

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040221\
 Data File : VU042908.D
 Acq On : 02 Apr 2021 20:12
 Operator : SY/MD
 Sample : M1903-09 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 31031

Quant Time: Apr 03 00:16:41 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)

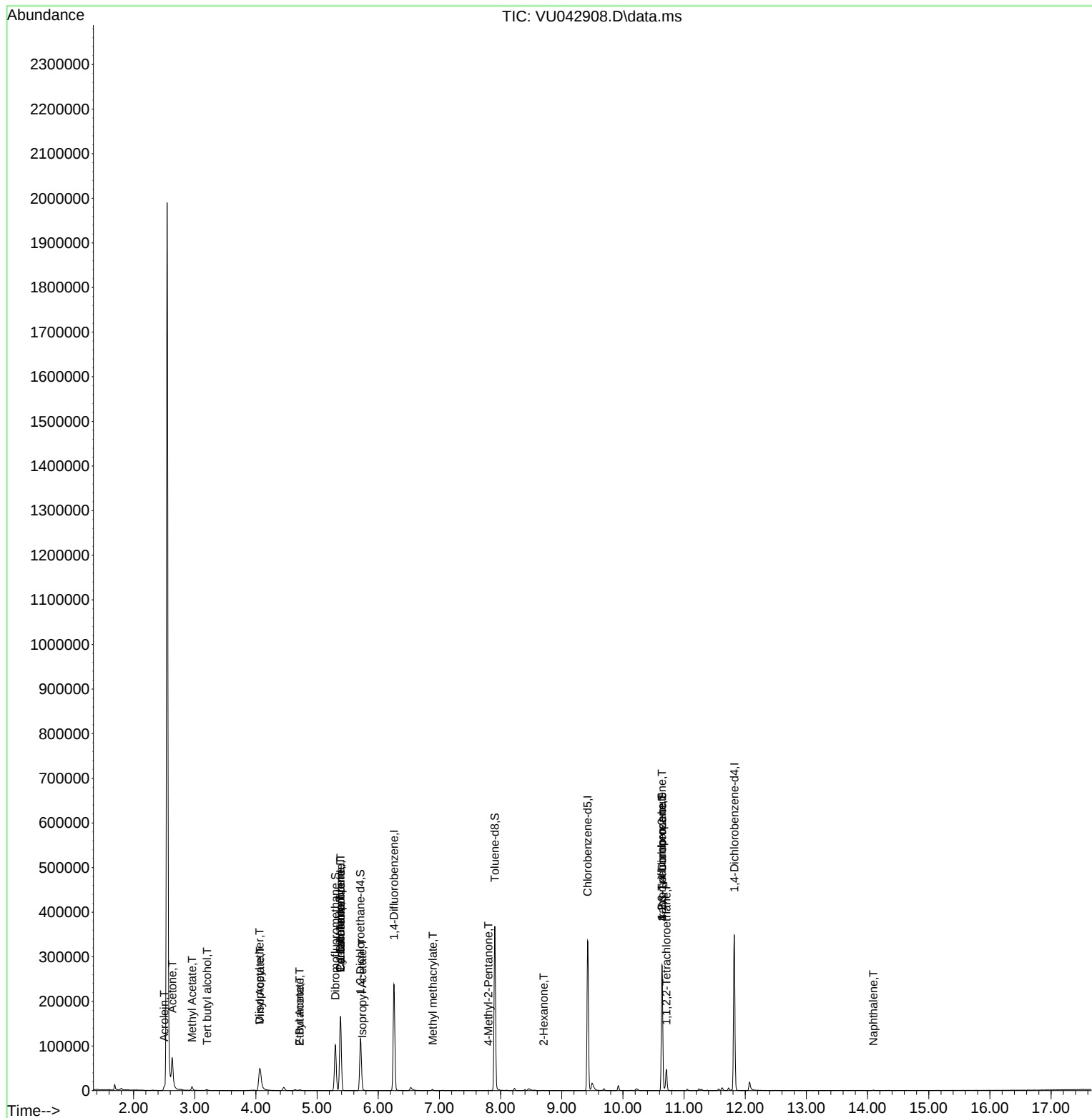
Internal Standards						
1) Pentafluorobenzene	5.385	168	112638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	176826	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	168660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.822	152	86131	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	87734	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
35) Dibromofluoromethane	5.298	113	62640	47.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.94%	
50) Toluene-d8	7.906	98	226686	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	10.639	95	82854	45.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.84%	
Target Compounds					Qvalue	
5) Bromomethane	1.871	94	68	Below Cal	#	2
6) Chloroethane	1.919	64	117	Below Cal	#	43
11) Tert butyl alcohol	3.202	59	1785	4.65	ug/l	96
13) Acrolein	2.501	56	8827	63.84	ug/l	90
16) Acetone	2.633	43	71997	68.78	ug/l	# 64
18) Methyl Acetate	2.954	43	10473	5.09	ug/l	92
22) Diisopropyl ether	4.060	45	3634	0.81	ug/l	# 1
23) Vinyl Acetate	4.067	43	10307	2.47	ug/l	# 76
25) 2-Butanone	4.713	43	3184	2.18	ug/l	# 91
31) Cyclohexane	5.382	56	2695	1.21	ug/l	# 29
36) 1,1-Dichloropropene	5.382	75	9410	5.38	ug/l	# 50
37) Ethyl Acetate	4.713	43	3184	1.17	ug/l	# 72
38) Carbon Tetrachloride	5.385	117	11073	5.55	ug/l	# 17
43) Isopropyl Acetate	5.739	43	912	0.22	ug/l	# 65
48) Methyl methacrylate	6.893	41	923	0.47	ug/l	# 49
51) 4-Methyl-2-Pentanone	7.803	43	735	0.26	ug/l	# 63
59) 2-Hexanone	8.703	43	647	0.28	ug/l	70
75) 1,1,2,2-Tetrachloroethane	10.713	83	19228	8.63	ug/l	# 33
76) 1,2,3-Trichloropropane	10.639	75	48368	22.08	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	10.639	75	48368	65.42	ug/l	# 6
95) Naphthalene	14.095	128	1290	2.78	ug/l	# 68

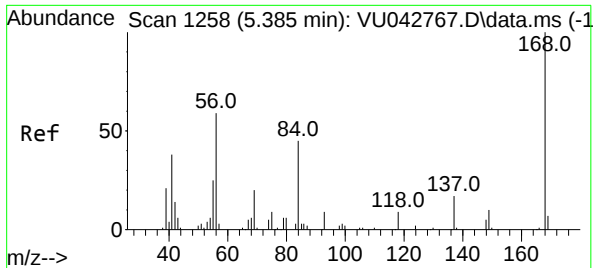
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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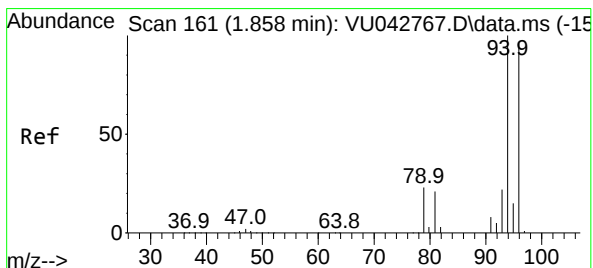
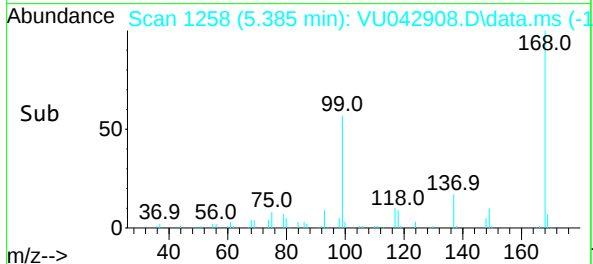
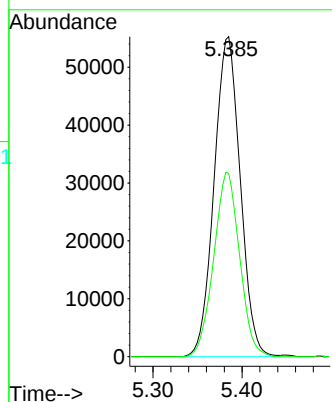
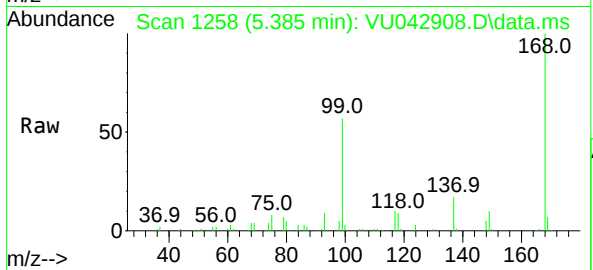




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

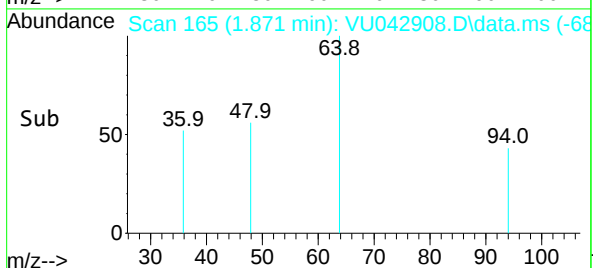
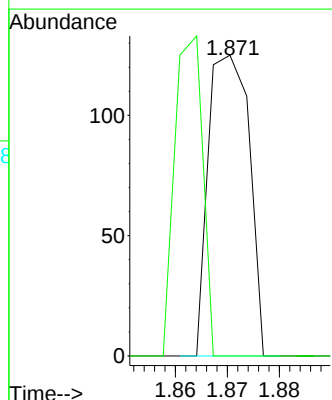
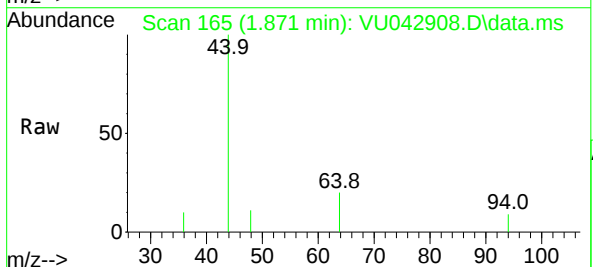
Instrument :
MSVOA_U
ClientSampled :
31031

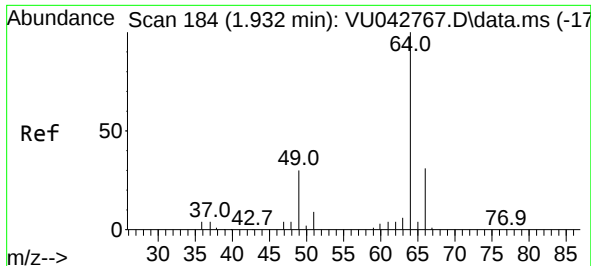
Tgt Ion:168 Resp: 112638
Ion Ratio Lower Upper
168 100
99 57.3 46.4 69.6



#5
Bromomethane
Concen: Below Cal
RT: 1.871 min Scan# 165
Delta R.T. 0.012 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

Tgt Ion: 94 Resp: 68
Ion Ratio Lower Upper
94 100
96 0.0 77.1 115.7#

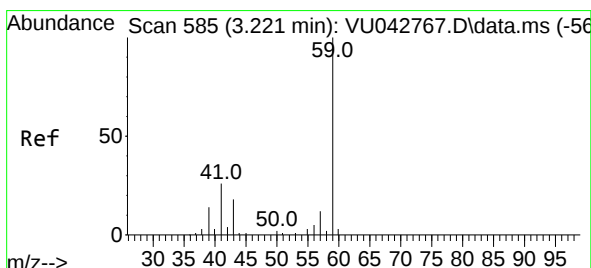
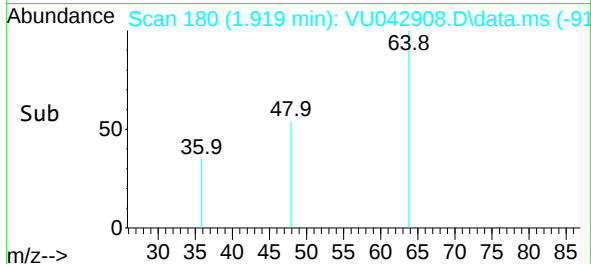
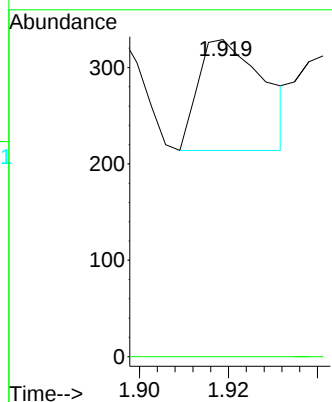
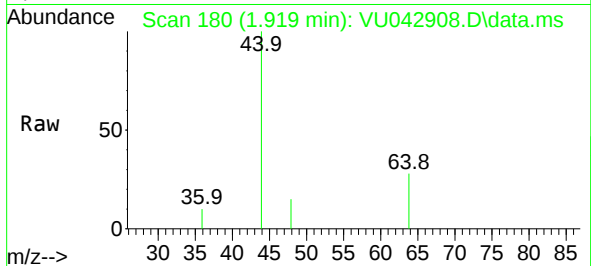




#6
Chloroethane
Concen: Below Cal
RT: 1.919 min Scan# 180
Delta R.T. -0.013 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

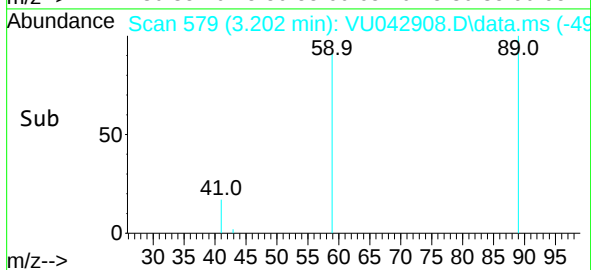
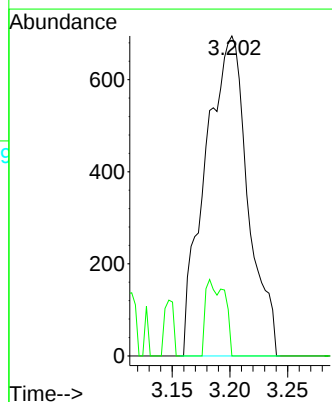
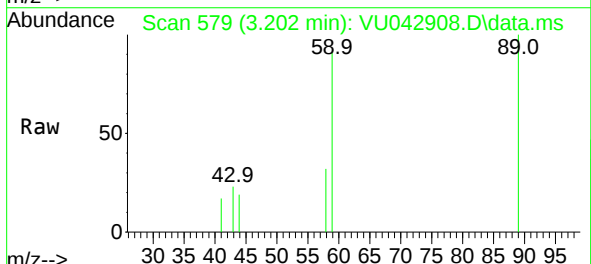
Instrument :
MSVOA_U
ClientSampled :
31031

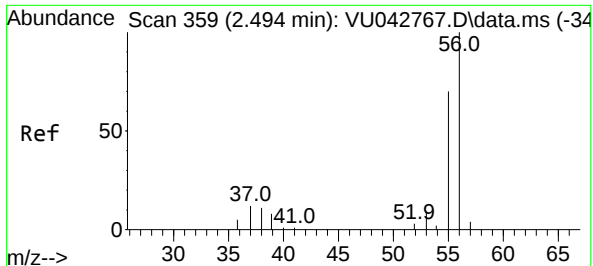
Tgt Ion: 64 Resp: 117
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



#11
Tert butyl alcohol
Concen: 4.65 ug/l
RT: 3.202 min Scan# 579
Delta R.T. -0.020 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

Tgt Ion: 59 Resp: 1785
Ion Ratio Lower Upper
59 100
57 10.6 7.4 11.2

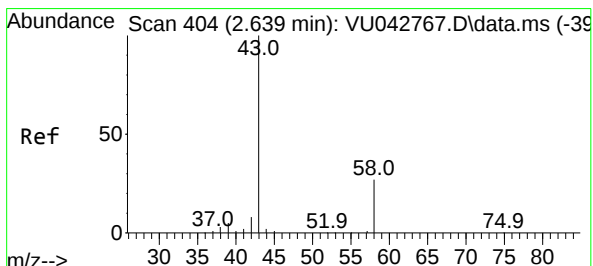
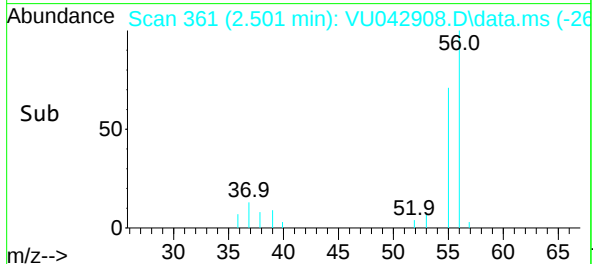
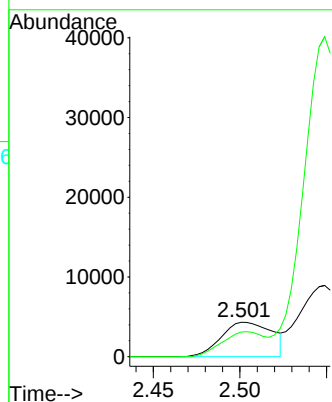
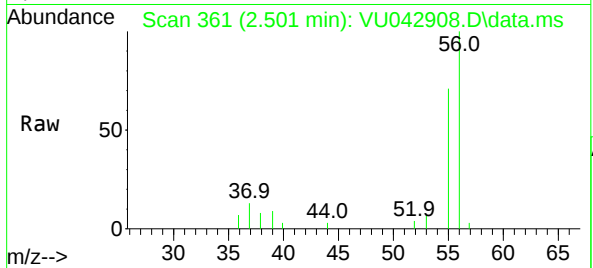




#13
Acrolein
Concen: 63.84 ug/l
RT: 2.501 min Scan# 361
Delta R.T. 0.007 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

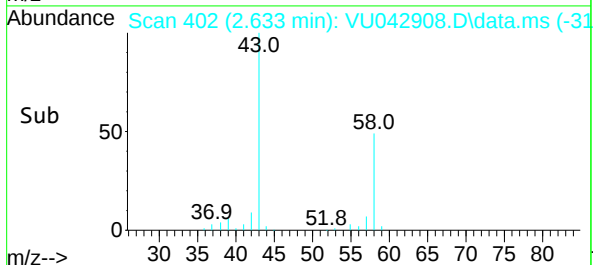
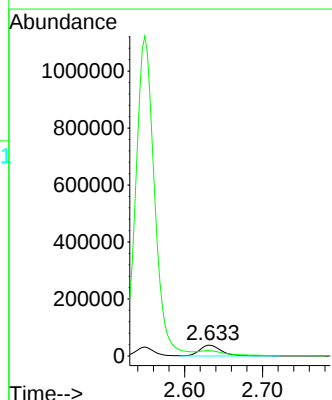
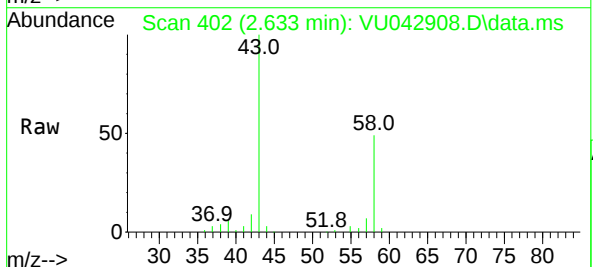
Instrument :
MSVOA_U
ClientSampled :
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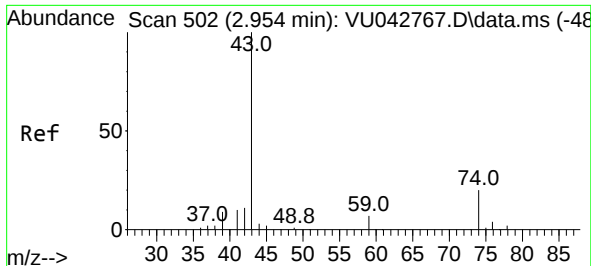
Tgt Ion: 56 Resp: 8827
Ion Ratio Lower Upper
56 100
55 61.6 55.8 83.8



#16
Acetone
Concen: 68.78 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.006 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

Tgt Ion: 43 Resp: 71997
Ion Ratio Lower Upper
43 100
58 45.6 21.6 32.4#

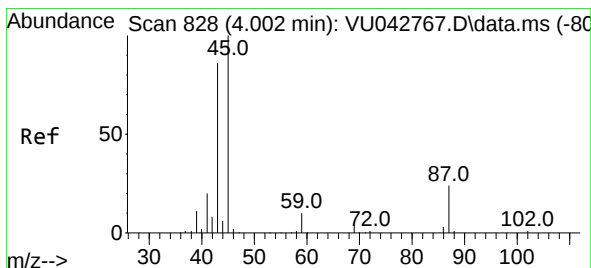
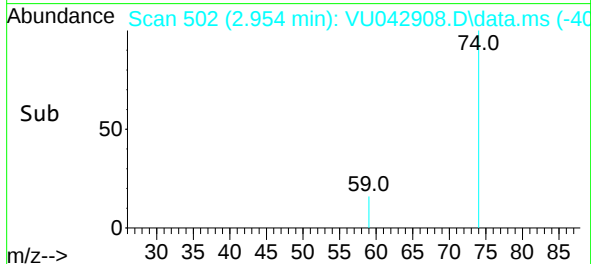
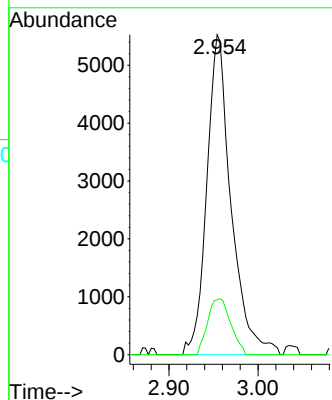
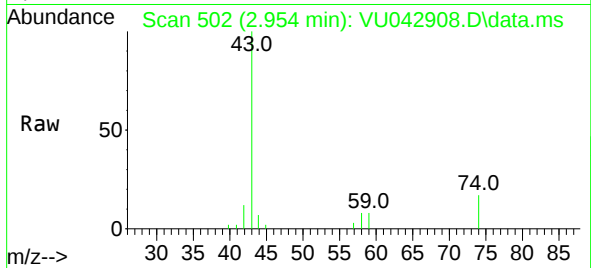




#18
Methyl Acetate
Concen: 5.09 ug/l
RT: 2.954 min Scan# 502
Delta R.T. -0.000 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

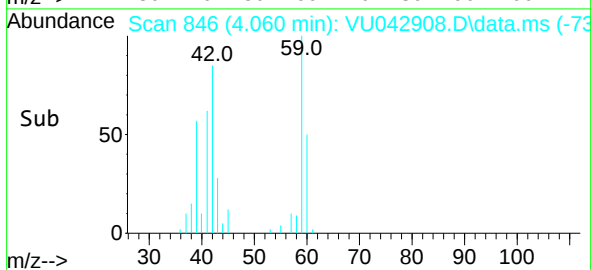
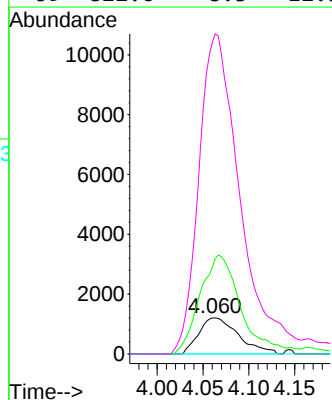
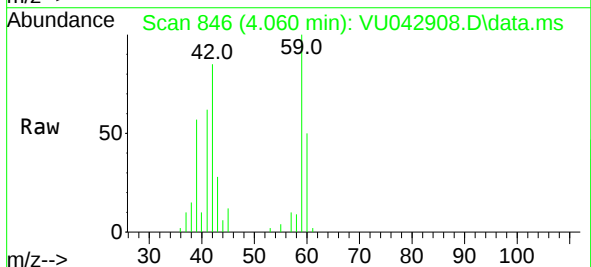
Instrument :
MSVOA_U
ClientSampled :
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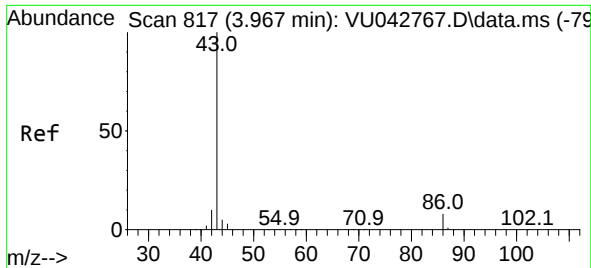
Tgt Ion: 43 Resp: 10473
Ion Ratio Lower Upper
43 100
74 16.5 16.2 24.4



#22
Diisopropyl ether
Concen: 0.81 ug/l
RT: 4.060 min Scan# 846
Delta R.T. 0.058 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

Tgt Ion: 45 Resp: 3634
Ion Ratio Lower Upper
45 100
43 222.9 68.6 102.8#
87 0.0 19.1 28.7#
59 822.6 8.3 12.5#

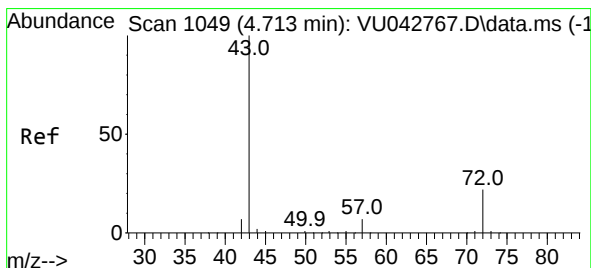
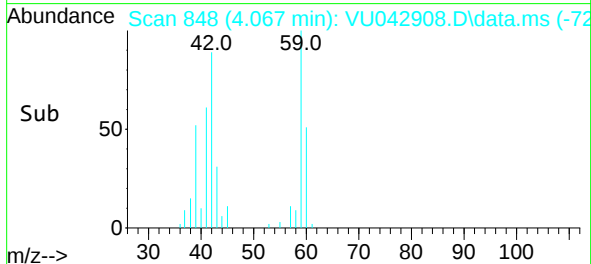
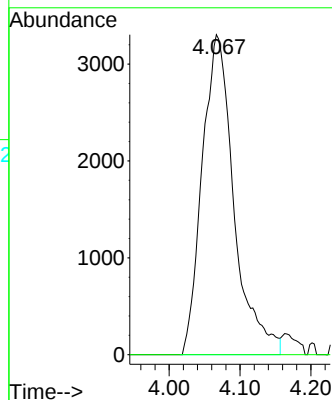
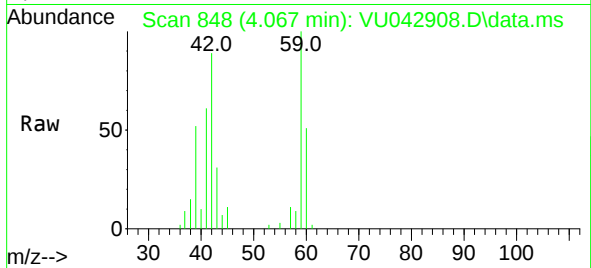




#23
 Vinyl Acetate
 Concen: 2.47 ug/l
 RT: 4.067 min Scan# 848
 Delta R.T. 0.099 min
 Lab File: VU042908.D
 Acq: 02 Apr 2021 20:12

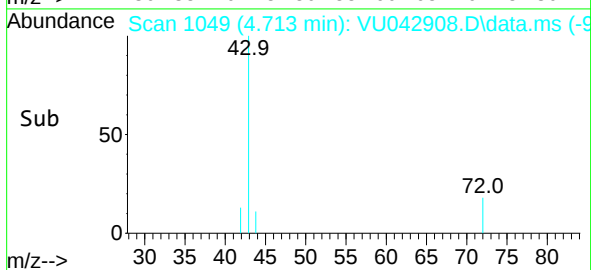
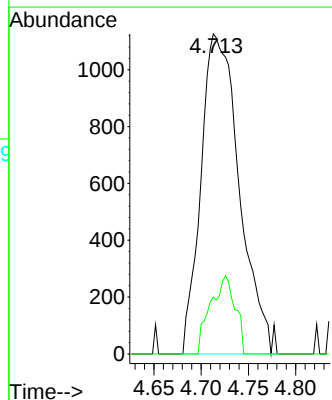
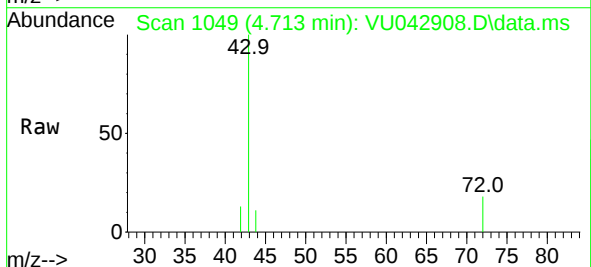
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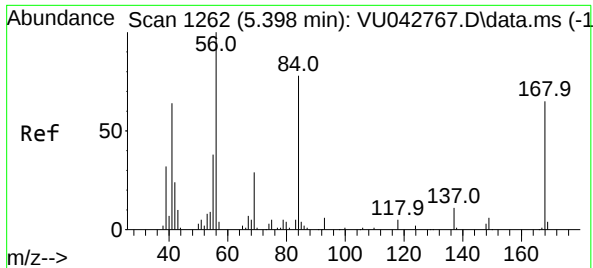
Tgt Ion: 43 Resp: 10307
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.7 10.1#



#25
 2-Butanone
 Concen: 2.18 ug/l
 RT: 4.713 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU042908.D
 Acq: 02 Apr 2021 20:12

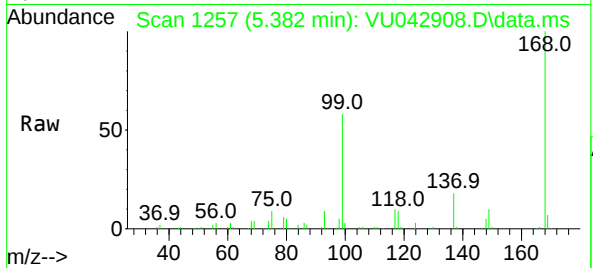
Tgt Ion: 43 Resp: 3184
 Ion Ratio Lower Upper
 43 100
 72 17.7 17.7 26.5#



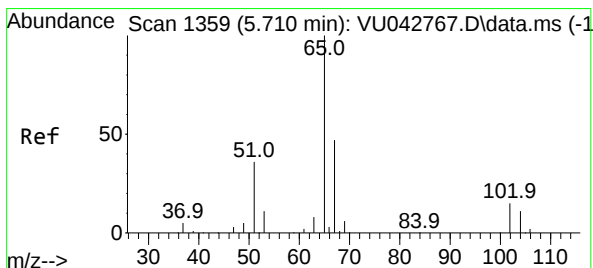
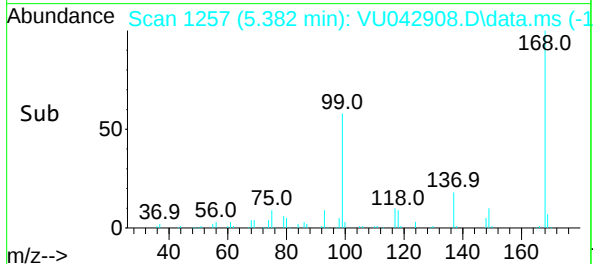
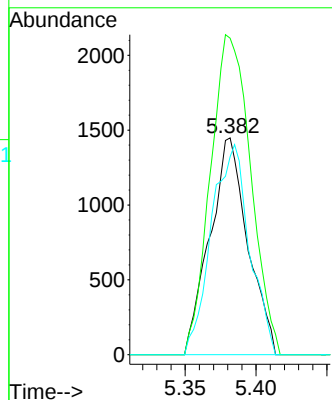


#31
Cyclohexane
Concen: 1.21 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

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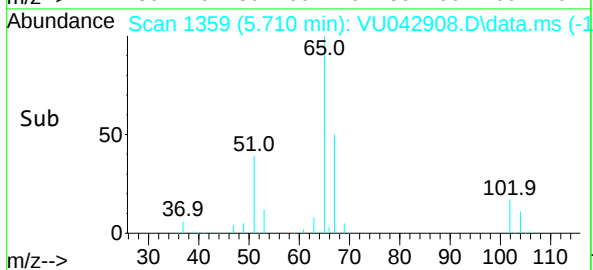
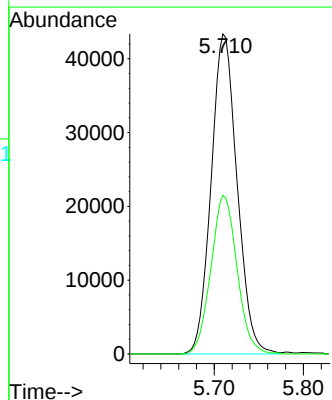
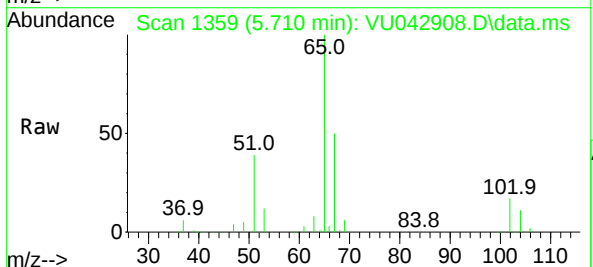


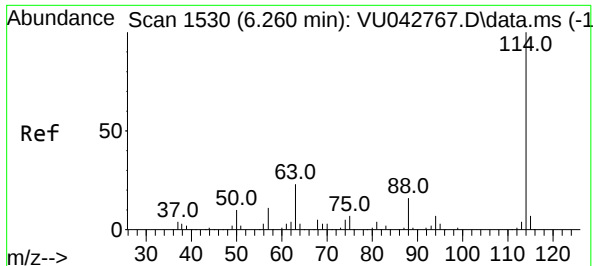
Tgt Ion: 56 Resp: 2695
Ion Ratio Lower Upper
56 100
69 145.9 23.3 34.9#
84 91.2 62.2 93.4



#33
1,2-Dichloroethane-d4
Concen: 48.86 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

Tgt Ion: 65 Resp: 87734
Ion Ratio Lower Upper
65 100
67 49.9 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: VU042908.D

Acq: 02 Apr 2021 20:12

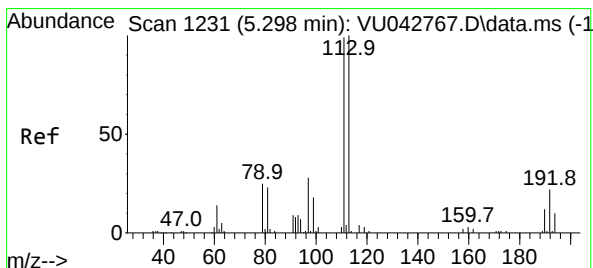
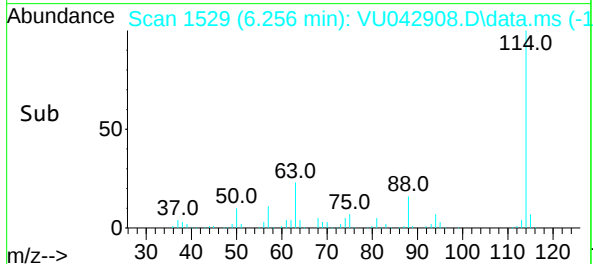
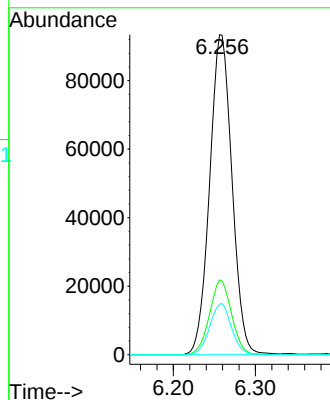
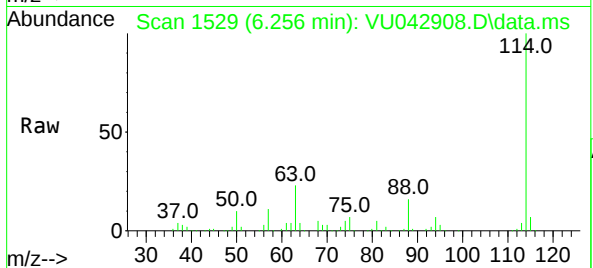
Tgt Ion:114 Resp: 176826

Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.8

88 15.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.47 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VU042908.D

Acq: 02 Apr 2021 20:12

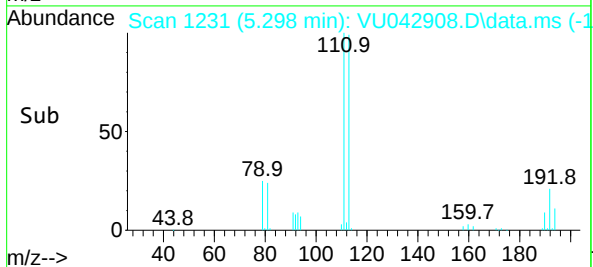
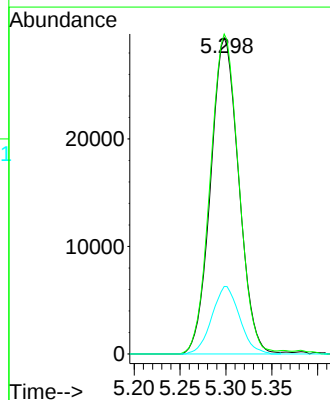
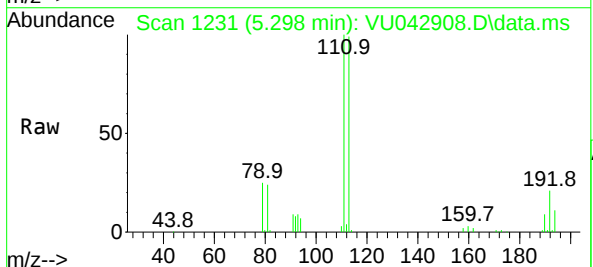
Tgt Ion:113 Resp: 62640

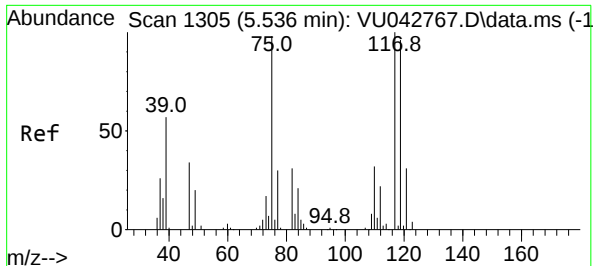
Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

192 21.0 17.6 26.4



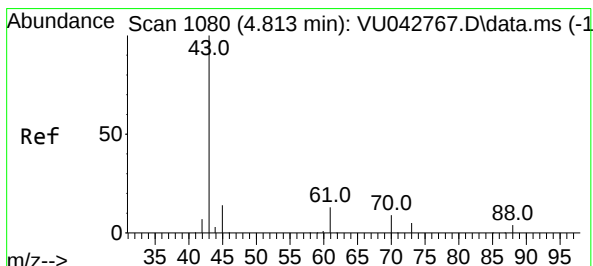
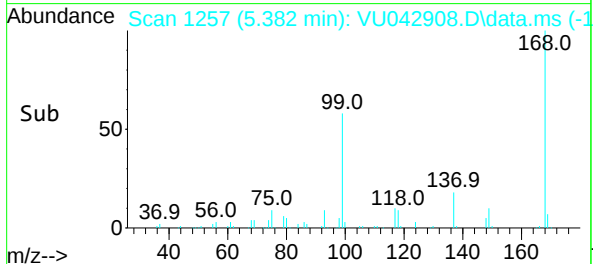
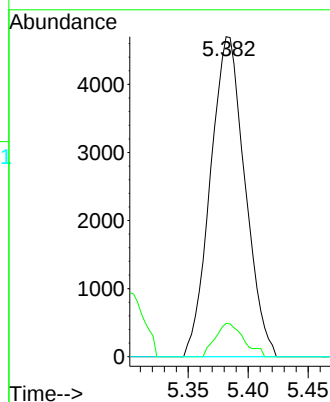
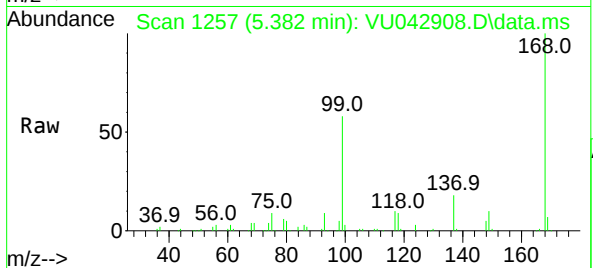


#36

1,1-Dichloropropene
Concen: 5.38 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.155 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

Instrument :
MSVOA_U
ClientSampled :
31031

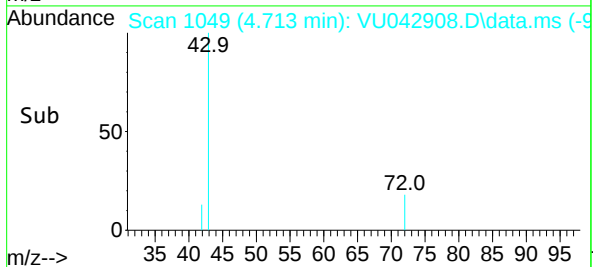
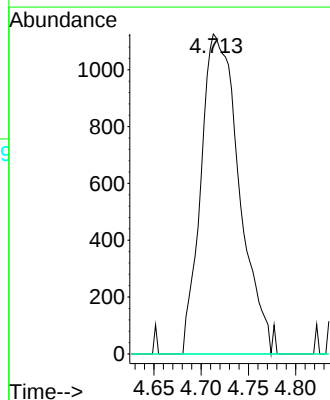
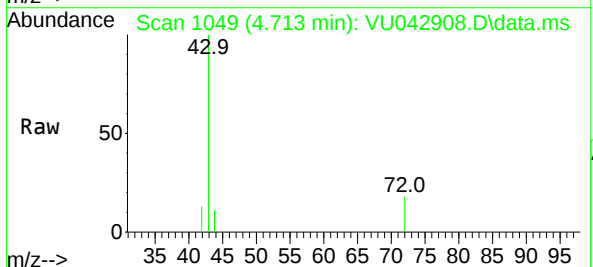
Tgt Ion: 75 Resp: 9410
Ion Ratio Lower Upper
75 100
110 8.5 16.6 49.7#
77 0.0 24.7 37.1#

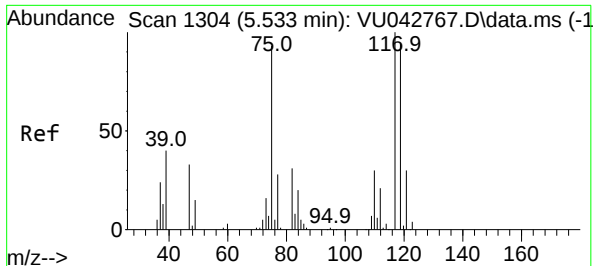


#37

Ethyl Acetate
Concen: 1.17 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.100 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

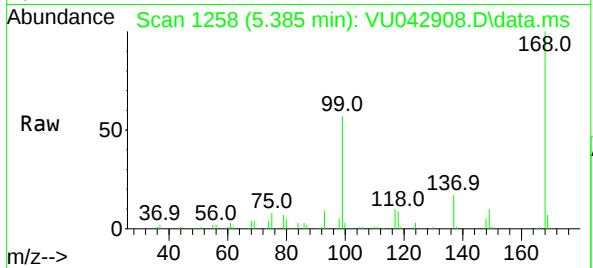
Tgt Ion: 43 Resp: 3184
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 6.6 9.8#



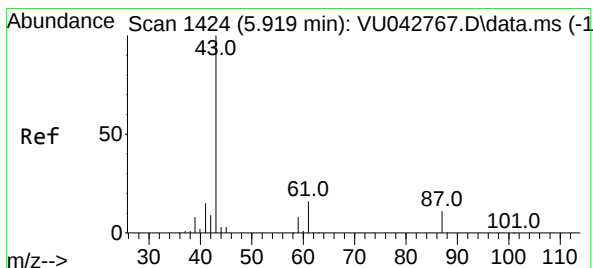
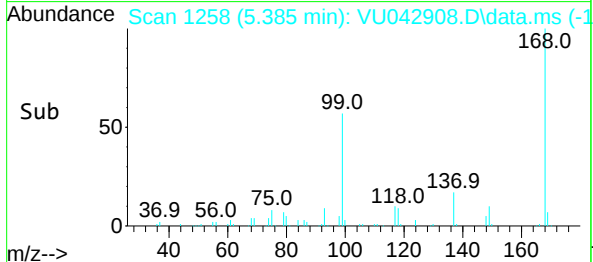
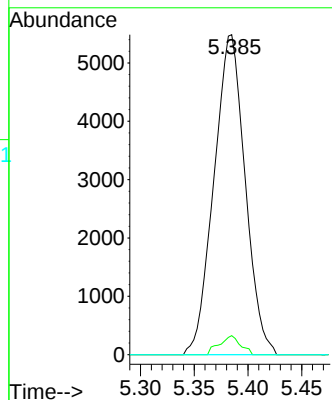


#38
Carbon Tetrachloride
Concen: 5.55 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

Instrument :
MSVOA_U
ClientSampled :
31031

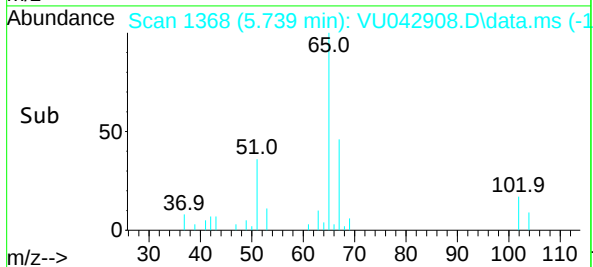
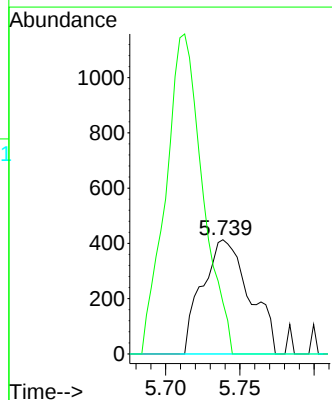
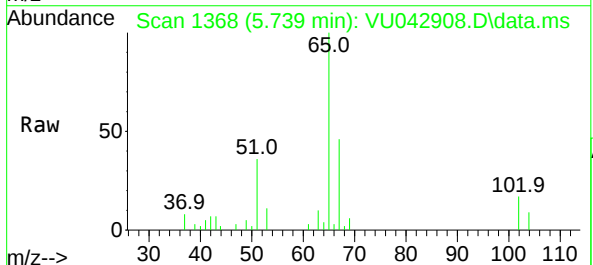


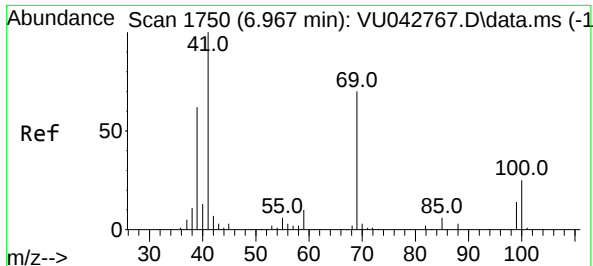
Tgt Ion:117 Resp: 11073
Ion Ratio Lower Upper
117 100
119 6.0 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 0.22 ug/l
RT: 5.739 min Scan# 1368
Delta R.T. -0.180 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

Tgt Ion: 43 Resp: 912
Ion Ratio Lower Upper
43 100
61 0.0 13.4 20.0#
87 0.0 8.7 13.1#





#48

Methyl methacrylate

Concen: 0.47 ug/l

RT: 6.893 min Scan# 1727

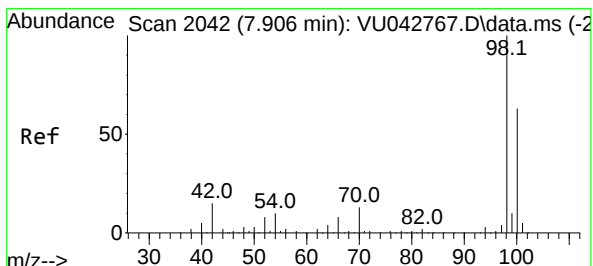
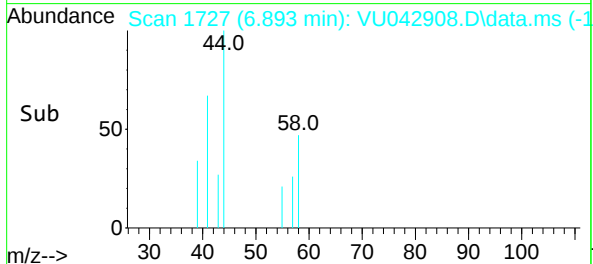
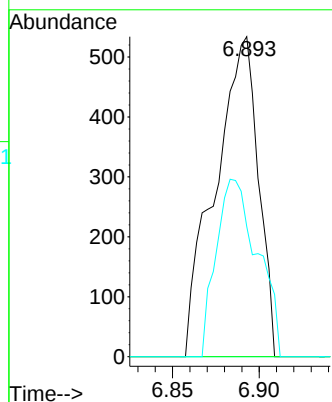
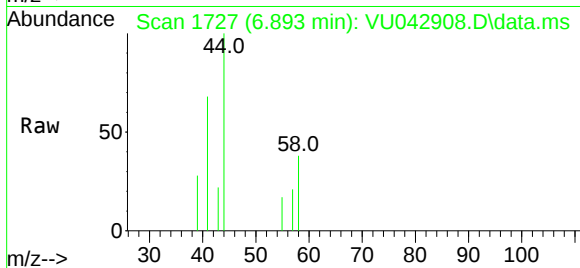
Delta R.T. -0.074 min

Lab File: VU042908.D

Acq: 02 Apr 2021 20:12

Instrument :
MSVOA_U
ClientSampled :
31031

Tgt Ion: 41	Resp: 923
Ion Ratio	Lower Upper
41 100	
69 0.0	55.9 83.9#
39 53.3	49.7 74.5



#50

Toluene-d8

Concen: 48.83 ug/l

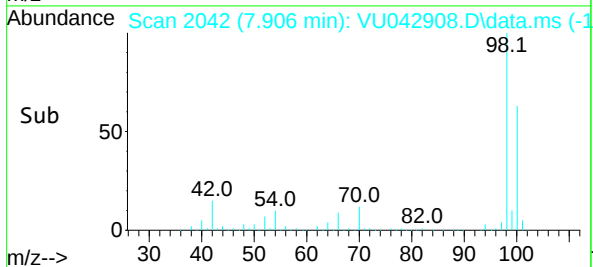
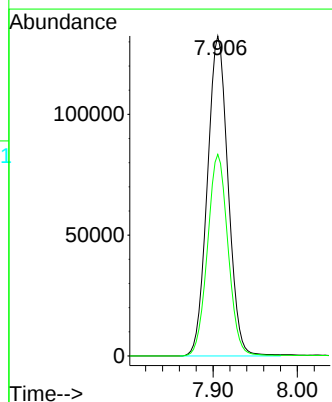
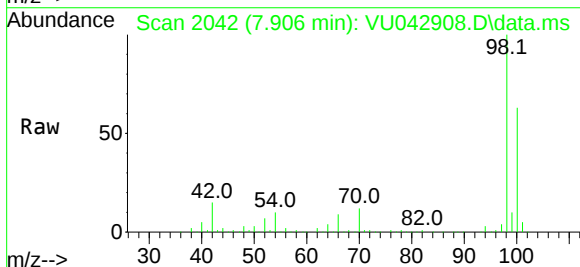
RT: 7.906 min Scan# 2042

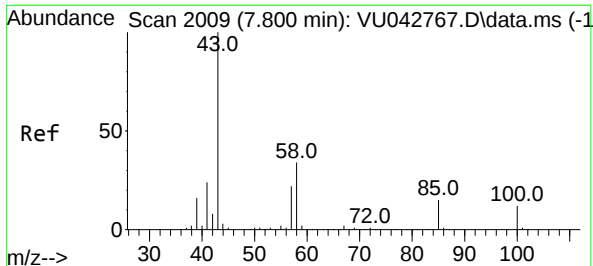
Delta R.T. -0.000 min

Lab File: VU042908.D

Acq: 02 Apr 2021 20:12

Tgt Ion: 98	Resp: 226686
Ion Ratio	Lower Upper
98 100	
100 62.4	50.4 75.6

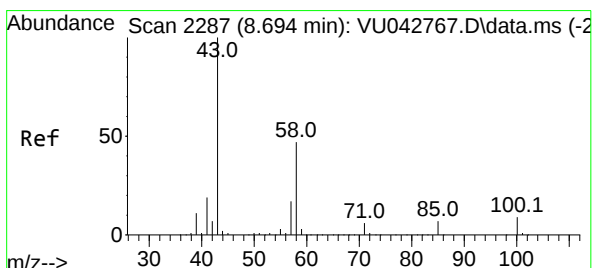
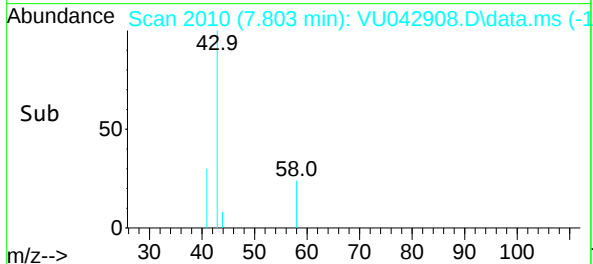
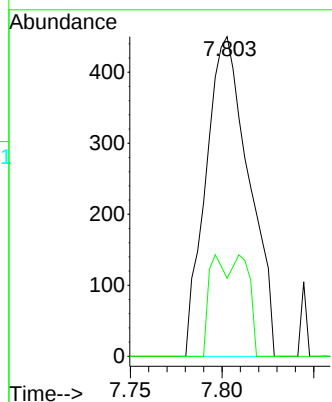
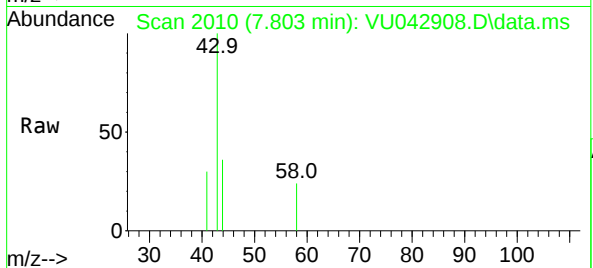




#51
4-Methyl-2-Pentanone
Concen: 0.26 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

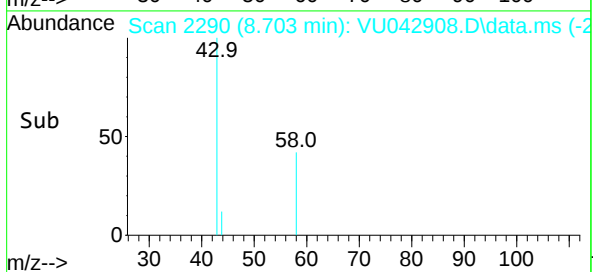
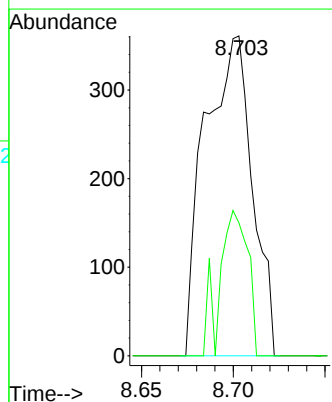
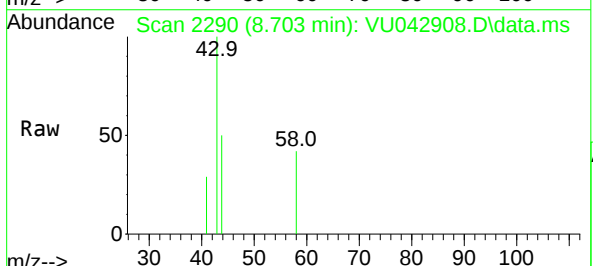
Instrument :
MSVOA_U
ClientSampled :
31031

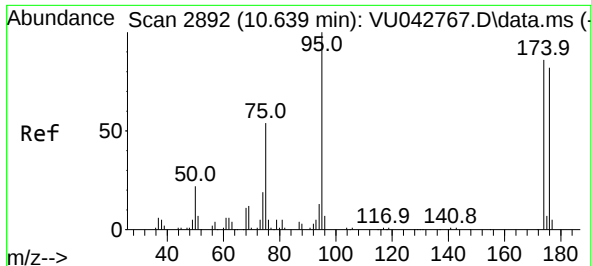
Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
58 13.2 27.4 41.2#



#59
2-Hexanone
Concen: 0.28 ug/l
RT: 8.703 min Scan# 2290
Delta R.T. 0.009 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

Tgt Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
58 27.0 23.8 71.2

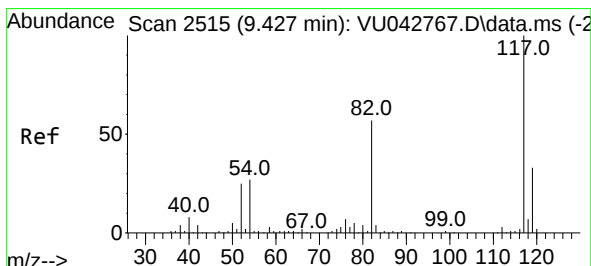
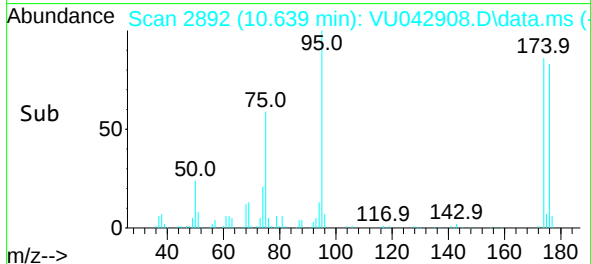
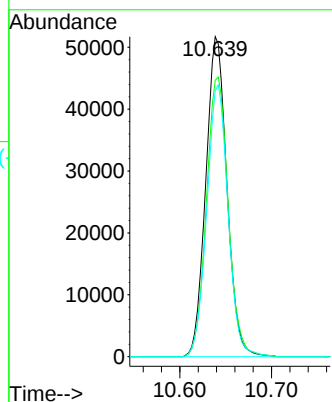
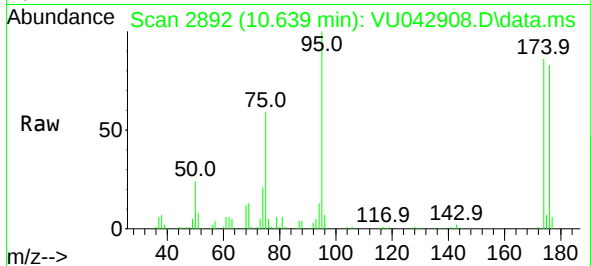




#62
4-Bromofluorobenzene
Concen: 45.92 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

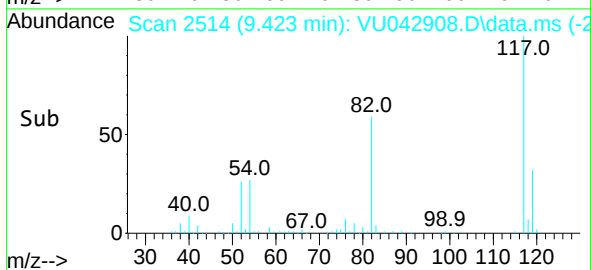
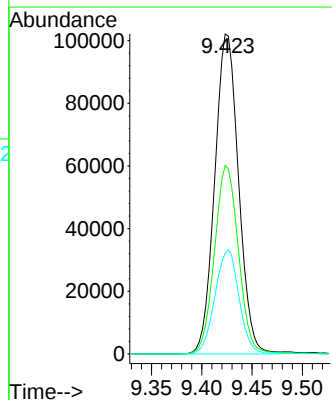
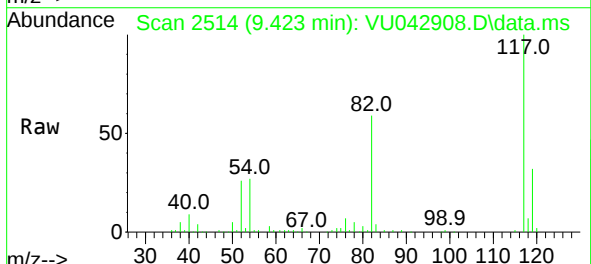
Instrument :
MSVOA_U
ClientSampleId :
31031

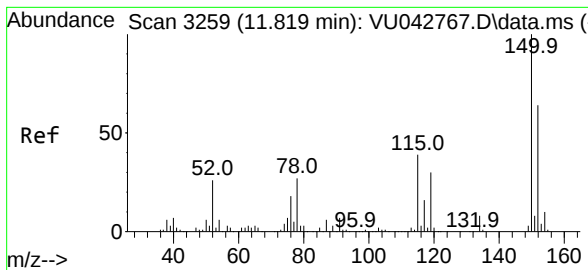
Tgt Ion: 95 Resp: 82854
Ion Ratio Lower Upper
95 100
174 90.7 0.0 175.2
176 85.5 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

Tgt Ion: 117 Resp: 168660
Ion Ratio Lower Upper
117 100
82 58.9 45.5 68.3
119 31.6 26.2 39.4

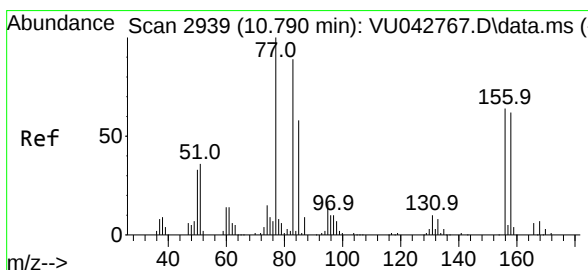
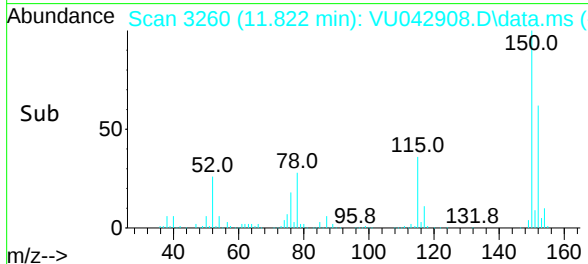
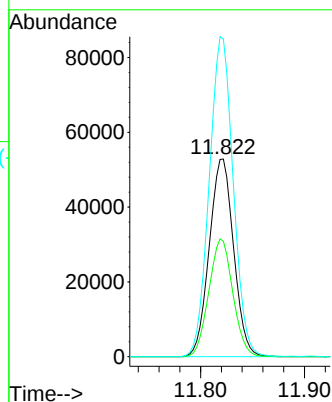
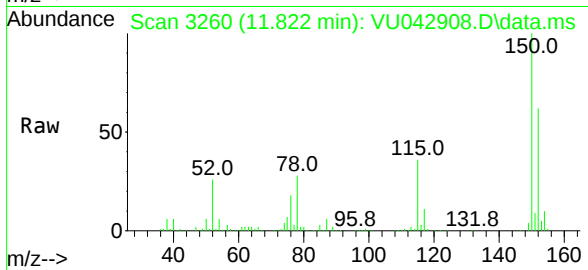




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.822 min Scan# 3260
 Delta R.T. 0.003 min
 Lab File: VU042908.D
 Acq: 02 Apr 2021 20:12

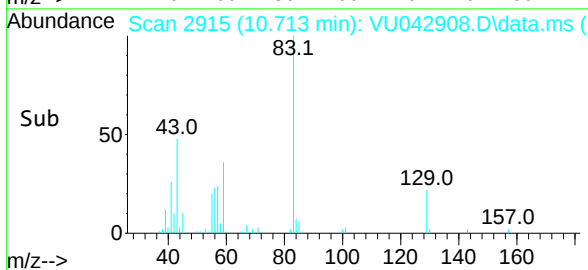
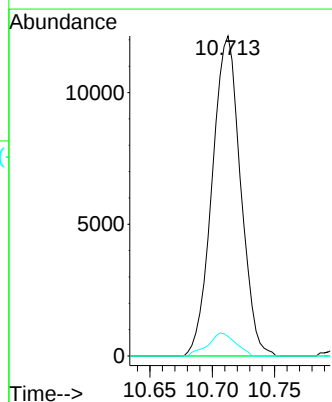
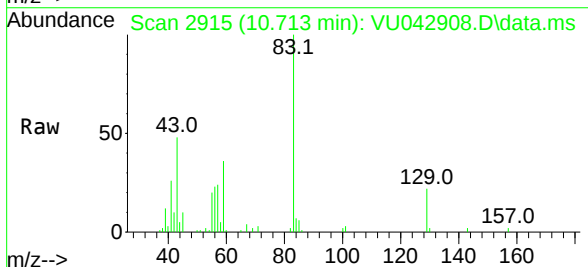
Instrument :
 MSVOA_U
 ClientSampled :
 31031

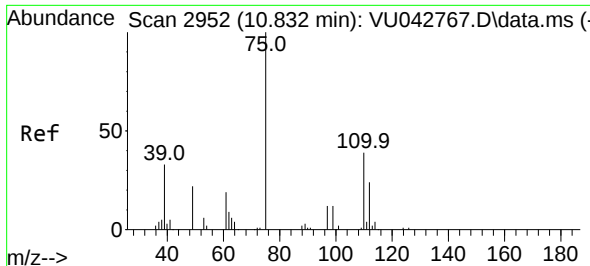
Tgt Ion:152 Resp: 86131
 Ion Ratio Lower Upper
 152 100
 115 58.6 41.0 123.0
 150 159.3 0.0 341.0



#75
 1,1,2,2-Tetrachloroethane
 Concen: 8.63 ug/l
 RT: 10.713 min Scan# 2915
 Delta R.T. -0.077 min
 Lab File: VU042908.D
 Acq: 02 Apr 2021 20:12

Tgt Ion: 83 Resp: 19228
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.2#
 85 7.0 32.0 96.2#

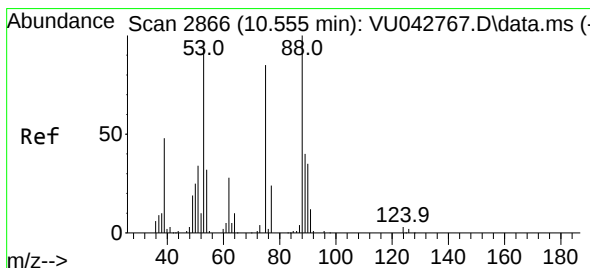
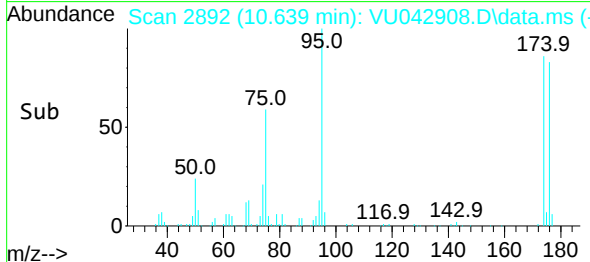
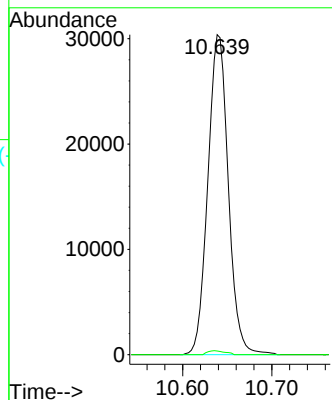
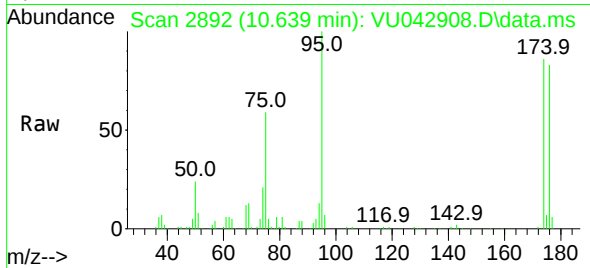




#76
1,2,3-Trichloropropane
Concen: 22.08 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

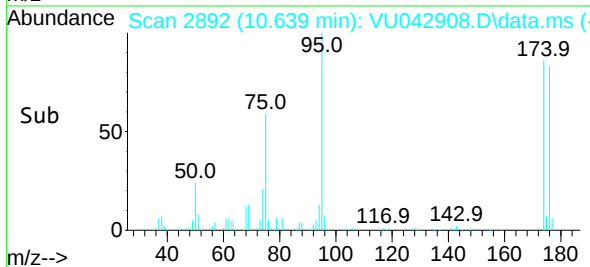
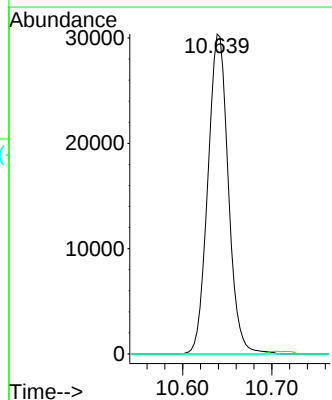
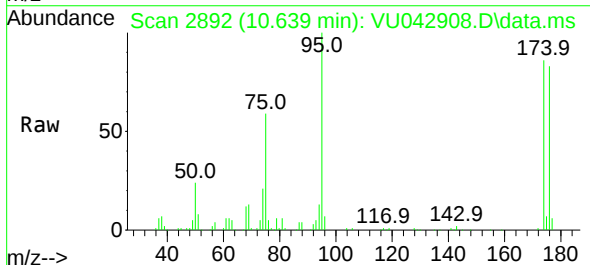
Instrument :
MSVOA_U
ClientSampled :
31031

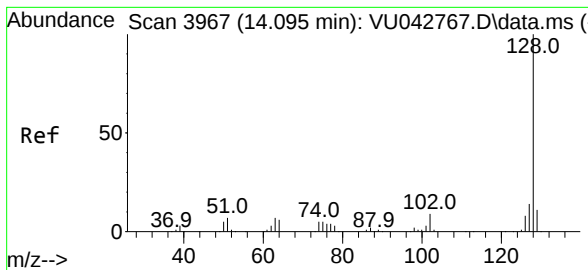
Tgt Ion: 75 Resp: 48368
Ion Ratio Lower Upper
75 100
77 1.1 19.6 58.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.42 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.083 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

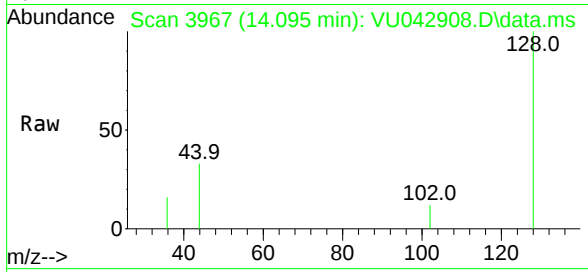
Tgt Ion: 75 Resp: 48368
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#





#95
Naphthalene
Concen: 2.78 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042908.D
Acq: 02 Apr 2021 20:12

Instrument :
MSVOA_U
ClientSampleId :
31031



Tgt Ion:128 Resp: 1290
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.7 13.1#

