

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042921\
 Data File : VU043407.D
 Acq On : 29 Apr 2021 00:10
 Operator : SY/MD
 Sample : M2180-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 29 09:46:42 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)

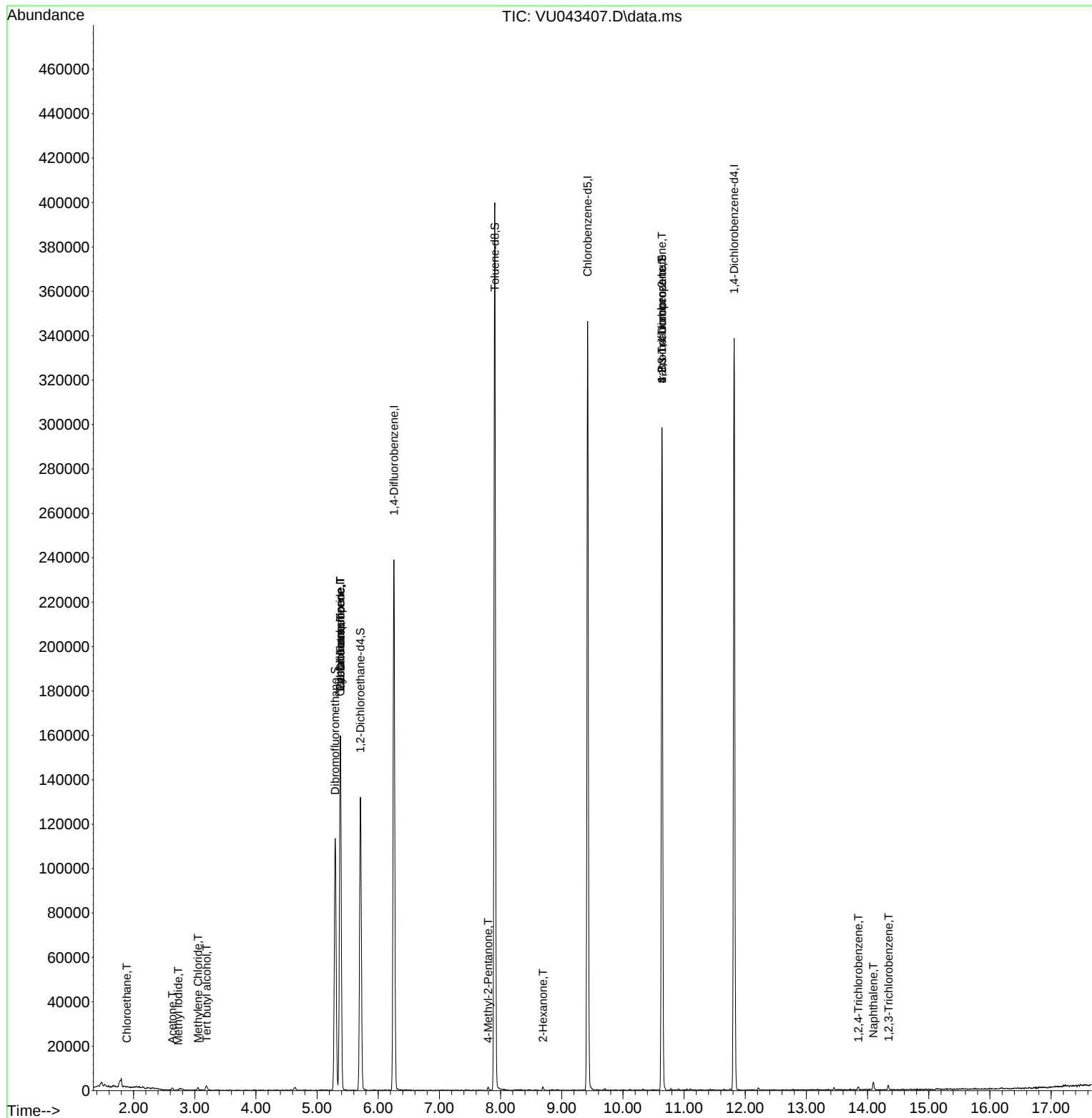
Internal Standards						
1) Pentafluorobenzene	5.382	168	106474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	174924	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	172180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	82217	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	101820	56.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.78%	
35) Dibromofluoromethane	5.295	113	69967	53.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.46%	
50) Toluene-d8	7.906	98	243637	52.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	10.639	95	85972	46.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.32%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	744	Below Cal		90
6) Chloroethane	1.890	64	236	0.25 ug/l #		42
10) Methyl Iodide	2.732	142	385	0.28 ug/l #		50
11) Tert butyl alcohol	3.195	59	1711	3.71 ug/l #		94
16) Acetone	2.633	43	1129	0.77 ug/l #		90
20) Methylene Chloride	3.054	84	428	0.34 ug/l #		86
31) Cyclohexane	5.382	56	2756	1.25 ug/l #		16
36) 1,1-Dichloropropene	5.382	75	8991	4.85 ug/l #		51
38) Carbon Tetrachloride	5.379	117	10383	5.22 ug/l #		18
51) 4-Methyl-2-Pentanone	7.796	43	903	0.27 ug/l		89
59) 2-Hexanone	8.694	43	1197	0.43 ug/l		97
76) 1,2,3-Trichloropropane	10.639	75	49966	20.80 ug/l #		36
81) trans-1,4-Dichloro-2-b...	10.639	75	49966	61.11 ug/l #		7
93) 1,2,4-Trichlorobenzene	13.848	180	629	1.83 ug/l		92
94) Hexachlorobutadiene	14.024	225	40	Below Cal #		48
95) Naphthalene	14.095	128	3496	3.30 ug/l		96
96) 1,2,3-Trichlorobenzene	14.343	180	917	1.95 ug/l		77

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

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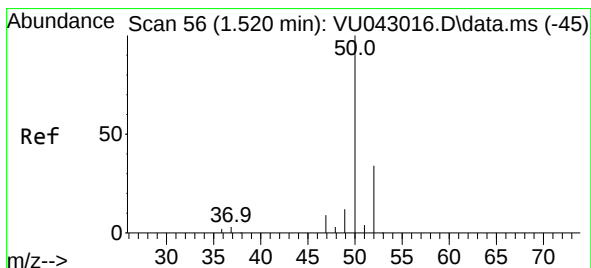
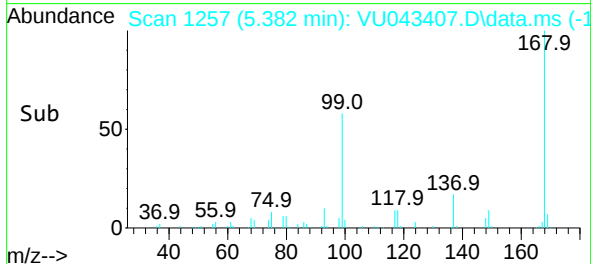
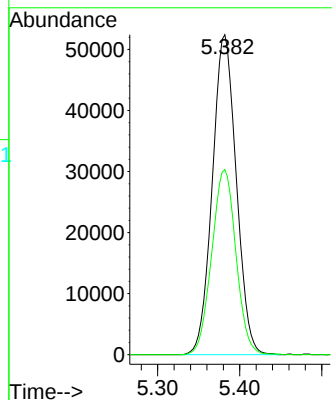
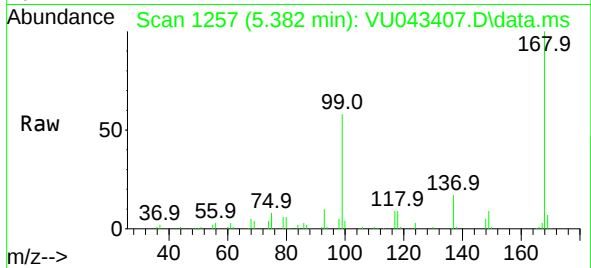




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

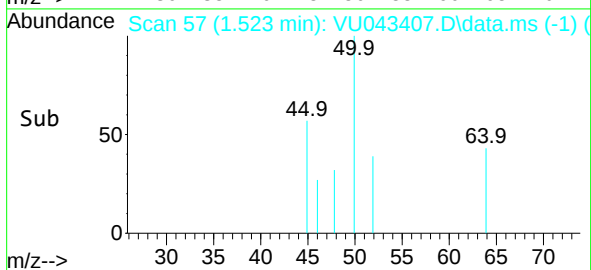
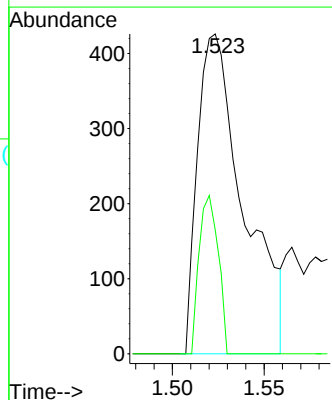
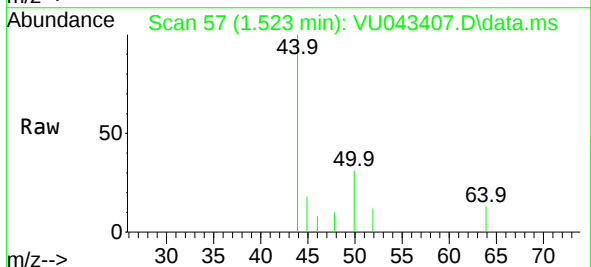
Instrument :
MSVOA_U
ClientSampleId :

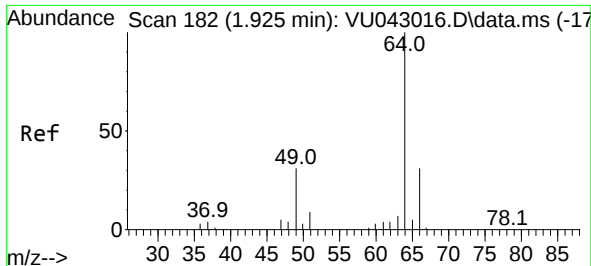
Tgt Ion:168 Resp: 106474
Ion Ratio Lower Upper
168 100
99 57.8 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

Tgt Ion: 50 Resp: 744
Ion Ratio Lower Upper
50 100
52 38.7 26.6 40.0

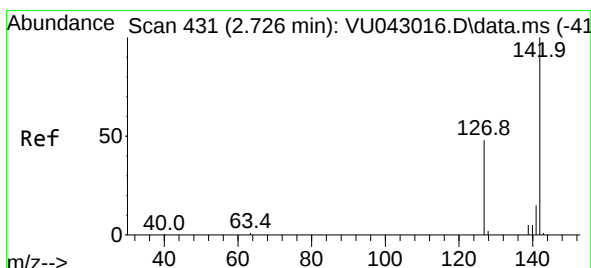
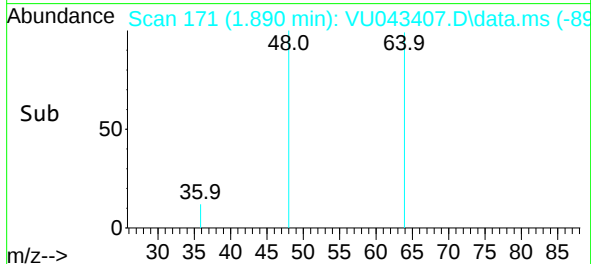
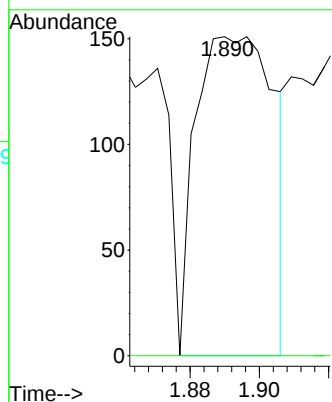
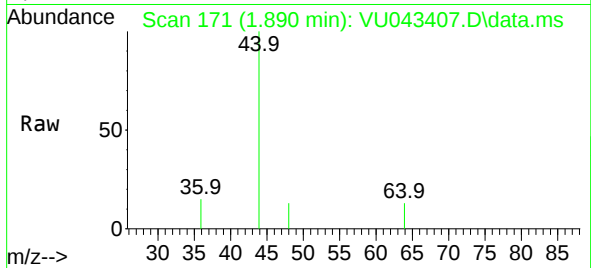




#6
Chloroethane
Concen: 0.25 ug/l
RT: 1.890 min Scan# 171
Delta R.T. -0.035 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

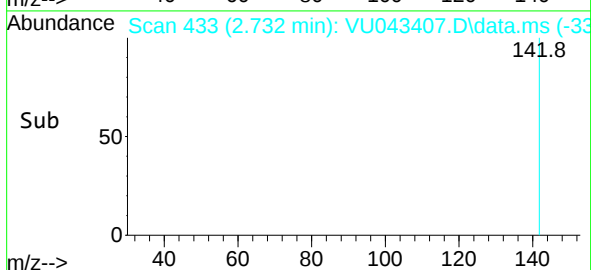
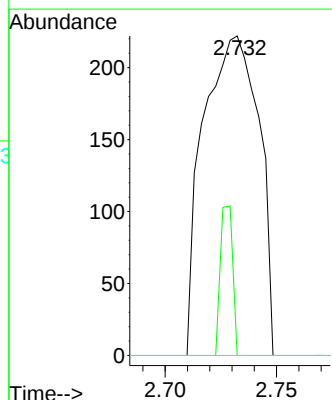
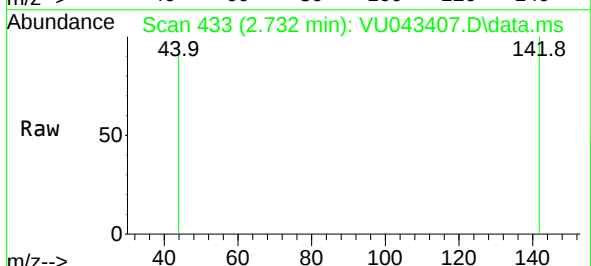
Instrument :
MSVOA_U
ClientSampled :

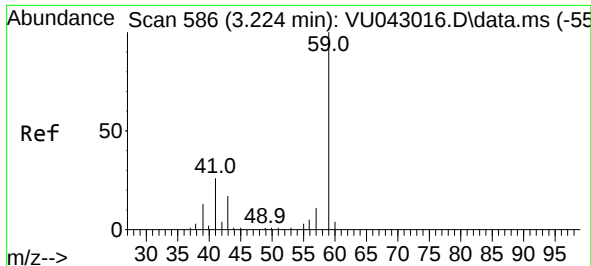
Tgt Ion: 64 Resp: 236
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#10
Methyl Iodide
Concen: 0.28 ug/l
RT: 2.732 min Scan# 433
Delta R.T. 0.006 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

Tgt Ion: 142 Resp: 385
Ion Ratio Lower Upper
142 100
127 10.4 37.8 56.6#
141 0.0 11.8 17.6#

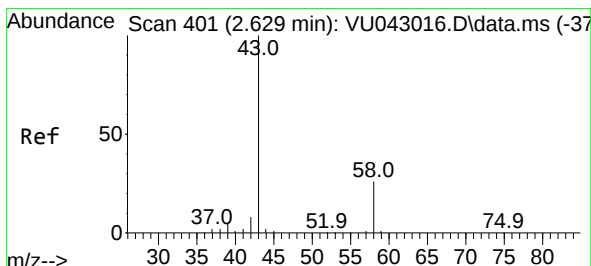
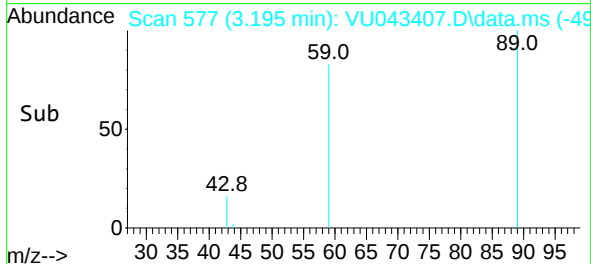
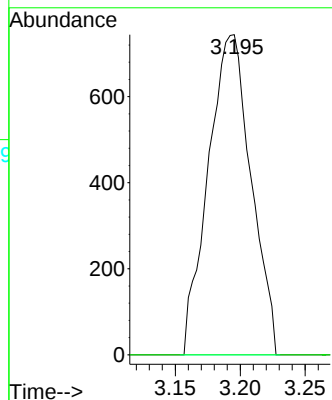
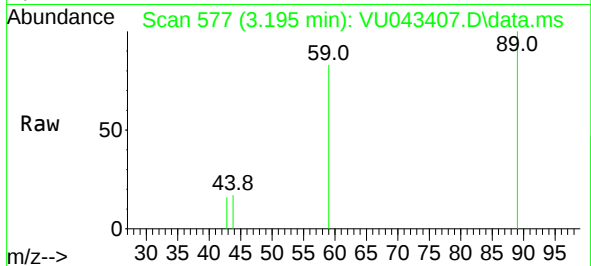




#11
Tert butyl alcohol
Concen: 3.71 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.029 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

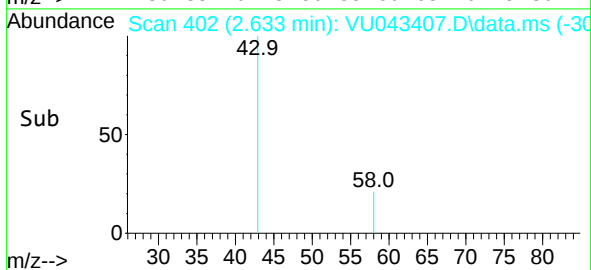
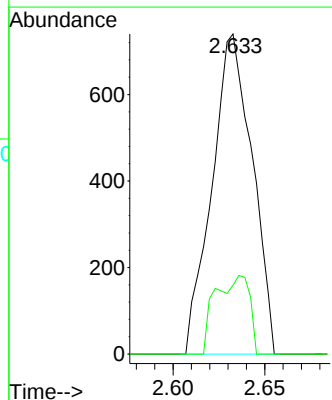
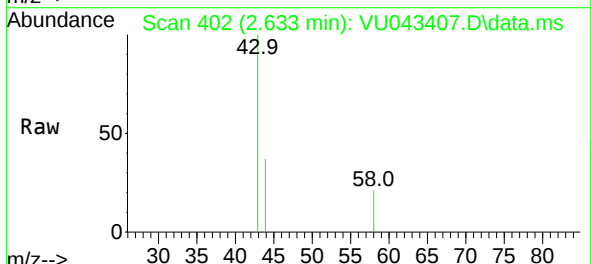
Instrument :
MSVOA_U
ClientSampleId :

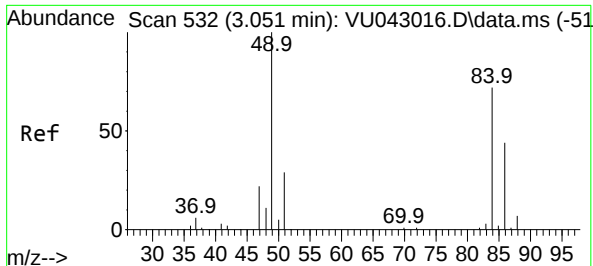
Tgt Ion: 59 Resp: 1711
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



#16
Acetone
Concen: 0.77 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

Tgt Ion: 43 Resp: 1129
Ion Ratio Lower Upper
43 100
58 21.5 21.5 32.3#





#20

Methylene Chloride

Concen: 0.34 ug/l

RT: 3.054 min Scan# 533

Delta R.T. 0.003 min

Lab File: VU043407.D

Acq: 29 Apr 2021 00:10

Tgt Ion: 84 Resp: 428

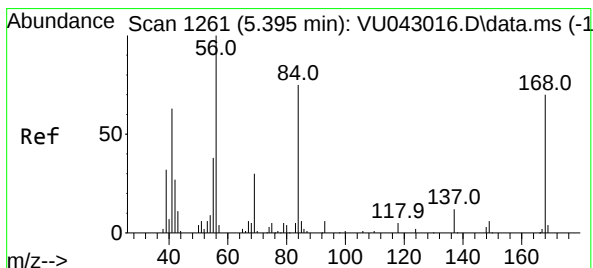
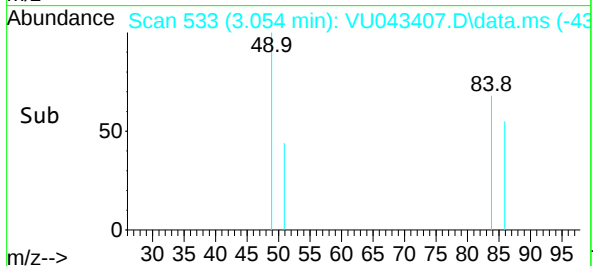
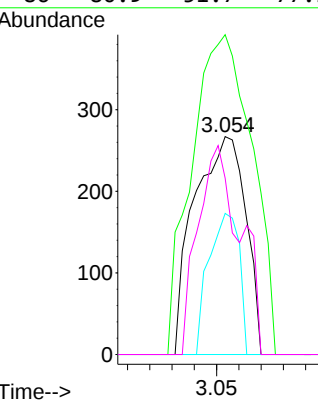
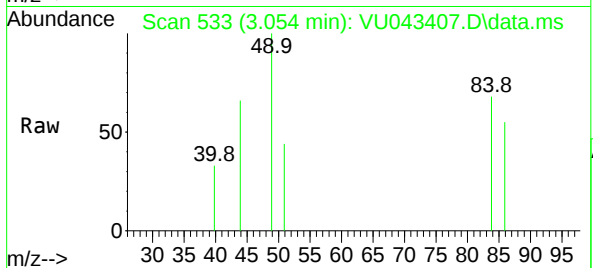
Ion Ratio Lower Upper

84 100

49 146.8 112.6 169.0

51 64.8 33.7 50.5#

86 80.9 51.7 77.5#



#31

Cyclohexane

Concen: 1.25 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.013 min

Lab File: VU043407.D

Acq: 29 Apr 2021 00:10

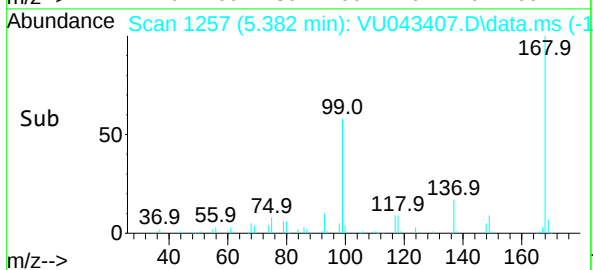
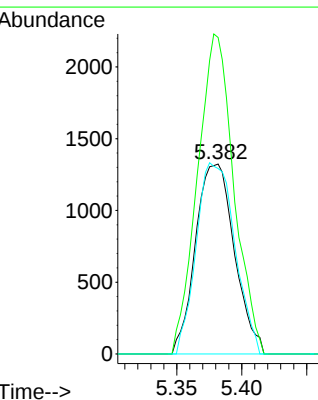
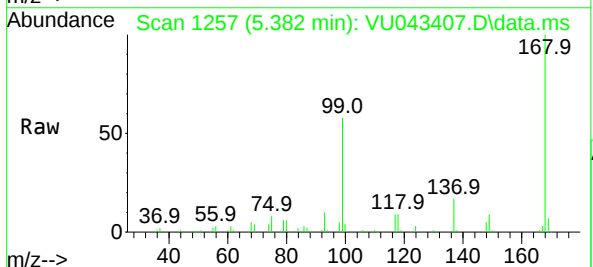
Tgt Ion: 56 Resp: 2756

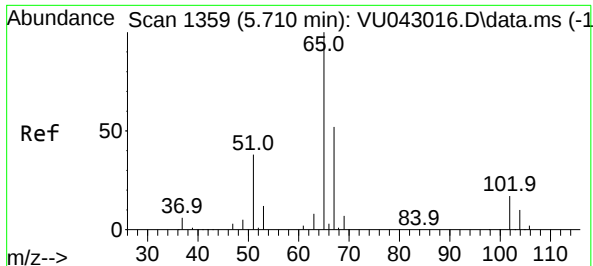
Ion Ratio Lower Upper

56 100

69 166.7 24.9 37.3#

84 97.7 63.7 95.5#





#33

1,2-Dichloroethane-d4

Concen: 56.89 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043407.D

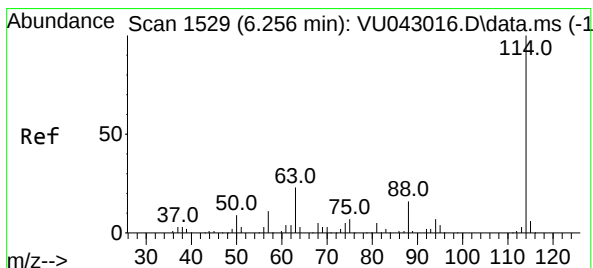
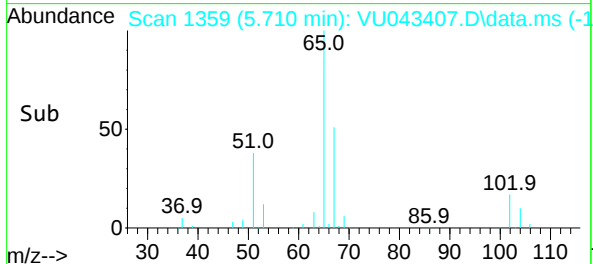
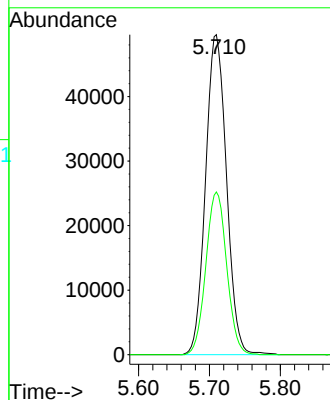
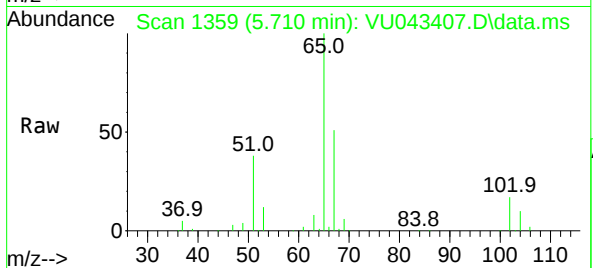
Acq: 29 Apr 2021 00:10

Tgt Ion: 65 Resp: 101820

Ion Ratio Lower Upper

65 100

67 50.7 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: VU043407.D

Acq: 29 Apr 2021 00:10

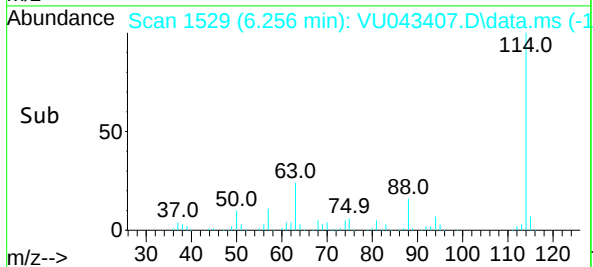
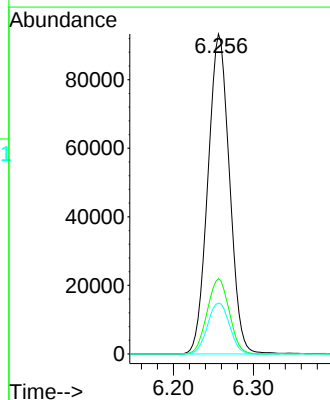
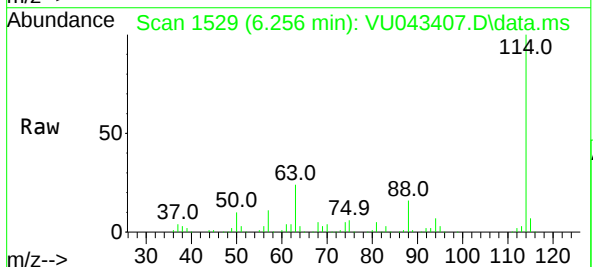
Tgt Ion: 114 Resp: 174924

Ion Ratio Lower Upper

114 100

63 23.5 0.0 44.2

88 15.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.23 ug/l

RT: 5.295 min Scan# 1230

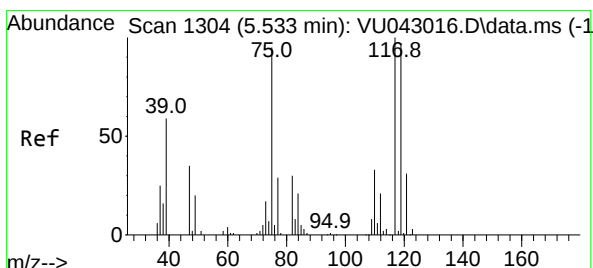
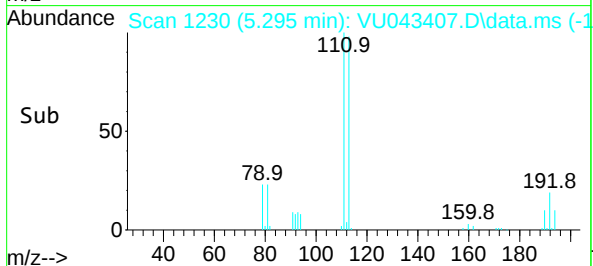
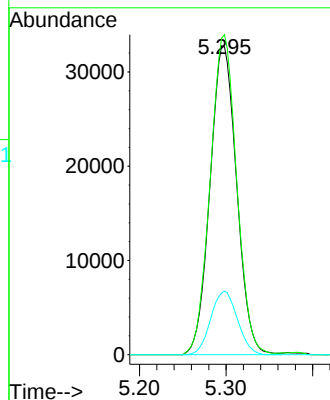
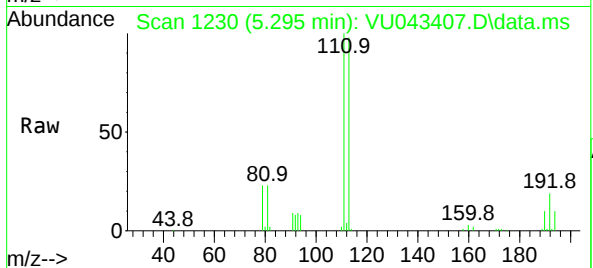
Delta R.T. -0.003 min

Lab File: VU043407.D

Acq: 29 Apr 2021 00:10

Tgt Ion:113	Resp:	69967
Ion Ratio	Lower	Upper
113	100	
111	103.0	81.8 122.8
192	20.6	17.2 25.8

Instrument :
MSVOA_U
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.85 ug/l

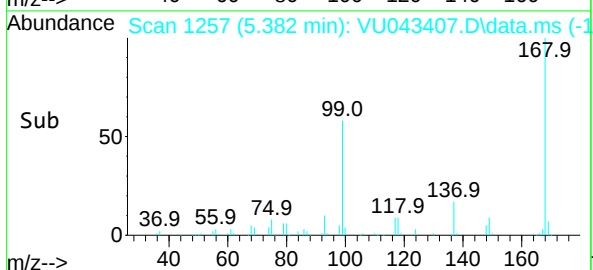
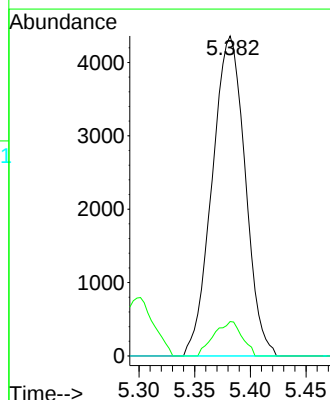
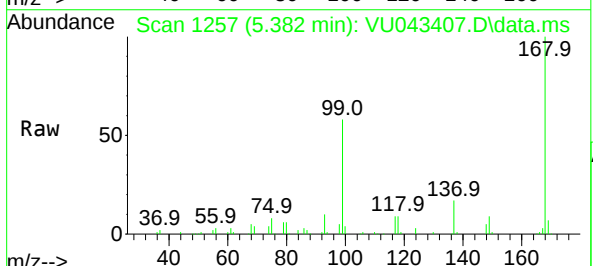
RT: 5.382 min Scan# 1257

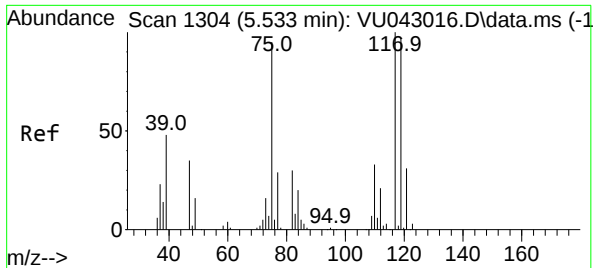
Delta R.T. -0.151 min

Lab File: VU043407.D

Acq: 29 Apr 2021 00:10

Tgt Ion: 75	Resp:	8991
Ion Ratio	Lower	Upper
75	100	
110	9.2	16.8 50.3#
77	0.0	24.8 37.2#

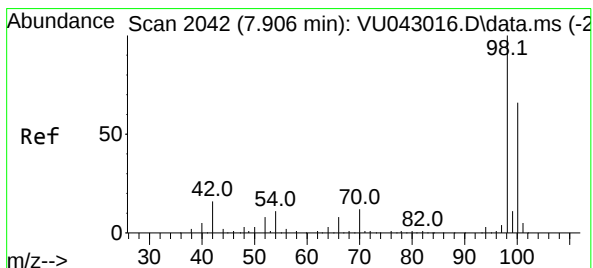
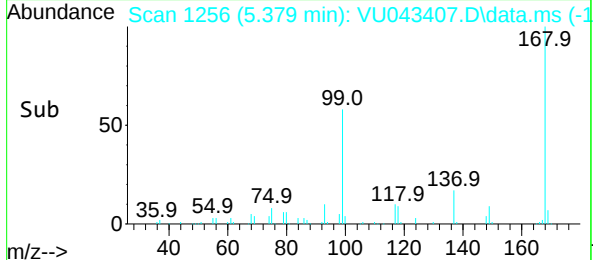
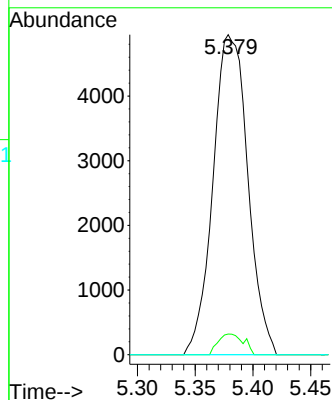
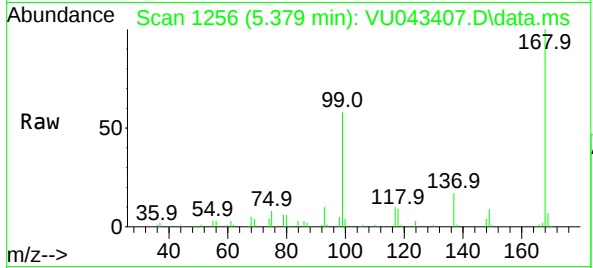




#38
Carbon Tetrachloride
Concen: 5.22 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

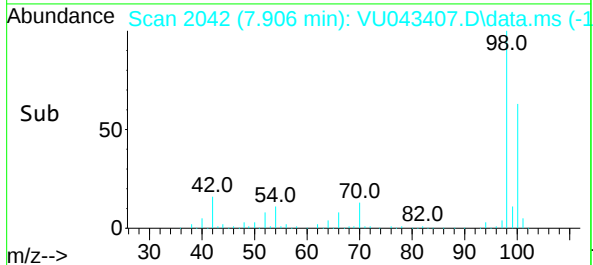
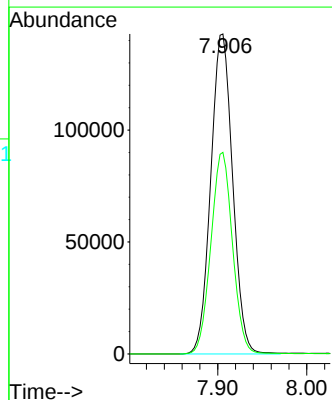
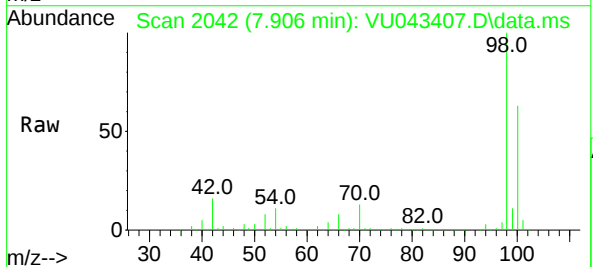
Instrument :
MSVOA_U
ClientSampleId :

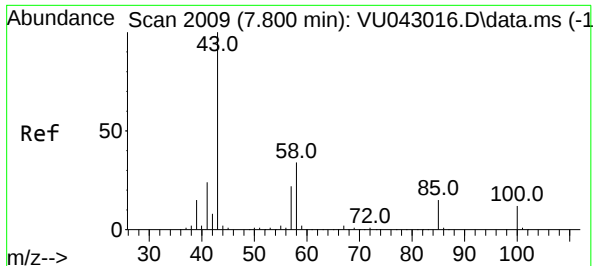
Tgt Ion:117 Resp: 10383
Ion Ratio Lower Upper
117 100
119 6.4 75.5 113.3#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 52.38 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

Tgt Ion: 98 Resp: 243637
Ion Ratio Lower Upper
98 100
100 62.4 50.2 75.2

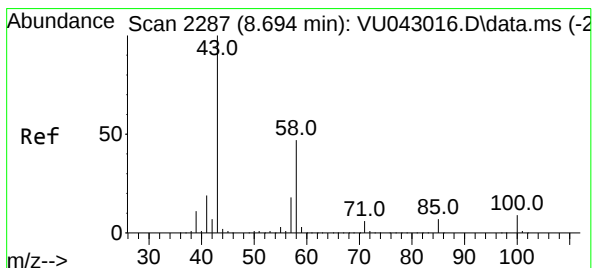
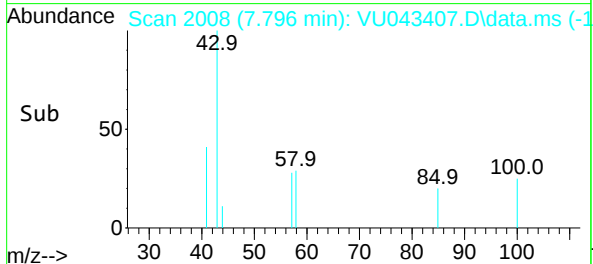
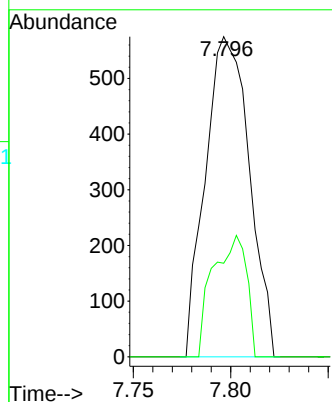
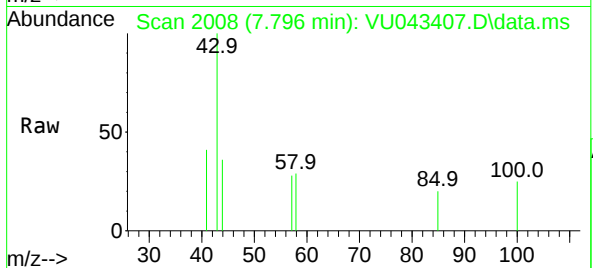




#51
4-Methyl-2-Pentanone
Concen: 0.27 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

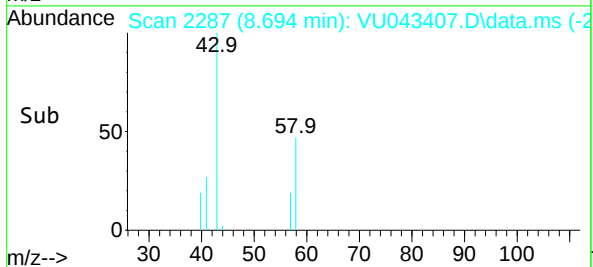
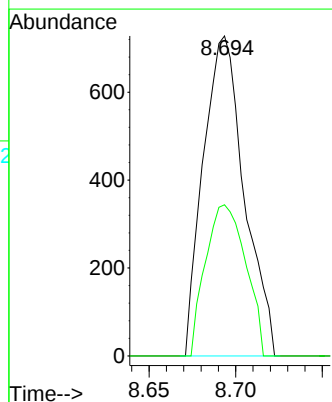
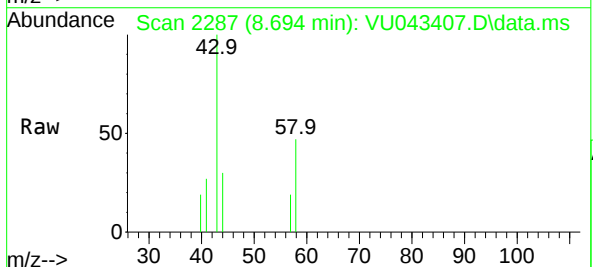
Instrument :
MSVOA_U
ClientSampled :

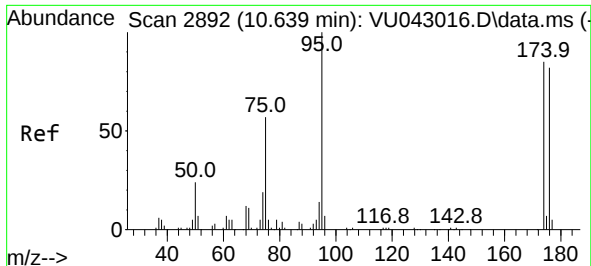
Tgt Ion: 43 Resp: 903
Ion Ratio Lower Upper
43 100
58 28.9 28.1 42.1



#59
2-Hexanone
Concen: 0.43 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. -0.001 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

Tgt Ion: 43 Resp: 1197
Ion Ratio Lower Upper
43 100
58 46.2 24.0 72.0

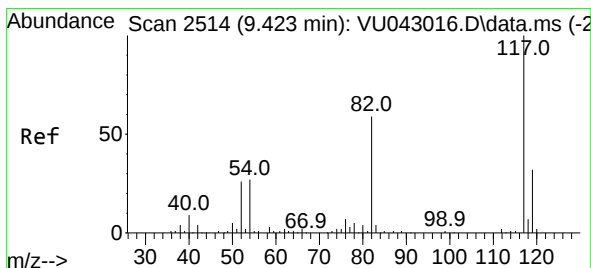
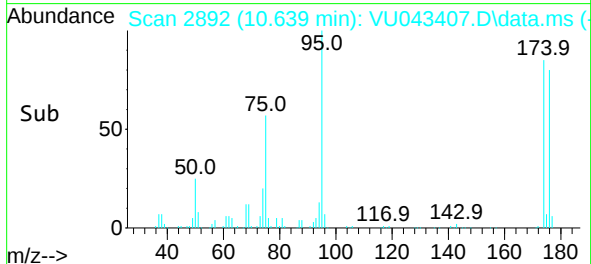
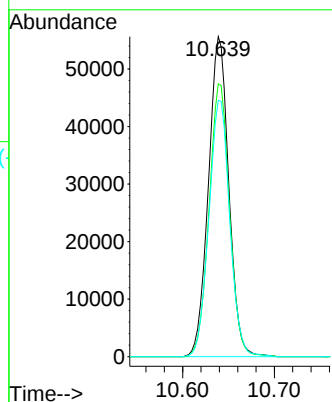
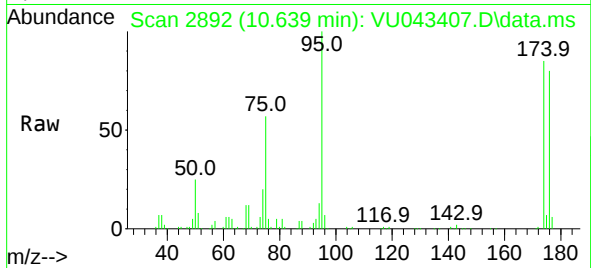




#62
4-Bromofluorobenzene
Concen: 46.16 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

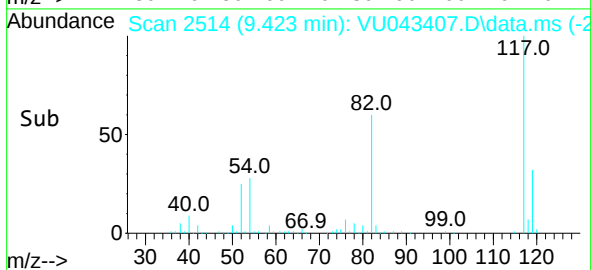
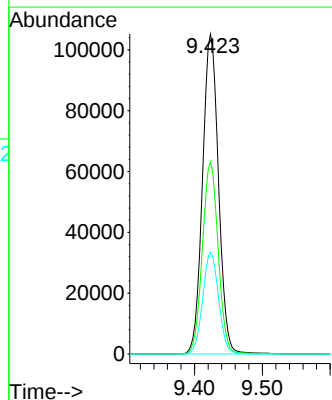
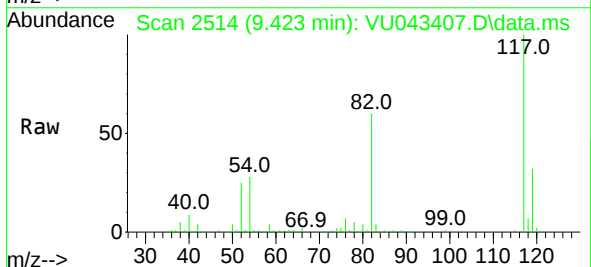
Instrument :
MSVOA_U
ClientSampleId :

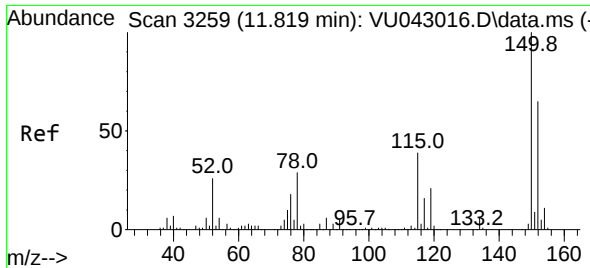
Tgt Ion: 95 Resp: 85972
Ion Ratio Lower Upper
95 100
174 85.6 0.0 172.2
176 82.0 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

Tgt Ion: 117 Resp: 172180
Ion Ratio Lower Upper
117 100
82 60.0 45.8 68.6
119 31.8 25.8 38.8

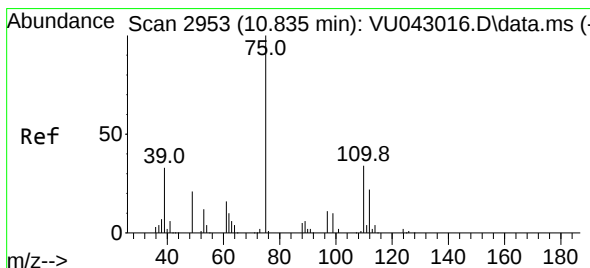
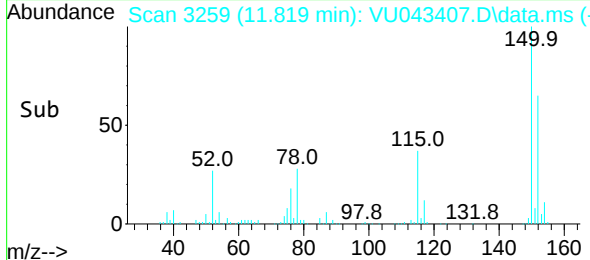
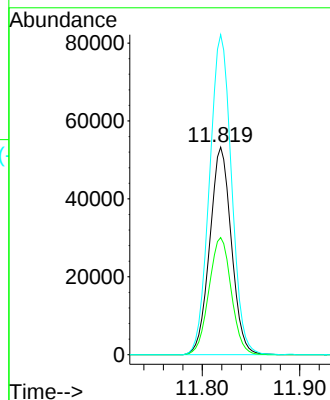
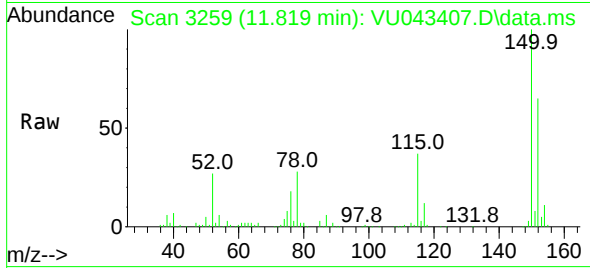




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043407.D
 Acq: 29 Apr 2021 00:10

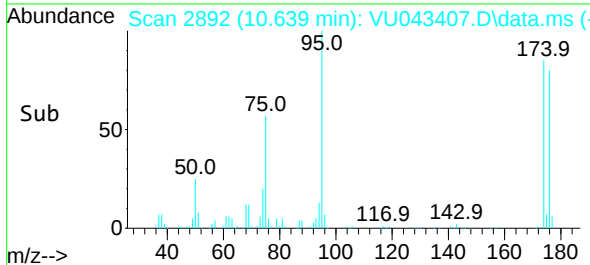
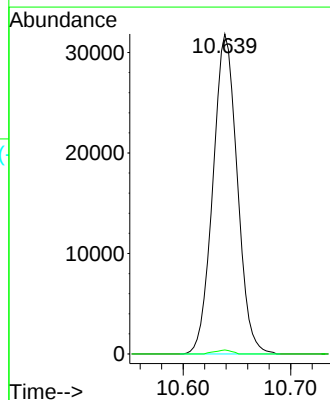
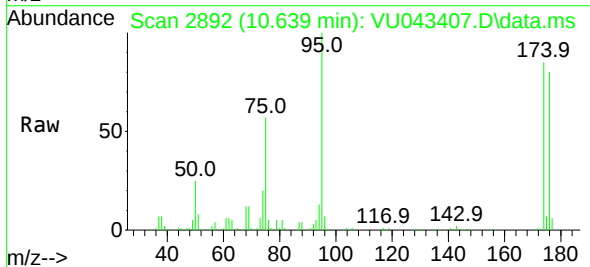
Instrument :
 MSVOA_U
 ClientSampled :

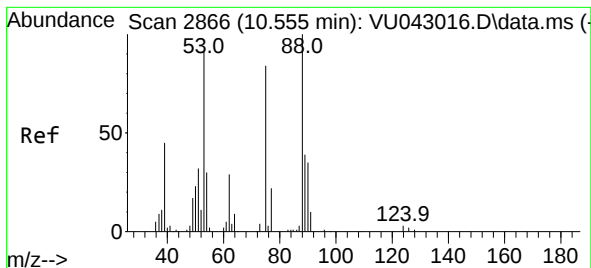
Tgt Ion:152 Resp: 82217
 Ion Ratio Lower Upper
 152 100
 115 58.1 41.5 124.6
 150 156.9 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 20.80 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.196 min
 Lab File: VU043407.D
 Acq: 29 Apr 2021 00:10

Tgt Ion: 75 Resp: 49966
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.2 60.5#

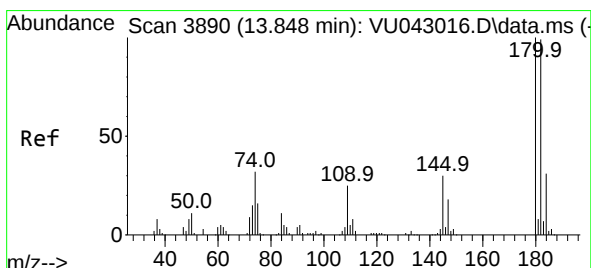
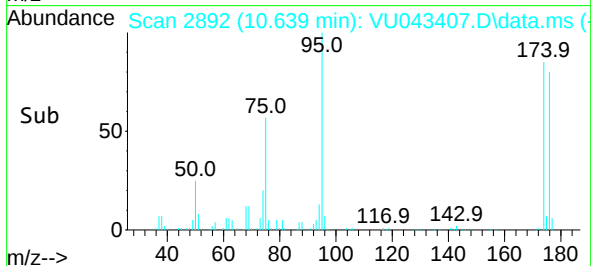
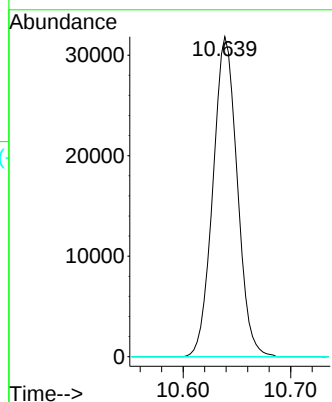
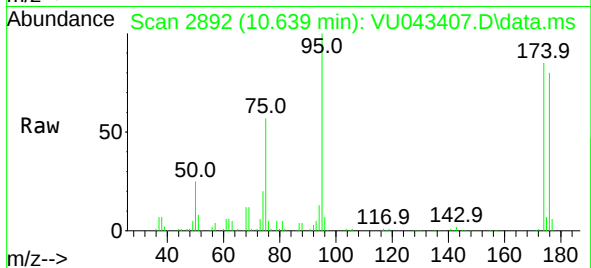




#81
trans-1,4-Dichloro-2-butene
Concen: 61.11 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

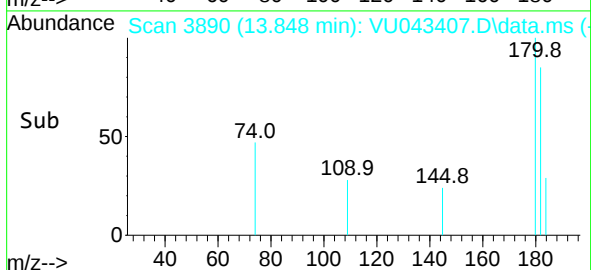
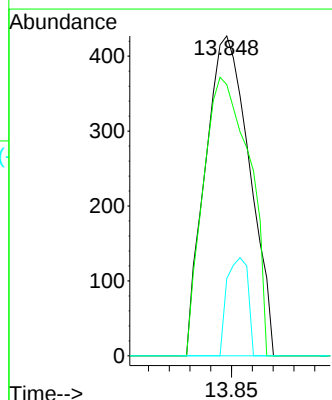
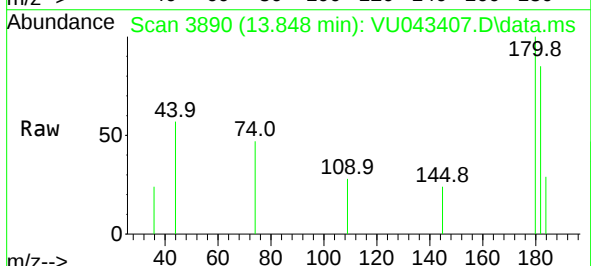
Instrument :
MSVOA_U
ClientSampleId :

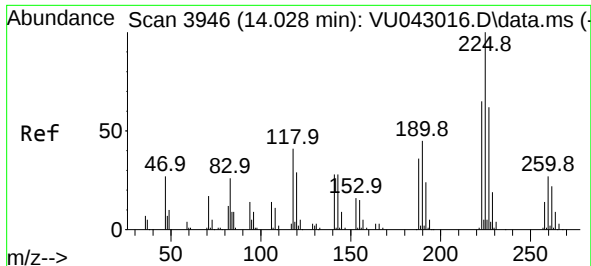
Tgt Ion: 75 Resp: 49966
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#



#93
1,2,4-Trichlorobenzene
Concen: 1.83 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

Tgt Ion:180 Resp: 629
Ion Ratio Lower Upper
180 100
182 91.3 46.9 140.8
145 14.6 14.4 43.4

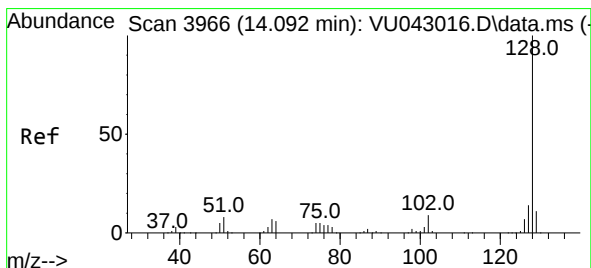
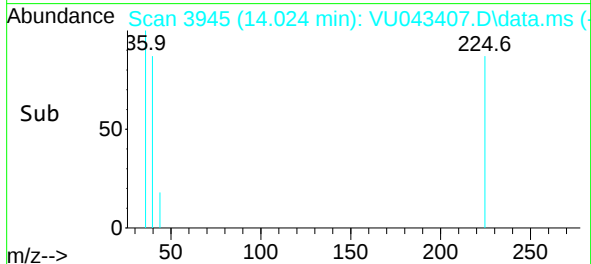
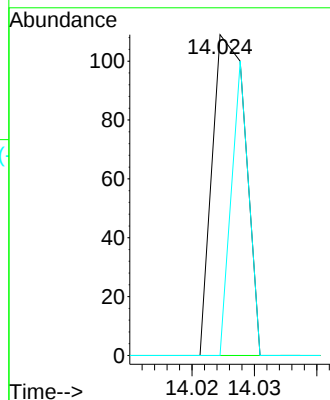
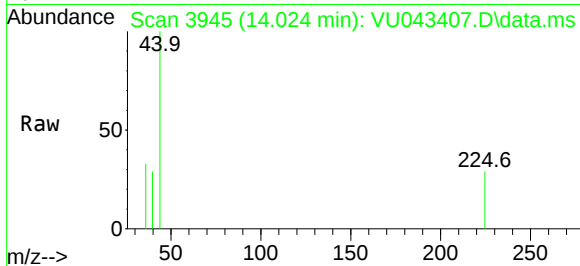




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 14.024 min Scan# 3945
Delta R.T. -0.004 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

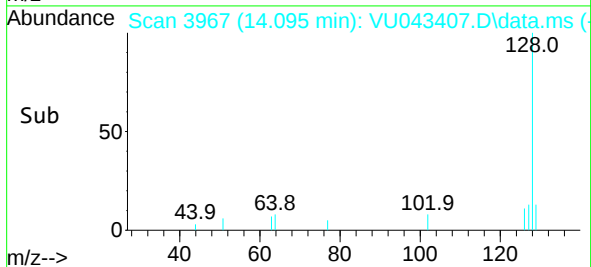
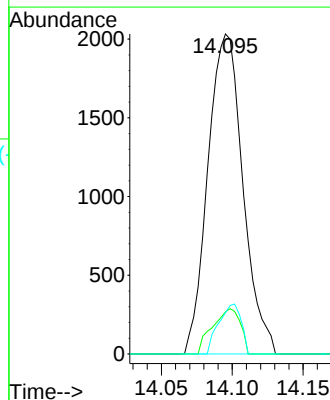
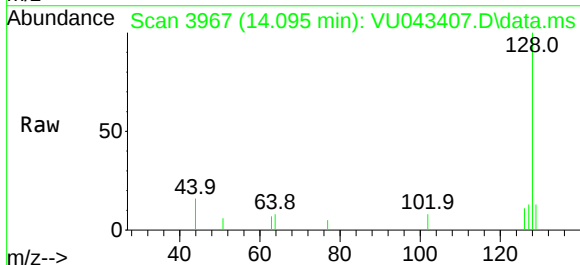
Instrument :
MSVOA_U
ClientSampleId :

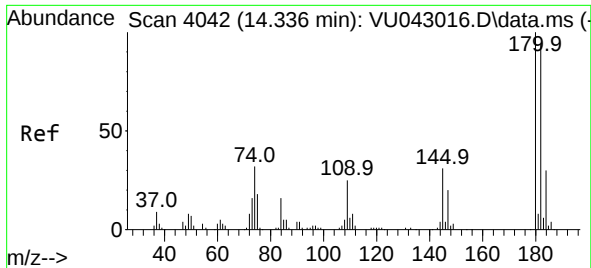
Tgt Ion:	225	Resp:	40
Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.3	96.9#
227	47.5	31.8	95.4



#95
Naphthalene
Concen: 3.30 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043407.D
Acq: 29 Apr 2021 00:10

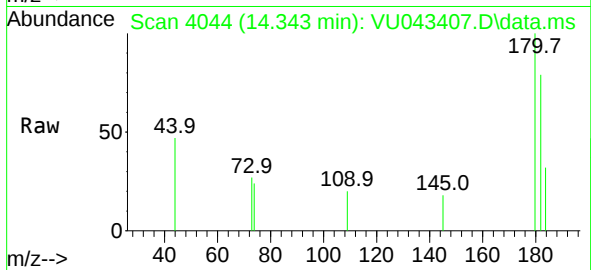
Tgt Ion:	128	Resp:	3496
Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.8	16.2
129	10.0	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.95 ug/l
 RT: 14.343 min Scan# 4044
 Delta R.T. 0.007 min
 Lab File: VU043407.D
 Acq: 29 Apr 2021 00:10

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 917
 Ion Ratio Lower Upper
 180 100
 182 72.0 48.0 144.0
 145 20.1 15.5 46.5

