

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040521\
 Data File : VU042937.D
 Acq On : 05 Apr 2021 17:43
 Operator : SY/MD
 Sample : M1903-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 06 01:21:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 25 05:42:00 2021
 Response via : Initial Calibration

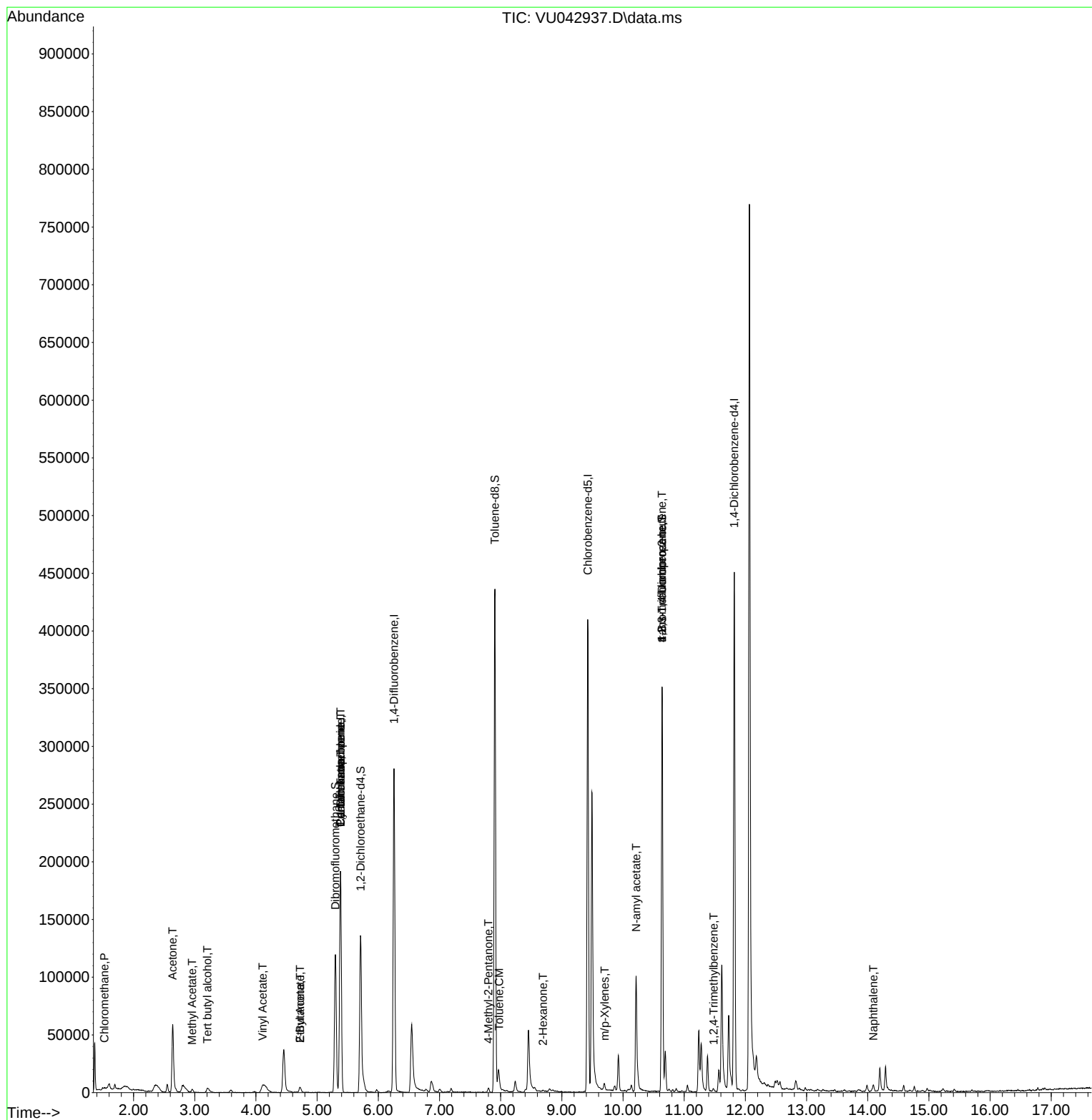
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.382	168	131903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	211384	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	204825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	109354	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	105695	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
35) Dibromofluoromethane	5.298	113	74017	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
50) Toluene-d8	7.906	98	268198	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	10.639	95	103020	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	495	0.29	ug/l #	84
5) Bromomethane	1.864	94	110	Below Cal		86
6) Chloroethane	1.906	64	136	Below Cal	#	43
11) Tert butyl alcohol	3.208	59	7066	15.72	ug/l #	87
13) Acrolein	2.202	56	45	Below Cal	#	15
16) Acetone	2.639	43	76301	60.91	ug/l	97
18) Methyl Acetate	2.954	43	3487	1.45	ug/l	96
23) Vinyl Acetate	4.109	43	1982	0.40	ug/l #	76
25) 2-Butanone	4.723	43	7582	4.43	ug/l	91
31) Cyclohexane	5.382	56	3103	1.19	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	11067	5.29	ug/l #	49
37) Ethyl Acetate	4.723	43	7582	2.34	ug/l #	72
38) Carbon Tetrachloride	5.382	117	13600	5.70	ug/l #	18
49) 1,4-Dioxane	6.993	88	246	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.800	43	2942	0.86	ug/l	89
52) Toluene	7.977	92	1008	0.26	ug/l	95
59) 2-Hexanone	8.694	43	997	0.37	ug/l #	61
68) m/p-Xylenes	9.703	106	727	0.26	ug/l	94
74) N-amyl acetate	10.214	43	25202	6.45	ug/l #	1
76) 1,2,3-Trichloropropane	10.639	75	58877	21.17	ug/l #	37
81) trans-1,4-Dichloro-2-b...	10.639	75	58877	62.72	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.481	105	1285	0.21	ug/l	66
95) Naphthalene	14.092	128	3975	3.08	ug/l	98

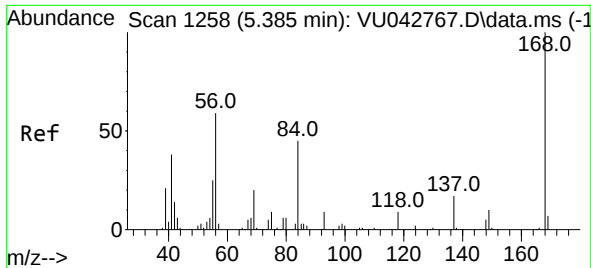
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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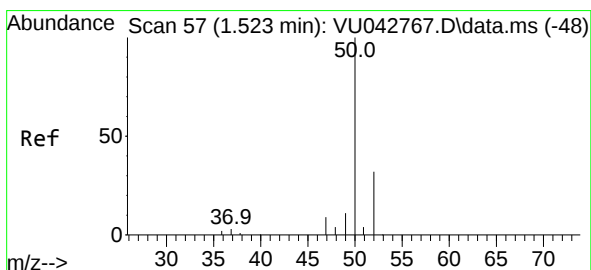
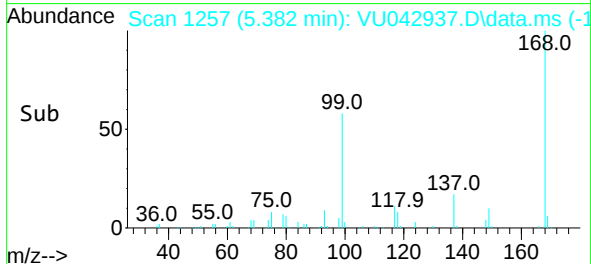
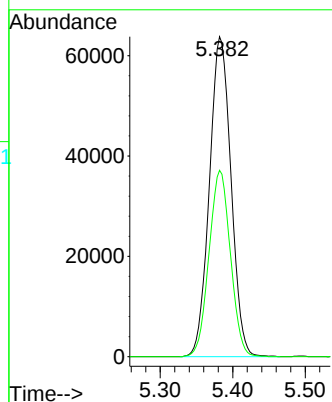
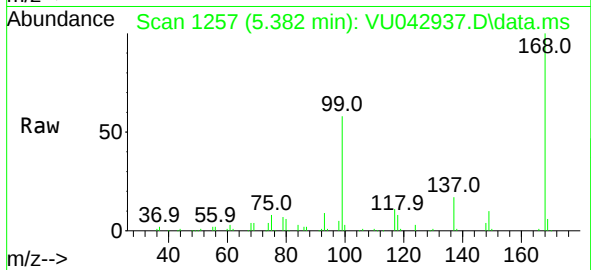




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

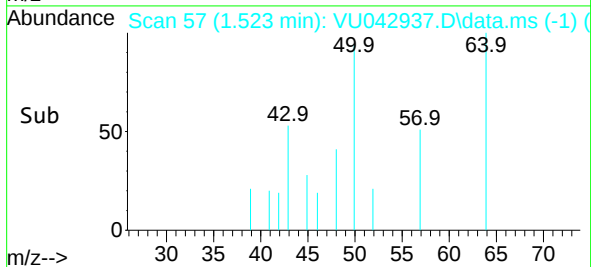
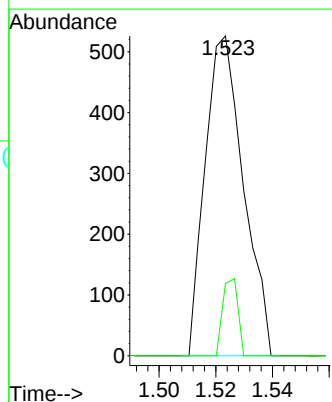
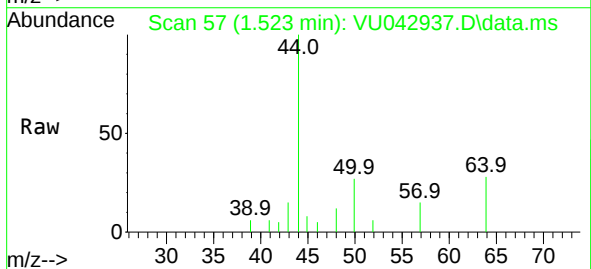
Instrument :
MSVOA_U
ClientSampleId :

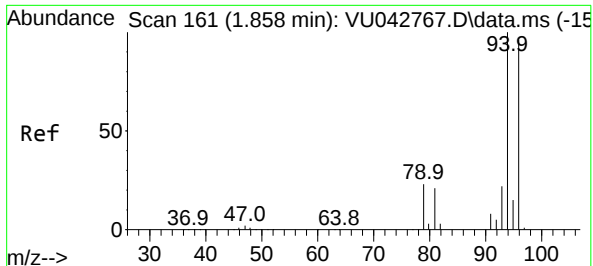
Tgt Ion:168 Resp: 131903
Ion Ratio Lower Upper
168 100
99 58.2 46.4 69.6



#3
Chloromethane
Concen: 0.29 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

Tgt Ion: 50 Resp: 495
Ion Ratio Lower Upper
50 100
52 22.6 25.4 38.0#

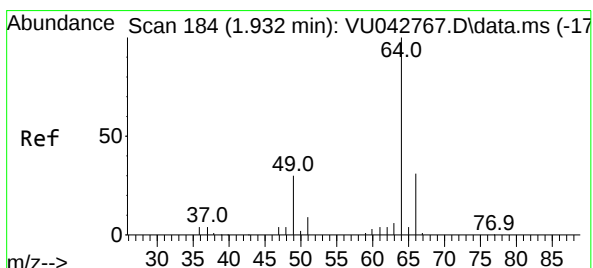
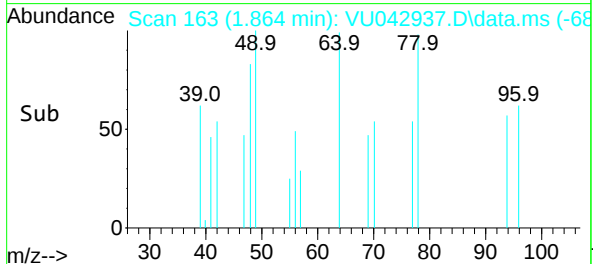
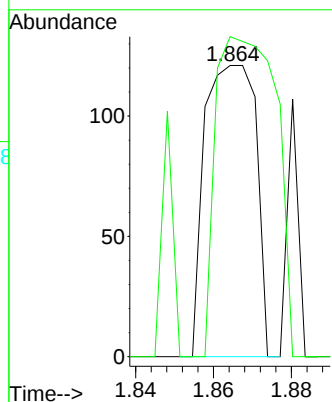
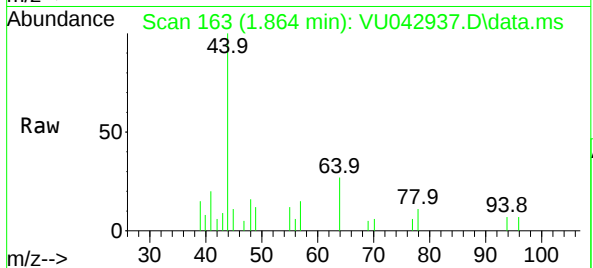




#5
Bromomethane
Concen: Below Cal
RT: 1.864 min Scan# 163
Delta R.T. 0.006 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

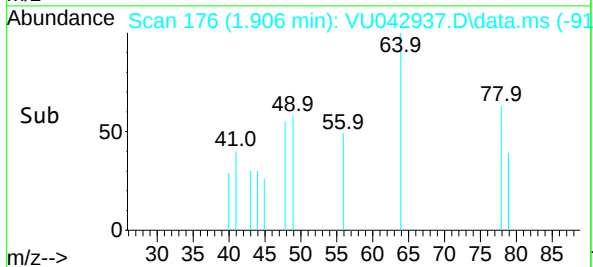
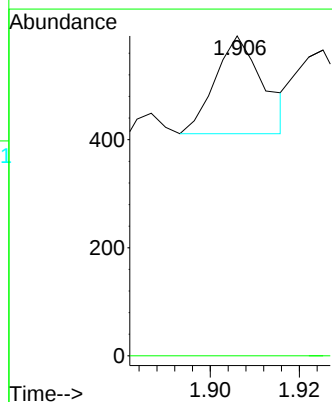
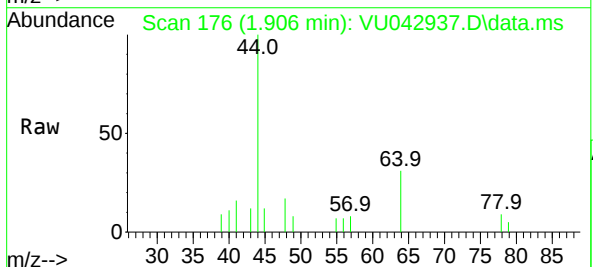
Instrument :
MSVOA_U
ClientSampled :

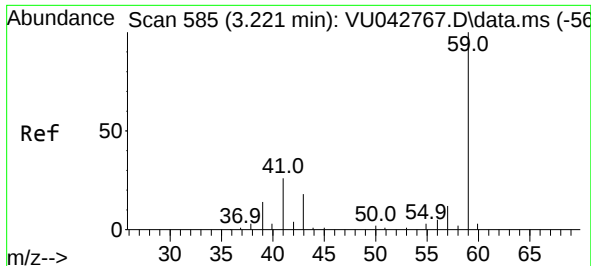
Tgt Ion: 94 Resp: 110
Ion Ratio Lower Upper
94 100
96 109.9 77.1 115.7



#6
Chloroethane
Concen: Below Cal
RT: 1.906 min Scan# 176
Delta R.T. -0.026 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



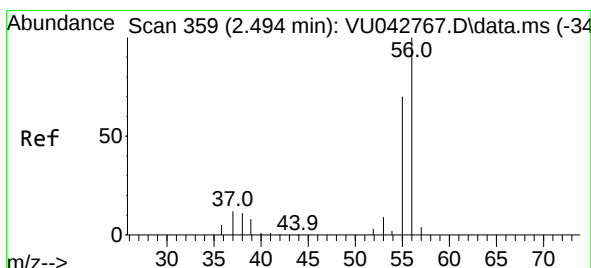
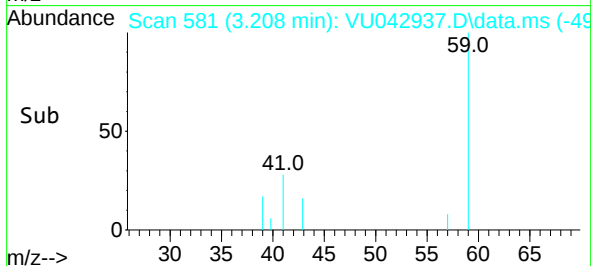
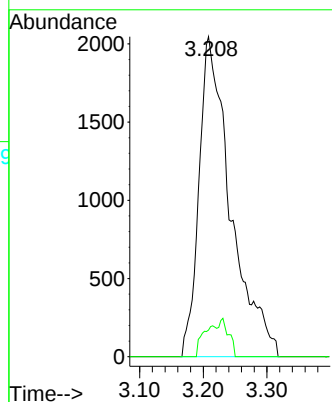
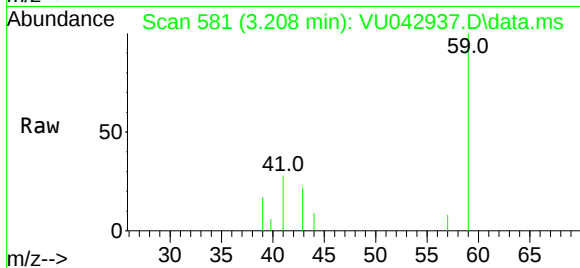


#11

Tert butyl alcohol
Concen: 15.72 ug/l
RT: 3.208 min Scan# 581
Delta R.T. -0.013 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

Instrument :
MSVOA_U
ClientSampleId :

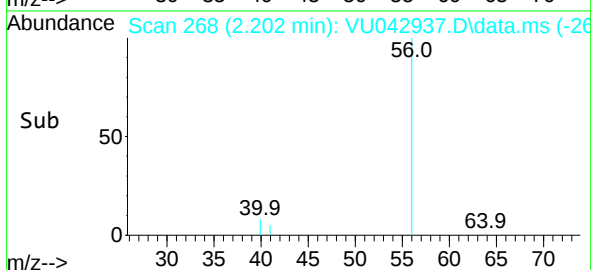
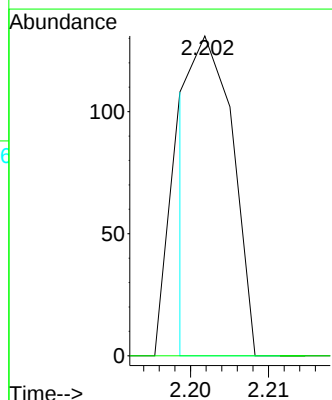
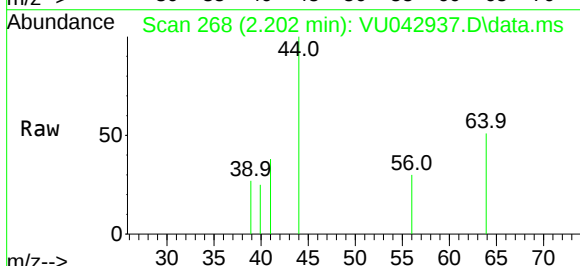
Tgt Ion: 59 Resp: 7066
Ion Ratio Lower Upper
59 100
57 4.5 7.4 11.2#

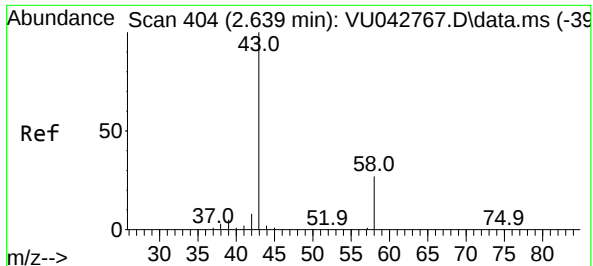


#13

Acrolein
Concen: Below Cal
RT: 2.202 min Scan# 268
Delta R.T. -0.292 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

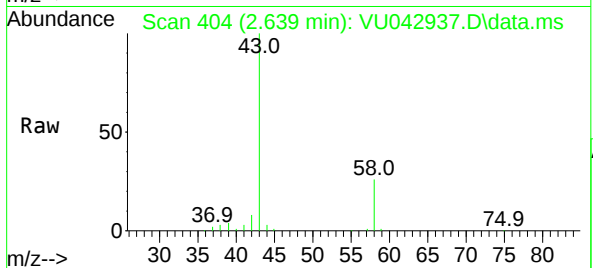
Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



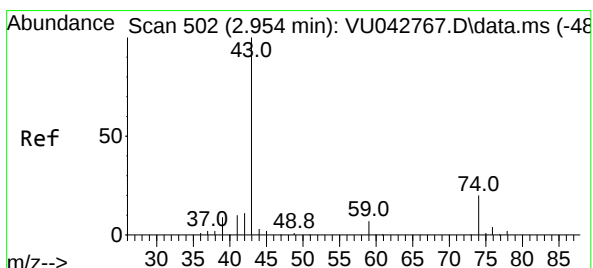
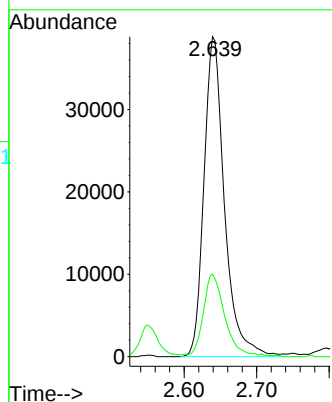
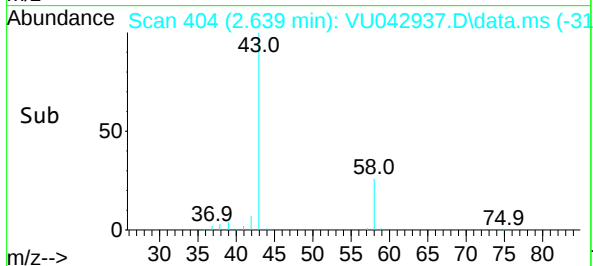


#16
Acetone
Concen: 60.91 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.000 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

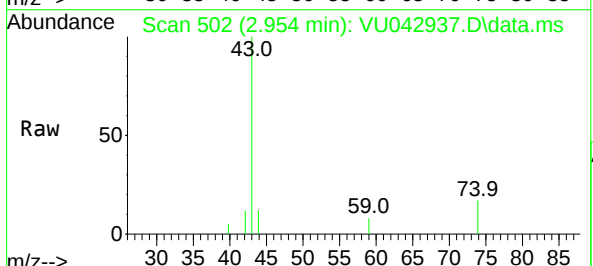
Instrument :
MSVOA_U
ClientSampled :



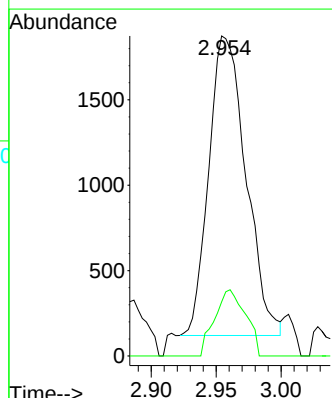
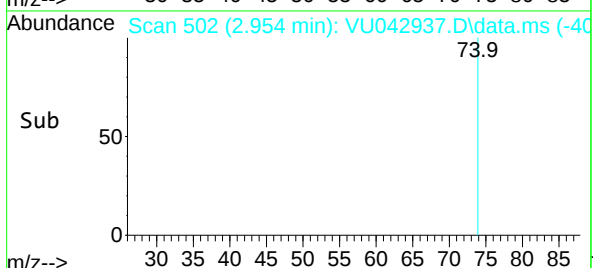
Tgt Ion: 43 Resp: 76301
Ion Ratio Lower Upper
43 100
58 25.5 21.6 32.4

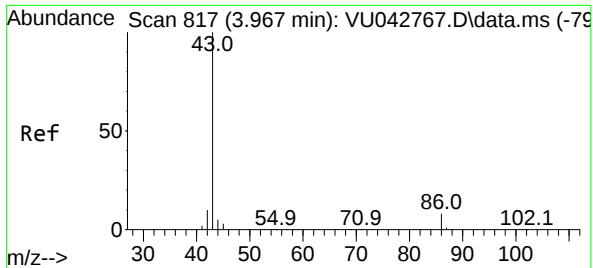


#18
Methyl Acetate
Concen: 1.45 ug/l
RT: 2.954 min Scan# 502
Delta R.T. -0.000 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43



Tgt Ion: 43 Resp: 3487
Ion Ratio Lower Upper
43 100
74 18.4 16.2 24.4

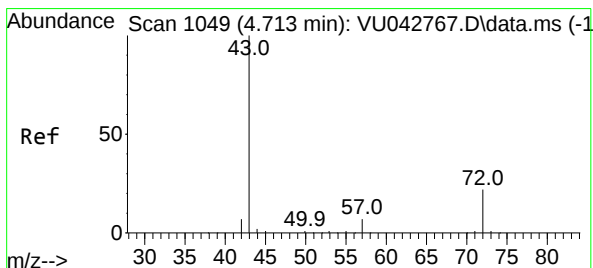
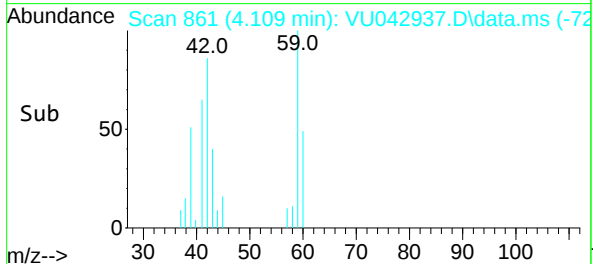
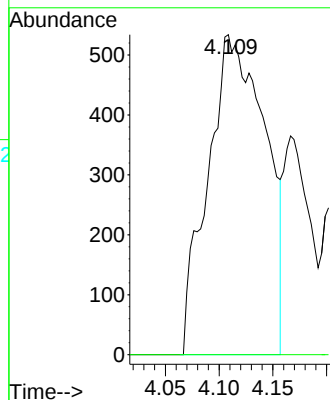
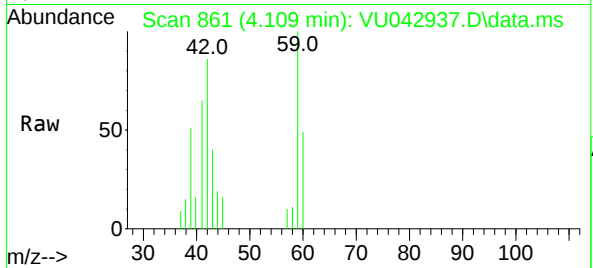




#23
 Vinyl Acetate
 Concen: 0.40 ug/l
 RT: 4.109 min Scan# 861
 Delta R.T. 0.141 min
 Lab File: VU042937.D
 Acq: 05 Apr 2021 17:43

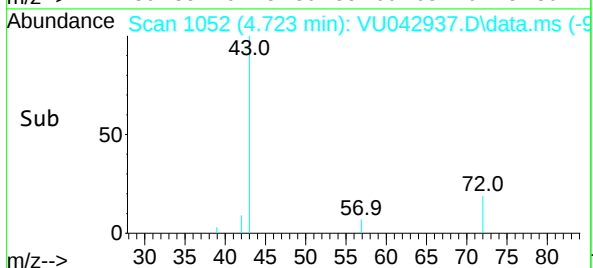
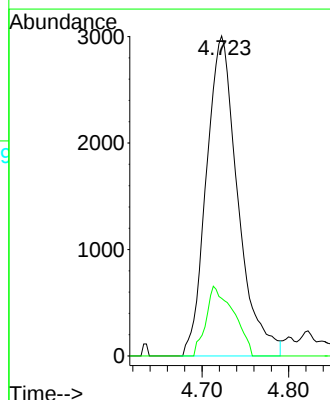
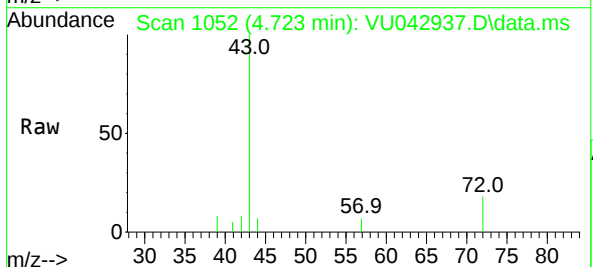
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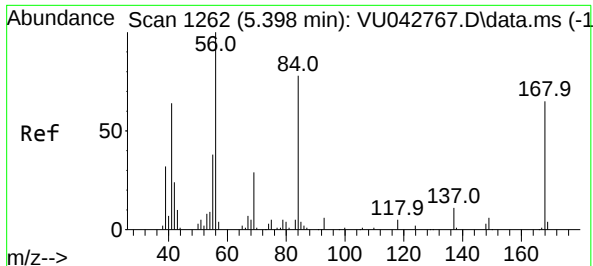
Tgt Ion: 43 Resp: 1982
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.7 10.1#



#25
 2-Butanone
 Concen: 4.43 ug/l
 RT: 4.723 min Scan# 1052
 Delta R.T. 0.010 min
 Lab File: VU042937.D
 Acq: 05 Apr 2021 17:43

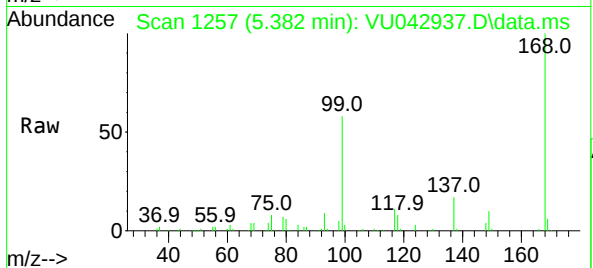
Tgt Ion: 43 Resp: 7582
 Ion Ratio Lower Upper
 43 100
 72 18.0 17.7 26.5



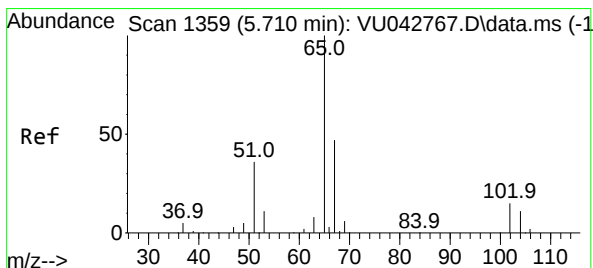
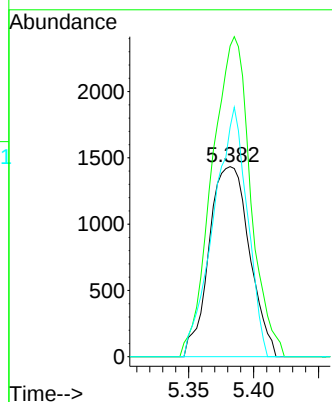
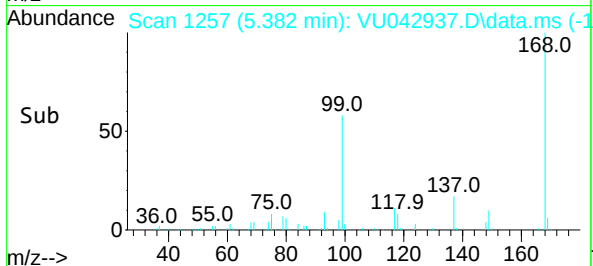


#31
Cyclohexane
Concen: 1.19 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

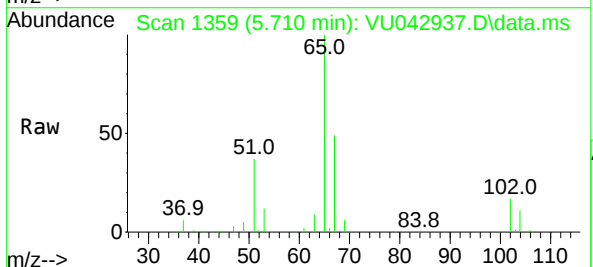
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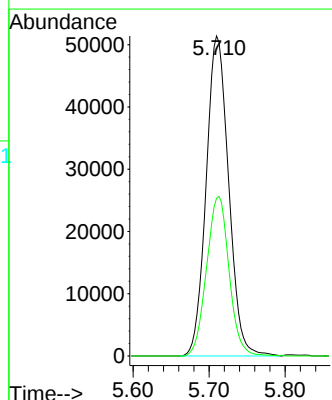
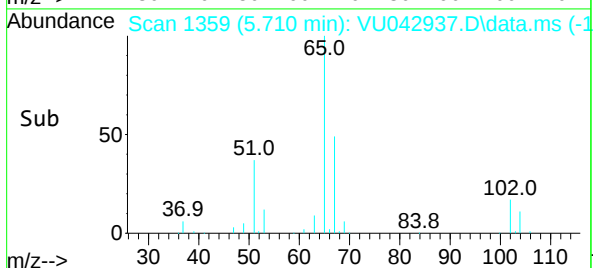
Tgt Ion: 56 Resp: 3103
Ion Ratio Lower Upper
56 100
69 163.5 23.3 34.9#
84 120.7 62.2 93.4#

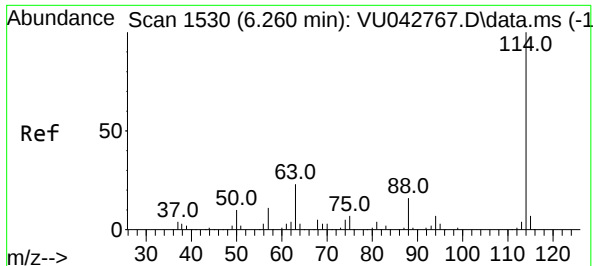


#33
1,2-Dichloroethane-d4
Concen: 50.27 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43



Tgt Ion: 65 Resp: 105695
Ion Ratio Lower Upper
65 100
67 49.8 0.0 98.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. -0.004 min

Lab File: VU042937.D

Acq: 05 Apr 2021 17:43

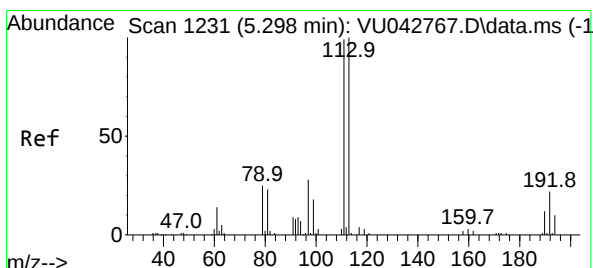
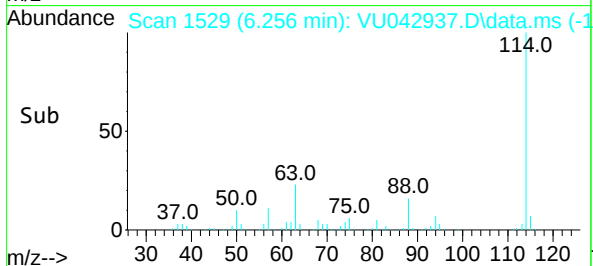
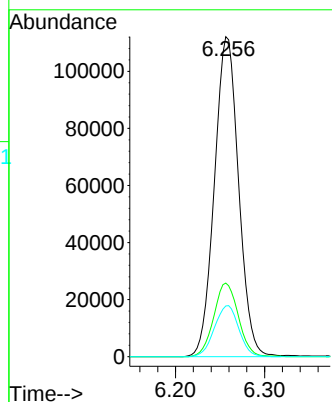
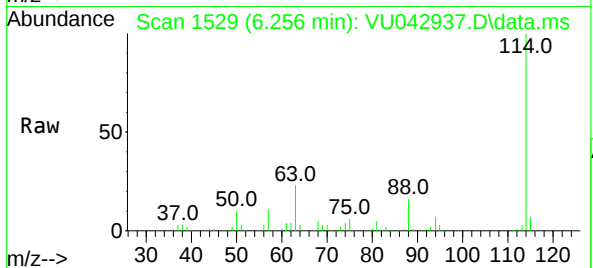
Tgt Ion:114 Resp: 211384

Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.8

88 15.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.92 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VU042937.D

Acq: 05 Apr 2021 17:43

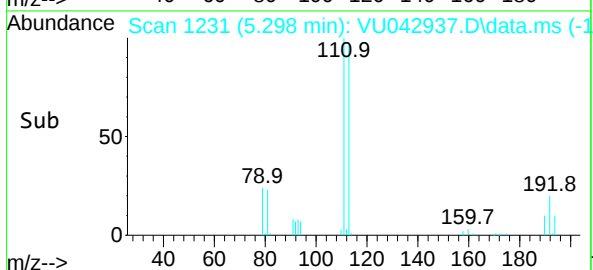
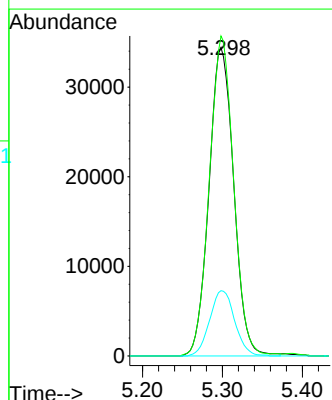
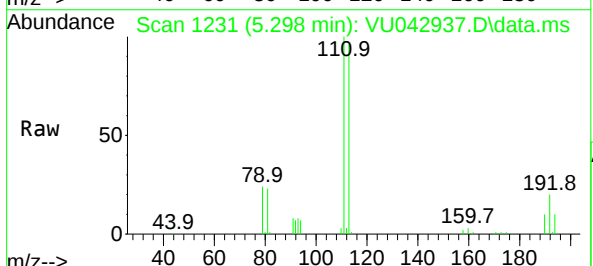
Tgt Ion:113 Resp: 74017

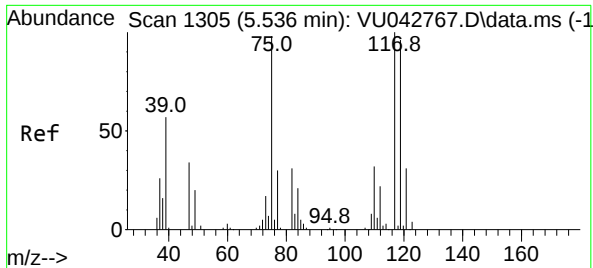
Ion Ratio Lower Upper

113 100

111 101.5 82.1 123.1

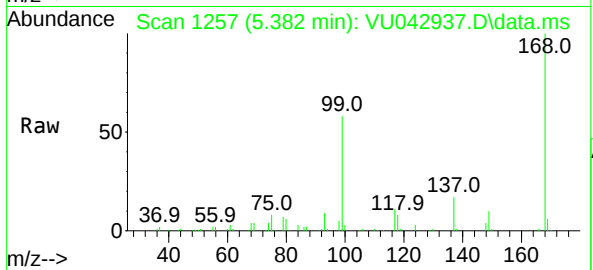
192 21.4 17.6 26.4



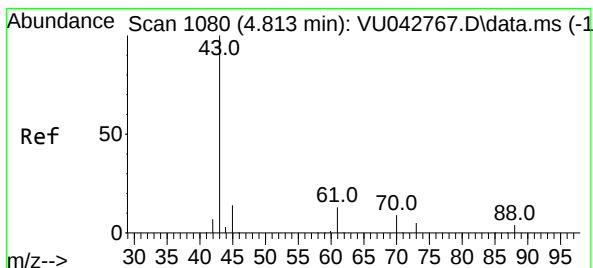
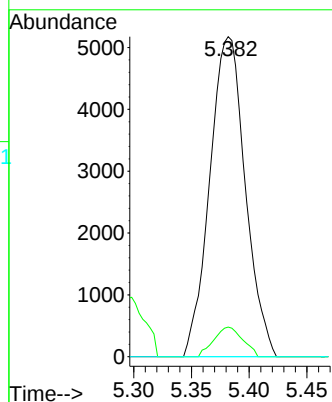
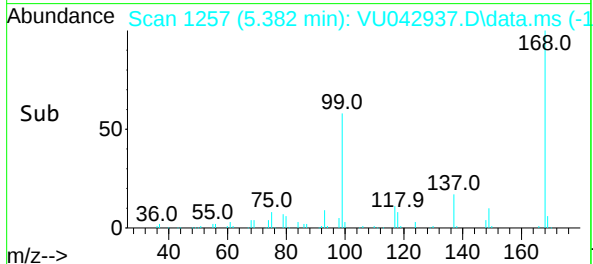


#36
1,1-Dichloropropene
Concen: 5.29 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.154 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

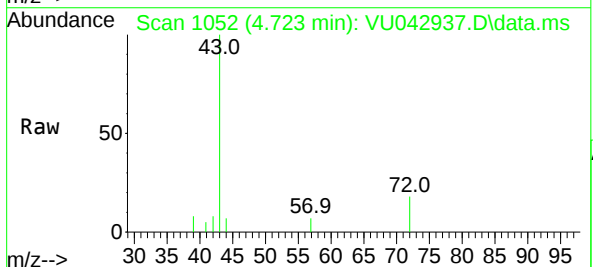
Instrument :
MSVOA_U
ClientSampleId :



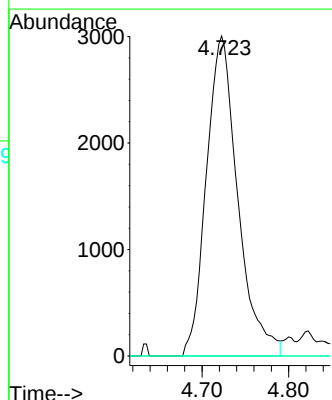
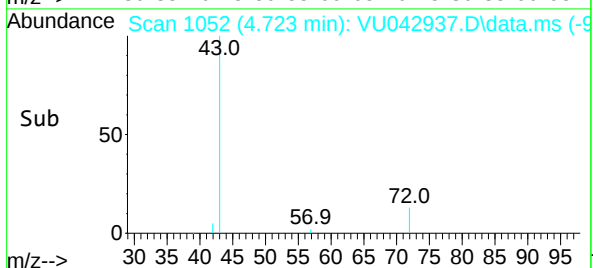
Tgt Ion: 75 Resp: 11067
Ion Ratio Lower Upper
75 100
110 7.5 16.6 49.7#
77 0.0 24.7 37.1#

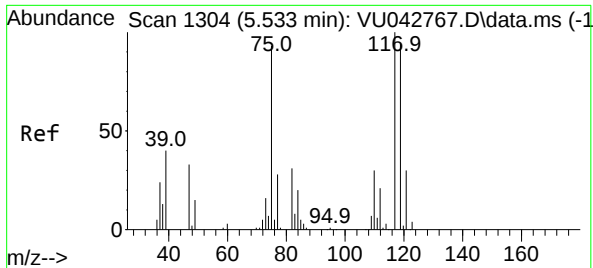


#37
Ethyl Acetate
Concen: 2.34 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. -0.090 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43



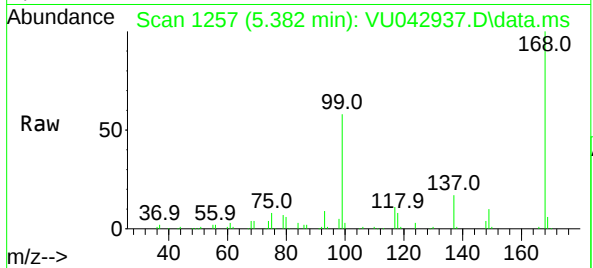
Tgt Ion: 43 Resp: 7582
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 6.6 9.8#



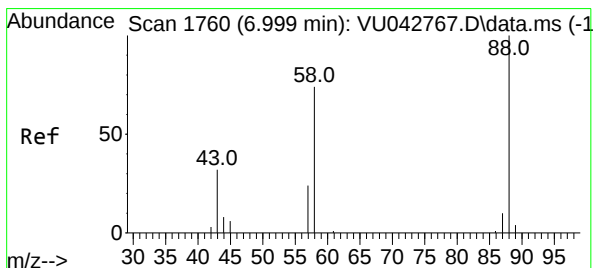
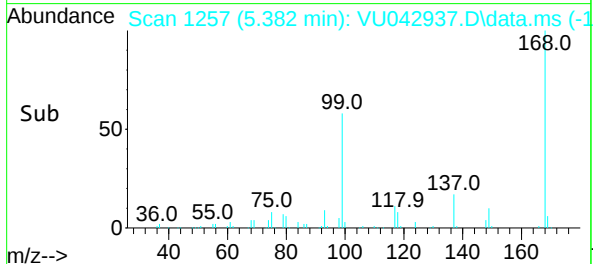
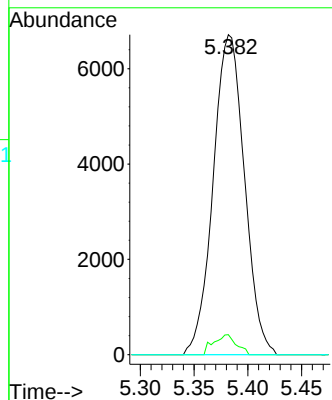


#38
Carbon Tetrachloride
Concen: 5.70 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

Instrument :
MSVOA_U
ClientSampleId :

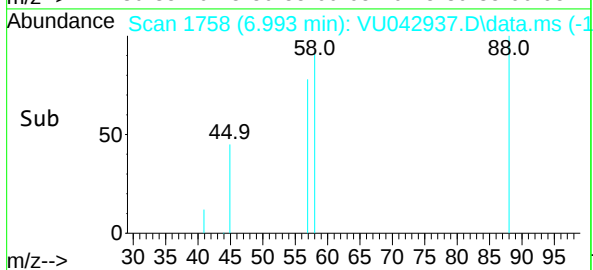
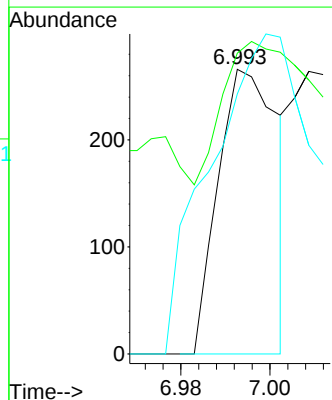
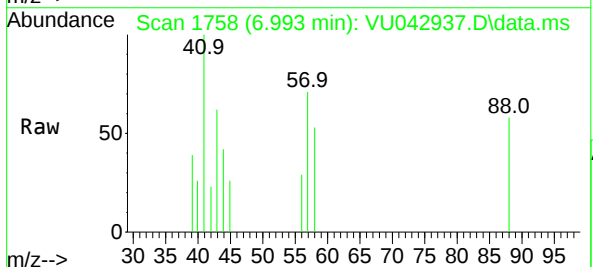


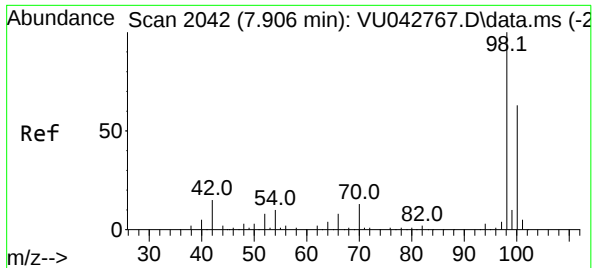
Tgt Ion:117 Resp: 13600
Ion Ratio Lower Upper
117 100
119 6.3 75.2 112.8#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.993 min Scan# 1758
Delta R.T. -0.006 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

Tgt Ion: 88 Resp: 246
Ion Ratio Lower Upper
88 100
43 114.2 25.4 38.0#
58 237.8 62.5 93.7#

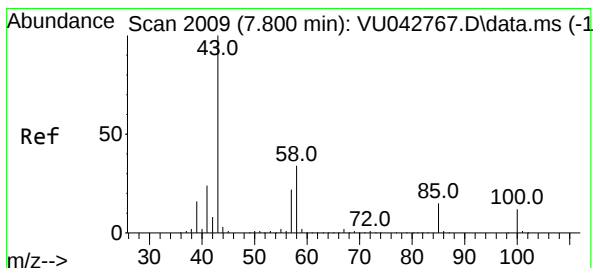
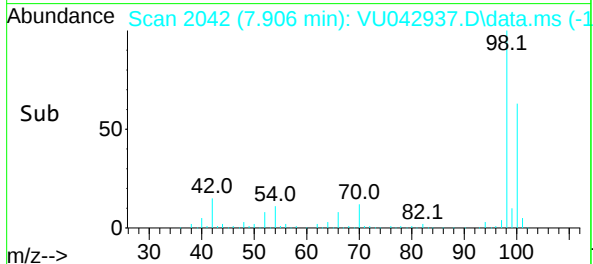
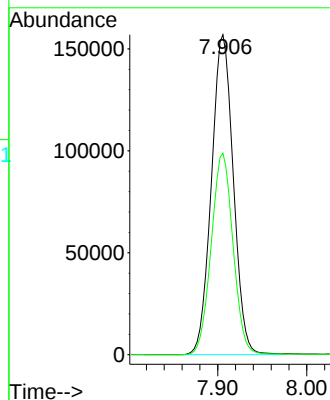
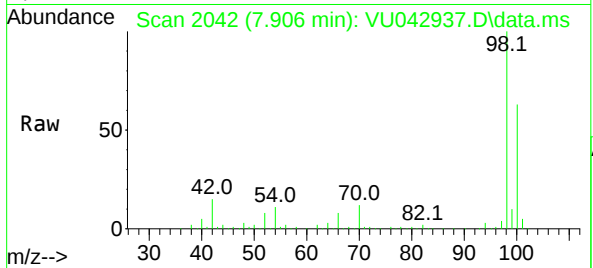




#50
Toluene-d8
Concen: 48.32 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

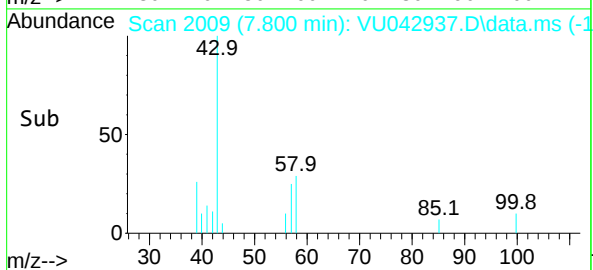
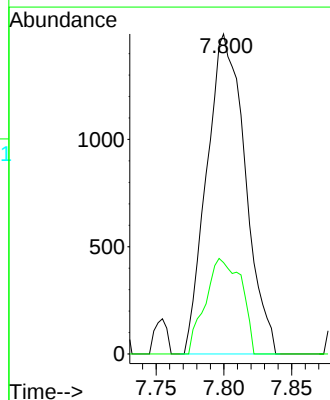
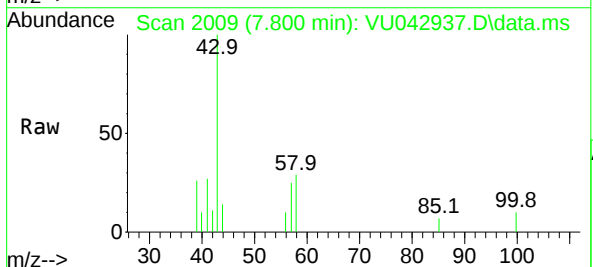
Instrument :
MSVOA_U
ClientSampled :

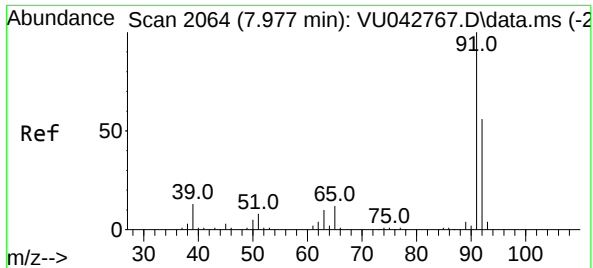
Tgt Ion: 98 Resp: 268198
Ion Ratio Lower Upper
98 100
100 62.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.86 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

Tgt Ion: 43 Resp: 2942
Ion Ratio Lower Upper
43 100
58 27.9 27.4 41.2

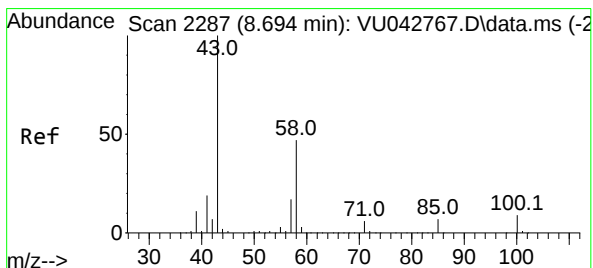
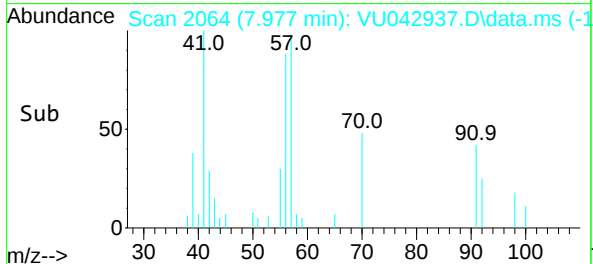
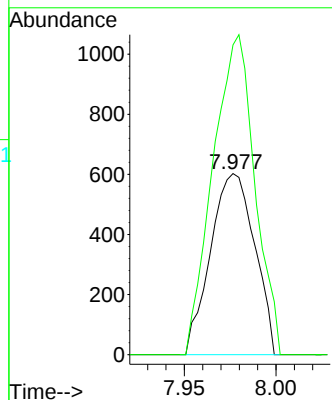
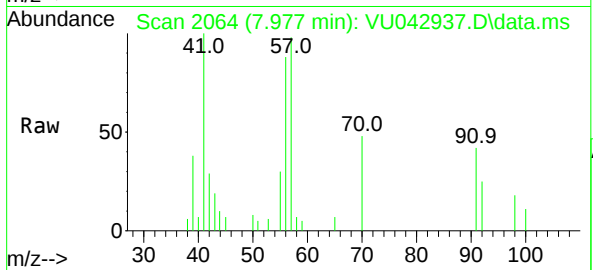




#52
Toluene
Concen: 0.26 ug/l
RT: 7.977 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

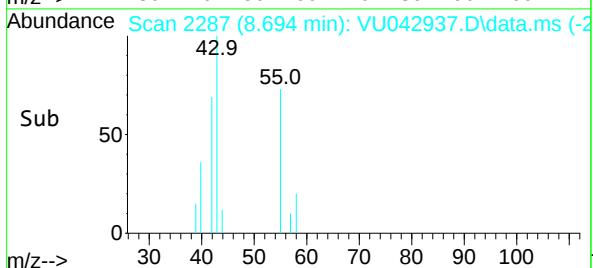
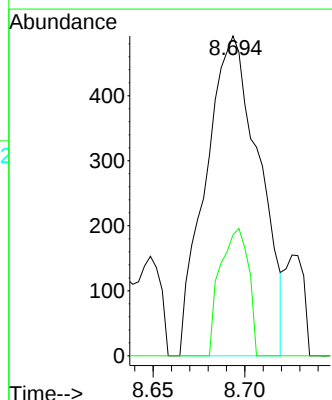
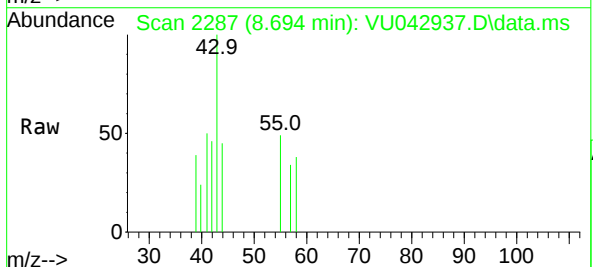
Instrument :
MSVOA_U
ClientSampled :

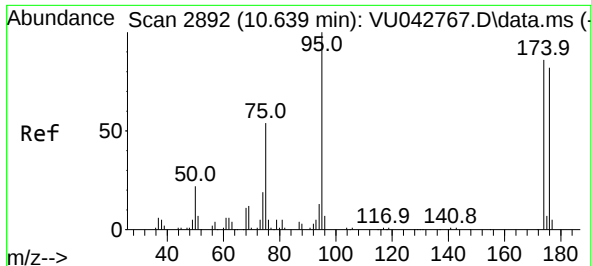
Tgt Ion: 92 Resp: 1008
Ion Ratio Lower Upper
92 100
91 168.3 140.6 210.8



#59
2-Hexanone
Concen: 0.37 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
58 21.1 23.8 71.2#

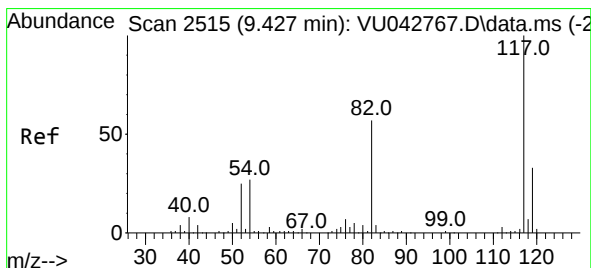
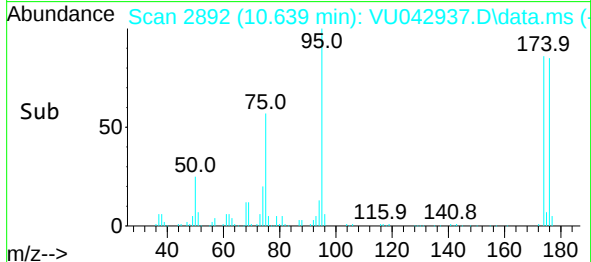
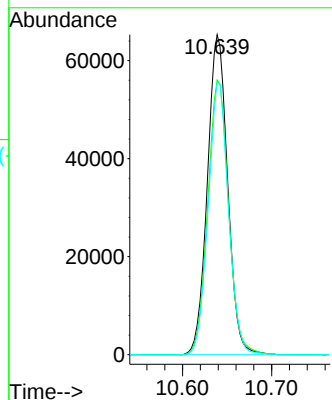
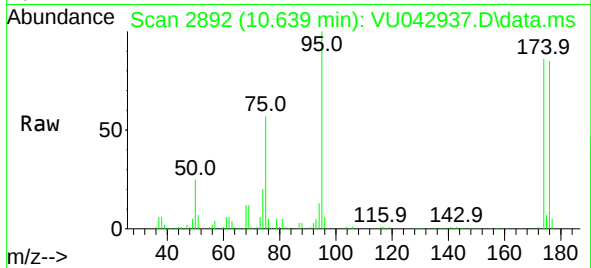




#62
4-Bromofluorobenzene
Concen: 47.77 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

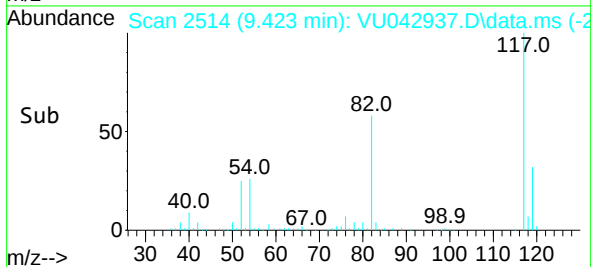
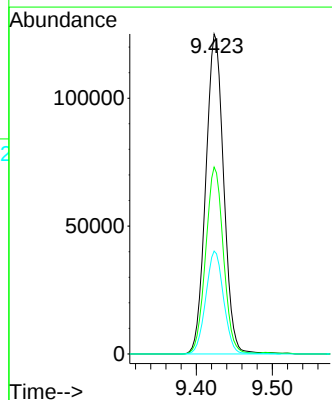
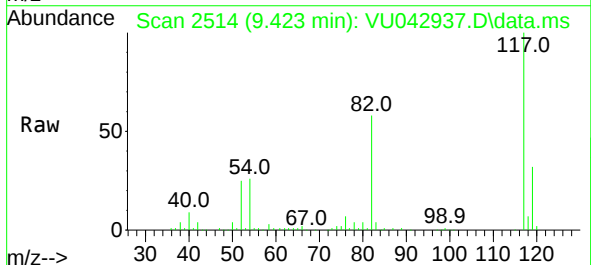
Instrument :
MSVOA_U
ClientSampleId :

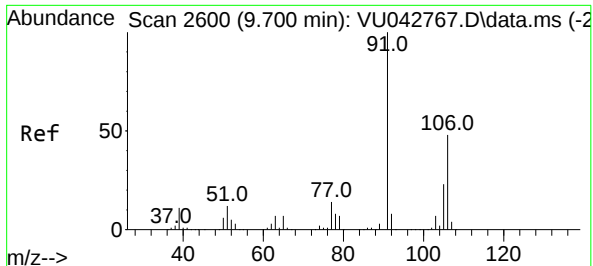
Tgt Ion: 95 Resp: 103020
Ion Ratio Lower Upper
95 100
174 88.2 0.0 175.2
176 85.0 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

Tgt Ion: 117 Resp: 204825
Ion Ratio Lower Upper
117 100
82 58.4 45.5 68.3
119 32.2 26.2 39.4

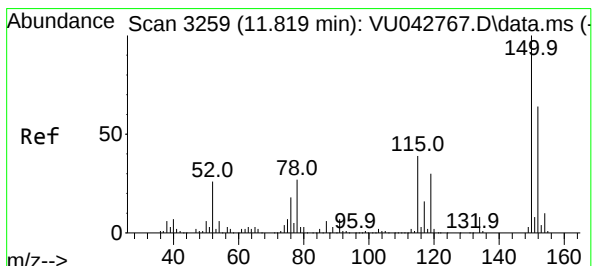
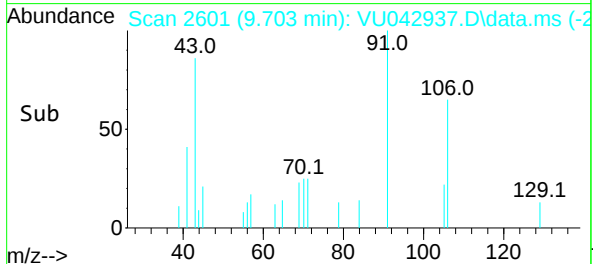
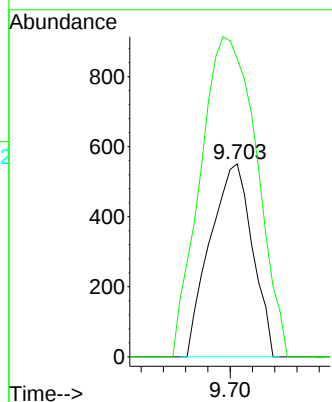
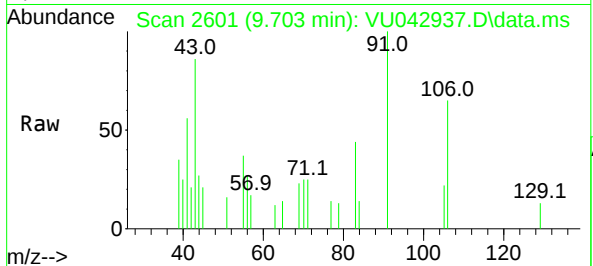




#68
m/p-Xylenes
Concen: 0.26 ug/l
RT: 9.703 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

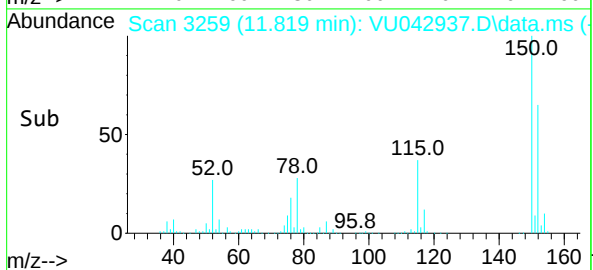
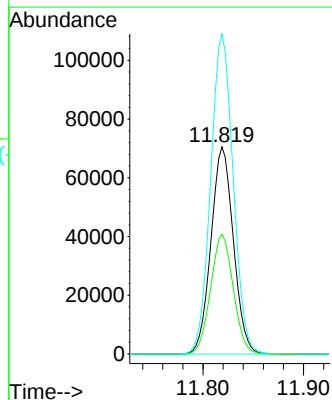
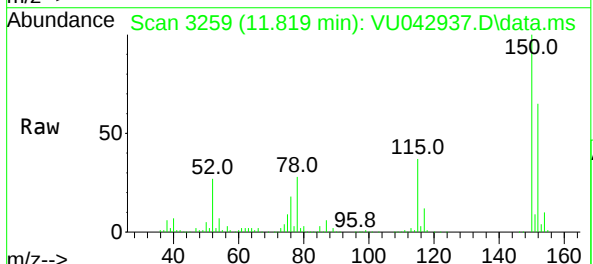
Instrument :
MSVOA_U
ClientSampleId :

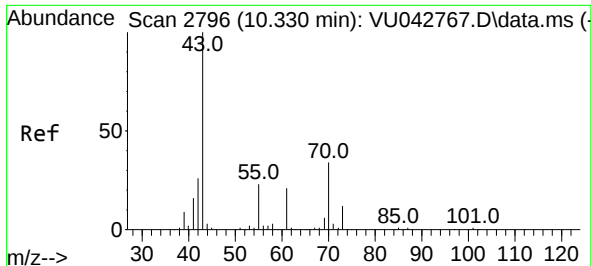
Tgt Ion:106 Resp: 727
Ion Ratio Lower Upper
106 100
91 220.5 168.3 252.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

Tgt Ion:152 Resp: 109354
Ion Ratio Lower Upper
152 100
115 58.2 41.0 123.0
150 155.1 0.0 341.0

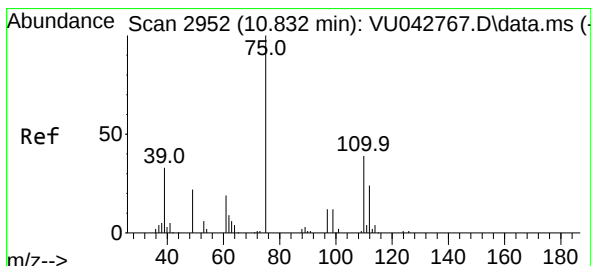
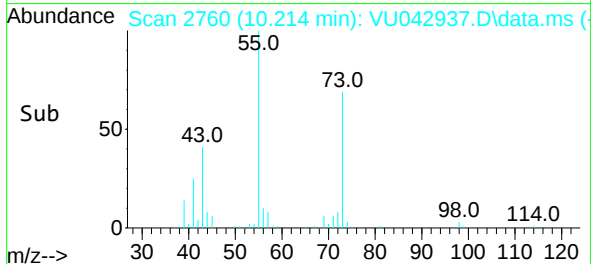
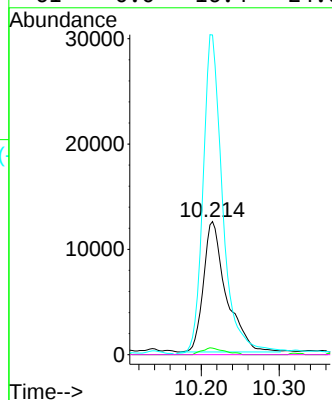
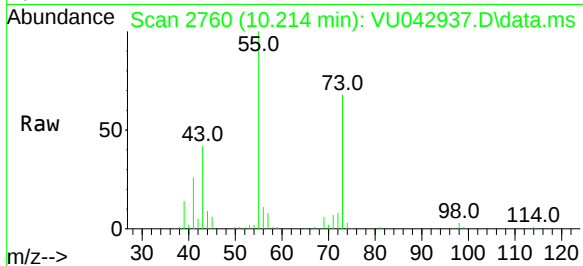




#74
N-amy1 acetate
Concen: 6.45 ug/l
RT: 10.214 min Scan# 2760
Delta R.T. -0.116 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

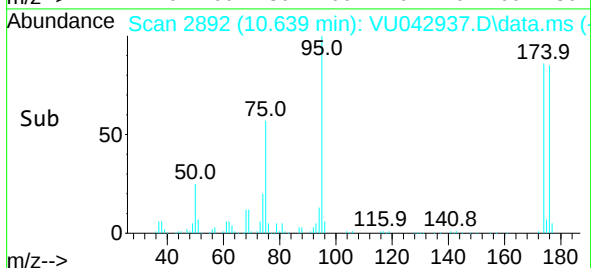
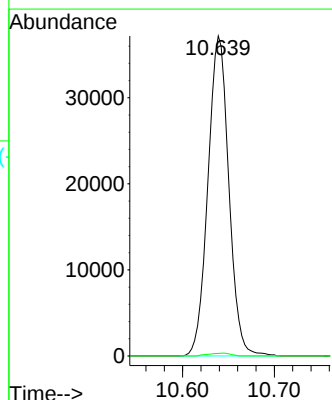
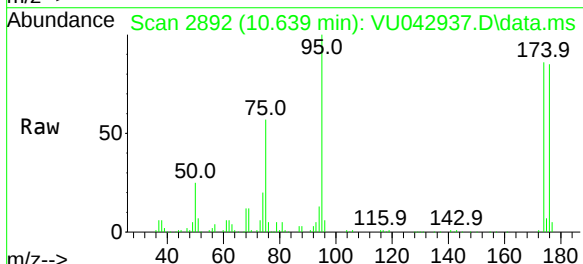
Instrument :
MSVOA_U
ClientSampled :

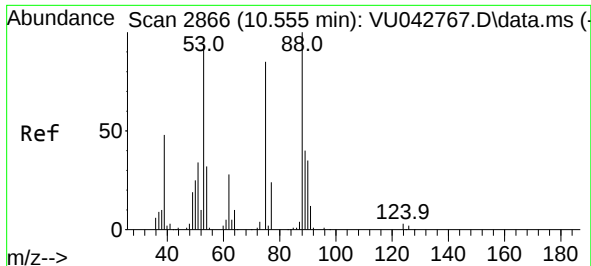
Tgt Ion: 43	Resp: 25202
Ion Ratio	Lower Upper
43 100	
70 5.1	27.8 41.6#
55 215.6	18.4 27.6#
61 0.0	16.4 24.6#



#76
1,2,3-Trichloropropane
Concen: 21.17 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

Tgt Ion: 75	Resp: 58877
Ion Ratio	Lower Upper
75 100	
77 0.9	19.6 58.8#

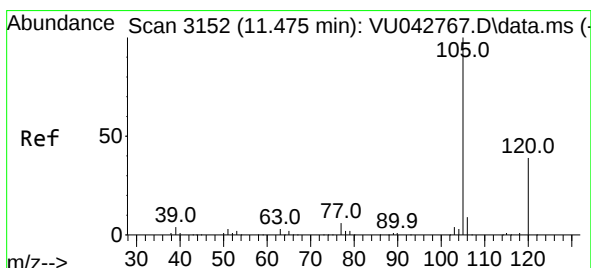
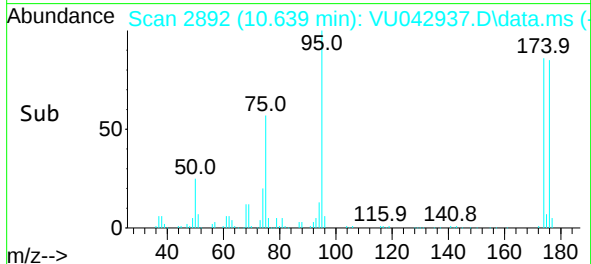
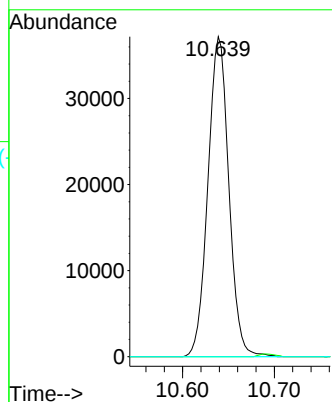
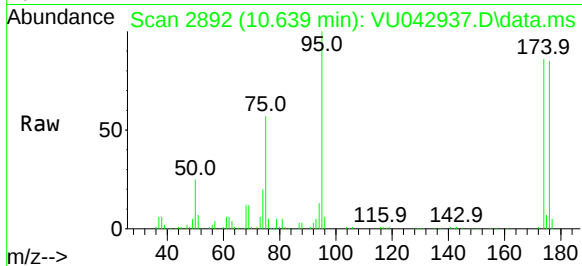




#81
trans-1,4-Dichloro-2-butene
Concen: 62.72 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

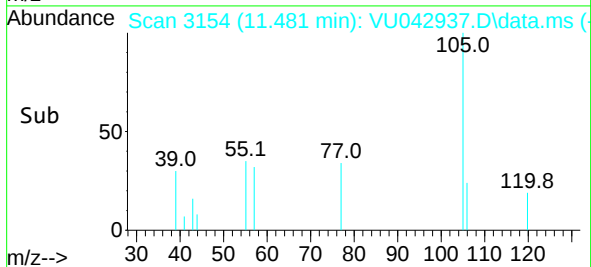
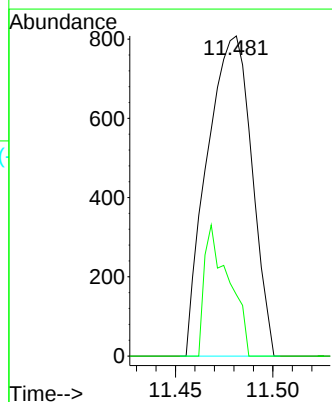
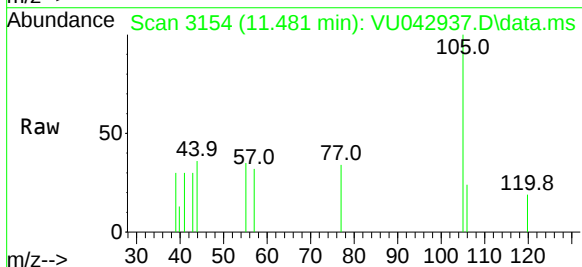
Instrument :
MSVOA_U
ClientSampleId :

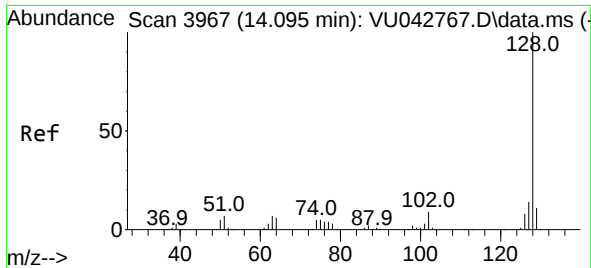
Tgt Ion: 75 Resp: 58877
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.21 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.006 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

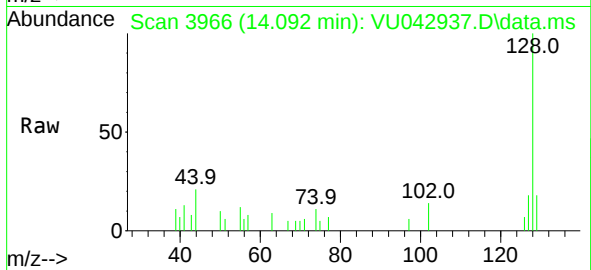
Tgt Ion: 105 Resp: 1285
Ion Ratio Lower Upper
105 100
120 22.6 22.3 66.8





#95
Naphthalene
Concen: 3.08 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. -0.003 min
Lab File: VU042937.D
Acq: 05 Apr 2021 17:43

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	3975
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.9	16.3
129	10.3	8.7	13.1

