

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040221\
 Data File : VU042904.D
 Acq On : 02 Apr 2021 18:32
 Operator : SY/MD
 Sample : M1903-05 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 30809

Quant Time: Apr 03 00:14:48 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)

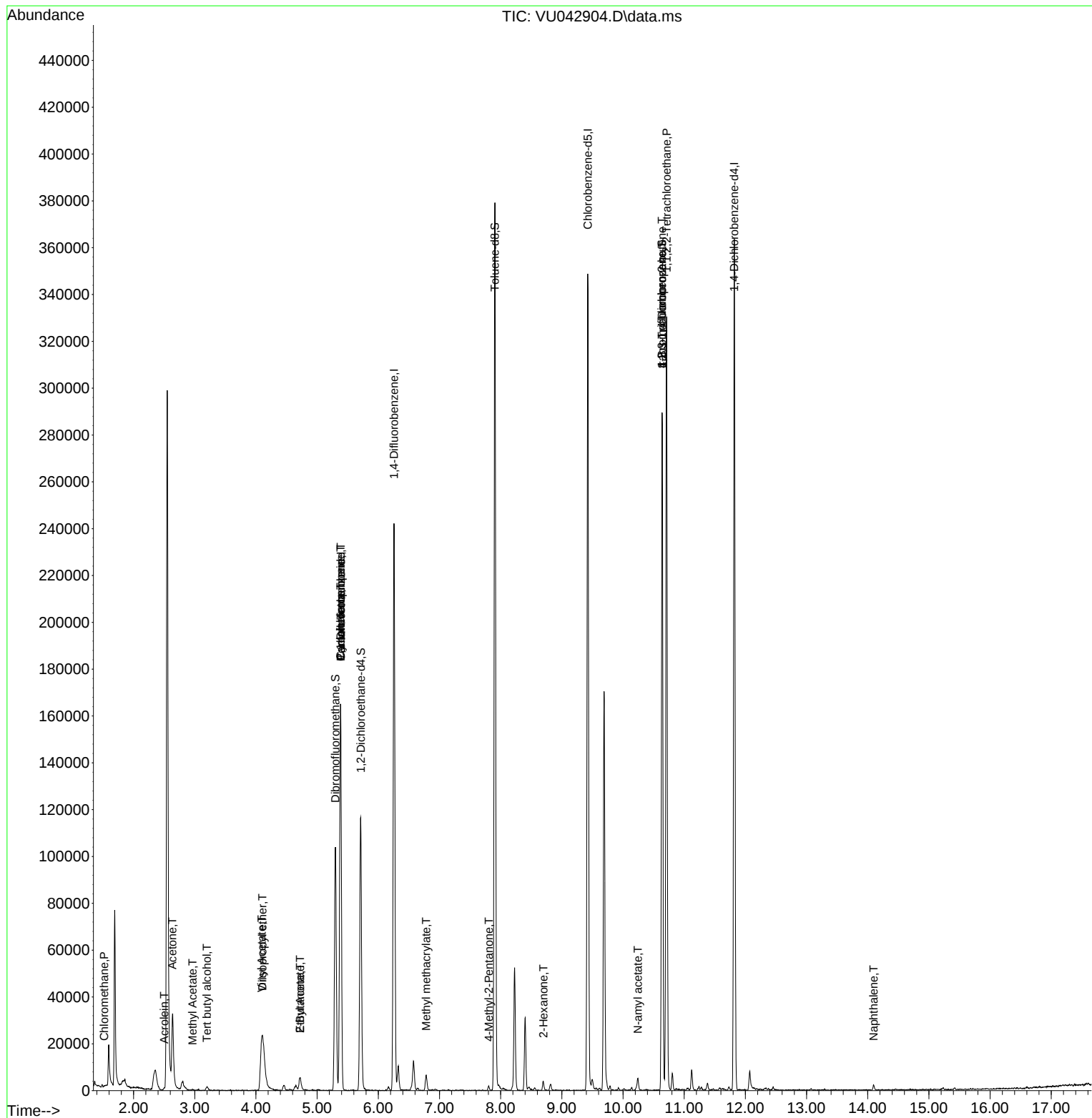
Internal Standards						
1) Pentafluorobenzene	5.385	168	115089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	181701	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	176535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	90234	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	91196	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	
35) Dibromofluoromethane	5.298	113	64450	47.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.06%	
50) Toluene-d8	7.906	98	229932	48.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.40%	
62) 4-Bromofluorobenzene	10.639	95	85446	46.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.18%	
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	367	0.25	ug/l #	43
5) Bromomethane	1.861	94	97	Below Cal		91
6) Chloroethane	1.938	64	184	Below Cal	#	43
11) Tert butyl alcohol	3.199	59	2029	5.17	ug/l #	74
13) Acrolein	2.501	56	986	3.14	ug/l #	65
16) Acetone	2.636	43	36679	27.27	ug/l	91
18) Methyl Acetate	2.964	43	509	0.24	ug/l #	56
22) Diisopropyl ether	4.105	45	2597	0.57	ug/l #	1
23) Vinyl Acetate	4.096	43	7076	1.66	ug/l #	76
25) 2-Butanone	4.723	43	10235	6.85	ug/l	96
31) Cyclohexane	5.382	56	2634	1.15	ug/l #	17
36) 1,1-Dichloropropene	5.382	75	9208	5.12	ug/l #	51
37) Ethyl Acetate	4.723	43	10235	3.67	ug/l #	72
38) Carbon Tetrachloride	5.385	117	11056	5.39	ug/l #	15
48) Methyl methacrylate	6.784	41	1123	0.55	ug/l #	54
51) 4-Methyl-2-Pentanone	7.806	43	1432	0.49	ug/l	93
59) 2-Hexanone	8.700	43	2836	1.21	ug/l	96
74) N-amyl acetate	10.243	43	3703	1.15	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	10.713	83	134885	57.78	ug/l #	32
76) 1,2,3-Trichloropropane	10.639	75	49970	21.78	ug/l #	37
81) trans-1,4-Dichloro-2-b...	10.639	75	49970	64.52	ug/l #	6
95) Naphthalene	14.098	128	2448	2.95	ug/l #	91

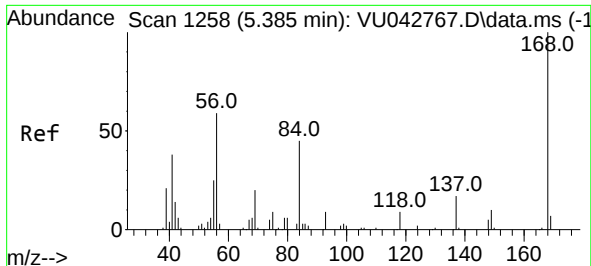
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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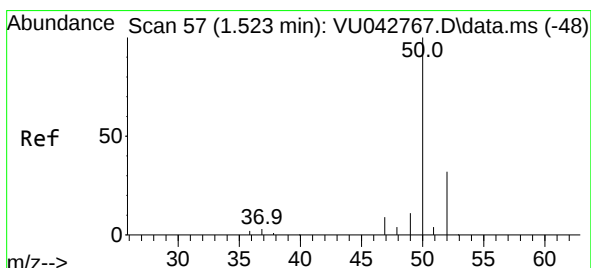
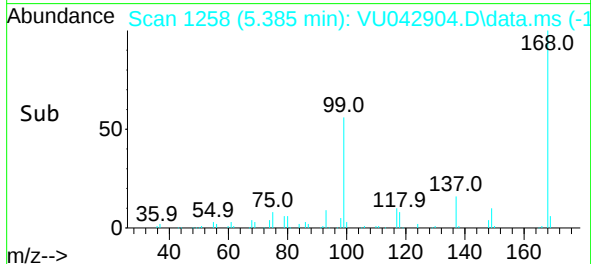
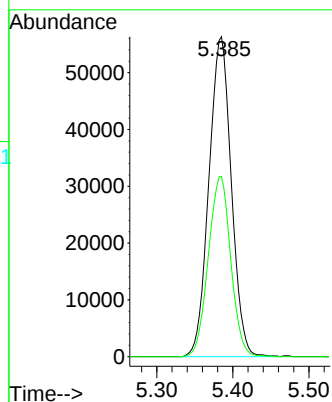
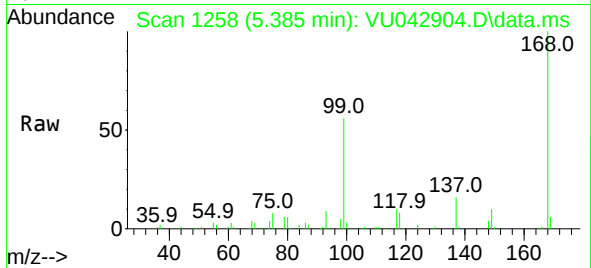




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

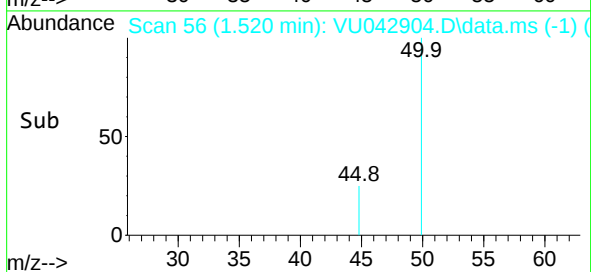
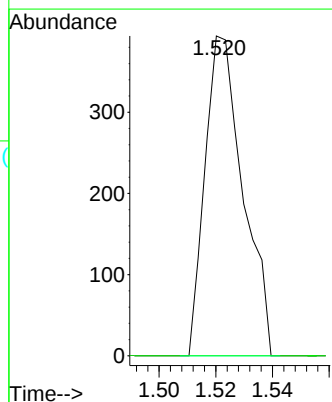
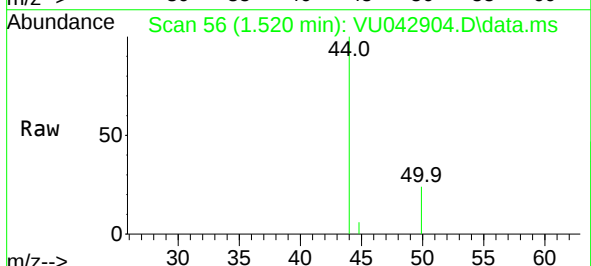
Instrument :
MSVOA_U
ClientSampled :
30809

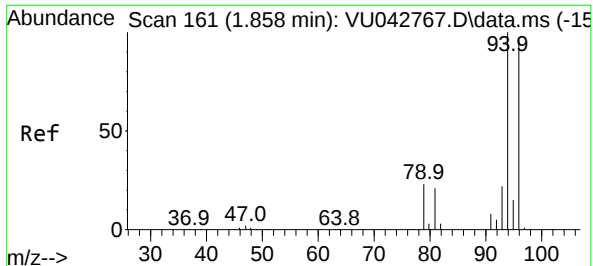
Tgt Ion:168 Resp: 115089
Ion Ratio Lower Upper
168 100
99 56.4 46.4 69.6



#3
Chloromethane
Concen: 0.25 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

Tgt Ion: 50 Resp: 367
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#





#5

Bromomethane

Concen: Below Cal

RT: 1.861 min Scan# 162

Delta R.T. 0.003 min

Lab File: VU042904.D

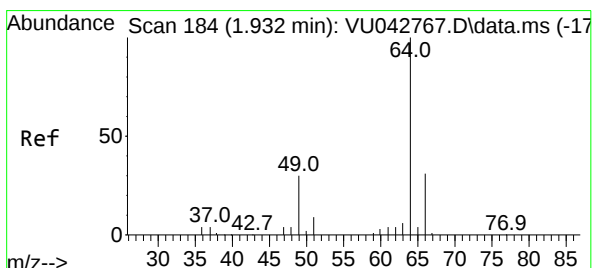
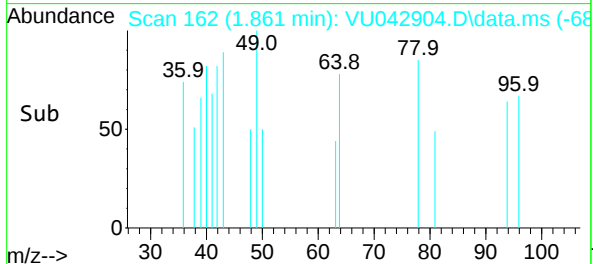
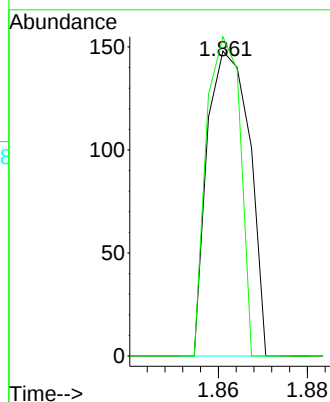
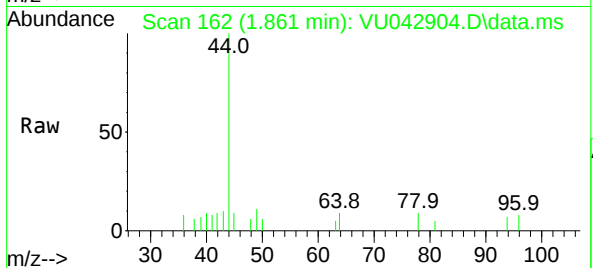
Acq: 02 Apr 2021 18:32

Tgt Ion: 94 Resp: 97

Ion Ratio Lower Upper

94 100

96 104.7 77.1 115.7



#6

Chloroethane

Concen: Below Cal

RT: 1.938 min Scan# 186

Delta R.T. 0.006 min

Lab File: VU042904.D

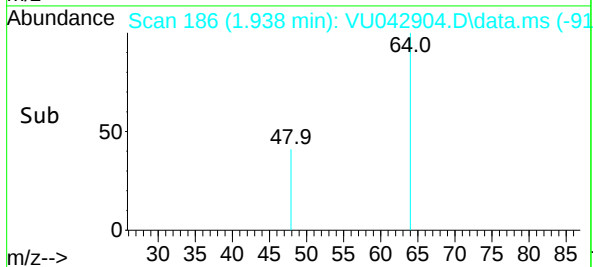
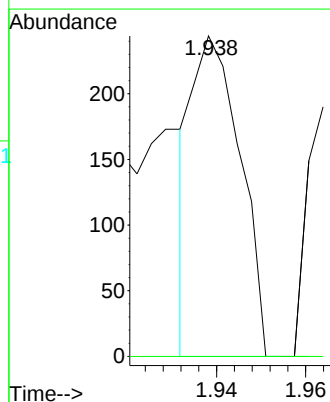
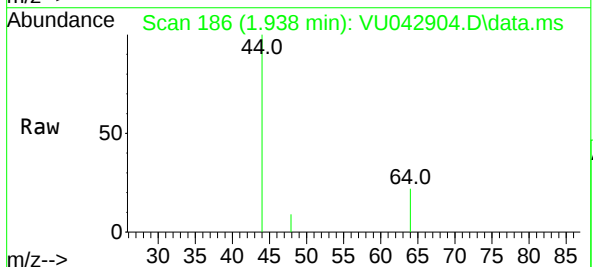
Acq: 02 Apr 2021 18:32

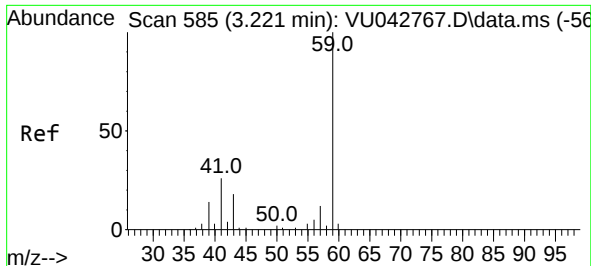
Tgt Ion: 64 Resp: 184

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



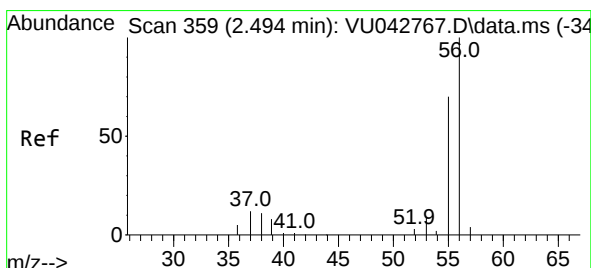
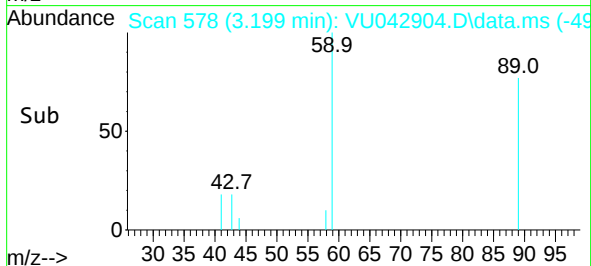
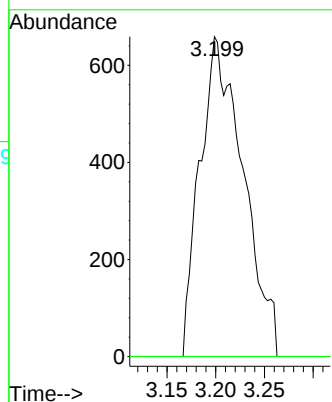
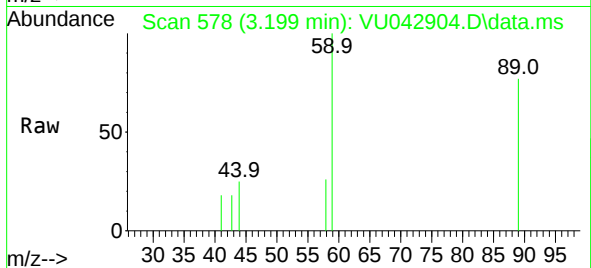


#11

Tert butyl alcohol
Concen: 5.17 ug/l
RT: 3.199 min Scan# 578
Delta R.T. -0.023 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

Instrument :
MSVOA_U
ClientSampled :
30809

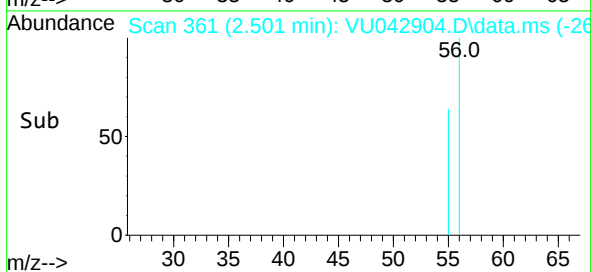
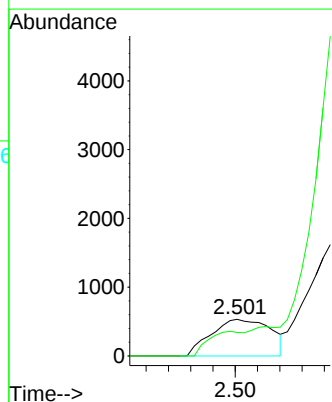
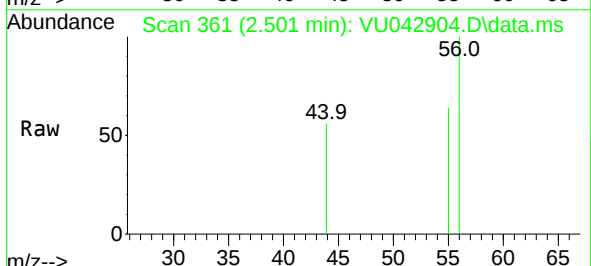
Tgt Ion: 59 Resp: 2029
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

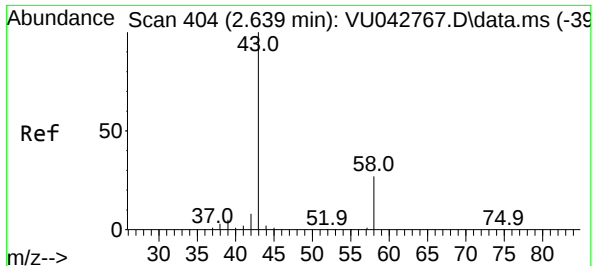


#13

Acrolein
Concen: 3.14 ug/l
RT: 2.501 min Scan# 361
Delta R.T. 0.007 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

Tgt Ion: 56 Resp: 986
Ion Ratio Lower Upper
56 100
55 40.8 55.8 83.8#

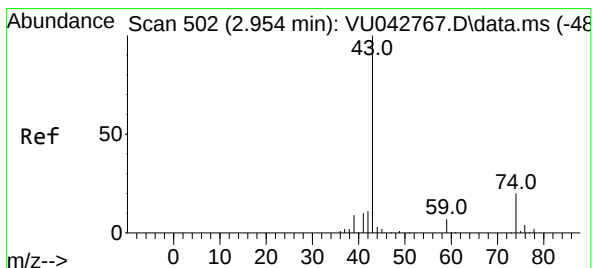
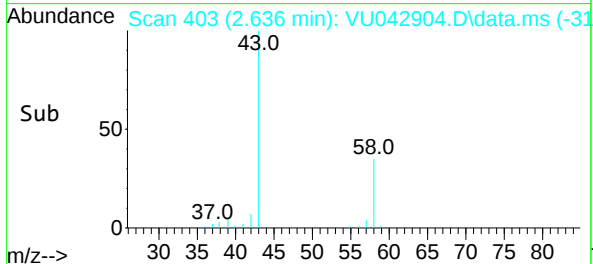
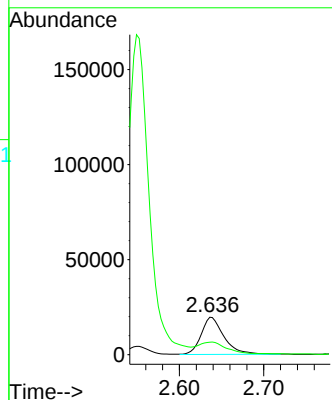
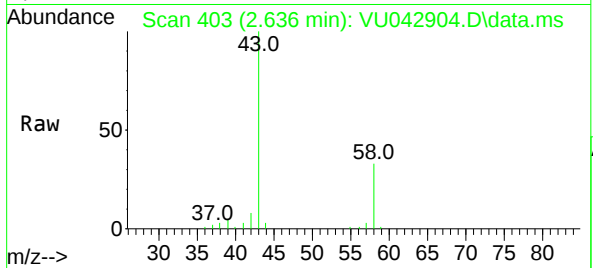




#16
Acetone
Concen: 27.27 ug/l
RT: 2.636 min Scan# 403
Delta R.T. -0.003 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

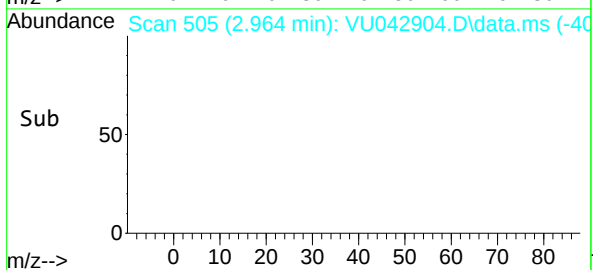
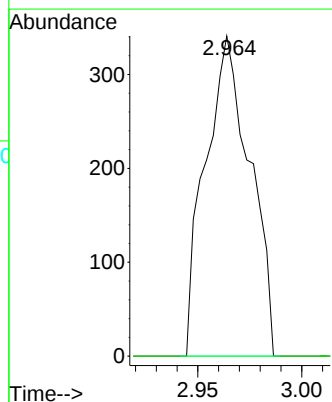
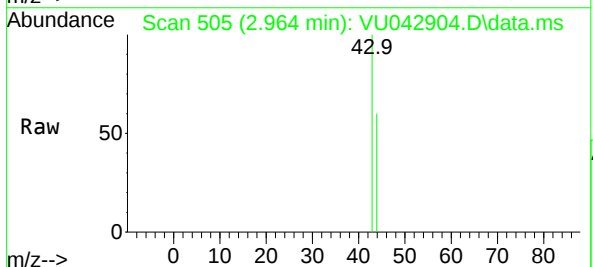
Instrument :
MSVOA_U
ClientSampleId :
30809

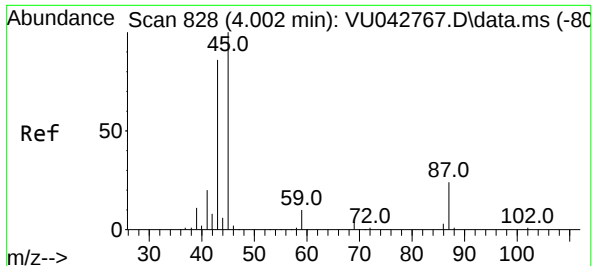
Tgt Ion: 43 Resp: 36679
Ion Ratio Lower Upper
43 100
58 31.4 21.6 32.4



#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.964 min Scan# 505
Delta R.T. 0.010 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

Tgt Ion: 43 Resp: 509
Ion Ratio Lower Upper
43 100
74 0.0 16.2 24.4#





#22

Diisopropyl ether

Concen: 0.57 ug/l

RT: 4.105 min Scan# 860

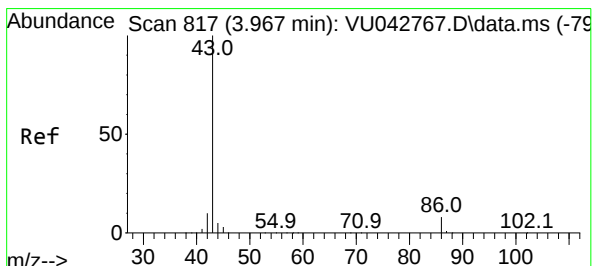
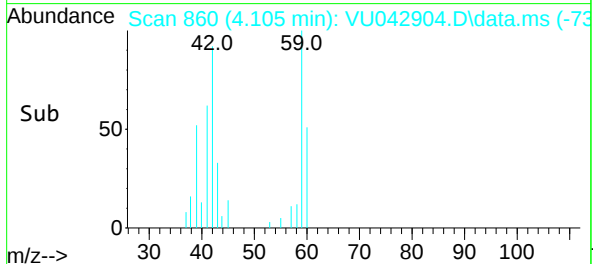
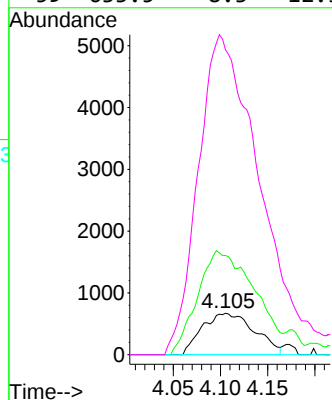
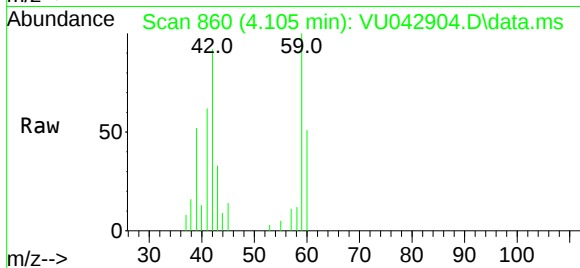
Delta R.T. 0.103 min

Lab File: VU042904.D

Acq: 02 Apr 2021 18:32

Tgt Ion:	45	Resp:	2597
Ion	Ratio	Lower	Upper
45	100		
43	203.1	68.6	102.8#
87	0.0	19.1	28.7#
59	633.5	8.3	12.5#

Instrument :
MSVOA_U
ClientSampled :
30809



#23

Vinyl Acetate

Concen: 1.66 ug/l

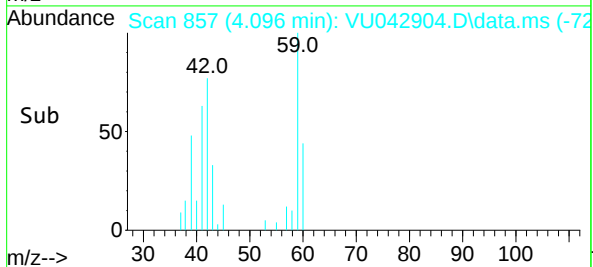
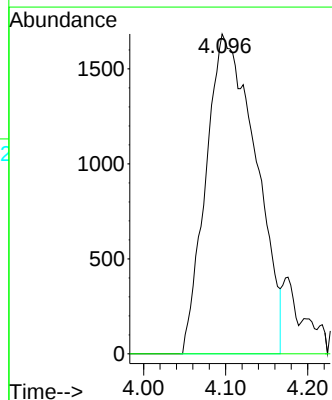
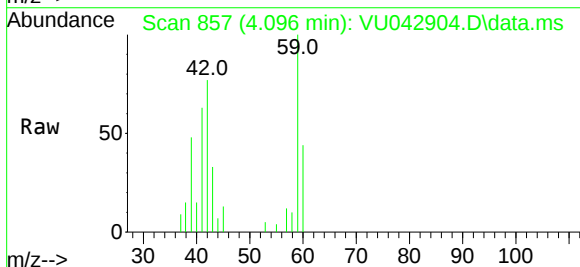
RT: 4.096 min Scan# 857

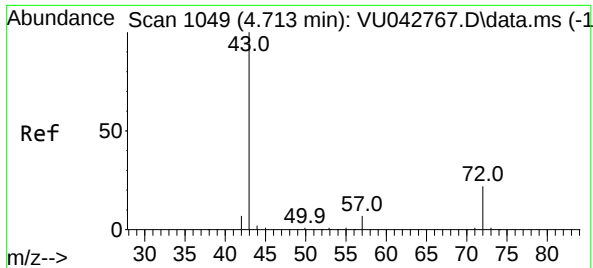
Delta R.T. 0.129 min

Lab File: VU042904.D

Acq: 02 Apr 2021 18:32

Tgt Ion:	43	Resp:	7076
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.7	10.1#

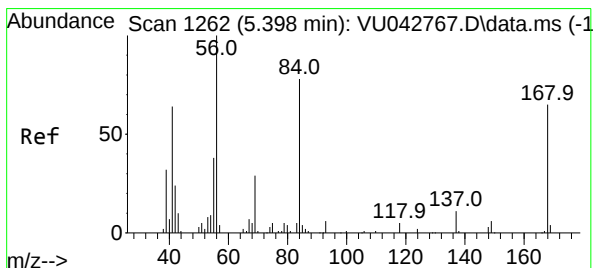
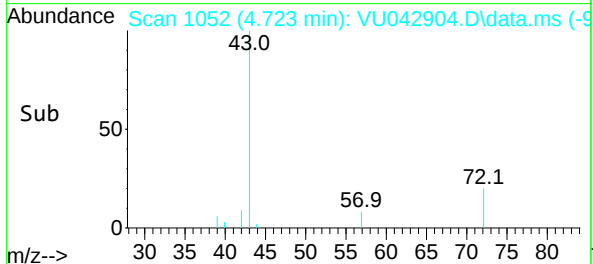
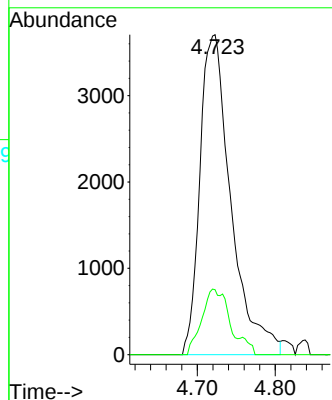
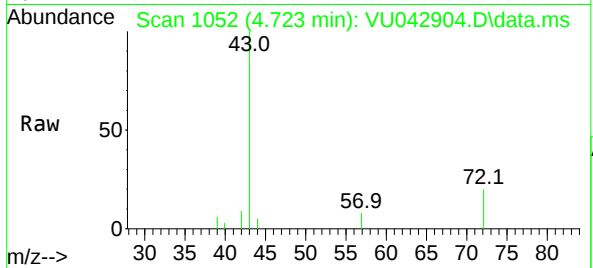




#25
2-Butanone
Concen: 6.85 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.010 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

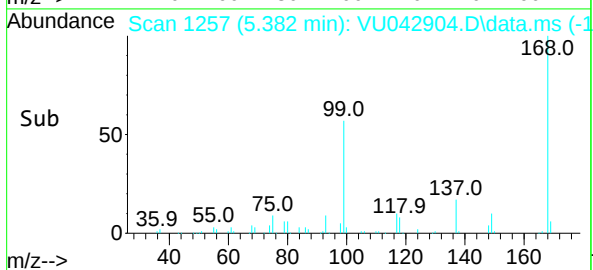
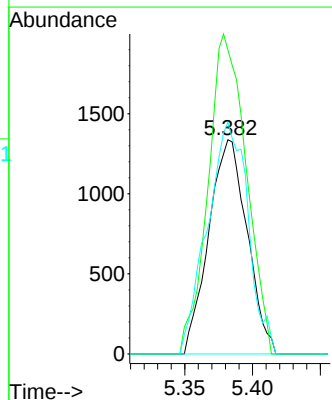
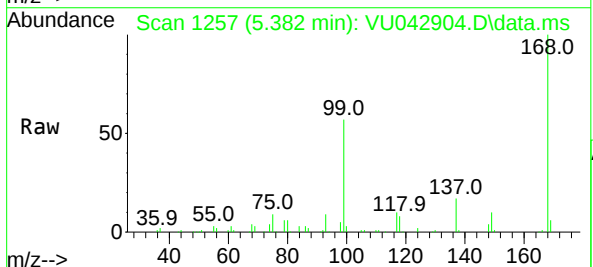
Instrument :
MSVOA_U
ClientSampled :
30809

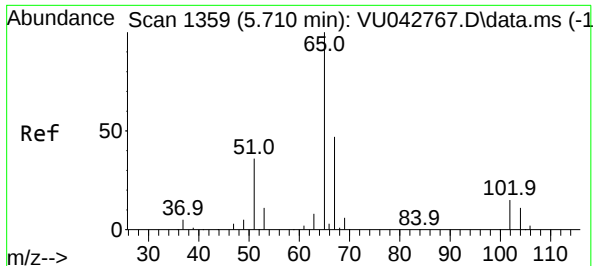
Tgt Ion: 43 Resp: 10235
Ion Ratio Lower Upper
43 100
72 20.3 17.7 26.5



#31
Cyclohexane
Concen: 1.15 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

Tgt Ion: 56 Resp: 2634
Ion Ratio Lower Upper
56 100
69 141.9 23.3 34.9#
84 108.1 62.2 93.4#





#33

1,2-Dichloroethane-d4

Concen: 49.71 ug/l

RT: 5.713 min Scan# 1360

Delta R.T. 0.003 min

Lab File: VU042904.D

Acq: 02 Apr 2021 18:32

Tgt Ion: 65 Resp: 91196

Ion Ratio Lower Upper

65 100

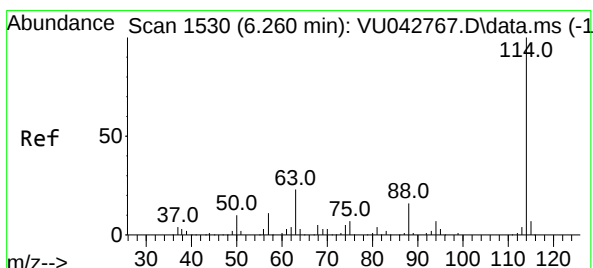
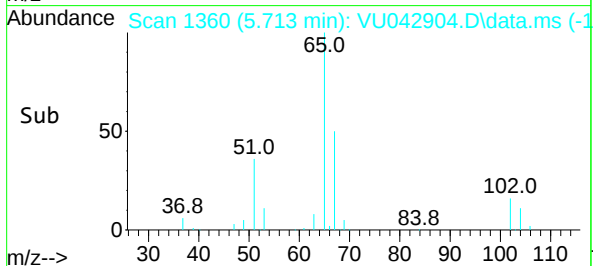
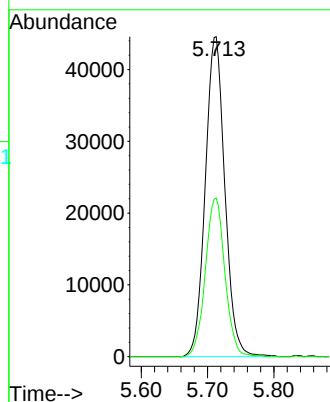
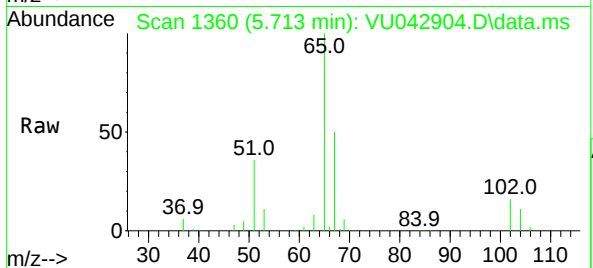
67 49.6 0.0 98.8

Instrument :

MSVOA_U

ClientSampled :

30809



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. -0.004 min

Lab File: VU042904.D

Acq: 02 Apr 2021 18:32

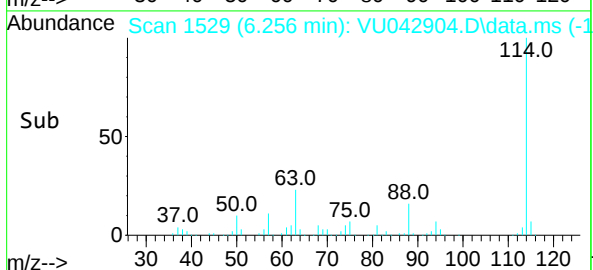
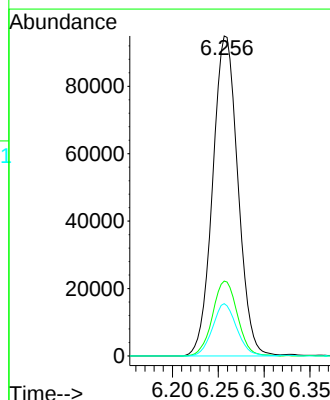
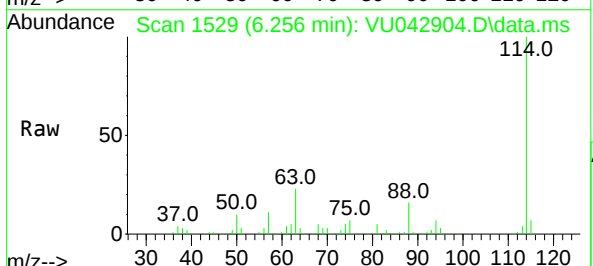
Tgt Ion: 114 Resp: 181701

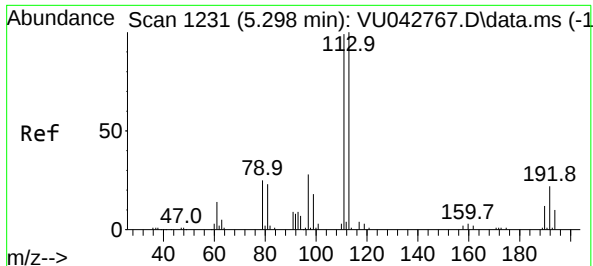
Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.8

88 16.3 0.0 32.2

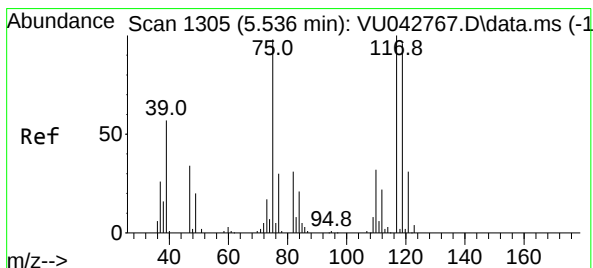
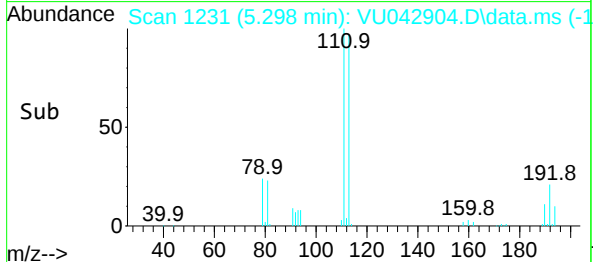
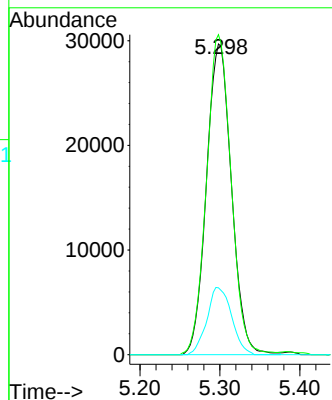
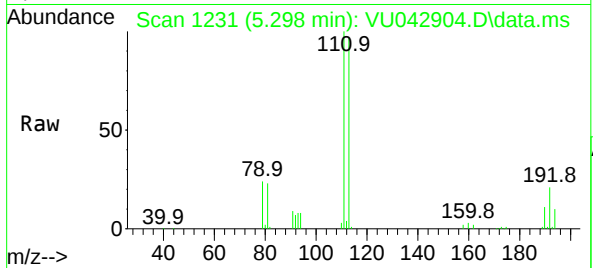




#35
Dibromofluoromethane
Concen: 47.53 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

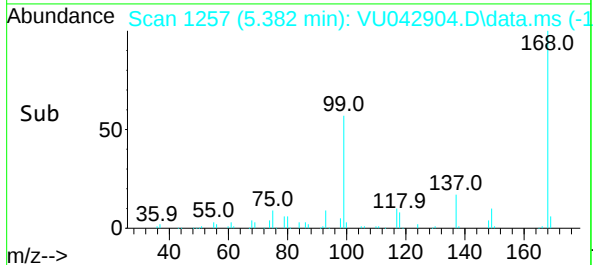
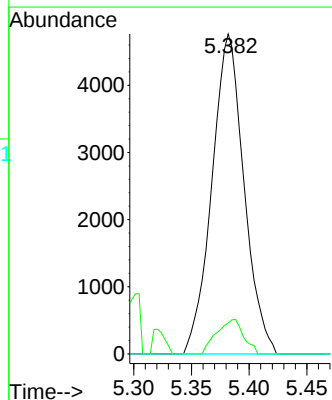
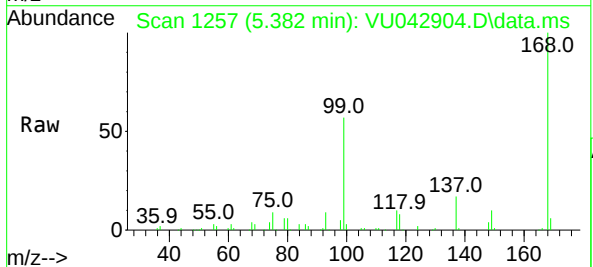
Instrument :
MSVOA_U
ClientSampleId :
30809

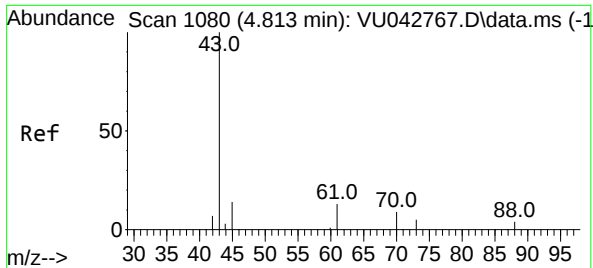
Tgt Ion:113 Resp: 64450
Ion Ratio Lower Upper
113 100
111 101.6 82.1 123.1
192 21.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.12 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.154 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

Tgt Ion: 75 Resp: 9208
Ion Ratio Lower Upper
75 100
110 9.0 16.6 49.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 3.67 ug/l

RT: 4.723 min Scan# 1052

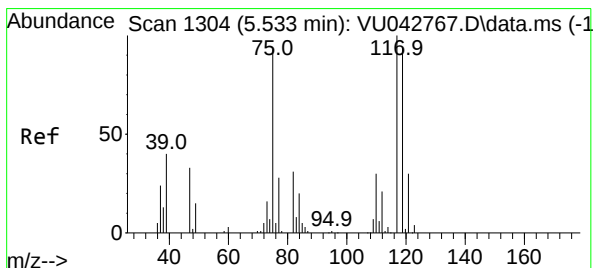
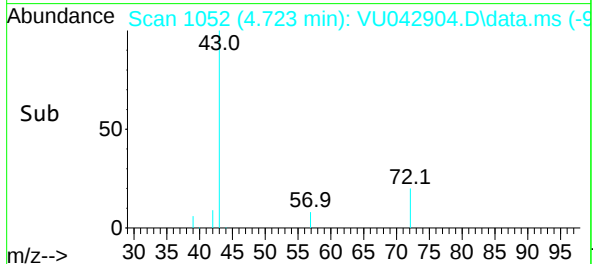
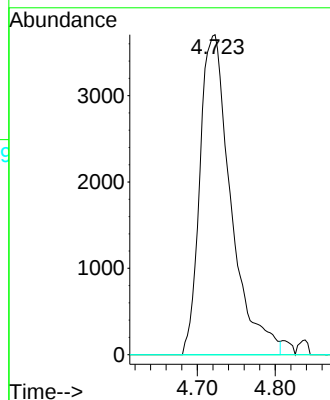
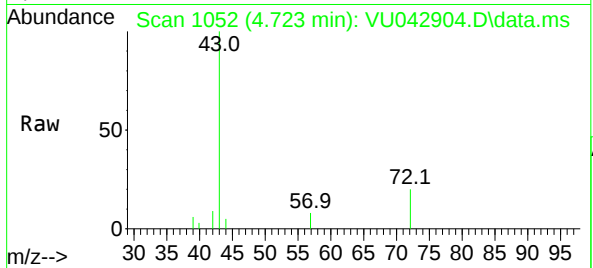
Delta R.T. -0.090 min

Lab File: VU042904.D

Acq: 02 Apr 2021 18:32

Tgt Ion:	43	Resp:	10235
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	6.6	9.8#

Instrument :
MSVOA_U
ClientSampleId :
30809



#38

Carbon Tetrachloride

Concen: 5.39 ug/l

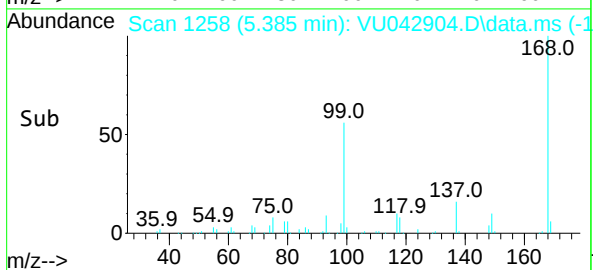
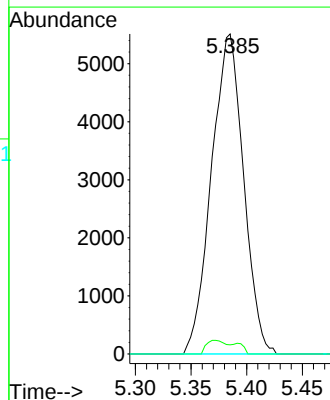
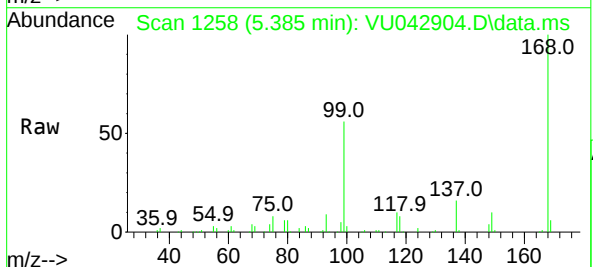
RT: 5.385 min Scan# 1258

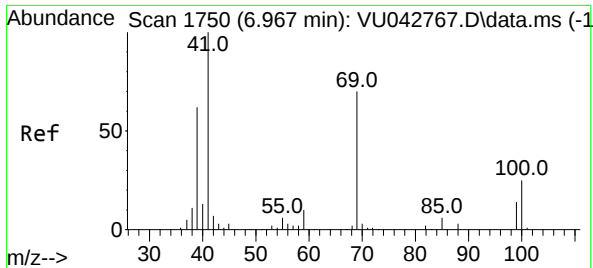
Delta R.T. -0.148 min

Lab File: VU042904.D

Acq: 02 Apr 2021 18:32

Tgt Ion:	117	Resp:	11056
Ion	Ratio	Lower	Upper
117	100		
119	2.9	75.2	112.8#
121	0.0	24.2	36.4#

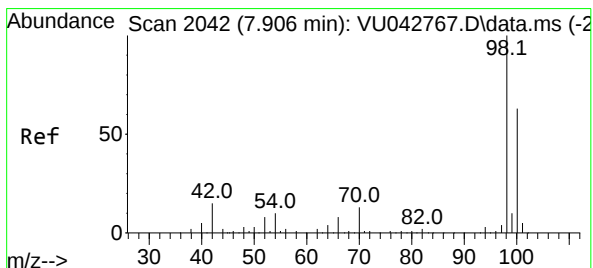
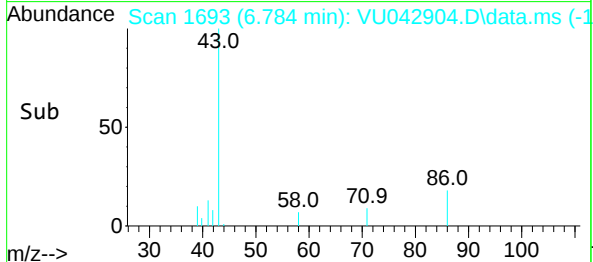
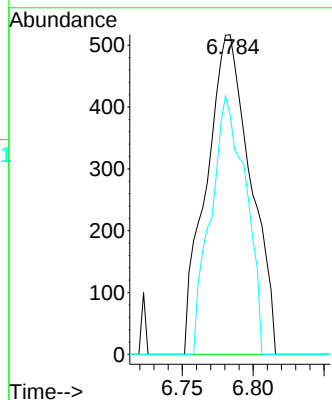
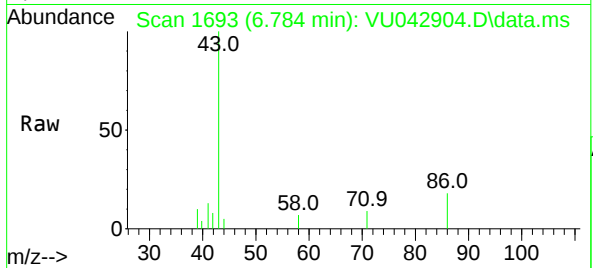




#48
Methyl methacrylate
Concen: 0.55 ug/l
RT: 6.784 min Scan# 1693
Delta R.T. -0.183 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

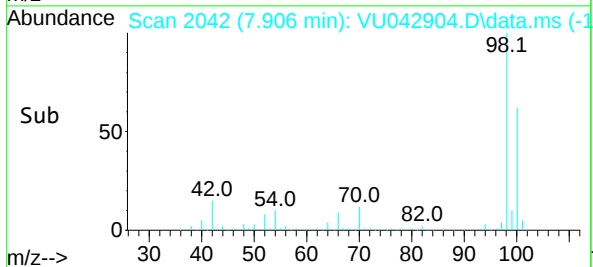
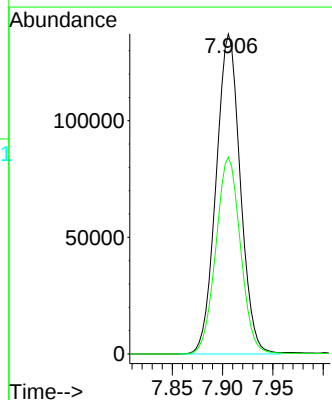
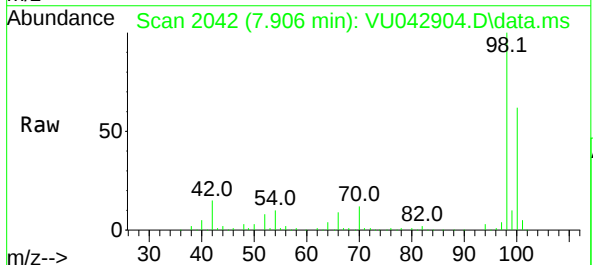
Instrument :
MSVOA_U
ClientSampled :
30809

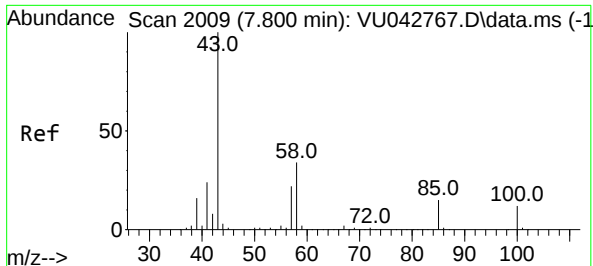
Tgt Ion: 41 Resp: 1123
Ion Ratio Lower Upper
41 100
69 0.0 55.9 83.9#
39 63.8 49.7 74.5



#50
Toluene-d8
Concen: 48.20 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

Tgt Ion: 98 Resp: 229932
Ion Ratio Lower Upper
98 100
100 62.5 50.4 75.6

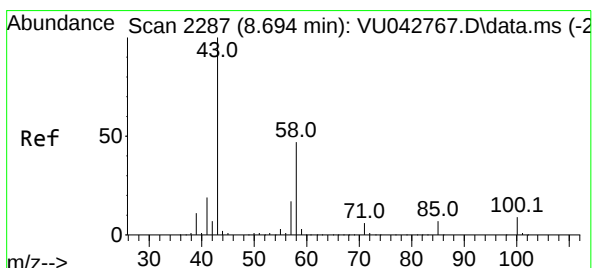
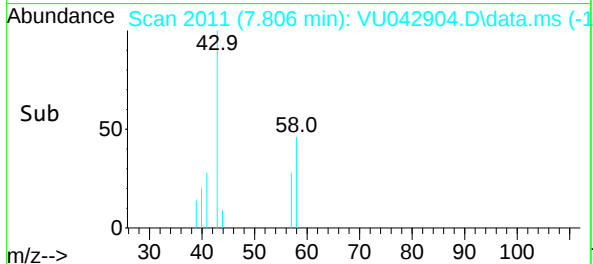
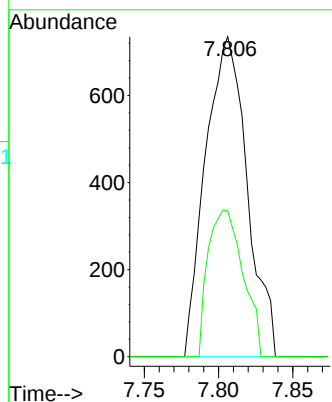
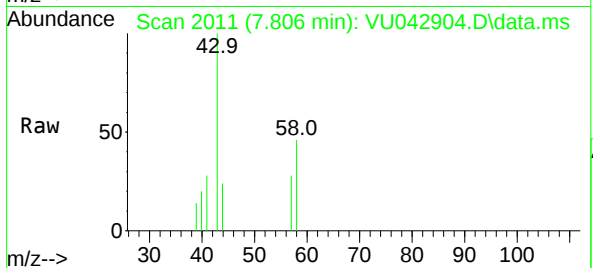




#51
4-Methyl-2-Pentanone
Concen: 0.49 ug/l
RT: 7.806 min Scan# 2011
Delta R.T. 0.006 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

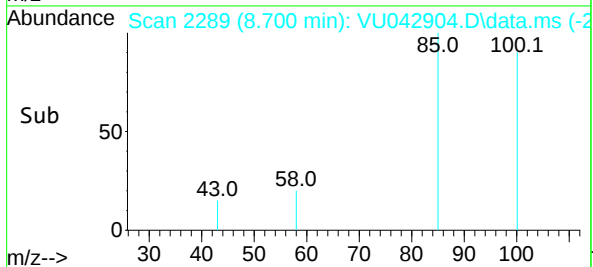
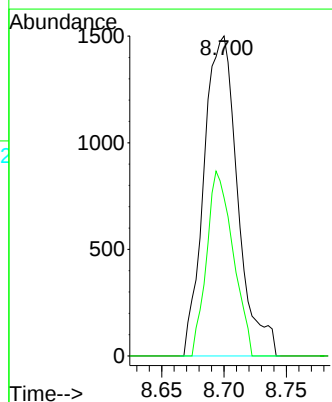
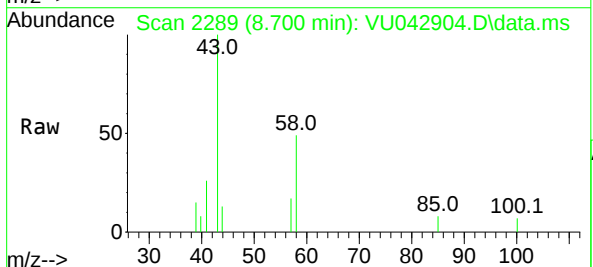
Instrument :
MSVOA_U
ClientSampled :
30809

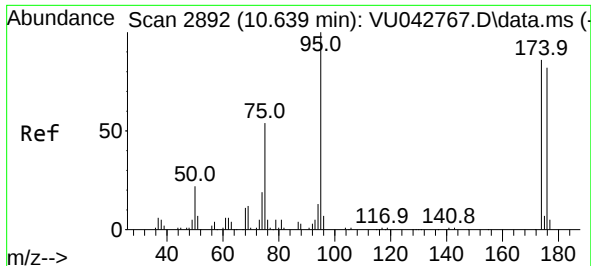
Tgt Ion: 43 Resp: 1432
Ion Ratio Lower Upper
43 100
58 38.4 27.4 41.2



#59
2-Hexanone
Concen: 1.21 ug/l
RT: 8.700 min Scan# 2289
Delta R.T. 0.006 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

Tgt Ion: 43 Resp: 2836
Ion Ratio Lower Upper
43 100
58 45.0 23.8 71.2

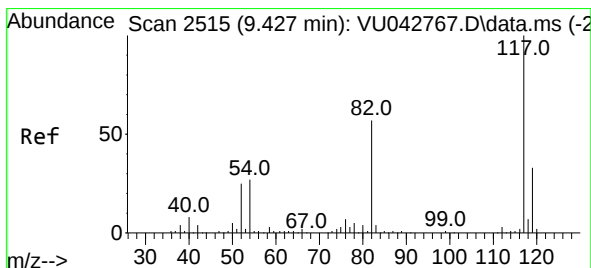
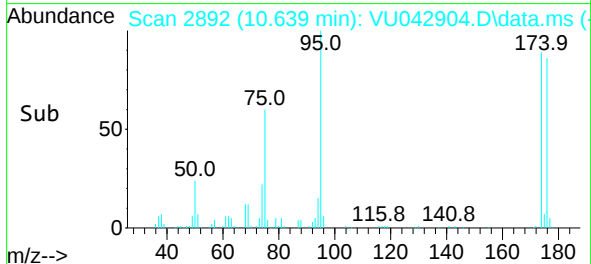
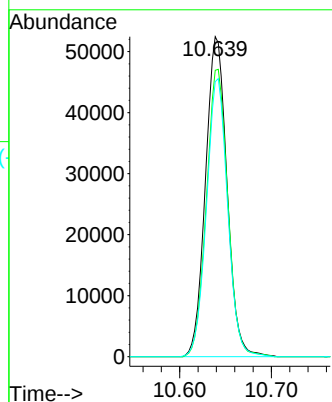
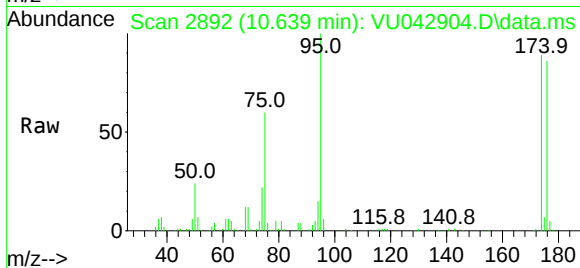




#62
4-Bromofluorobenzene
Concen: 46.09 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

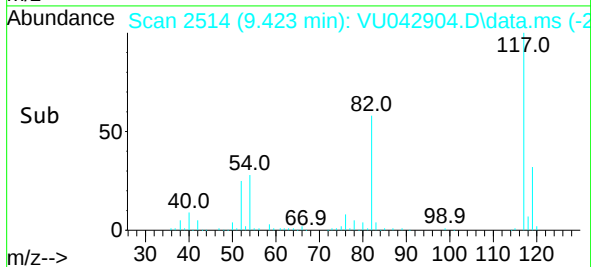
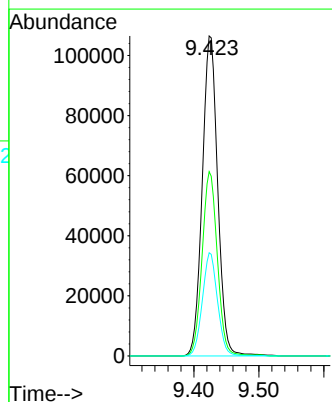
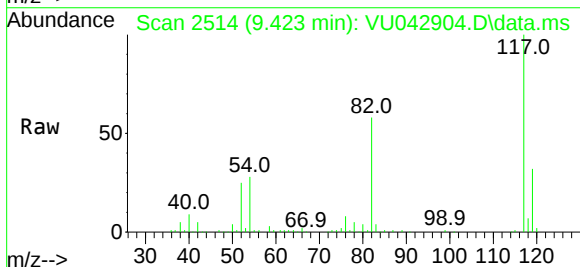
Instrument :
MSVOA_U
ClientSampleId :
30809

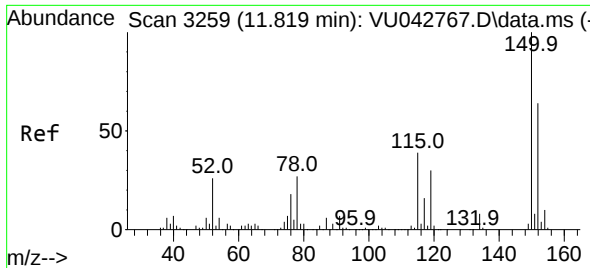
Tgt Ion: 95 Resp: 85446
Ion Ratio Lower Upper
95 100
174 89.5 0.0 175.2
176 85.4 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

Tgt Ion: 117 Resp: 176535
Ion Ratio Lower Upper
117 100
82 57.6 45.5 68.3
119 32.2 26.2 39.4

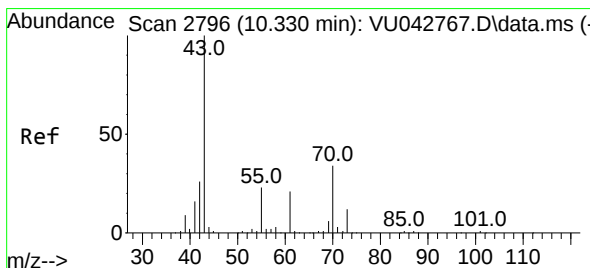
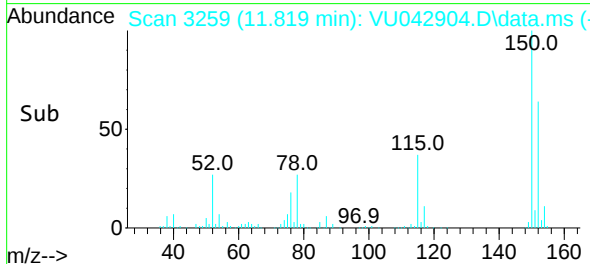
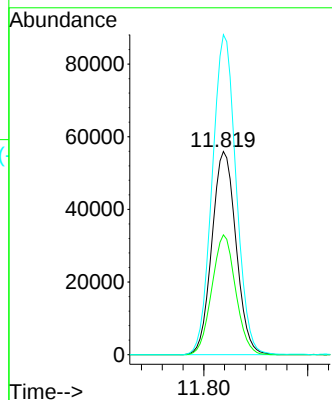
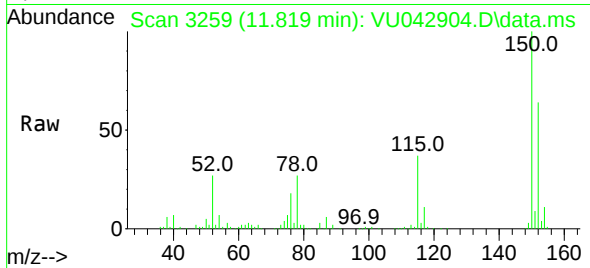




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU042904.D
 Acq: 02 Apr 2021 18:32

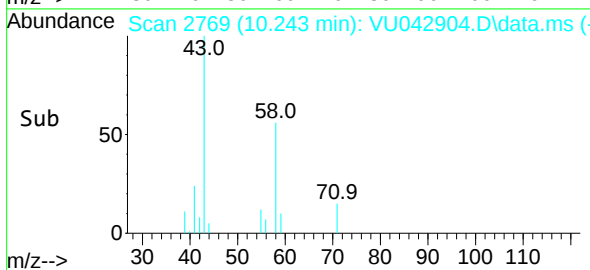
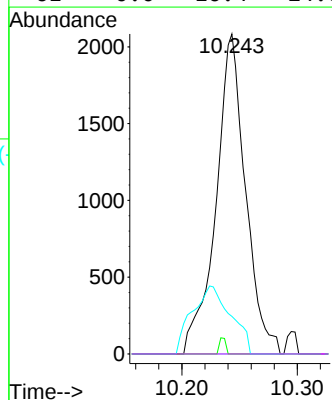
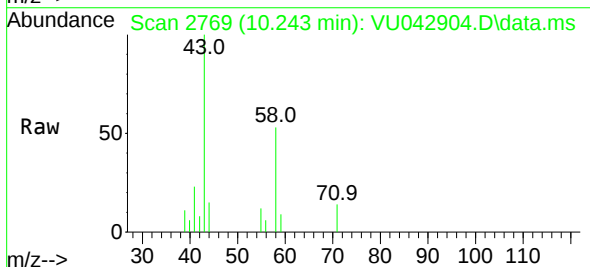
Instrument :
 MSVOA_U
 ClientSampled :
 30809

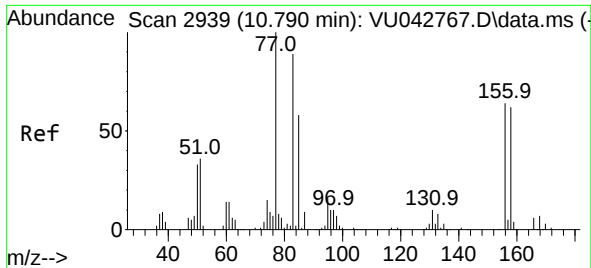
Tgt Ion:152 Resp: 90234
 Ion Ratio Lower Upper
 152 100
 115 58.0 41.0 123.0
 150 156.0 0.0 341.0



#74
 N-ethyl acetate
 Concen: 1.15 ug/l
 RT: 10.243 min Scan# 2769
 Delta R.T. -0.087 min
 Lab File: VU042904.D
 Acq: 02 Apr 2021 18:32

Tgt Ion: 43 Resp: 3703
 Ion Ratio Lower Upper
 43 100
 70 1.1 27.8 41.6#
 55 27.6 18.4 27.6#
 61 0.0 16.4 24.6#

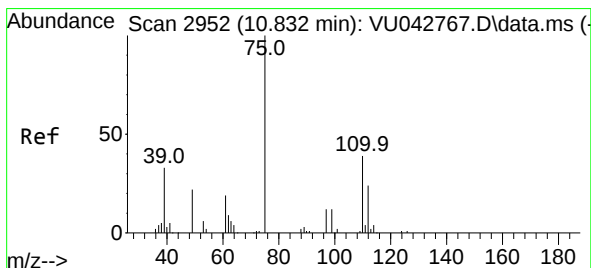
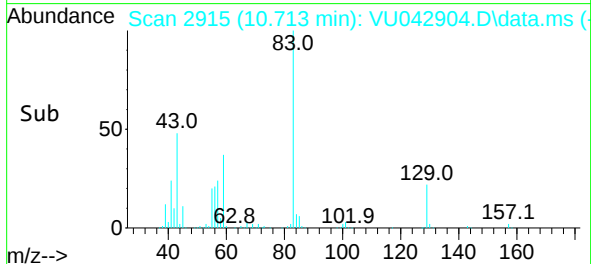
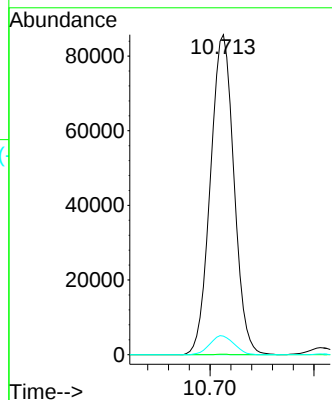
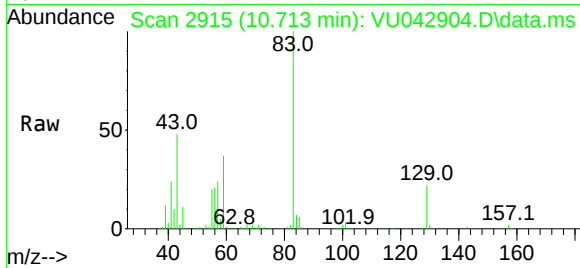




#75
 1,1,2,2-Tetrachloroethane
 Concen: 57.78 ug/l
 RT: 10.713 min Scan# 2915
 Delta R.T. -0.077 min
 Lab File: VU042904.D
 Acq: 02 Apr 2021 18:32

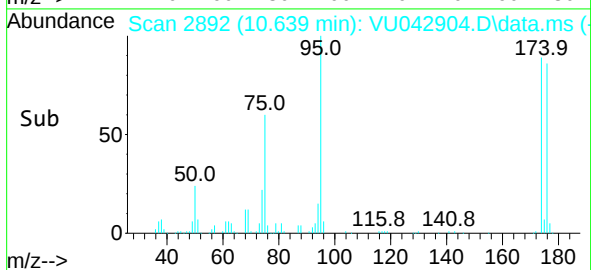
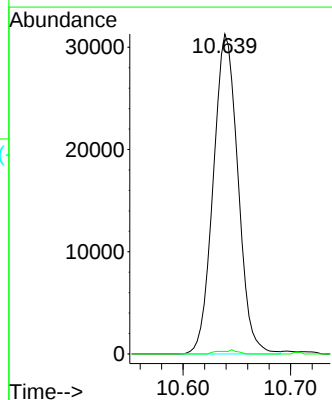
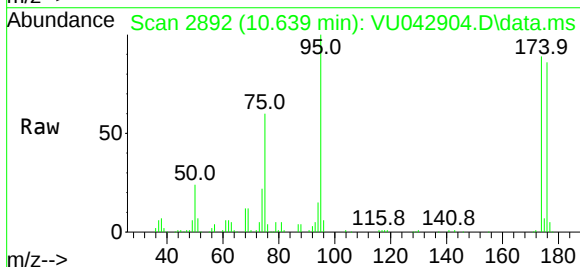
Instrument :
 MSVOA_U
 ClientSampleId :
 30809

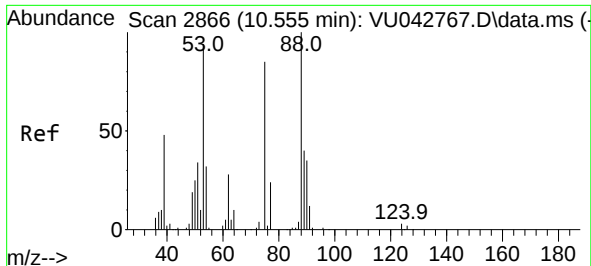
Tgt Ion: 83 Resp: 134885
 Ion Ratio Lower Upper
 83 100
 131 0.1 5.1 15.2#
 85 6.1 32.0 96.2#



#76
 1,2,3-Trichloropropane
 Concen: 21.78 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU042904.D
 Acq: 02 Apr 2021 18:32

Tgt Ion: 75 Resp: 49970
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.6 58.8#

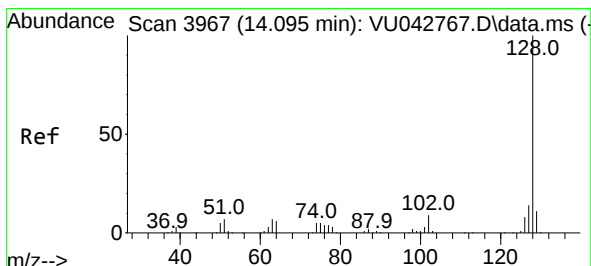
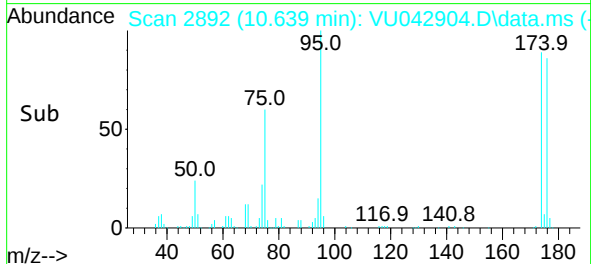
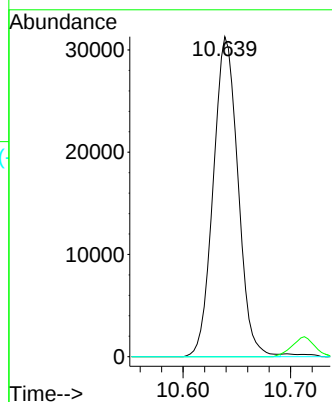
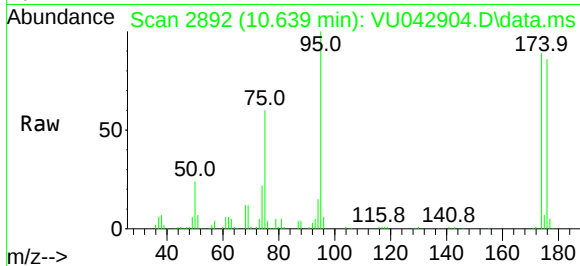




#81
trans-1,4-Dichloro-2-butene
Concen: 64.52 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

Instrument :
MSVOA_U
ClientSampled :
30809

Tgt Ion: 75 Resp: 49970
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 2.95 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU042904.D
Acq: 02 Apr 2021 18:32

Tgt Ion:128 Resp: 2448
Ion Ratio Lower Upper
128 100
127 8.6 10.9 16.3#
129 9.5 8.7 13.1

