

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
 Data File : VU043053.D
 Acq On : 13 Apr 2021 15:50
 Operator : SY/MD
 Sample : M1983-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 03:51:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

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

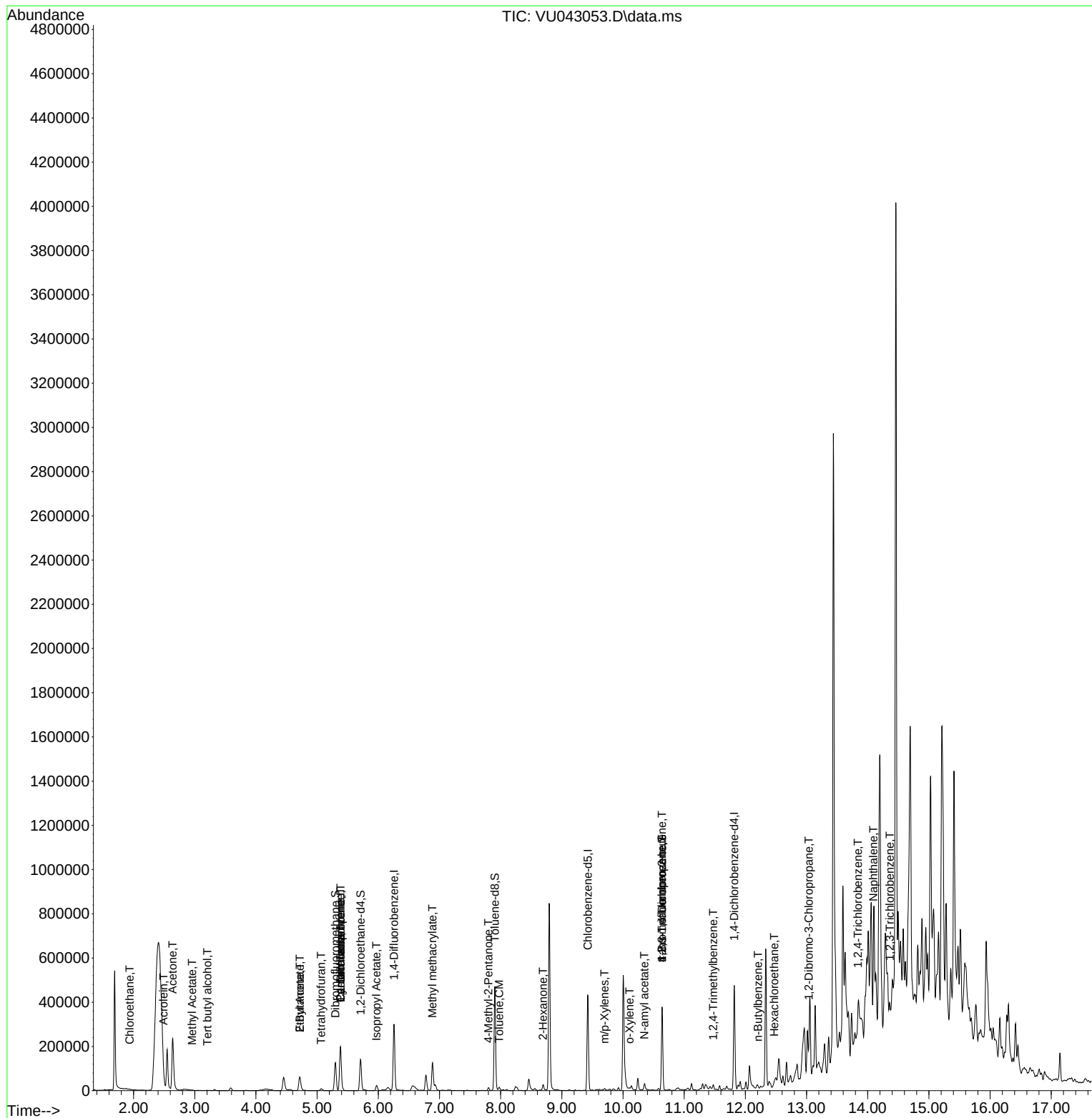
Internal Standards						
1) Pentafluorobenzene	5.382	168	134454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	224257	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	215189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	112002	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	110277	48.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.58%	
35) Dibromofluoromethane	5.298	113	77193	45.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.62%	
50) Toluene-d8	7.906	98	281160	47.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.30%	
62) 4-Bromofluorobenzene	10.639	95	109649	45.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.84%	
Target Compounds						Qvalue
3) Chloromethane	1.523	50	900	Below Cal	#	86
6) Chloroethane	1.935	64	575	0.51 ug/l	#	87
11) Tert butyl alcohol	3.205	59	1384	2.38 ug/l	#	94
13) Acrolein	2.491	56	1975	15.63 ug/l		98
16) Acetone	2.639	43	319527	240.20 ug/l		100
18) Methyl Acetate	2.957	43	3377	1.20 ug/l	#	88
25) 2-Butanone	4.716	43	98592	48.02 ug/l		100
29) Tetrahydrofuran	5.067	42	6324	4.89 ug/l	#	80
31) Cyclohexane	5.382	56	3737	1.34 ug/l	#	53
36) 1,1-Dichloropropene	5.382	75	10813	4.55 ug/l	#	47
37) Ethyl Acetate	4.716	43	98592	24.23 ug/l	#	71
38) Carbon Tetrachloride	5.382	117	14057	5.51 ug/l	#	16
43) Isopropyl Acetate	5.970	43	7825	1.35 ug/l	#	64
48) Methyl methacrylate	6.886	41	37094	12.74 ug/l	#	51
51) 4-Methyl-2-Pentanone	7.800	43	10423	2.43 ug/l		93
52) Toluene	7.976	92	3929	0.93 ug/l		93
59) 2-Hexanone	8.693	43	16493	4.67 ug/l		95
68) m/p-Xylenes	9.697	106	1677	0.54 ug/l		98
69) o-Xylene	10.105	106	1126	0.37 ug/l		87
74) N-amyl acetate	10.349	43	5304	1.10 ug/l	#	14
76) 1,2,3-Trichloropropane	10.639	75	62641	19.14 ug/l	#	37
81) trans-1,4-Dichloro-2-b...	10.639	75	62641	56.24 ug/l	#	7
84) 1,2,4-Trimethylbenzene	11.475	105	7055	1.03 ug/l		77
89) n-Butylbenzene	12.208	91	3482	0.53 ug/l	#	58
90) Hexachloroethane	12.471	117	476	0.36 ug/l	#	6
92) 1,2-Dibromo-3-Chloropr...	13.037	75	317	0.34 ug/l	#	1
93) 1,2,4-Trichlorobenzene	13.838	180	102	1.54 ug/l	#	1
95) Naphthalene	14.092	128	91932	13.47 ug/l	#	92
96) 1,2,3-Trichlorobenzene	14.362	180	5350	3.55 ug/l	#	1

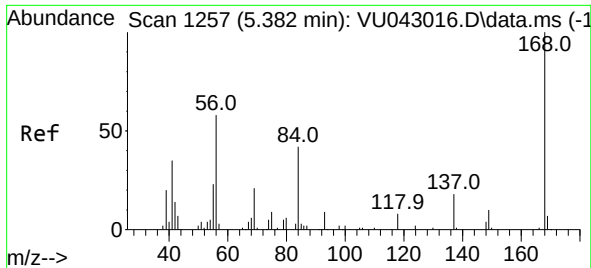
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
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Quant Time: Apr 14 03:51:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 2021
Response via : Initial Calibration

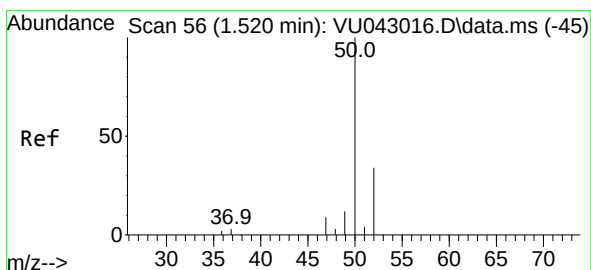
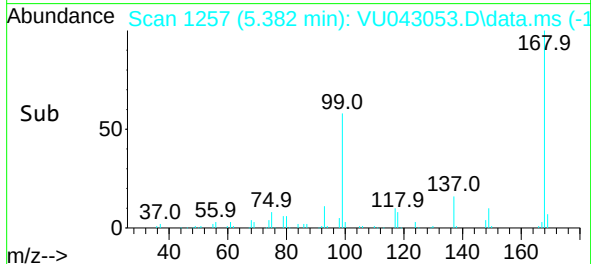
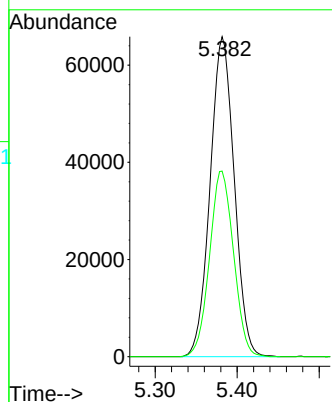
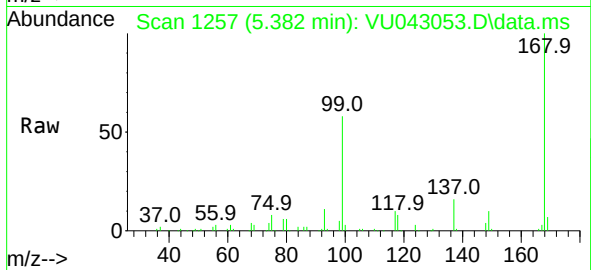




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

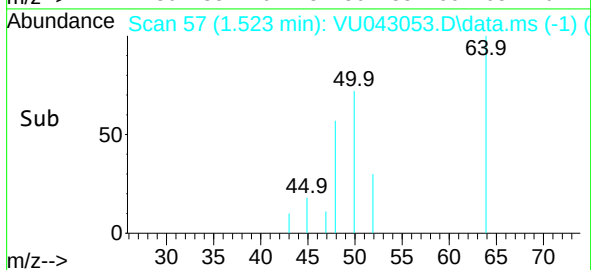
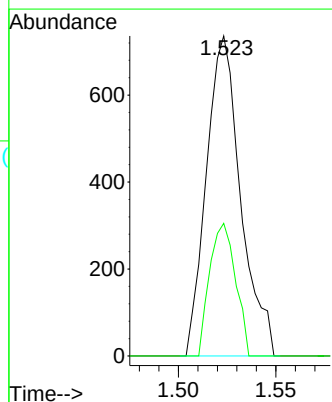
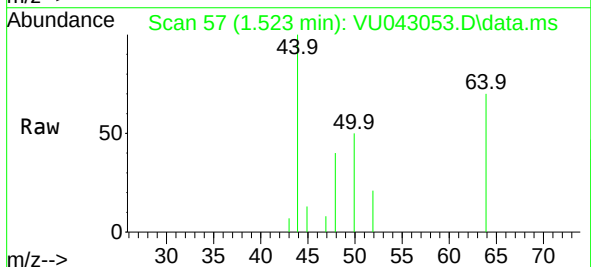
Instrument :
MSVOA_U
ClientSampleId :

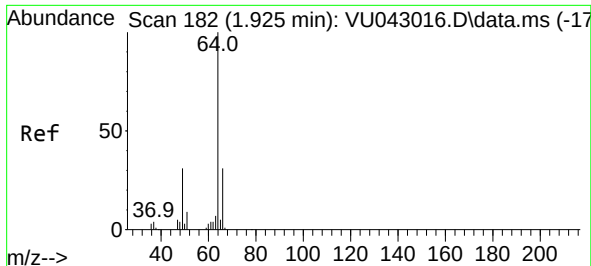
Tgt Ion:168 Resp: 134454
Ion Ratio Lower Upper
168 100
99 58.0 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

Tgt Ion: 50 Resp: 900
Ion Ratio Lower Upper
50 100
52 41.4 26.6 40.0#

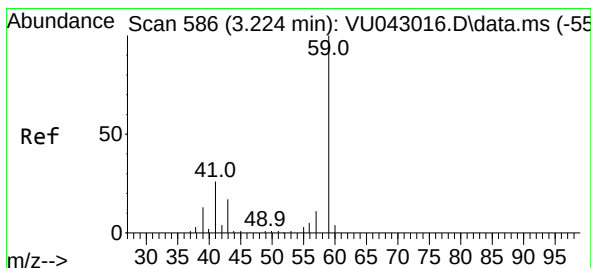
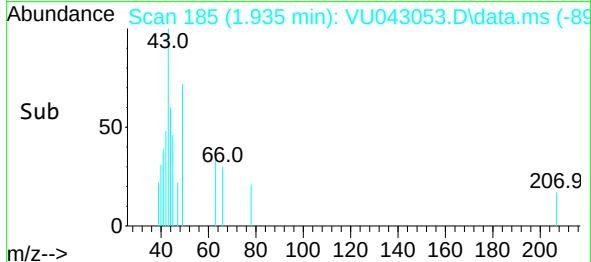
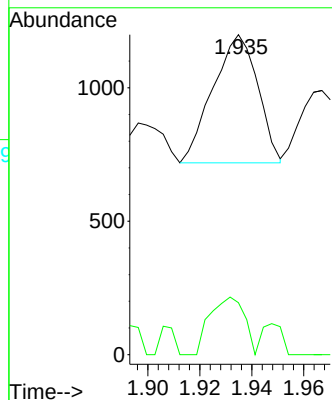
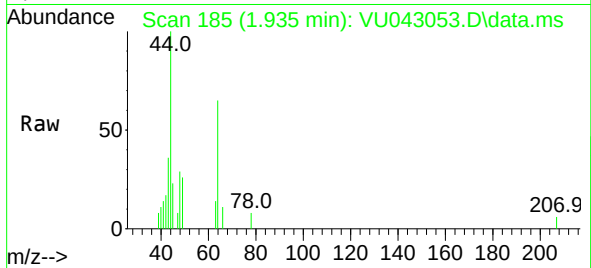




#6
Chloroethane
Concen: 0.51 ug/l
RT: 1.935 min Scan# 185
Delta R.T. 0.010 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

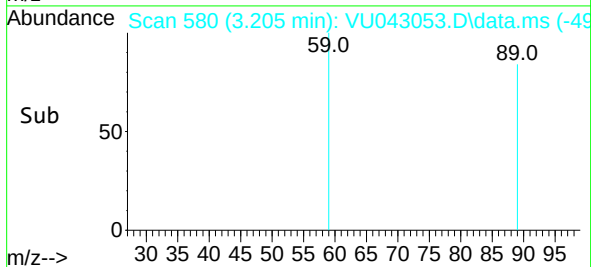
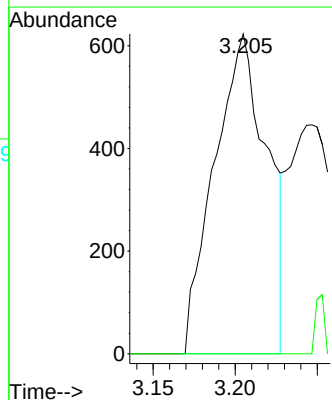
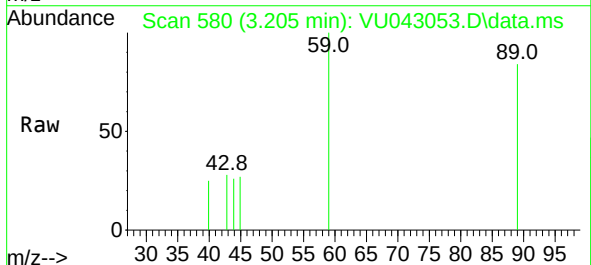
Instrument :
MSVOA_U
ClientSampled :

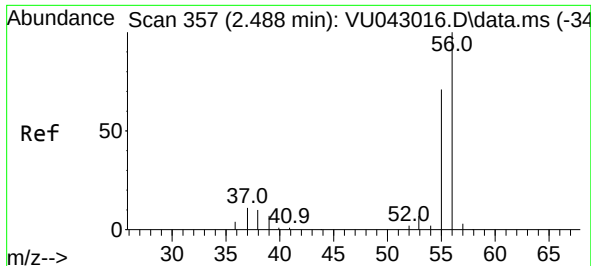
Tgt Ion: 64 Resp: 575
Ion Ratio Lower Upper
64 100
66 40.6 26.4 39.6#



#11
Tert butyl alcohol
Concen: 2.38 ug/l
RT: 3.205 min Scan# 580
Delta R.T. -0.019 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

Tgt Ion: 59 Resp: 1384
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#

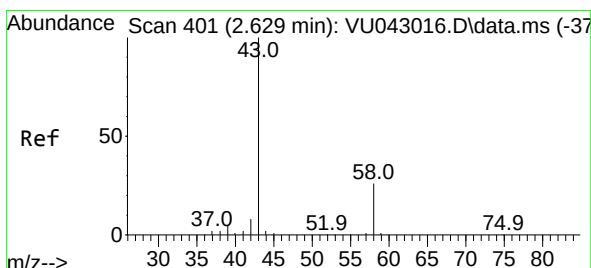
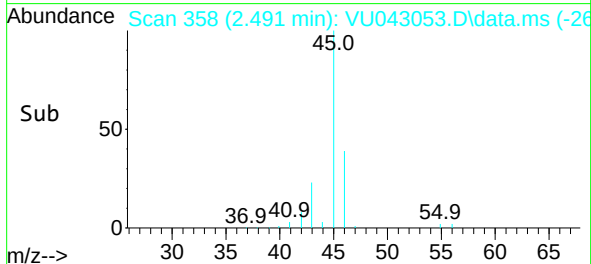
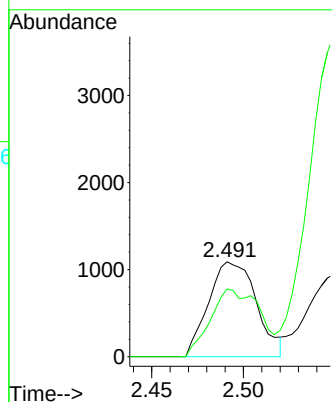
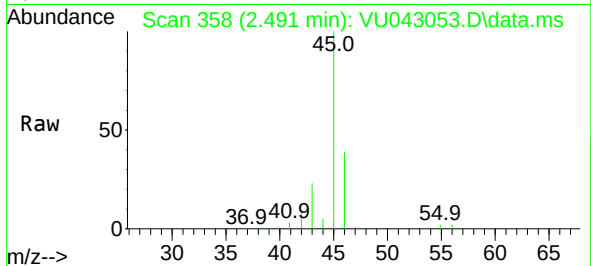




#13
Acrolein
Concen: 15.63 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.003 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

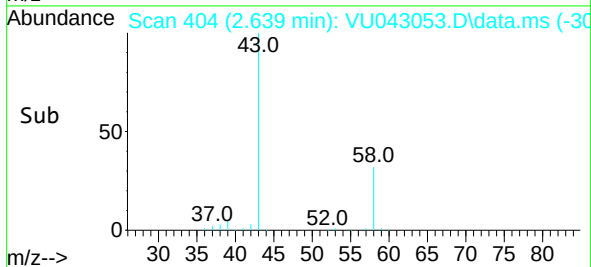
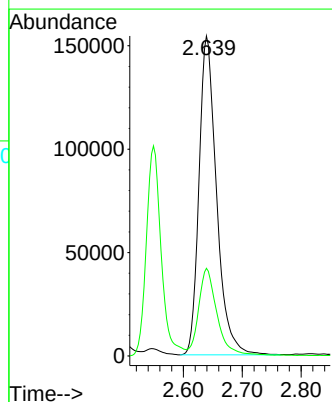
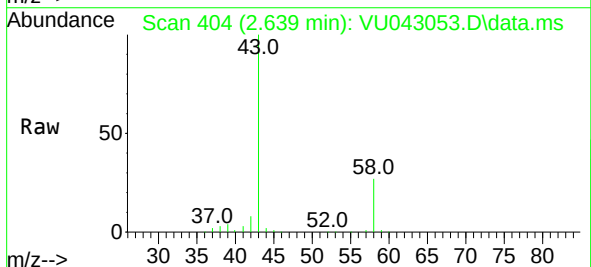
Instrument :
MSVOA_U
ClientSampleId :

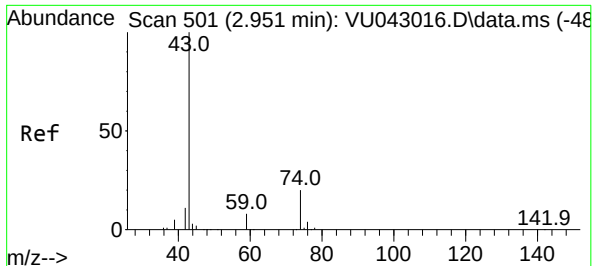
Tgt Ion: 56 Resp: 1975
Ion Ratio Lower Upper
56 100
55 73.1 57.3 85.9



#16
Acetone
Concen: 240.20 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.010 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

Tgt Ion: 43 Resp: 319527
Ion Ratio Lower Upper
43 100
58 27.2 21.5 32.3

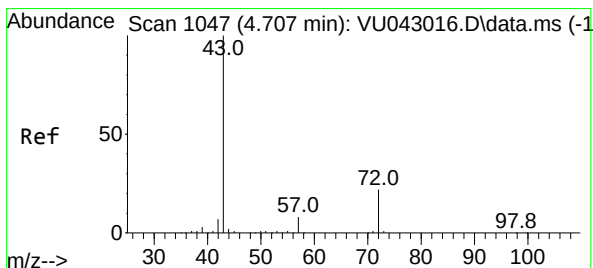
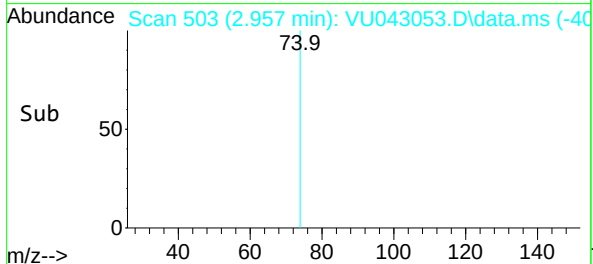
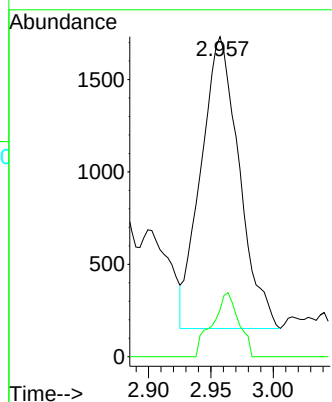
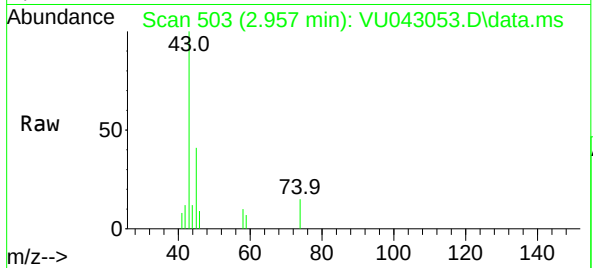




#18
Methyl Acetate
Concen: 1.20 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.006 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

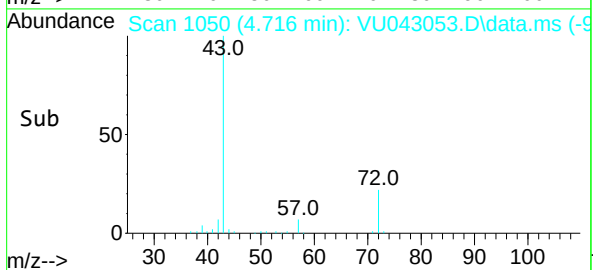
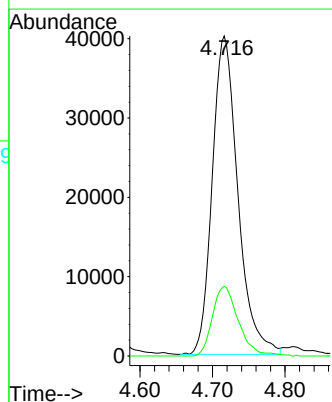
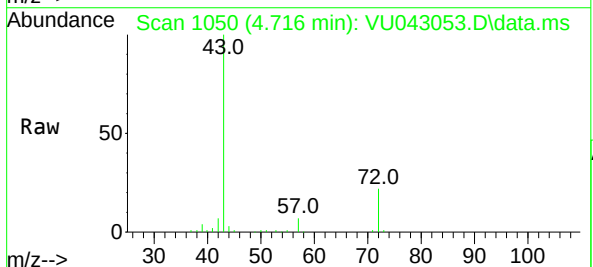
Instrument :
MSVOA_U
ClientSampleId :

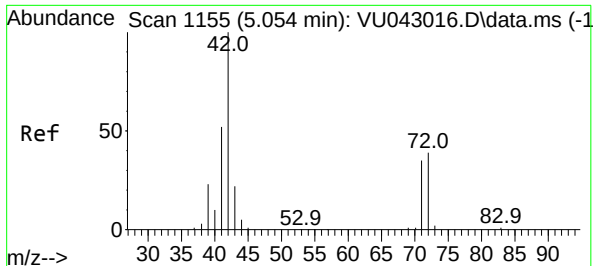
Tgt Ion: 43 Resp: 3377
Ion Ratio Lower Upper
43 100
74 15.1 16.6 25.0#



#25
2-Butanone
Concen: 48.02 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.009 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

Tgt Ion: 43 Resp: 98592
Ion Ratio Lower Upper
43 100
72 21.9 17.4 26.0





#29

Tetrahydrofuran

Concen: 4.89 ug/l

RT: 5.067 min Scan# 1159

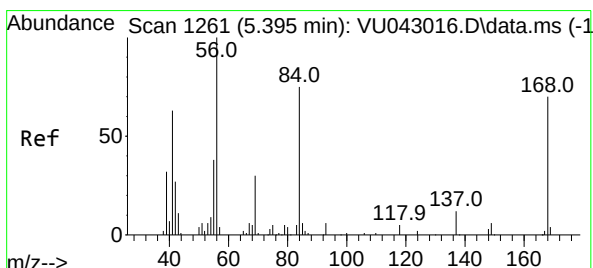
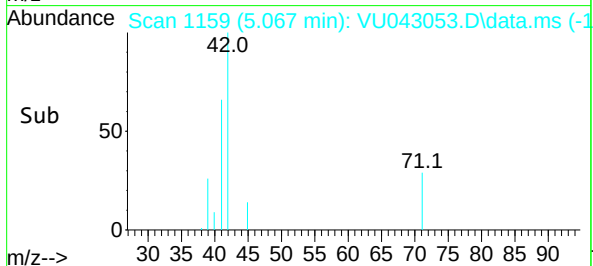
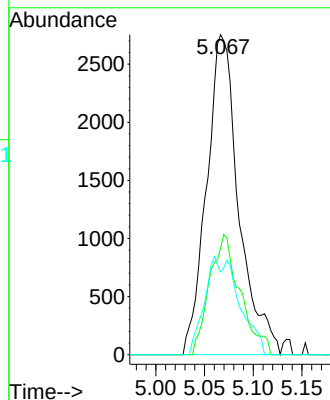
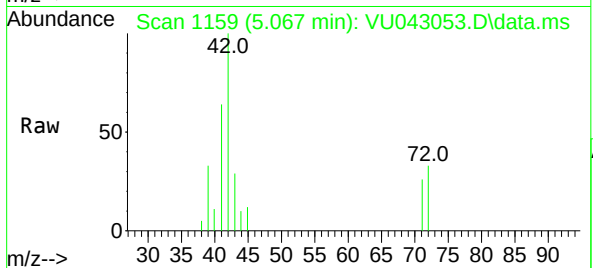
Delta R.T. 0.013 min

Lab File: VU043053.D

Acq: 13 Apr 2021 15:50

Tgt Ion:	42	Resp:	6324
Ion	Ratio	Lower	Upper
42	100		
72	35.7	31.5	47.3
71	15.7	29.5	44.3#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.34 ug/l

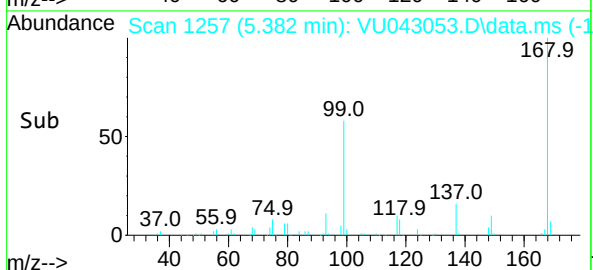
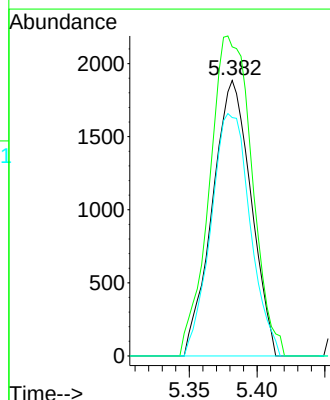
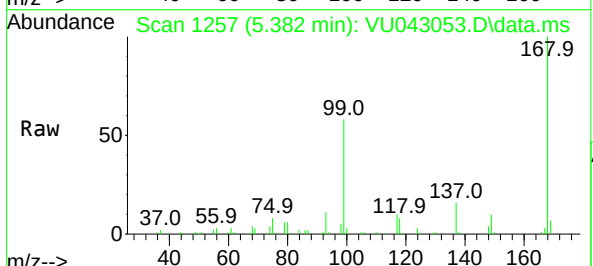
RT: 5.382 min Scan# 1257

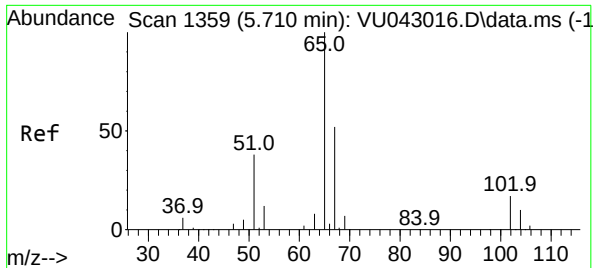
Delta R.T. -0.013 min

Lab File: VU043053.D

Acq: 13 Apr 2021 15:50

Tgt Ion:	56	Resp:	3737
Ion	Ratio	Lower	Upper
56	100		
69	112.2	24.9	37.3#
84	86.5	63.7	95.5

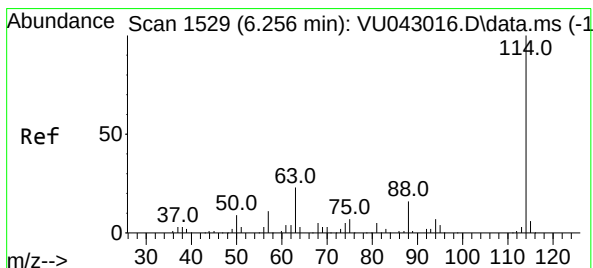
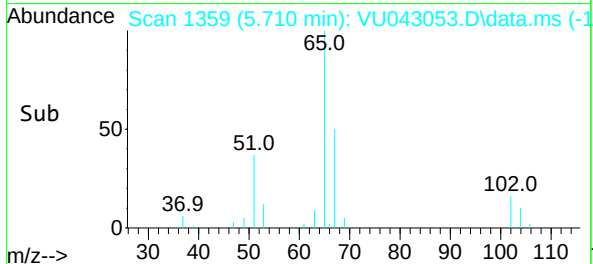
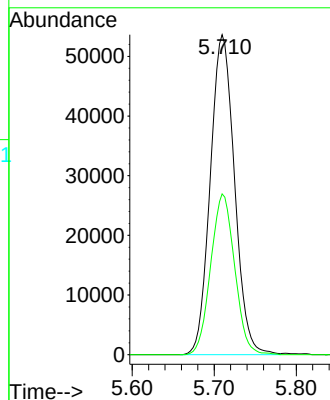
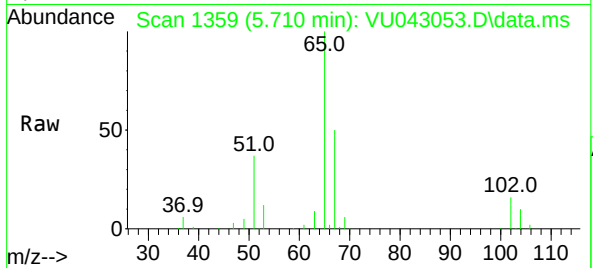




#33
1,2-Dichloroethane-d4
Concen: 48.79 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

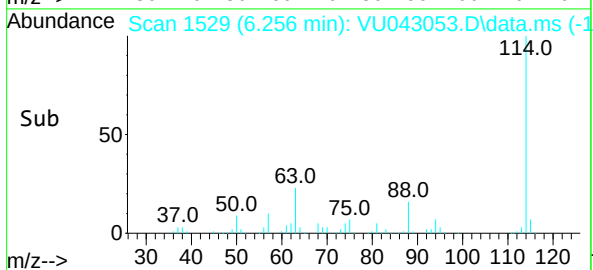
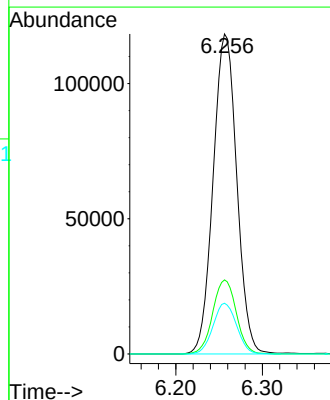
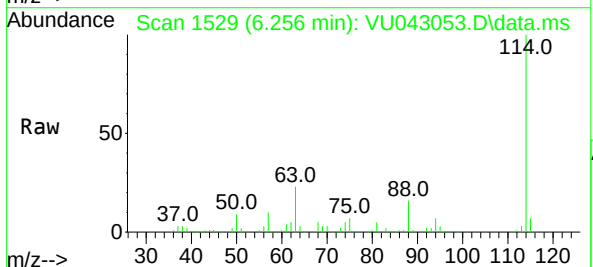
Instrument :
MSVOA_U
ClientSampled :

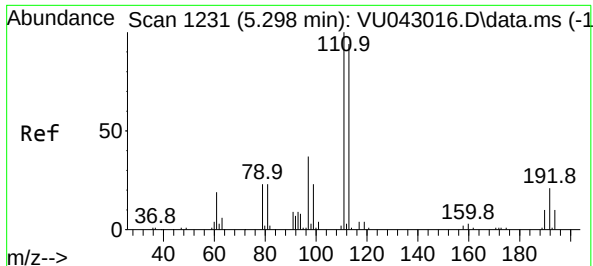
Tgt Ion: 65 Resp: 110277
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

Tgt Ion: 114 Resp: 224257
Ion Ratio Lower Upper
114 100
63 23.2 0.0 44.2
88 15.8 0.0 33.4

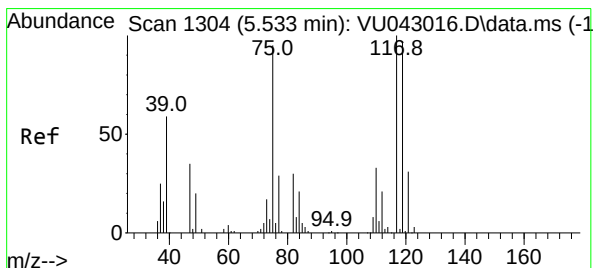
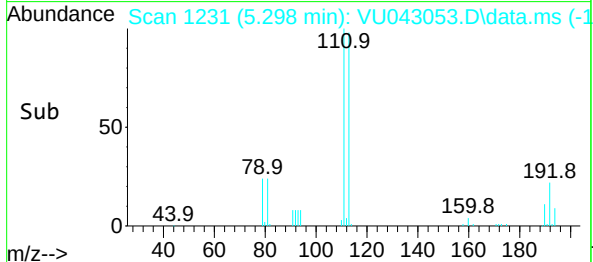
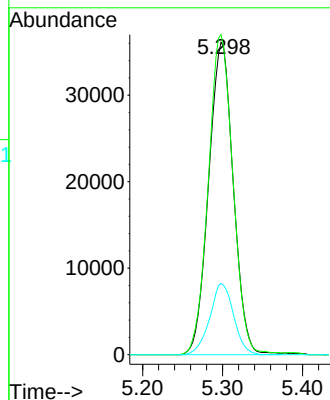
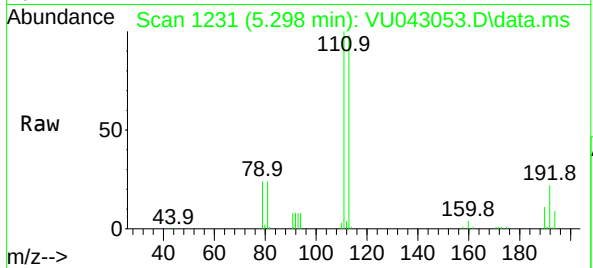




#35
Dibromofluoromethane
Concen: 45.81 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

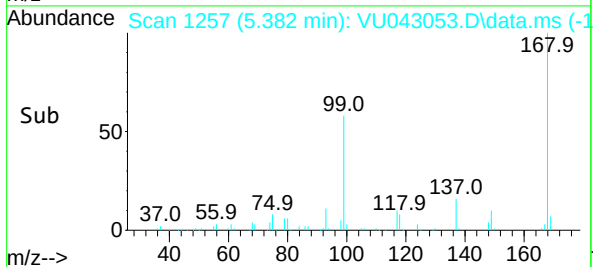
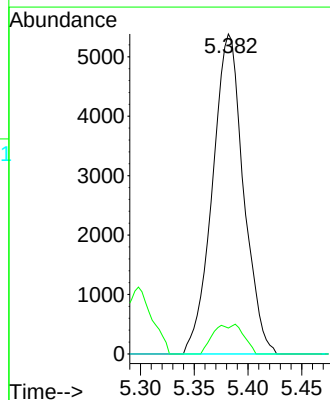
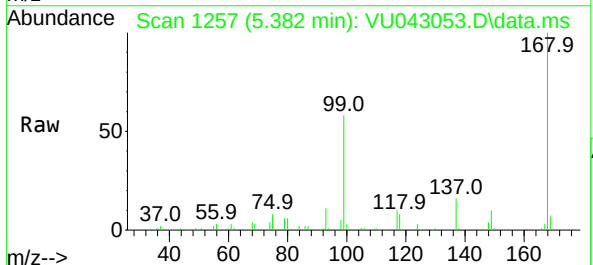
Instrument :
MSVOA_U
ClientSampled :

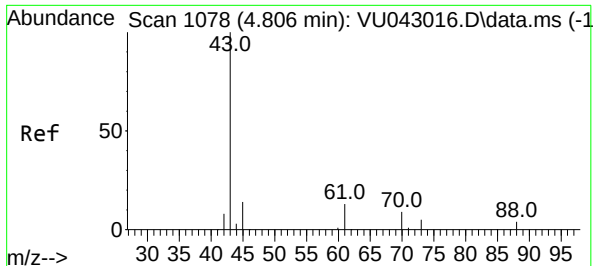
Tgt Ion:113 Resp: 77193
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 22.1 17.2 25.8



#36
1,1-Dichloropropene
Concen: 4.55 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

Tgt Ion: 75 Resp: 10813
Ion Ratio Lower Upper
75 100
110 4.9 16.8 50.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 24.23 ug/l

RT: 4.716 min Scan# 1050

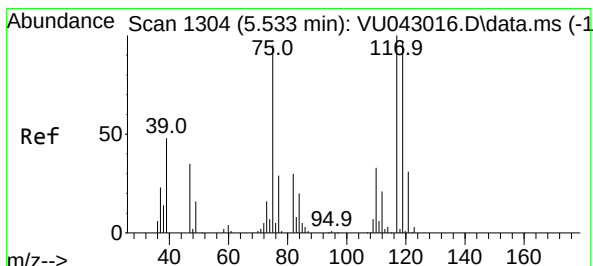
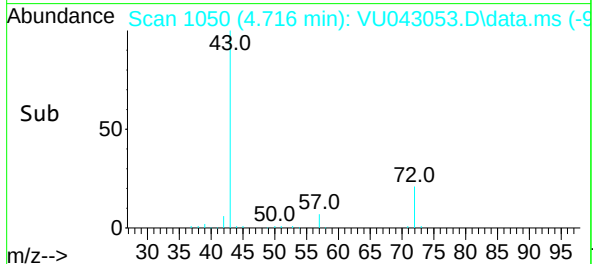
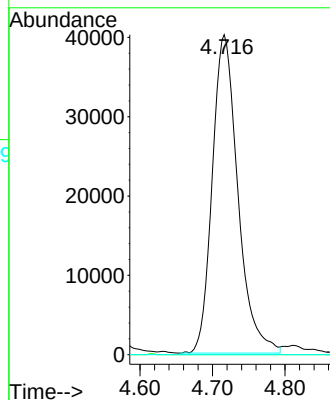
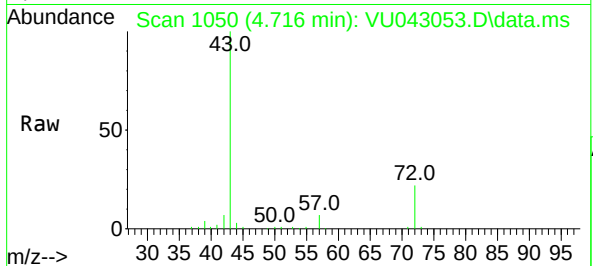
Delta R.T. -0.090 min

Lab File: VU043053.D

Acq: 13 Apr 2021 15:50

Tgt Ion:	43	Resp:	98592
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.2	10.8#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.51 ug/l

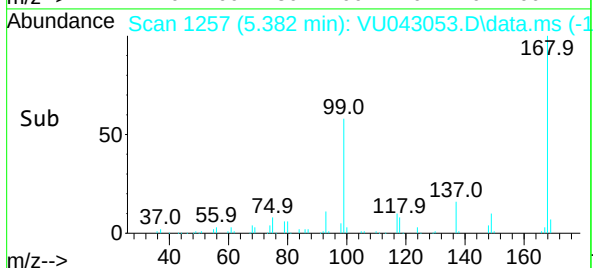
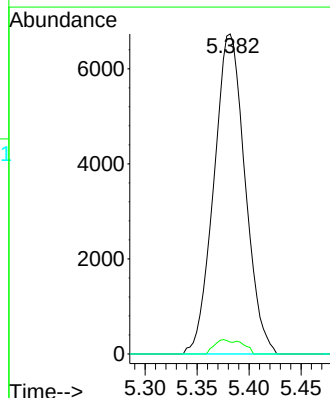
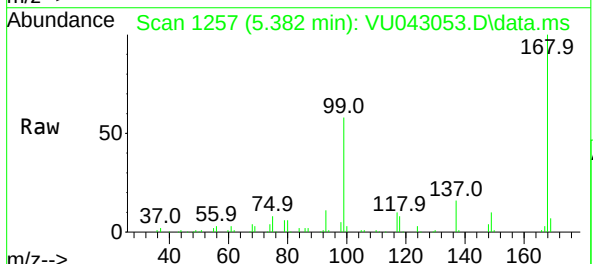
RT: 5.382 min Scan# 1257

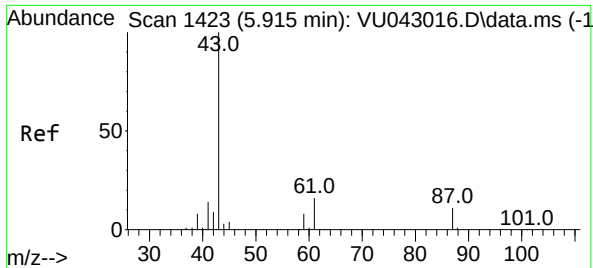
Delta R.T. -0.151 min

Lab File: VU043053.D

Acq: 13 Apr 2021 15:50

Tgt Ion:	117	Resp:	14057
Ion	Ratio	Lower	Upper
117	100		
119	3.7	75.5	113.3#
121	0.0	24.7	37.1#

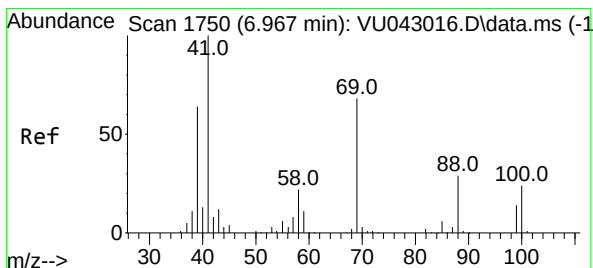
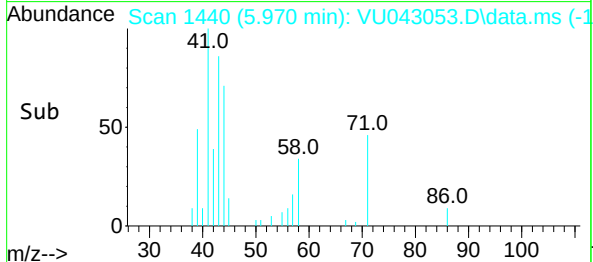
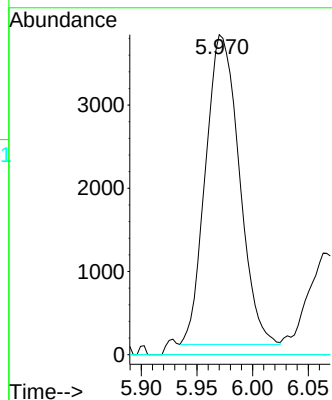
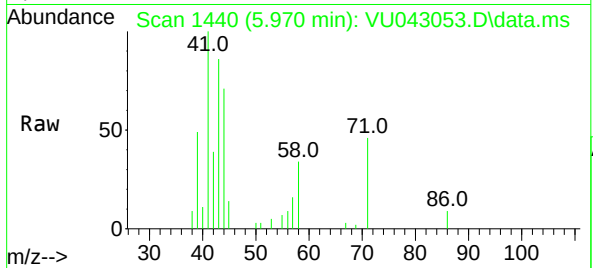




#43
Isopropyl Acetate
Concen: 1.35 ug/l
RT: 5.970 min Scan# 1440
Delta R.T. 0.055 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

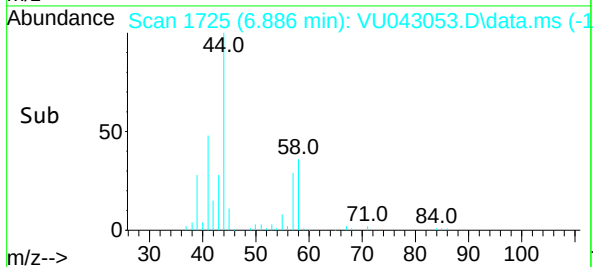
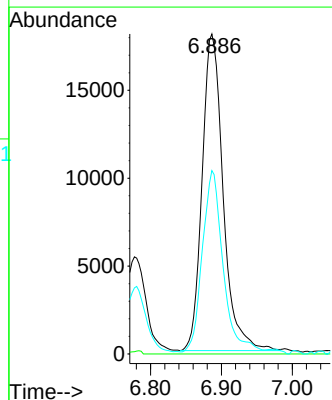
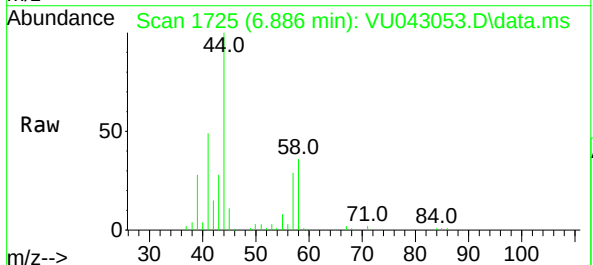
Instrument :
MSVOA_U
ClientSampled :

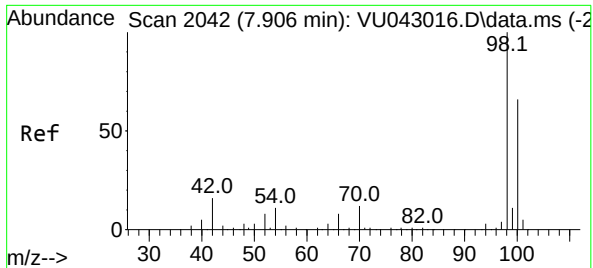
Tgt Ion: 43 Resp: 7825
Ion Ratio Lower Upper
43 100
61 0.0 14.4 21.6#
87 0.0 8.8 13.2#



#48
Methyl methacrylate
Concen: 12.74 ug/l
RT: 6.886 min Scan# 1725
Delta R.T. -0.081 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

Tgt Ion: 41 Resp: 37094
Ion Ratio Lower Upper
41 100
69 0.0 57.0 85.6#
39 56.0 48.4 72.6

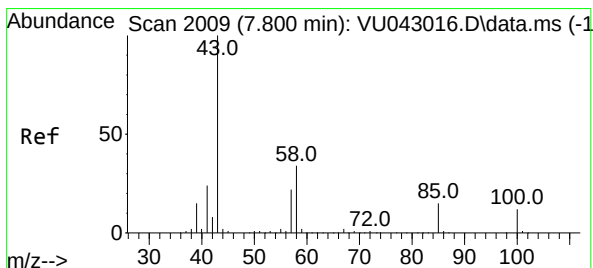
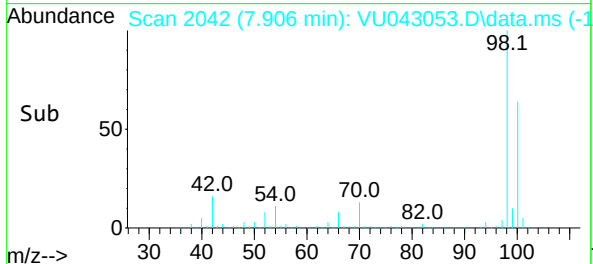
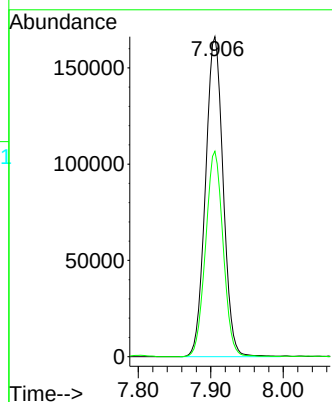
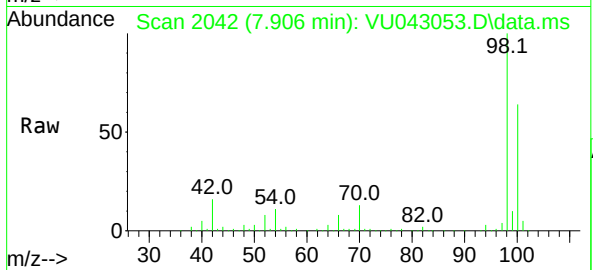




#50
Toluene-d8
Concen: 47.15 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

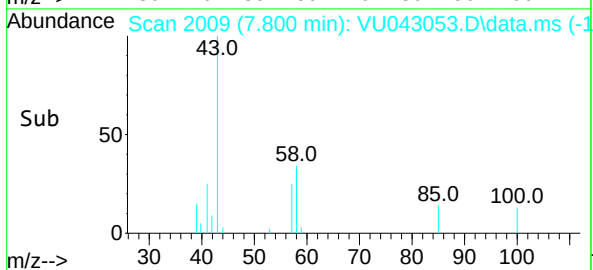
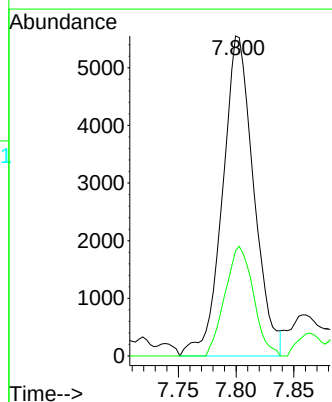
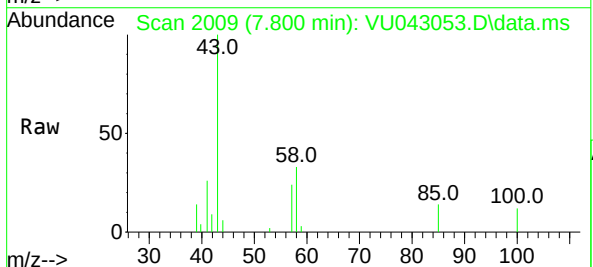
Instrument :
MSVOA_U
ClientSampled :

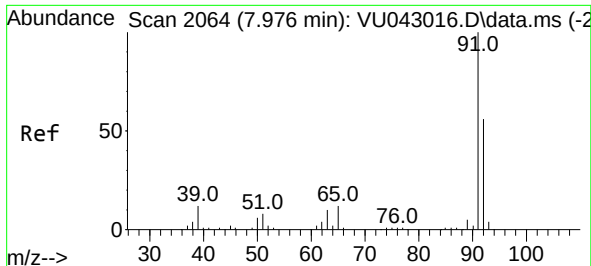
Tgt Ion: 98 Resp: 281160
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 2.43 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

Tgt Ion: 43 Resp: 10423
Ion Ratio Lower Upper
43 100
58 31.2 28.1 42.1

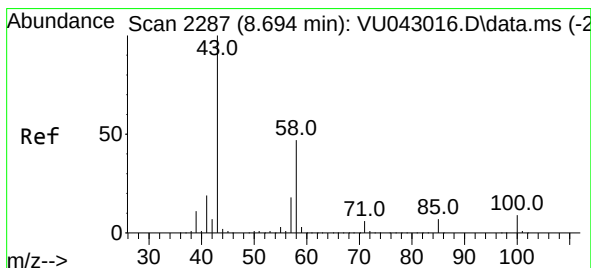
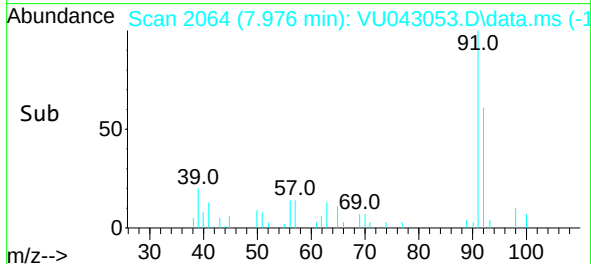
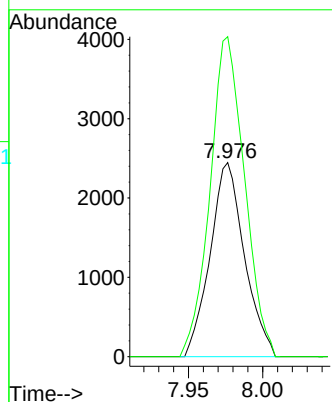
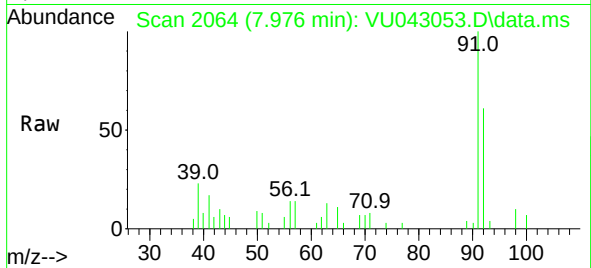




#52
Toluene
Concen: 0.93 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

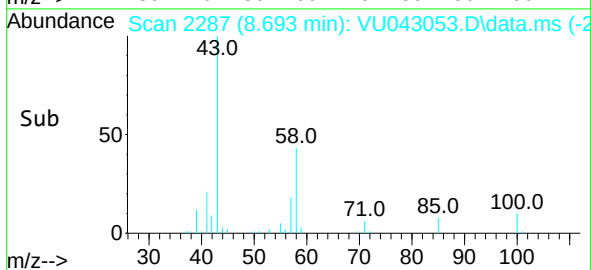
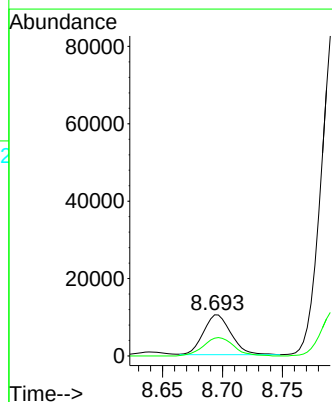
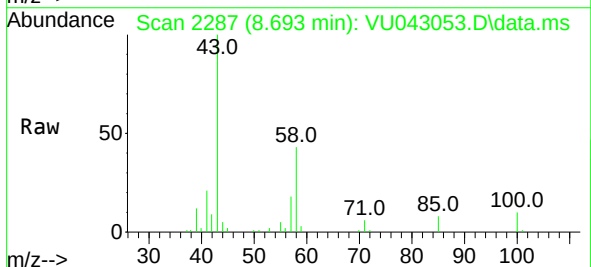
Instrument :
MSVOA_U
ClientSampled :

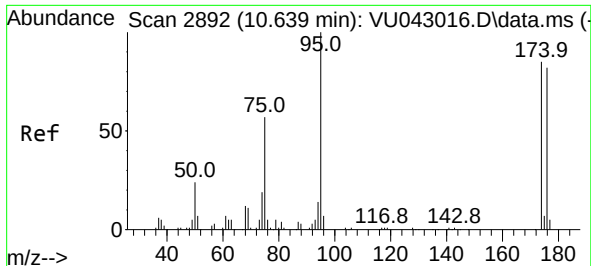
Tgt Ion: 92 Resp: 3929
Ion Ratio Lower Upper
92 100
91 165.9 140.3 210.5



#59
2-Hexanone
Concen: 4.67 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. -0.001 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

Tgt Ion: 43 Resp: 16493
Ion Ratio Lower Upper
43 100
58 51.1 24.0 72.0

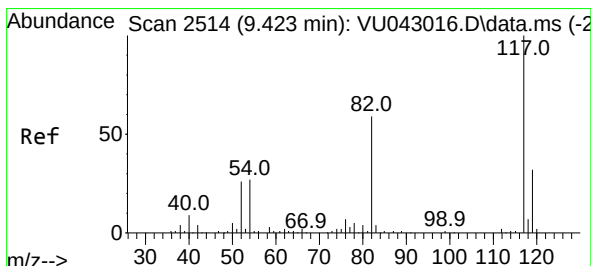
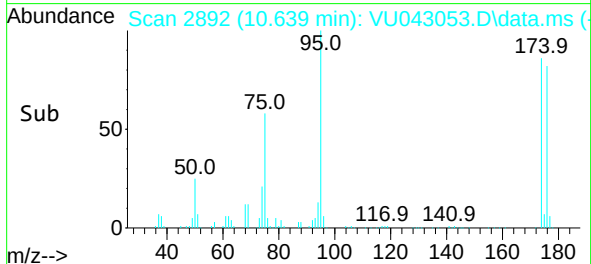
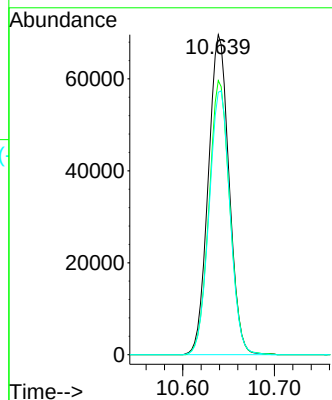
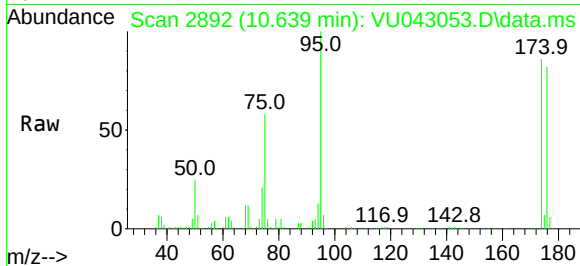




#62
4-Bromofluorobenzene
Concen: 45.92 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

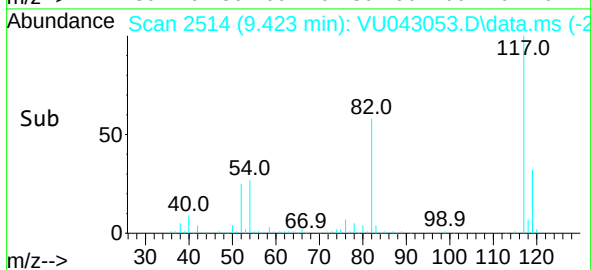
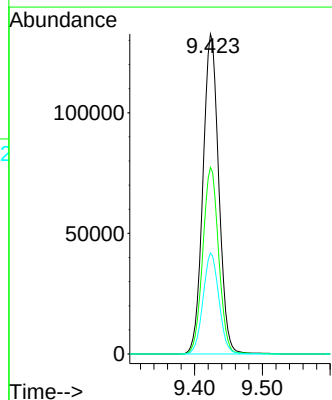
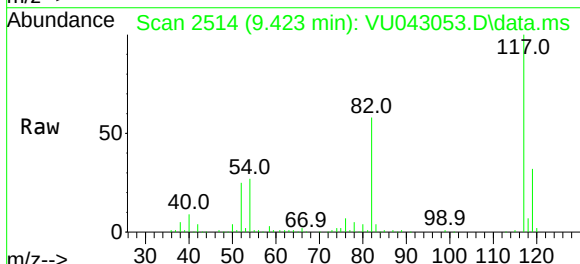
Instrument :
MSVOA_U
ClientSampleId :

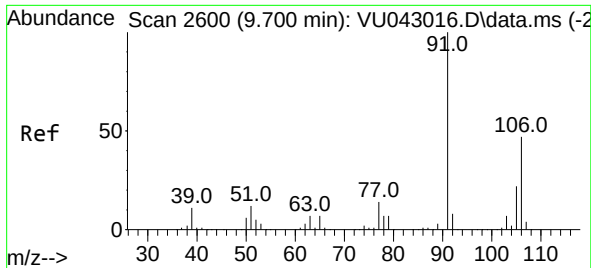
Tgt Ion: 95 Resp: 109649
Ion Ratio Lower Upper
95 100
174 85.4 0.0 172.2
176 83.0 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

Tgt Ion: 117 Resp: 215189
Ion Ratio Lower Upper
117 100
82 58.3 45.8 68.6
119 31.6 25.8 38.8

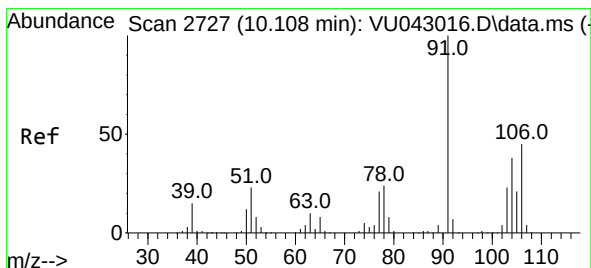
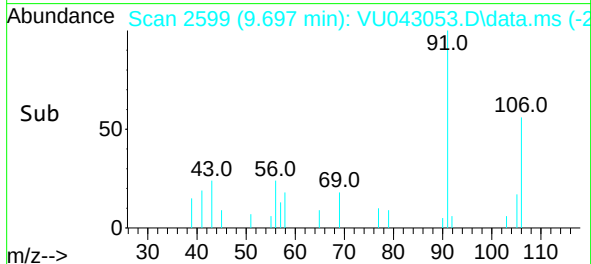
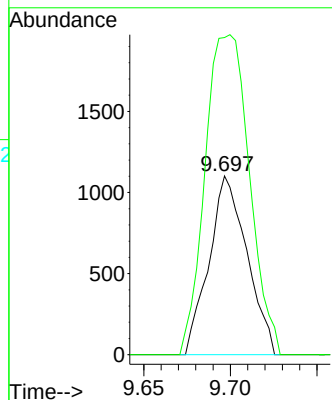
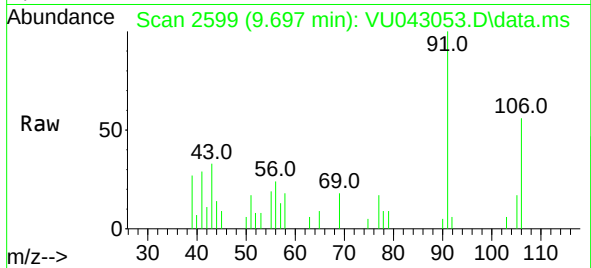




#68
m/p-Xylenes
Concen: 0.54 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.003 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

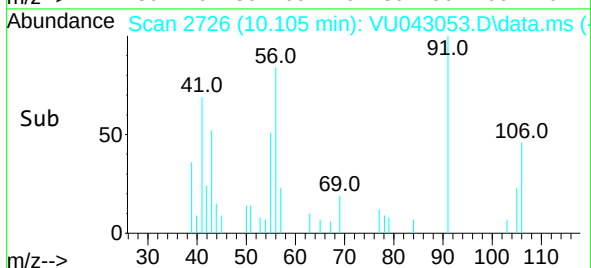
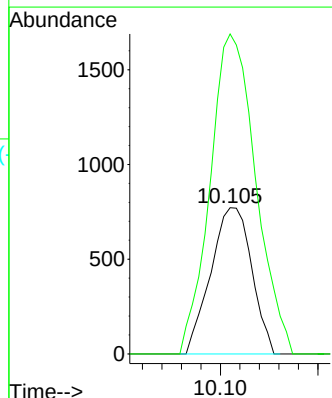
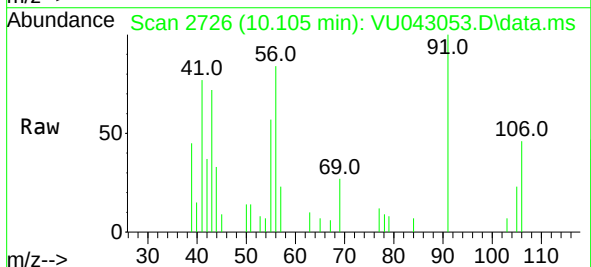
Instrument :
MSVOA_U
ClientSampled :

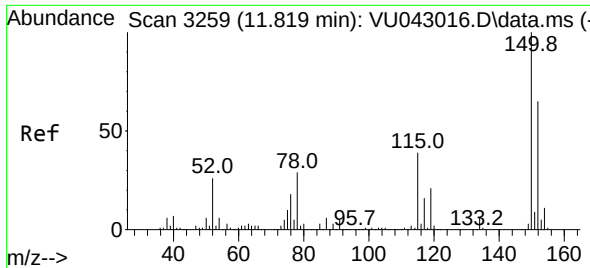
Tgt Ion:106 Resp: 1677
Ion Ratio Lower Upper
106 100
91 209.2 169.9 254.9



#69
o-Xylene
Concen: 0.37 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

Tgt Ion:106 Resp: 1126
Ion Ratio Lower Upper
106 100
91 243.8 111.2 333.6

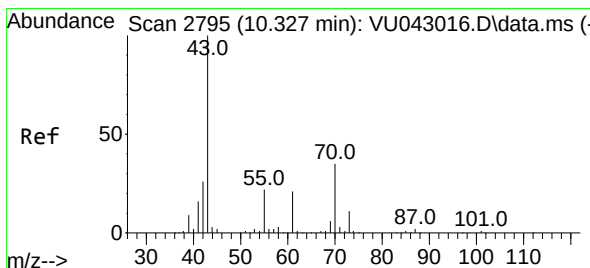
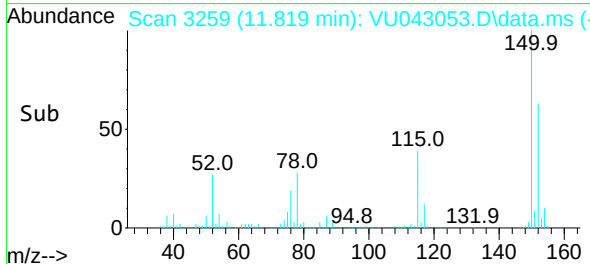
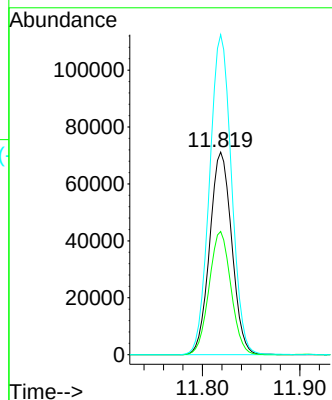
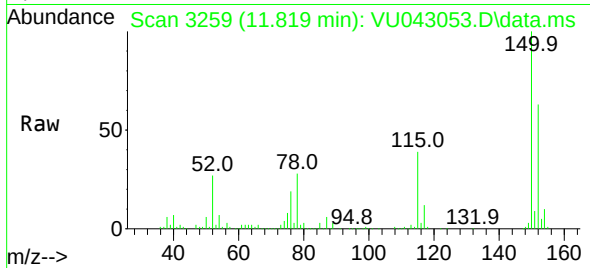




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043053.D
 Acq: 13 Apr 2021 15:50

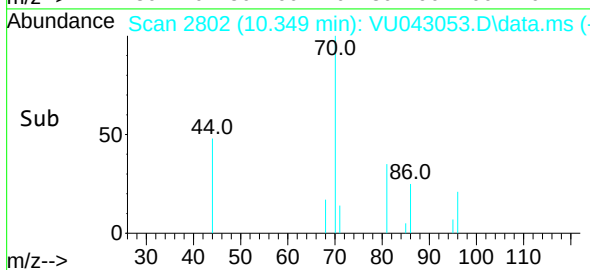
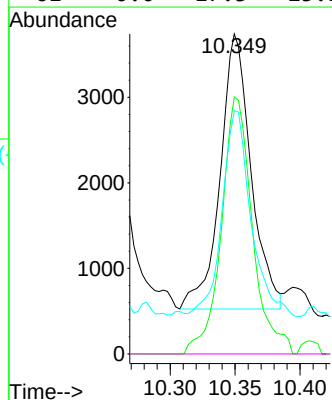
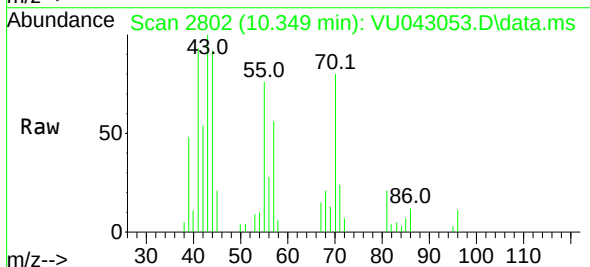
Instrument :
 MSVOA_U
 ClientSampled :

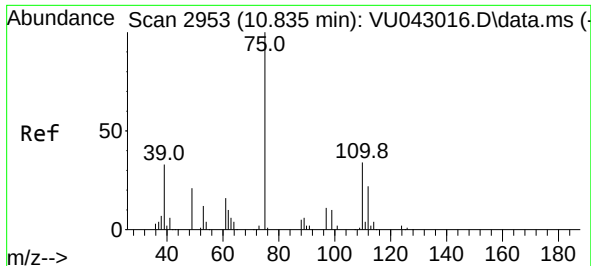
Tgt Ion:152 Resp: 112002
 Ion Ratio Lower Upper
 152 100
 115 60.2 41.5 124.6
 150 157.3 0.0 342.4



#74
 N-ethyl acetate
 Concen: 1.10 ug/l
 RT: 10.349 min Scan# 2802
 Delta R.T. 0.022 min
 Lab File: VU043053.D
 Acq: 13 Apr 2021 15:50

Tgt Ion: 43 Resp: 5304
 Ion Ratio Lower Upper
 43 100
 70 93.9 28.3 42.5#
 55 70.9 17.2 25.8#
 61 0.0 17.3 25.9#

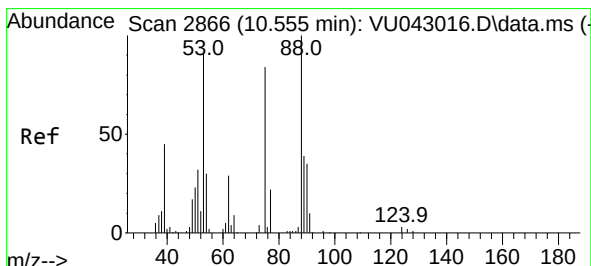
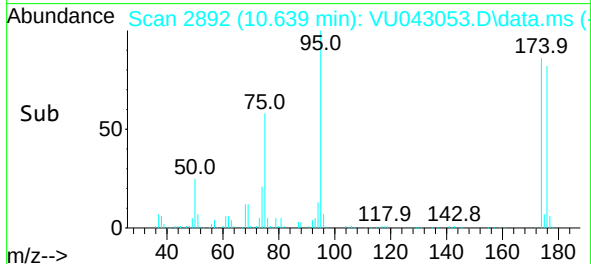
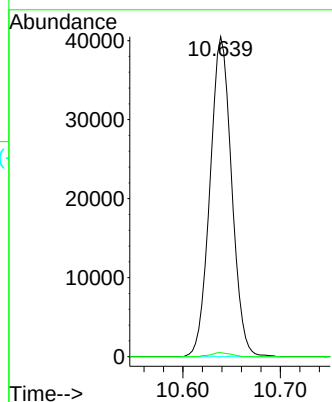
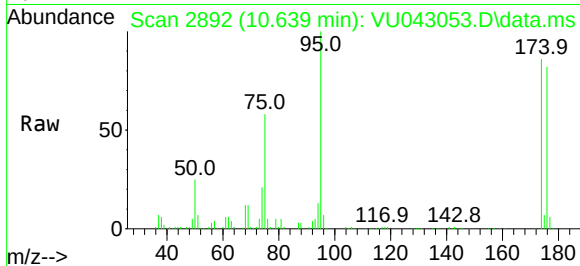




#76
1,2,3-Trichloropropane
Concen: 19.14 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

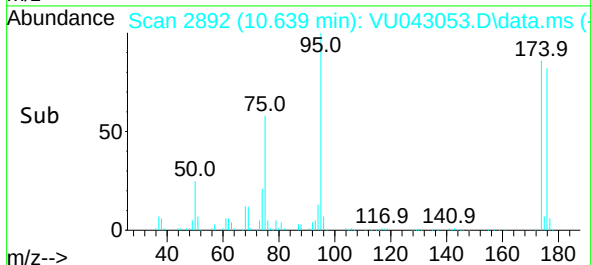
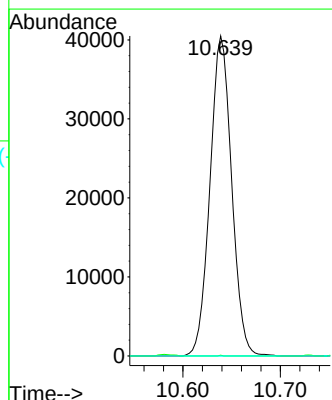
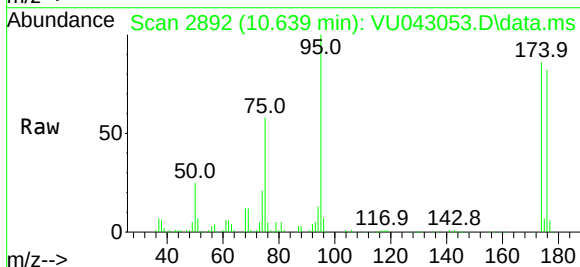
Instrument :
MSVOA_U
ClientSampled :

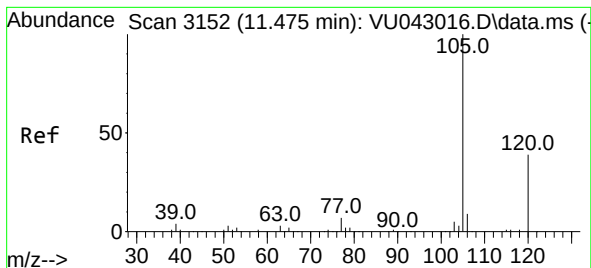
Tgt Ion: 75 Resp: 62641
Ion Ratio Lower Upper
75 100
77 1.2 20.2 60.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.24 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

Tgt Ion: 75 Resp: 62641
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#

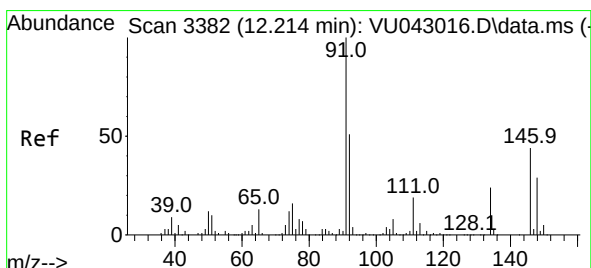
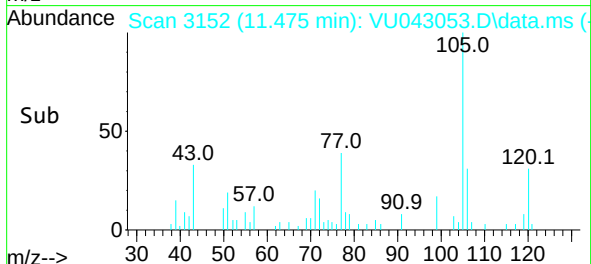
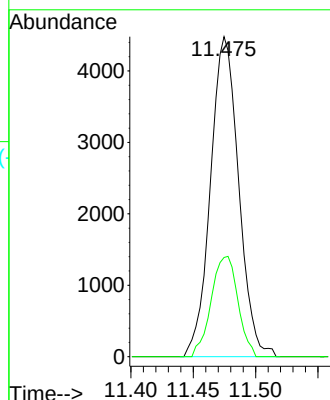
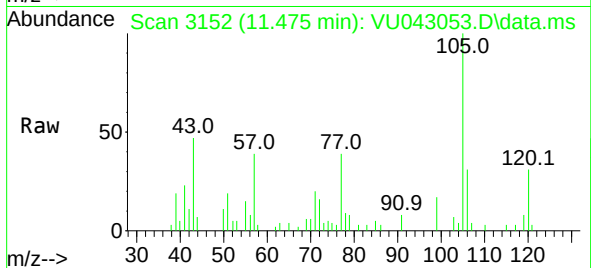




#84
1,2,4-Trimethylbenzene
Concen: 1.03 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

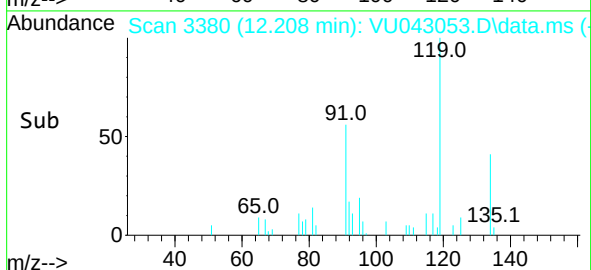
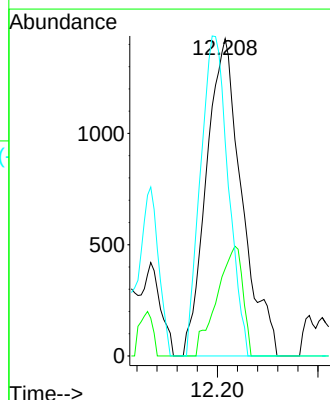
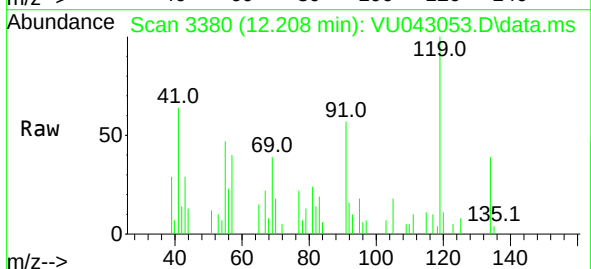
Instrument :
MSVOA_U
ClientSampleId :

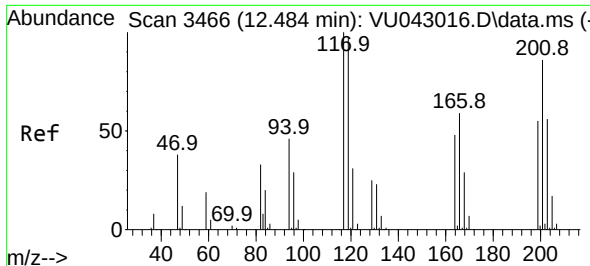
Tgt Ion:105 Resp: 7055
Ion Ratio Lower Upper
105 100
120 29.7 22.3 66.8



#89
n-Butylbenzene
Concen: 0.53 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. -0.006 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

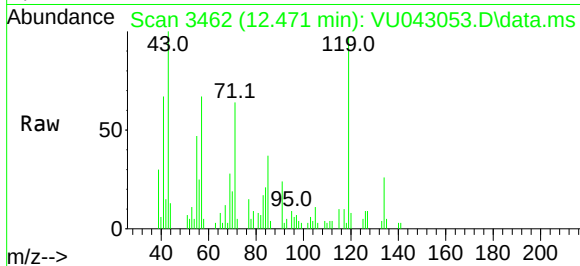
Tgt Ion: 91 Resp: 3482
Ion Ratio Lower Upper
91 100
92 25.2 26.2 78.6#
134 0.0 12.7 38.1#



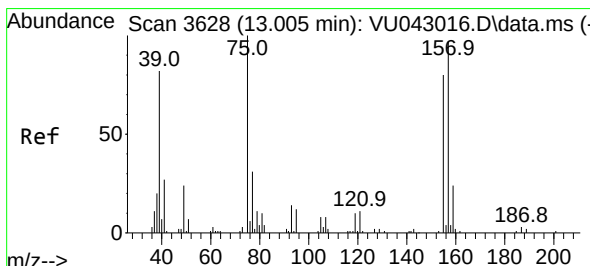
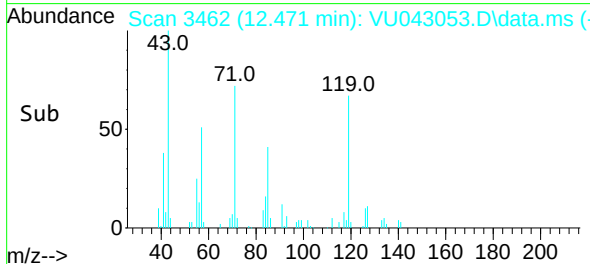
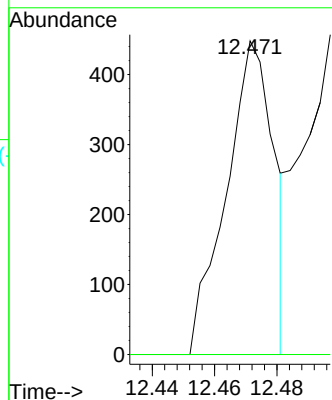


#90
Hexachloroethane
Concen: 0.36 ug/l
RT: 12.471 min Scan# 3462
Delta R.T. -0.013 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50

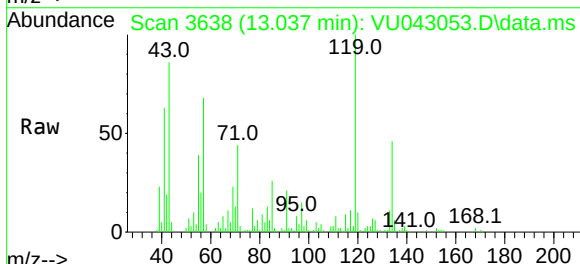
Instrument :
MSVOA_U
ClientSampled :



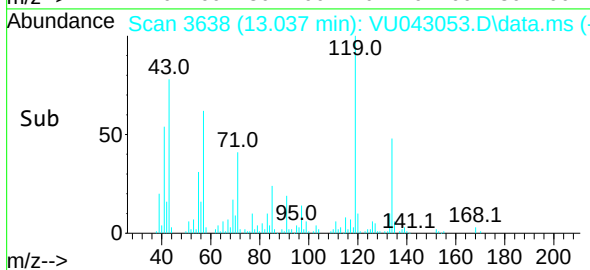
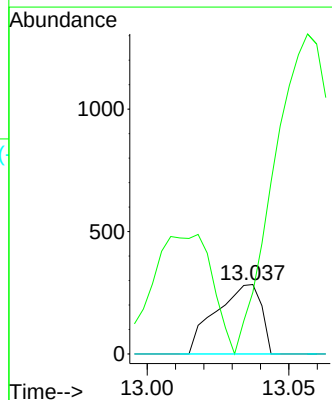
Tgt Ion:117 Resp: 476
Ion Ratio Lower Upper
117 100
201 0.0 43.5 130.7#

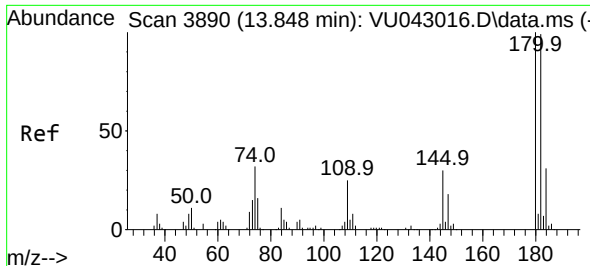


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.34 ug/l
RT: 13.037 min Scan# 3638
Delta R.T. 0.032 min
Lab File: VU043053.D
Acq: 13 Apr 2021 15:50



Tgt Ion: 75 Resp: 317
Ion Ratio Lower Upper
75 100
155 224.3 41.7 125.1#
157 0.0 53.9 161.7#

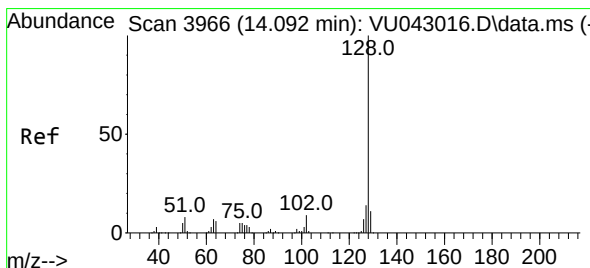
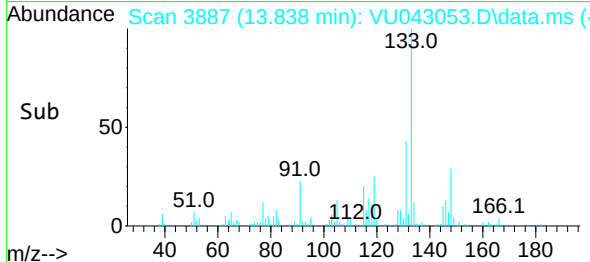
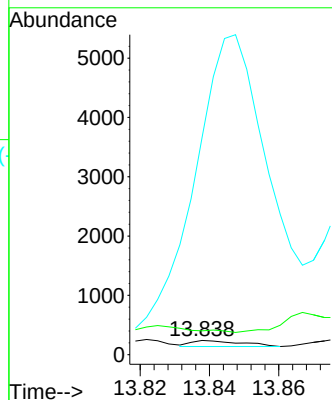
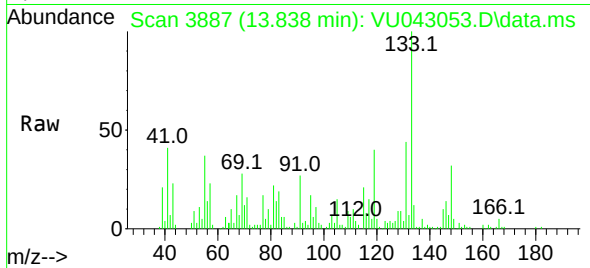




#93
 1,2,4-Trichlorobenzene
 Concen: 1.54 ug/l
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.010 min
 Lab File: VU043053.D
 Acq: 13 Apr 2021 15:50

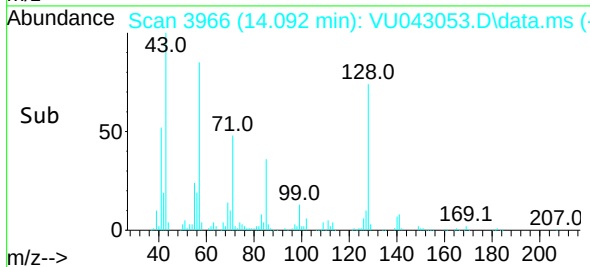
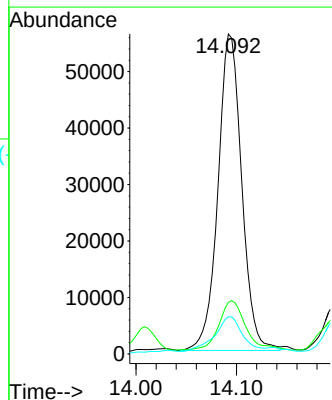
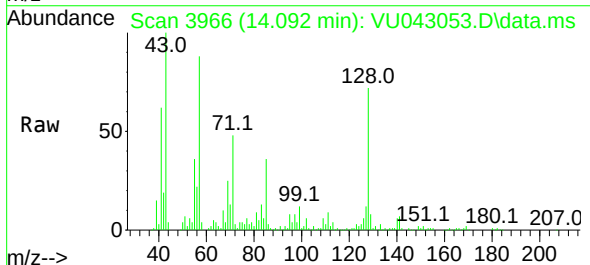
Instrument :
 MSVOA_U
 ClientSampleId :

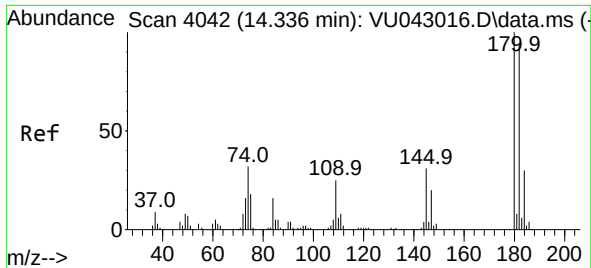
Tgt Ion:180 Resp: 102
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.9 140.8#
 145 7114.7 14.4 43.4#



#95
 Naphthalene
 Concen: 13.47 ug/l
 RT: 14.092 min Scan# 3966
 Delta R.T. -0.000 min
 Lab File: VU043053.D
 Acq: 13 Apr 2021 15:50

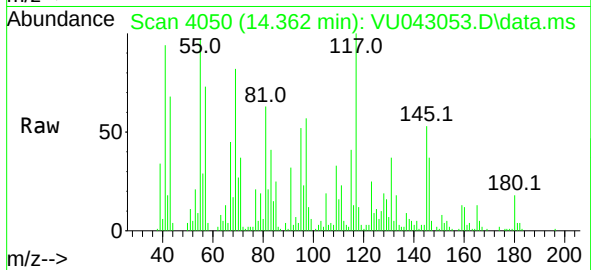
Tgt Ion:128 Resp: 91932
 Ion Ratio Lower Upper
 128 100
 127 17.7 10.8 16.2#
 129 12.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 3.55 ug/l
 RT: 14.362 min Scan# 4050
 Delta R.T. 0.026 min
 Lab File: VU043053.D
 Acq: 13 Apr 2021 15:50

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 5350
 Ion Ratio Lower Upper
 180 100
 182 10.4 48.0 144.0#
 145 332.6 15.5 46.5#

