

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051221\
 Data File : VU043692.D
 Acq On : 12 May 2021 20:52
 Operator : SY/MD
 Sample : M2367-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 13 01:37:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 09:51:45 2021
 Response via : Initial Calibration

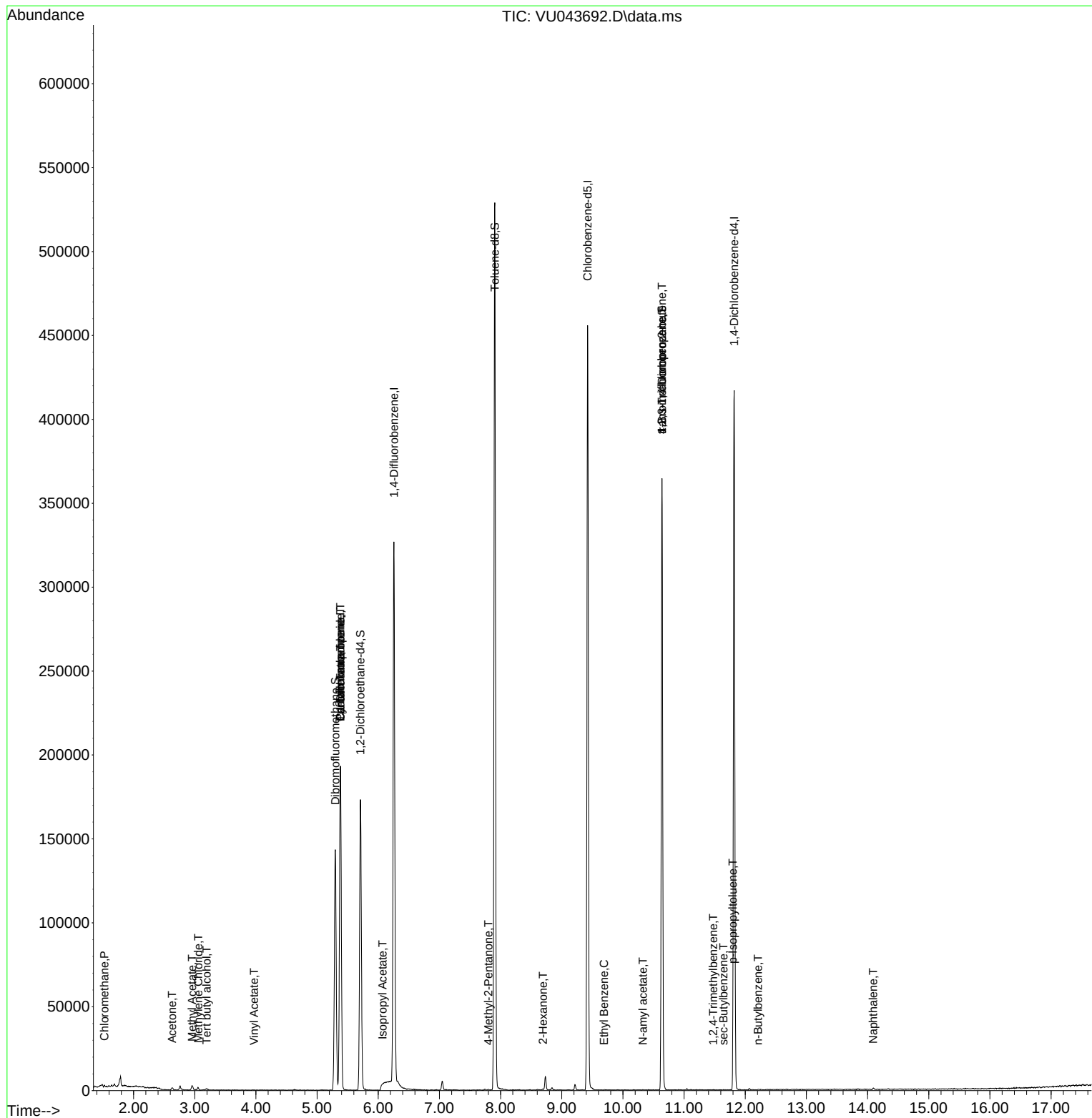
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.382	168	124276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	230509	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	220893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	98353	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	128719	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
35) Dibromofluoromethane	5.298	113	88820	46.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.38%	
50) Toluene-d8	7.906	98	317210	49.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	10.639	95	110759	44.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.80%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	611	0.58	ug/l #	86
11) Tert butyl alcohol	3.195	59	552	0.82	ug/l #	73
16) Acetone	2.629	43	1683	1.21	ug/l	98
18) Methyl Acetate	2.957	43	3857	1.21	ug/l	95
20) Methylene Chloride	3.057	84	552	0.28	ug/l #	92
23) Vinyl Acetate	3.970	43	19	9.95	ug/l #	78
31) Cyclohexane	5.382	56	3397	1.13	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	11999	4.59	ug/l #	50
38) Carbon Tetrachloride	5.382	117	13242	4.99	ug/l #	17
43) Isopropyl Acetate	6.070	43	2563	0.39	ug/l #	66
51) 4-Methyl-2-Pentanone	7.800	43	617	19.29	ug/l #	41
59) 2-Hexanone	8.693	43	662	20.85	ug/l #	64
67) Ethyl Benzene	9.693	91	137	1.46	ug/l #	45
74) N-amyl acetate	10.327	43	176	2.55	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	63908	20.44	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.639	75	63908	66.55	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.478	105	104	1.13	ug/l #	33
85) sec-Butylbenzene	11.645	105	68	1.34	ug/l #	59
86) p-Isopropyltoluene	11.796	119	68	1.48	ug/l #	1
89) n-Butylbenzene	12.208	91	132	2.55	ug/l #	35
95) Naphthalene	14.092	128	1138	1.66	ug/l #	77

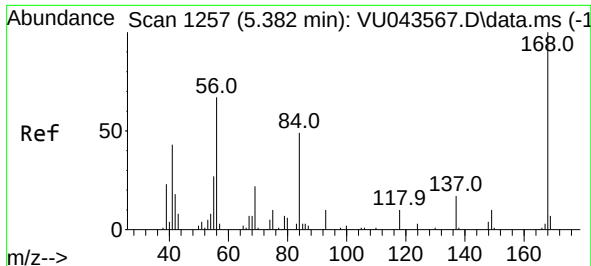
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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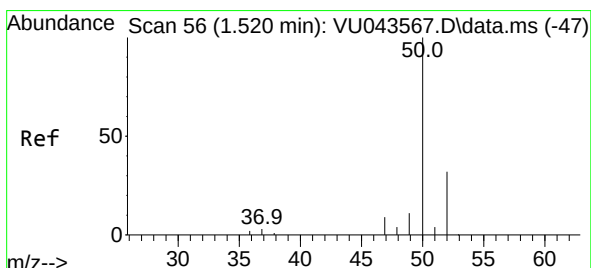
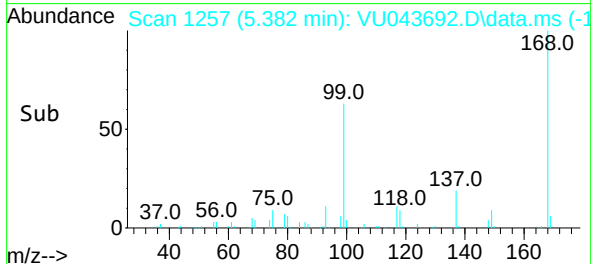
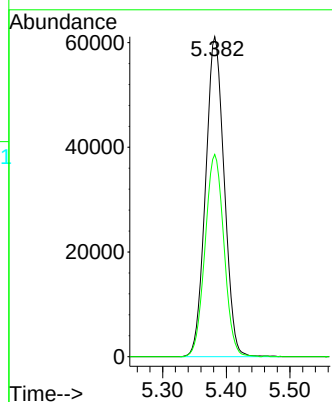
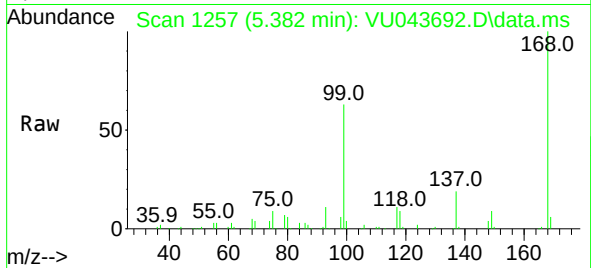




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

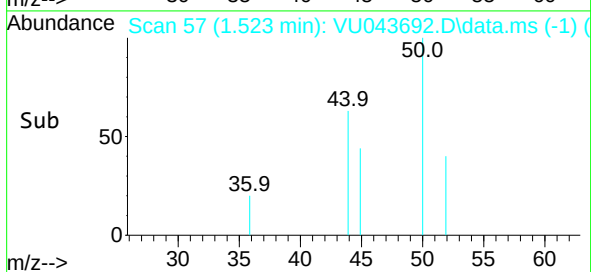
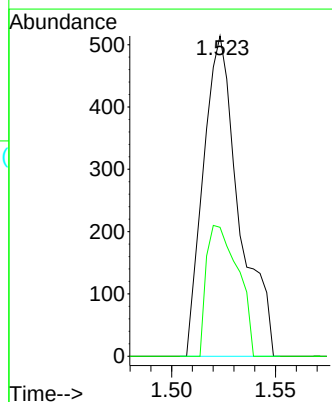
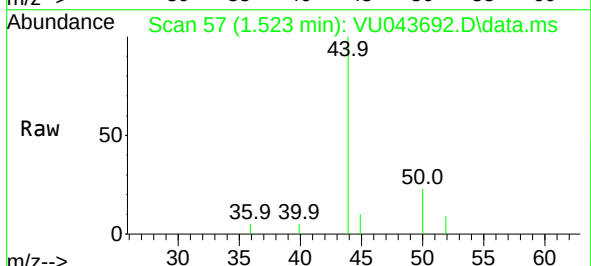
Instrument :
MSVOA_U
ClientSampleId :

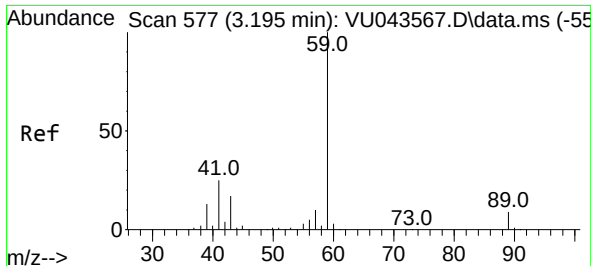
Tgt Ion:168 Resp: 124276
Ion Ratio Lower Upper
168 100
99 63.2 49.0 73.6



#3
Chloromethane
Concen: 0.58 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

Tgt Ion: 50 Resp: 611
Ion Ratio Lower Upper
50 100
52 40.3 25.9 38.9#



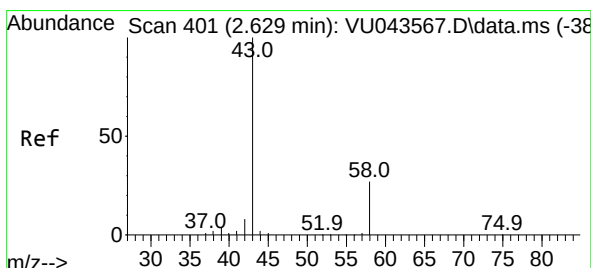
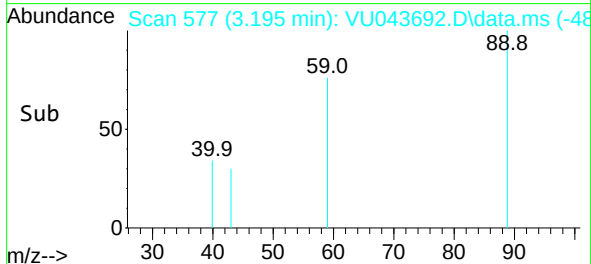
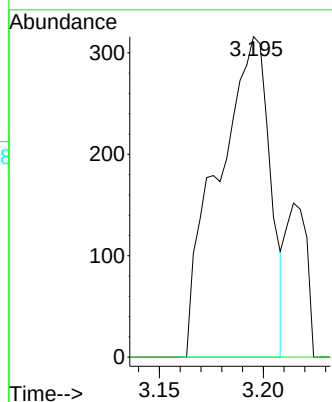
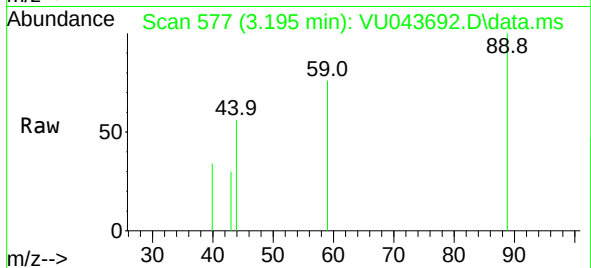


#11

Tert butyl alcohol
Concen: 0.82 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.000 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

Instrument :
MSVOA_U
ClientSampled :

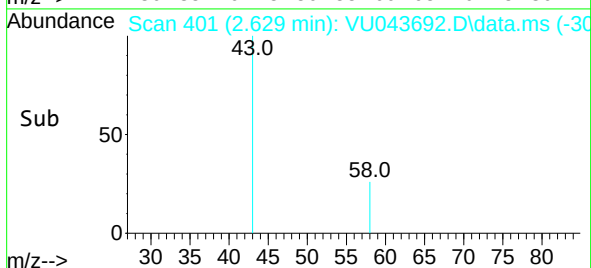
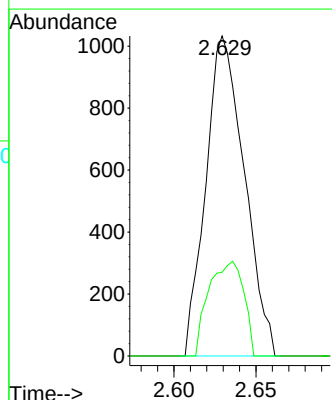
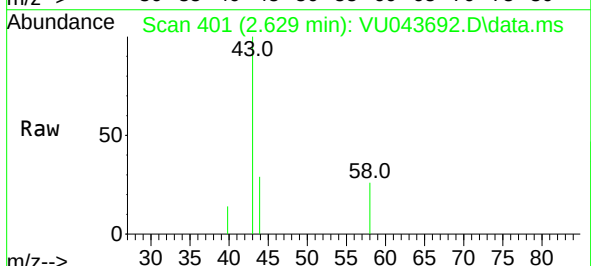
Tgt Ion: 59 Resp: 552
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

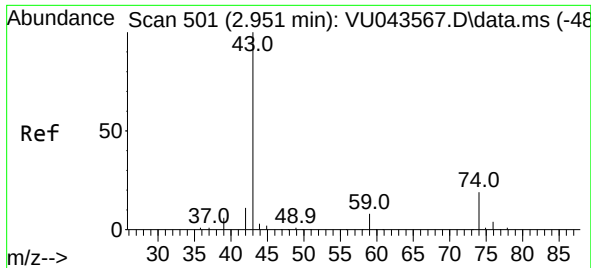


#16

Acetone
Concen: 1.21 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.000 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

Tgt Ion: 43 Resp: 1683
Ion Ratio Lower Upper
43 100
58 26.1 21.7 32.5

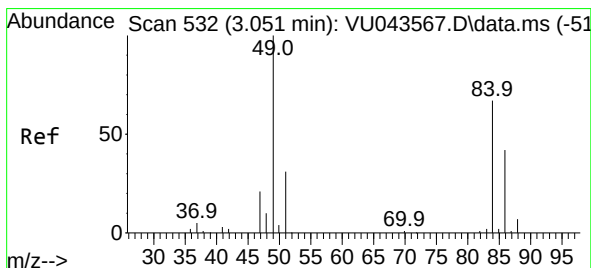
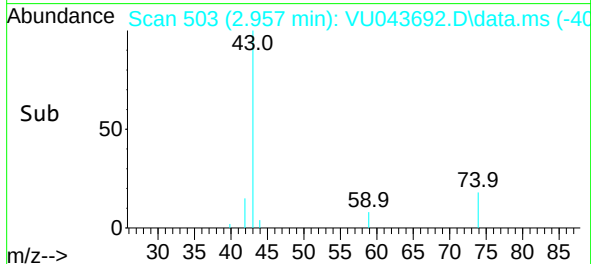
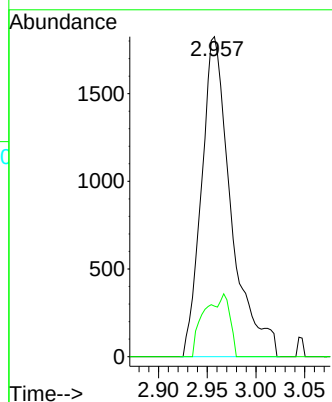
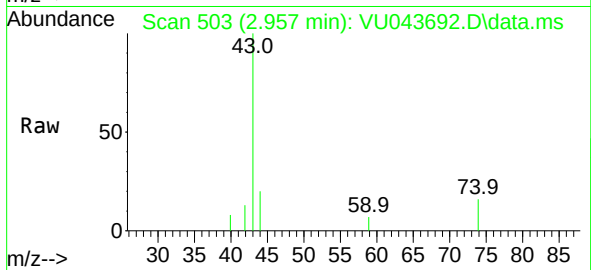




#18
Methyl Acetate
Concen: 1.21 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.006 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

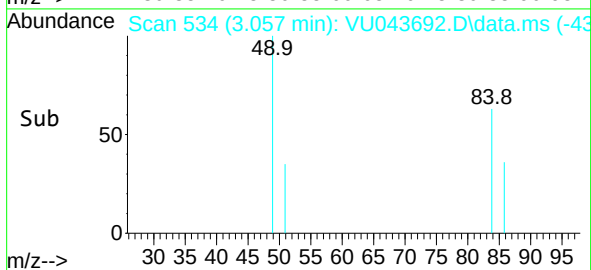
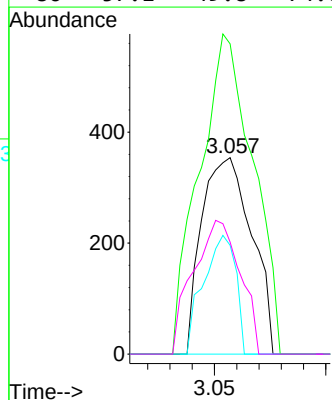
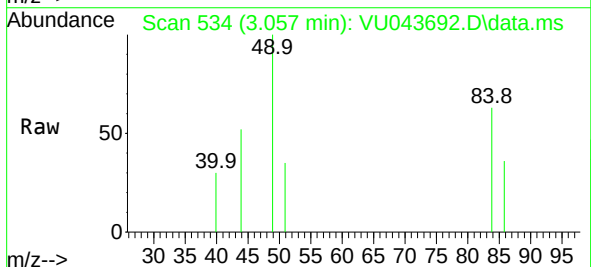
Instrument :
MSVOA_U
ClientSampled :

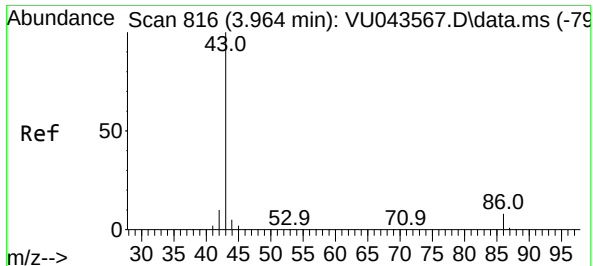
Tgt Ion: 43 Resp: 3857
Ion Ratio Lower Upper
43 100
74 16.9 15.3 22.9



#20
Methylene Chloride
Concen: 0.28 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.006 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

Tgt Ion: 84 Resp: 552
Ion Ratio Lower Upper
84 100
49 157.9 119.0 178.4
51 55.4 36.8 55.2#
86 57.1 49.8 74.6

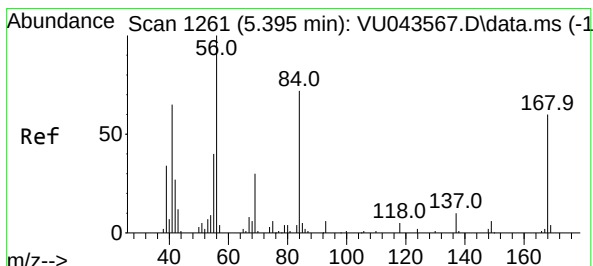
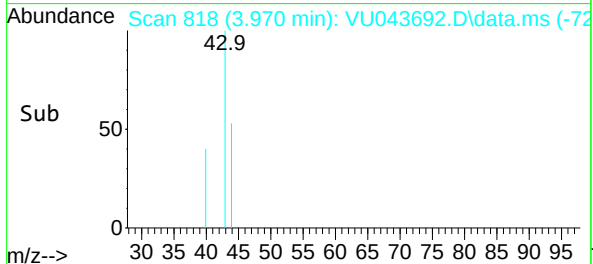
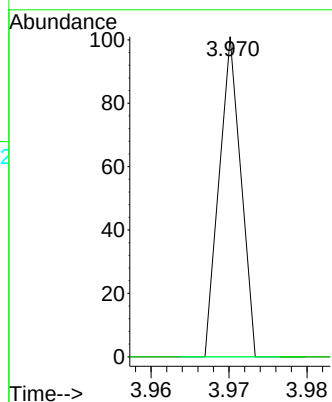
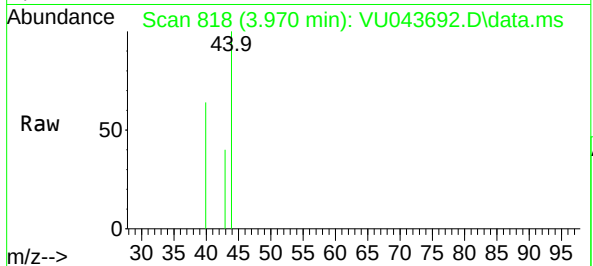




#23
 Vinyl Acetate
 Concen: 9.95 ug/l
 RT: 3.970 min Scan# 818
 Delta R.T. 0.006 min
 Lab File: VU043692.D
 Acq: 12 May 2021 20:52

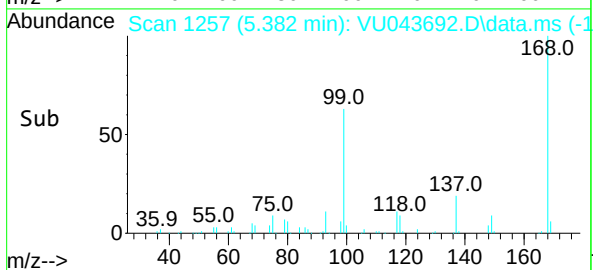
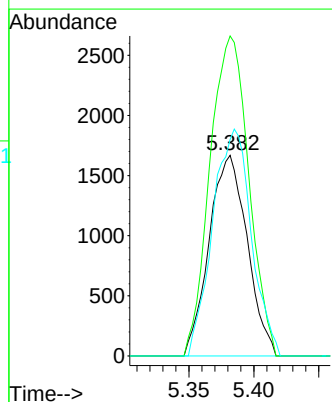
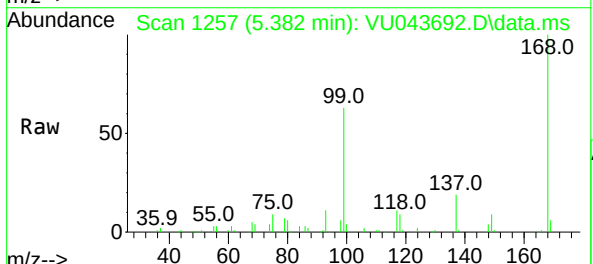
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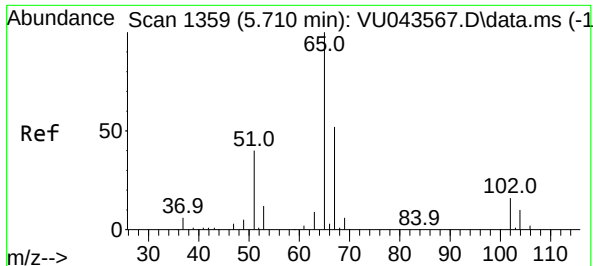
Tgt Ion: 43 Resp: 19
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.2 9.2#



#31
 Cyclohexane
 Concen: 1.13 ug/l
 RT: 5.382 min Scan# 1257
 Delta R.T. -0.013 min
 Lab File: VU043692.D
 Acq: 12 May 2021 20:52

Tgt Ion: 56 Resp: 3397
 Ion Ratio Lower Upper
 56 100
 69 159.4 23.9 35.9#
 84 107.8 57.7 86.5#





#33

1,2-Dichloroethane-d4

Concen: 50.08 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043692.D

Acq: 12 May 2021 20:52

Tgt Ion: 65 Resp: 128719

Ion Ratio Lower Upper

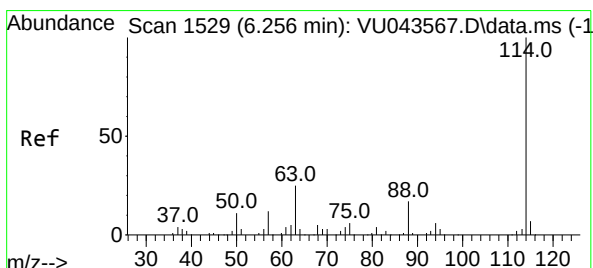
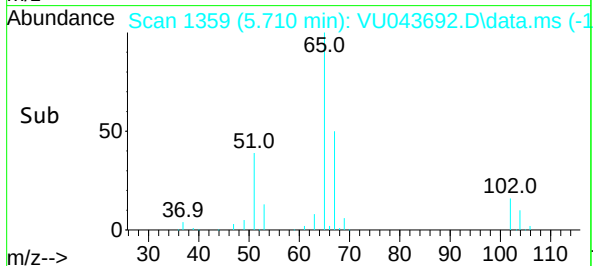
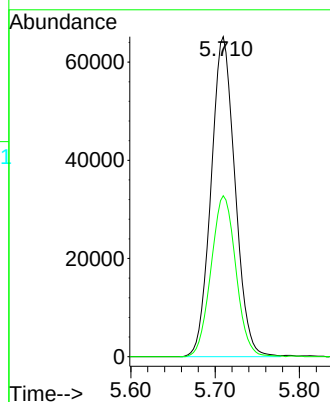
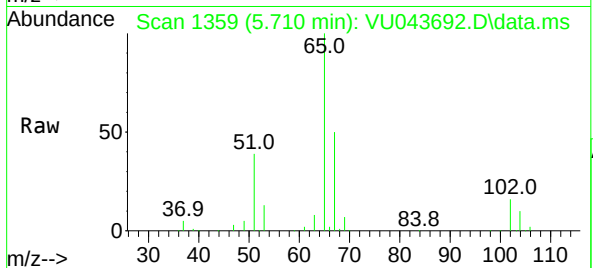
65 100

67 52.1 0.0 104.6

Instrument :

MSVOA_U

ClientSampleId :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043692.D

Acq: 12 May 2021 20:52

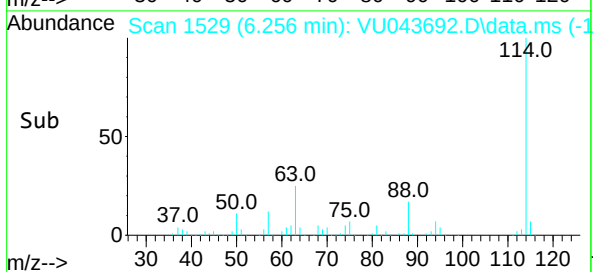
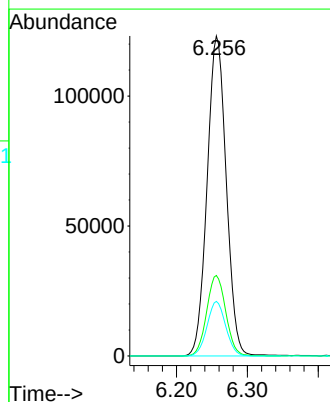
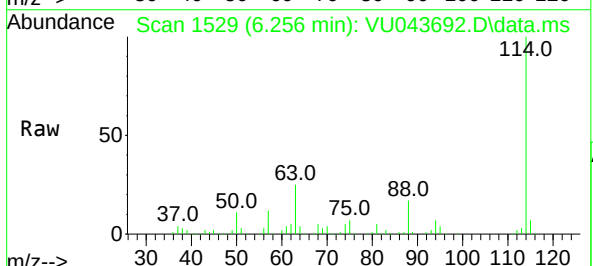
Tgt Ion: 114 Resp: 230509

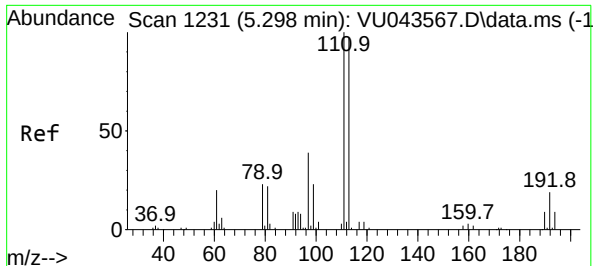
Ion Ratio Lower Upper

114 100

63 25.2 0.0 50.2

88 17.1 0.0 33.8

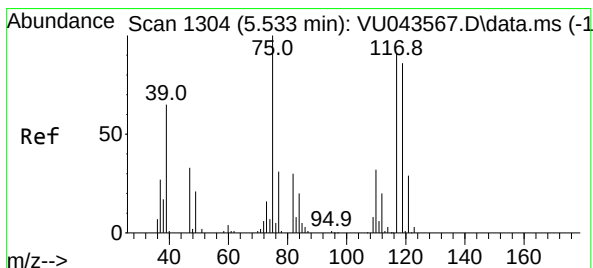
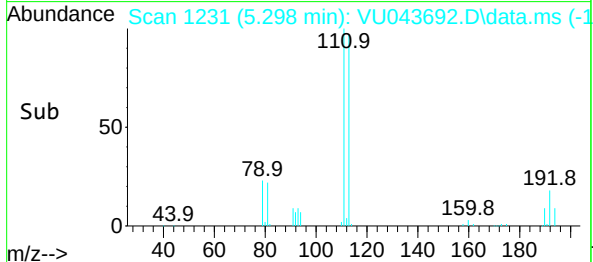
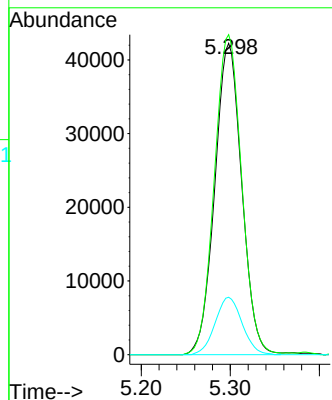
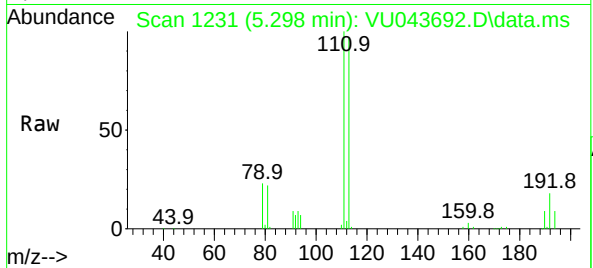




#35
Dibromofluoromethane
Concen: 46.69 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

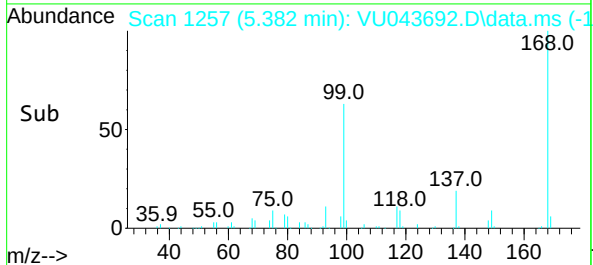
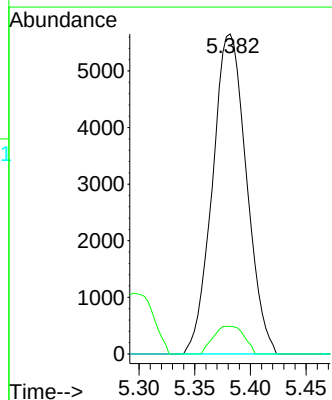
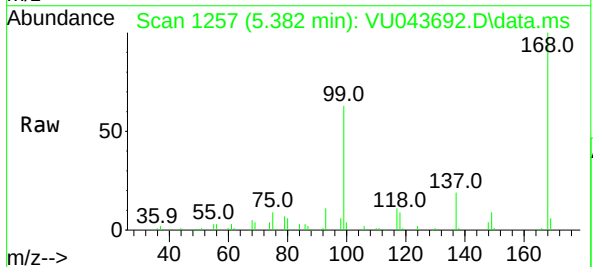
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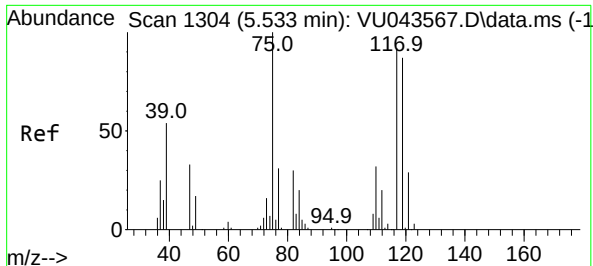
Tgt Ion:113 Resp: 88820
Ion Ratio Lower Upper
113 100
111 104.0 82.3 123.5
192 18.5 15.8 23.6



#36
1,1-Dichloropropene
Concen: 4.59 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

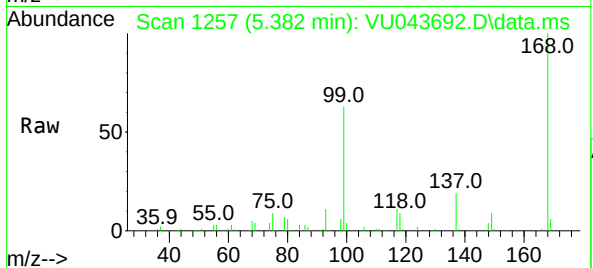
Tgt Ion: 75 Resp: 11999
Ion Ratio Lower Upper
75 100
110 7.8 16.2 48.5#
77 0.0 24.4 36.6#



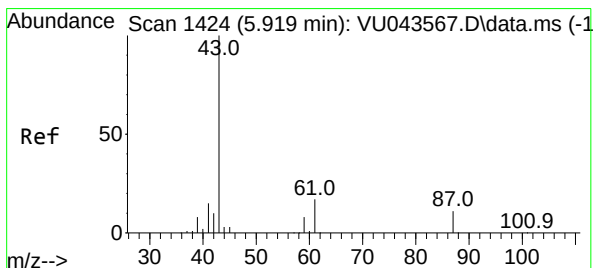
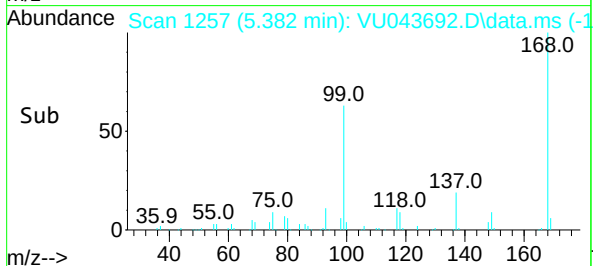
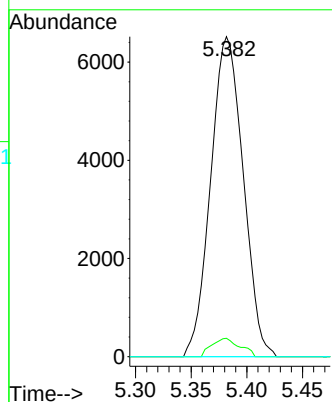


#38
Carbon Tetrachloride
Concen: 4.99 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

Instrument :
MSVOA_U
ClientSampleId :

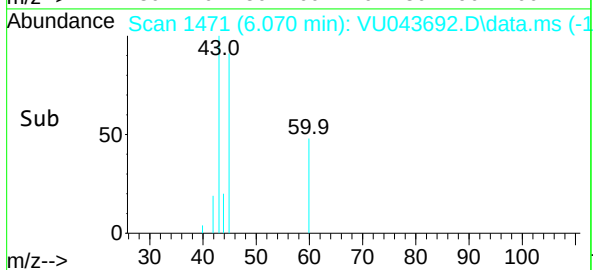
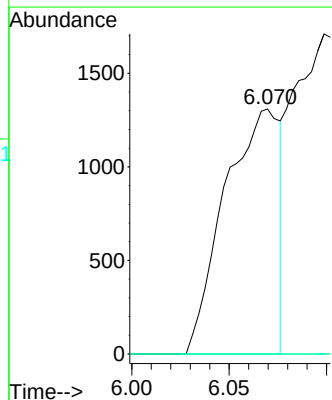
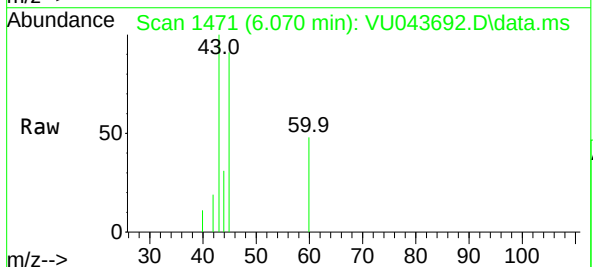


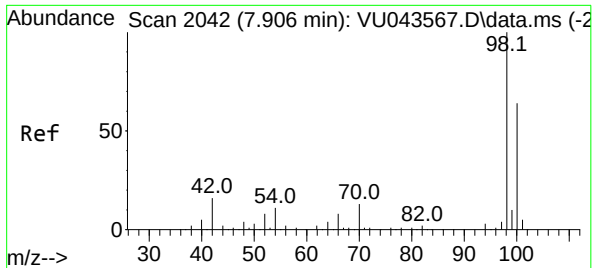
Tgt Ion:117 Resp: 13242
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.0#
121 0.0 25.2 37.8#



#43
Isopropyl Acetate
Concen: 0.39 ug/l
RT: 6.070 min Scan# 1471
Delta R.T. 0.151 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

Tgt Ion: 43 Resp: 2563
Ion Ratio Lower Upper
43 100
61 0.0 13.4 20.2#
87 0.0 8.0 12.0#

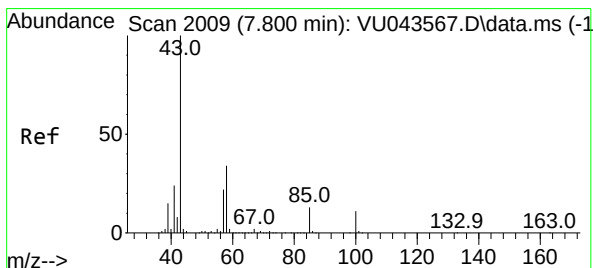
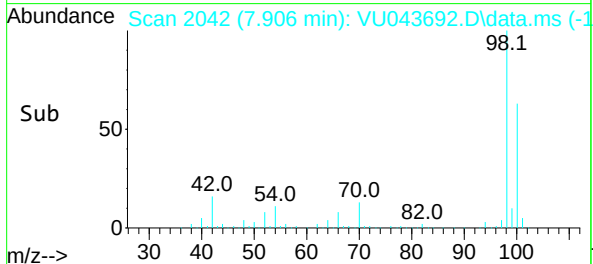
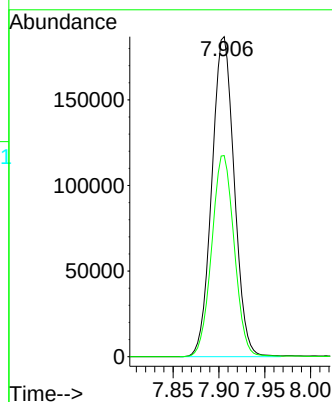
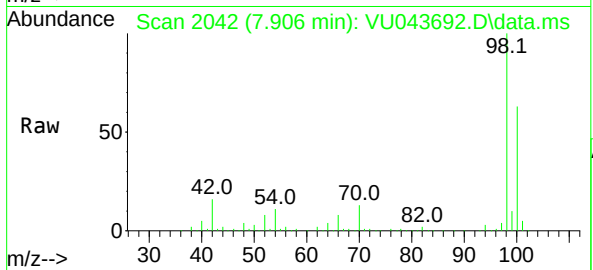




#50
Toluene-d8
Concen: 49.55 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

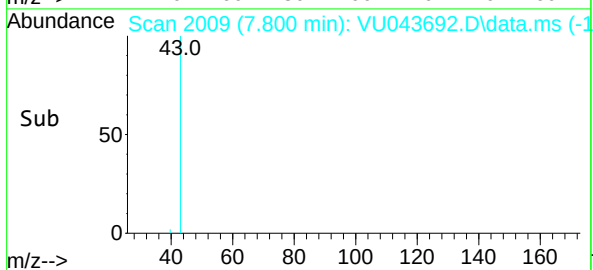
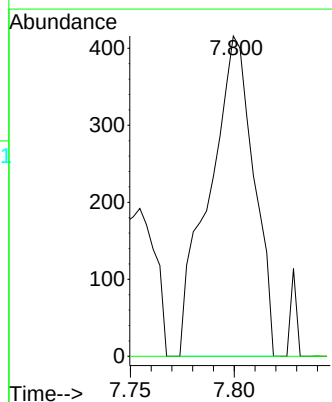
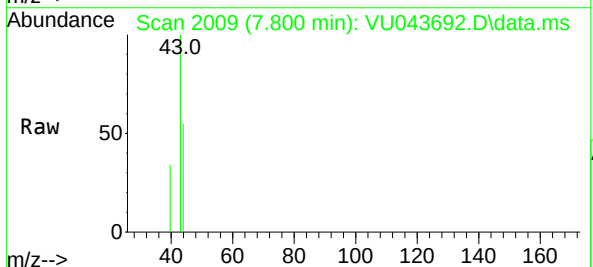
Instrument :
MSVOA_U
ClientSampleId :

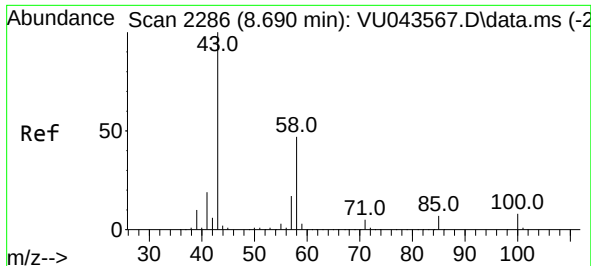
Tgt Ion: 98 Resp: 317210
Ion Ratio Lower Upper
98 100
100 63.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 19.29 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

Tgt Ion: 43 Resp: 617
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#

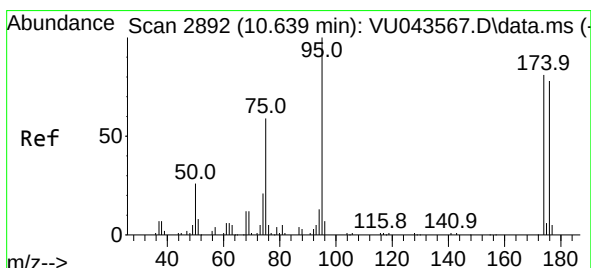
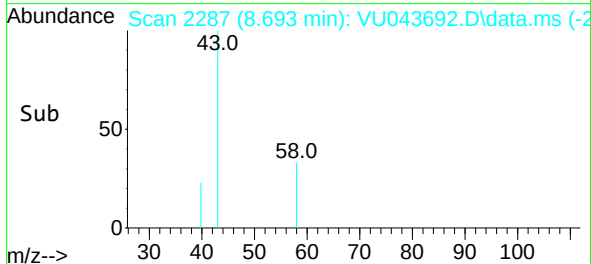
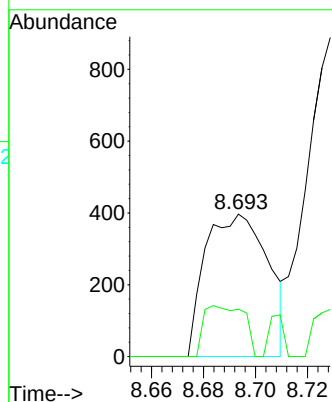
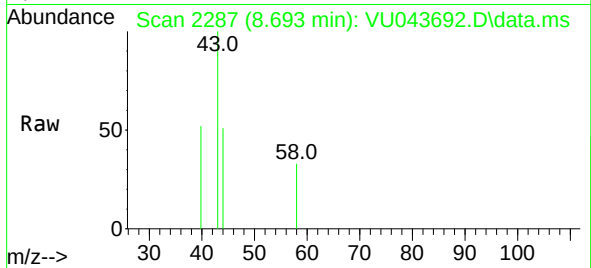




#59
2-Hexanone
Concen: 20.85 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. 0.003 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

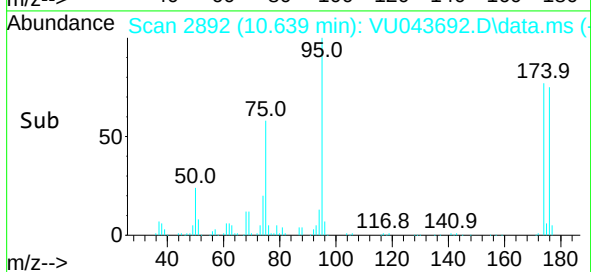
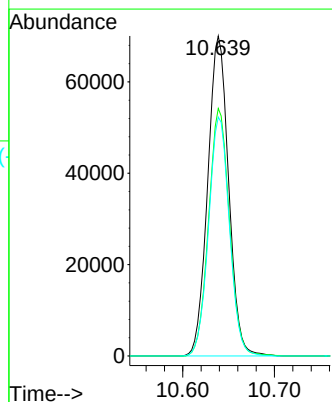
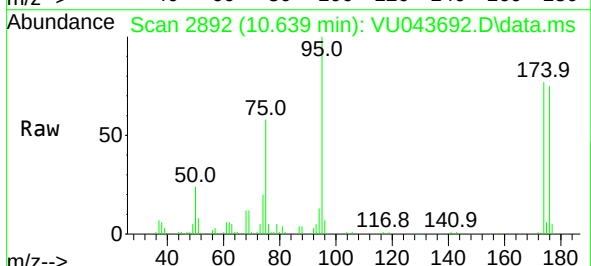
Instrument :
MSVOA_U
ClientSampled :

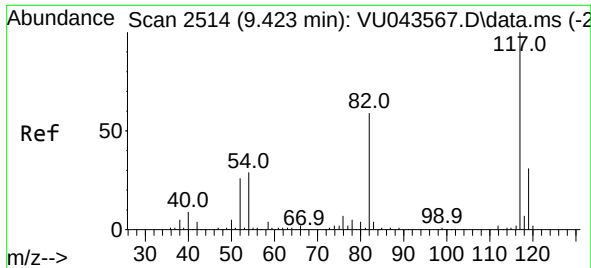
Tgt Ion: 43 Resp: 662
Ion Ratio Lower Upper
43 100
58 23.0 23.4 70.2#



#62
4-Bromofluorobenzene
Concen: 44.40 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

Tgt Ion: 95 Resp: 110759
Ion Ratio Lower Upper
95 100
174 77.3 0.0 158.8
176 74.4 0.0 155.6

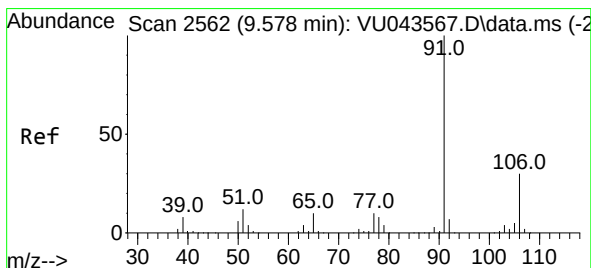
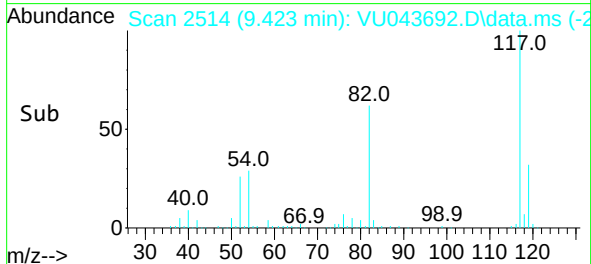
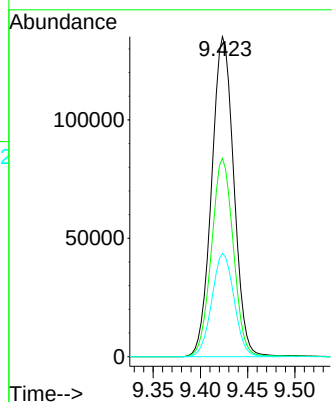
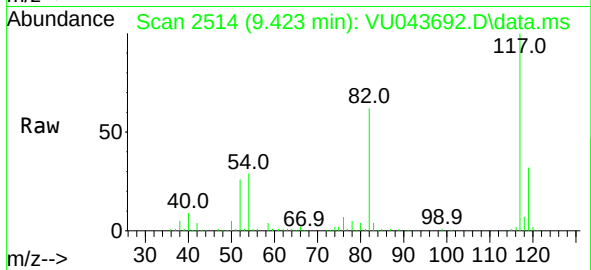




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

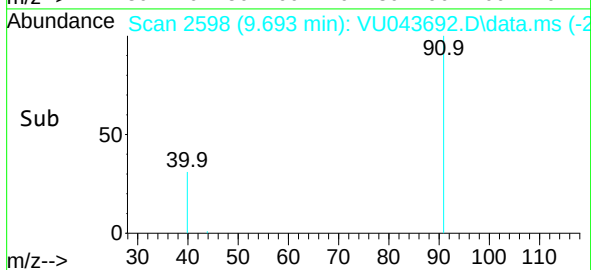
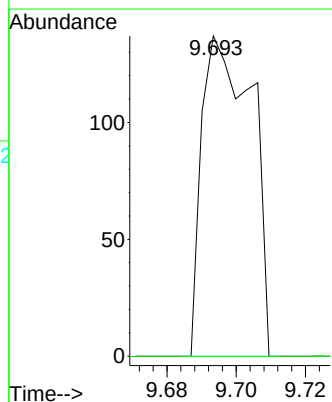
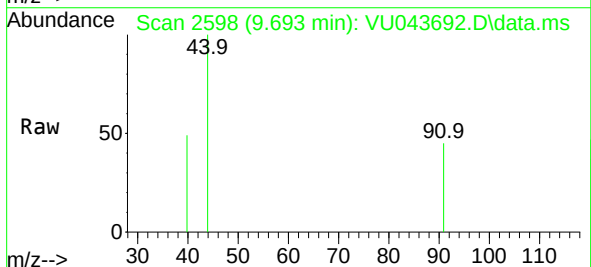
Instrument :
MSVOA_U
ClientSampled :

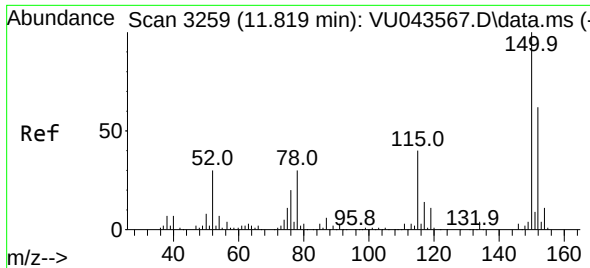
Tgt Ion:117 Resp: 220893
Ion Ratio Lower Upper
117 100
82 62.0 47.5 71.3
119 32.3 24.7 37.1



#67
Ethyl Benzene
Concen: 1.46 ug/l
RT: 9.693 min Scan# 2598
Delta R.T. 0.115 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

Tgt Ion: 91 Resp: 137
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#

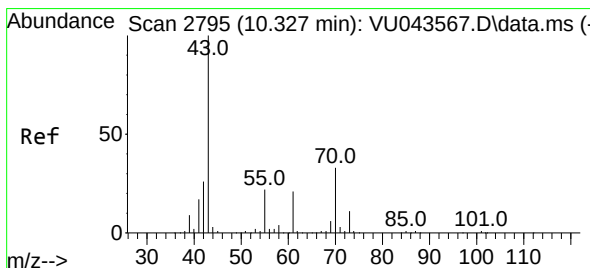
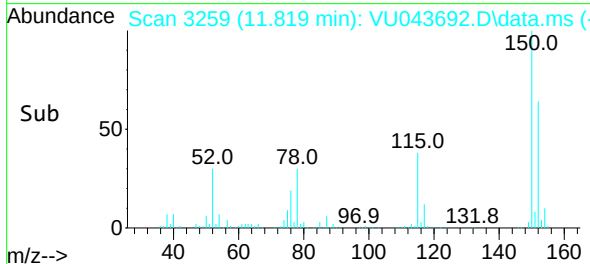
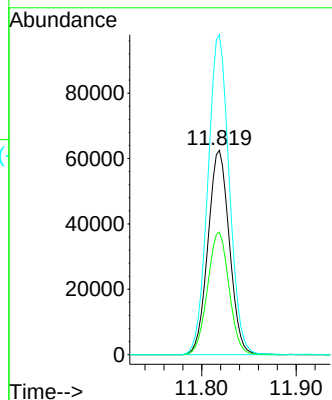
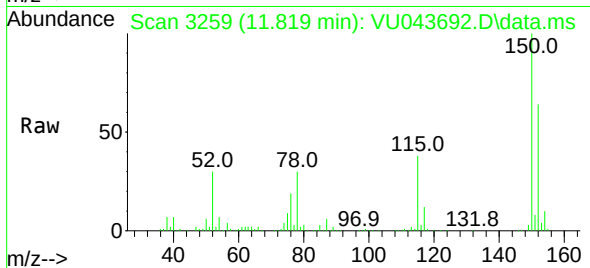




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

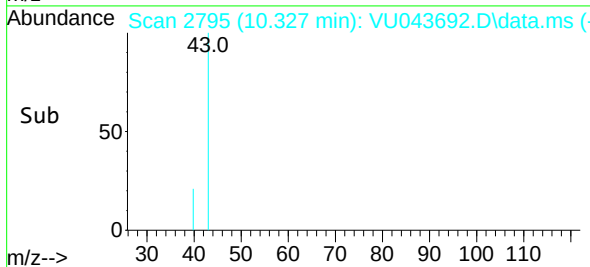
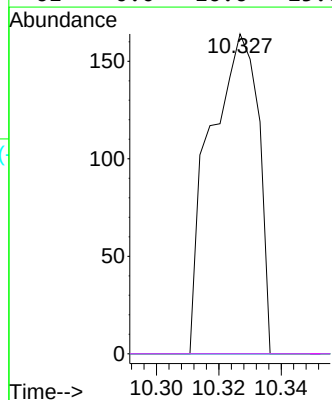
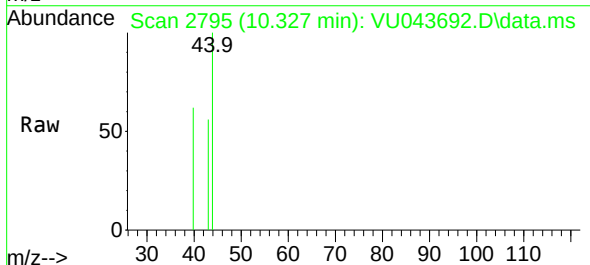
Instrument :
MSVOA_U
ClientSampleId :

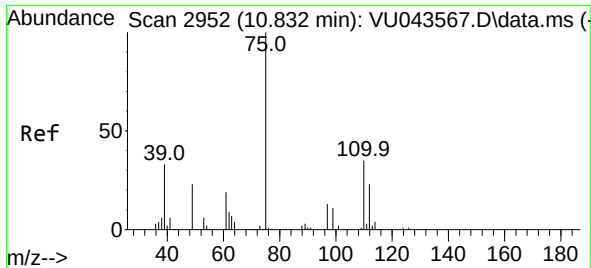
Tgt Ion:152 Resp: 98353
Ion Ratio Lower Upper
152 100
115 60.1 46.1 138.3
150 156.5 0.0 361.0



#74
N-ethyl acetate
Concen: 2.55 ug/l
RT: 10.327 min Scan# 2795
Delta R.T. -0.000 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

Tgt Ion: 43 Resp: 176
Ion Ratio Lower Upper
43 100
70 0.0 26.4 39.6#
55 0.0 18.0 27.0#
61 0.0 16.6 25.0#

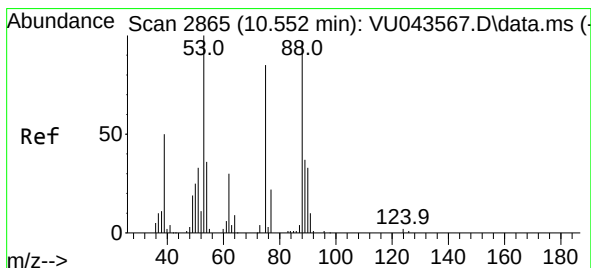
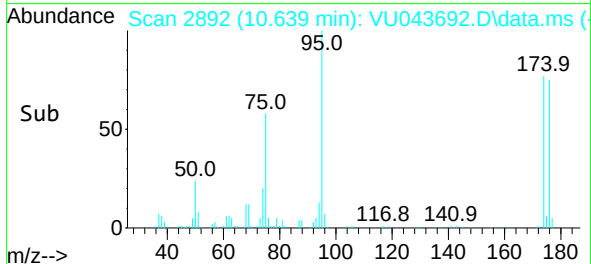
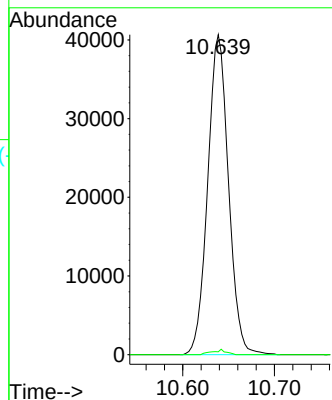
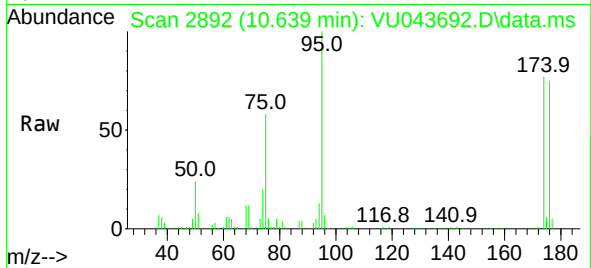




#76
1,2,3-Trichloropropane
Concen: 20.44 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

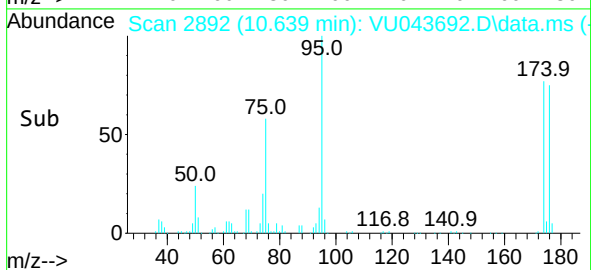
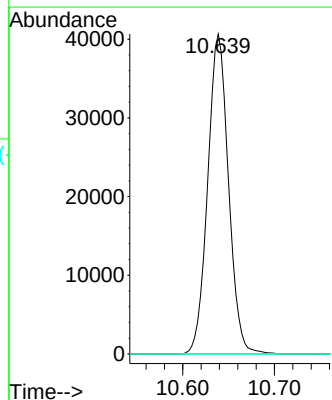
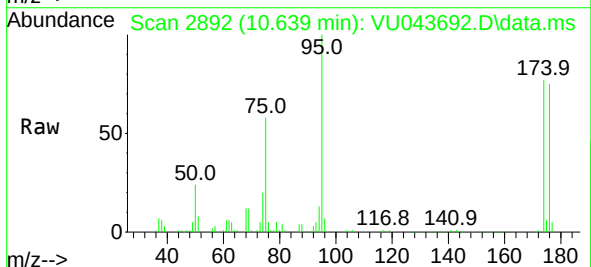
Instrument :
MSVOA_U
ClientSampleId :

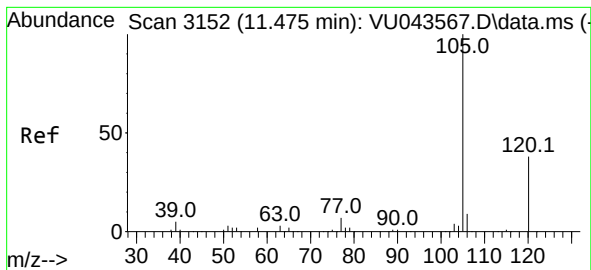
Tgt Ion: 75 Resp: 63908
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.55 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

Tgt Ion: 75 Resp: 63908
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#

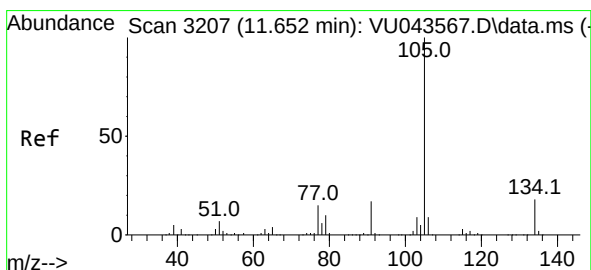
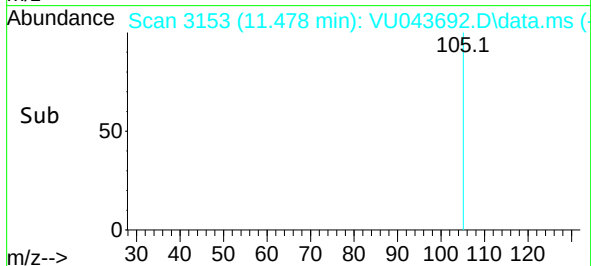
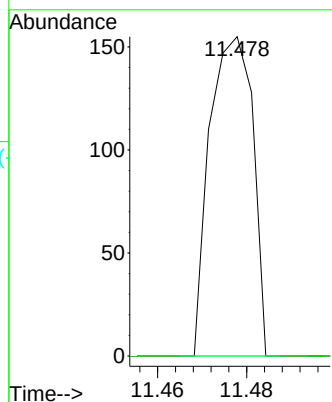
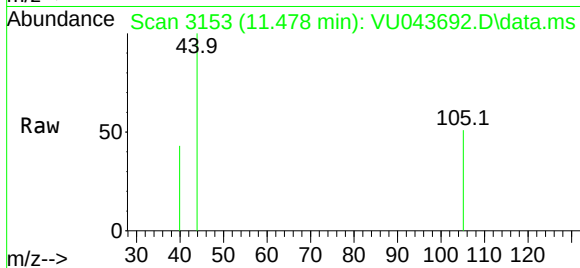




#84
1,2,4-Trimethylbenzene
Concen: 1.13 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

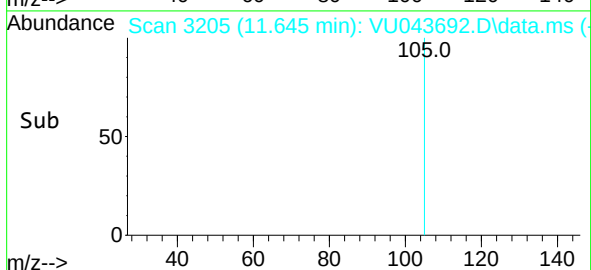
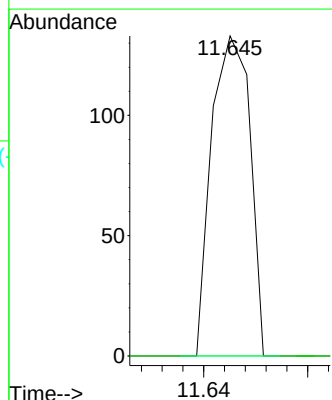
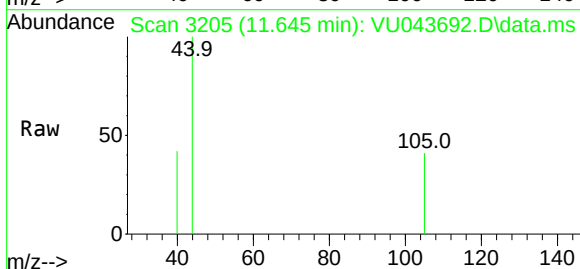
Instrument :
MSVOA_U
ClientSampled :

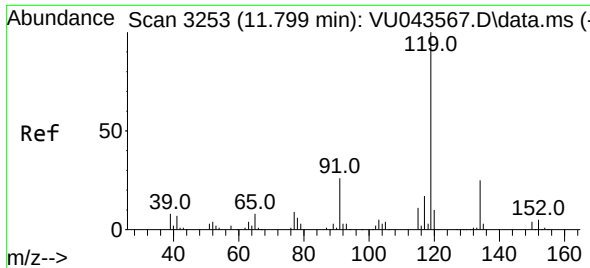
Tgt Ion:105 Resp: 104
Ion Ratio Lower Upper
105 100
120 0.0 21.4 64.2#



#85
sec-Butylbenzene
Concen: 1.34 ug/l
RT: 11.645 min Scan# 3205
Delta R.T. -0.007 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

Tgt Ion:105 Resp: 68
Ion Ratio Lower Upper
105 100
134 0.0 9.2 27.6#

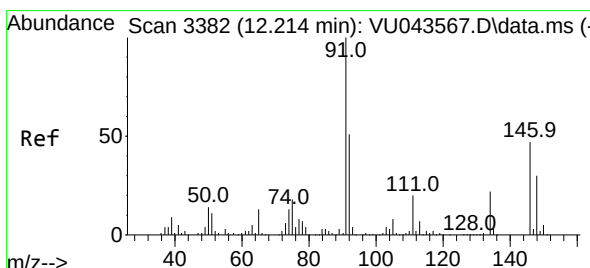
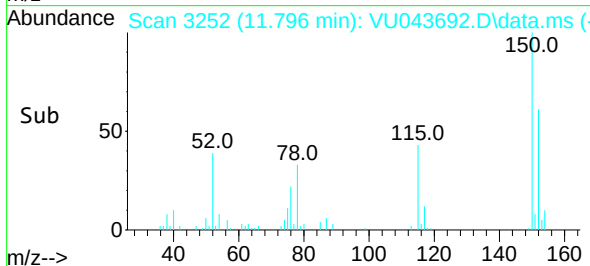
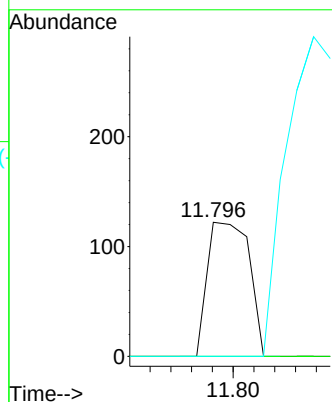
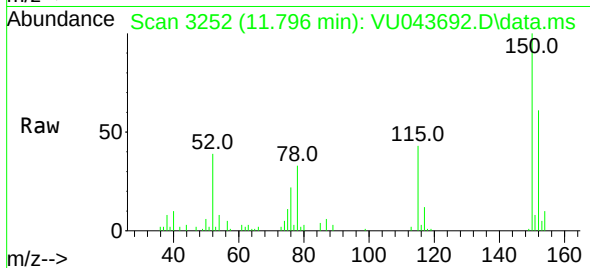




#86
p-Isopropyltoluene
Concen: 1.48 ug/l
RT: 11.796 min Scan# 3252
Delta R.T. -0.003 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

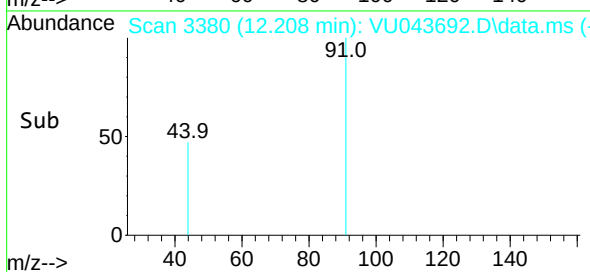
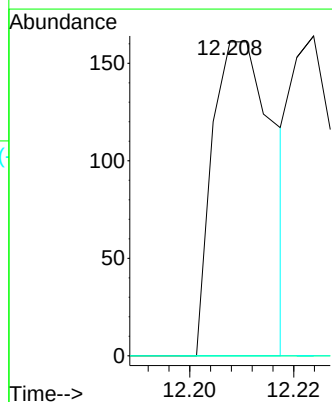
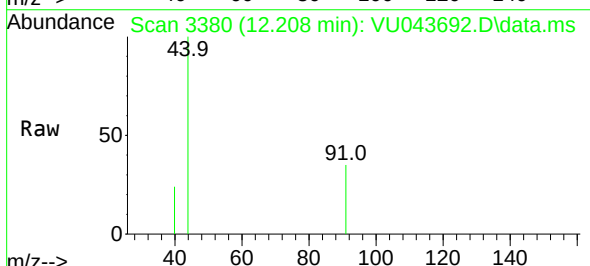
Instrument :
MSVOA_U
ClientSampleId :

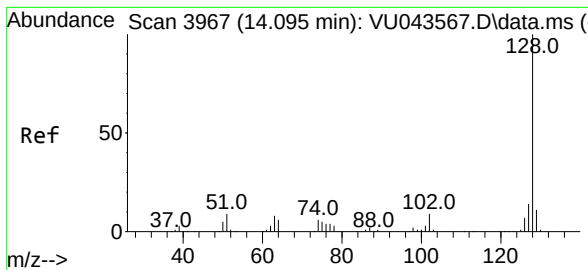
Tgt Ion:119 Resp: 68
Ion Ratio Lower Upper
119 100
134 0.0 12.7 38.0#
91 438.2 13.3 39.9#



#89
n-Butylbenzene
Concen: 2.55 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. -0.006 min
Lab File: VU043692.D
Acq: 12 May 2021 20:52

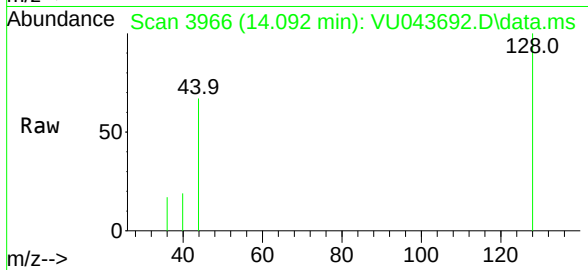
Tgt Ion: 91 Resp: 132
Ion Ratio Lower Upper
91 100
92 0.0 25.4 76.2#
134 0.0 11.3 33.9#





#95
 Naphthalene
 Concen: 1.66 ug/l
 RT: 14.092 min Scan# 3966
 Delta R.T. -0.003 min
 Lab File: VU043692.D
 Acq: 12 May 2021 20:52

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:128 Resp: 1138
 Ion Ratio Lower Upper
 128 100
 127 6.1 10.7 16.1#
 129 0.0 8.6 12.8#

