

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050721\
 Data File : VU043602.D
 Acq On : 07 May 2021 11:07
 Operator : SY/MD
 Sample : VU0507WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0507WBL01

Quant Time: May 08 01:05:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 06 07:26:23 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

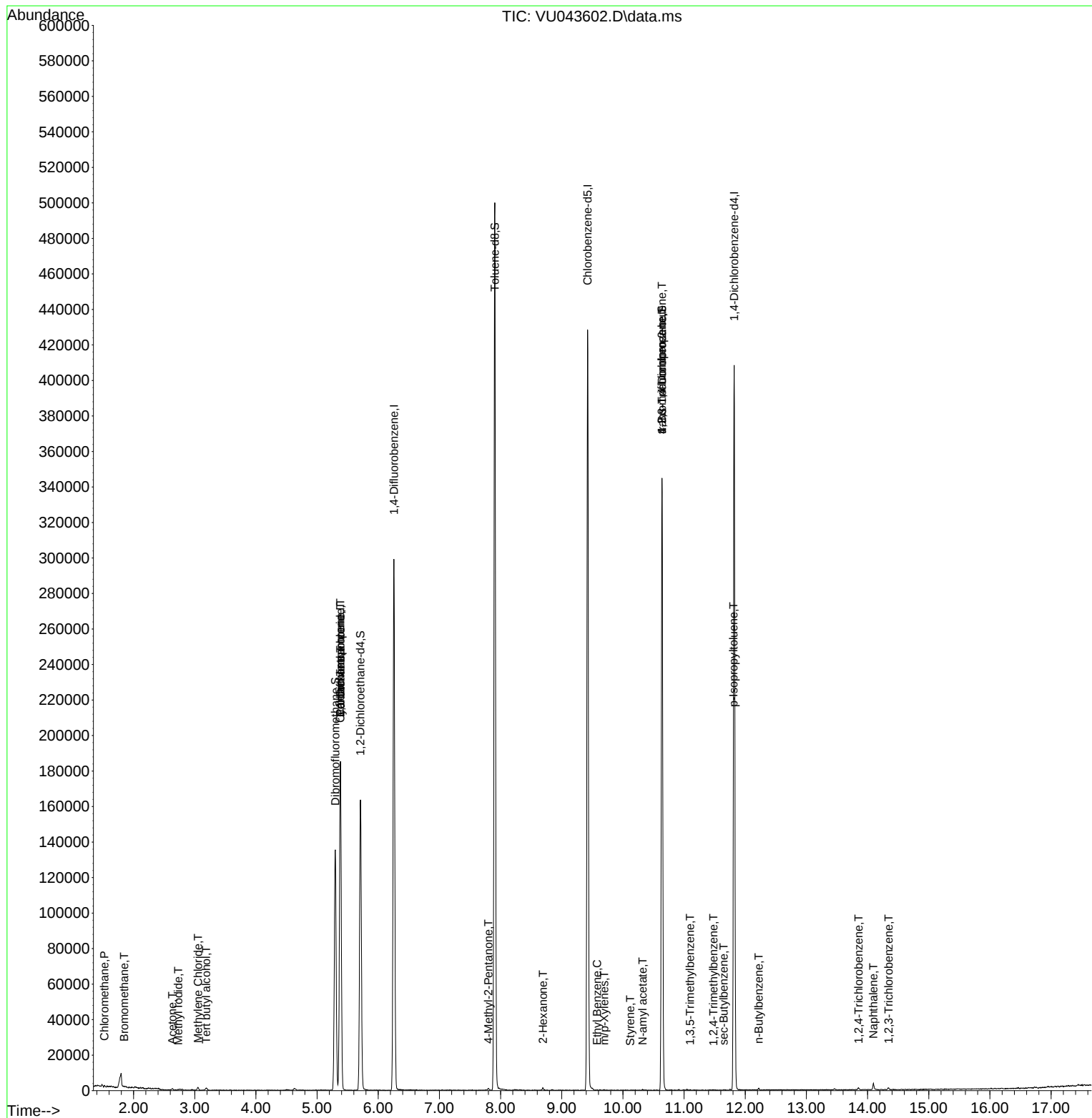
Internal Standards						
1) Pentafluorobenzene	5.382	168	119775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	213418	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	209252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	94412	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	125334	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.38%	
35) Dibromofluoromethane	5.298	113	84624	49.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.44%	
50) Toluene-d8	7.906	98	300507	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	10.639	95	105399	45.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.82%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	597	0.58	ug/l	89
5) Bromomethane	1.848	94	423	0.40	ug/l #	65
10) Methyl Iodide	2.732	142	422	0.24	ug/l #	59
11) Tert butyl alcohol	3.186	59	574	0.88	ug/l #	73
16) Acetone	2.633	43	958	0.71	ug/l #	48
20) Methylene Chloride	3.054	84	725	0.38	ug/l #	76
31) Cyclohexane	5.379	56	3228	1.12	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	11143	4.60	ug/l #	49
38) Carbon Tetrachloride	5.382	117	12730	5.18	ug/l #	17
51) 4-Methyl-2-Pentanone	7.800	43	967	19.37	ug/l #	75
59) 2-Hexanone	8.694	43	1170	20.98	ug/l	94
67) Ethyl Benzene	9.578	91	145	1.47	ug/l #	45
68) m/p-Xylenes	9.697	106	52	2.35	ug/l #	5
70) Styrene	10.121	104	40	2.70	ug/l #	23
74) N-amyl acetate	10.324	43	314	2.58	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	60391	20.12	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.099	105	22	0.74	ug/l #	31
81) trans-1,4-Dichloro-2-b...	10.639	75	60391	65.51	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.481	105	165	1.14	ug/l #	33
85) sec-Butylbenzene	11.648	105	255	1.37	ug/l #	59
86) p-Isopropyltoluene	11.806	119	235	1.51	ug/l #	1
89) n-Butylbenzene	12.221	91	413	2.59	ug/l #	64
93) 1,2,4-Trichlorobenzene	13.854	180	537	0.24	ug/l	92
95) Naphthalene	14.095	128	3170	1.91	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.343	180	653	0.30	ug/l #	90

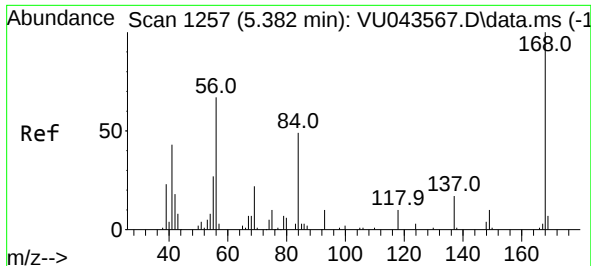
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VU0507WBL01

Quant Time: May 08 01:05:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260
QLast Update : Thu May 06 07:26:23 2021
Response via : Initial Calibration

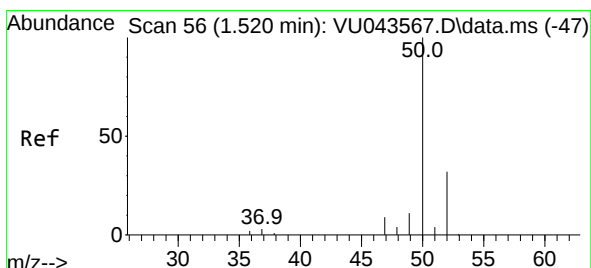
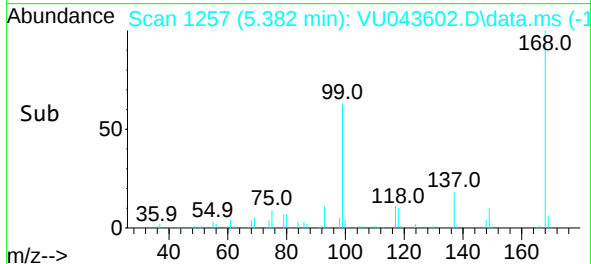
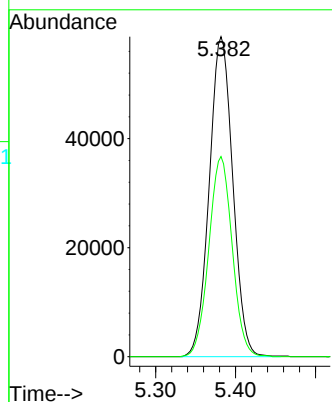
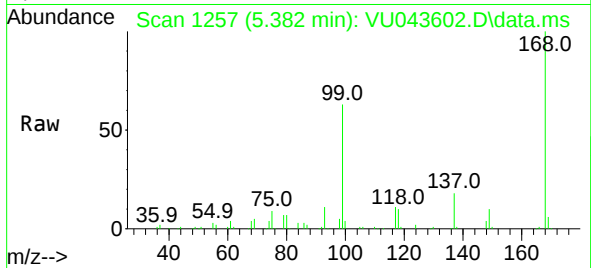




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

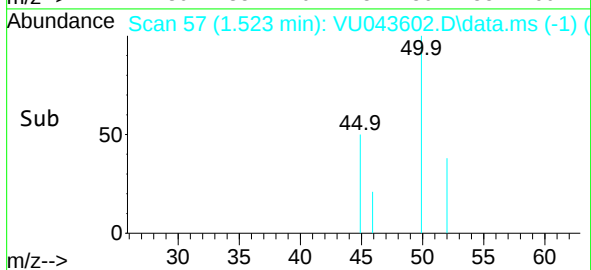
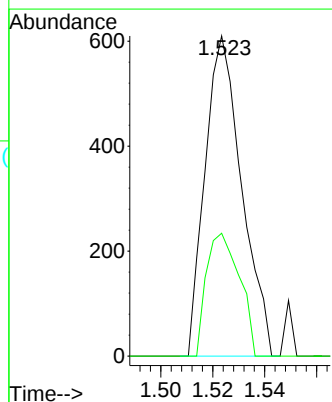
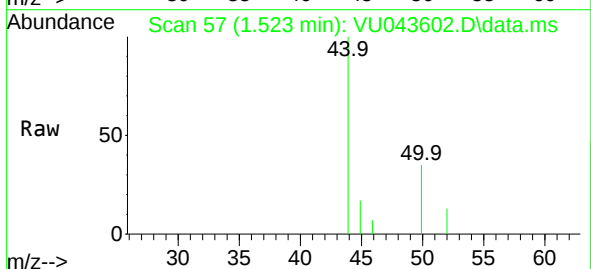
Instrument :
MSVOA_U
ClientSampleId :
VU0507WBL01

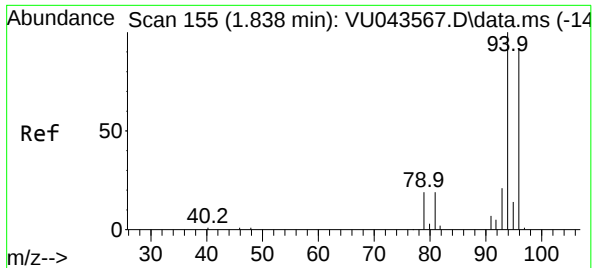
Tgt Ion:168 Resp: 119775
Ion Ratio Lower Upper
168 100
99 62.5 49.0 73.6



#3
Chloromethane
Concen: 0.58 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Tgt Ion: 50 Resp: 597
Ion Ratio Lower Upper
50 100
52 38.4 25.9 38.9

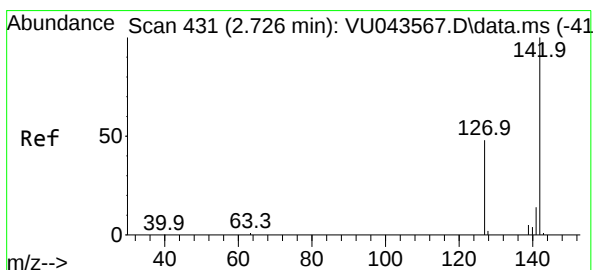
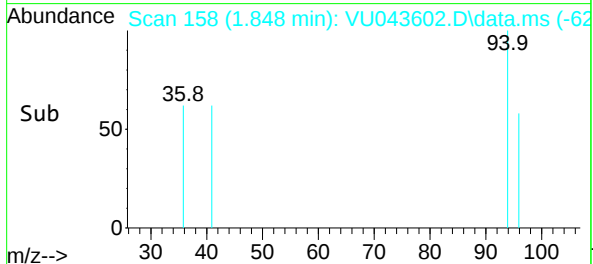
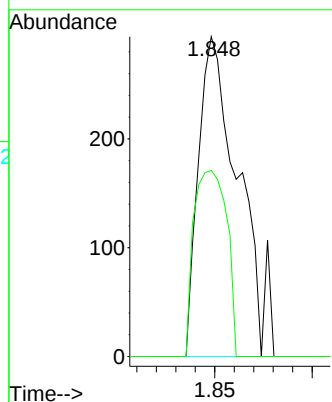
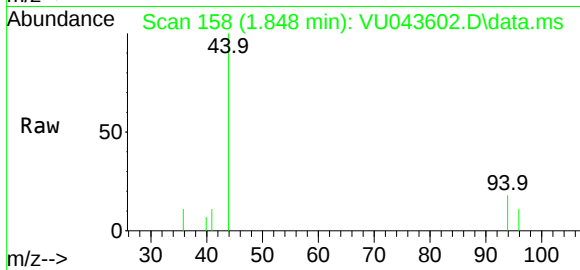




#5
Bromomethane
Concen: 0.40 ug/l
RT: 1.848 min Scan# 158
Delta R.T. 0.010 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

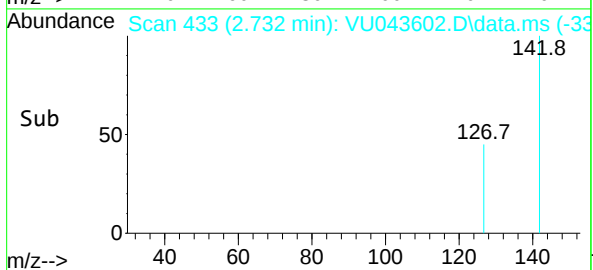
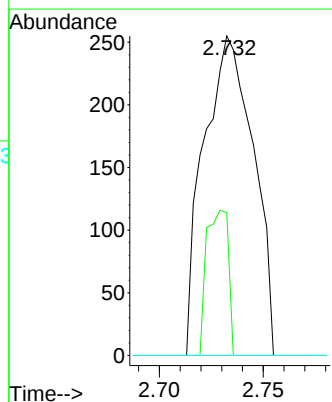
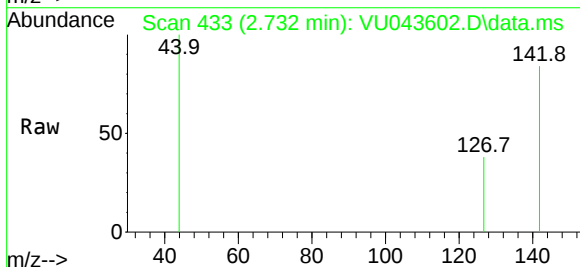
Instrument :
MSVOA_U
ClientSampleId :
VU0507WBL01

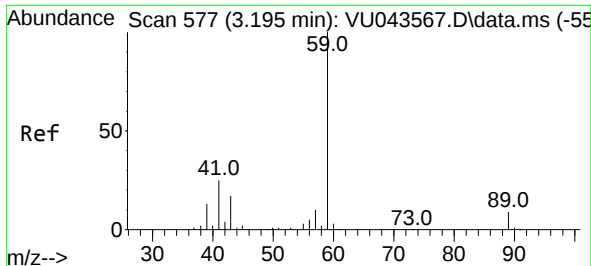
Tgt Ion: 94 Resp: 423
Ion Ratio Lower Upper
94 100
96 58.2 73.3 109.9#



#10
Methyl Iodide
Concen: 0.24 ug/l
RT: 2.732 min Scan# 433
Delta R.T. 0.007 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Tgt Ion: 142 Resp: 422
Ion Ratio Lower Upper
142 100
127 19.9 38.9 58.3#
141 0.0 11.8 17.6#



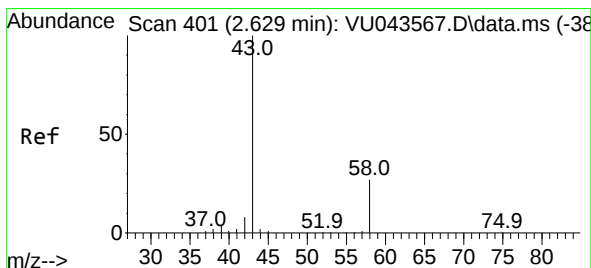
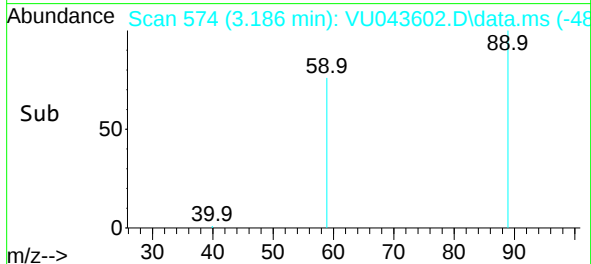
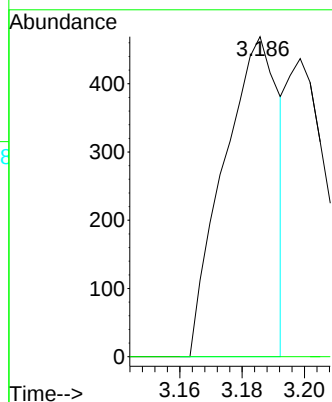
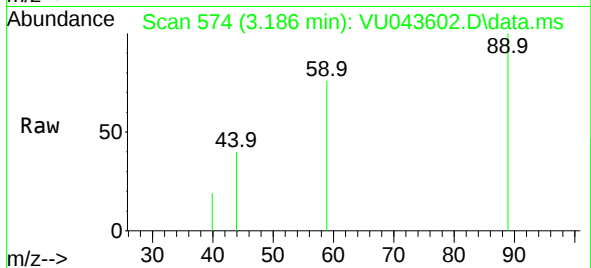


#11

Tert butyl alcohol
Concen: 0.88 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.010 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU0507WBL01

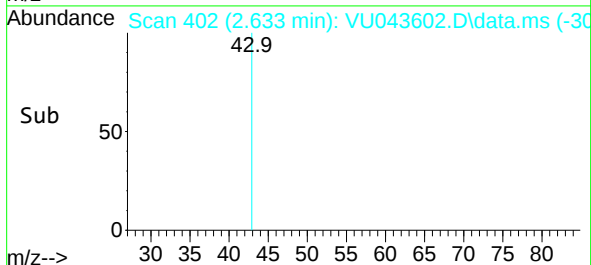
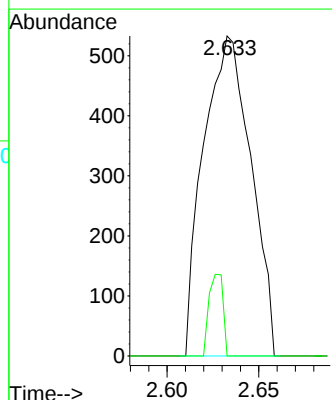
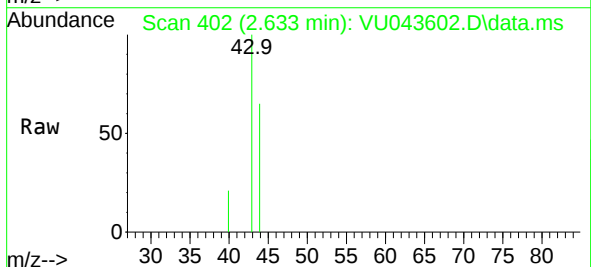
Tgt Ion: 59 Resp: 574
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

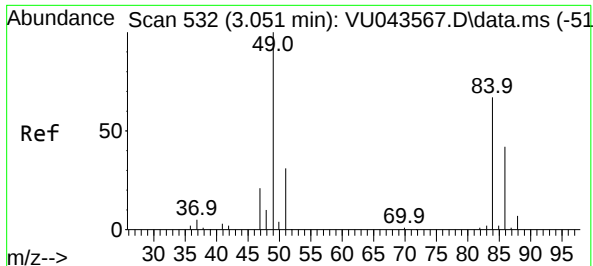


#16

Acetone
Concen: 0.71 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Tgt Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#





#20

Methylene Chloride

Concen: 0.38 ug/l

RT: 3.054 min Scan# 533

Delta R.T. 0.003 min

Lab File: VU043602.D

Acq: 07 May 2021 11:07

Tgt Ion: 84 Resp: 725

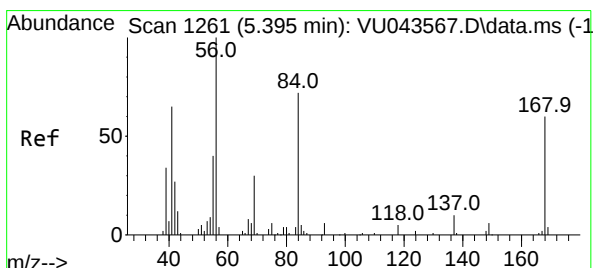
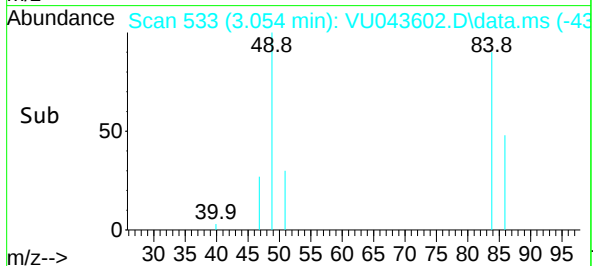
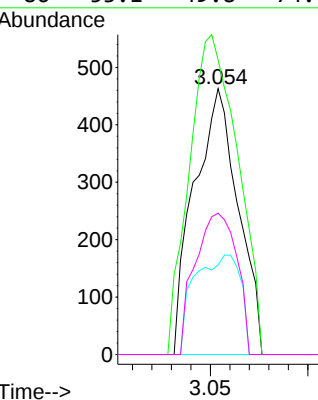
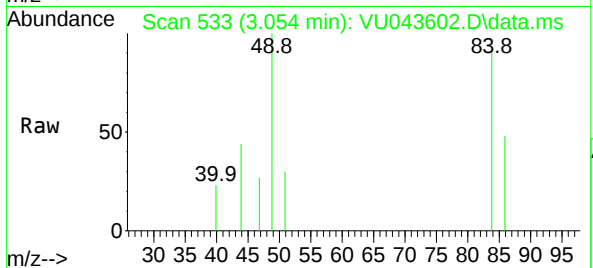
Ion Ratio Lower Upper

84 100

49 110.8 119.0 178.4#

51 33.7 36.8 55.2#

86 53.1 49.8 74.6



#31

Cyclohexane

Concen: 1.12 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.016 min

Lab File: VU043602.D

Acq: 07 May 2021 11:07

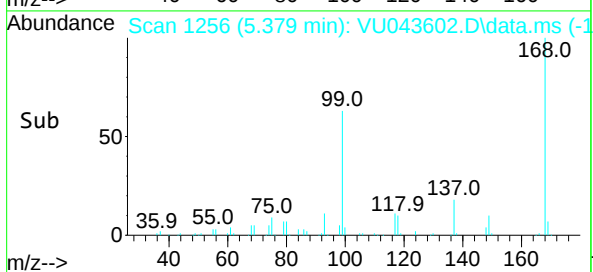
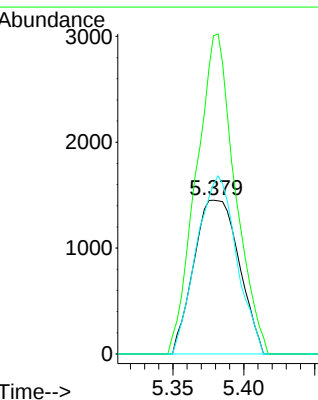
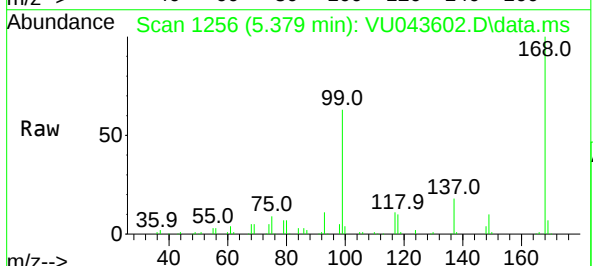
Tgt Ion: 56 Resp: 3228

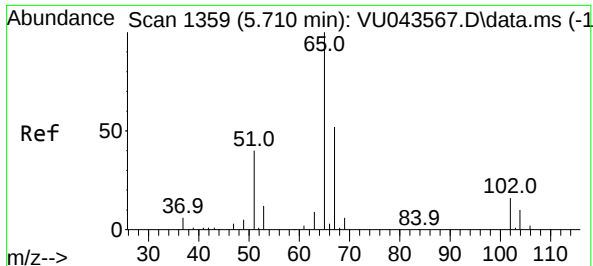
Ion Ratio Lower Upper

56 100

69 207.1 23.9 35.9#

84 110.4 57.7 86.5#





#33

1,2-Dichloroethane-d4

Concen: 51.69 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. 0.000 min

Lab File: VU043602.D

Acq: 07 May 2021 11:07

Tgt Ion: 65 Resp: 125334

Ion Ratio Lower Upper

65 100

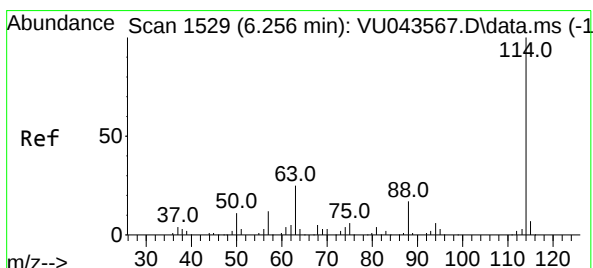
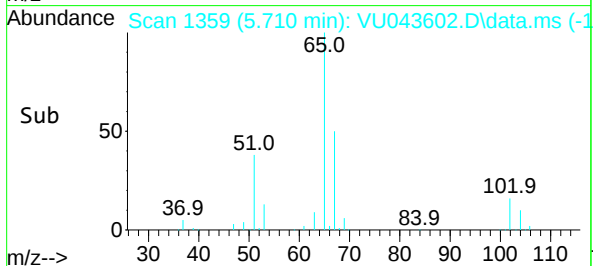
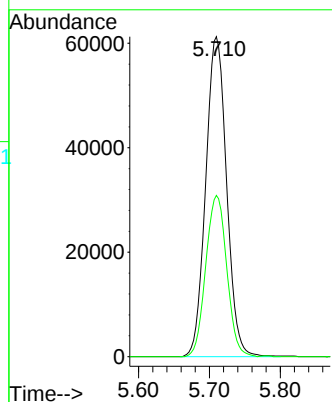
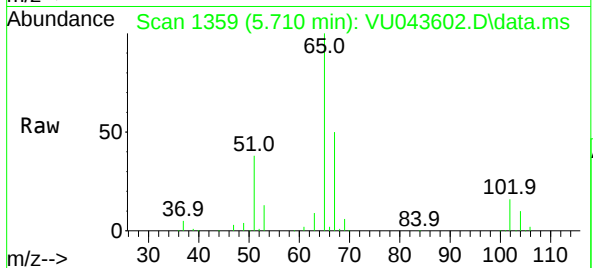
67 50.6 0.0 104.6

Instrument :

MSVOA_U

ClientSampleId :

VU0507WBL01



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043602.D

Acq: 07 May 2021 11:07

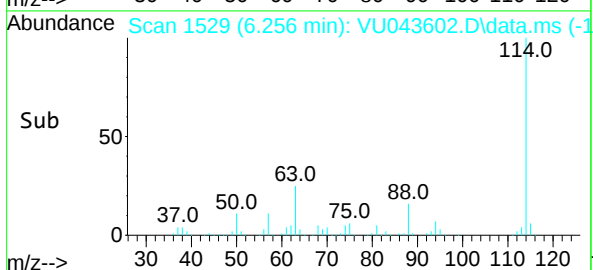
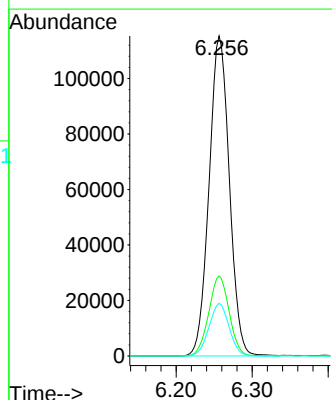
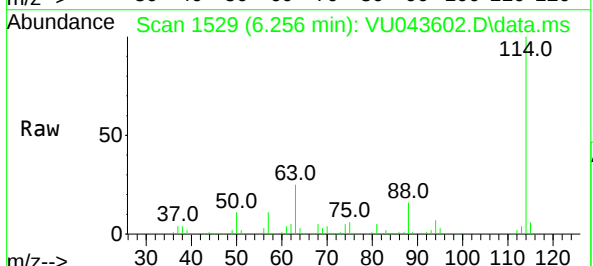
Tgt Ion: 114 Resp: 213418

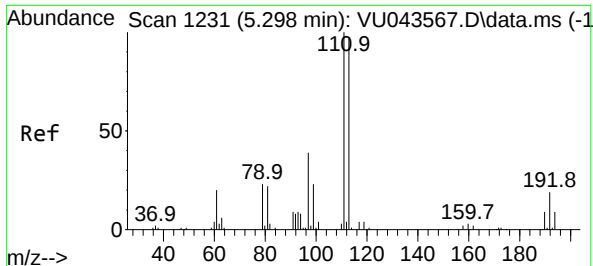
Ion Ratio Lower Upper

114 100

63 25.0 0.0 50.2

88 16.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.72 ug/l

RT: 5.298 min Scan# 1231

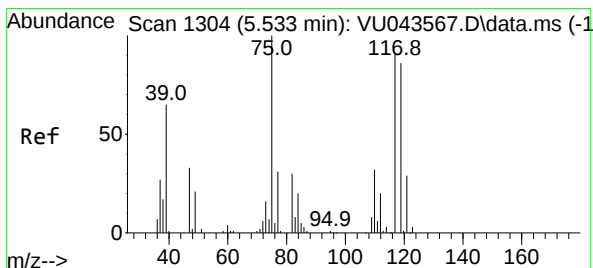
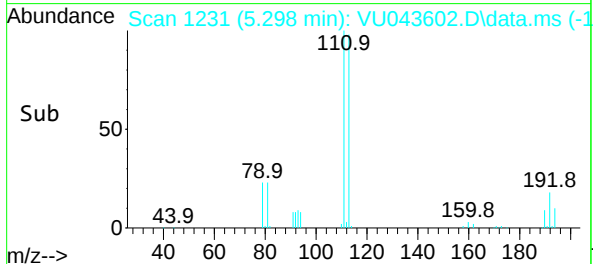
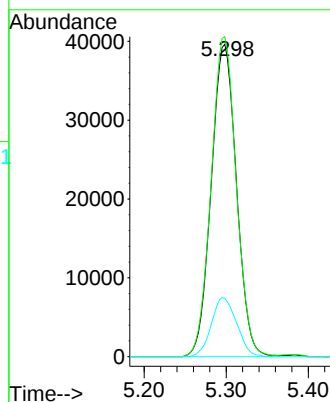
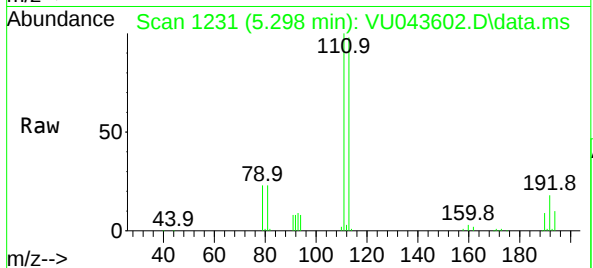
Delta R.T. 0.000 min

Lab File: VU043602.D

Acq: 07 May 2021 11:07

Tgt Ion:	113	Resp:	84624
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.3	123.5
192	19.0	15.8	23.6

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#36

1,1-Dichloropropene

Concen: 4.60 ug/l

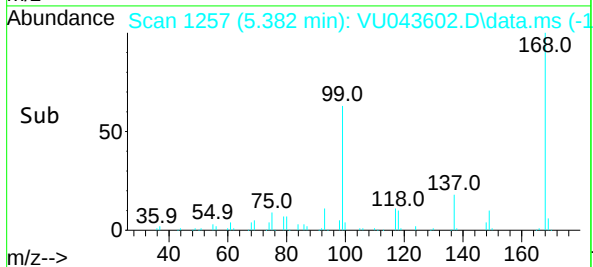
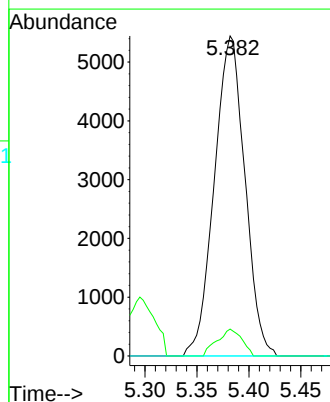
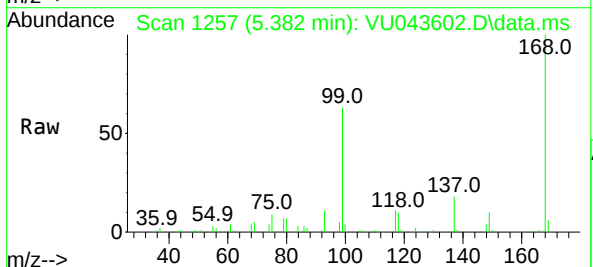
RT: 5.382 min Scan# 1257

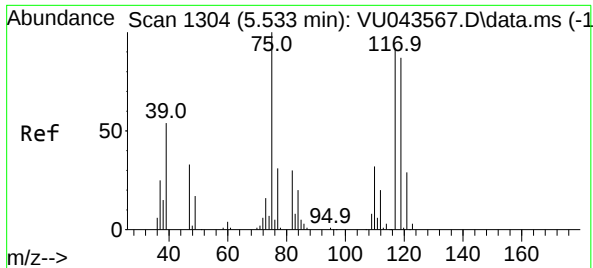
Delta R.T. -0.151 min

Lab File: VU043602.D

Acq: 07 May 2021 11:07

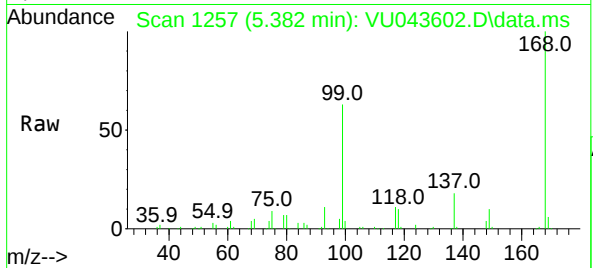
Tgt Ion:	75	Resp:	11143
Ion	Ratio	Lower	Upper
75	100		
110	6.8	16.2	48.5#
77	0.0	24.4	36.6#



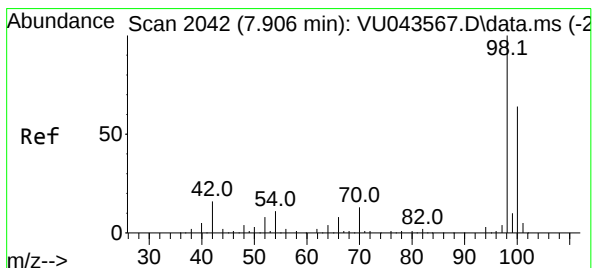
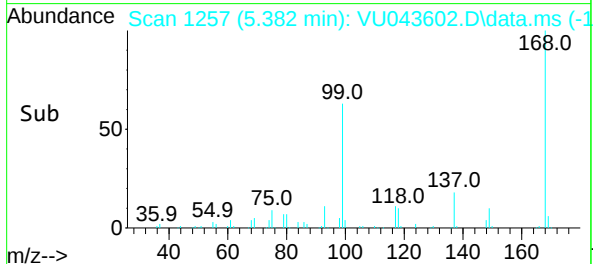
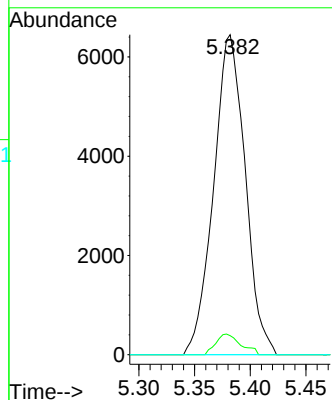


#38
Carbon Tetrachloride
Concen: 5.18 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Instrument :
MSVOA_U
ClientSampleId :
VU0507WBL01

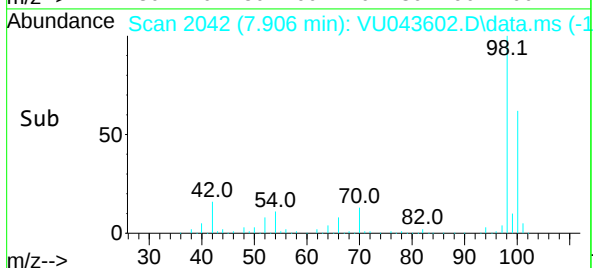
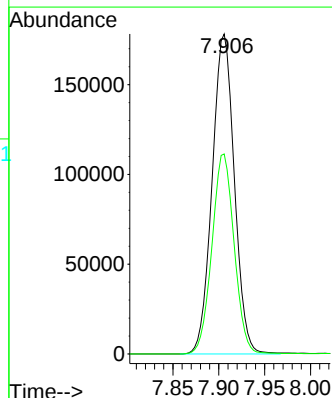
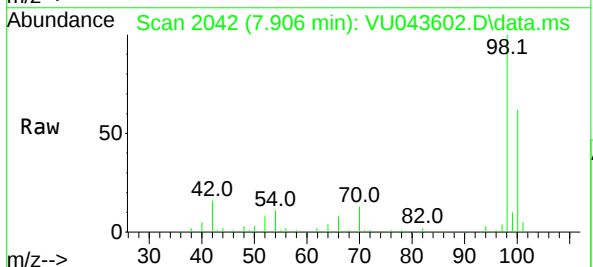


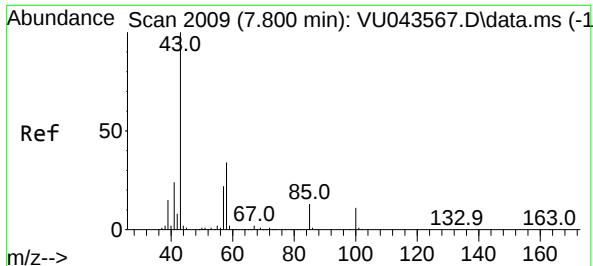
Tgt Ion: 117 Resp: 12730
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.0#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.80 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Tgt Ion: 98 Resp: 300507
Ion Ratio Lower Upper
98 100
100 62.5 50.5 75.7

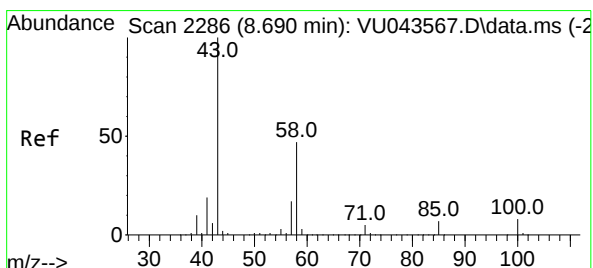
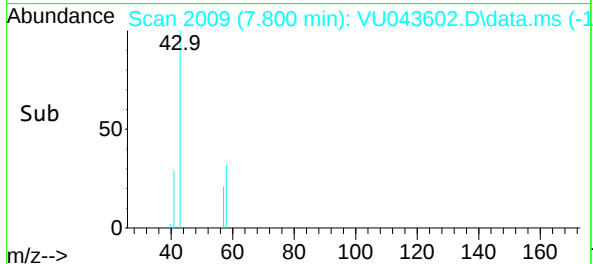
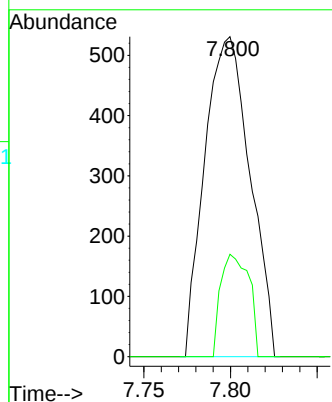
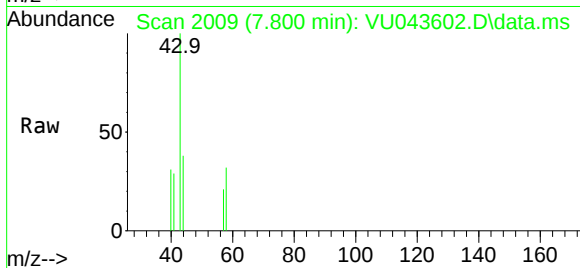




#51
4-Methyl-2-Pentanone
Concen: 19.37 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

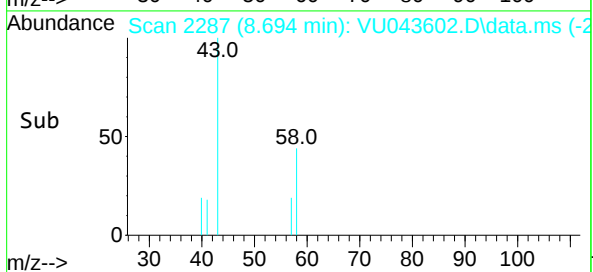
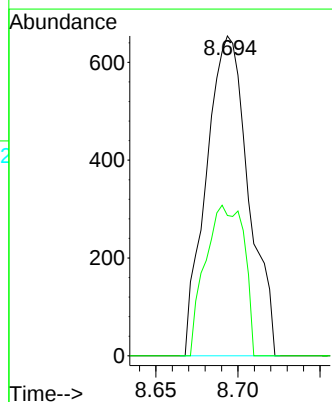
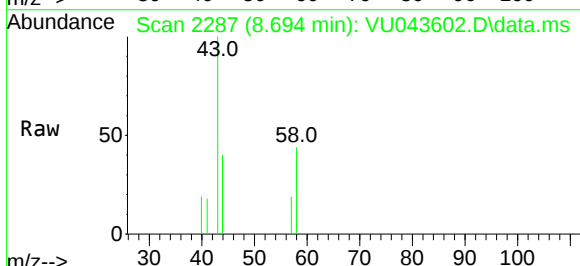
Instrument :
MSVOA_U
ClientSampleId :
VU0507WBL01

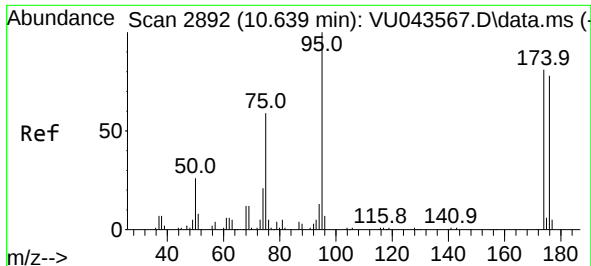
Tgt Ion: 43 Resp: 967
Ion Ratio Lower Upper
43 100
58 19.9 27.2 40.8#



#59
2-Hexanone
Concen: 20.98 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. 0.004 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
58 43.0 23.4 70.2

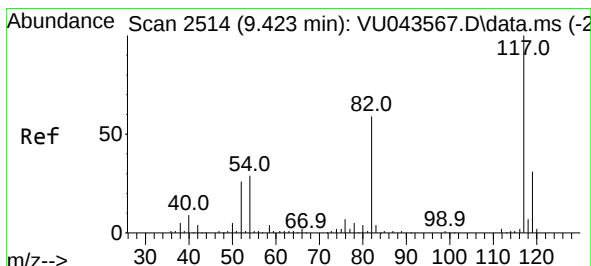
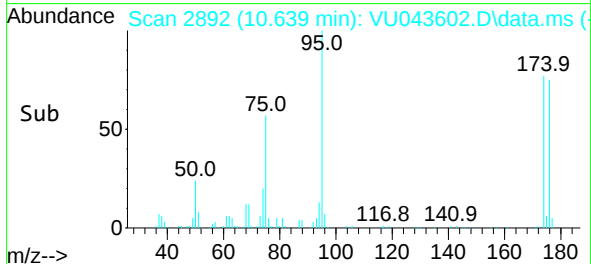
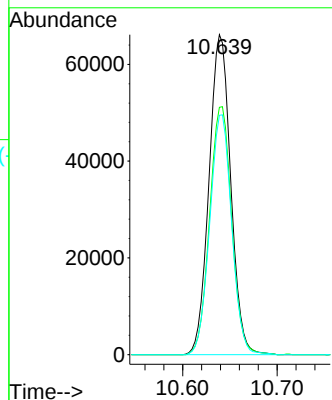
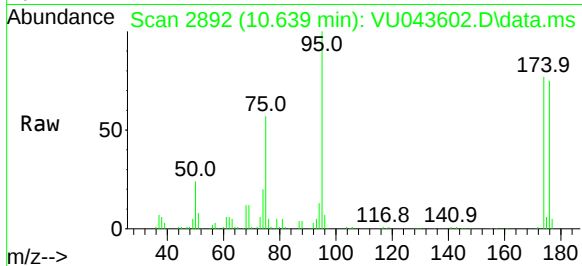




#62
4-Bromofluorobenzene
Concen: 45.91 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

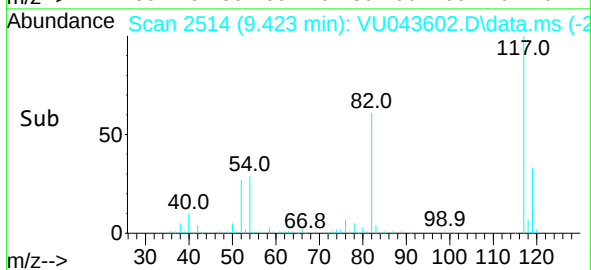
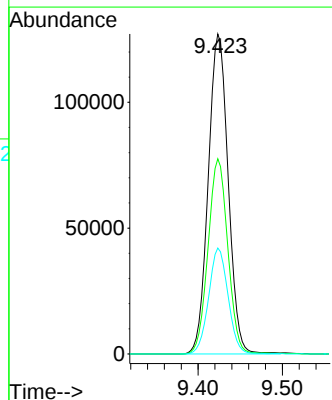
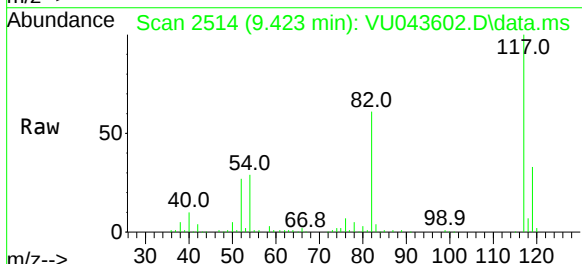
Instrument :
MSVOA_U
ClientSampleId :
VU0507WBL01

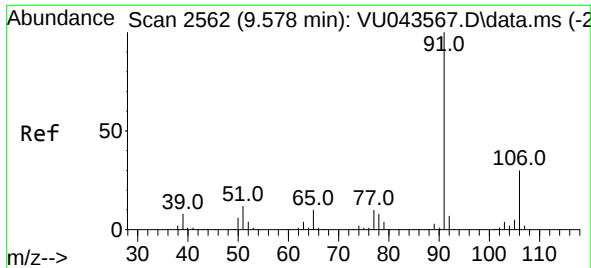
Tgt Ion: 95 Resp: 105399
Ion Ratio Lower Upper
95 100
174 79.1 0.0 158.8
176 75.7 0.0 155.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Tgt Ion: 117 Resp: 209252
Ion Ratio Lower Upper
117 100
82 61.0 47.5 71.3
119 33.1 24.7 37.1

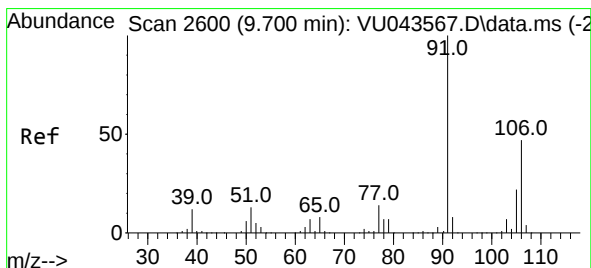
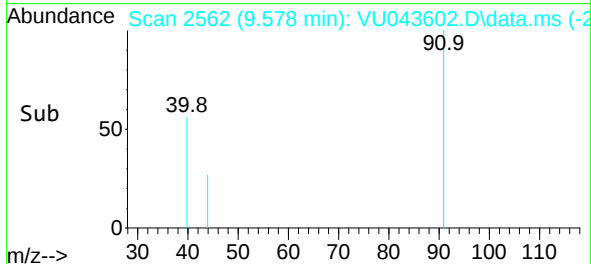
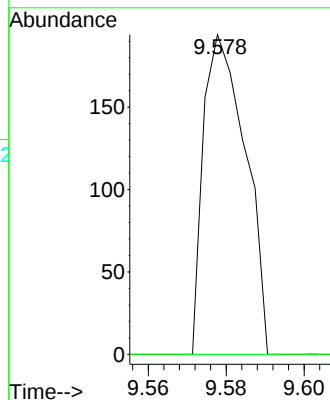
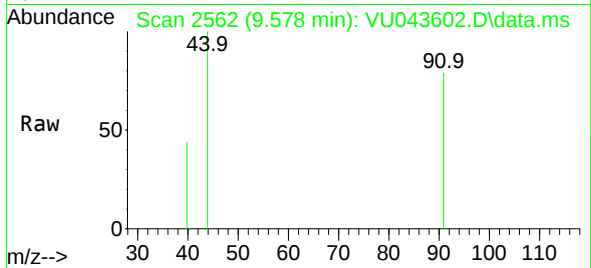




#67
Ethyl Benzene
Concen: 1.47 ug/l
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

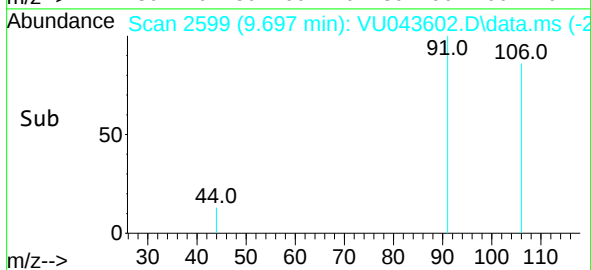
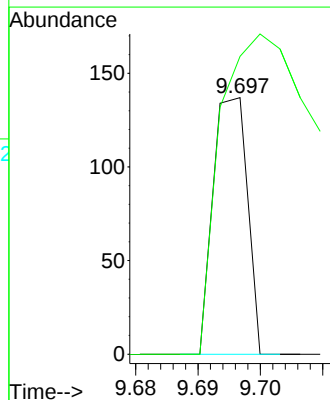
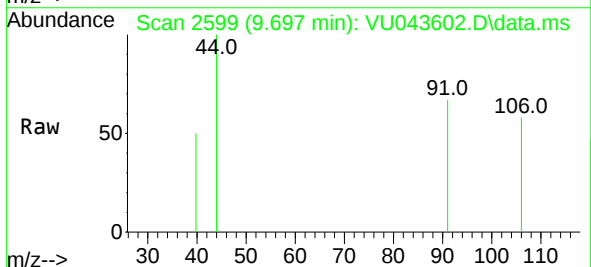
Instrument :
MSVOA_U
ClientSampleId :
VU0507WBL01

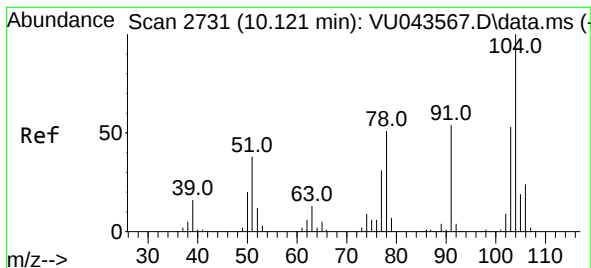
Tgt Ion: 91 Resp: 145
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#



#68
m/p-Xylenes
Concen: 2.35 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.003 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Tgt Ion:106 Resp: 52
Ion Ratio Lower Upper
106 100
91 365.4 171.7 257.5#

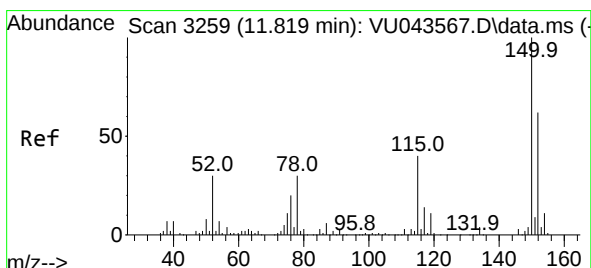
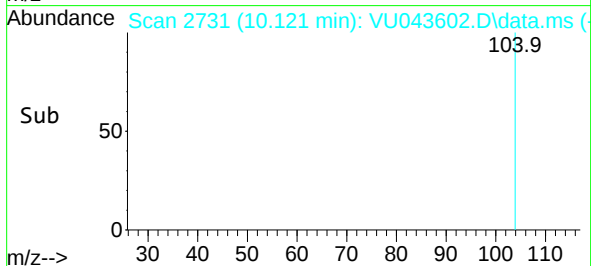
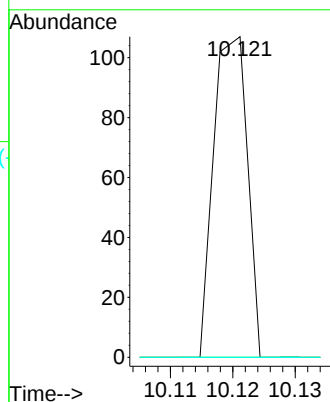
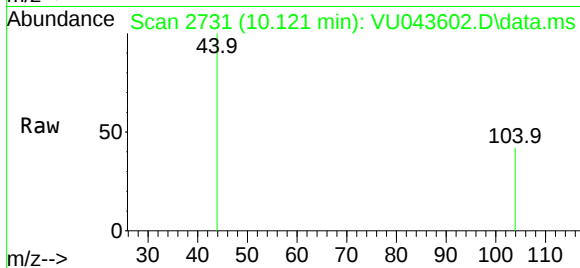




#70
Styrene
Concen: 2.70 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

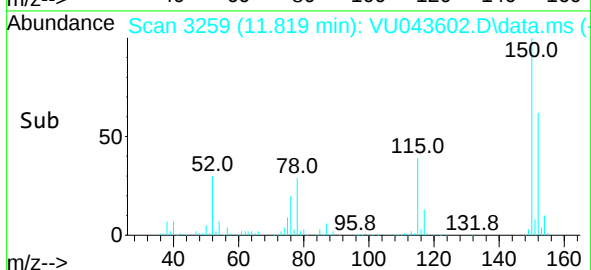
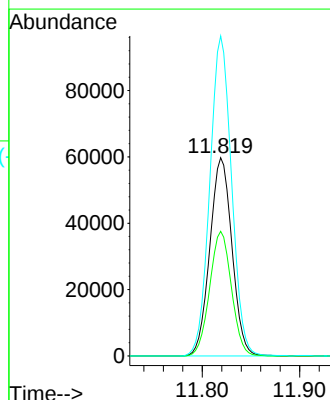
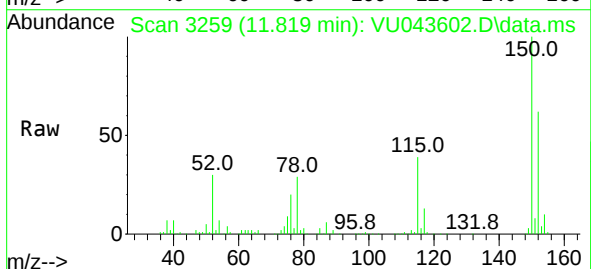
Instrument :
MSVOA_U
ClientSampleId :
VU0507WBL01

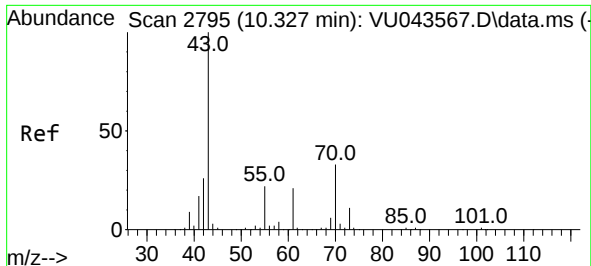
Tgt Ion:104 Resp: 40
Ion Ratio Lower Upper
104 100
78 0.0 44.6 67.0#
103 0.0 45.1 67.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Tgt Ion:152 Resp: 94412
Ion Ratio Lower Upper
152 100
115 61.7 46.1 138.3
150 158.2 0.0 361.0

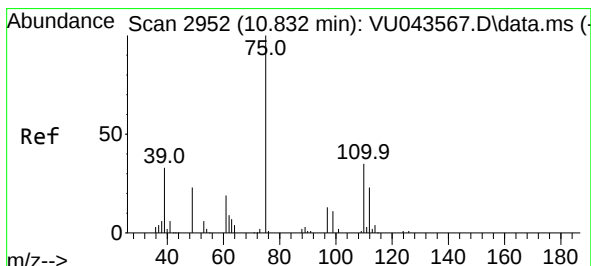
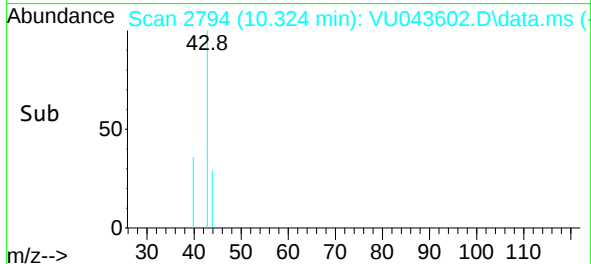
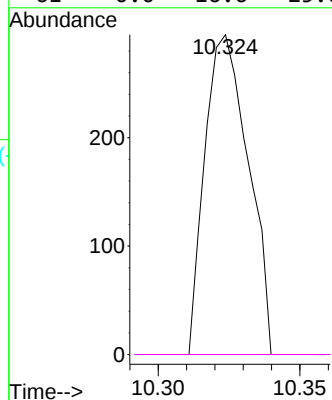
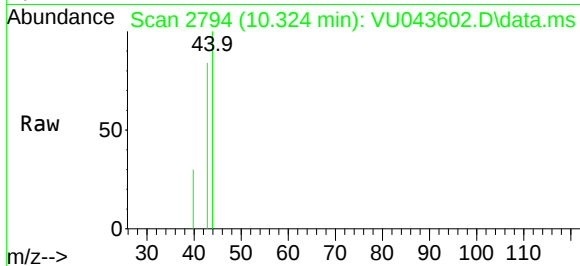




#74
N-amy1 acetate
Concen: 2.58 ug/l
RT: 10.324 min Scan# 2794
Delta R.T. -0.003 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

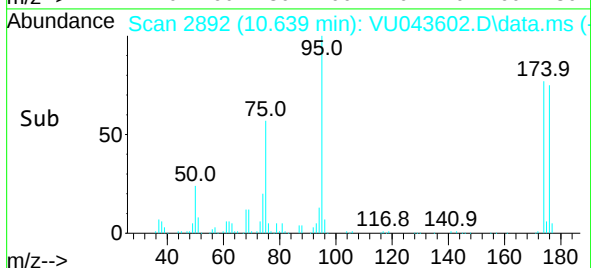
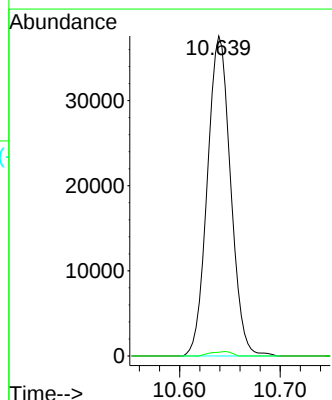
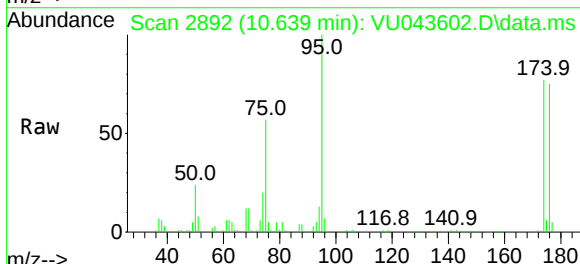
Instrument :
MSVOA_U
ClientSampleId :
VU0507WBL01

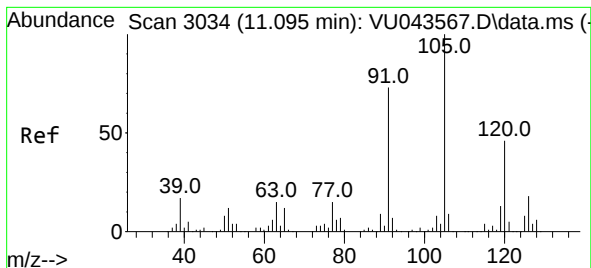
Tgt Ion: 43	Resp: 314
Ion Ratio	Lower Upper
43 100	
70 0.0	26.4 39.6#
55 0.0	18.0 27.0#
61 0.0	16.6 25.0#



#76
1,2,3-Trichloropropane
Concen: 20.12 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Tgt Ion: 75	Resp: 60391
Ion Ratio	Lower Upper
75 100	
77 1.3	17.1 51.3#

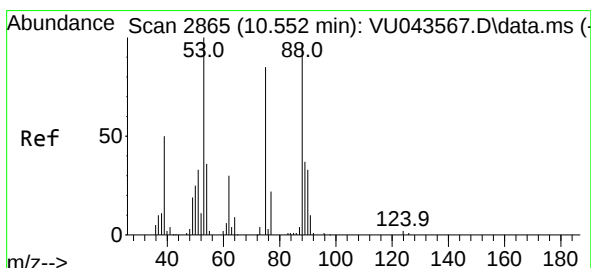
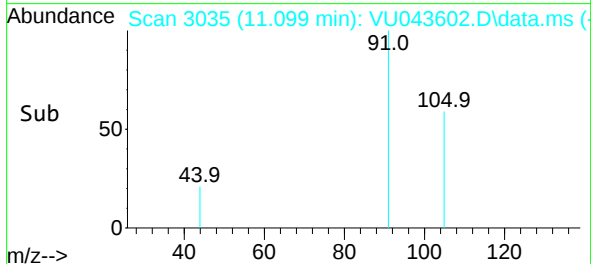
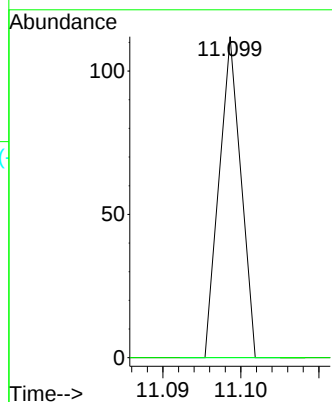
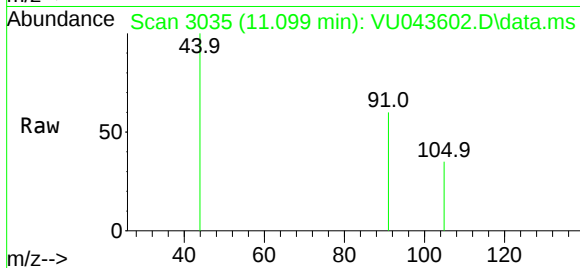




#80
1,3,5-Trimethylbenzene
Concen: 0.74 ug/l
RT: 11.099 min Scan# 3035
Delta R.T. 0.004 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

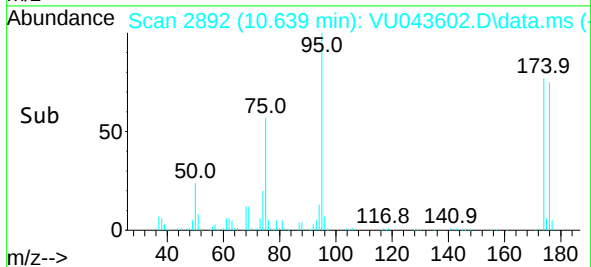
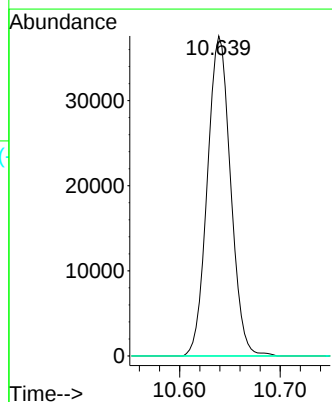
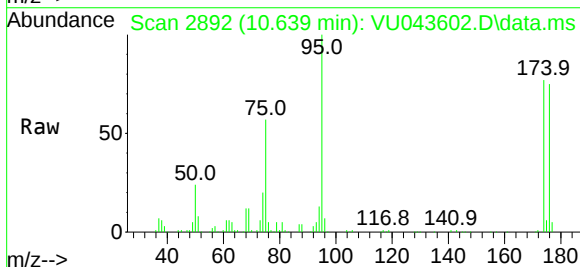
Instrument :
MSVOA_U
ClientSampleId :
VU0507WBL01

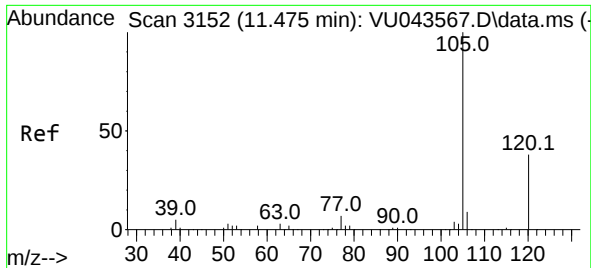
Tgt Ion:105 Resp: 22
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.51 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Tgt Ion: 75 Resp: 60391
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#

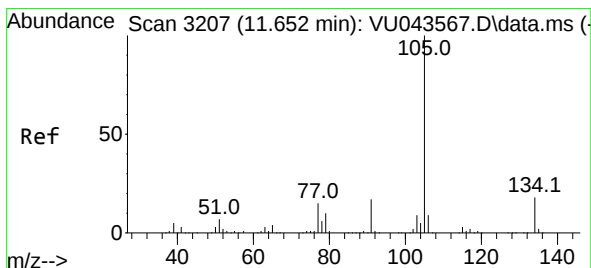
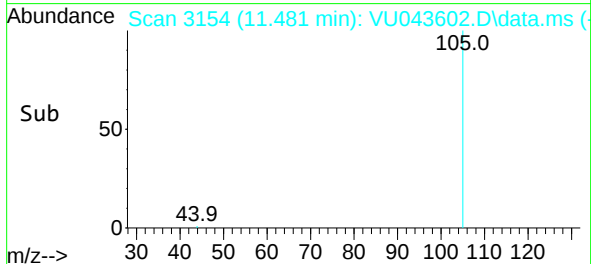
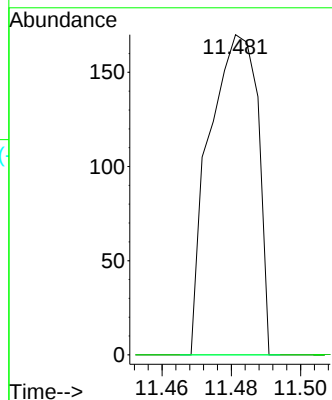
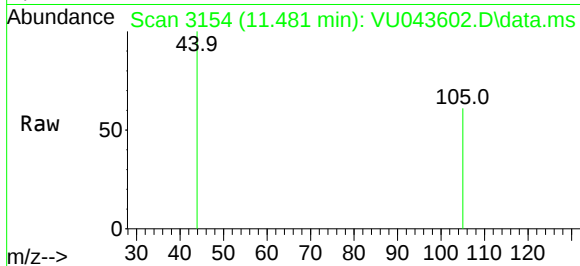




#84
1,2,4-Trimethylbenzene
Concen: 1.14 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.006 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

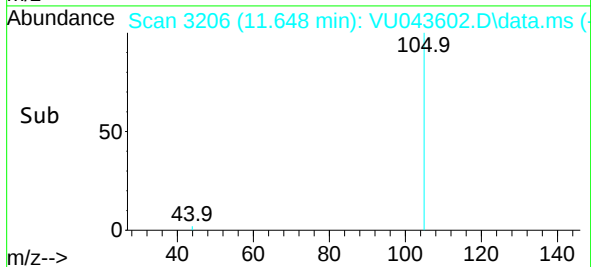
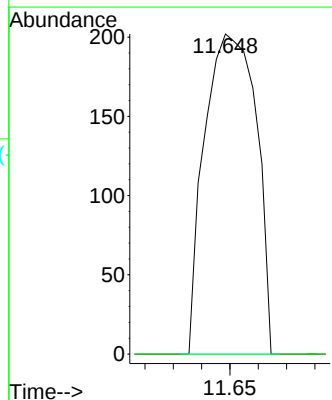
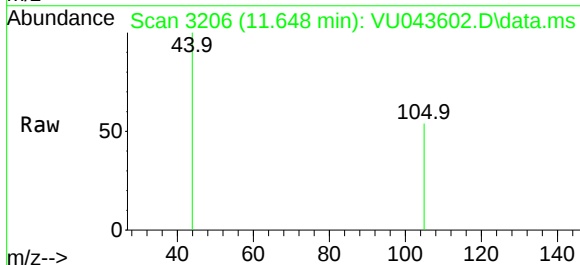
Instrument :
MSVOA_U
ClientSampleId :
VU0507WBL01

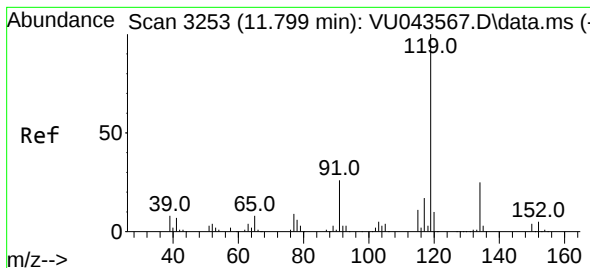
Tgt Ion:105 Resp: 165
Ion Ratio Lower Upper
105 100
120 0.0 21.4 64.2#



#85
sec-Butylbenzene
Concen: 1.37 ug/l
RT: 11.648 min Scan# 3206
Delta R.T. -0.004 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Tgt Ion:105 Resp: 255
Ion Ratio Lower Upper
105 100
134 0.0 9.2 27.6#

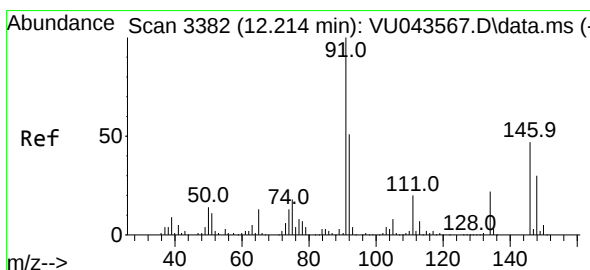
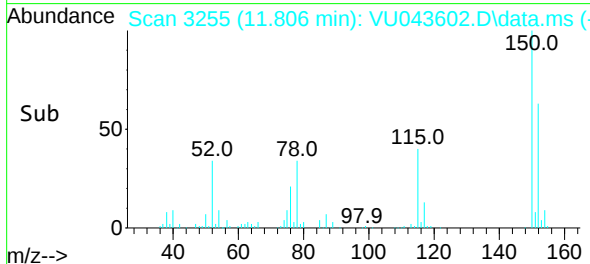
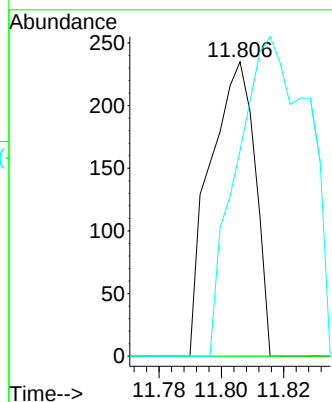
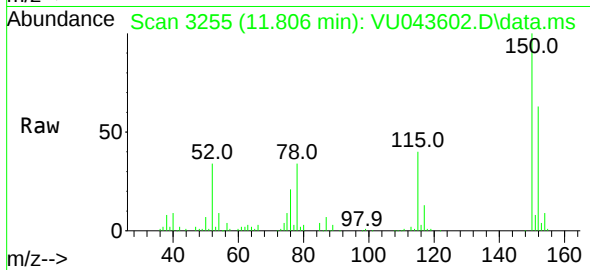




#86
p-Isopropyltoluene
Concen: 1.51 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. 0.007 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

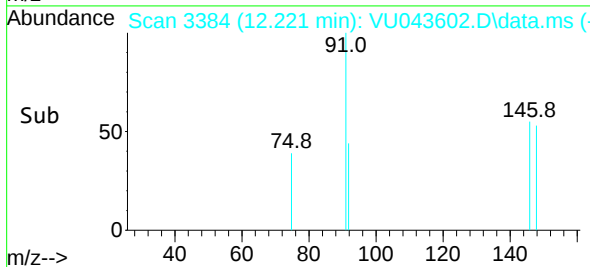
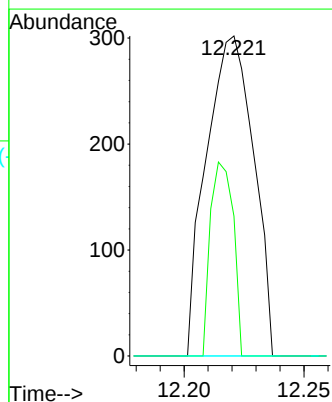
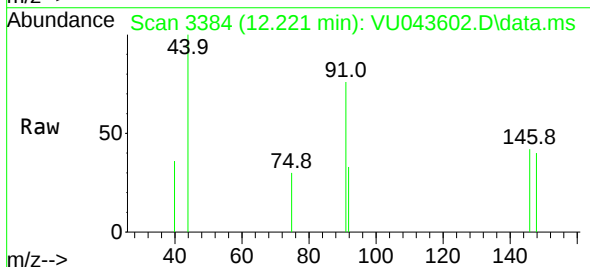
Instrument :
MSVOA_U
ClientSampleId :
VU0507WBL01

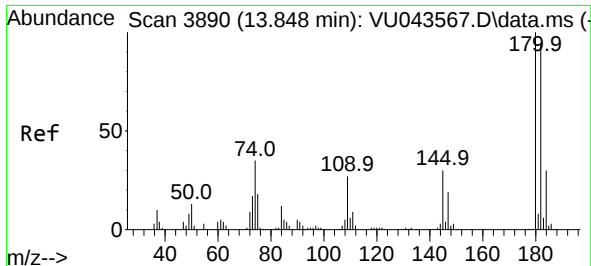
Tgt Ion:119 Resp: 235
Ion Ratio Lower Upper
119 100
134 0.0 12.7 38.0#
91 172.3 13.3 39.9#



#89
n-Butylbenzene
Concen: 2.59 ug/l
RT: 12.221 min Scan# 3384
Delta R.T. 0.007 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

Tgt Ion: 91 Resp: 413
Ion Ratio Lower Upper
91 100
92 29.3 25.4 76.2
134 0.0 11.3 33.9#

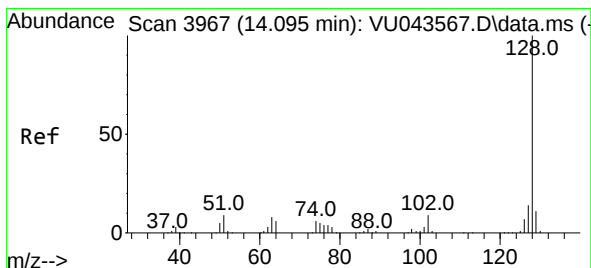
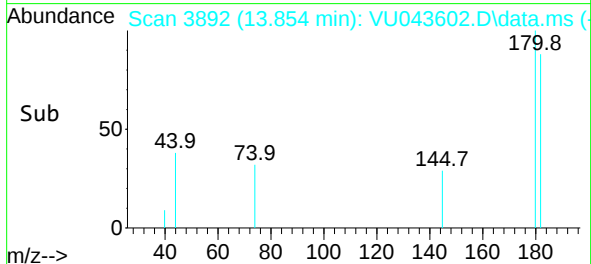
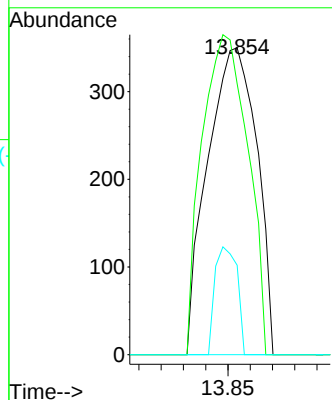
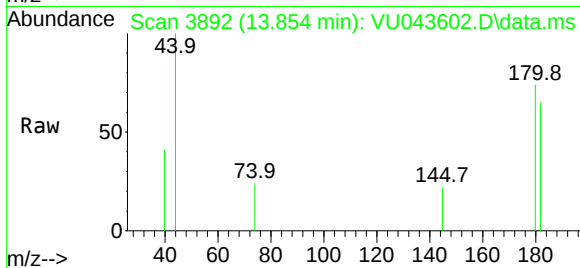




#93
1,2,4-Trichlorobenzene
Concen: 0.24 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.007 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

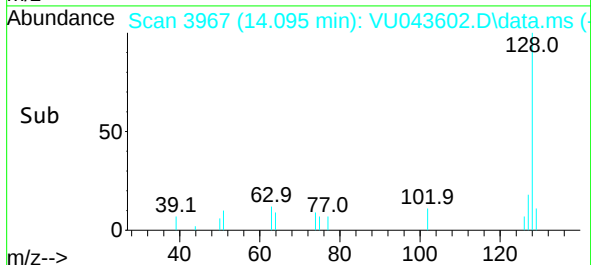
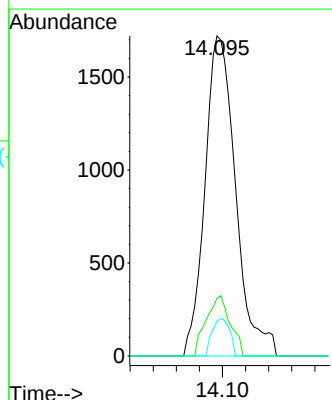
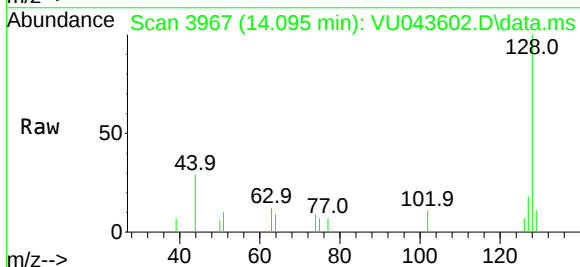
Instrument :
MSVOA_U
ClientSampleId :
VU0507WBL01

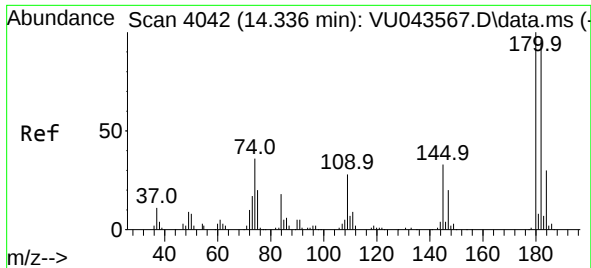
Tgt Ion:180 Resp: 537
Ion Ratio Lower Upper
180 100
182 97.0 47.2 141.6
145 15.8 14.9 44.9



#95
Naphthalene
Concen: 1.91 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU043602.D
Acq: 07 May 2021 11:07

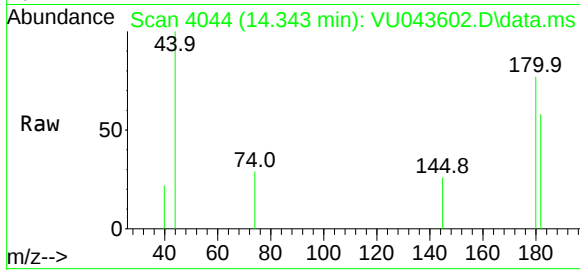
Tgt Ion:128 Resp: 3170
Ion Ratio Lower Upper
128 100
127 14.7 10.7 16.1
129 6.7 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.30 ug/l
 RT: 14.343 min Scan# 4044
 Delta R.T. 0.007 min
 Lab File: VU043602.D
 Acq: 07 May 2021 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0507WBL01



Tgt Ion:180 Resp: 653
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.2 144.6
 145 10.9 16.2 48.6#

