

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042921\
 Data File : VU043404.D
 Acq On : 28 Apr 2021 23:00
 Operator : SY/MD
 Sample : VU0428WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 29 09:45:20 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)

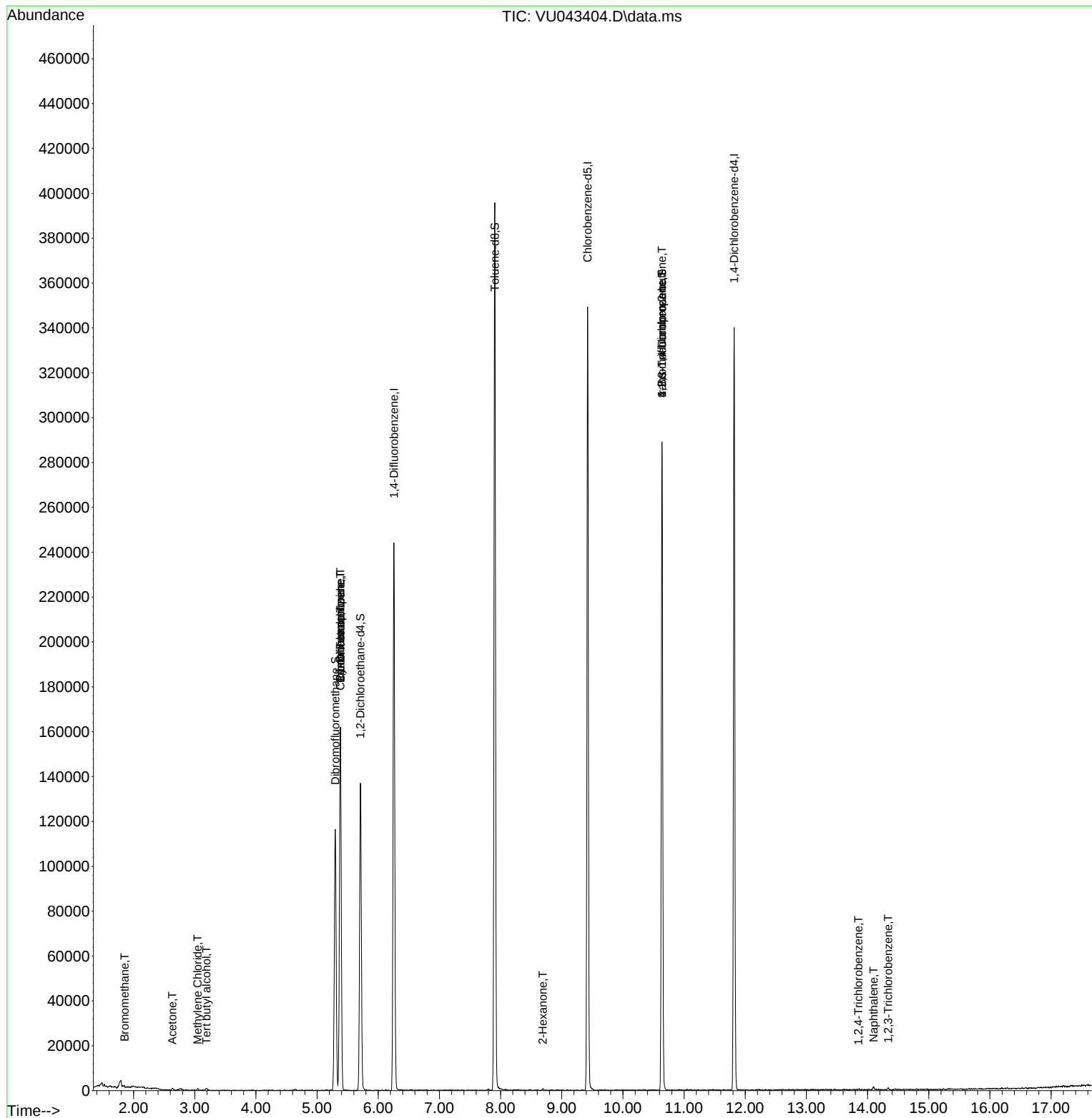
Internal Standards						
1) Pentafluorobenzene	5.382	168	106190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	177359	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	175112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	81022	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	103120	57.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.54%	
35) Dibromofluoromethane	5.298	113	71525	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	7.906	98	243585	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	10.639	95	85756	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	625	Below Cal		90
5) Bromomethane	1.855	94	193	0.30 ug/l		84
11) Tert butyl alcohol	3.192	59	650	1.41 ug/l #		94
16) Acetone	2.633	43	706	0.37 ug/l		98
20) Methylene Chloride	3.047	84	283	0.22 ug/l #		84
31) Cyclohexane	5.382	56	2851	1.29 ug/l #		24
36) 1,1-Dichloropropene	5.382	75	9649	5.13 ug/l #		50
38) Carbon Tetrachloride	5.378	117	11052	5.48 ug/l #		17
59) 2-Hexanone	8.690	43	757	0.27 ug/l		68
76) 1,2,3-Trichloropropane	10.639	75	48528	20.50 ug/l #		36
81) trans-1,4-Dichloro-2-b...	10.639	75	48528	60.23 ug/l #		7
93) 1,2,4-Trichlorobenzene	13.848	180	280	1.65 ug/l #		84
95) Naphthalene	14.098	128	1664	3.01 ug/l #		75
96) 1,2,3-Trichlorobenzene	14.336	180	318	1.63 ug/l #		70

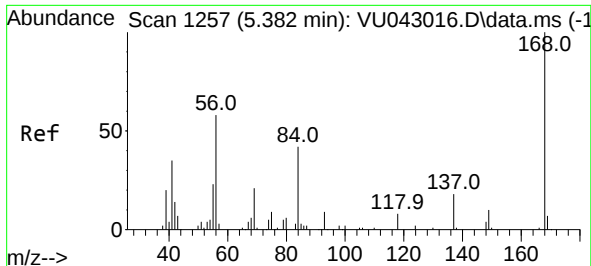
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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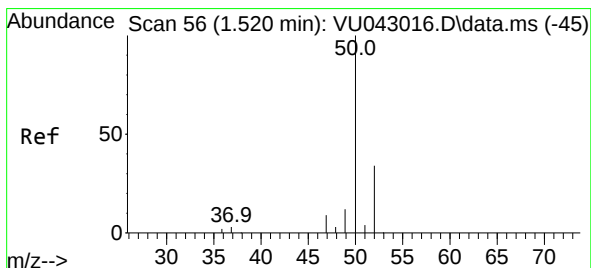
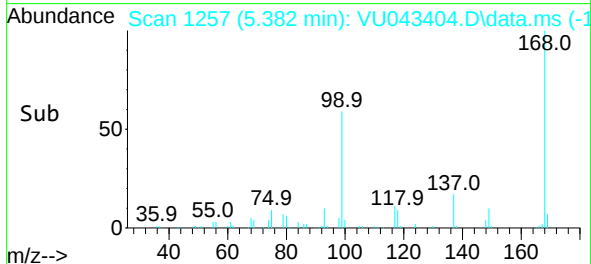
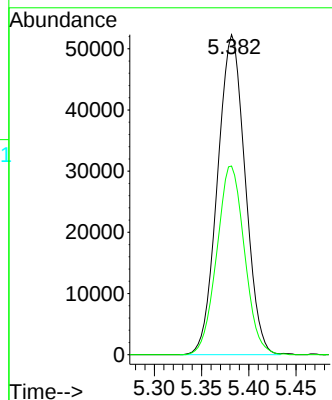
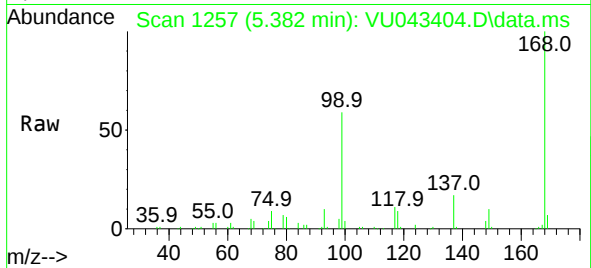




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

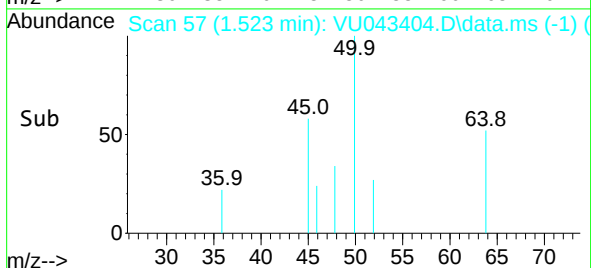
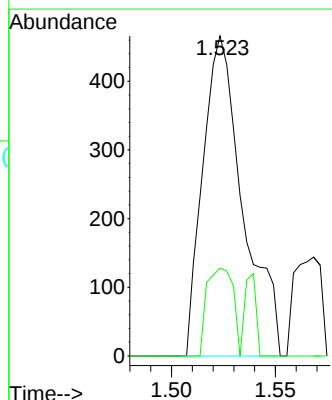
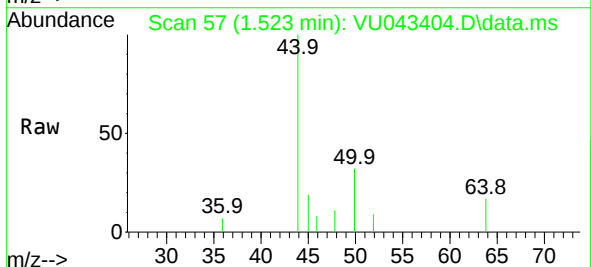
Instrument :
MSVOA_U
ClientSampled :

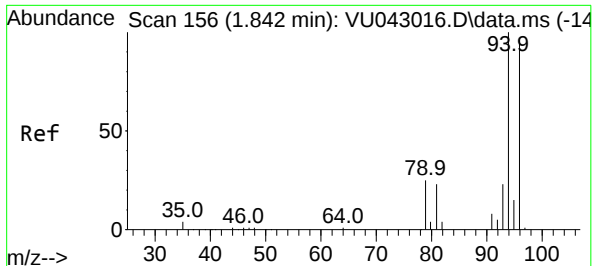
Tgt Ion:168 Resp: 106190
Ion Ratio Lower Upper
168 100
99 58.9 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

Tgt Ion: 50 Resp: 625
Ion Ratio Lower Upper
50 100
52 27.5 26.6 40.0

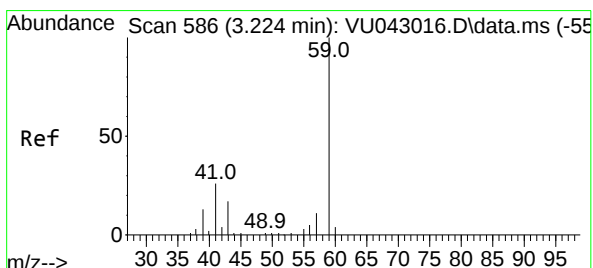
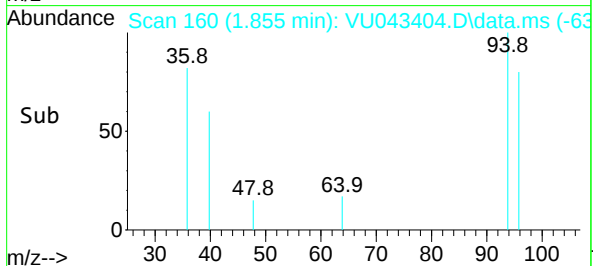
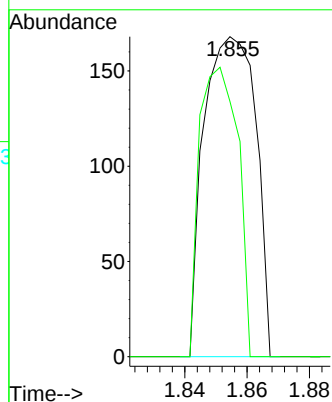
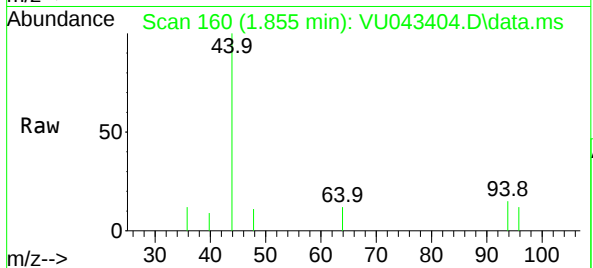




#5
Bromomethane
Concen: 0.30 ug/l
RT: 1.855 min Scan# 160
Delta R.T. 0.012 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

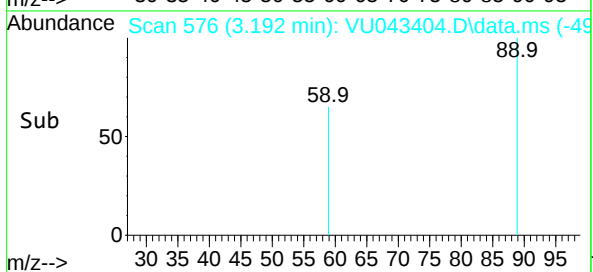
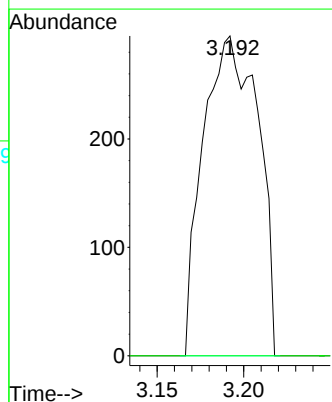
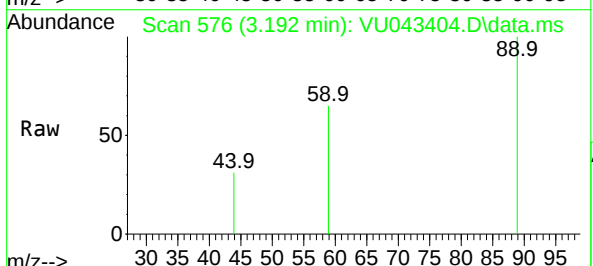
Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 94 Resp: 193
Ion Ratio Lower Upper
94 100
96 79.8 76.6 115.0



#11
Tert butyl alcohol
Concen: 1.41 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.032 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

Tgt Ion: 59 Resp: 650
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#

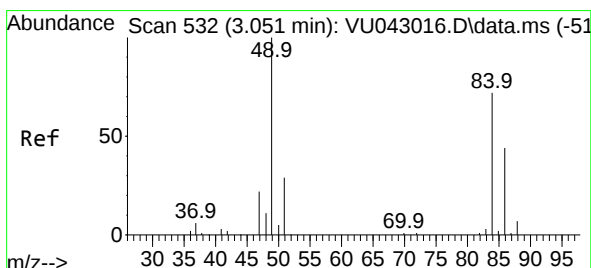
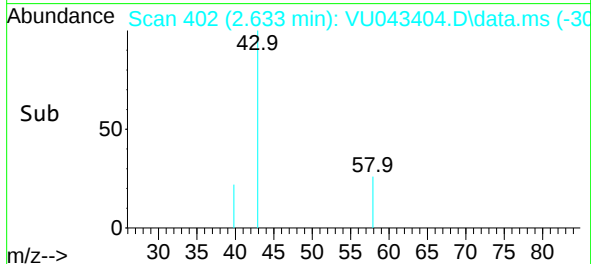
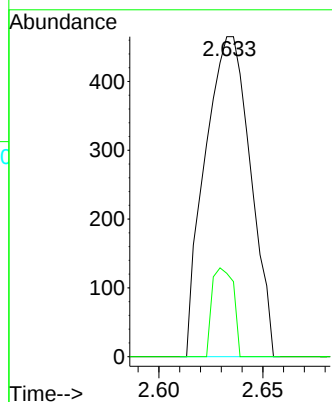
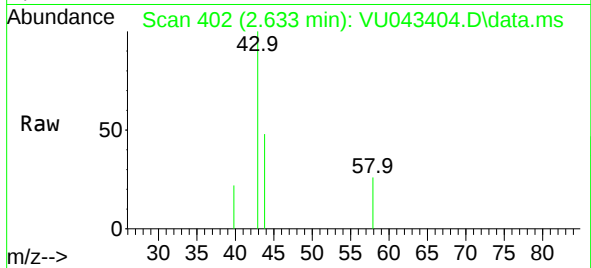




#16
Acetone
Concen: 0.37 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

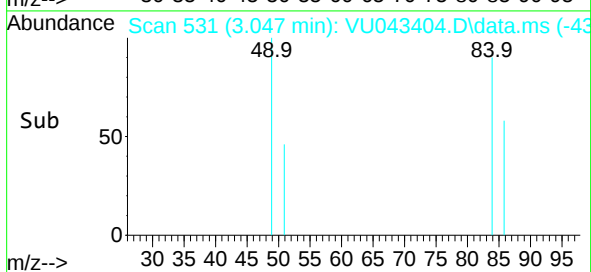
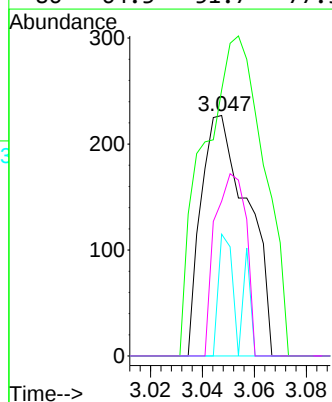
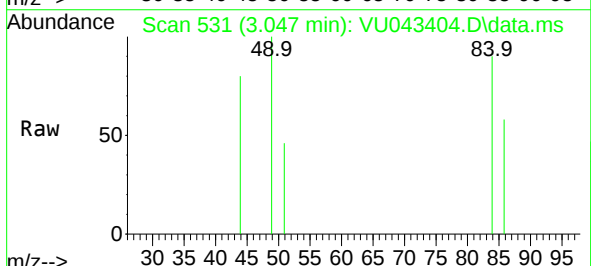
Instrument :
MSVOA_U
ClientSampled :

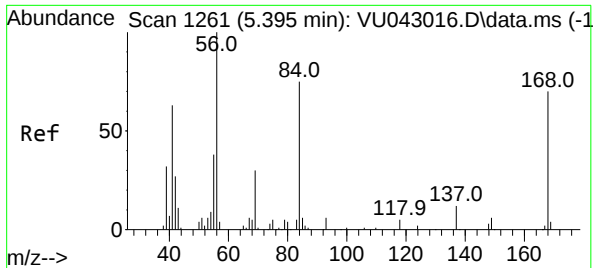
Tgt Ion: 43 Resp: 706
Ion Ratio Lower Upper
43 100
58 26.0 21.5 32.3



#20
Methylene Chloride
Concen: 0.22 ug/l
RT: 3.047 min Scan# 531
Delta R.T. -0.004 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

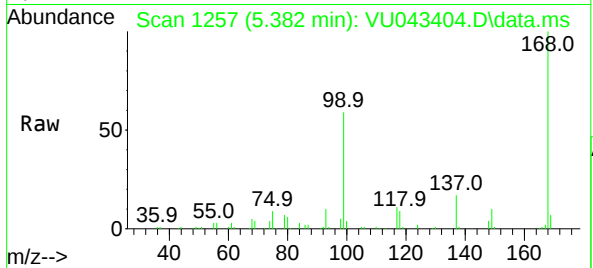
Tgt Ion: 84 Resp: 283
Ion Ratio Lower Upper
84 100
49 110.6 112.6 169.0#
51 50.7 33.7 50.5#
86 64.3 51.7 77.5



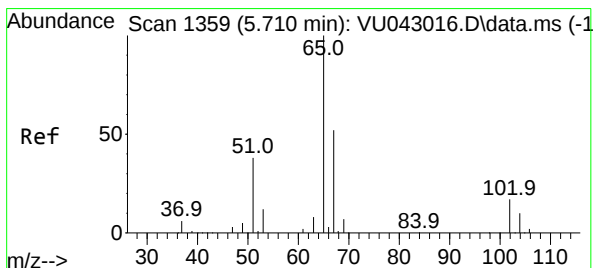
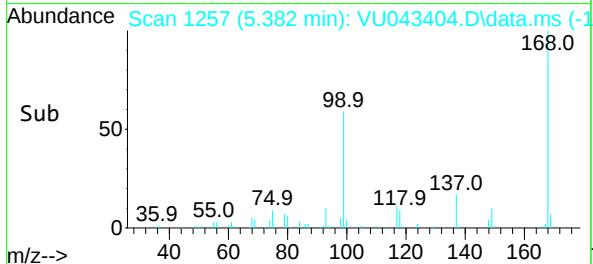
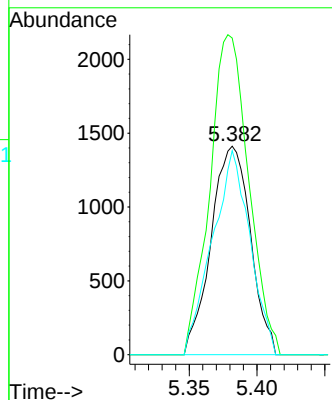


#31
Cyclohexane
Concen: 1.29 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

Instrument :
MSVOA_U
ClientSampled :

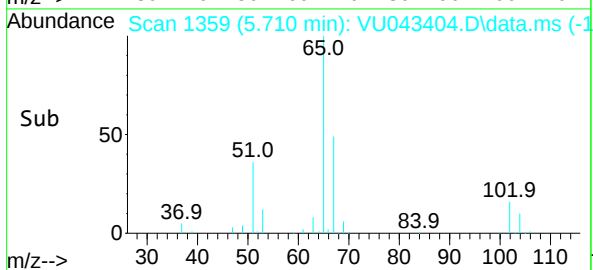
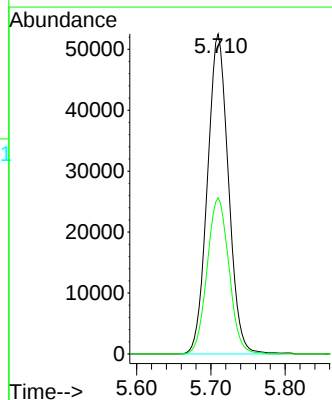
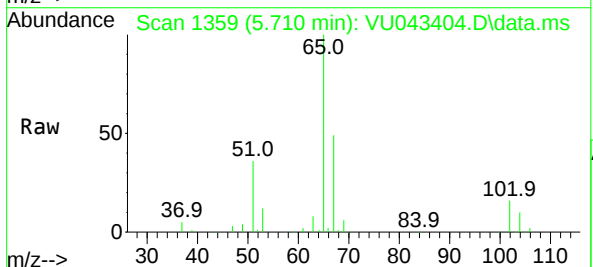


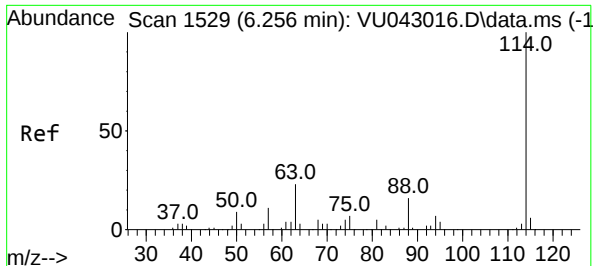
Tgt Ion: 56 Resp: 2851
Ion Ratio Lower Upper
56 100
69 151.8 24.9 37.3#
84 97.8 63.7 95.5#



#33
1,2-Dichloroethane-d4
Concen: 57.77 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

Tgt Ion: 65 Resp: 103120
Ion Ratio Lower Upper
65 100
67 50.6 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: VU043404.D

Acq: 28 Apr 2021 23:00

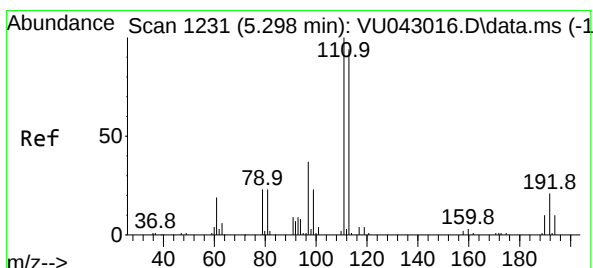
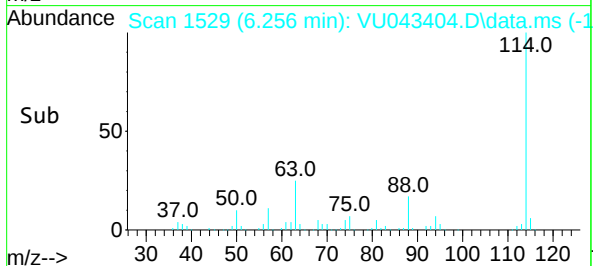
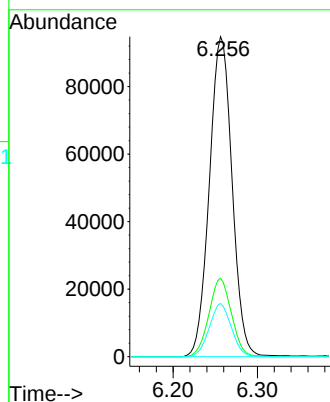
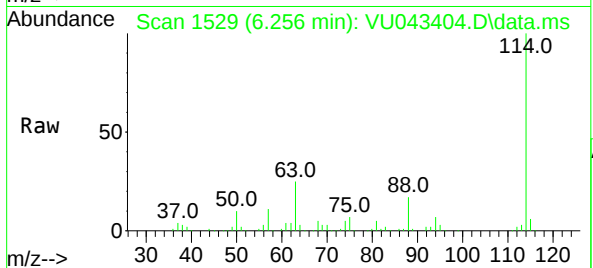
Tgt Ion:114 Resp: 177359

Ion Ratio Lower Upper

114 100

63 24.5 0.0 44.2

88 16.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 53.67 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU043404.D

Acq: 28 Apr 2021 23:00

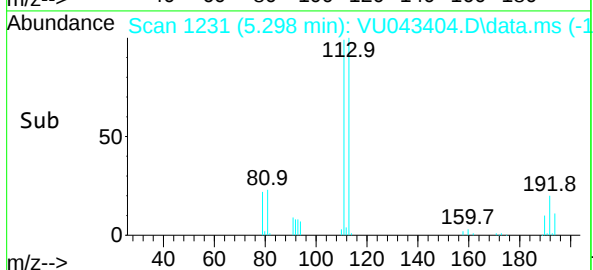
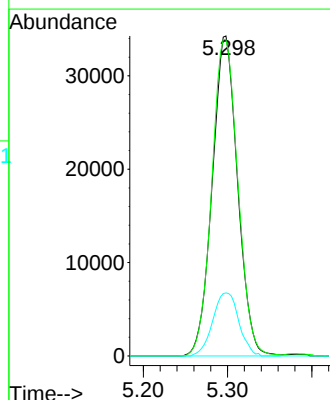
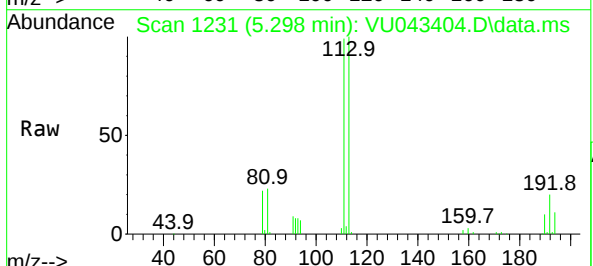
Tgt Ion:113 Resp: 71525

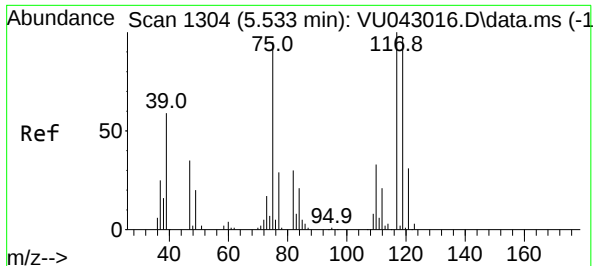
Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

192 20.3 17.2 25.8





#36

1,1-Dichloropropene

Concen: 5.13 ug/l

RT: 5.382 min Scan# 1257

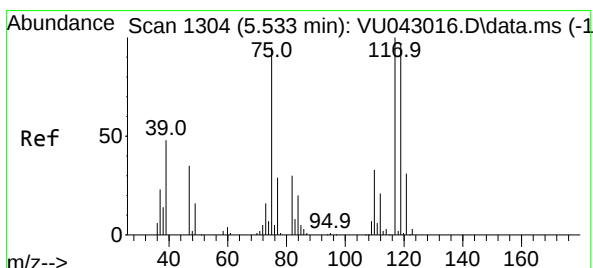
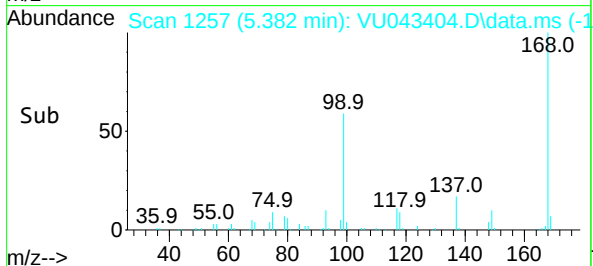
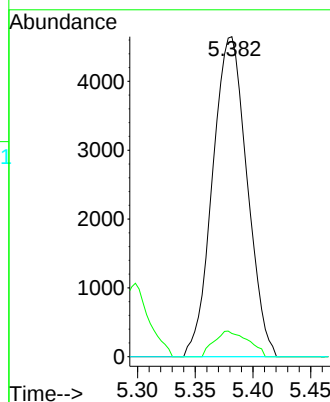
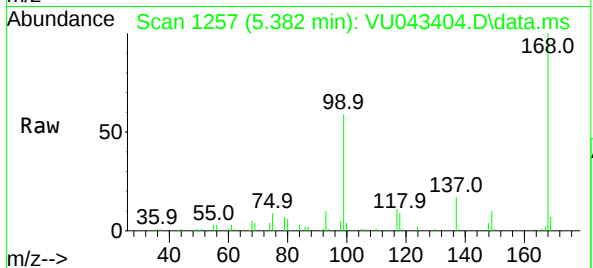
Delta R.T. -0.151 min

Lab File: VU043404.D

Acq: 28 Apr 2021 23:00

Tgt Ion:	75	Resp:	9649
Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.8	50.3#
77	0.0	24.8	37.2#

Instrument :
MSVOA_U
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.48 ug/l

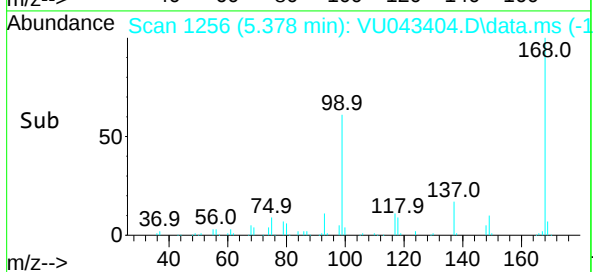
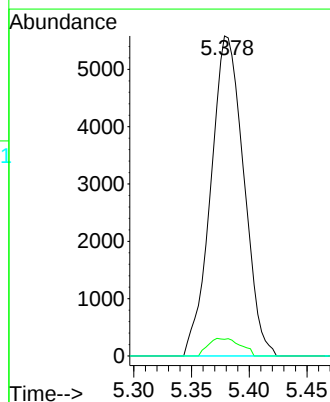
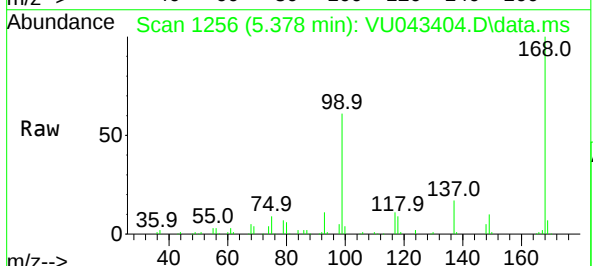
RT: 5.378 min Scan# 1256

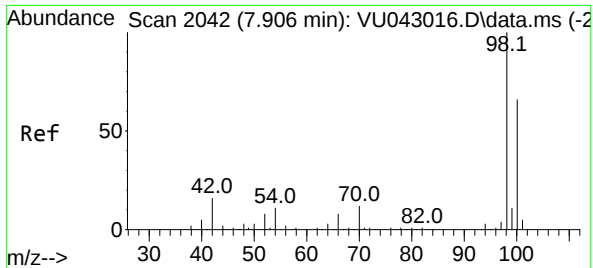
Delta R.T. -0.155 min

Lab File: VU043404.D

Acq: 28 Apr 2021 23:00

Tgt Ion:	117	Resp:	11052
Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.5	113.3#
121	0.0	24.7	37.1#

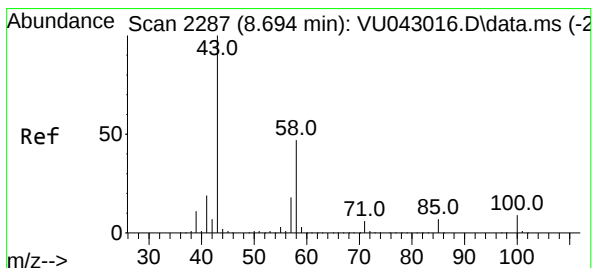
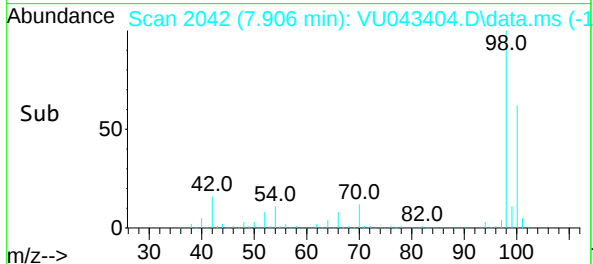
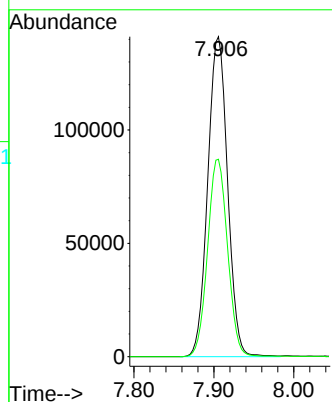
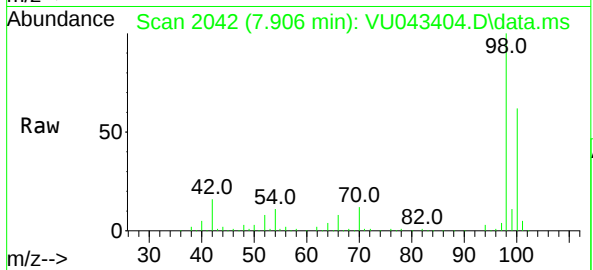




#50
Toluene-d8
Concen: 51.65 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

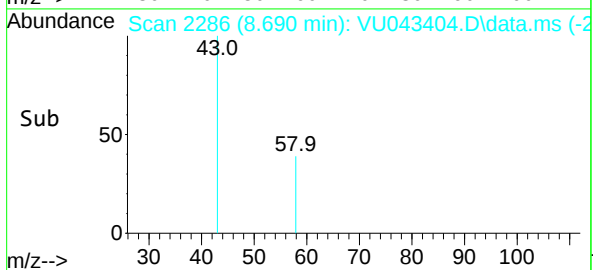
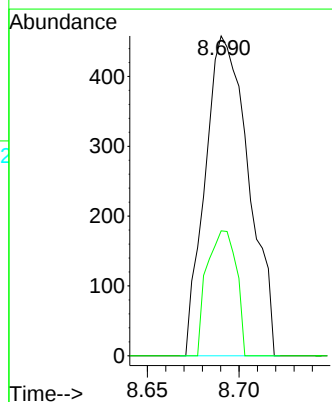
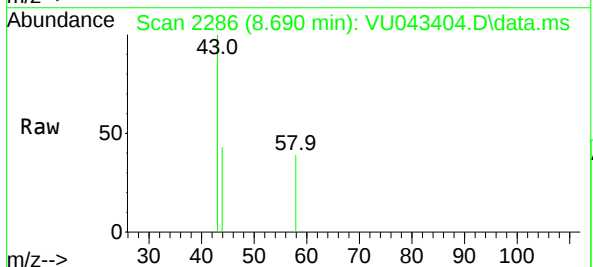
Instrument :
MSVOA_U
ClientSampled :

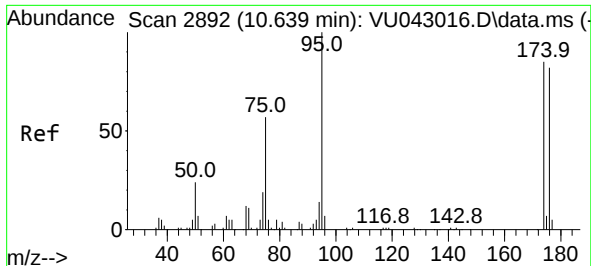
Tgt Ion: 98 Resp: 243585
Ion Ratio Lower Upper
98 100
100 62.2 50.2 75.2



#59
2-Hexanone
Concen: 0.27 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. -0.004 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

Tgt Ion: 43 Resp: 757
Ion Ratio Lower Upper
43 100
58 26.2 24.0 72.0

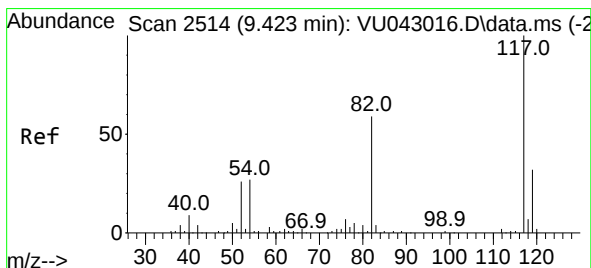
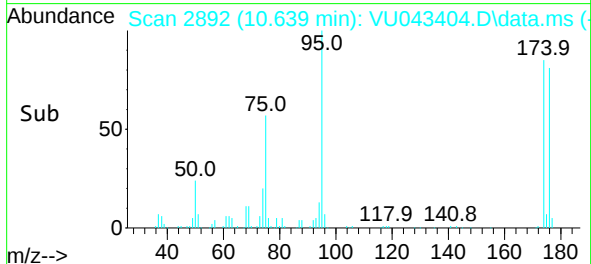
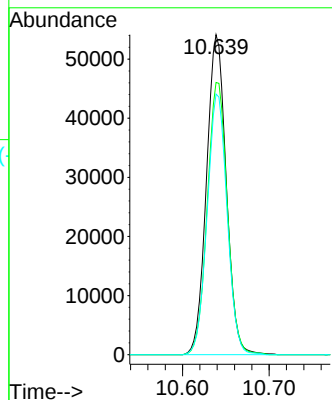
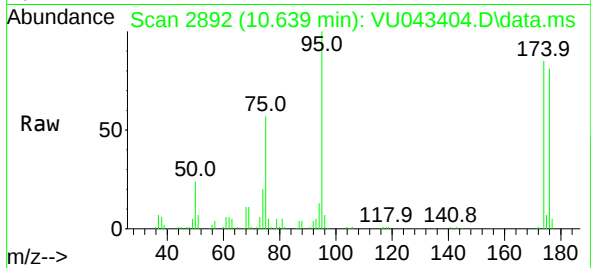




#62
4-Bromofluorobenzene
Concen: 45.41 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

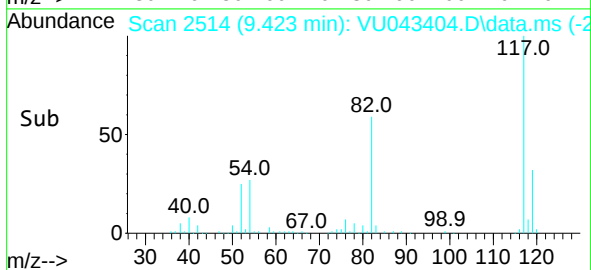
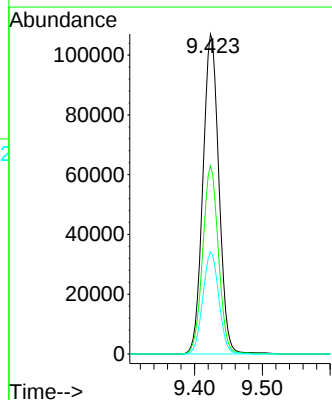
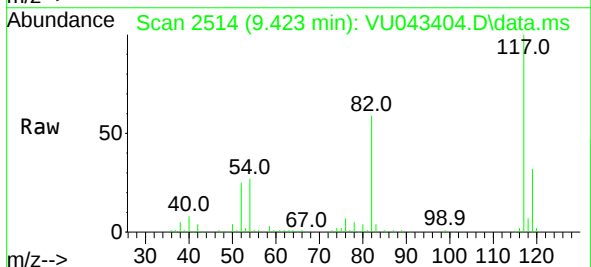
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MSVOA_U
ClientSampleId :

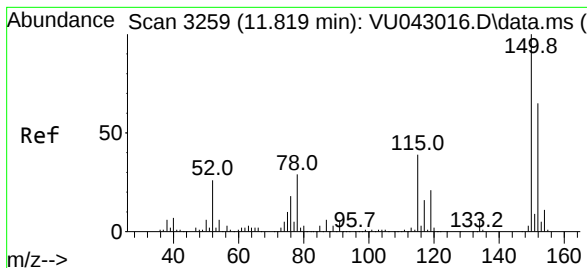
Tgt Ion: 95 Resp: 85756
Ion Ratio Lower Upper
95 100
174 86.6 0.0 172.2
176 81.8 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

Tgt Ion: 117 Resp: 175112
Ion Ratio Lower Upper
117 100
82 58.7 45.8 68.6
119 31.8 25.8 38.8

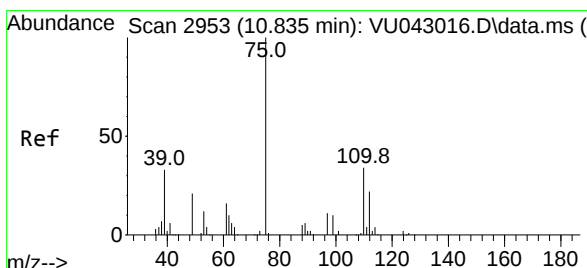
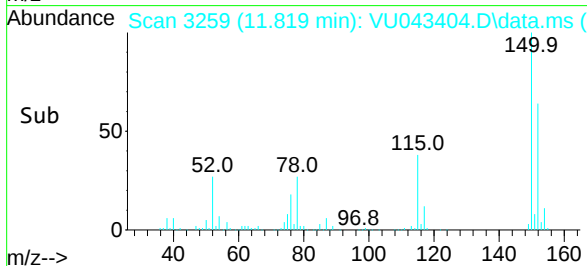
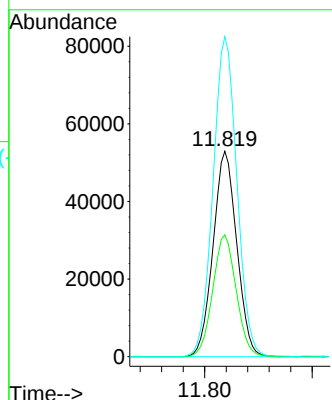
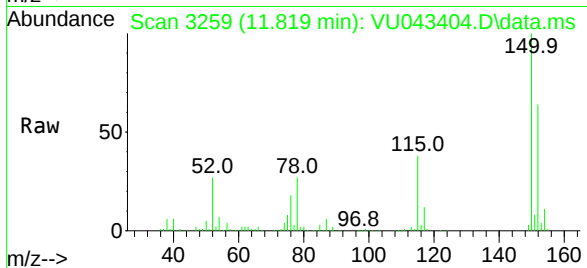




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043404.D
 Acq: 28 Apr 2021 23:00

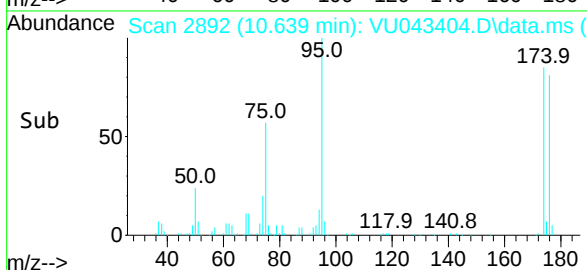
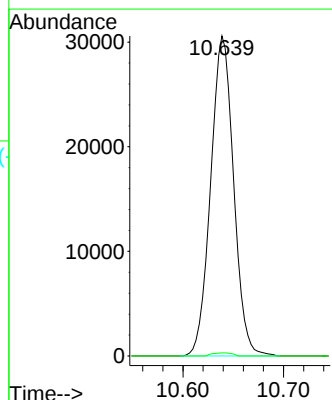
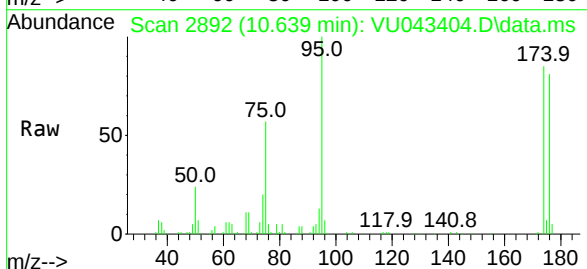
Instrument :
 MSVOA_U
 ClientSampled :

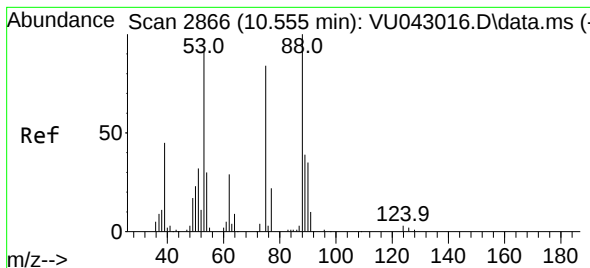
Tgt Ion:152 Resp: 81022
 Ion Ratio Lower Upper
 152 100
 115 58.7 41.5 124.6
 150 156.8 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 20.50 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.196 min
 Lab File: VU043404.D
 Acq: 28 Apr 2021 23:00

Tgt Ion: 75 Resp: 48528
 Ion Ratio Lower Upper
 75 100
 77 0.8 20.2 60.5#

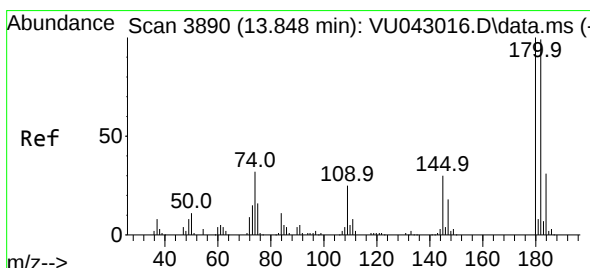
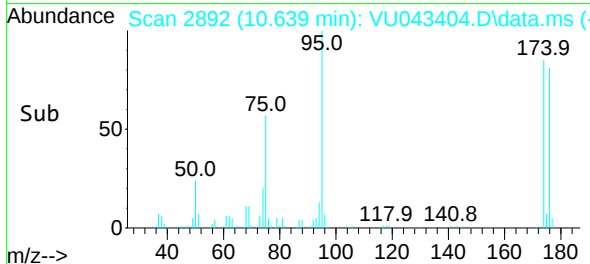
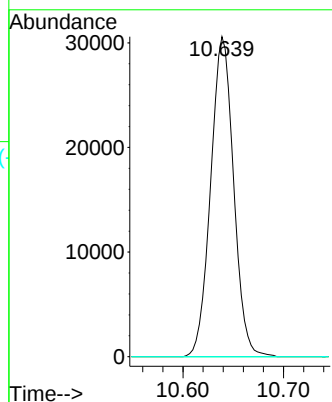
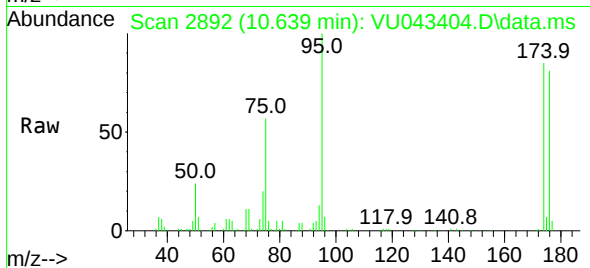




#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.23 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.084 min
 Lab File: VU043404.D
 Acq: 28 Apr 2021 23:00

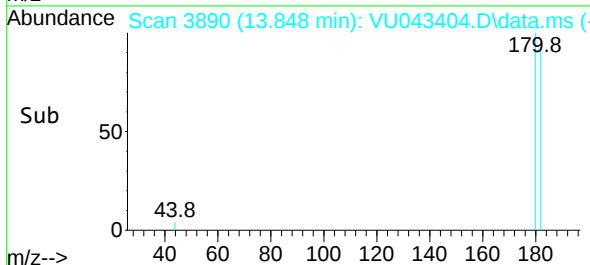
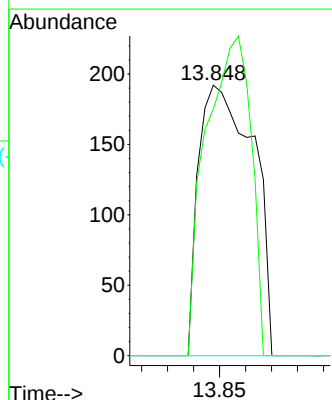
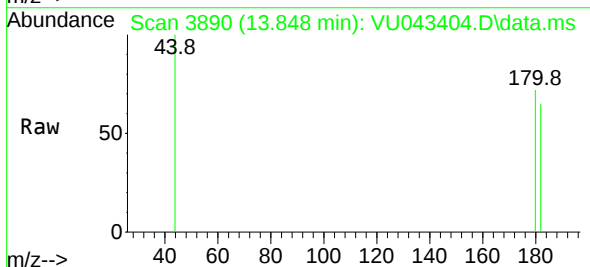
Instrument :
 MSVOA_U
 ClientSampled :

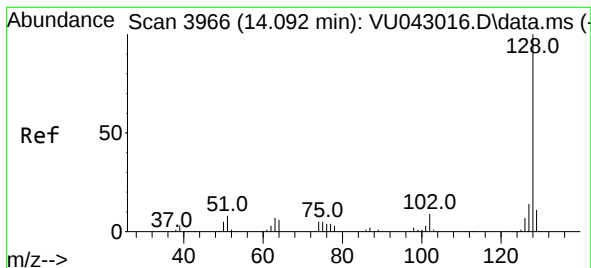
Tgt Ion: 75 Resp: 48528
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.6 128.4#
 89 0.0 35.7 53.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.65 ug/l
 RT: 13.848 min Scan# 3890
 Delta R.T. -0.000 min
 Lab File: VU043404.D
 Acq: 28 Apr 2021 23:00

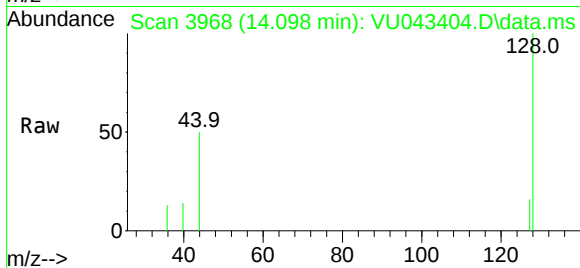
Tgt Ion:180 Resp: 280
 Ion Ratio Lower Upper
 180 100
 182 97.5 46.9 140.8
 145 0.0 14.4 43.4#



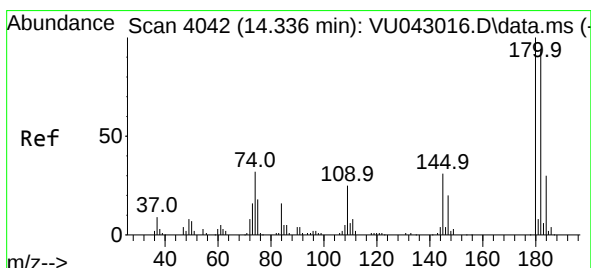
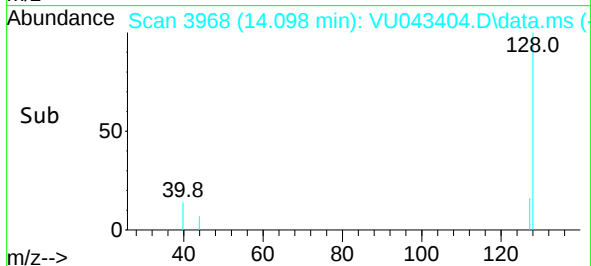
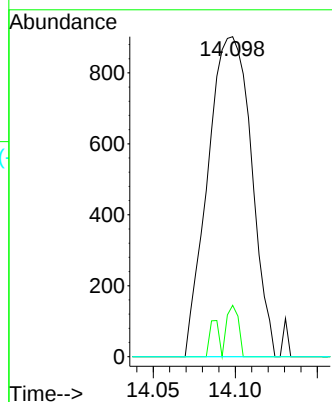


#95
Naphthalene
Concen: 3.01 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:128 Resp: 1664
Ion Ratio Lower Upper
128 100
127 4.4 10.8 16.2#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.63 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VU043404.D
Acq: 28 Apr 2021 23:00

Tgt Ion:180 Resp: 318
Ion Ratio Lower Upper
180 100
182 121.1 48.0 144.0
145 6.3 15.5 46.5#

