

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022221\
 Data File : VU042386.D
 Acq On : 22 Feb 2021 11:59
 Operator : SY/MD
 Sample : M1442-03 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 22 13:37:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 19 02:55:52 2021
 Response via : Initial Calibration

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

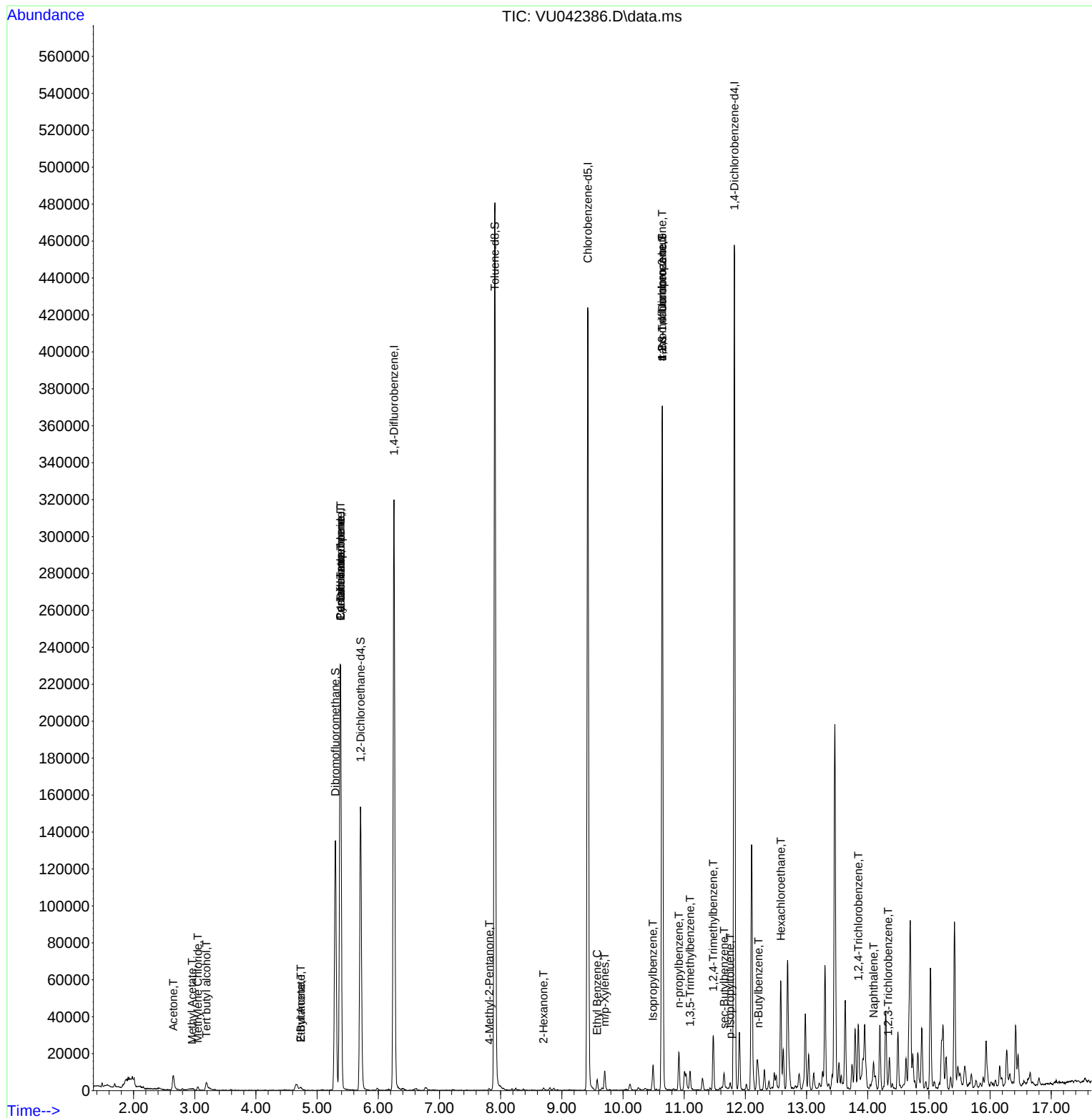
Internal Standards						
1) Pentafluorobenzene	5.382	168	164073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	247381	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	225612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.822	152	111948	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	119251	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
35) Dibromofluoromethane	5.298	113	82467	47.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.46%	
50) Toluene-d8	7.906	98	302658	48.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	10.642	95	114118	46.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.60%	
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.189	59	2935	5.52	ug/l #	94
16) Acetone	2.649	43	11454	7.42	ug/l	99
18) Methyl Acetate	2.957	43	862	0.31	ug/l #	55
20) Methylene Chloride	3.047	84	861	0.48	ug/l #	77
25) 2-Butanone	4.732	43	3192	1.56	ug/l	98
31) Cyclohexane	5.382	56	4098	1.26	ug/l #	26
36) 1,1-Dichloropropene	5.382	75	13384	5.47	ug/l #	50
37) Ethyl Acetate	4.732	43	3192	0.84	ug/l #	71
38) Carbon Tetrachloride	5.382	117	15799	6.04	ug/l #	16
51) 4-Methyl-2-Pentanone	7.816	43	954	0.25	ug/l	89
59) 2-Hexanone	8.700	43	1198	0.40	ug/l	90
67) Ethyl Benzene	9.578	91	4051	0.50	ug/l	93
68) m/p-Xylenes	9.703	106	2631	0.87	ug/l	93
73) Isopropylbenzene	10.491	105	8536	1.14	ug/l	97
76) 1,2,3-Trichloropropane	10.642	75	64711	23.38	ug/l #	37
78) n-propylbenzene	10.912	91	15084	1.75	ug/l	99
80) 1,3,5-Trimethylbenzene	11.095	105	5582	0.87	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.642	75	64711	63.56	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.475	105	15155	2.36	ug/l	98
85) sec-Butylbenzene	11.652	105	6234	0.85	ug/l	94
86) p-Isopropyltoluene	11.751	119	1662	0.25	ug/l	91
89) n-Butylbenzene	12.214	91	5519	0.93	ug/l #	61
90) Hexachloroethane	12.581	117	3358	2.80	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.848	180	291	1.80	ug/l #	1
95) Naphthalene	14.095	128	12019	3.74	ug/l	98
96) 1,2,3-Trichlorobenzene	14.336	180	132	1.73	ug/l #	19

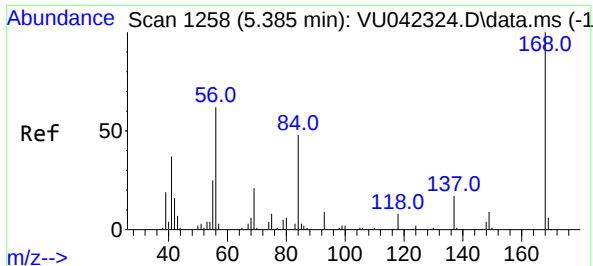
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU042386.D
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Feb 22 13:37:49 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 19 02:55:52 2021
Response via : Initial Calibration

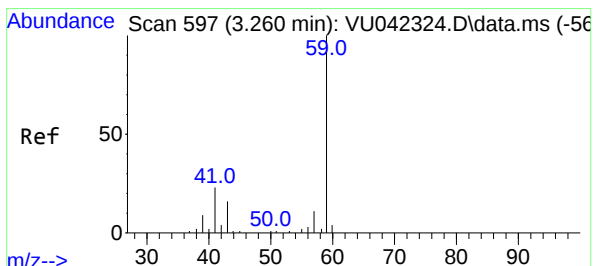
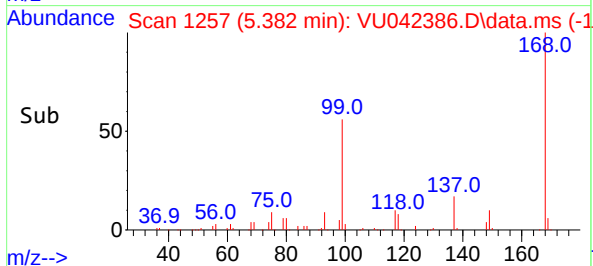
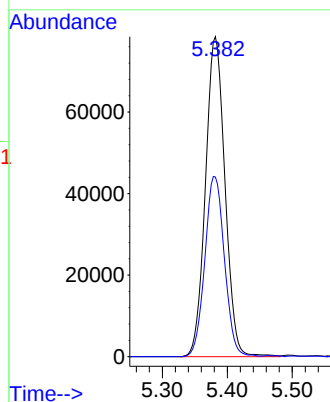
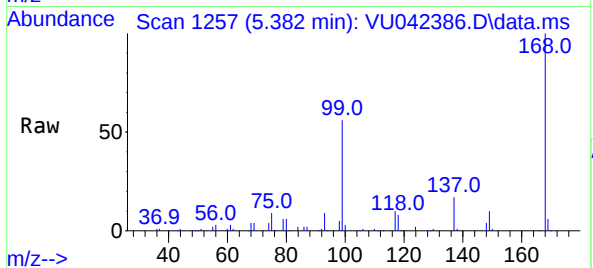




Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

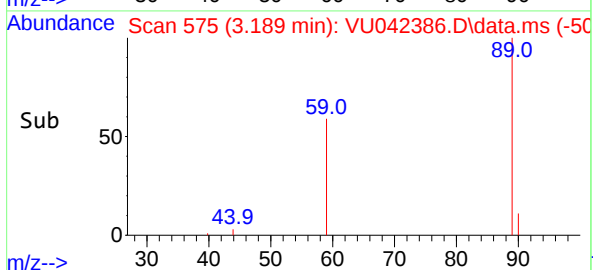
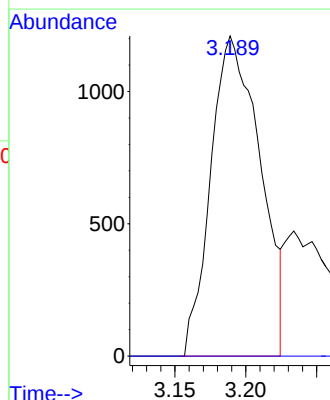
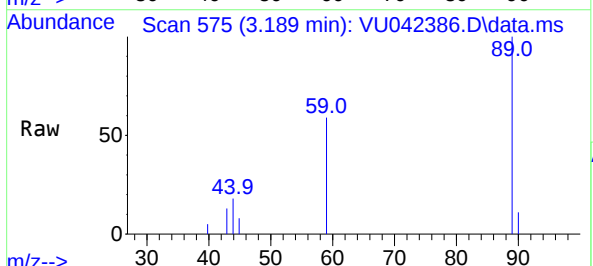
Instrument :
MSVOA_U
ClientSampleId :

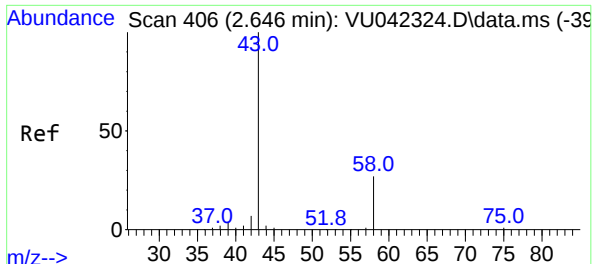
Tgt Ion:168 Resp: 164073
Ion Ratio Lower Upper
168 100
99 56.2 45.0 67.4



Tert butyl alcohol
Concen: 5.52 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.071 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Tgt Ion: 59 Resp: 2935
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#

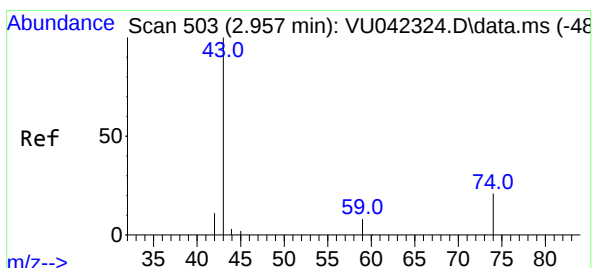
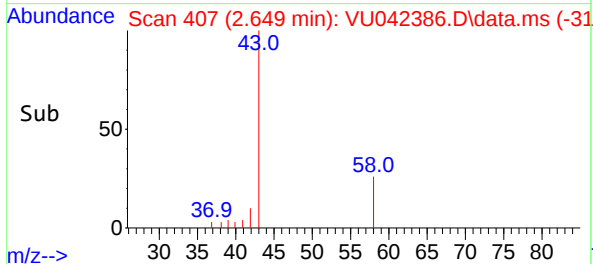
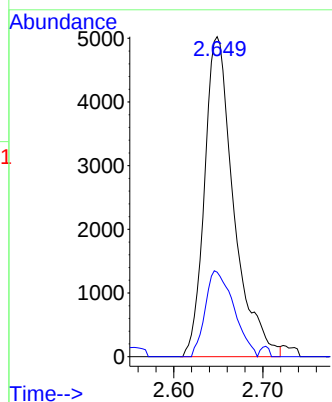
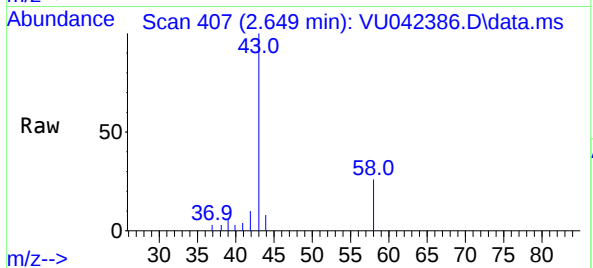




#16
Acetone
Concen: 7.42 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.003 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

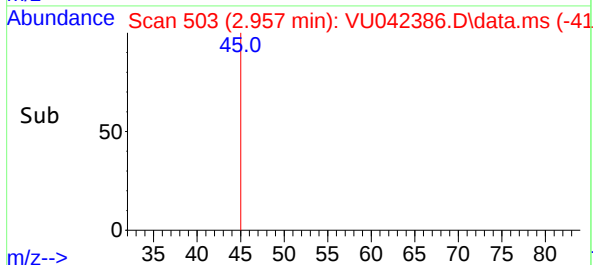
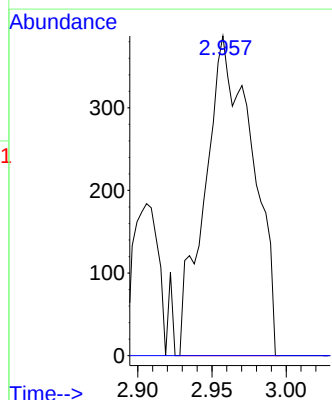
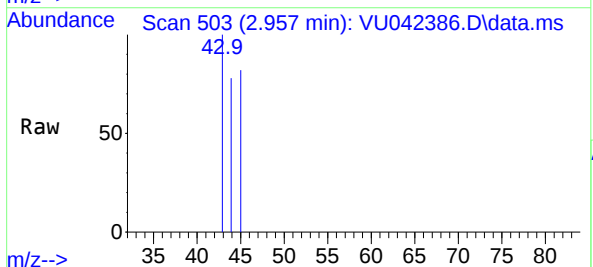
Instrument :
MSVOA_U
ClientSampled :

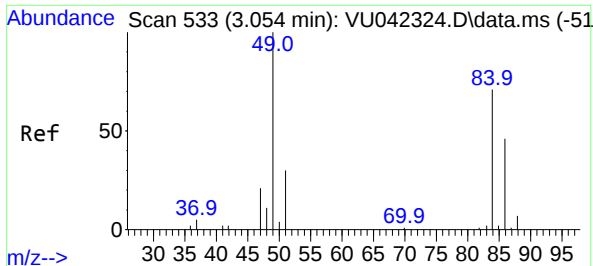
Tgt Ion: 43 Resp: 11454
Ion Ratio Lower Upper
43 100
58 26.4 21.5 32.3



#18
Methyl Acetate
Concen: 0.31 ug/l
RT: 2.957 min Scan# 503
Delta R.T. -0.000 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

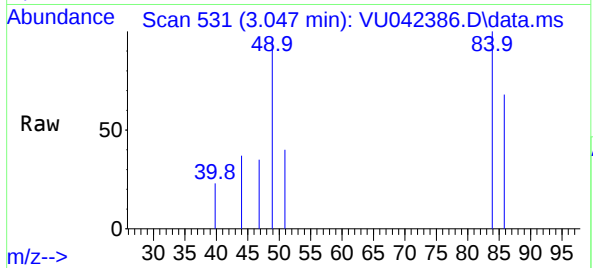
Tgt Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#





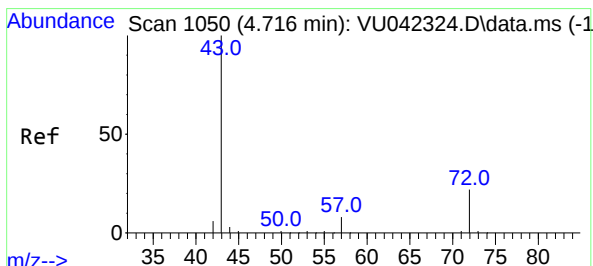
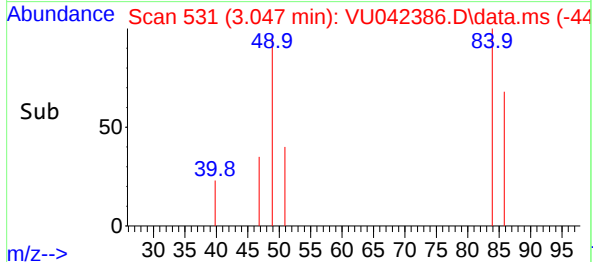
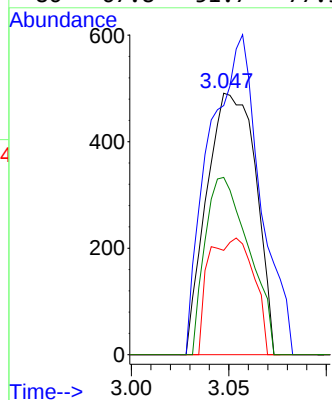
#20
Methylene Chloride
Concen: 0.48 ug/l
RT: 3.047 min Scan# 531
Delta R.T. -0.007 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 861

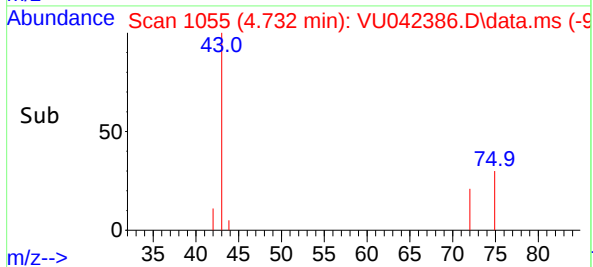
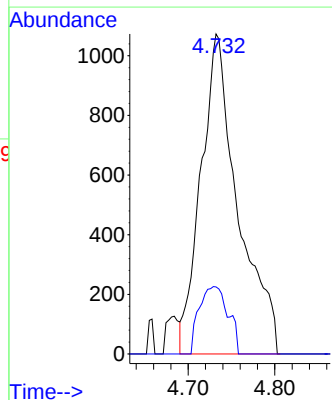
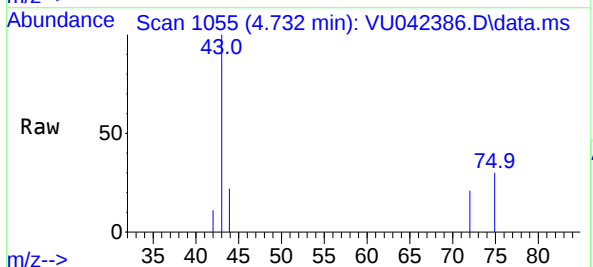
Ion	Ratio	Lower	Upper
84	100		
49	95.3	112.6	169.0#
51	39.9	33.7	50.5
86	67.8	51.7	77.5

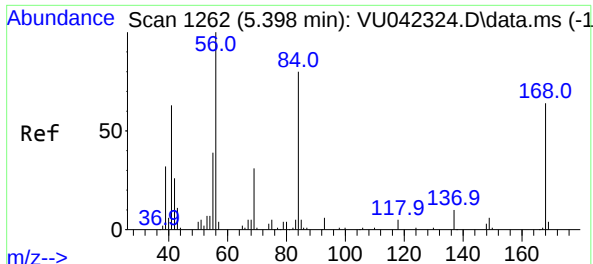


#25
2-Butanone
Concen: 1.56 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. 0.016 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Tgt Ion: 43 Resp: 3192

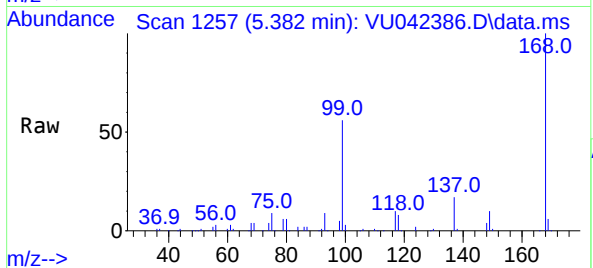
Ion	Ratio	Lower	Upper
43	100		
72	21.0	17.4	26.0



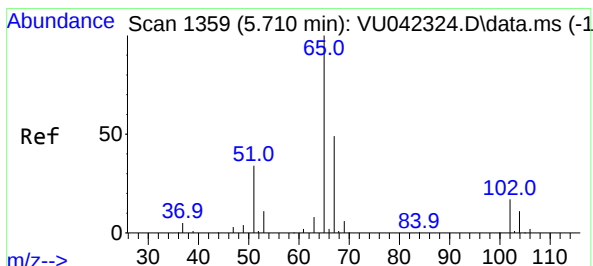
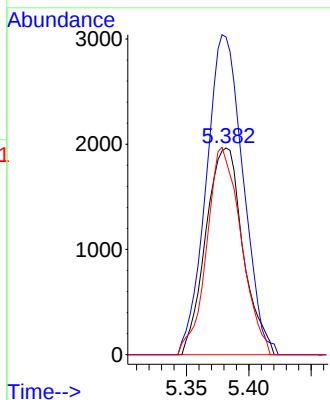
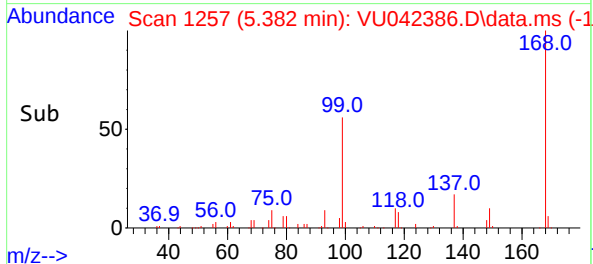


#31
Cyclohexane
Concen: 1.26 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

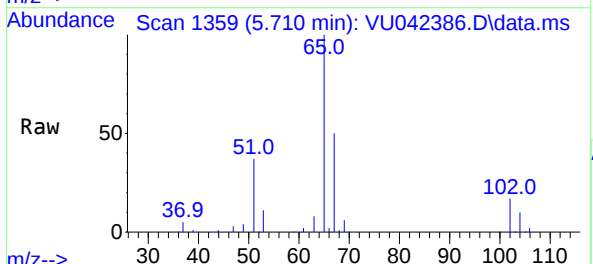
Instrument :
MSVOA_U
ClientSampled :



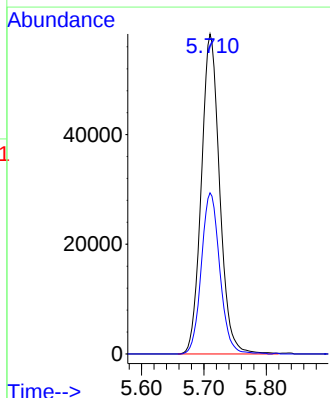
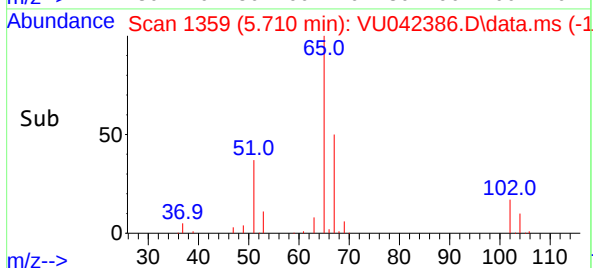
Tgt Ion: 56 Resp: 4098
Ion Ratio Lower Upper
56 100
69 153.7 24.9 37.3#
84 93.9 63.7 95.5

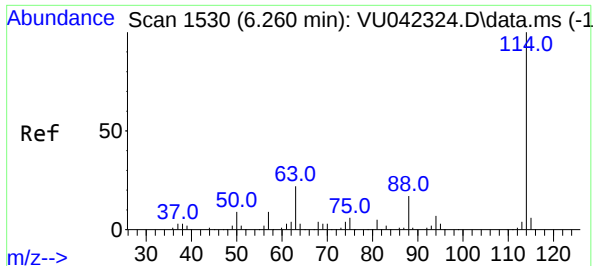


#33
1,2-Dichloroethane-d4
Concen: 47.93 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59



Tgt Ion: 65 Resp: 119251
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.8



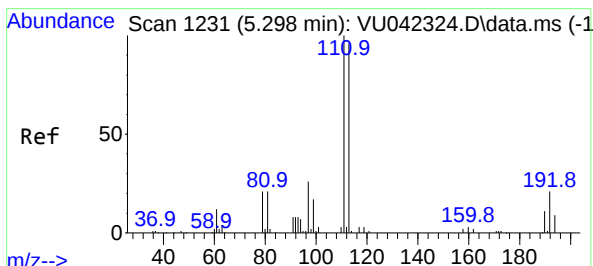
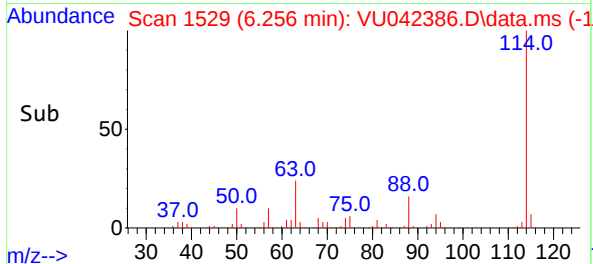
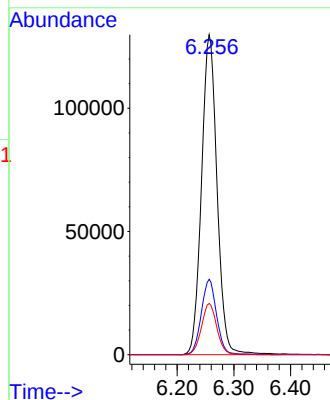
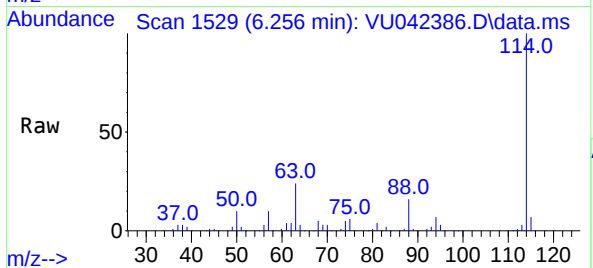


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. -0.003 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Instrument :
MSVOA_U
ClientSampleId :

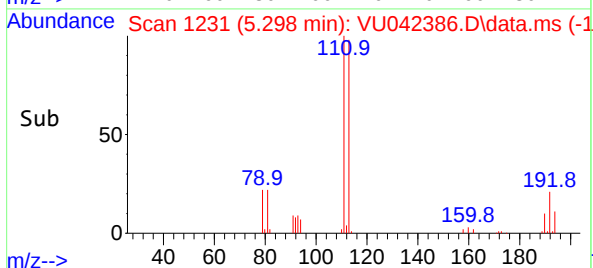
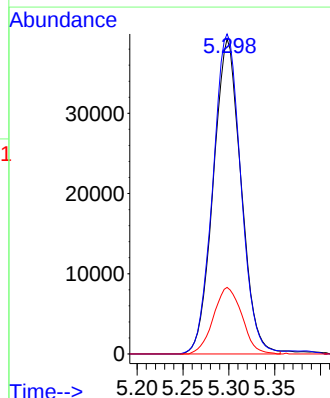
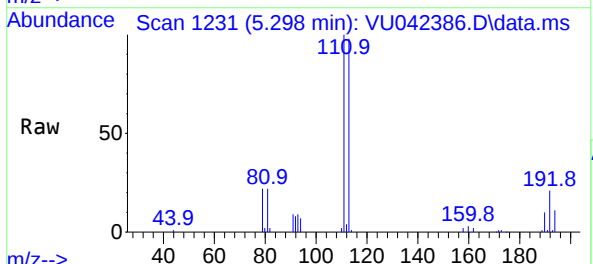
Tgt Ion:114 Resp: 247381
Ion Ratio Lower Upper
114 100
63 23.6 0.0 44.2
88 16.0 0.0 33.4

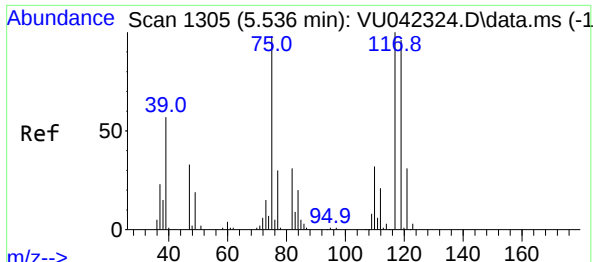


#35

Dibromofluoromethane
Concen: 47.23 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

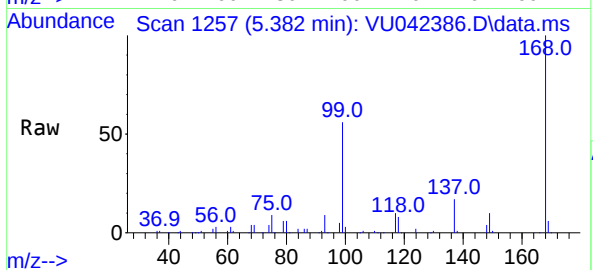
Tgt Ion:113 Resp: 82467
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 21.8 17.2 25.8



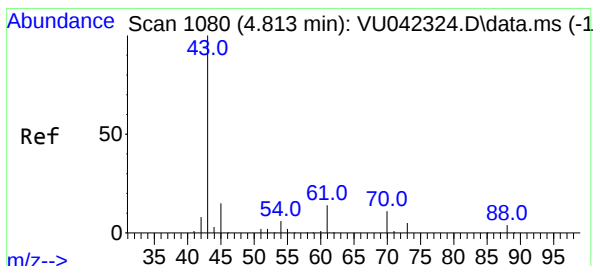
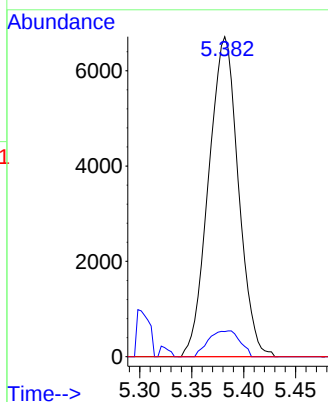
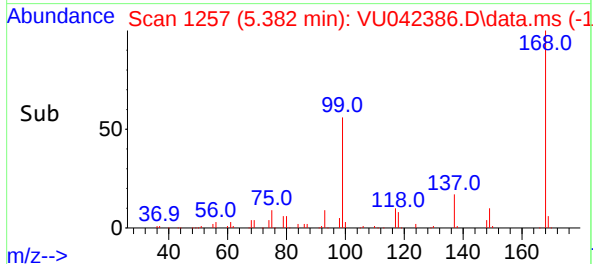


#36
1,1-Dichloropropene
Concen: 5.47 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.154 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

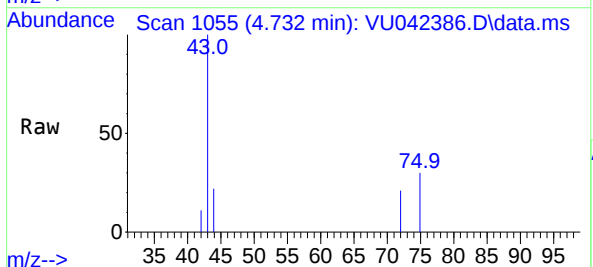
Instrument :
MSVOA_U
ClientSampleId :



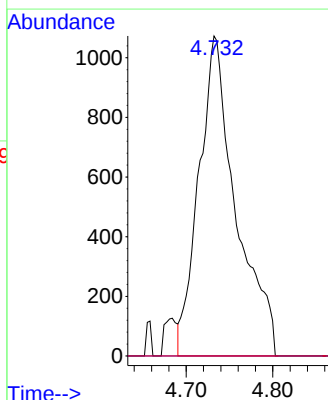
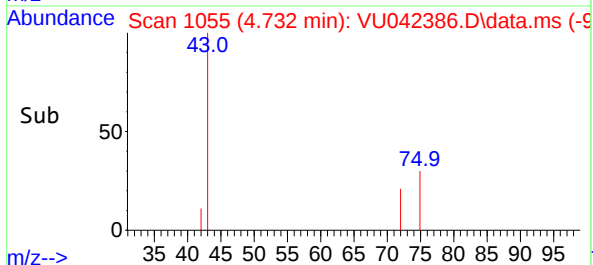
Tgt Ion: 75 Resp: 13384
Ion Ratio Lower Upper
75 100
110 8.5 16.8 50.3#
77 0.0 24.8 37.2#

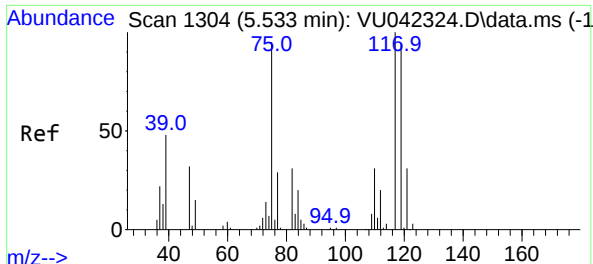


#37
Ethyl Acetate
Concen: 0.84 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. -0.081 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59



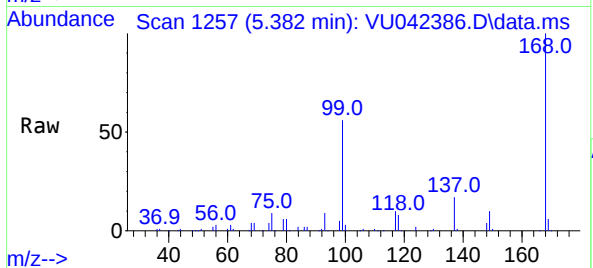
Tgt Ion: 43 Resp: 3192
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.2 10.8#



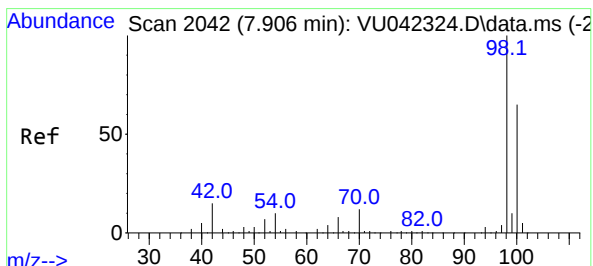
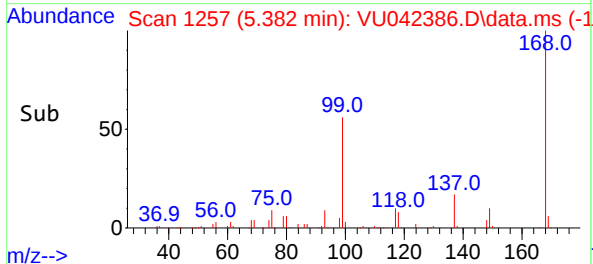
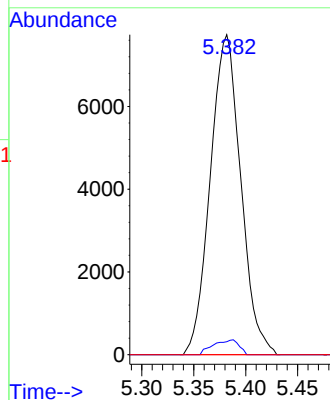


#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Instrument :
MSVOA_U
ClientSampled :

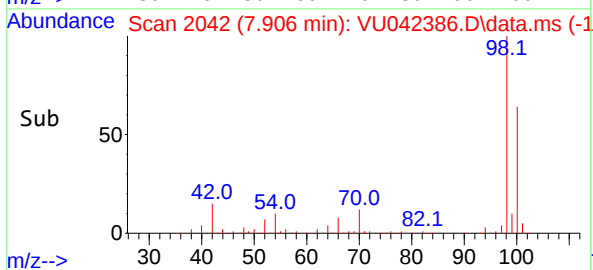
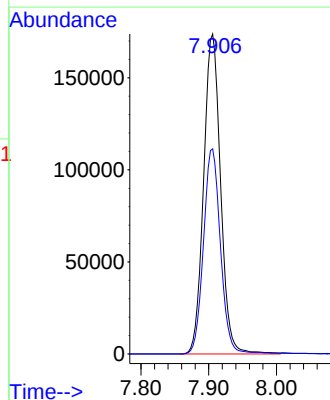
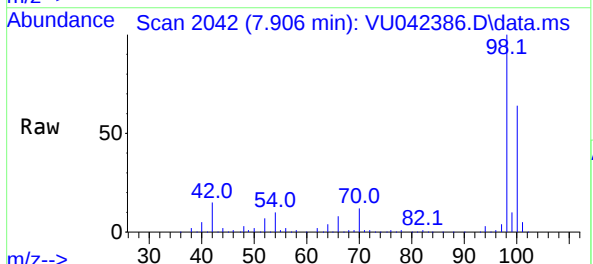


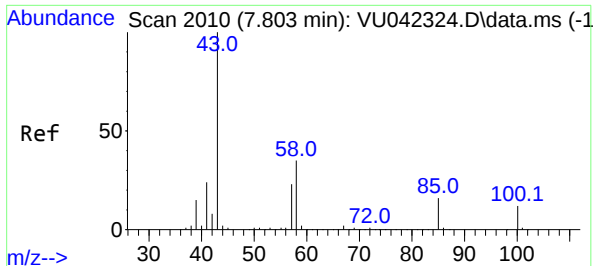
Tgt Ion:117 Resp: 15799
Ion Ratio Lower Upper
117 100
119 4.1 75.5 113.3#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.40 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Tgt Ion: 98 Resp: 302658
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2

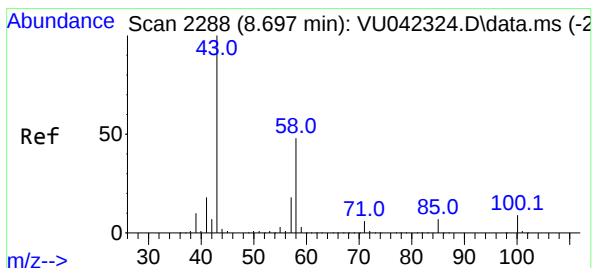
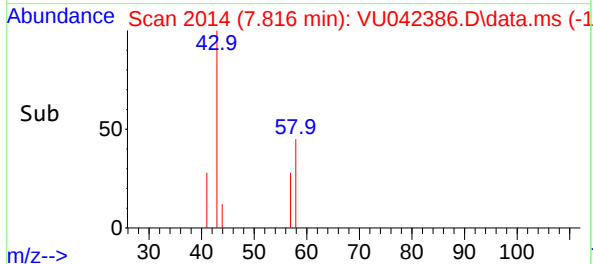
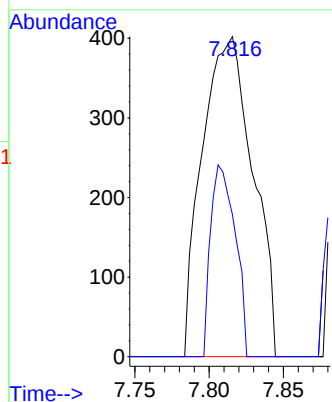
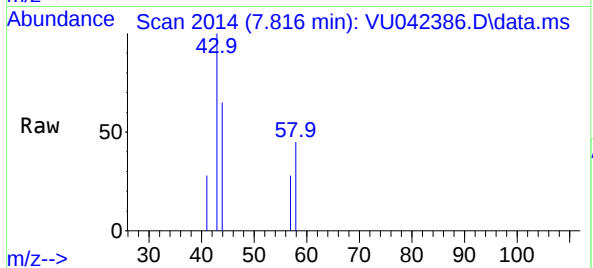




#51
4-Methyl-2-Pentanone
Concen: 0.25 ug/l
RT: 7.816 min Scan# 2014
Delta R.T. 0.013 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

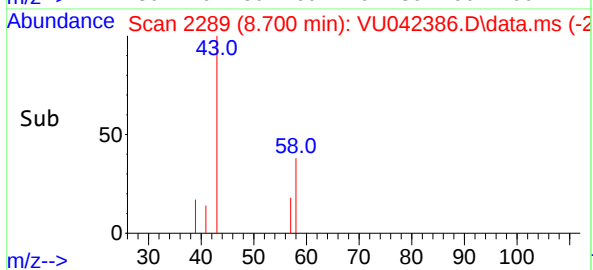
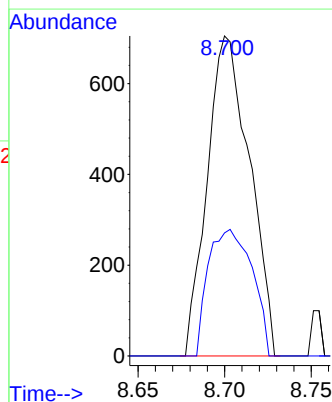
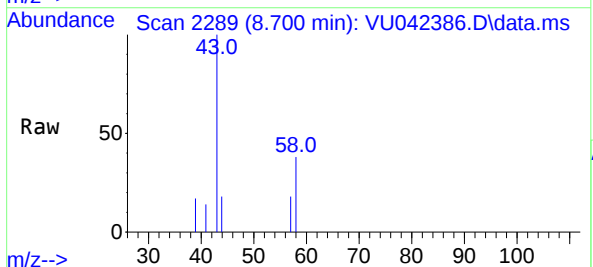
Instrument :
MSVOA_U
ClientSampled :

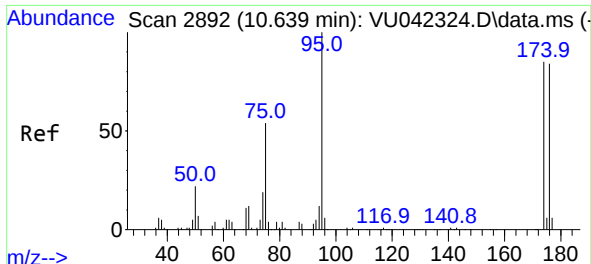
Tgt Ion: 43 Resp: 954
Ion Ratio Lower Upper
43 100
58 28.9 28.1 42.1



#59
2-Hexanone
Concen: 0.40 ug/l
RT: 8.700 min Scan# 2289
Delta R.T. 0.003 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Tgt Ion: 43 Resp: 1198
Ion Ratio Lower Upper
43 100
58 41.0 24.0 72.0

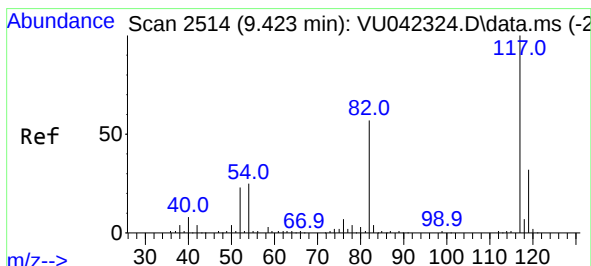
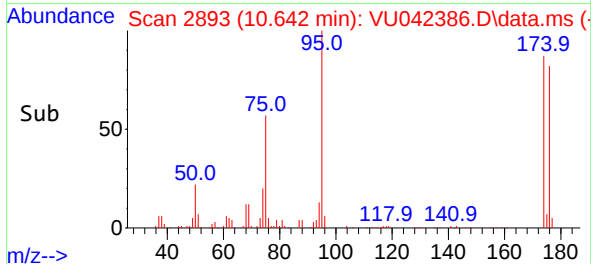
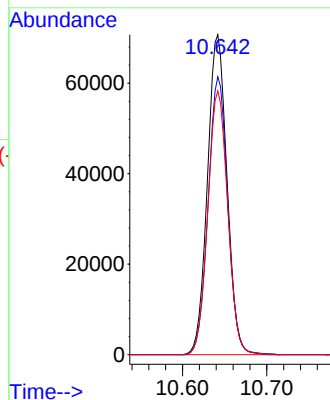
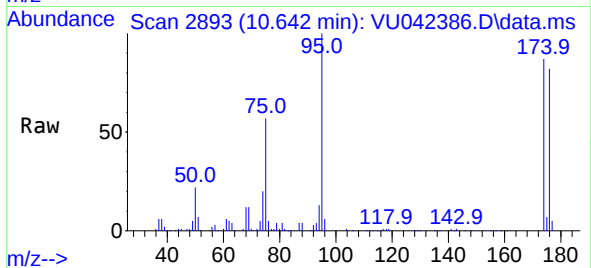




#62
4-Bromofluorobenzene
Concen: 46.30 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.003 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

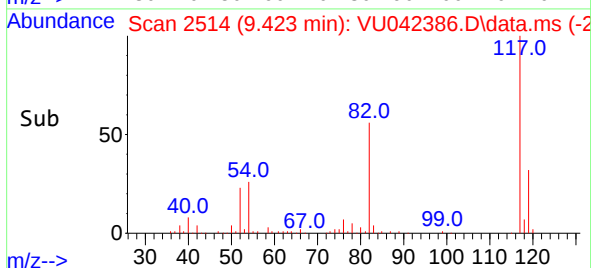
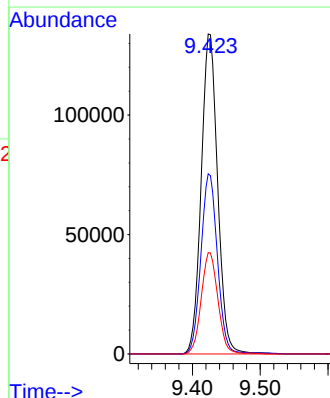
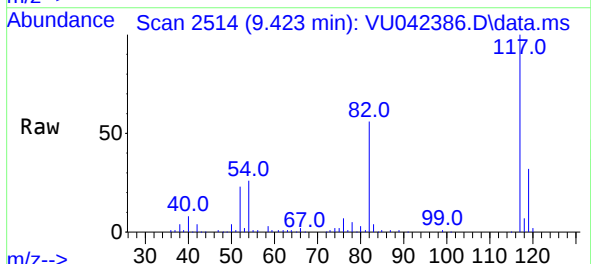
Instrument :
MSVOA_U
ClientSampled :

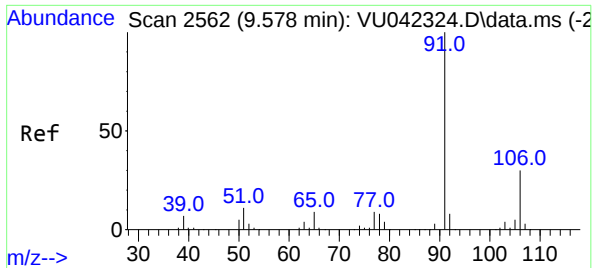
Tgt Ion: 95 Resp: 114118
Ion Ratio Lower Upper
95 100
174 86.8 0.0 172.2
176 83.8 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Tgt Ion: 117 Resp: 225612
Ion Ratio Lower Upper
117 100
82 56.3 45.8 68.6
119 31.6 25.8 38.8

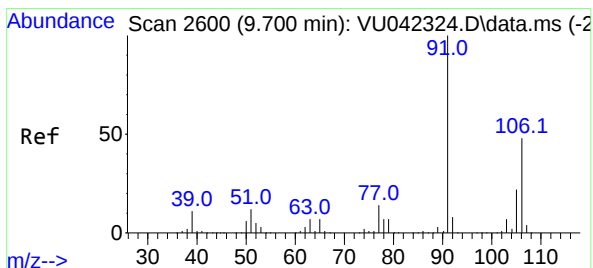
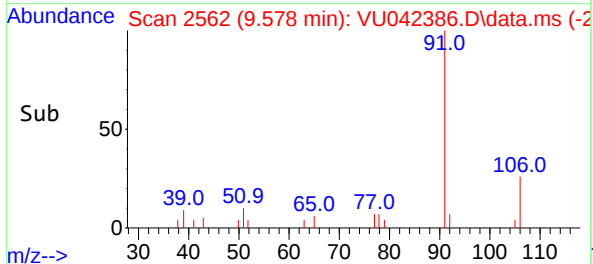
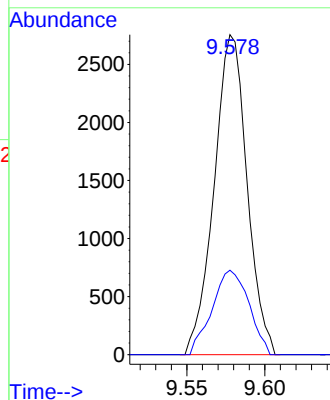
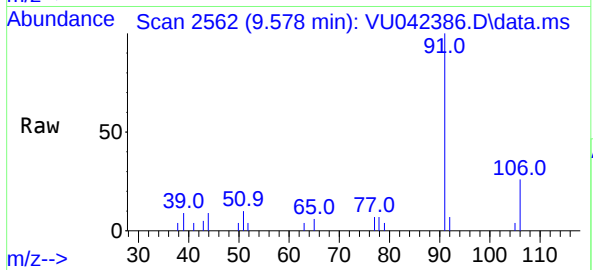




#67
Ethyl Benzene
Concen: 0.50 ug/l
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

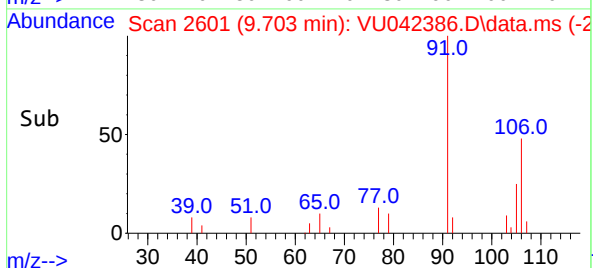
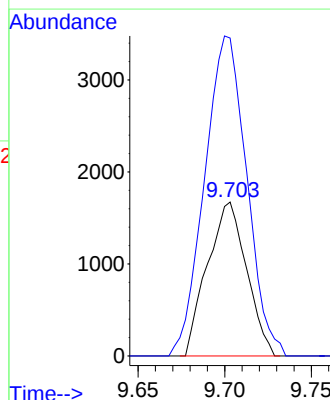
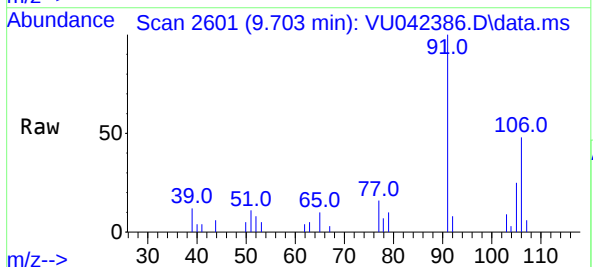
Instrument :
MSVOA_U
ClientSampled :

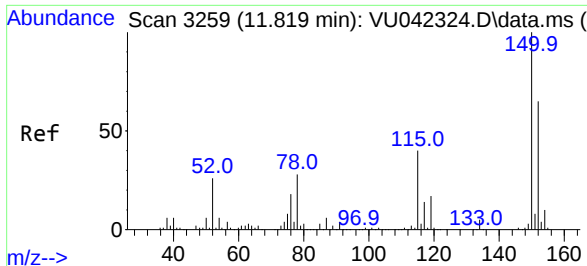
Tgt Ion: 91 Resp: 4051
Ion Ratio Lower Upper
91 100
106 26.4 24.1 36.1



#68
m/p-Xylenes
Concen: 0.87 ug/l
RT: 9.703 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Tgt Ion:106 Resp: 2631
Ion Ratio Lower Upper
106 100
91 223.6 169.9 254.9

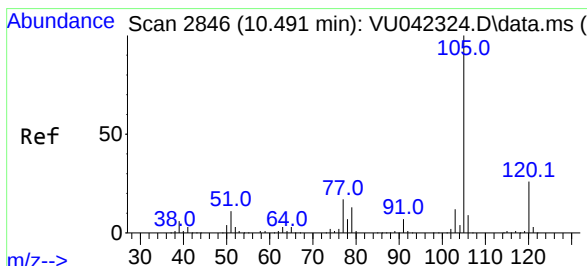
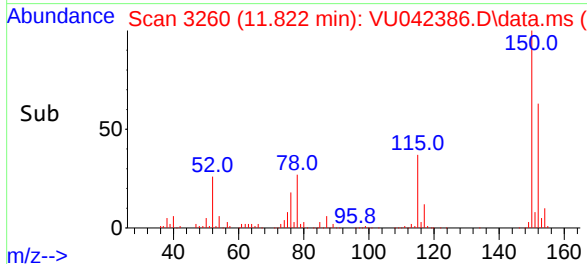
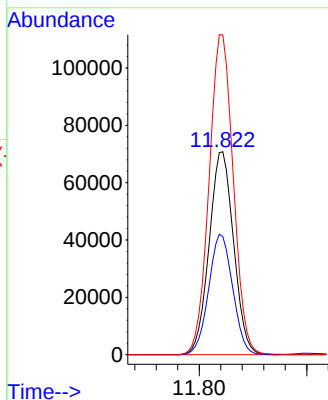
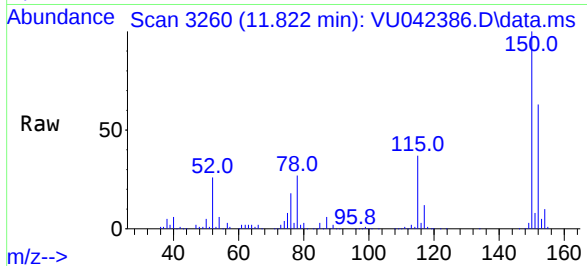




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.822 min Scan# 3260
Delta R.T. 0.003 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

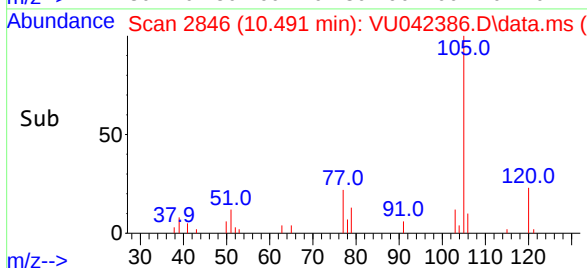
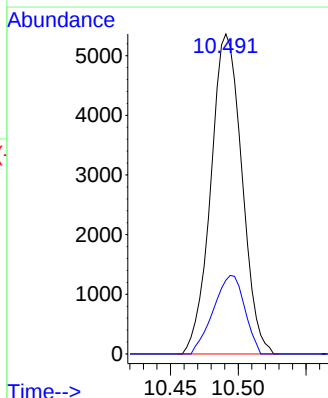
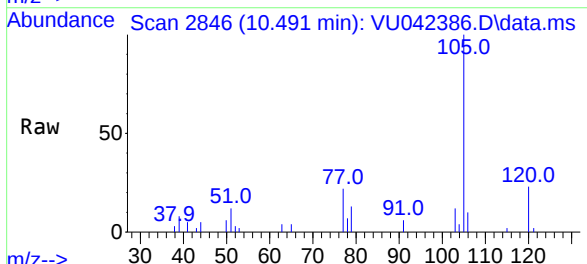
Instrument :
MSVOA_U
ClientSampleId :

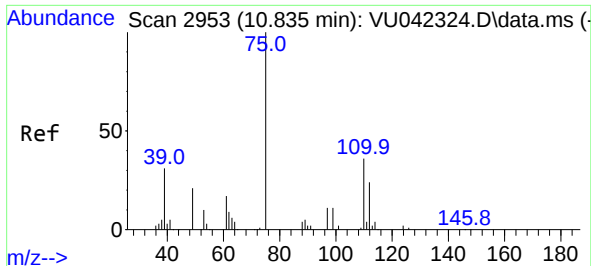
Tgt Ion:152 Resp: 111948
Ion Ratio Lower Upper
152 100
115 58.2 41.5 124.6
150 155.8 0.0 342.4



#73
Isopropylbenzene
Concen: 1.14 ug/l
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Tgt Ion:105 Resp: 8536
Ion Ratio Lower Upper
105 100
120 24.6 13.1 39.3

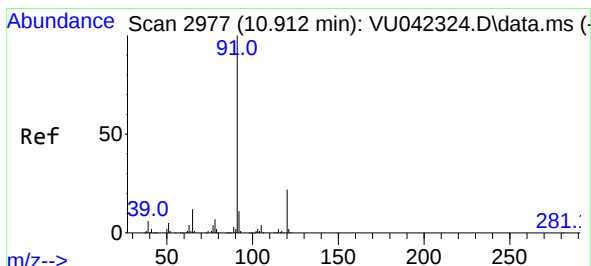
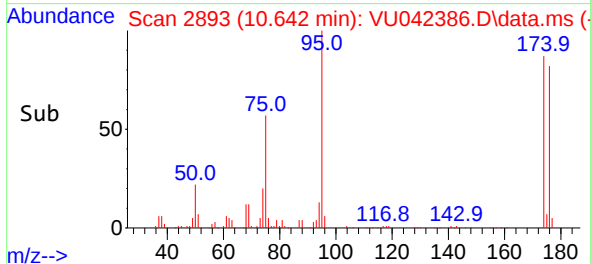
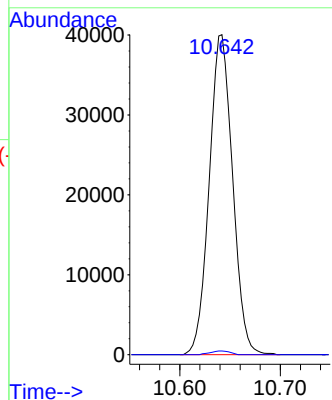
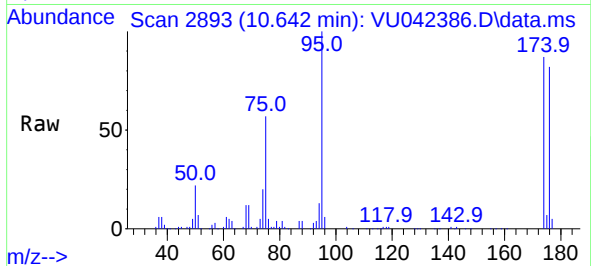




#76
1,2,3-Trichloropropane
Concen: 23.38 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.193 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

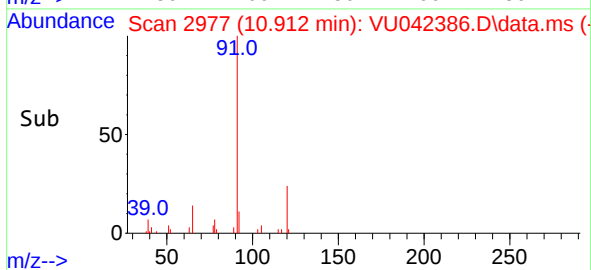
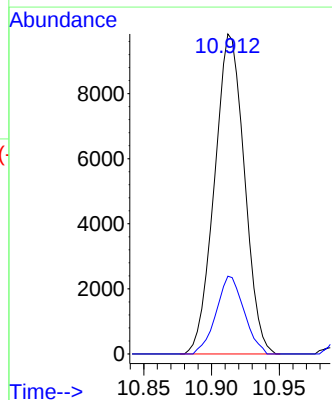
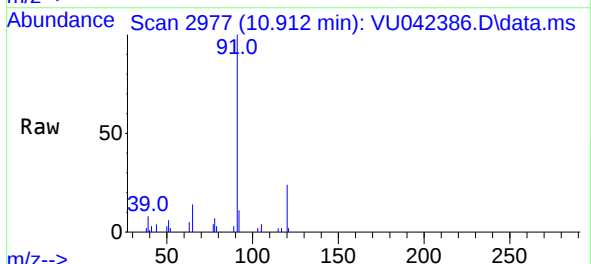
Instrument :
MSVOA_U
ClientSampled :

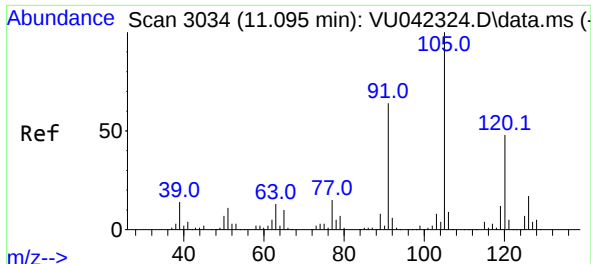
Tgt Ion: 75 Resp: 64711
Ion Ratio Lower Upper
75 100
77 1.0 20.2 60.5#



#78
n-propylbenzene
Concen: 1.75 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.000 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Tgt Ion: 91 Resp: 15084
Ion Ratio Lower Upper
91 100
120 22.7 11.2 33.6

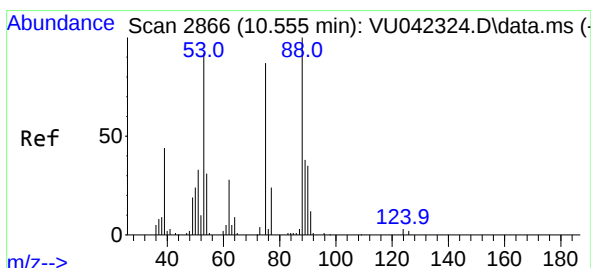
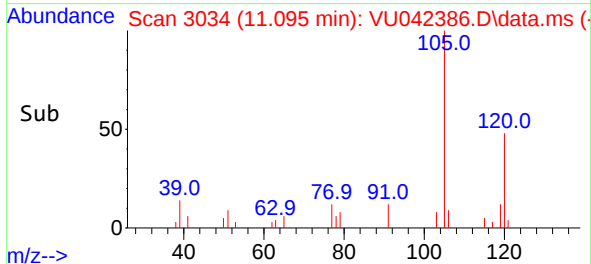
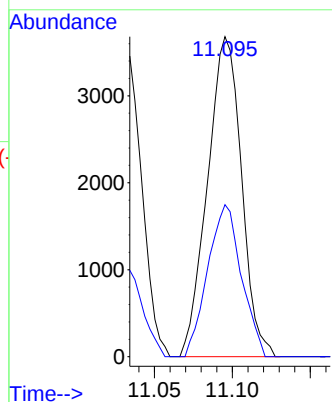
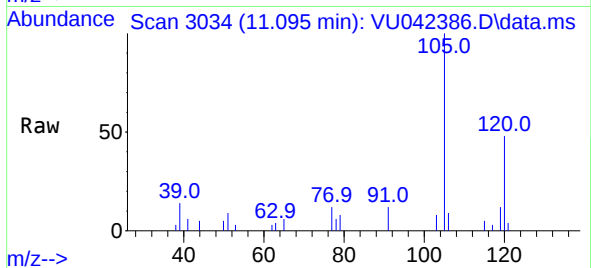




#80
1,3,5-Trimethylbenzene
Concen: 0.87 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. -0.000 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

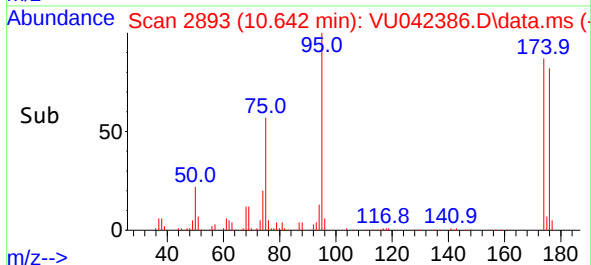
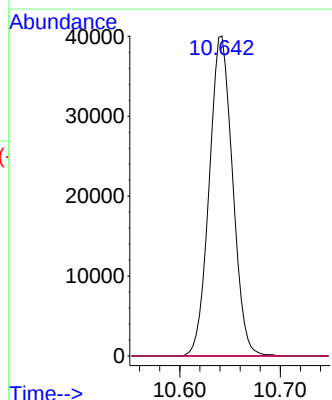
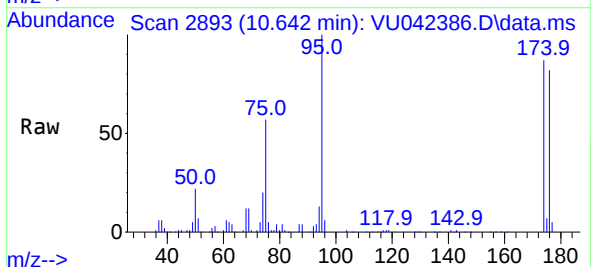
Instrument :
MSVOA_U
ClientSampled :

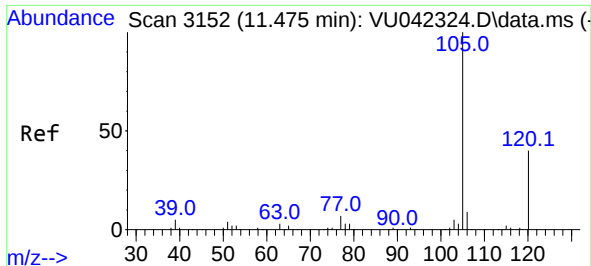
Tgt Ion:105 Resp: 5582
Ion Ratio Lower Upper
105 100
120 47.0 23.8 71.4



#81
trans-1,4-Dichloro-2-butene
Concen: 63.56 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.087 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Tgt Ion: 75 Resp: 64711
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#

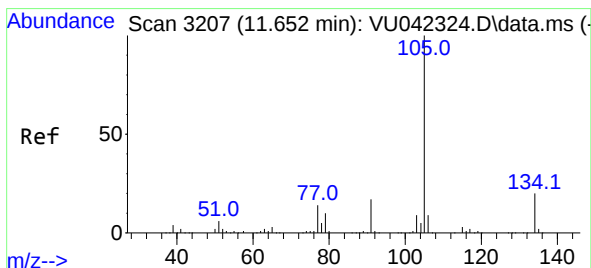
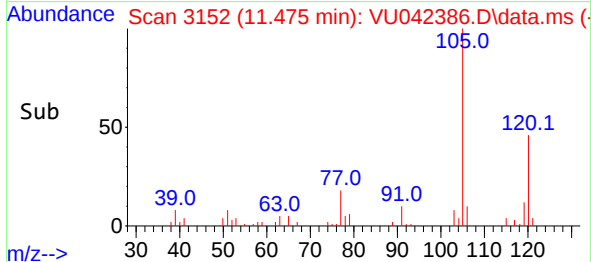
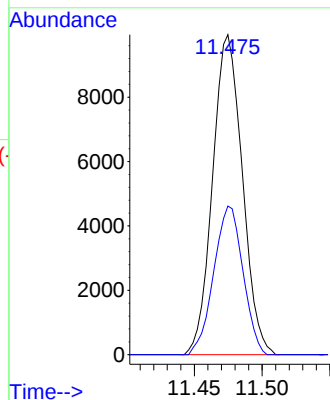
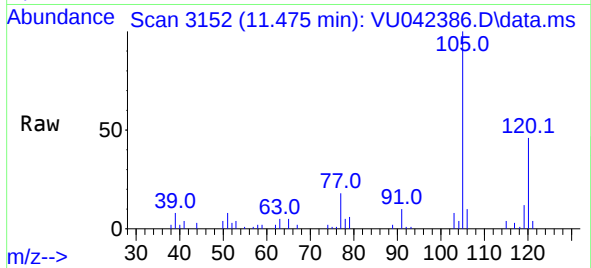




#84
1,2,4-Trimethylbenzene
Concen: 2.36 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

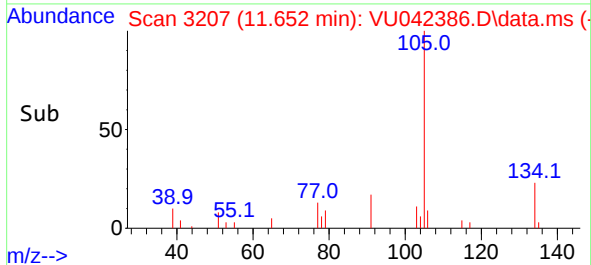
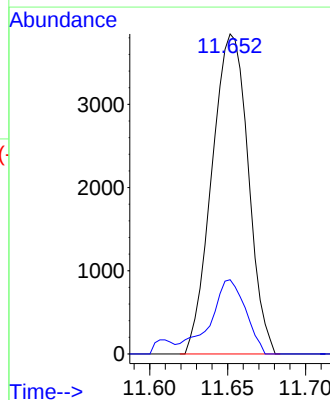
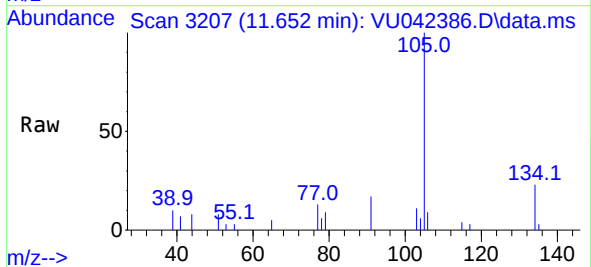
Tgt Ion:105 Resp: 15155
Ion Ratio Lower Upper
105 100
120 45.6 22.3 66.8

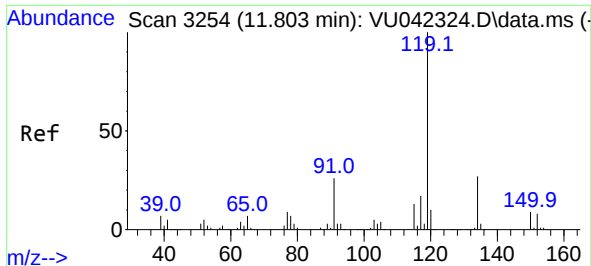
Instrument :
MSVOA_U
ClientSampled :



#85
sec-Butylbenzene
Concen: 0.85 ug/l
RT: 11.652 min Scan# 3207
Delta R.T. -0.000 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Tgt Ion:105 Resp: 6234
Ion Ratio Lower Upper
105 100
134 22.7 10.0 30.0



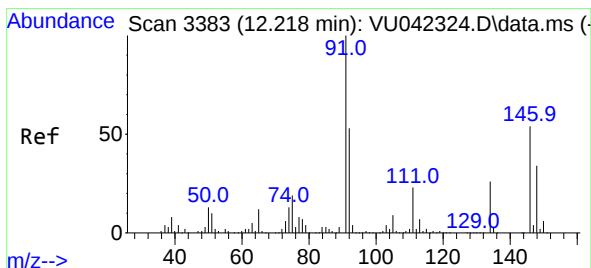
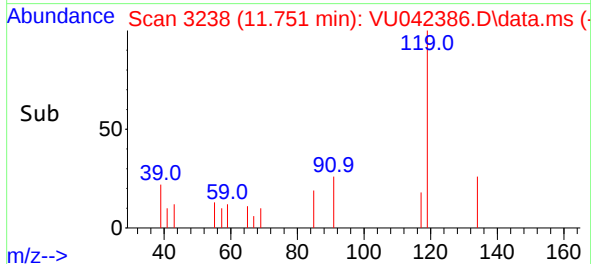
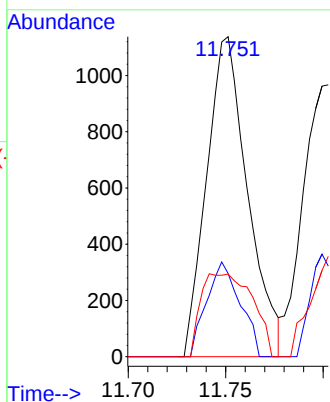
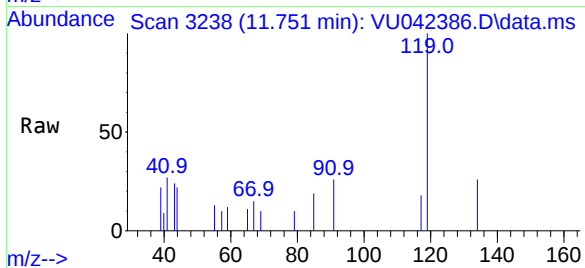


#86
p-Isopropyltoluene
Concen: 0.25 ug/l
RT: 11.751 min Scan# 3238
Delta R.T. -0.052 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:119 Resp: 1662

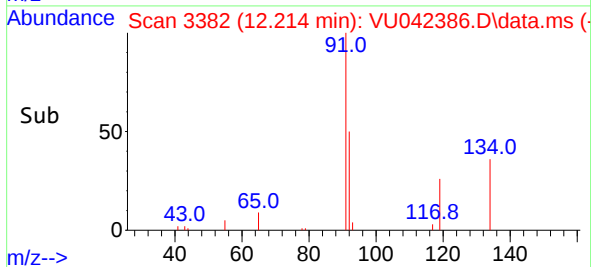
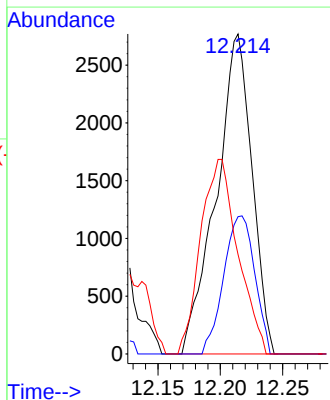
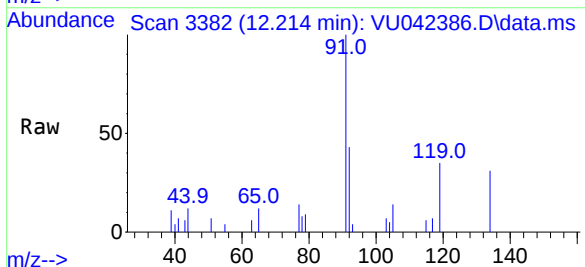
Ion	Ratio	Lower	Upper
119	100		
134	24.2	13.2	39.6
91	32.6	12.8	38.3

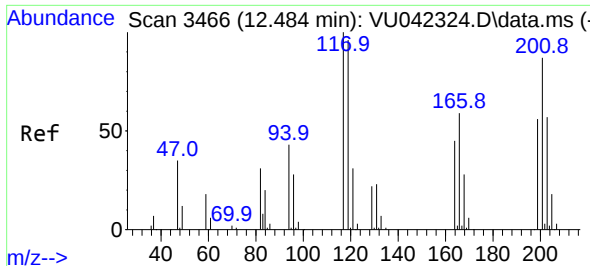


#89
n-Butylbenzene
Concen: 0.93 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. -0.003 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Tgt Ion: 91 Resp: 5519

Ion	Ratio	Lower	Upper
91	100		
92	37.4	26.2	78.6
134	63.1	12.7	38.1#

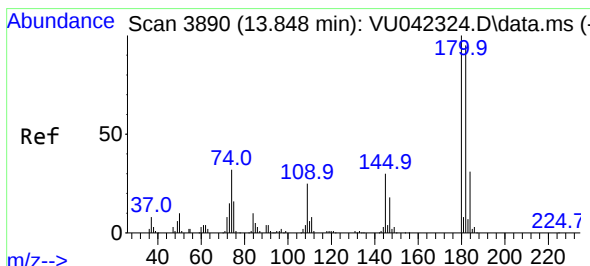
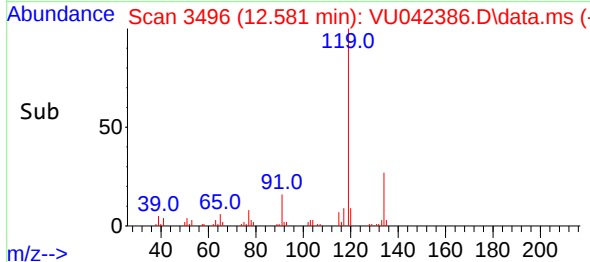
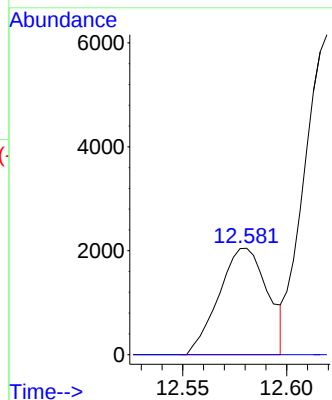
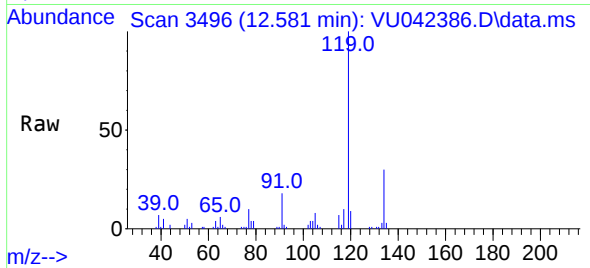




#90
Hexachloroethane
Concen: 2.80 ug/l
RT: 12.581 min Scan# 3496
Delta R.T. 0.096 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

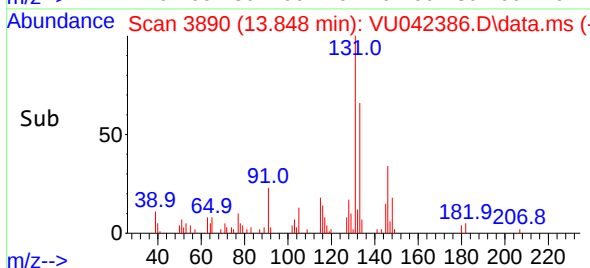
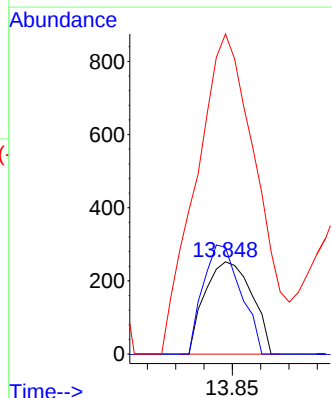
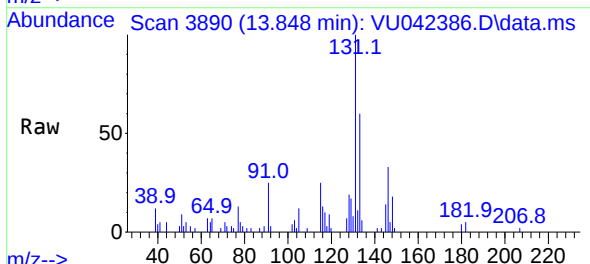
Instrument :
MSVOA_U
ClientSampled :

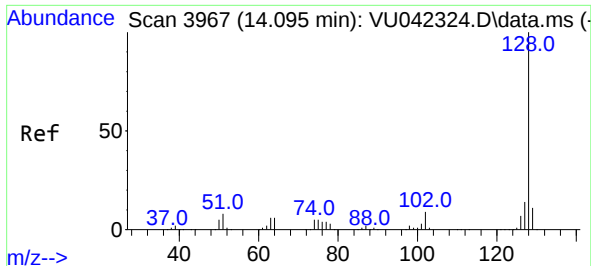
Tgt Ion:117 Resp: 3358
Ion Ratio Lower Upper
117 100
201 0.0 43.5 130.7#



#93
1,2,4-Trichlorobenzene
Concen: 1.80 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Tgt Ion:180 Resp: 291
Ion Ratio Lower Upper
180 100
182 94.5 46.9 140.8
145 447.4 14.4 43.4#



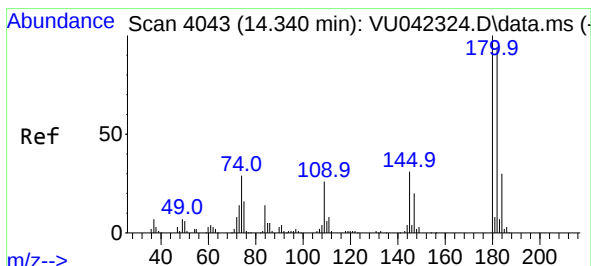
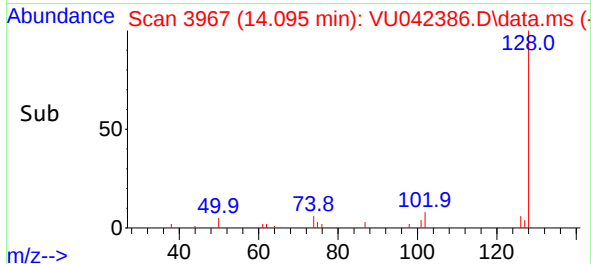
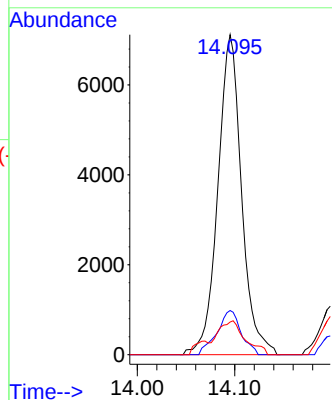
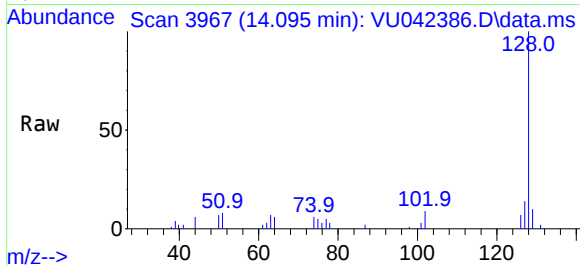


#95
Naphthalene
Concen: 3.74 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:128 Resp: 12019

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.8	16.2
129	12.2	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.73 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. -0.004 min
Lab File: VU042386.D
Acq: 22 Feb 2021 11:59

Tgt Ion:180 Resp: 132

Ion	Ratio	Lower	Upper
180	100		
182	182.6	48.0	144.0#
145	0.0	15.5	46.5#

