

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051221\
 Data File : VU043682.D
 Acq On : 12 May 2021 17:02
 Operator : SY/MD
 Sample : M2322-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 13 01:34:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 09:51:45 2021
 Response via : Initial Calibration

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

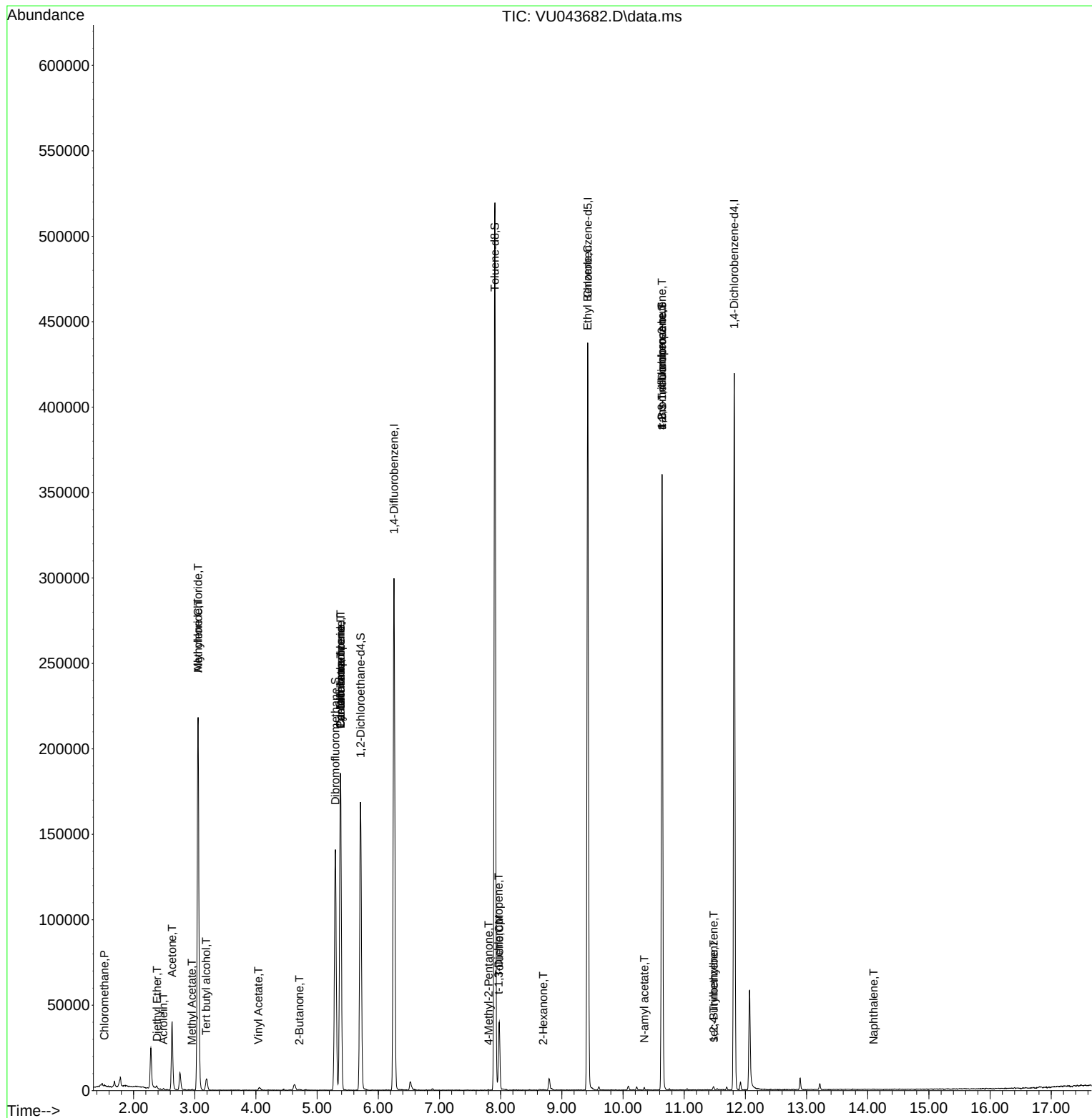
Internal Standards						
1) Pentafluorobenzene	5.382	168	118441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	215716	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	213271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	96279	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	127625	52.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.20%	
35) Dibromofluoromethane	5.298	113	88226	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.12%	
50) Toluene-d8	7.906	98	311014	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	10.639	95	107988	46.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.52%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	826	0.70	ug/l #	87
8) Diethyl Ether	2.382	74	327	0.35	ug/l #	1
11) Tert butyl alcohol	3.186	59	5021	7.81	ug/l #	73
13) Acrolein	2.485	56	449	7.59	ug/l	87
14) Allyl chloride	3.054	41	4509	1.31	ug/l #	25
16) Acetone	2.629	43	44948	33.77	ug/l	99
18) Methyl Acetate	2.954	43	701	0.23	ug/l #	58
20) Methylene Chloride	3.054	84	91088	48.64	ug/l	98
23) Vinyl Acetate	4.041	43	43	9.96	ug/l #	78
25) 2-Butanone	4.710	43	872	0.42	ug/l #	56
31) Cyclohexane	5.382	56	3345	1.17	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	11255	4.60	ug/l #	50
38) Carbon Tetrachloride	5.382	117	12704	5.12	ug/l #	17
51) 4-Methyl-2-Pentanone	7.803	43	355	19.25	ug/l #	41
52) Toluene	7.976	92	15159	3.57	ug/l	94
53) t-1,3-Dichloropropene	7.967	75	175	2.30	ug/l #	1
59) 2-Hexanone	8.697	43	186	20.76	ug/l #	30
67) Ethyl Benzene	9.420	91	351	1.49	ug/l #	45
74) N-amyl acetate	10.349	43	223	2.56	ug/l #	25
76) 1,2,3-Trichloropropane	10.639	75	62932	20.56	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.639	75	62932	66.95	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.481	105	669	1.21	ug/l #	33
85) sec-Butylbenzene	11.481	105	669	1.42	ug/l #	59
95) Naphthalene	14.098	128	332	1.56	ug/l #	69

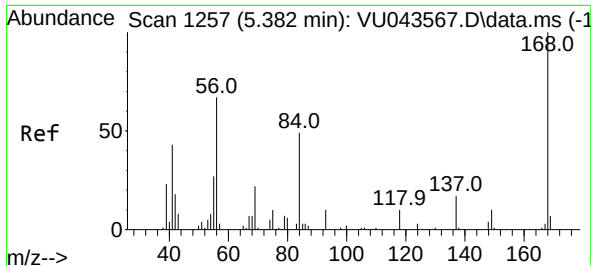
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051221\
Data File : VU043682.D
Acq On : 12 May 2021 17:02
Operator : SY/MD
Sample : M2322-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: May 13 01:34:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260
QLast Update : Tue May 11 09:51:45 2021
Response via : Initial Calibration

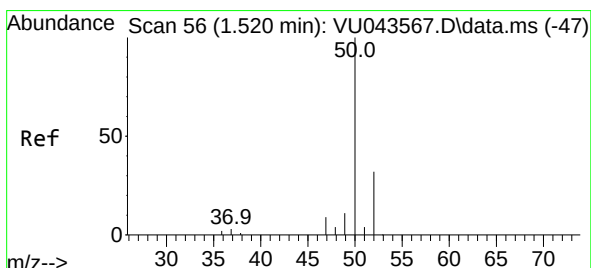
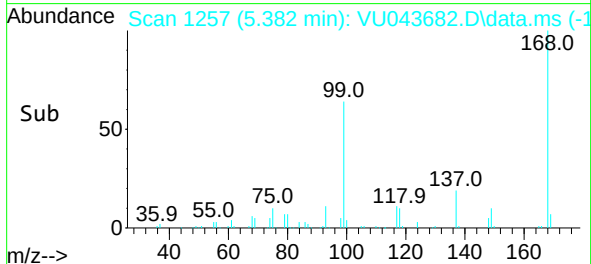
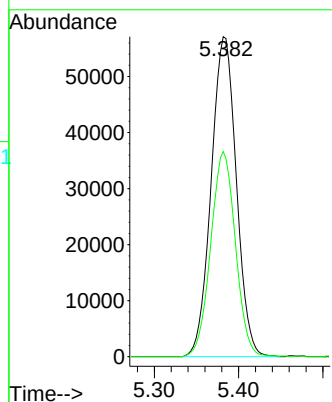
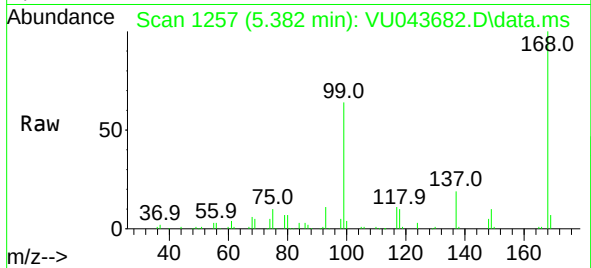




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

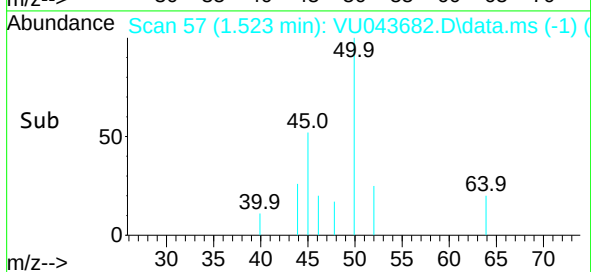
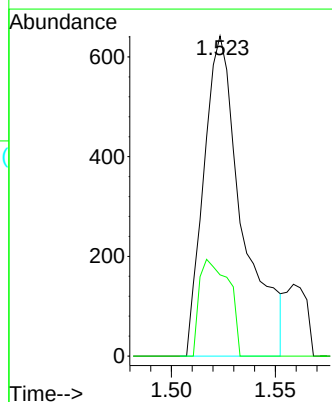
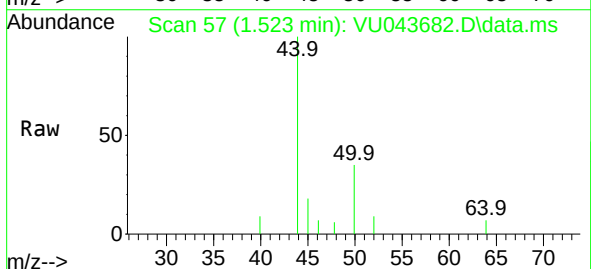
Instrument :
MSVOA_U
ClientSampleId :

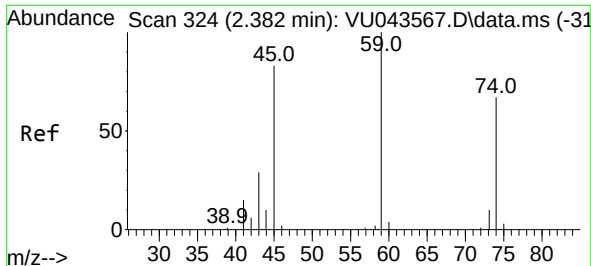
Tgt Ion:168 Resp: 118441
Ion Ratio Lower Upper
168 100
99 64.1 49.0 73.6



#3
Chloromethane
Concen: 0.70 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

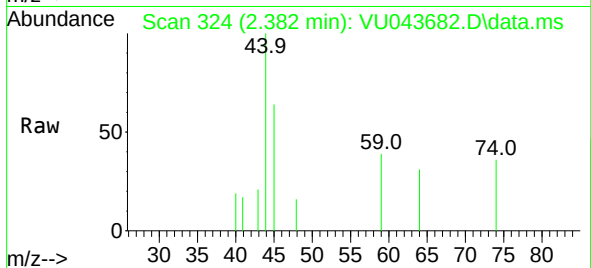
Tgt Ion: 50 Resp: 826
Ion Ratio Lower Upper
50 100
52 25.4 25.9 38.9#



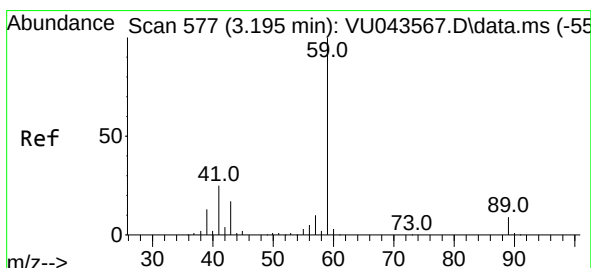
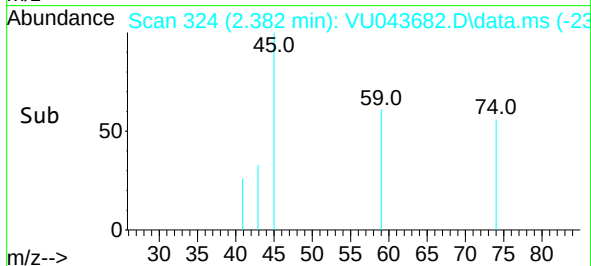
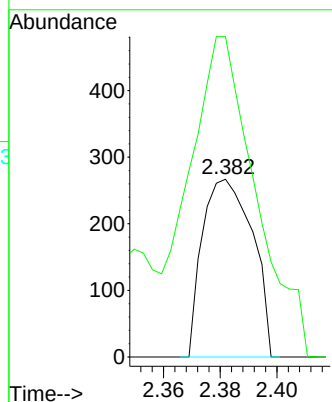


#8
Diethyl Ether
Concen: 0.35 ug/l
RT: 2.382 min Scan# 324
Delta R.T. 0.000 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

Instrument :
MSVOA_U
ClientSampled :

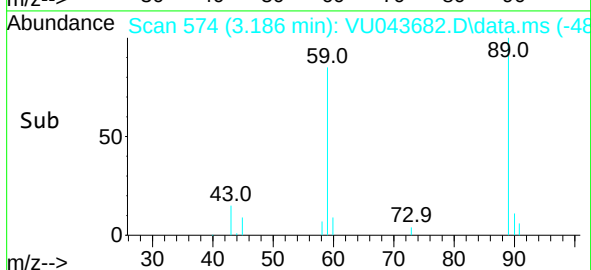
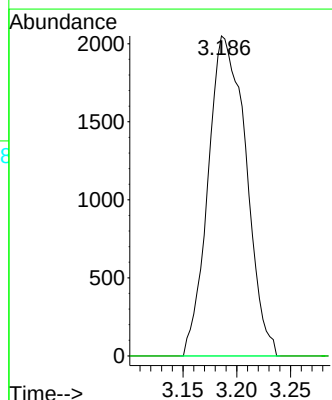
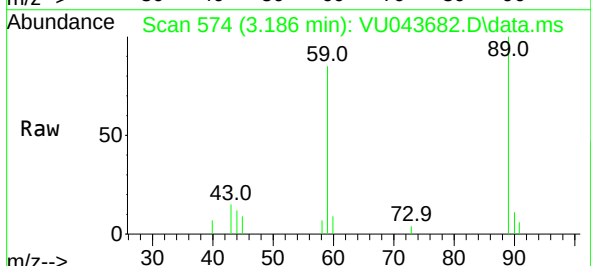


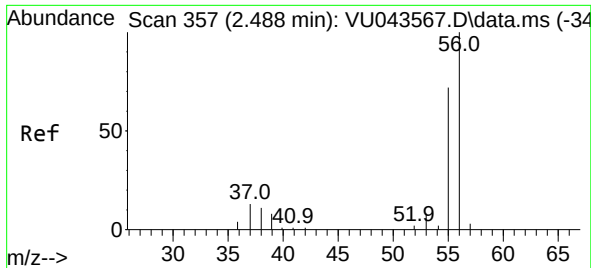
Tgt Ion: 74 Resp: 327
Ion Ratio Lower Upper
74 100
45 238.2 62.6 187.8#



#11
Tert butyl alcohol
Concen: 7.81 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.010 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

Tgt Ion: 59 Resp: 5021
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

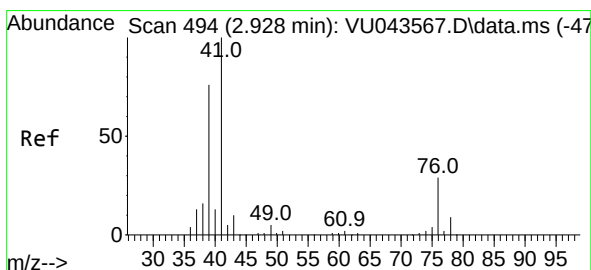
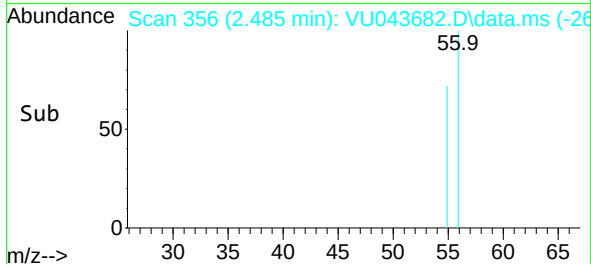
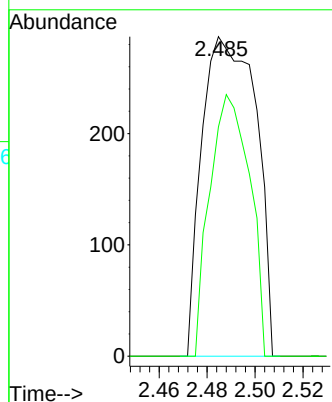
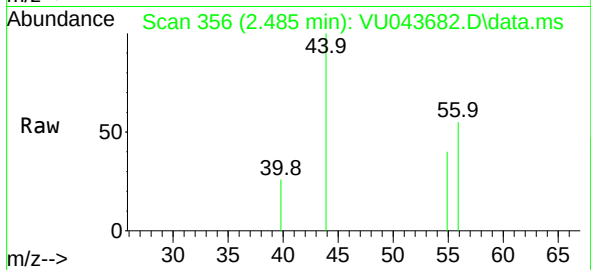




#13
Acrolein
Concen: 7.59 ug/l
RT: 2.485 min Scan# 356
Delta R.T. -0.003 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

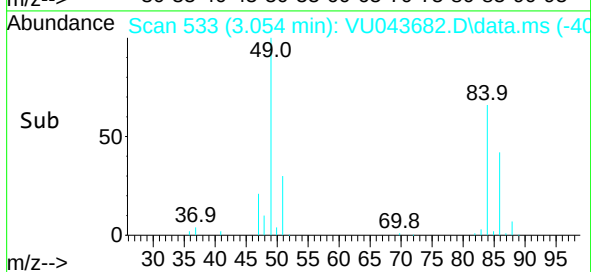
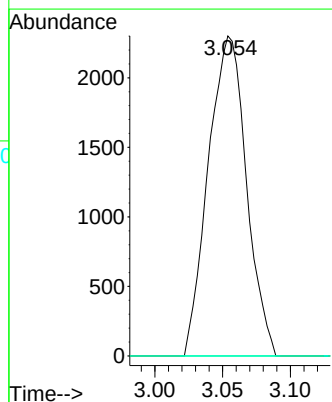
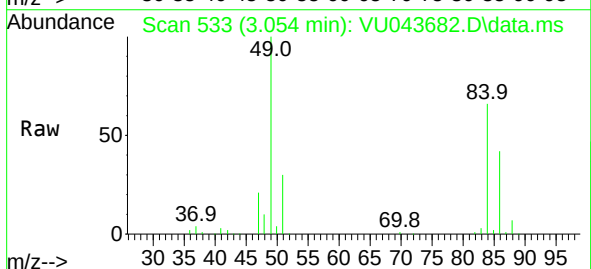
Instrument :
MSVOA_U
ClientSampled :

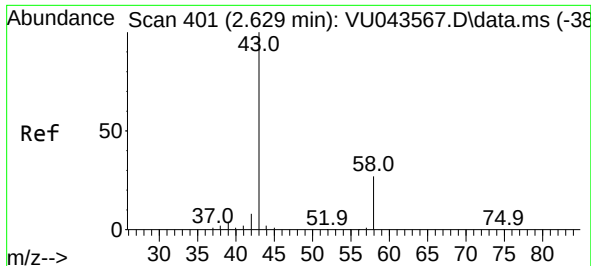
Tgt Ion: 56 Resp: 449
Ion Ratio Lower Upper
56 100
55 60.6 56.9 85.3



#14
Allyl chloride
Concen: 1.31 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.125 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

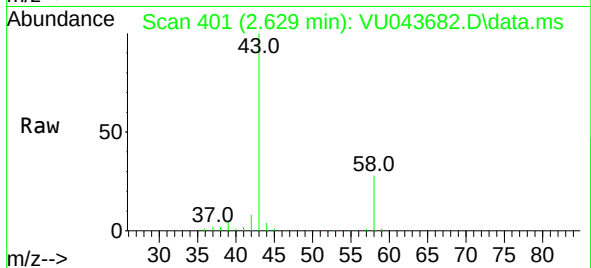
Tgt Ion: 41 Resp: 4509
Ion Ratio Lower Upper
41 100
39 0.0 54.5 81.7#
76 0.0 19.9 29.9#



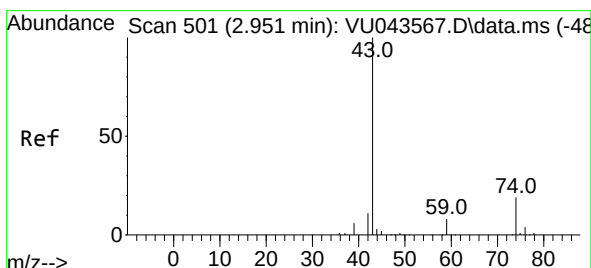
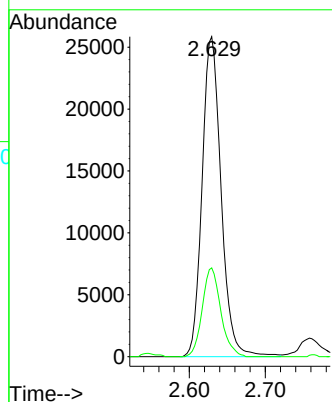
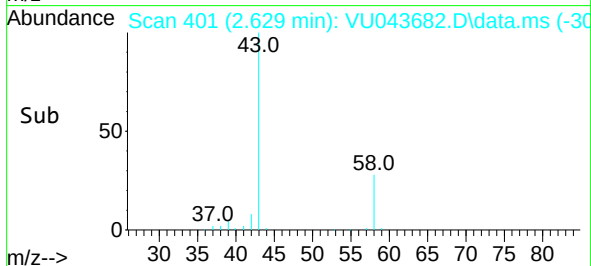


#16
Acetone
Concen: 33.77 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

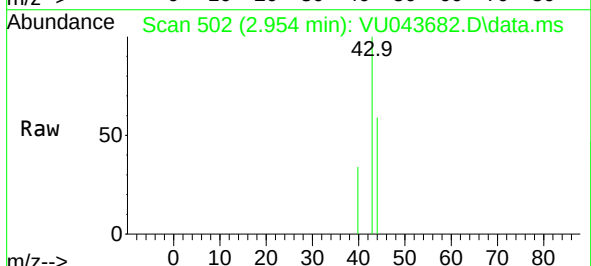
Instrument :
MSVOA_U
ClientSampled :



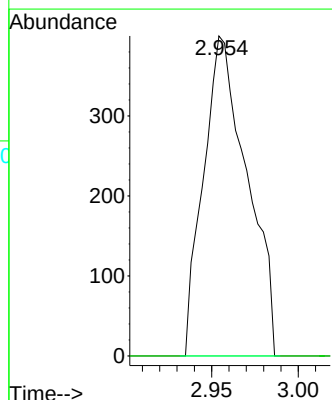
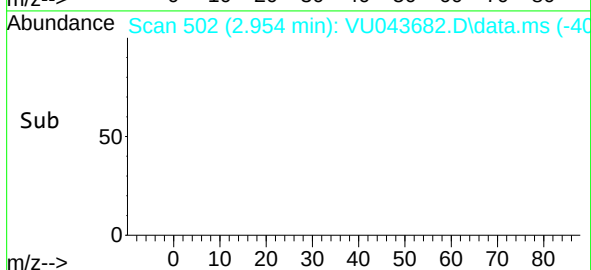
Tgt Ion: 43 Resp: 44948
Ion Ratio Lower Upper
43 100
58 27.8 21.7 32.5

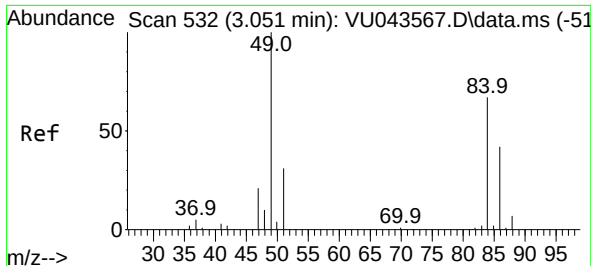


#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02



Tgt Ion: 43 Resp: 701
Ion Ratio Lower Upper
43 100
74 0.0 15.3 22.9#





#20

Methylene Chloride

Concen: 48.64 ug/l

RT: 3.054 min Scan# 533

Delta R.T. 0.003 min

Lab File: VU043682.D

Acq: 12 May 2021 17:02

Tgt Ion: 84 Resp: 91088

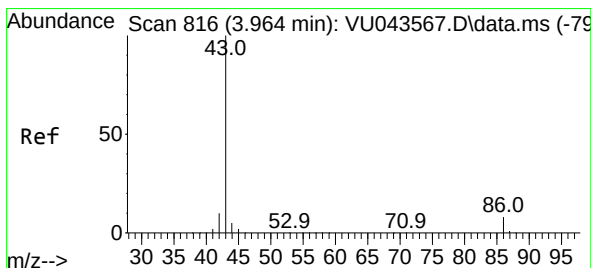
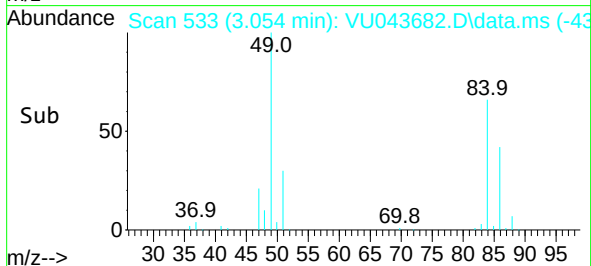
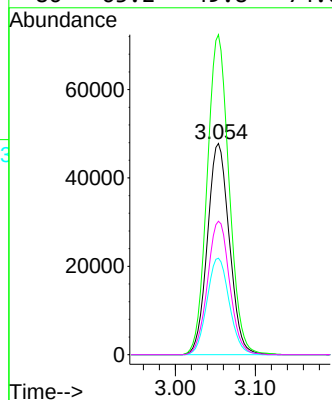
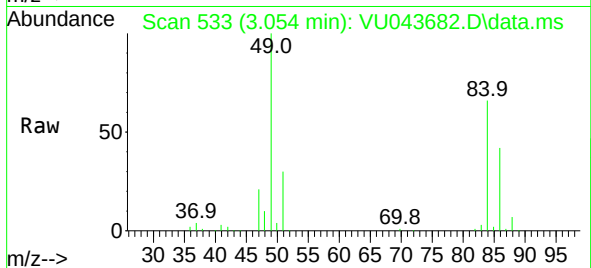
Ion Ratio Lower Upper

84 100

49 151.5 119.0 178.4

51 45.7 36.8 55.2

86 63.2 49.8 74.6



#23

Vinyl Acetate

Concen: 9.96 ug/l

RT: 4.041 min Scan# 840

Delta R.T. 0.077 min

Lab File: VU043682.D

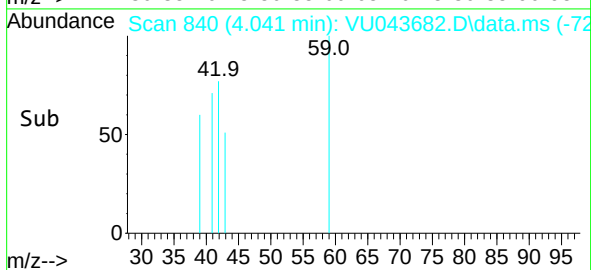
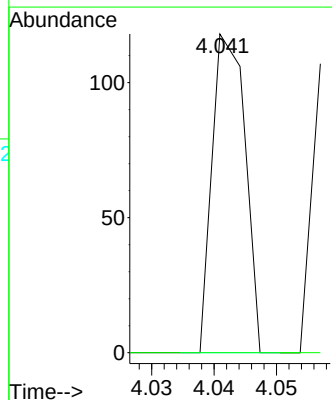
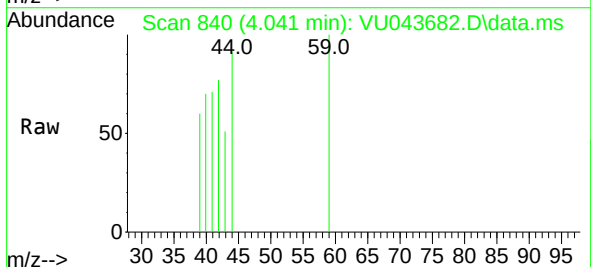
Acq: 12 May 2021 17:02

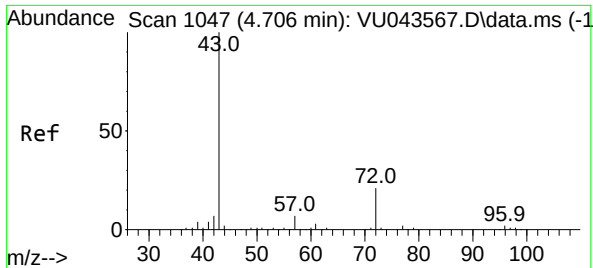
Tgt Ion: 43 Resp: 43

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.2#

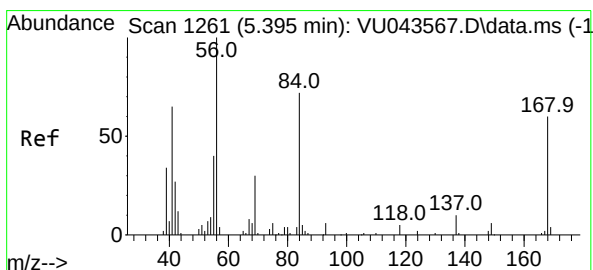
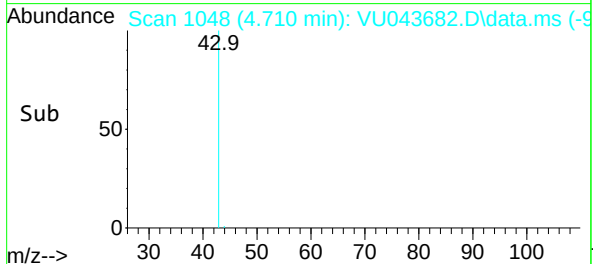
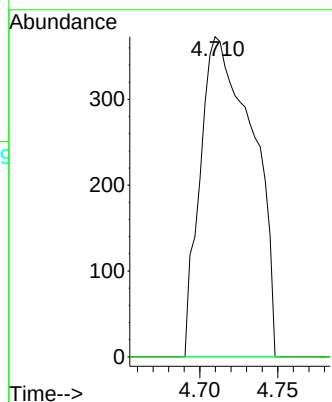
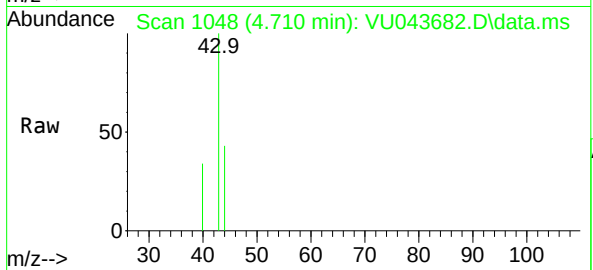




#25
2-Butanone
Concen: 0.42 ug/l
RT: 4.710 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

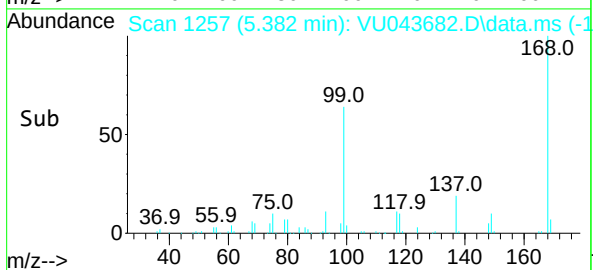
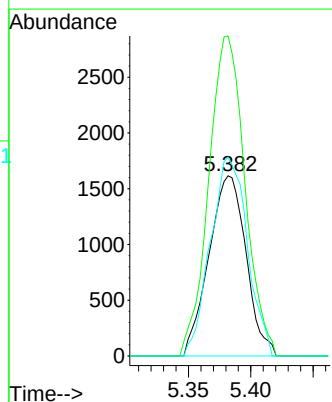
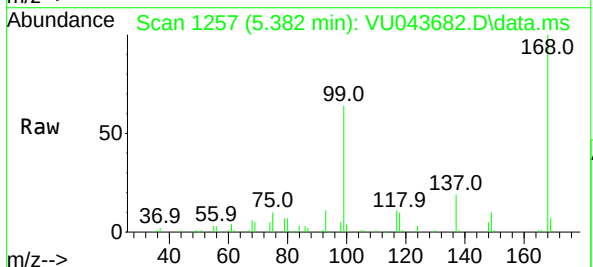
Instrument :
MSVOA_U
ClientSampled :

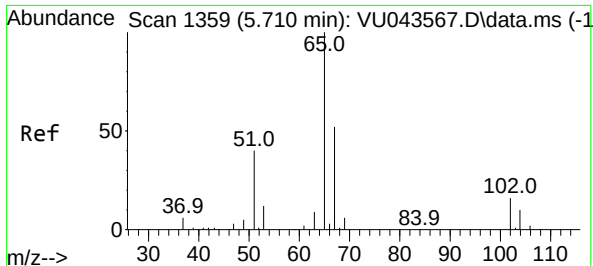
Tgt Ion: 43 Resp: 872
Ion Ratio Lower Upper
43 100
72 0.0 16.5 24.7#



#31
Cyclohexane
Concen: 1.17 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

Tgt Ion: 56 Resp: 3345
Ion Ratio Lower Upper
56 100
69 177.6 23.9 35.9#
84 110.3 57.7 86.5#





#33

1,2-Dichloroethane-d4

Concen: 52.10 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043682.D

Acq: 12 May 2021 17:02

Tgt Ion: 65 Resp: 127625

Ion Ratio Lower Upper

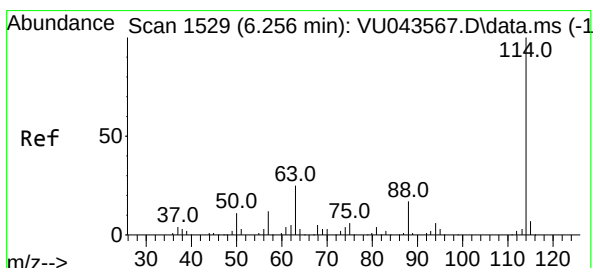
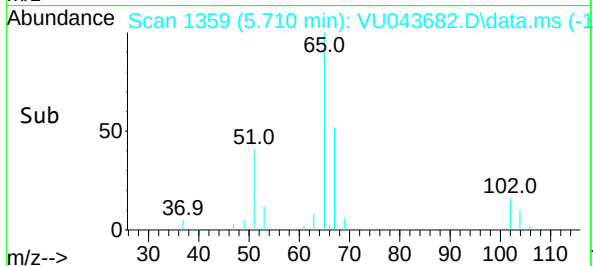
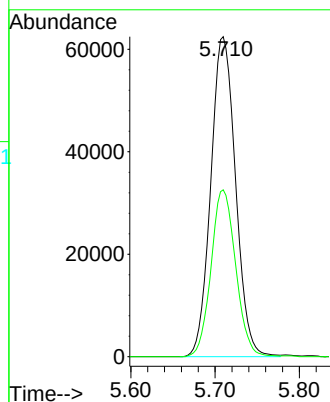
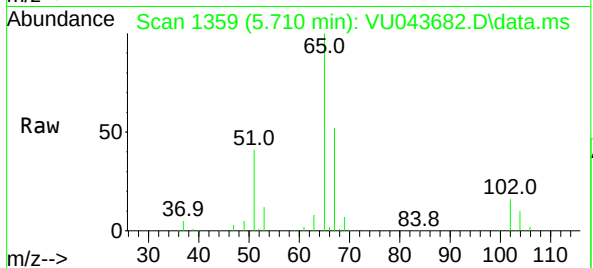
65 100

67 51.8 0.0 104.6

Instrument :

MSVOA_U

ClientSampleId :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043682.D

Acq: 12 May 2021 17:02

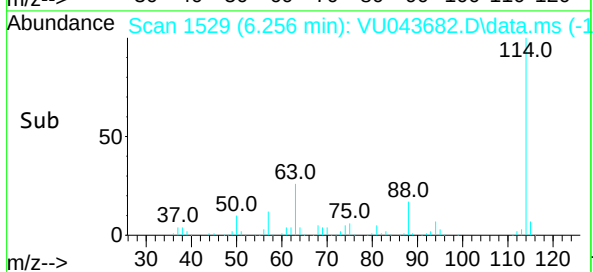
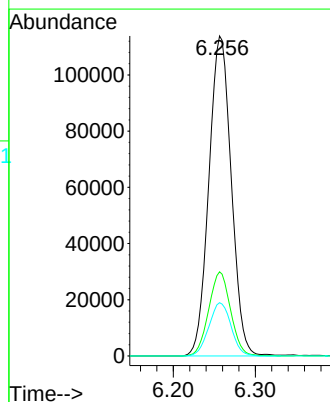
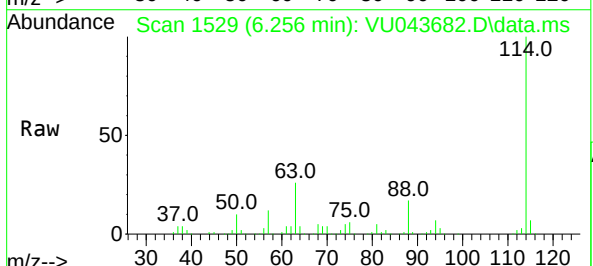
Tgt Ion: 114 Resp: 215716

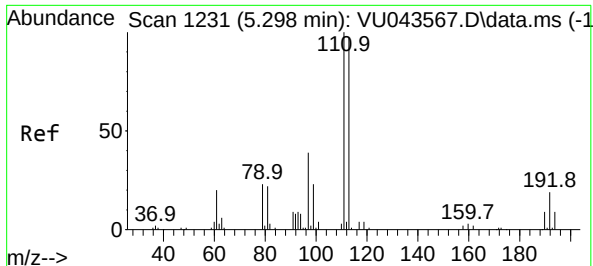
Ion Ratio Lower Upper

114 100

63 26.3 0.0 50.2

88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.56 ug/l

RT: 5.298 min Scan# 1231

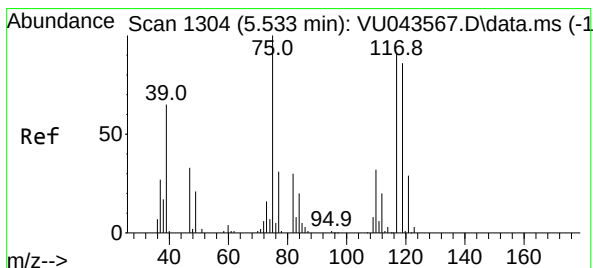
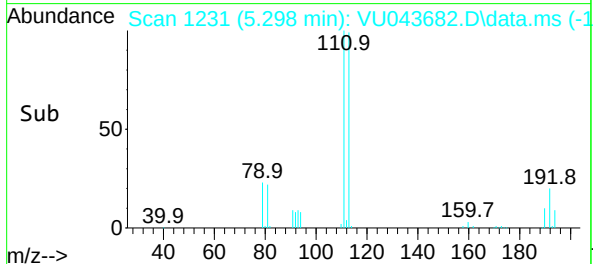
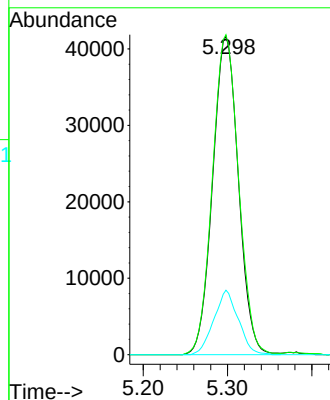
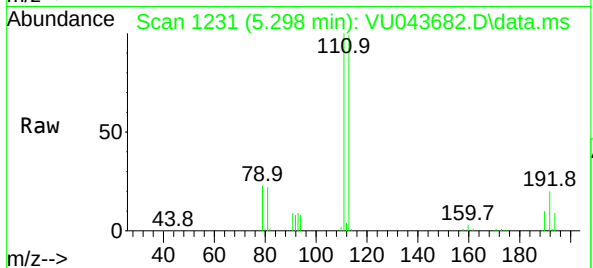
Delta R.T. 0.000 min

Lab File: VU043682.D

Acq: 12 May 2021 17:02

Tgt Ion:	113	Resp:	88226
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.3	123.5
192	19.3	15.8	23.6

Instrument :
MSVOA_U
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.60 ug/l

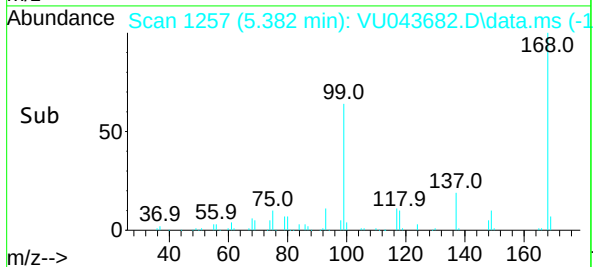
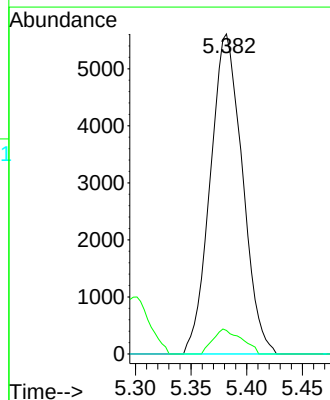
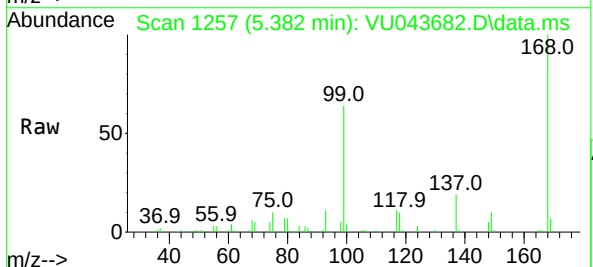
RT: 5.382 min Scan# 1257

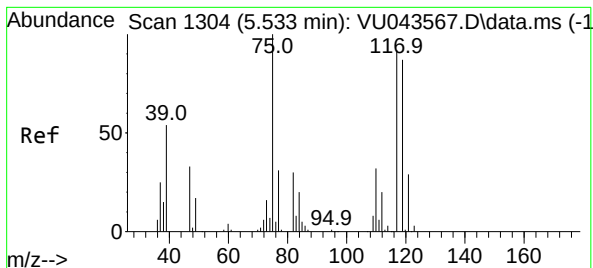
Delta R.T. -0.151 min

Lab File: VU043682.D

Acq: 12 May 2021 17:02

Tgt Ion:	75	Resp:	11255
Ion	Ratio	Lower	Upper
75	100		
110	6.9	16.2	48.5#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 5.12 ug/l

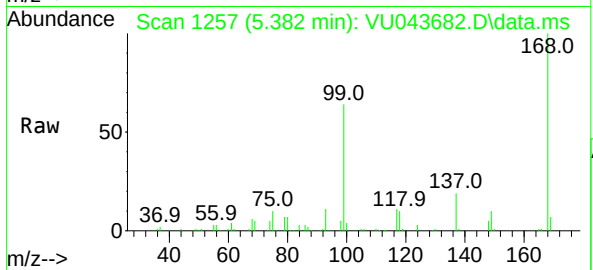
RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

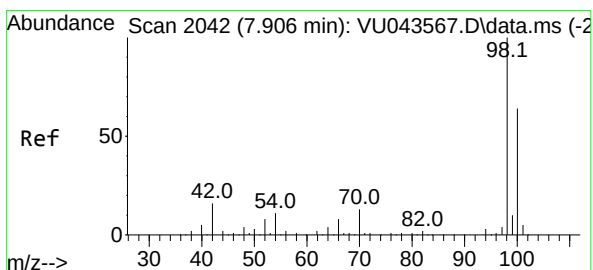
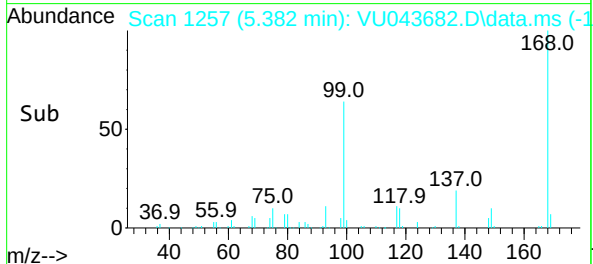
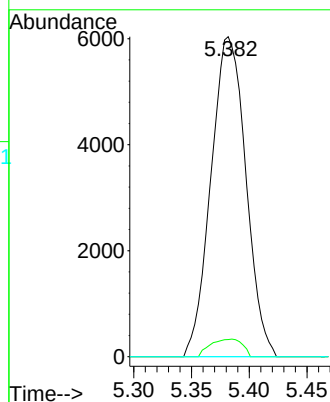
Lab File: VU043682.D

Acq: 12 May 2021 17:02

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	117	Resp:	12704
Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.4	113.0#
121	0.0	25.2	37.8#



#50

Toluene-d8

Concen: 51.92 ug/l

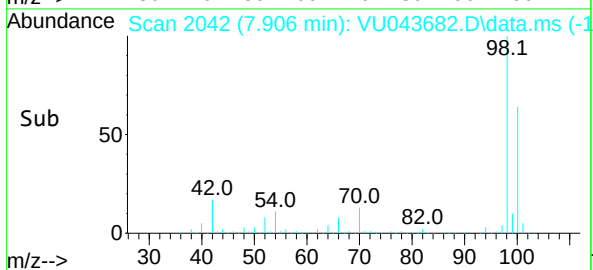
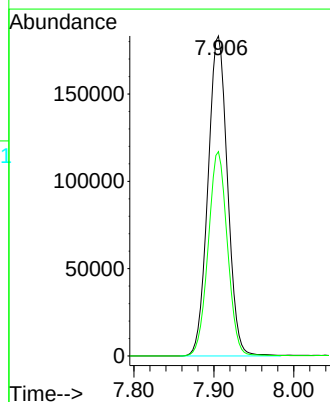
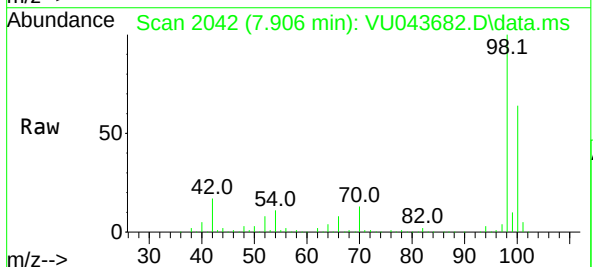
RT: 7.906 min Scan# 2042

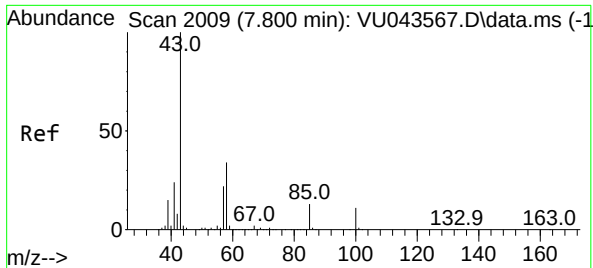
Delta R.T. -0.000 min

Lab File: VU043682.D

Acq: 12 May 2021 17:02

Tgt Ion:	98	Resp:	311014
Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.5	75.7

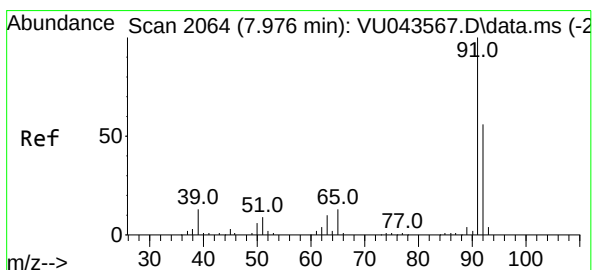
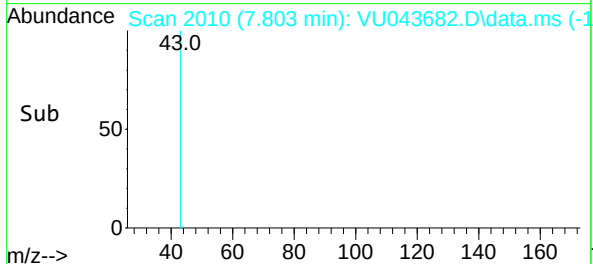
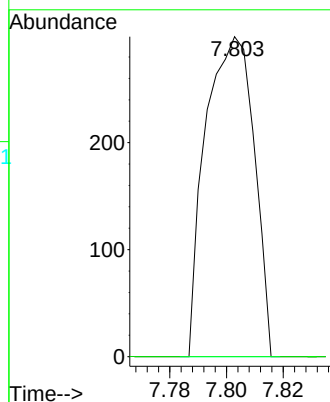
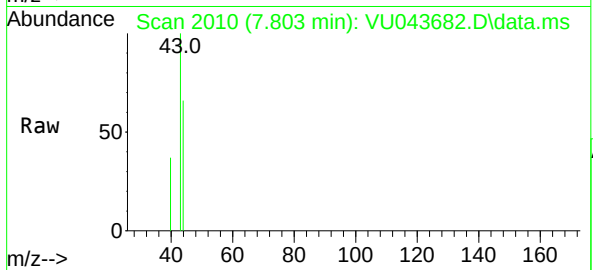




#51
4-Methyl-2-Pentanone
Concen: 19.25 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

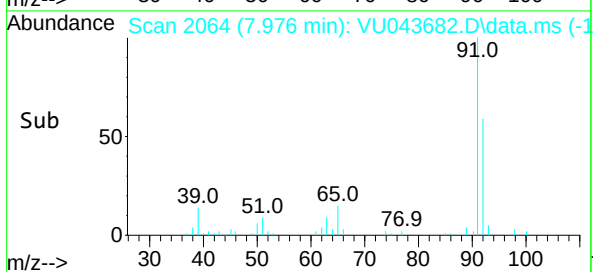
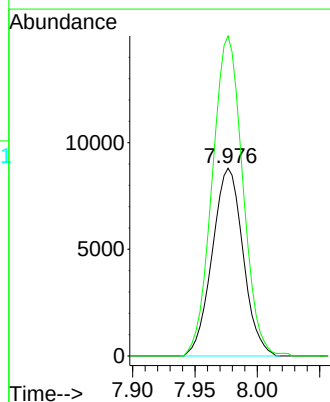
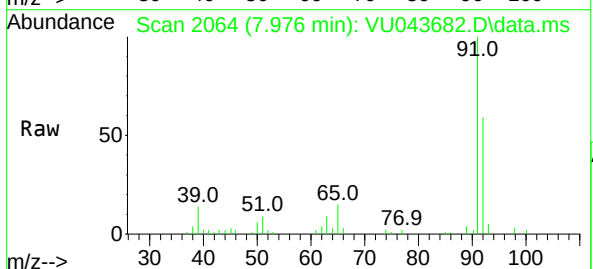
Instrument :
MSVOA_U
ClientSampled :

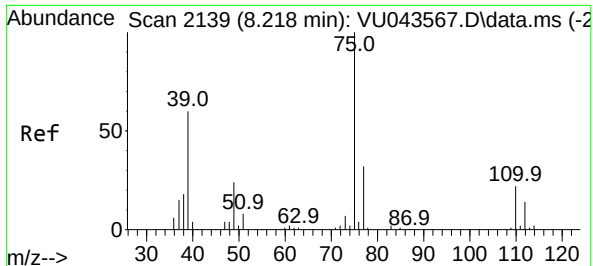
Tgt Ion: 43 Resp: 355
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#



#52
Toluene
Concen: 3.57 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

Tgt Ion: 92 Resp: 15159
Ion Ratio Lower Upper
92 100
91 168.4 140.9 211.3

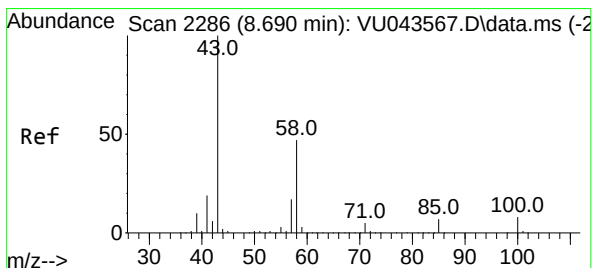
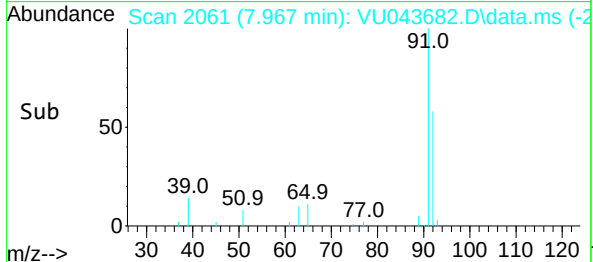
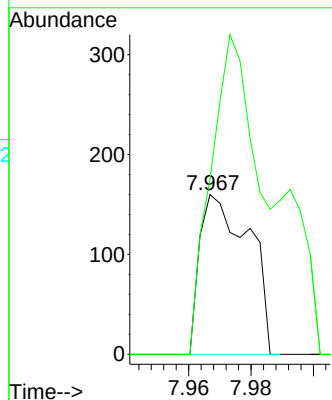
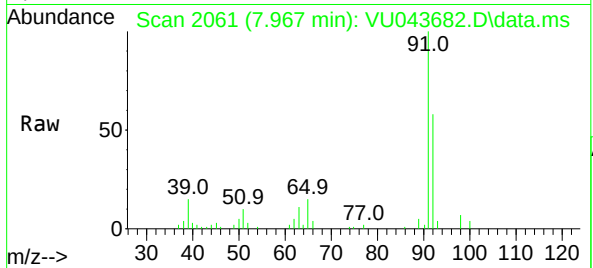




#53
t-1,3-Dichloropropene
Concen: 2.30 ug/l
RT: 7.967 min Scan# 2061
Delta R.T. -0.251 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

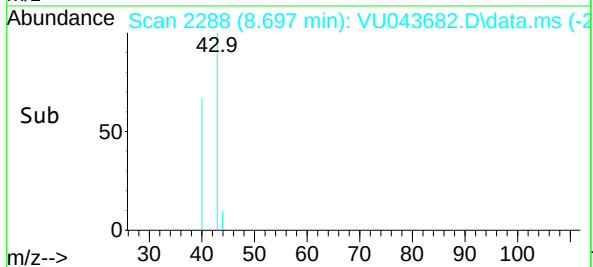
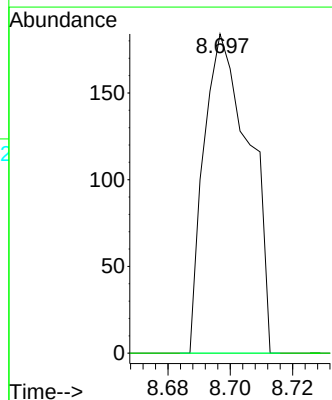
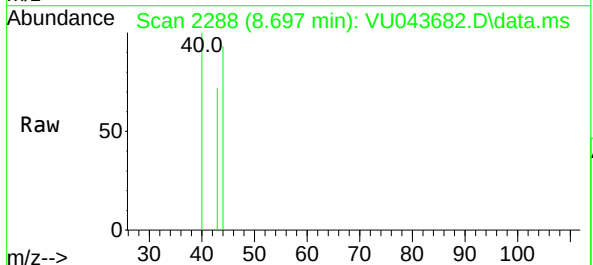
Instrument :
MSVOA_U
ClientSampled :

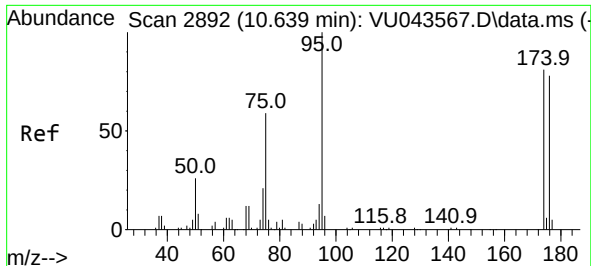
Tgt Ion: 75 Resp: 175
Ion Ratio Lower Upper
75 100
77 109.4 25.5 38.3#



#59
2-Hexanone
Concen: 20.76 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.007 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
58 0.0 23.4 70.2#

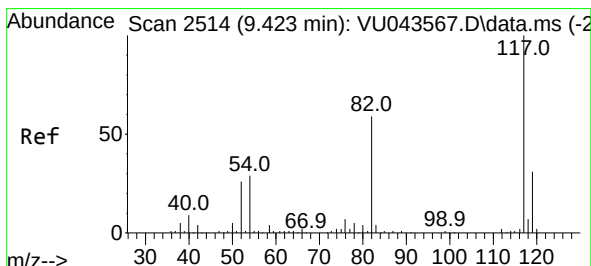
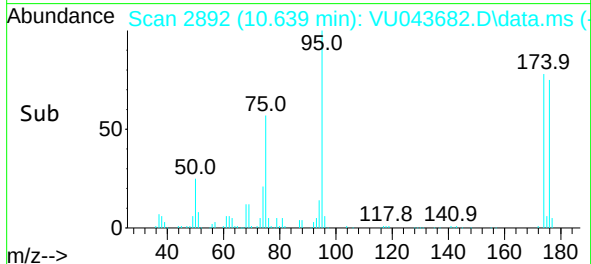
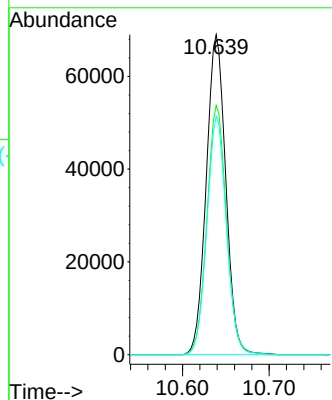
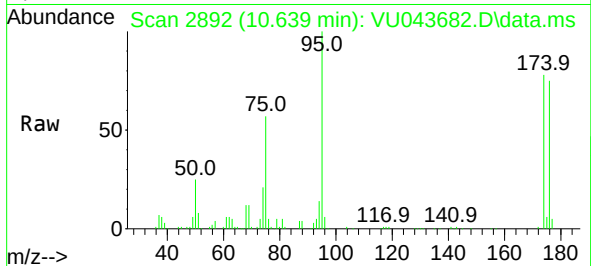




#62
4-Bromofluorobenzene
Concen: 46.26 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

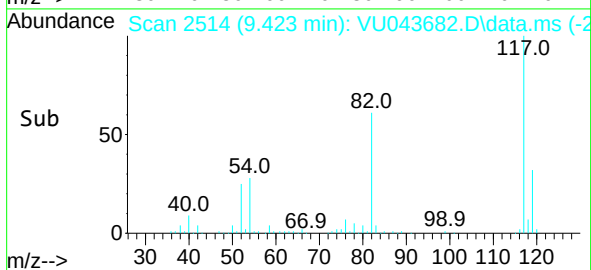
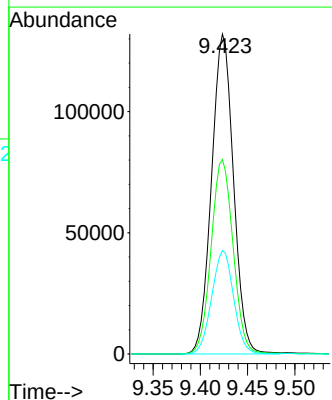
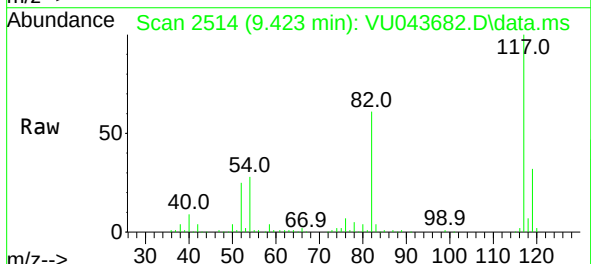
Instrument :
MSVOA_U
ClientSampleId :

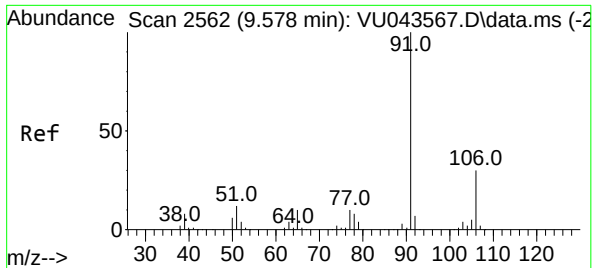
Tgt Ion: 95 Resp: 107988
Ion Ratio Lower Upper
95 100
174 77.9 0.0 158.8
176 74.7 0.0 155.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

Tgt Ion: 117 Resp: 213271
Ion Ratio Lower Upper
117 100
82 60.7 47.5 71.3
119 32.3 24.7 37.1





#67

Ethyl Benzene

Concen: 1.49 ug/l

RT: 9.420 min Scan# 2513

Delta R.T. -0.158 min

Lab File: VU043682.D

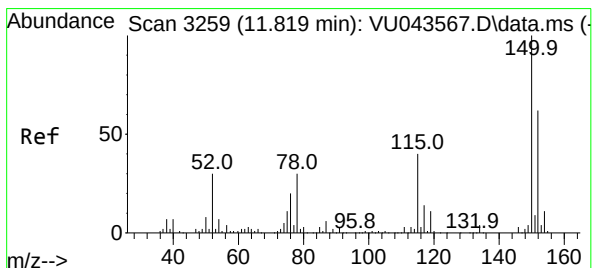
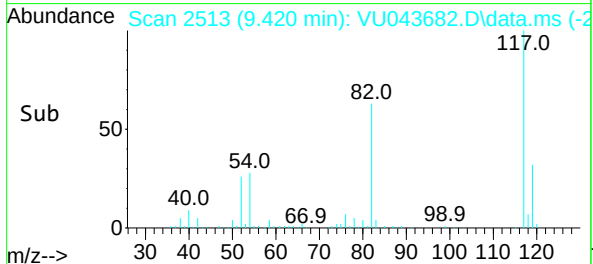
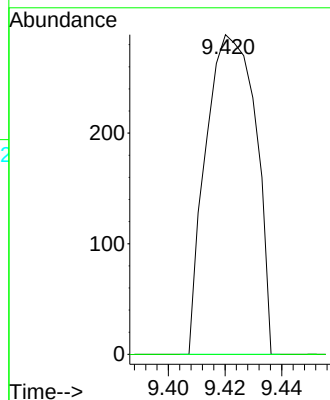
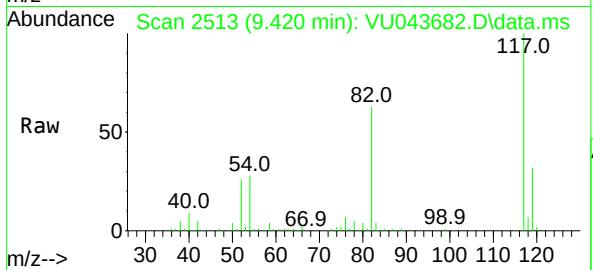
Acq: 12 May 2021 17:02

Tgt Ion: 91 Resp: 351

Ion Ratio Lower Upper

91 100

106 0.0 24.0 36.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.819 min Scan# 3259

Delta R.T. -0.000 min

Lab File: VU043682.D

Acq: 12 May 2021 17:02

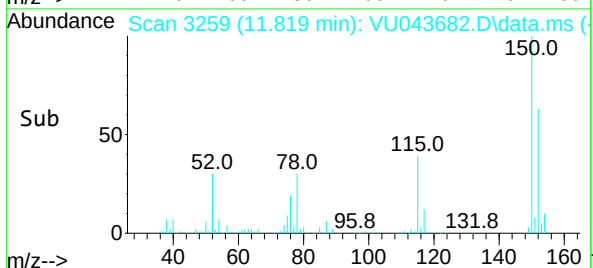
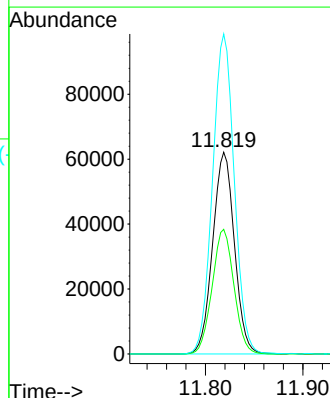
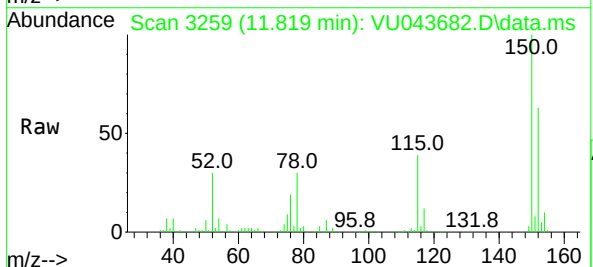
Tgt Ion: 152 Resp: 96279

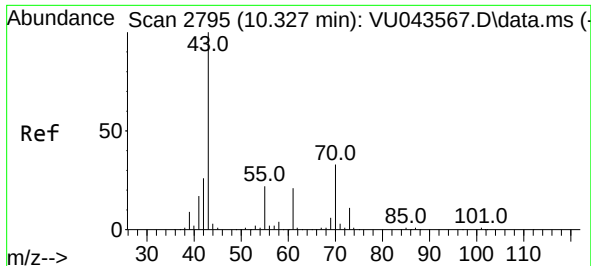
Ion Ratio Lower Upper

152 100

115 61.9 46.1 138.3

150 158.5 0.0 361.0

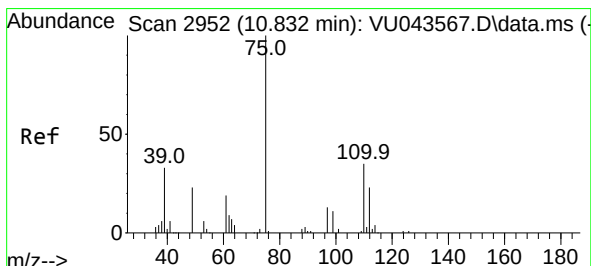
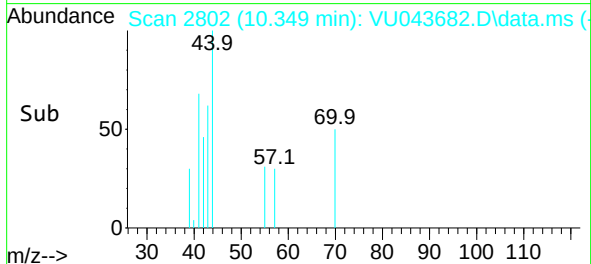
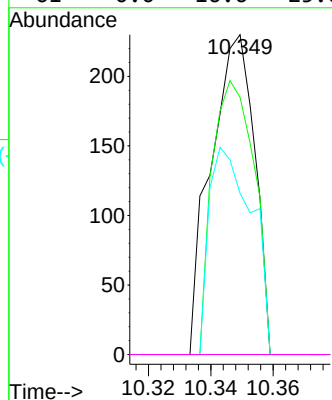
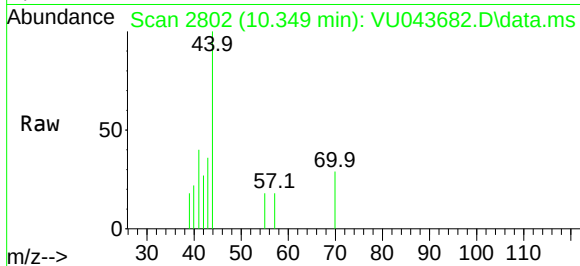




#74
N-amy1 acetate
Concen: 2.56 ug/l
RT: 10.349 min Scan# 2802
Delta R.T. 0.022 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

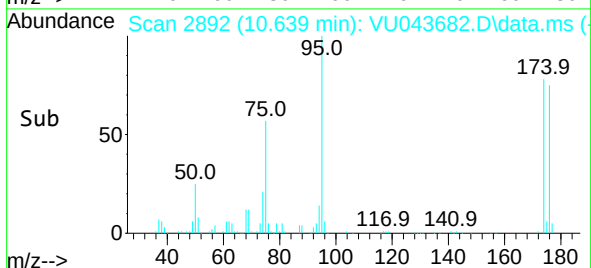
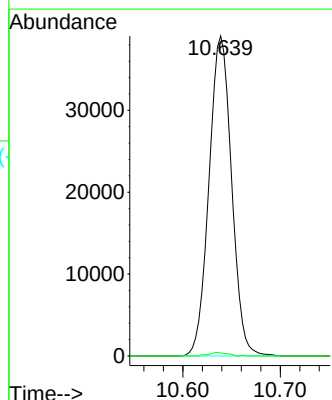
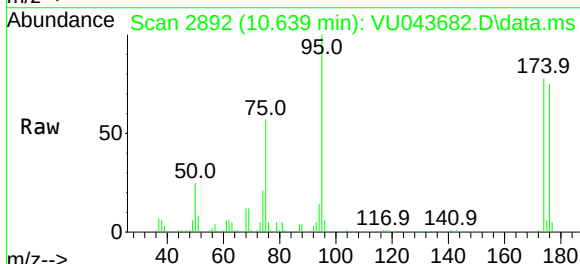
Instrument :
MSVOA_U
ClientSampled :

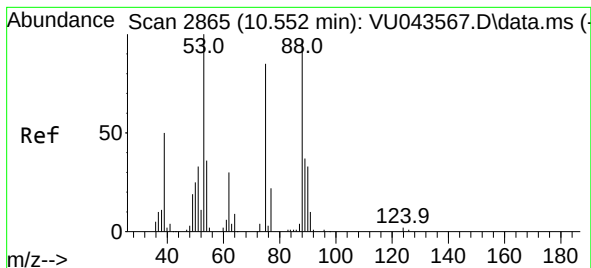
Tgt Ion: 43	Resp: 223
Ion Ratio	Lower Upper
43	100
70	82.1 26.4 39.6#
55	63.2 18.0 27.0#
61	0.0 16.6 25.0#



#76
1,2,3-Trichloropropane
Concen: 20.56 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

Tgt Ion: 75	Resp: 62932
Ion Ratio	Lower Upper
75	100
77	0.9 17.1 51.3#

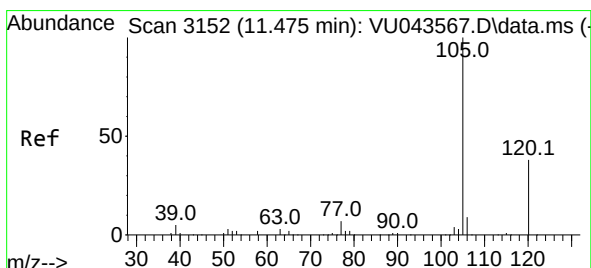
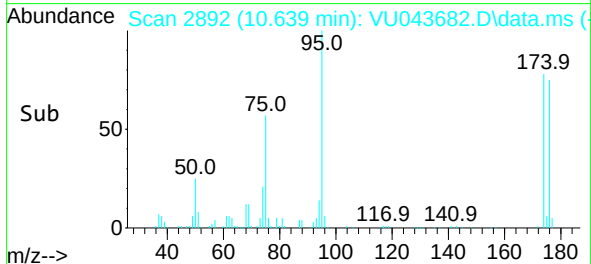
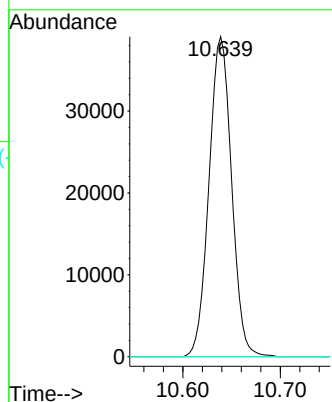
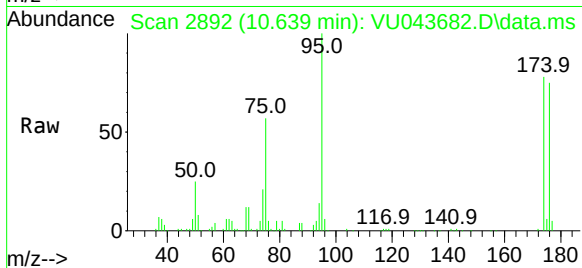




#81
trans-1,4-Dichloro-2-butene
Concen: 66.95 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

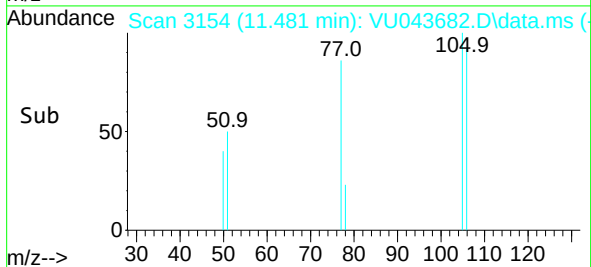
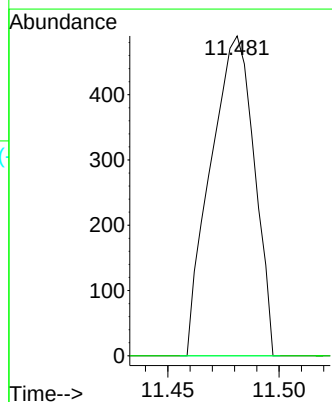
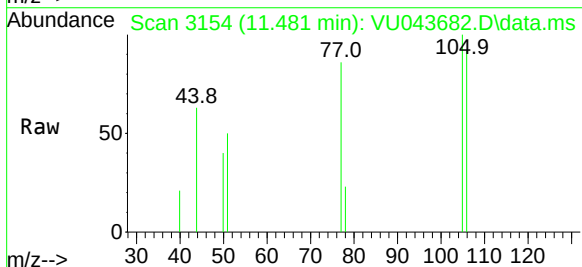
Instrument :
MSVOA_U
ClientSampleId :

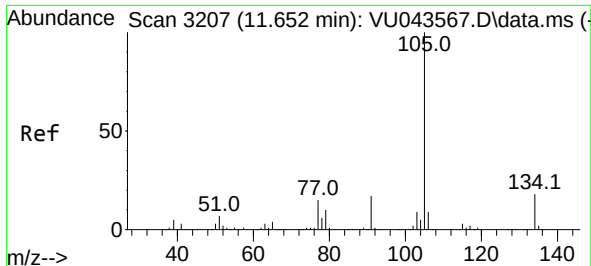
Tgt Ion: 75 Resp: 62932
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#



#84
1,2,4-Trimethylbenzene
Concen: 1.21 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.006 min
Lab File: VU043682.D
Acq: 12 May 2021 17:02

Tgt Ion: 105 Resp: 669
Ion Ratio Lower Upper
105 100
120 0.0 21.4 64.2#

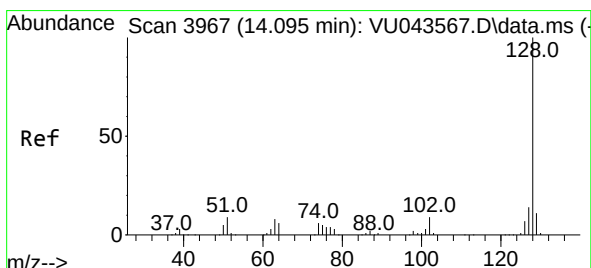
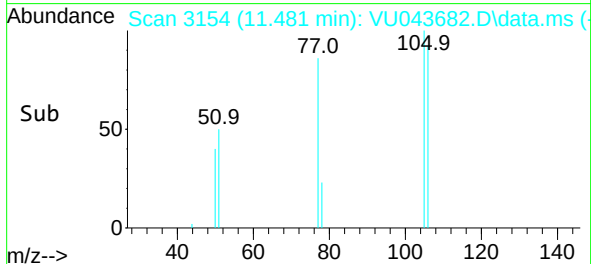
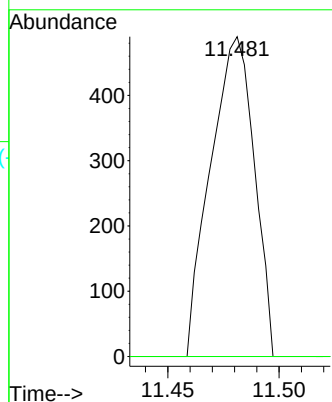
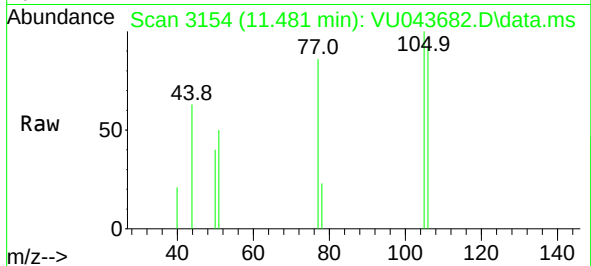




#85
 sec-Butylbenzene
 Concen: 1.42 ug/l
 RT: 11.481 min Scan# 3154
 Delta R.T. -0.171 min
 Lab File: VU043682.D
 Acq: 12 May 2021 17:02

Instrument :
 MSVOA_U
 ClientSampled :

Tgt Ion:105 Resp: 669
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.2 27.6#



#95
 Naphthalene
 Concen: 1.56 ug/l
 RT: 14.098 min Scan# 3968
 Delta R.T. 0.003 min
 Lab File: VU043682.D
 Acq: 12 May 2021 17:02

Tgt Ion:128 Resp: 332
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.6 12.8#

