

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045941.D
 Acq On : 23 Nov 2021 02:30
 Operator : SY/MD
 Sample : M4804-02 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 06:51:45 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

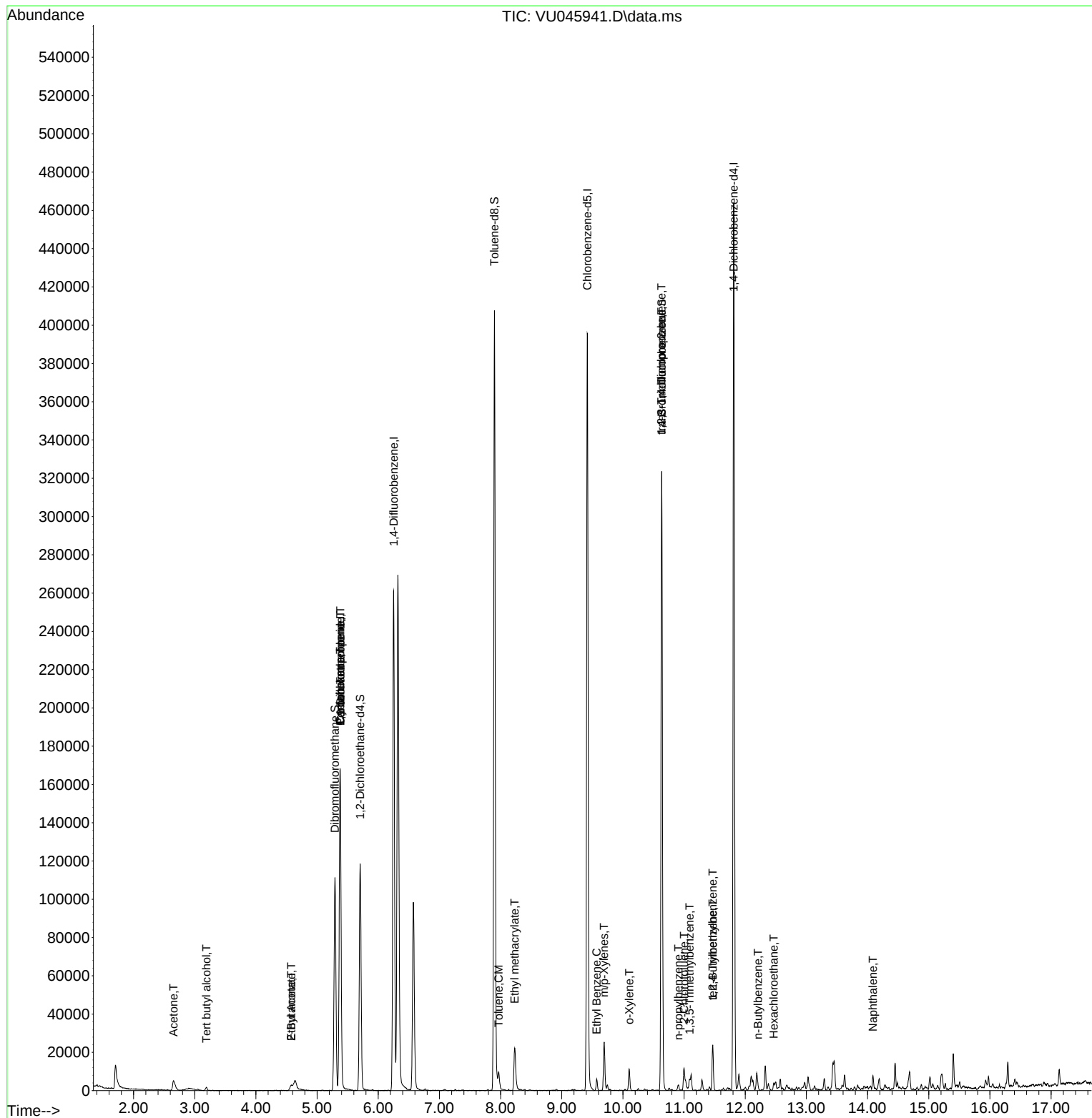
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	115926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	213679	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	225991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	118214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	89214	51.387	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.780%	
35) Dibromofluoromethane	5.292	113	72359	50.721	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.440%	
50) Toluene-d8	7.899	98	278110	52.425	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.860%	
62) 4-Bromofluorobenzene	10.635	95	110646	52.014	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.020%	
Target Compounds						Qvalue
11) Tert butyl alcohol	3.189	59	1102	3.207	ug/l #	72
16) Acetone	2.652	43	10615	12.011	ug/l	97
25) 2-Butanone	4.578	43	9605	7.836	ug/l #	47
31) Cyclohexane	5.375	56	2432	0.960	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	9899	4.751	ug/l #	49
37) Ethyl Acetate	4.578	43	9605	4.013	ug/l #	67
38) Carbon Tetrachloride	5.378	117	12142	5.780	ug/l #	15
52) Toluene	7.970	92	3487	0.923	ug/l	92
56) Ethyl methacrylate	8.230	69	4849	4.068	ug/l #	70
67) Ethyl Benzene	9.571	91	4803	0.604	ug/l	92
68) m/p-Xylenes	9.693	106	7203	2.403	ug/l	92
69) o-Xylene	10.102	106	3095	1.062	ug/l	95
76) 1,2,3-Trichloropropane	10.632	75	57862	16.140	ug/l #	42
78) n-propylbenzene	10.909	91	2818	0.293	ug/l	90
79) 2-Chlorotoluene	10.999	91	1616	0.285	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.089	105	3745	0.555	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.632	75	57862	52.703	ug/l #	12
83) tert-Butylbenzene	11.468	119	1601	0.249	ug/l #	60
84) 1,2,4-Trimethylbenzene	11.468	105	13656	2.036	ug/l	97
89) n-Butylbenzene	12.208	91	1893	0.276	ug/l #	50
90) Hexachloroethane	12.465	117	298	0.232	ug/l #	16
95) Naphthalene	14.089	128	5314	1.573	ug/l	97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
Data File : VU045941.D
Acq On : 23 Nov 2021 02:30
Operator : SY/MD
Sample : M4804-02 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Nov 23 06:51:45 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

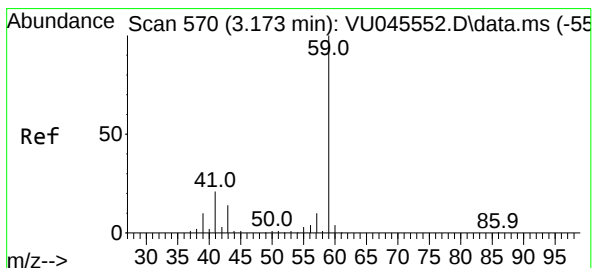
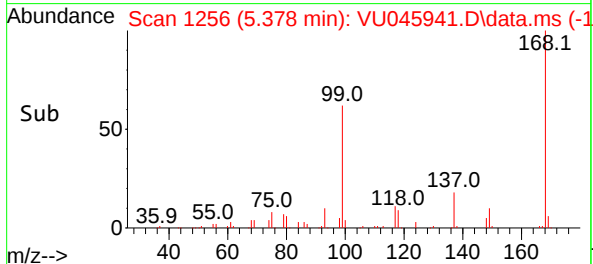
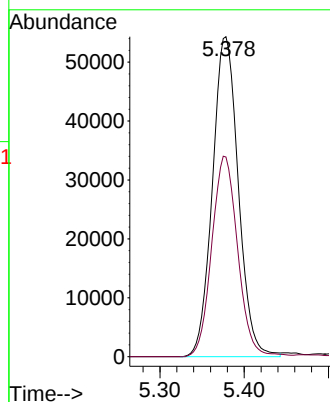
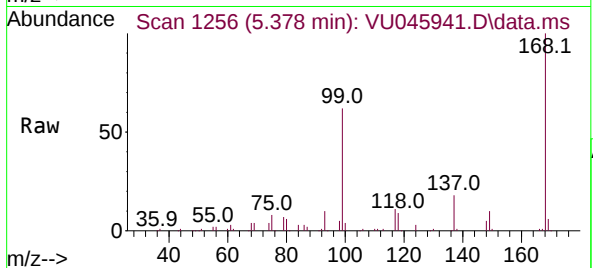




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

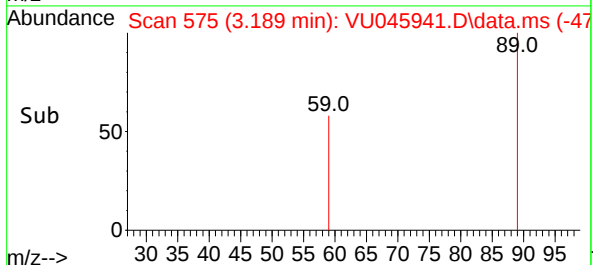
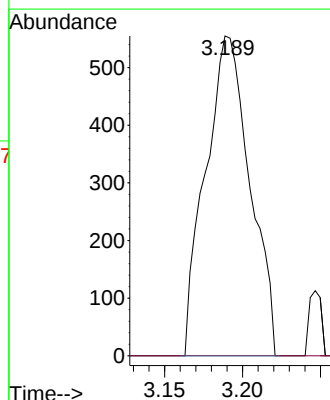
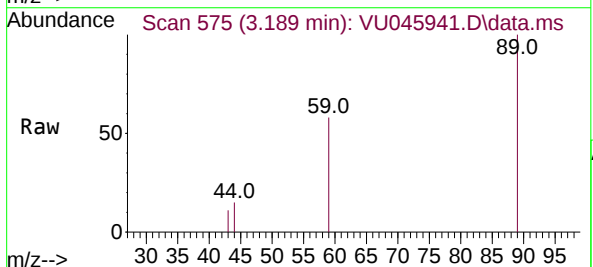
Instrument :
MSVOA_U
ClientSampleId :

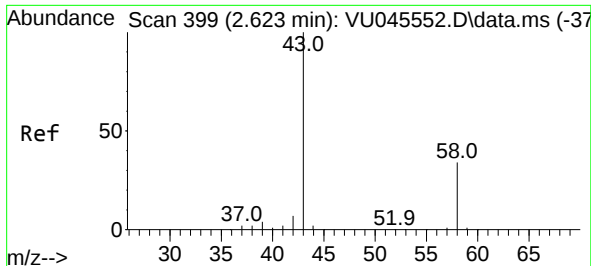
Tgt Ion:168 Resp: 115926
Ion Ratio Lower Upper
168 100
99 62.4 51.0 76.6



#11
Tert butyl alcohol
Concen: 3.207 ug/l
RT: 3.189 min Scan# 575
Delta R.T. 0.016 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

Tgt Ion: 59 Resp: 1102
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

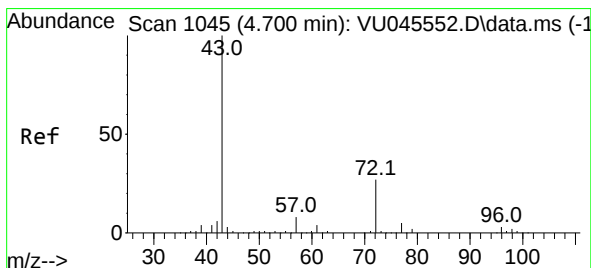
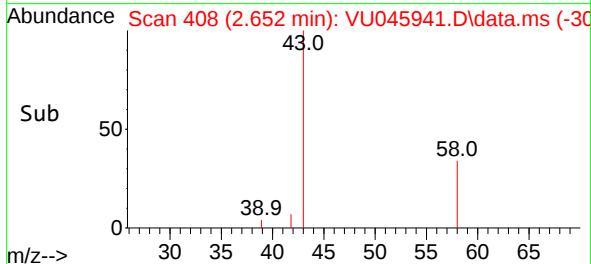
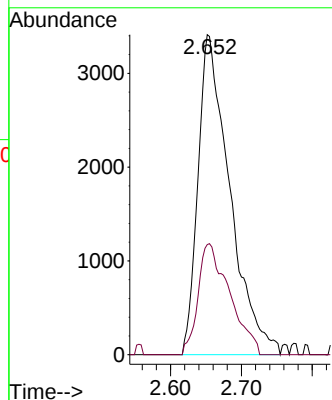
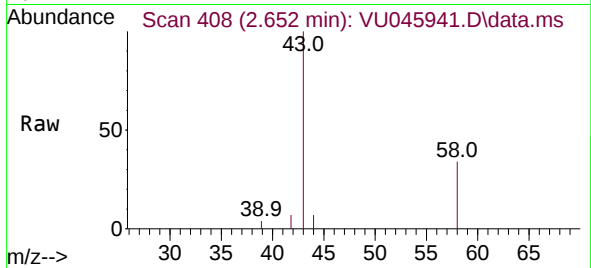




#16
Acetone
Concen: 12.011 ug/l
RT: 2.652 min Scan# 40
Delta R.T. 0.029 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

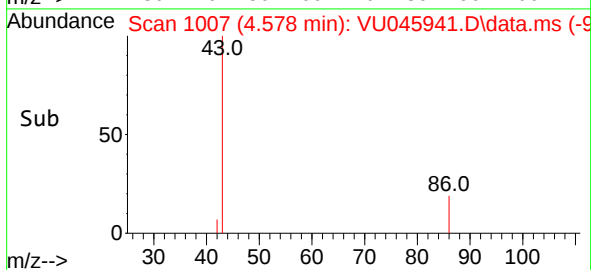
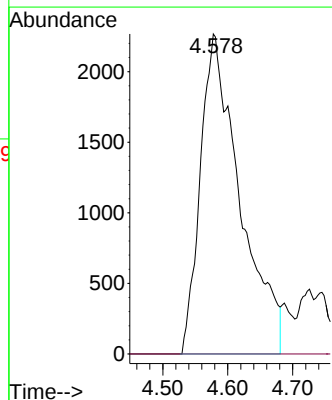
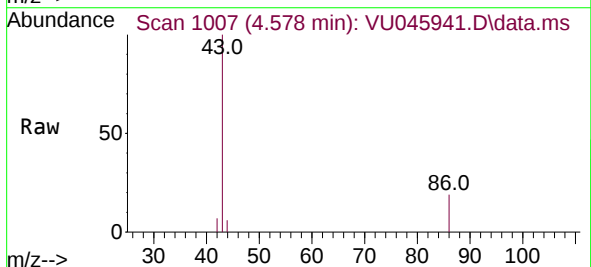
Instrument :
MSVOA_U
ClientSampleId :

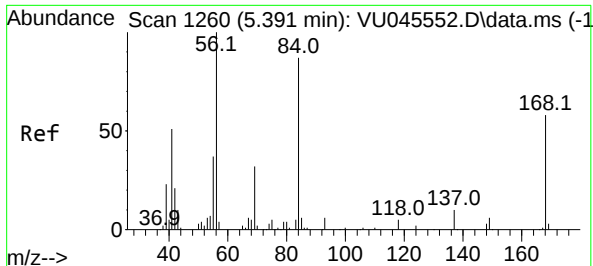
Tgt Ion: 43 Resp: 10615
Ion Ratio Lower Upper
43 100
58 34.4 26.2 39.2



#25
2-Butanone
Concen: 7.836 ug/l
RT: 4.578 min Scan# 1007
Delta R.T. -0.122 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

Tgt Ion: 43 Resp: 9605
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#





#31

Cyclohexane

Concen: 0.960 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.016 min

Lab File: VU045941.D

Acq: 23 Nov 2021 02:30

Instrument :

MSVOA_U

ClientSampleId :

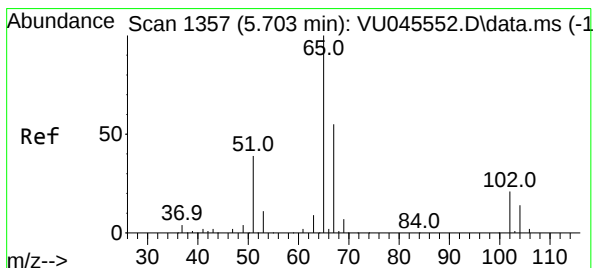
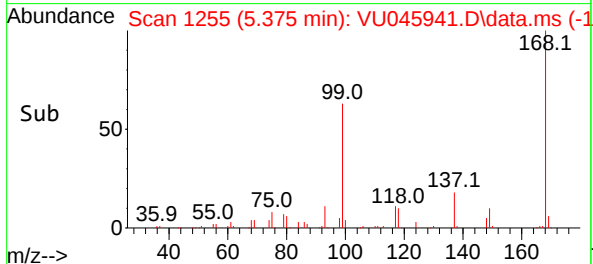
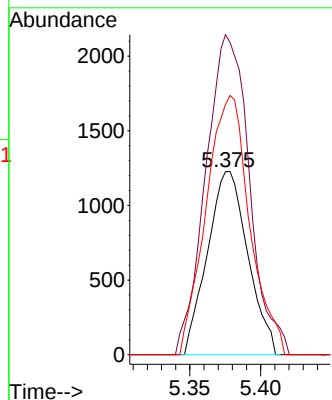
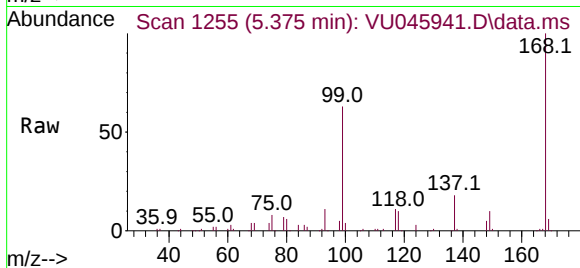
Tgt Ion: 56 Resp: 2432

Ion Ratio Lower Upper

56 100

69 163.1 26.4 39.6#

84 136.8 68.4 102.6#



#33

1,2-Dichloroethane-d4

Concen: 51.387 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. -0.000 min

Lab File: VU045941.D

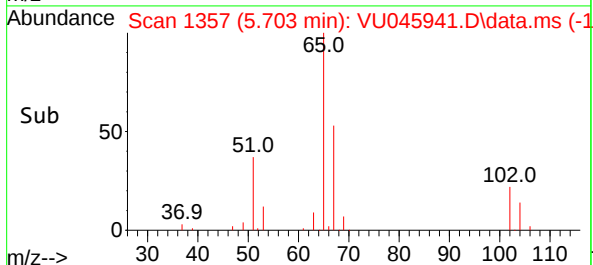
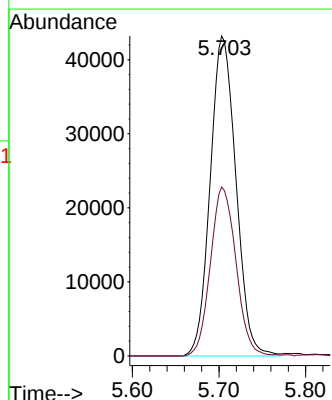
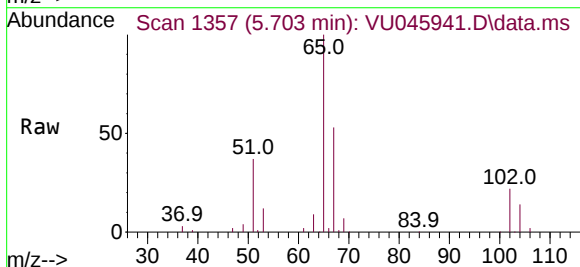
Acq: 23 Nov 2021 02:30

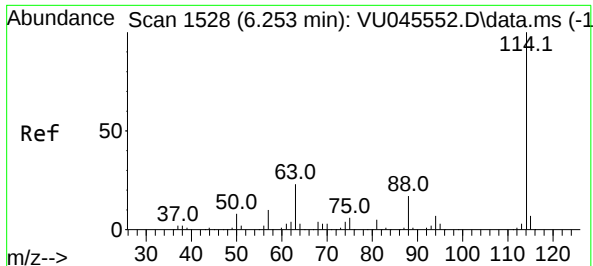
Tgt Ion: 65 Resp: 89214

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU045941.D

Acq: 23 Nov 2021 02:30

Instrument :

MSVOA_U

ClientSampleId :

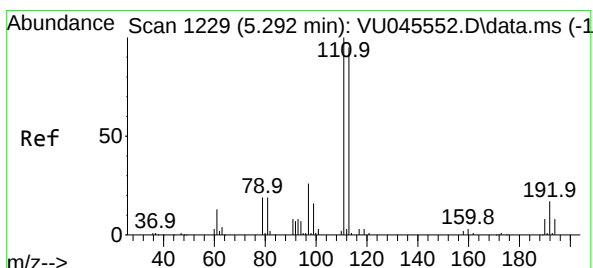
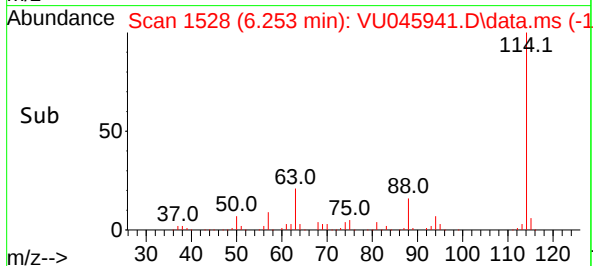
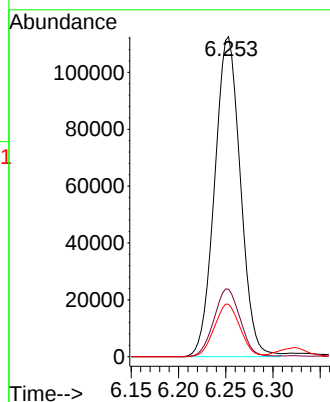
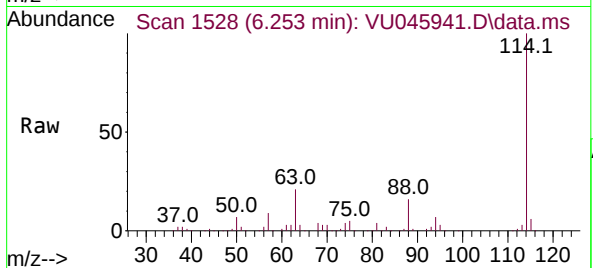
Tgt Ion:114 Resp: 213679

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.6

88 16.4 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.721 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045941.D

Acq: 23 Nov 2021 02:30

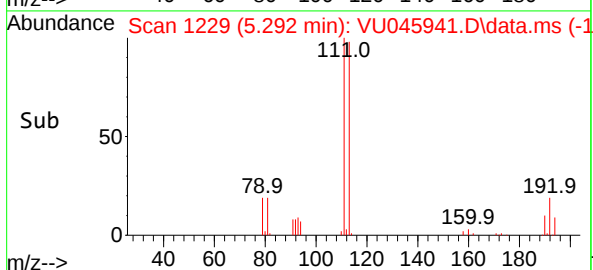
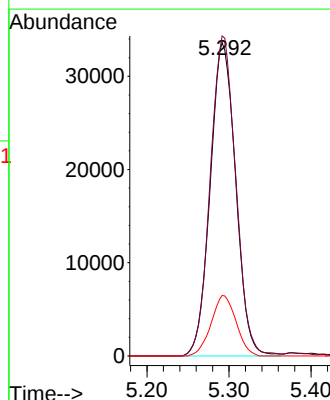
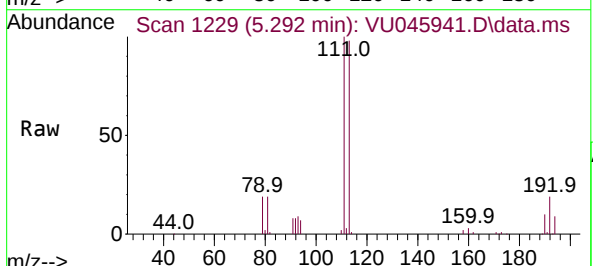
Tgt Ion:113 Resp: 72359

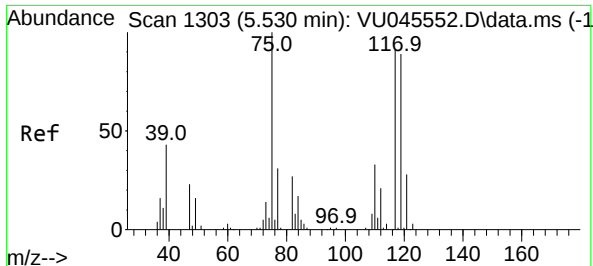
Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 18.9 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.751 ug/l

RT: 5.378 min Scan# 1

Delta R.T. -0.151 min

Lab File: VU045941.D

Acq: 23 Nov 2021 02:30

Instrument :

MSVOA_U

ClientSampleId :

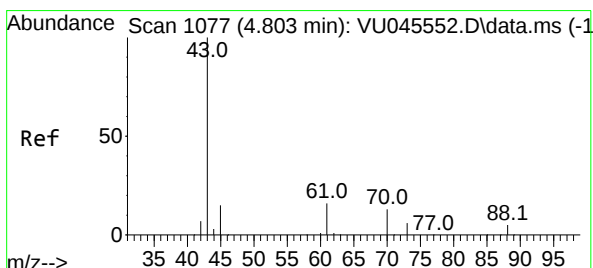
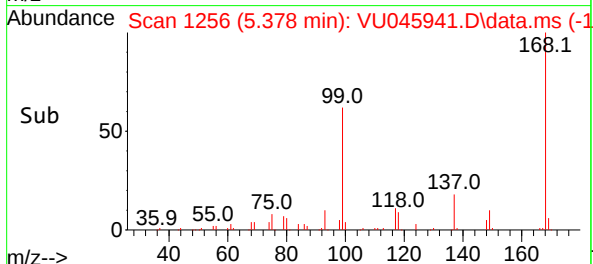
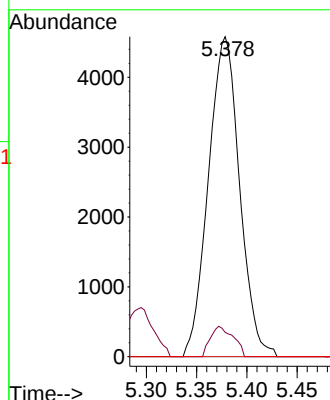
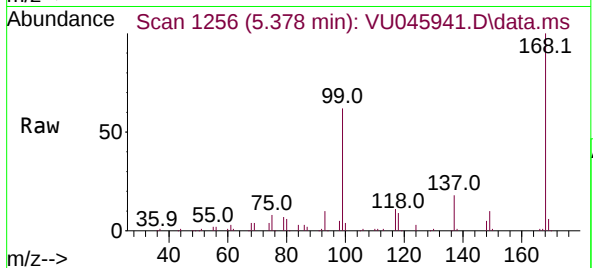
Tgt Ion: 75 Resp: 9899

Ion Ratio Lower Upper

75 100

110 6.9 16.7 50.0#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 4.013 ug/l

RT: 4.578 min Scan# 1007

Delta R.T. -0.225 min

Lab File: VU045941.D

Acq: 23 Nov 2021 02:30

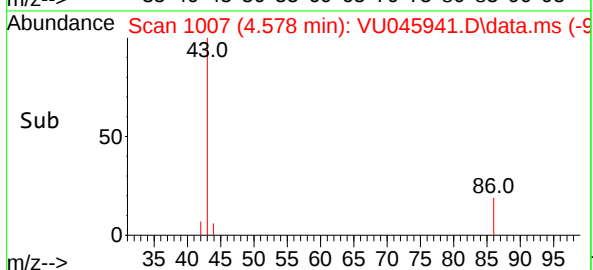
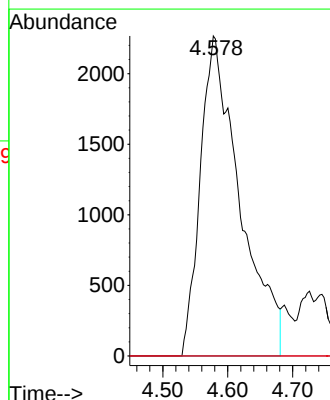
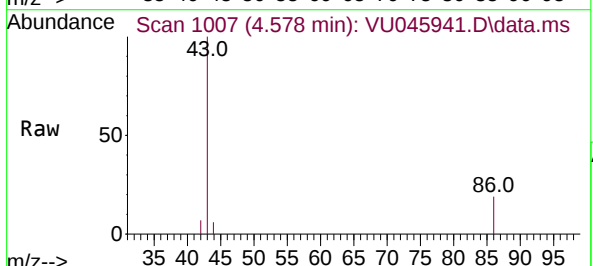
Tgt Ion: 43 Resp: 9605

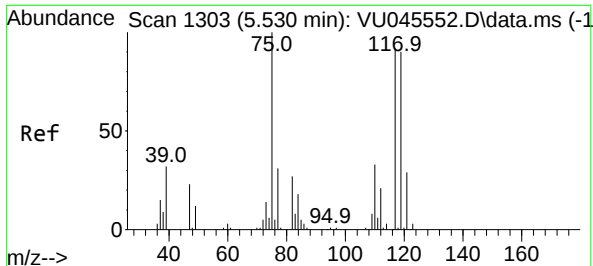
Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

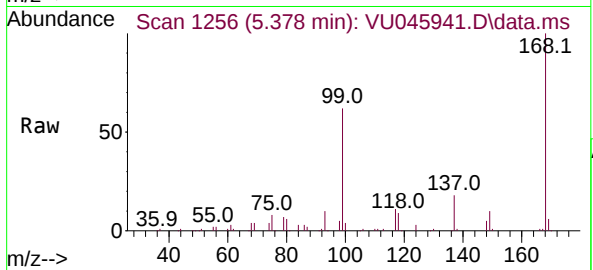
70 0.0 9.1 13.7#



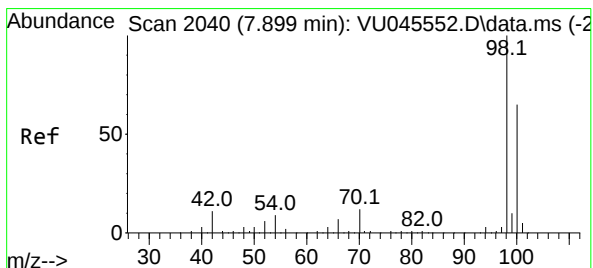
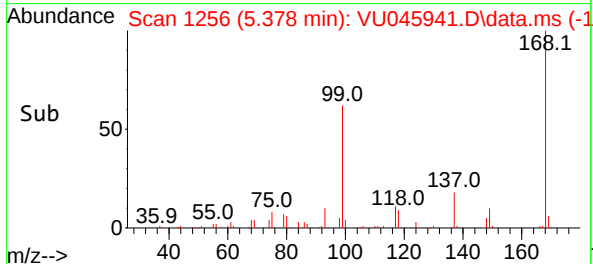
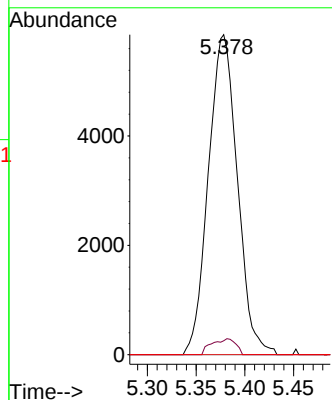


#38
Carbon Tetrachloride
Concen: 5.780 ug/l
RT: 5.378 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

Instrument :
MSVOA_U
ClientSampleId :

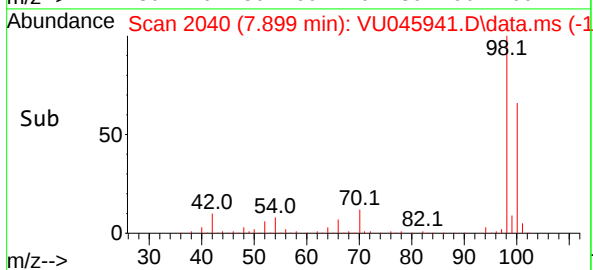
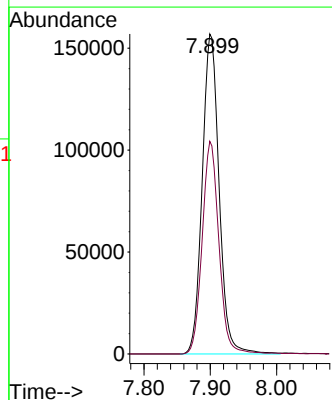
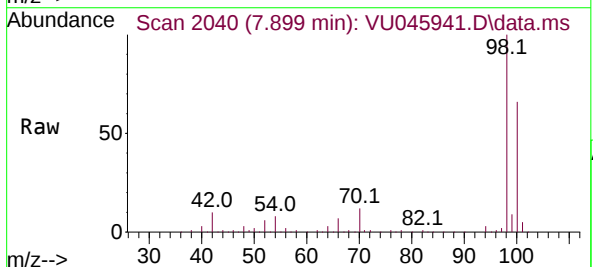


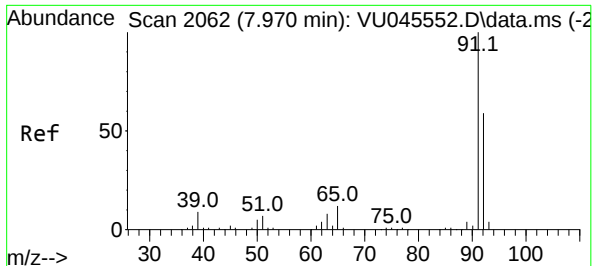
Tgt Ion:117 Resp: 12142
Ion Ratio Lower Upper
117 100
119 4.4 77.4 116.0#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.425 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

Tgt Ion: 98 Resp: 278110
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7

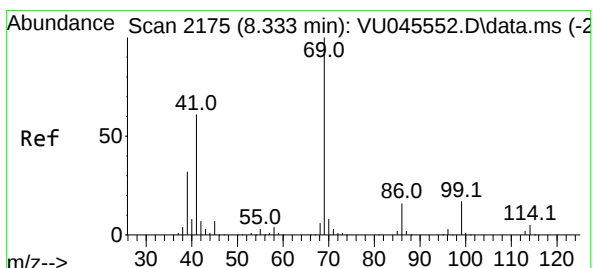
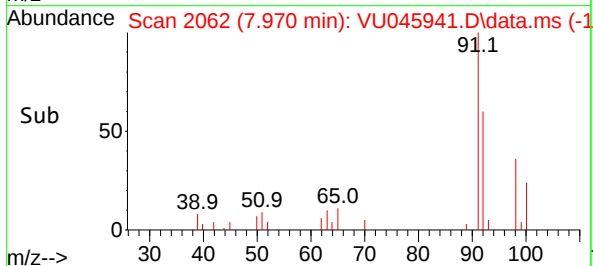
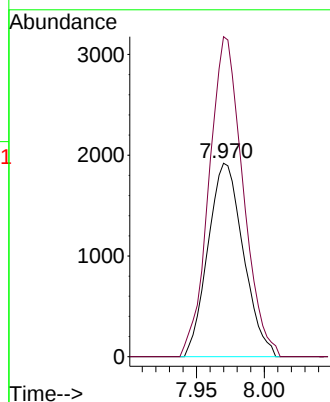
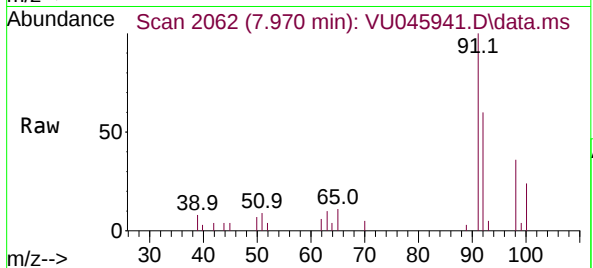




#52
Toluene
Concen: 0.923 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

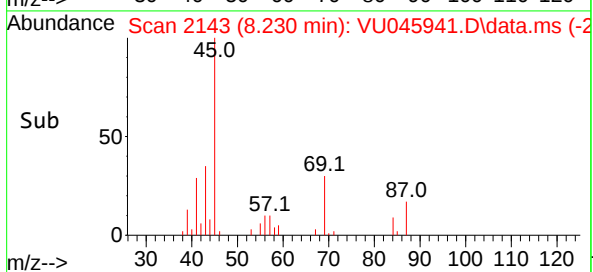
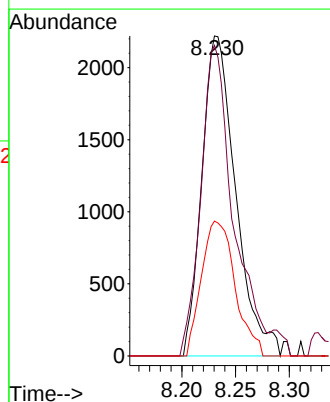
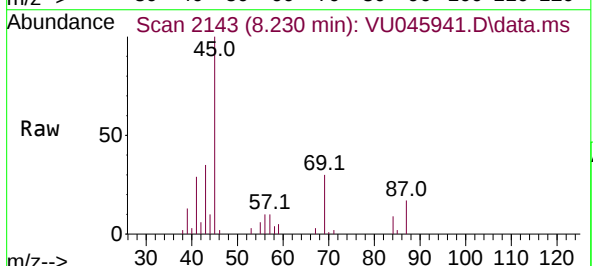
Instrument :
MSVOA_U
ClientSampleId :

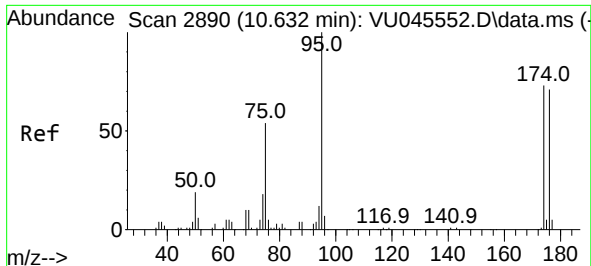
Tgt Ion: 92 Resp: 3487
Ion Ratio Lower Upper
92 100
91 158.6 135.6 203.4



#56
Ethyl methacrylate
Concen: 4.068 ug/l
RT: 8.230 min Scan# 2143
Delta R.T. -0.103 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

Tgt Ion: 69 Resp: 4849
Ion Ratio Lower Upper
69 100
41 93.0 51.0 76.4#
39 41.9 26.6 39.8#





#62

4-Bromofluorobenzene

Concen: 52.014 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. 0.003 min

Lab File: VU045941.D

Acq: 23 Nov 2021 02:30

Instrument :

MSVOA_U

ClientSampleId :

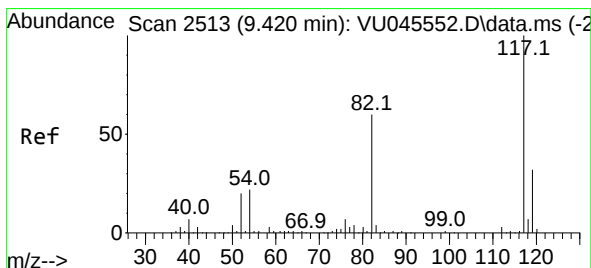
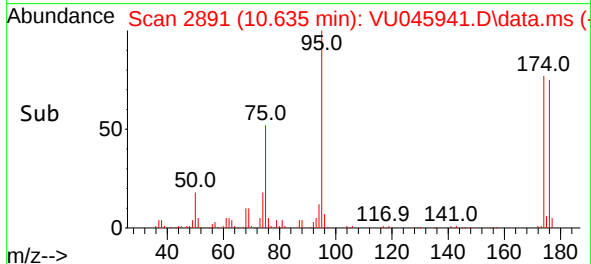
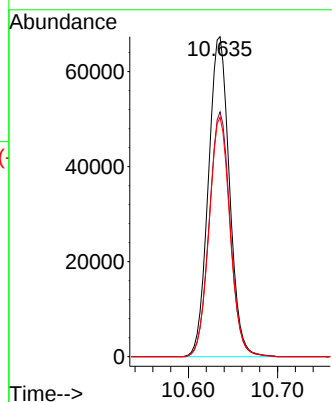
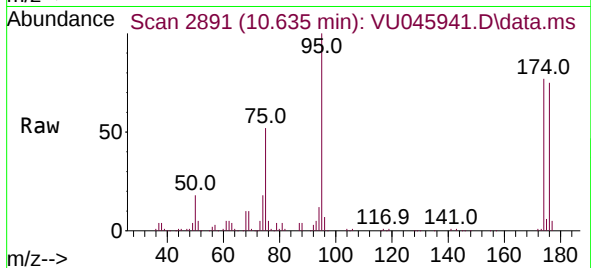
Tgt Ion: 95 Resp: 110646

Ion Ratio Lower Upper

95 100

174 76.1 0.0 141.8

176 74.5 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: VU045941.D

Acq: 23 Nov 2021 02:30

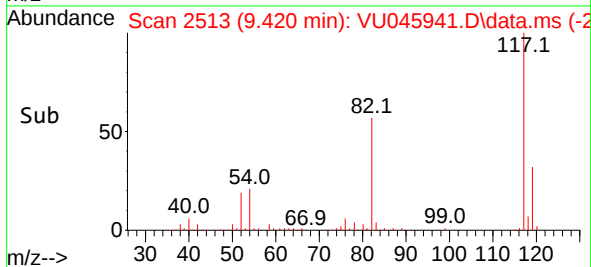
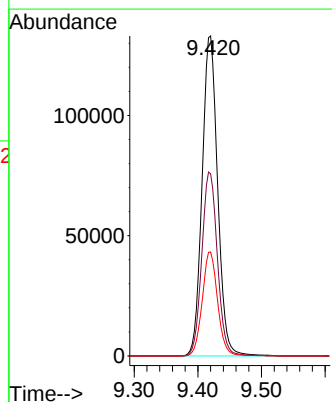
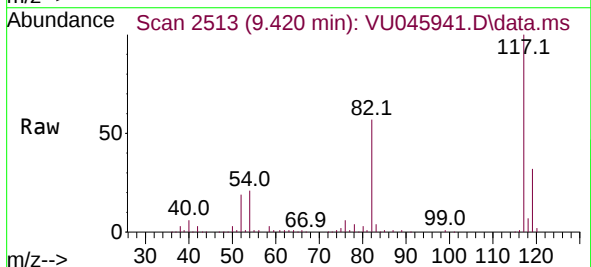
Tgt Ion: 117 Resp: 225991

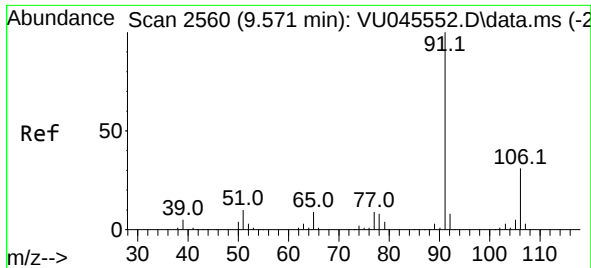
Ion Ratio Lower Upper

117 100

82 57.0 47.8 71.8

119 32.5 25.8 38.8





#67

Ethyl Benzene

Concen: 0.604 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. -0.000 min

Lab File: VU045941.D

Acq: 23 Nov 2021 02:30

Instrument :

MSVOA_U

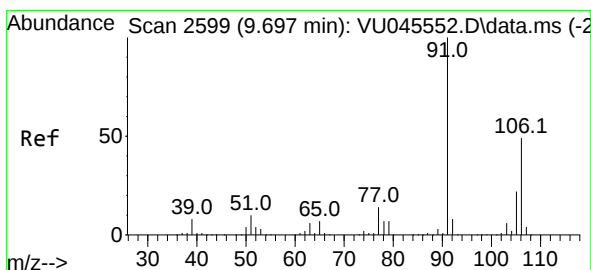
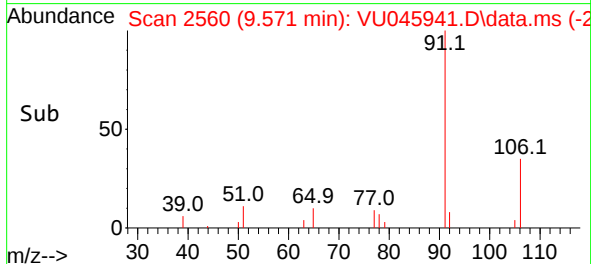
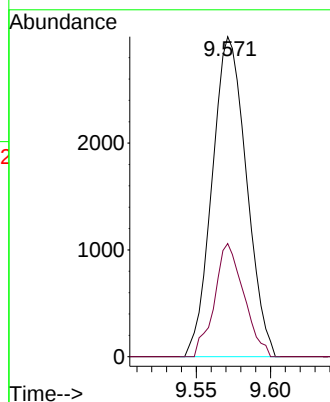
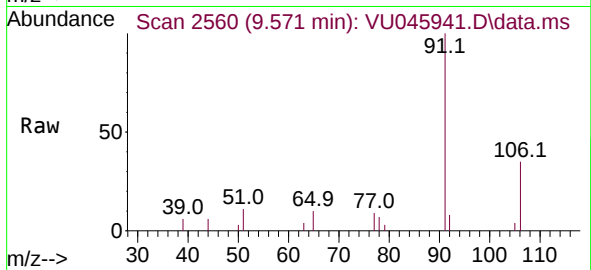
ClientSampleId :

Tgt Ion: 91 Resp: 4803

Ion Ratio Lower Upper

91 100

106 35.3 24.6 36.8



#68

m/p-Xylenes

Concen: 2.403 ug/l

RT: 9.693 min Scan# 2598

Delta R.T. -0.003 min

Lab File: VU045941.D

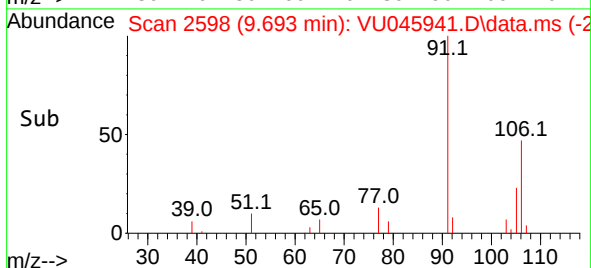
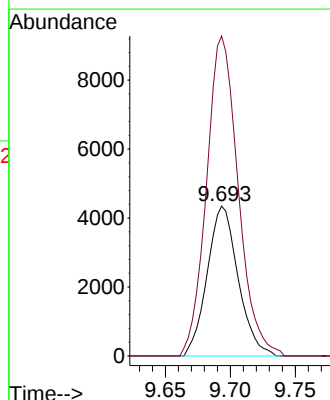
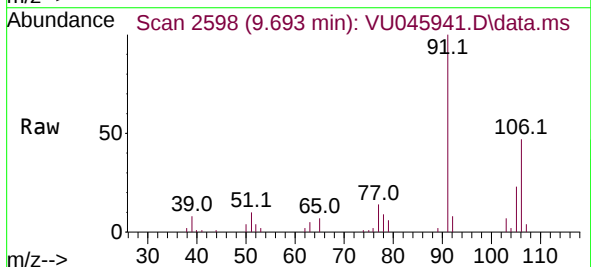
Acq: 23 Nov 2021 02:30

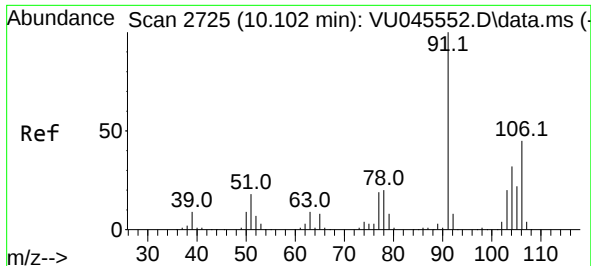
Tgt Ion: 106 Resp: 7203

Ion Ratio Lower Upper

106 100

91 218.4 164.7 247.1

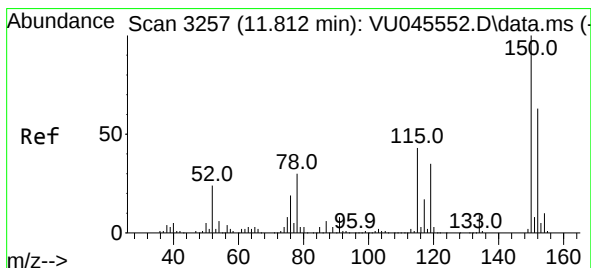
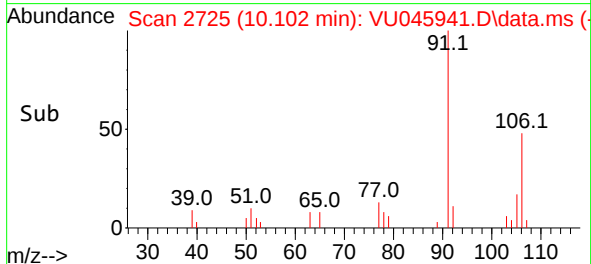
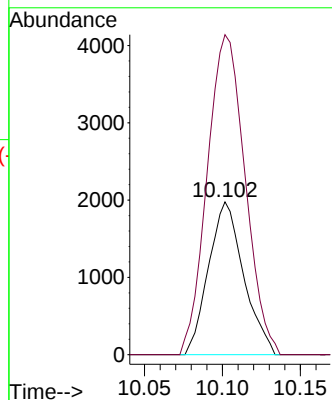
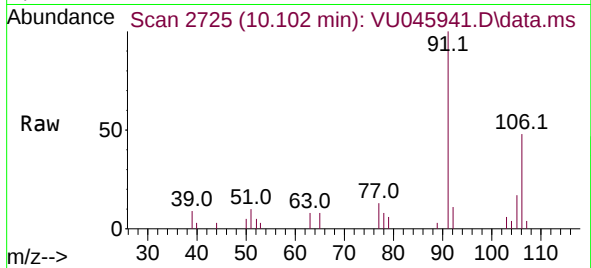




#69
o-Xylene
Concen: 1.062 ug/l
RT: 10.102 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

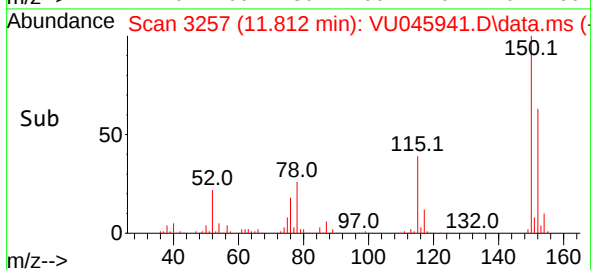
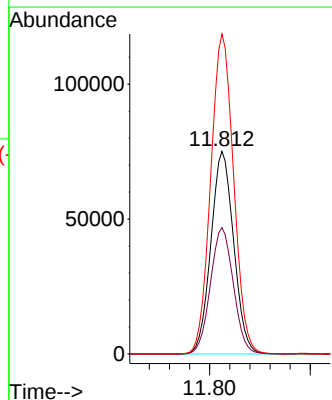
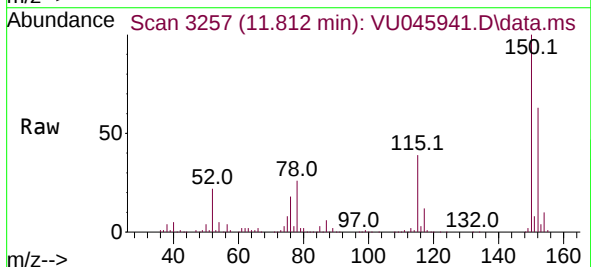
Instrument :
MSVOA_U
ClientSampleId :

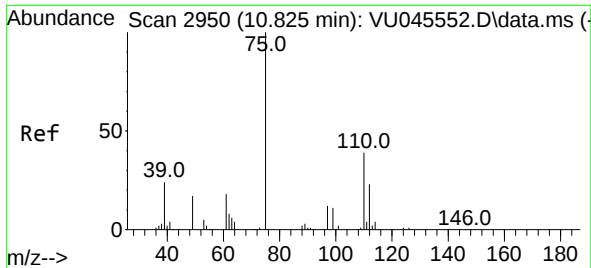
Tgt Ion:106 Resp: 3095
Ion Ratio Lower Upper
106 100
91 225.7 108.7 326.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

Tgt Ion:152 Resp: 118214
Ion Ratio Lower Upper
152 100
115 62.7 42.7 128.1
150 158.7 0.0 346.8

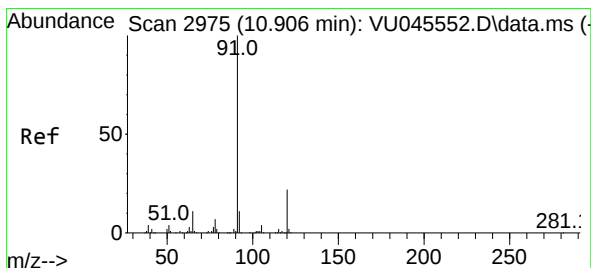
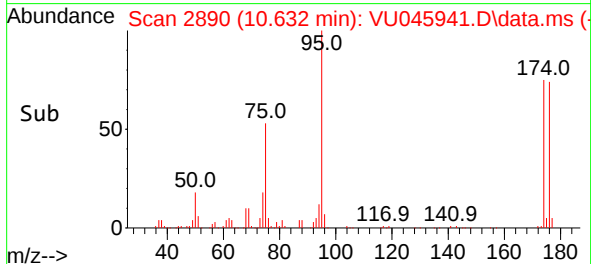
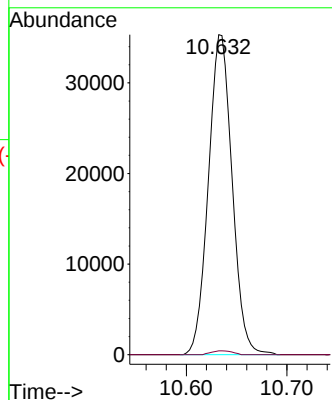
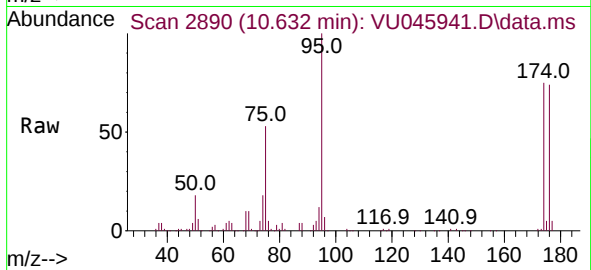




#76
1,2,3-Trichloropropane
Concen: 16.140 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.193 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

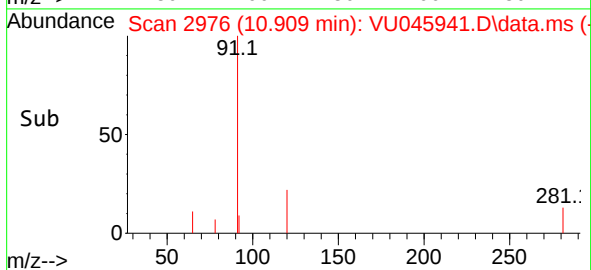
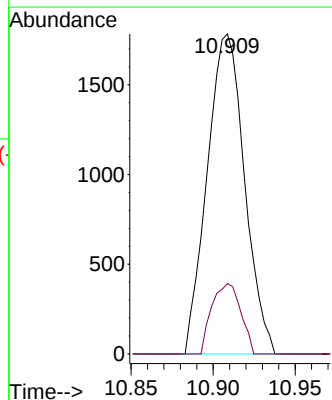
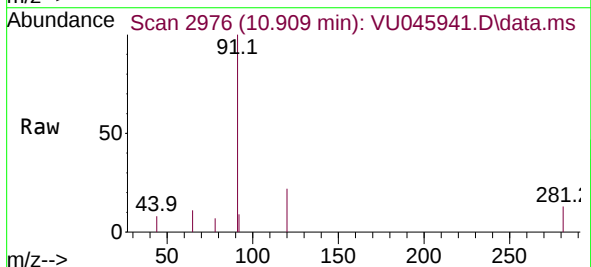
Instrument :
MSVOA_U
ClientSampleId :

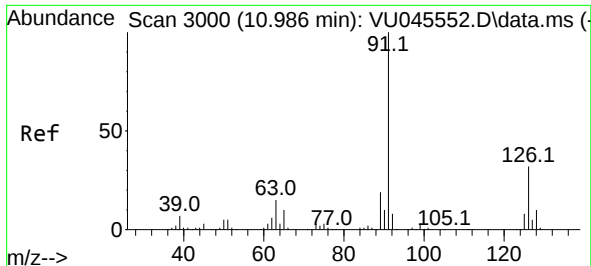
Tgt Ion: 75 Resp: 57862
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#



#78
n-propylbenzene
Concen: 0.293 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

Tgt Ion: 91 Resp: 2818
Ion Ratio Lower Upper
91 100
120 17.0 10.9 32.7





#79

2-Chlorotoluene

Concen: 0.285 ug/l

RT: 10.999 min Scan# 3000

Delta R.T. 0.013 min

Lab File: VU045941.D

Acq: 23 Nov 2021 02:30

Instrument :

MSVOA_U

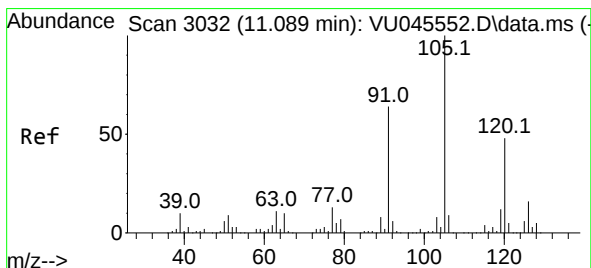
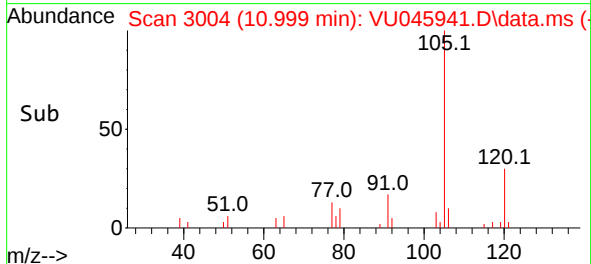
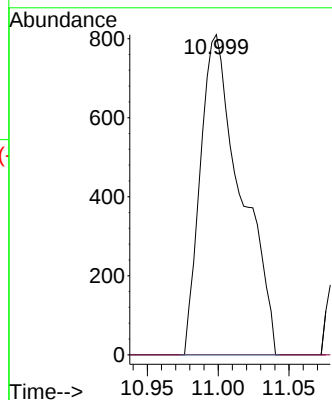
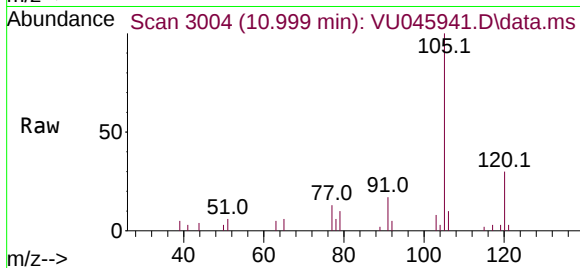
ClientSampleId :

Tgt Ion: 91 Resp: 1616

Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.555 ug/l

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU045941.D

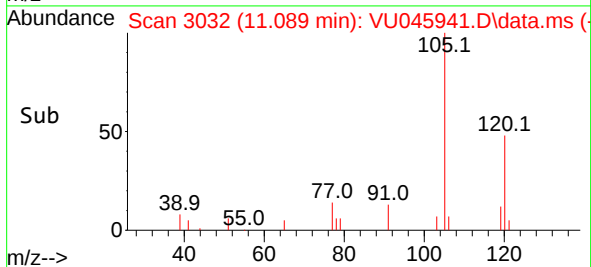
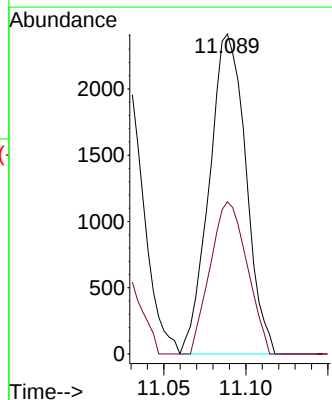
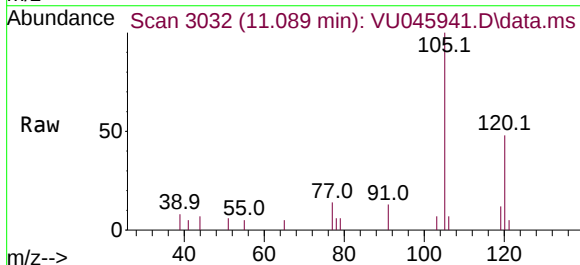
Acq: 23 Nov 2021 02:30

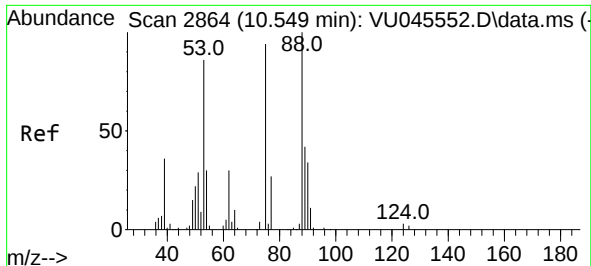
Tgt Ion: 105 Resp: 3745

Ion Ratio Lower Upper

105 100

120 47.9 23.9 71.8

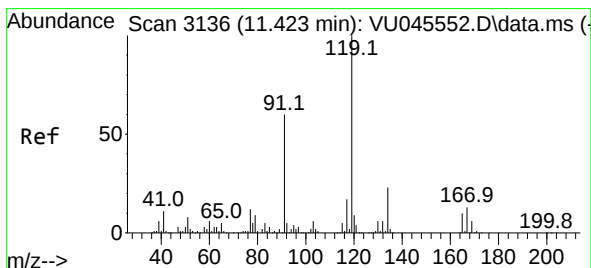
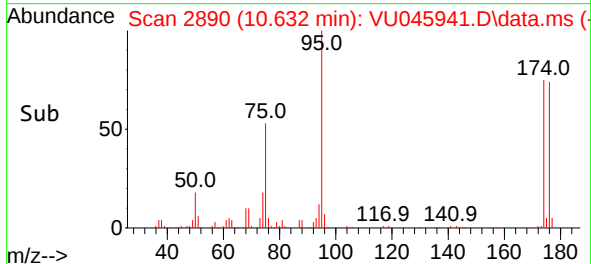
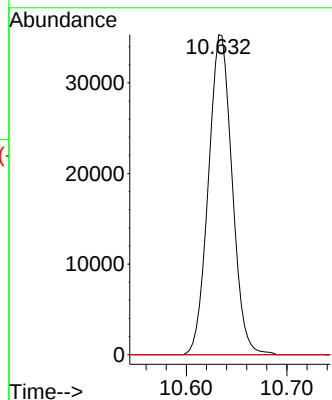
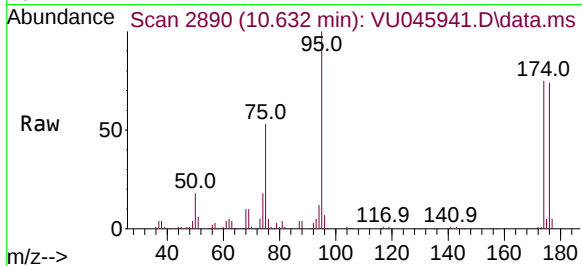




#81
trans-1,4-Dichloro-2-butene
Concen: 52.703 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.083 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

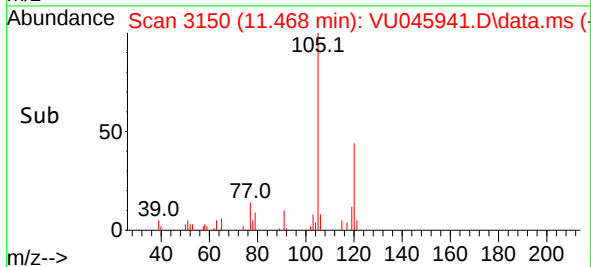
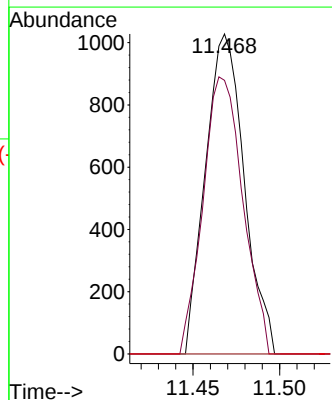
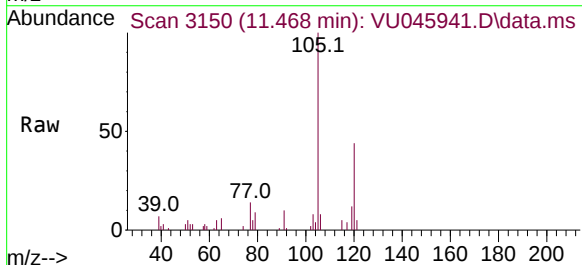
Instrument :
MSVOA_U
ClientSampleId :

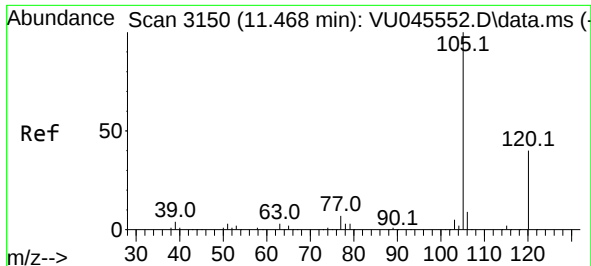
Tgt Ion: 75 Resp: 57862
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#83
tert-Butylbenzene
Concen: 0.249 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.045 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

Tgt Ion: 119 Resp: 1601
Ion Ratio Lower Upper
119 100
91 89.0 30.5 91.5
134 0.0 11.5 34.5#

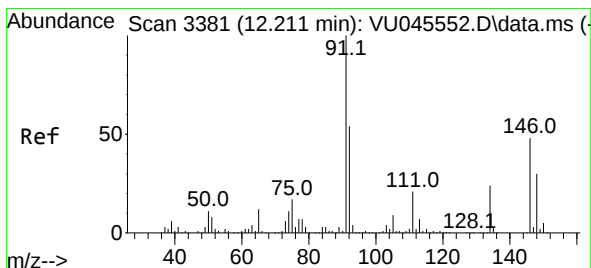
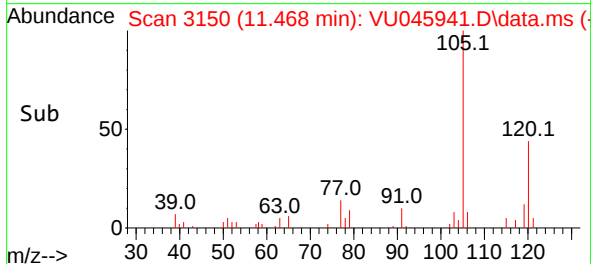
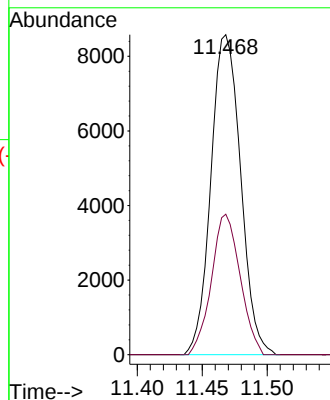
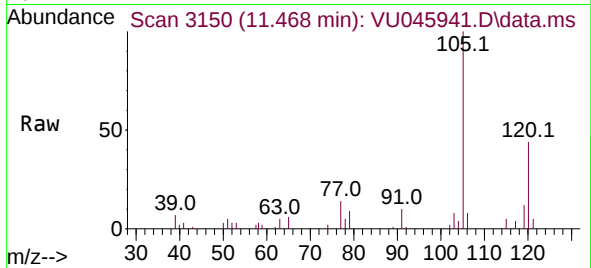




#84
1,2,4-Trimethylbenzene
Concen: 2.036 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

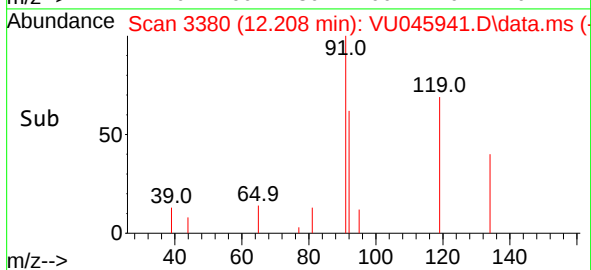
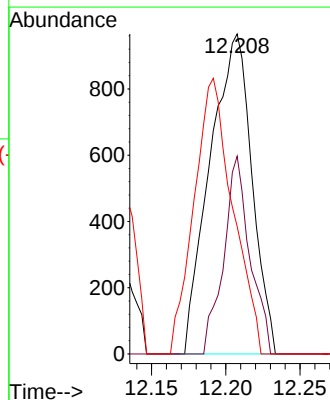
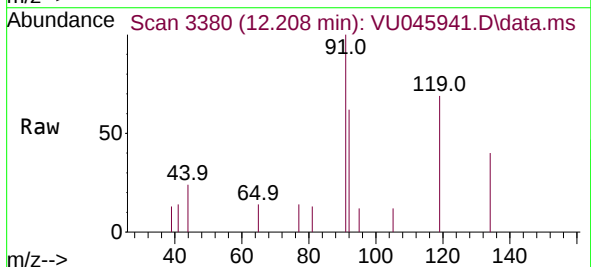
Instrument :
MSVOA_U
ClientSampleId :

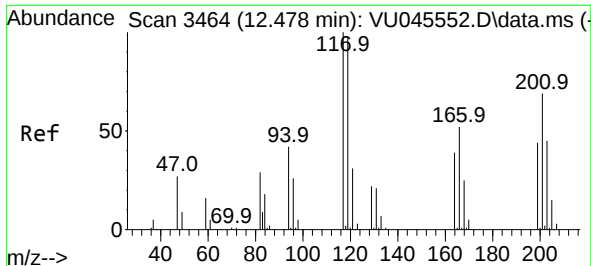
Tgt Ion:105 Resp: 13656
Ion Ratio Lower Upper
105 100
120 42.3 22.2 66.6



#89
n-Butylbenzene
Concen: 0.276 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

Tgt Ion: 91 Resp: 1893
Ion Ratio Lower Upper
91 100
92 38.7 27.1 81.2
134 79.5 11.8 35.4#

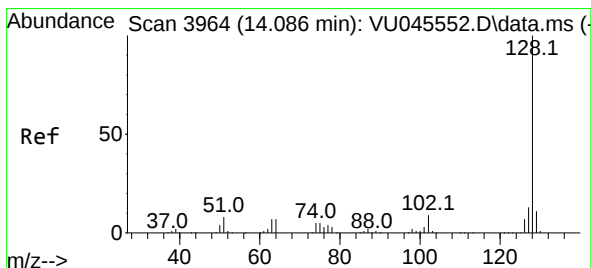
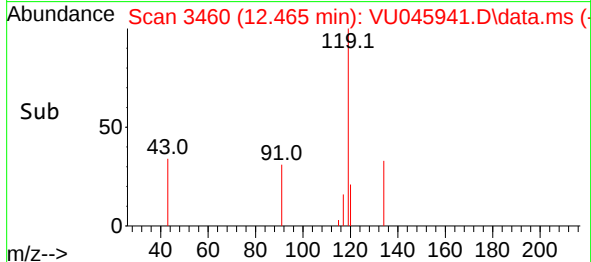
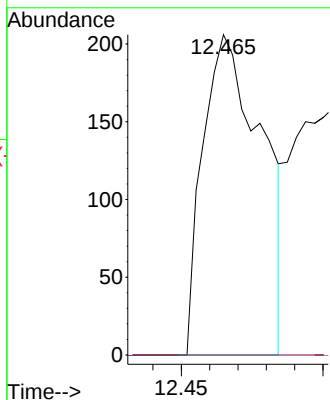
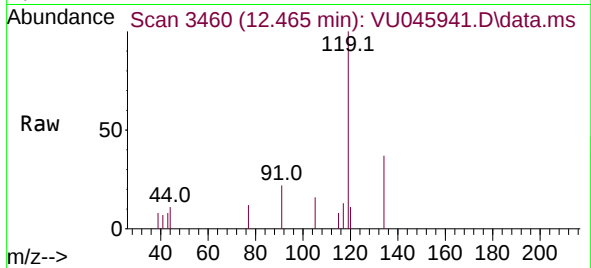




#90
Hexachloroethane
Concen: 0.232 ug/l
RT: 12.465 min Scan# 3465
Delta R.T. -0.013 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:117 Resp: 298
Ion Ratio Lower Upper
117 100
201 0.0 33.8 101.4#



#95
Naphthalene
Concen: 1.573 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU045941.D
Acq: 23 Nov 2021 02:30

Tgt Ion:128 Resp: 5314
Ion Ratio Lower Upper
128 100
127 11.9 10.6 15.8
129 9.8 8.6 13.0

