Acq: 29 Sep 2021 02:55

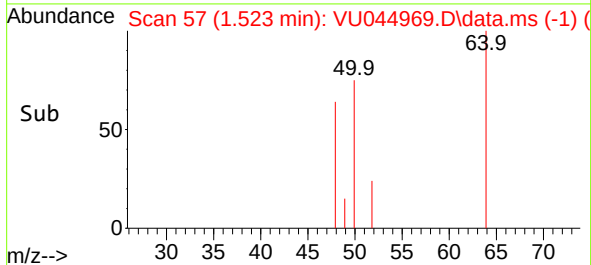
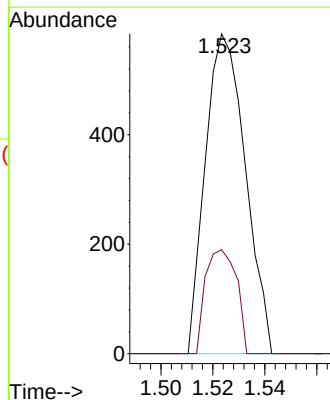
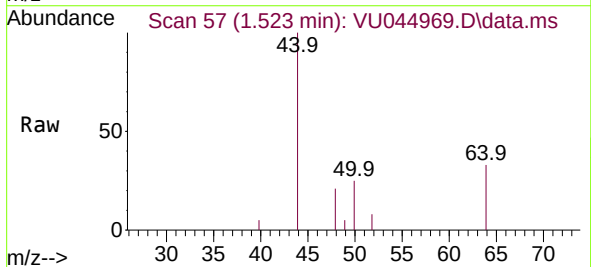
Instrument :
MSVOA_U
ClientSampleId :
EB-02-092321

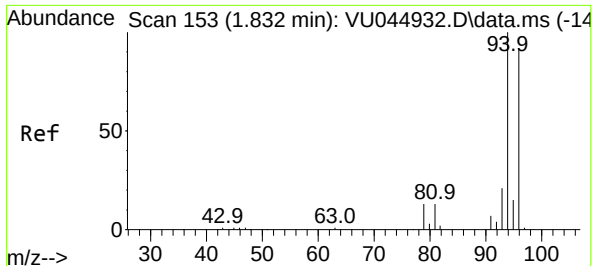
Tgt Ion:168 Resp: 192012
Ion Ratio Lower Upper
168 100
99 66.5 51.4 77.0



#3
Chloromethane
Concen: 0.203 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU044969.D
Acq: 29 Sep 2021 02:55

Tgt Ion: 50 Resp: 625
Ion Ratio Lower Upper
50 100
52 32.5 26.3 39.5

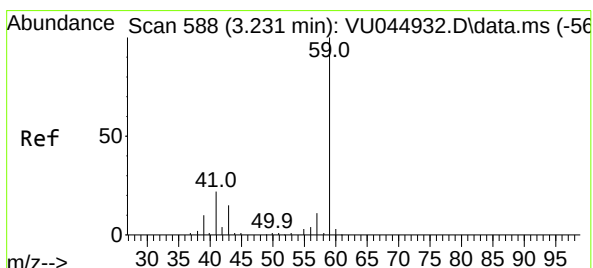
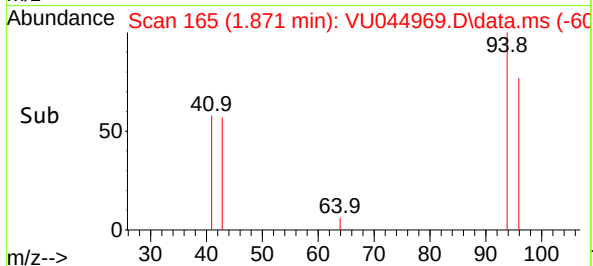
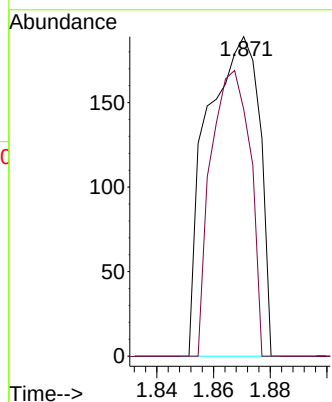
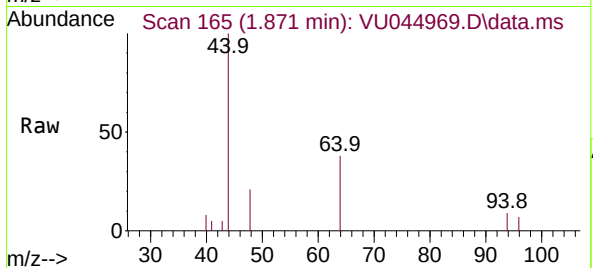




#5
Bromomethane
Concen: 0.201 ug/l
RT: 1.871 min Scan# 1
Delta R.T. 0.039 min
Lab File: VU044969.D
Acq: 29 Sep 2021 02:55

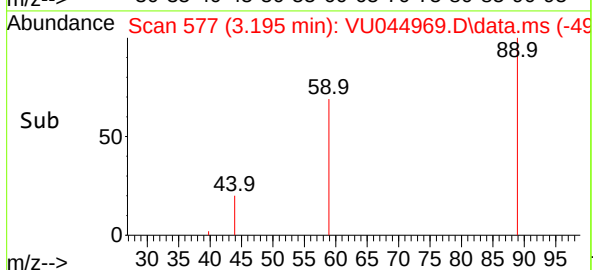
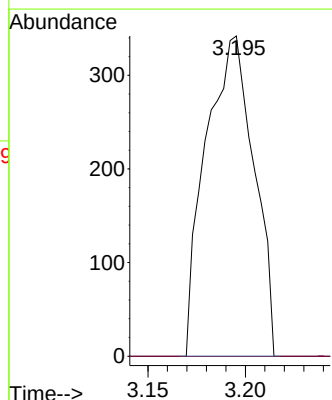
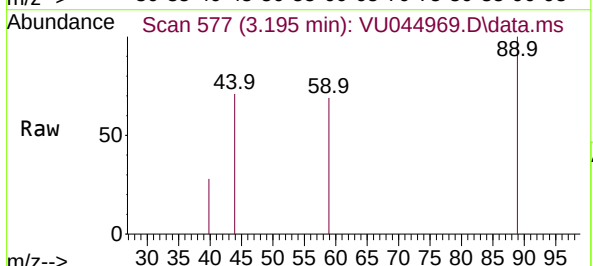
Instrument :
MSVOA_U
ClientSampleId :
EB-02-092321

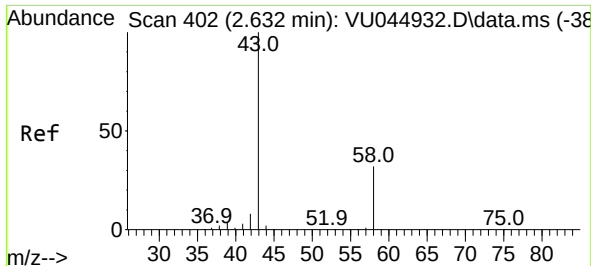
Tgt Ion: 94 Resp: 243
Ion Ratio Lower Upper
94 100
96 77.2 74.5 111.7



#11
Tert butyl alcohol
Concen: 0.640 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.036 min
Lab File: VU044969.D
Acq: 29 Sep 2021 02:55

Tgt Ion: 59 Resp: 587
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 3.586 ug/l

RT: 2.629 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU044969.D

Acq: 29 Sep 2021 02:55

Instrument :

MSVOA_U

ClientSampleId :

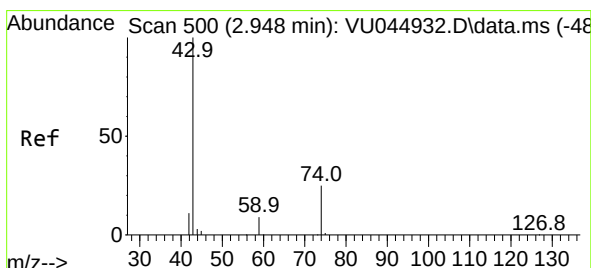
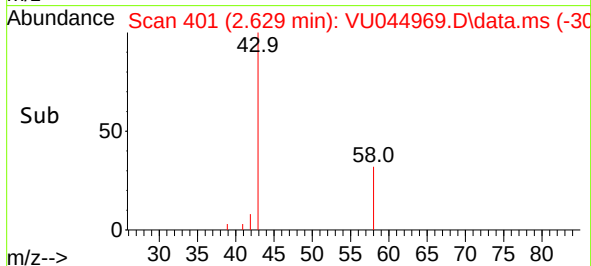
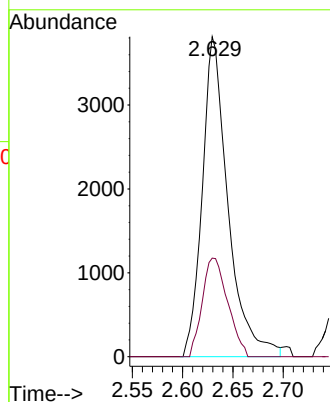
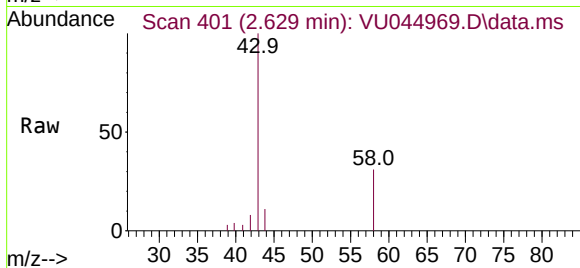
EB-02-092321

Tgt Ion: 43 Resp: 6803

Ion Ratio Lower Upper

43 100

58 30.8 25.2 37.8



#18

Methyl Acetate

Concen: 0.533 ug/l

RT: 2.761 min Scan# 442

Delta R.T. -0.187 min

Lab File: VU044969.D

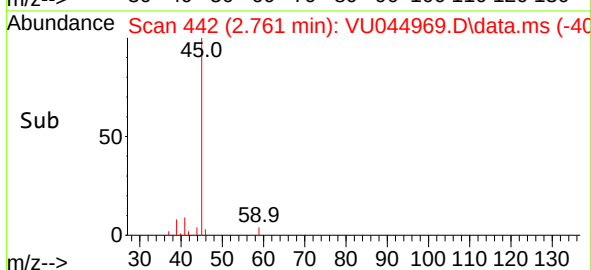
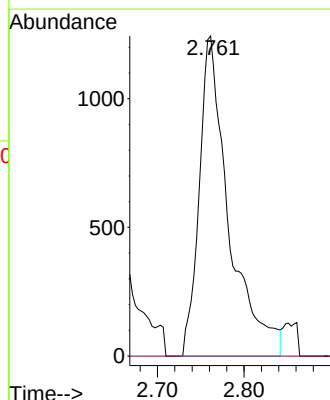
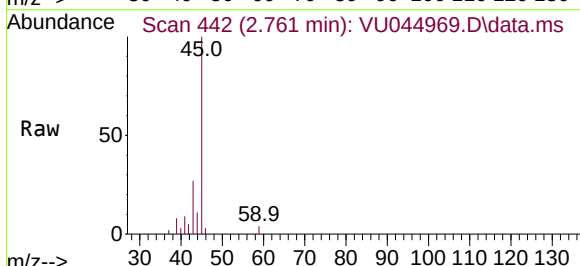
Acq: 29 Sep 2021 02:55

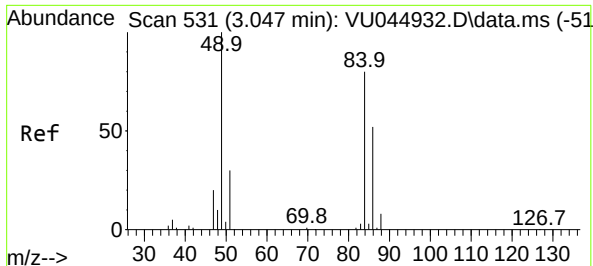
Tgt Ion: 43 Resp: 2956

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#





#20

Methylene Chloride

Concen: 2.015 ug/l

RT: 3.051 min Scan# 51

Delta R.T. 0.004 min

Lab File: VU044969.D

Acq: 29 Sep 2021 02:55

Instrument :

MSVOA_U

ClientSampleId :

EB-02-092321

Tgt Ion: 84 Resp: 5757

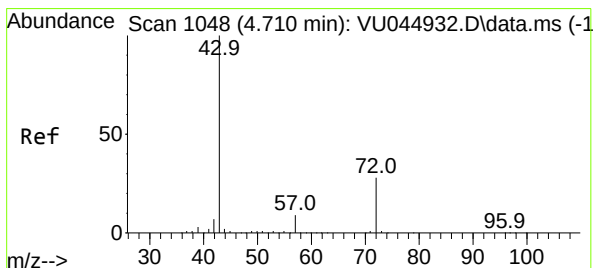
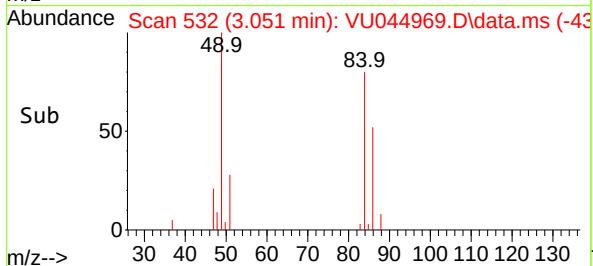
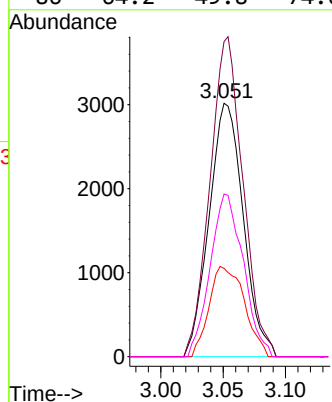
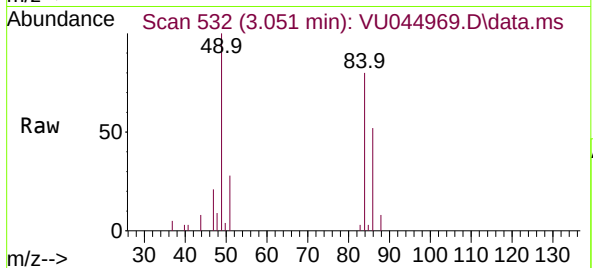
Ion Ratio Lower Upper

84 100

49 124.3 104.9 157.3

51 34.9 31.8 47.8

86 64.2 49.8 74.6



#25

2-Butanone

Concen: 0.435 ug/l

RT: 4.723 min Scan# 1052

Delta R.T. 0.013 min

Lab File: VU044969.D

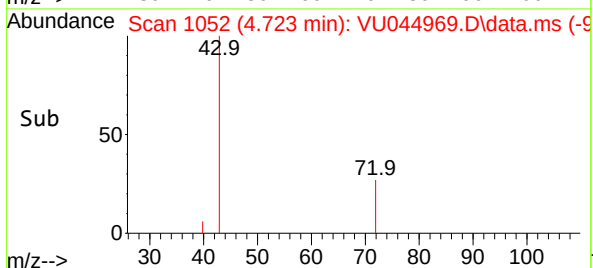
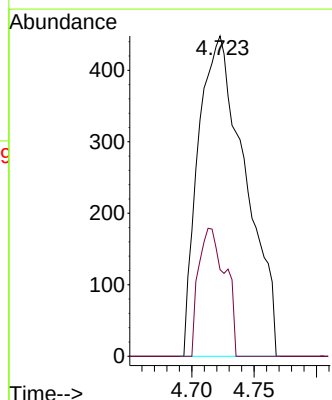
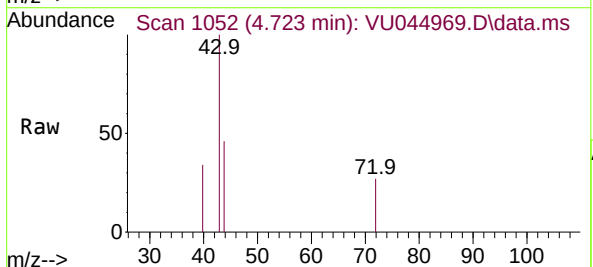
Acq: 29 Sep 2021 02:55

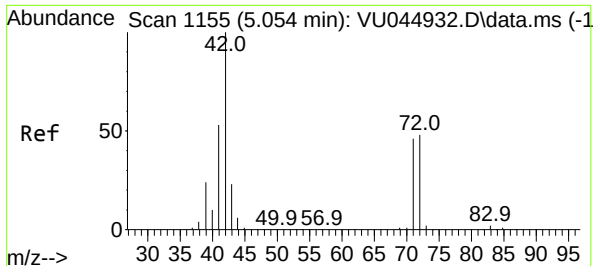
Tgt Ion: 43 Resp: 1172

Ion Ratio Lower Upper

43 100

72 27.0 21.3 31.9





#29

Tetrahydrofuran

Concen: 0.418 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.013 min

Lab File: VU044969.D

Acq: 29 Sep 2021 02:55

Instrument :

MSVOA_U

ClientSampleId :

EB-02-092321

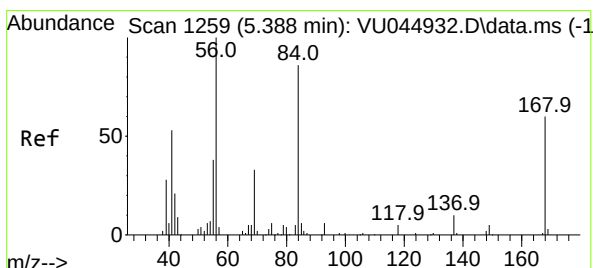
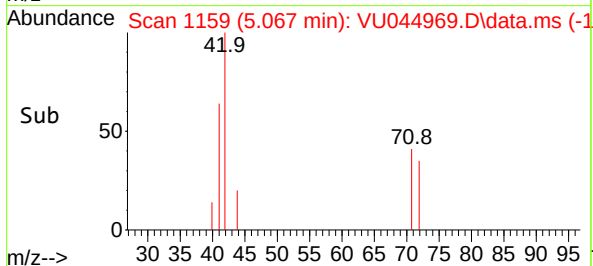
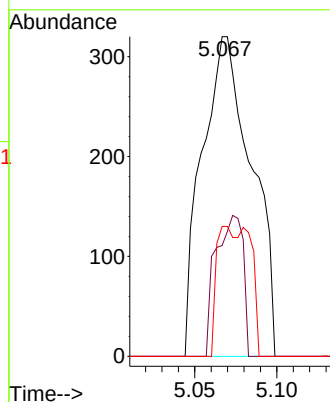
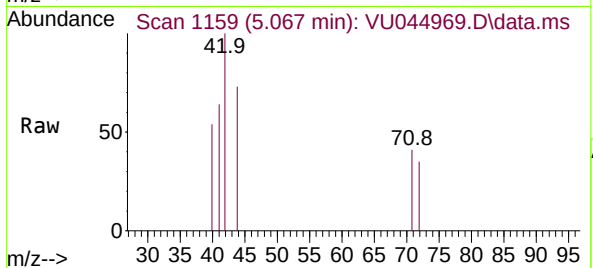
Tgt Ion: 42 Resp: 671

Ion Ratio Lower Upper

42 100

72 24.1 36.2 54.4#

71 14.2 34.1 51.1#



#31

Cyclohexane

Concen: 1.004 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.009 min

Lab File: VU044969.D

Acq: 29 Sep 2021 02:55

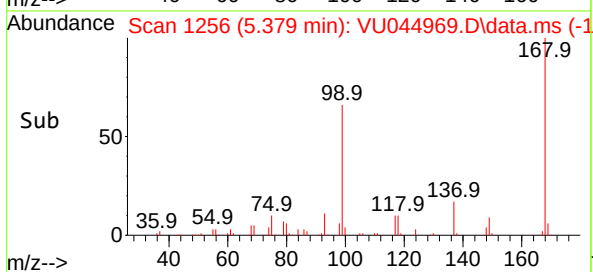
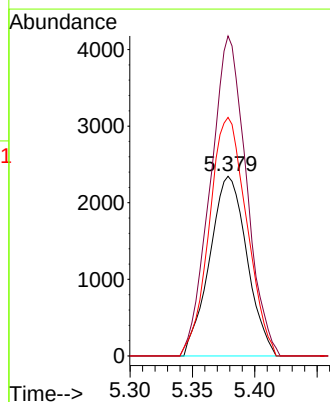
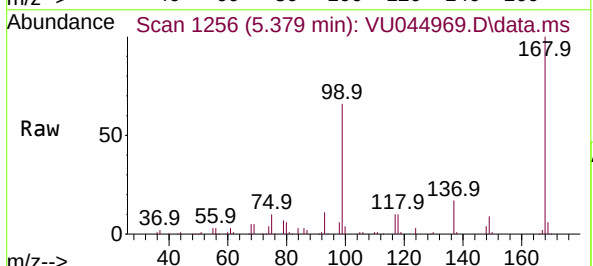
Tgt Ion: 56 Resp: 4876

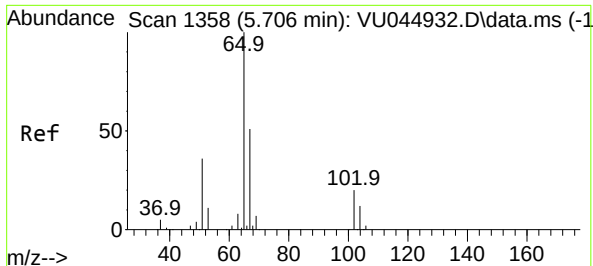
Ion Ratio Lower Upper

56 100

69 178.0 25.2 37.8#

84 132.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 49.914 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU044969.D

Acq: 29 Sep 2021 02:55

Instrument :

MSVOA_U

ClientSampleId :

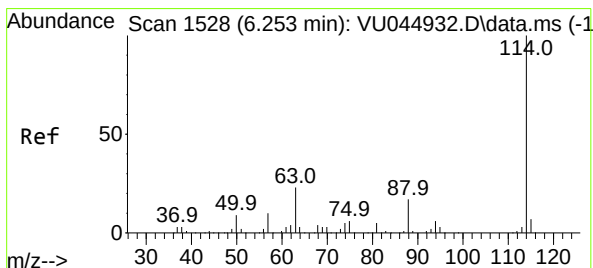
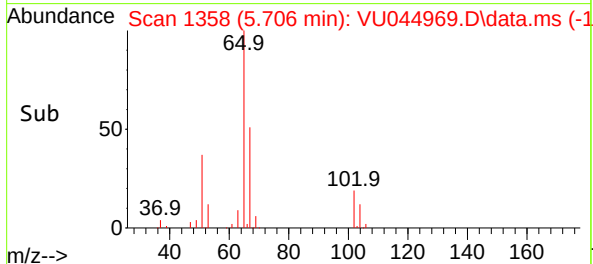
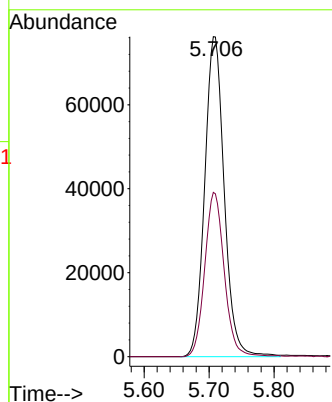
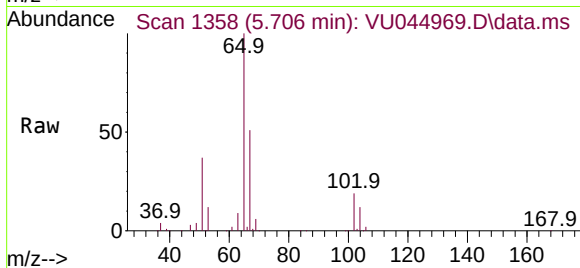
EB-02-092321

Tgt Ion: 65 Resp: 159538

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU044969.D

Acq: 29 Sep 2021 02:55

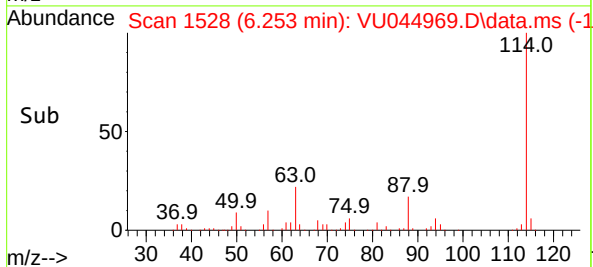
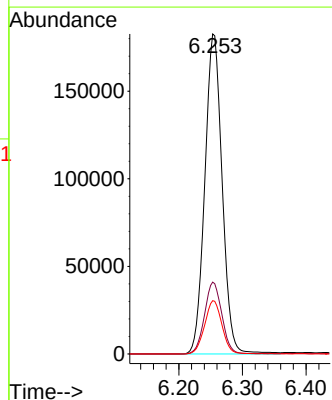
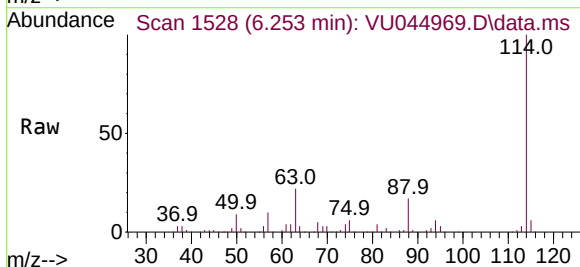
Tgt Ion: 114 Resp: 346428

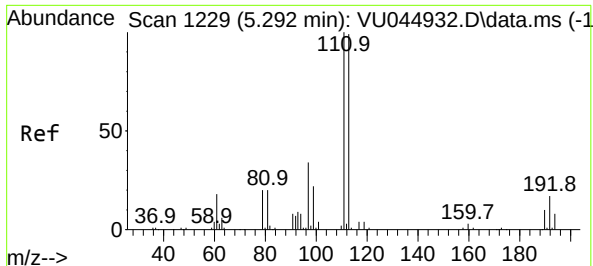
Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.8

88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.070 ug/l

RT: 5.295 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU044969.D

Acq: 29 Sep 2021 02:55

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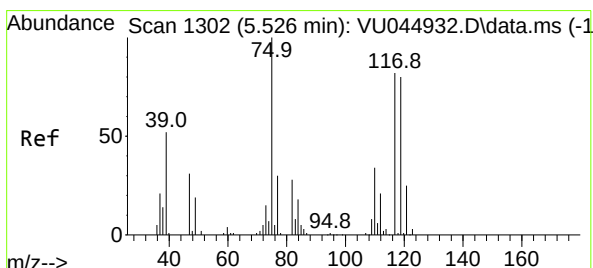
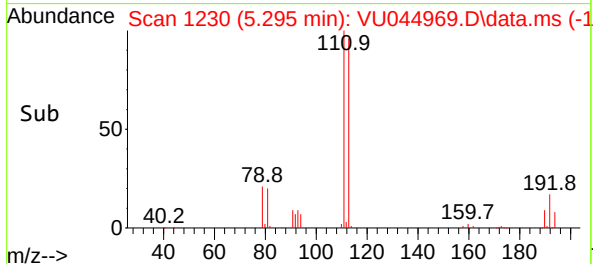
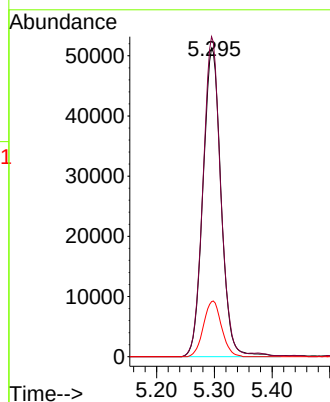
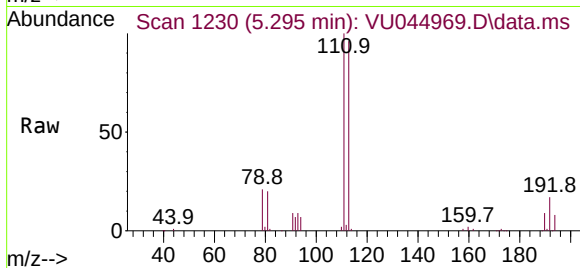
Tgt Ion:113 Resp: 111608

Ion Ratio Lower Upper

113 100

111 101.1 84.1 126.1

192 18.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.003 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.147 min

Lab File: VU044969.D

Acq: 29 Sep 2021 02:55

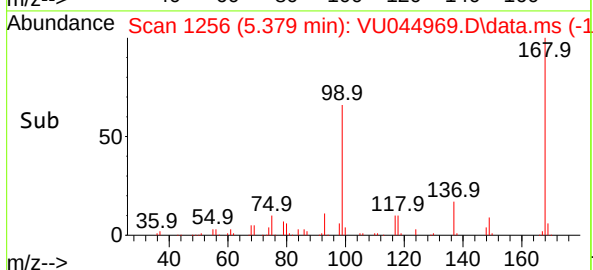
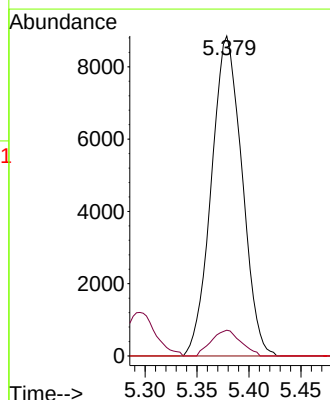
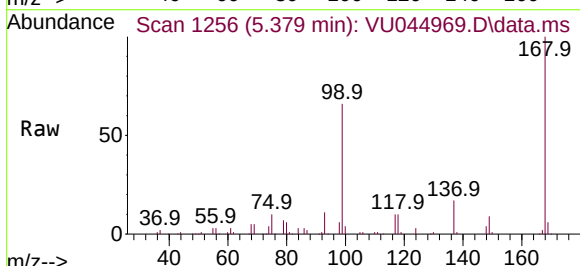
Tgt Ion: 75 Resp: 18126

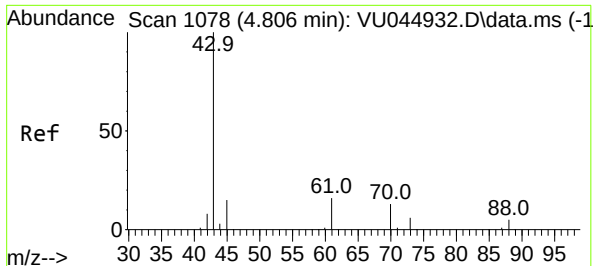
Ion Ratio Lower Upper

75 100

110 7.7 16.3 48.9#

77 0.0 25.0 37.4#

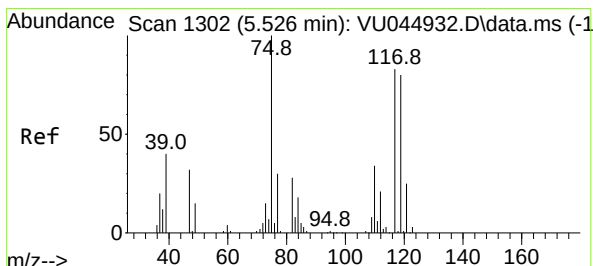
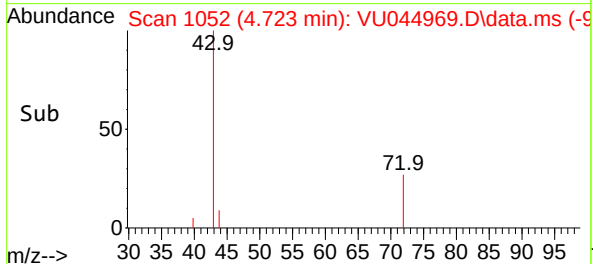
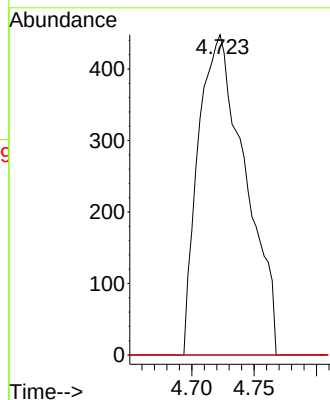
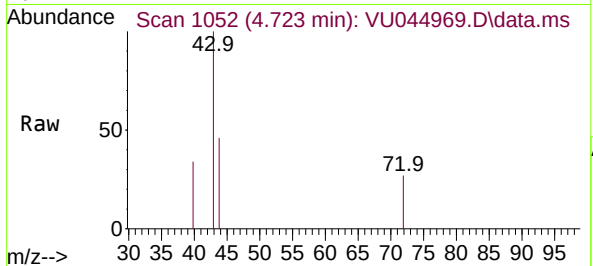




#37
Ethyl Acetate
Concen: 0.245 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. -0.083 min
Lab File: VU044969.D
Acq: 29 Sep 2021 02:55

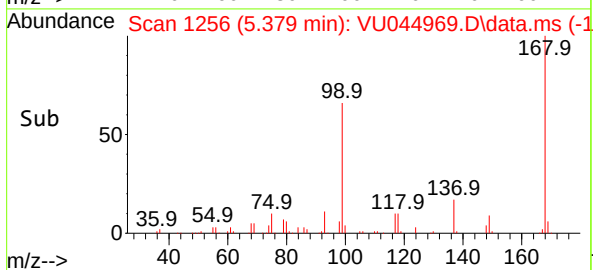
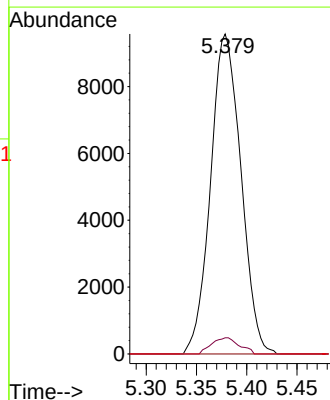
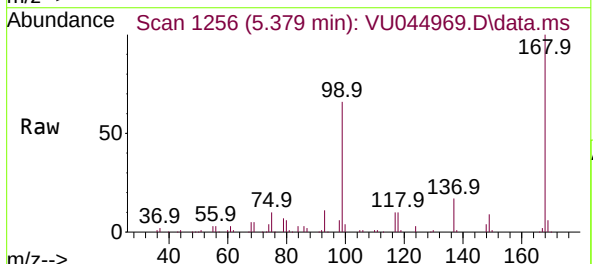
Instrument :
MSVOA_U
ClientSampleId :
EB-02-092321

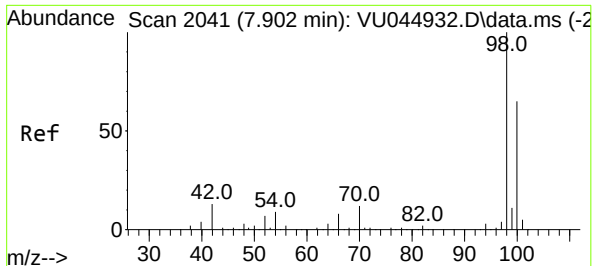
Tgt Ion: 43 Resp: 1172
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.416 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.147 min
Lab File: VU044969.D
Acq: 29 Sep 2021 02:55

Tgt Ion: 117 Resp: 20113
Ion Ratio Lower Upper
117 100
119 5.0 77.4 116.2#
121 0.0 24.5 36.7#

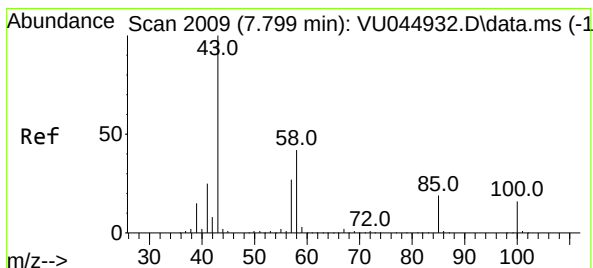
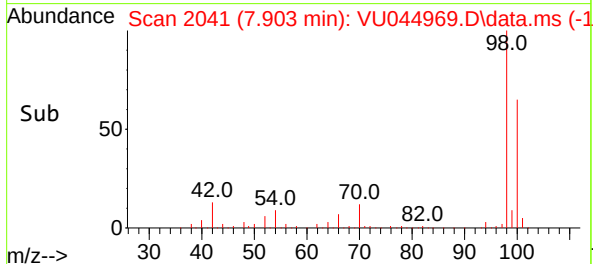
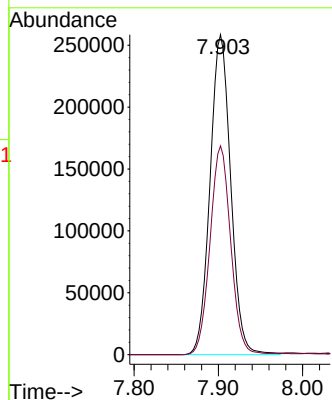
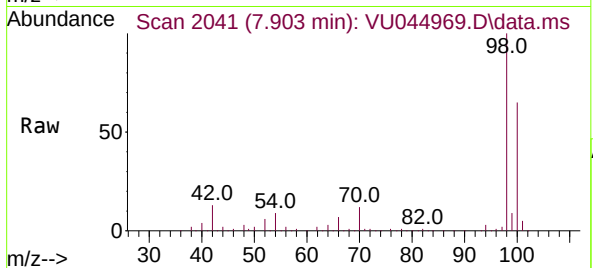




#50
Toluene-d8
Concen: 51.087 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU044969.D
Acq: 29 Sep 2021 02:55

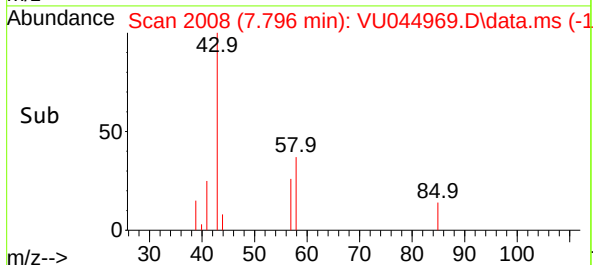
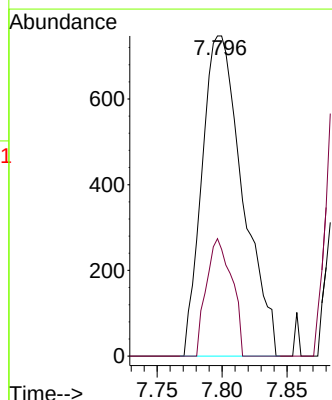
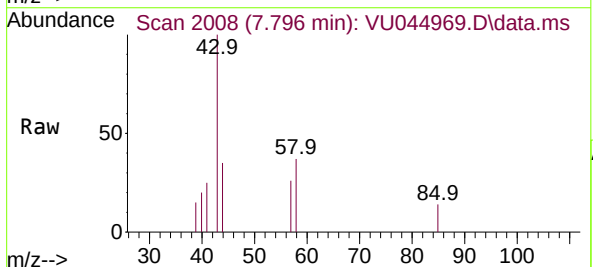
Instrument :
MSVOA_U
ClientSampleId :
EB-02-092321

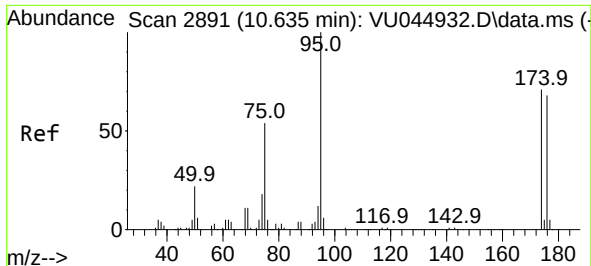
Tgt Ion: 98 Resp: 441126
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.311 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU044969.D
Acq: 29 Sep 2021 02:55

Tgt Ion: 43 Resp: 1634
Ion Ratio Lower Upper
43 100
58 22.8 32.4 48.6#





#62

4-Bromofluorobenzene

Concen: 46.231 ug/l

RT: 10.636 min Scan# 21

Delta R.T. 0.001 min

Lab File: VU044969.D

Acq: 29 Sep 2021 02:55

Instrument :

MSVOA_U

ClientSampleId :

EB-02-092321

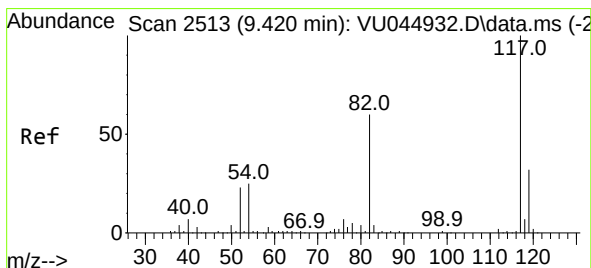
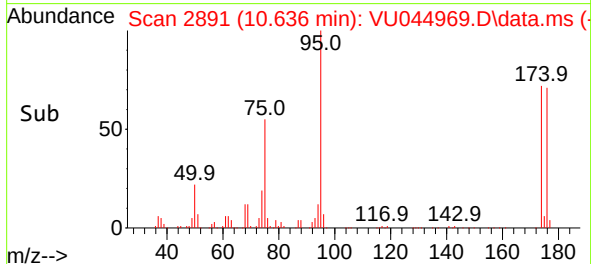
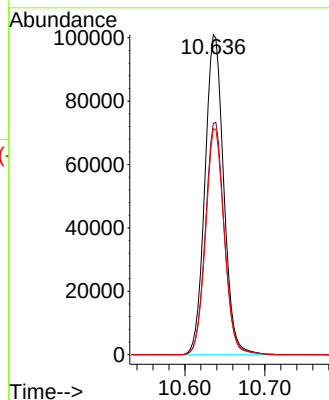
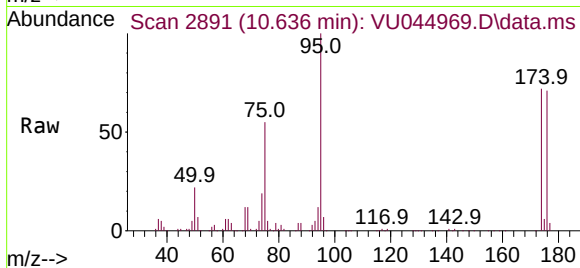
Tgt Ion: 95 Resp: 164809

Ion Ratio Lower Upper

95 100

174 72.9 0.0 146.6

176 70.2 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: VU044969.D

Acq: 29 Sep 2021 02:55

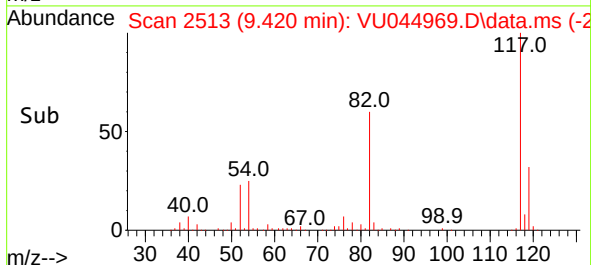
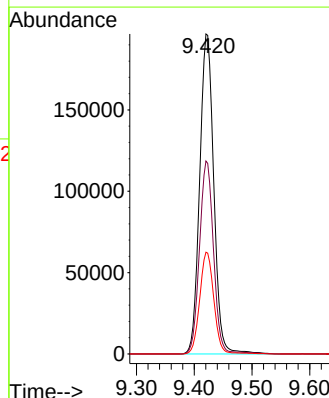
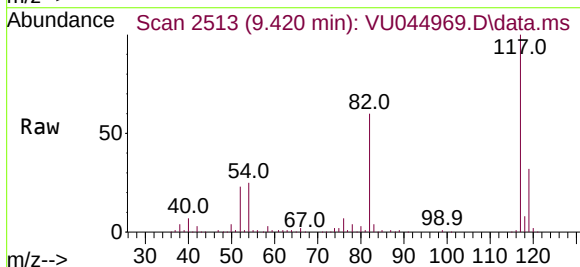
Tgt Ion: 117 Resp: 333646

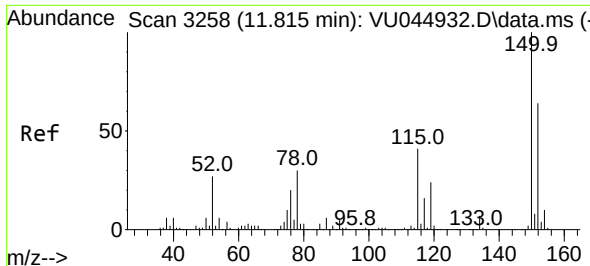
Ion Ratio Lower Upper

117 100

82 60.3 47.8 71.8

119 31.8 25.8 38.6

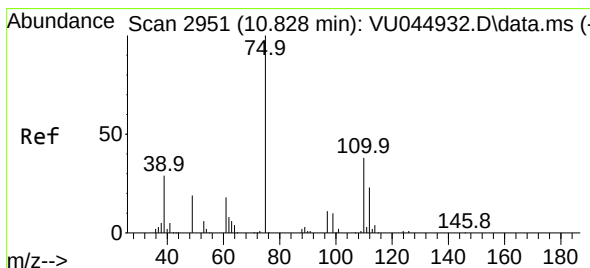
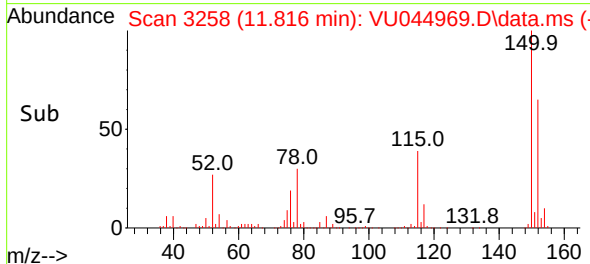
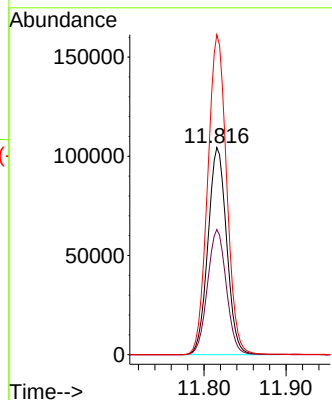
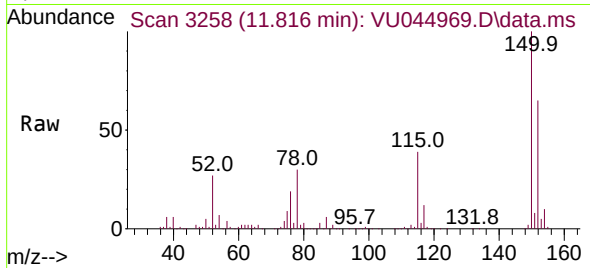




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: VU044969.D
 Acq: 29 Sep 2021 02:55

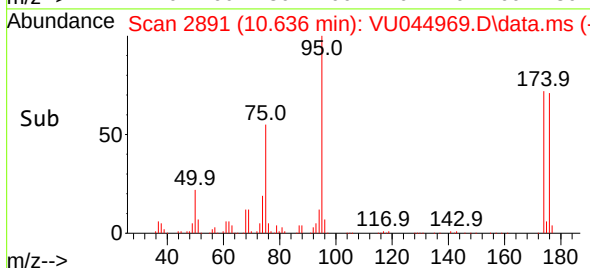
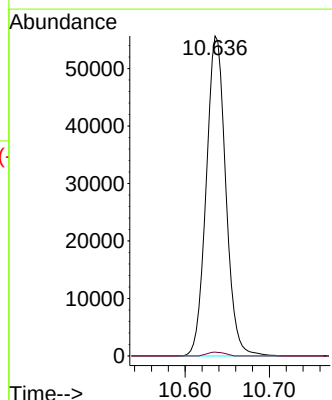
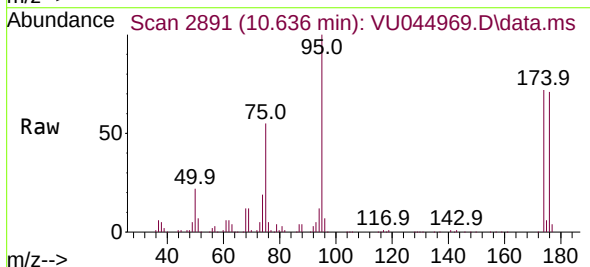
Instrument :
 MSVOA_U
 ClientSampleId :
 EB-02-092321

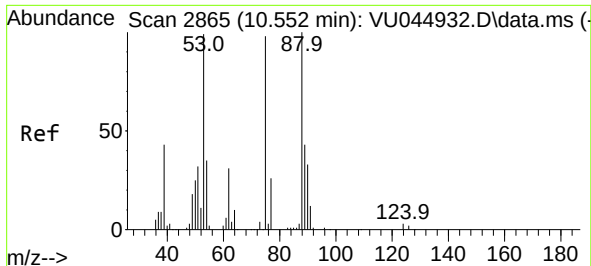
Tgt Ion:152 Resp: 165248
 Ion Ratio Lower Upper
 152 100
 115 61.2 43.5 130.7
 150 156.5 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 18.635 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU044969.D
 Acq: 29 Sep 2021 02:55

Tgt Ion: 75 Resp: 89818
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#

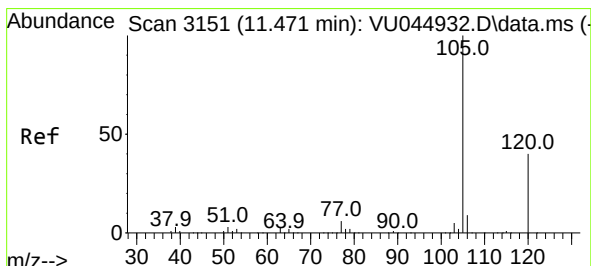
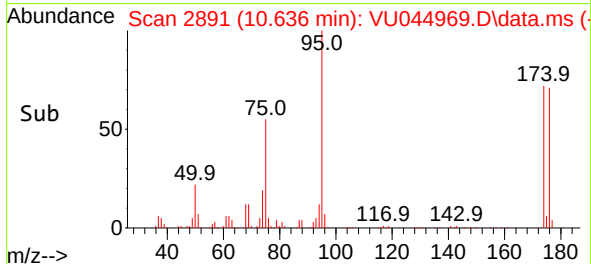
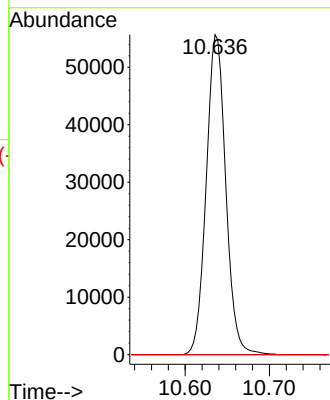
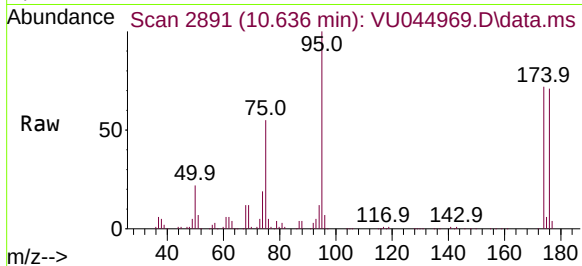




#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.714 ug/l
 RT: 10.636 min Scan# 2865
 Delta R.T. 0.084 min
 Lab File: VU044969.D
 Acq: 29 Sep 2021 02:55

Instrument :
 MSVOA_U
 ClientSampleId :
 EB-02-092321

Tgt Ion: 75 Resp: 89818
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.202 ug/l
 RT: 11.472 min Scan# 3151
 Delta R.T. 0.001 min
 Lab File: VU044969.D
 Acq: 29 Sep 2021 02:55

Tgt Ion: 105 Resp: 2151
 Ion Ratio Lower Upper
 105 100
 120 40.5 22.4 67.3

