

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022221\
 Data File : VU042384.D
 Acq On : 22 Feb 2021 11:13
 Operator : SY/MD
 Sample : M1442-02 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 22 13:37:00 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)

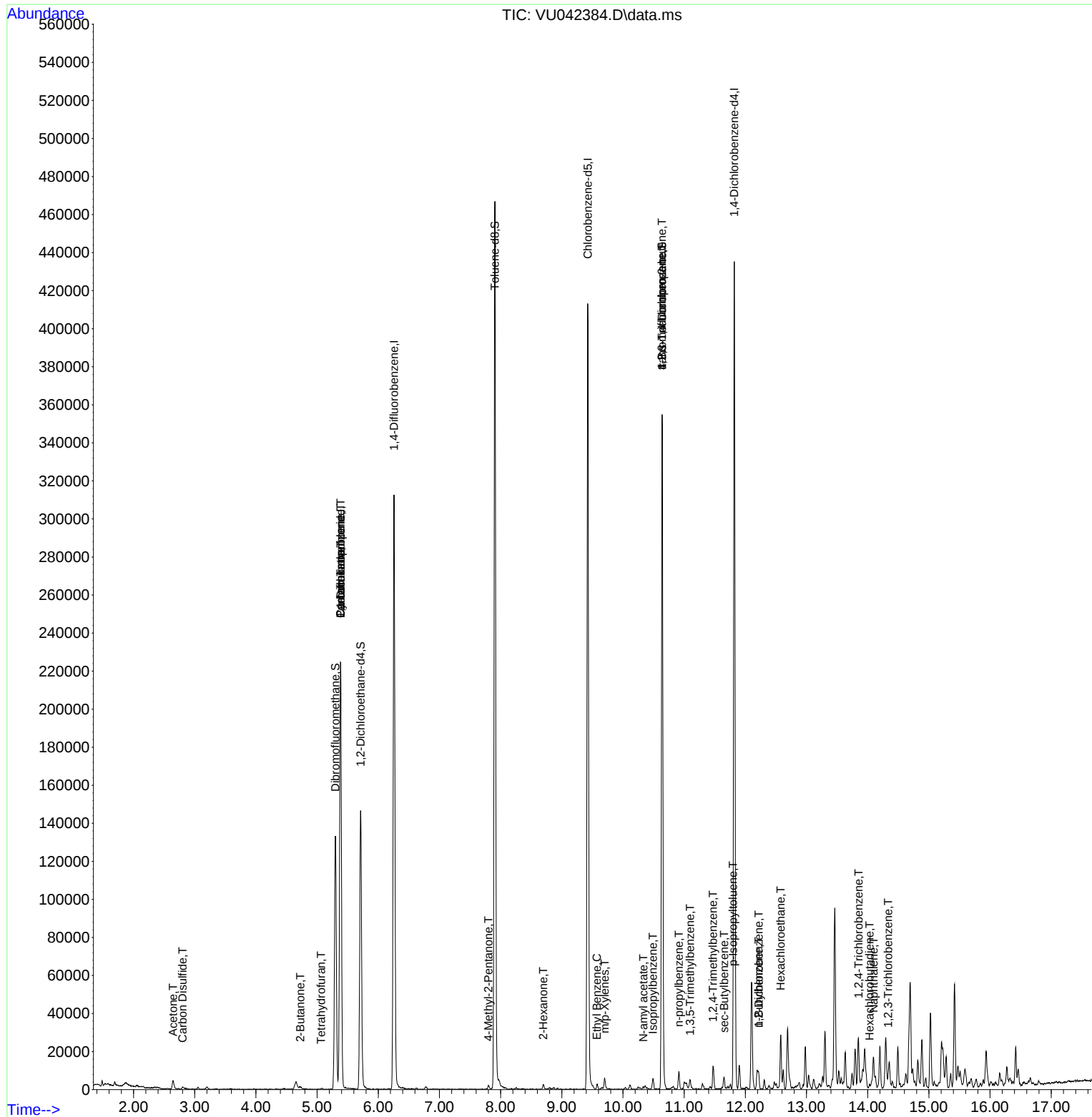
Internal Standards						
1) Pentafluorobenzene	5.385	168	158687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.257	114	244188	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.424	117	219845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	107901	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	117439	48.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.60%	
35) Dibromofluoromethane	5.298	113	83585	48.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.00%	
50) Toluene-d8	7.906	98	299516	48.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	10.639	95	108599	44.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.28%	
Target Compounds						Qvalue
16) Acetone	2.646	43	6274	4.20	ug/l	96
17) Carbon Disulfide	2.800	76	913	0.21	ug/l #	76
25) 2-Butanone	4.726	43	2417	1.22	ug/l #	54
29) Tetrahydrofuran	5.067	42	438	0.36	ug/l #	37
31) Cyclohexane	5.382	56	3883	1.23	ug/l #	22
36) 1,1-Dichloropropene	5.385	75	12348	5.11	ug/l #	51
38) Carbon Tetrachloride	5.382	117	16017	6.21	ug/l #	17
51) 4-Methyl-2-Pentanone	7.800	43	1588	0.43	ug/l #	87
59) 2-Hexanone	8.697	43	2065	0.69	ug/l	95
67) Ethyl Benzene	9.575	91	2266	0.29	ug/l	99
68) m/p-Xylenes	9.700	106	1508	0.51	ug/l	97
73) Isopropylbenzene	10.491	105	3770	0.52	ug/l	95
74) N-amyl acetate	10.334	43	947	0.23	ug/l #	65
76) 1,2,3-Trichloropropane	10.639	75	61125	22.91	ug/l #	37
78) n-propylbenzene	10.912	91	7339	0.88	ug/l	99
80) 1,3,5-Trimethylbenzene	11.096	105	2641	0.43	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.639	75	61125	62.29	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.472	105	6677	1.08	ug/l	98
85) sec-Butylbenzene	11.652	105	4199	0.60	ug/l	97
86) p-Isopropyltoluene	11.797	119	1414	0.22	ug/l #	72
89) n-Butylbenzene	12.218	91	4475	0.78	ug/l #	73
90) Hexachloroethane	12.578	117	1571	1.36	ug/l #	6
91) 1,2-Dichlorobenzene	12.218	146	791	0.23	ug/l	78
93) 1,2,4-Trichlorobenzene	13.851	180	1466	2.28	ug/l #	66
94) Hexachlorobutadiene	14.028	225	342	0.29	ug/l	72
95) Naphthalene	14.095	128	13696	4.02	ug/l	98
96) 1,2,3-Trichlorobenzene	14.337	180	1846	2.44	ug/l #	84

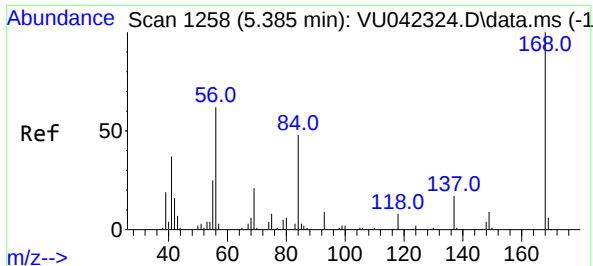
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022221\
Data File : VU042384.D
Acq On : 22 Feb 2021 11:13
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Instrument :
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Quant Time: Feb 22 13:37:00 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

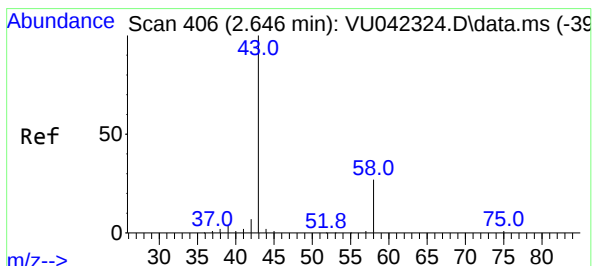
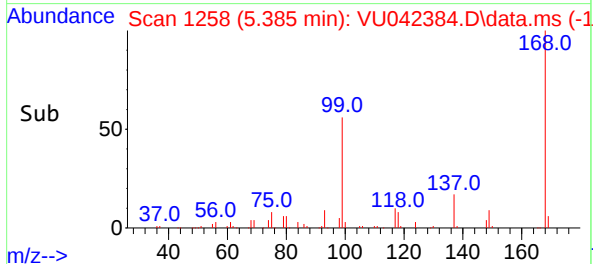
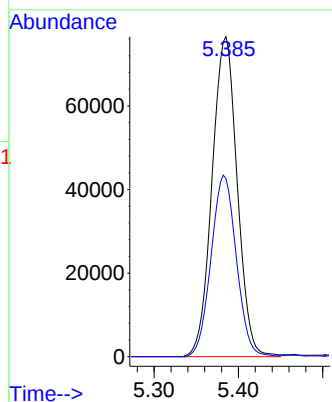
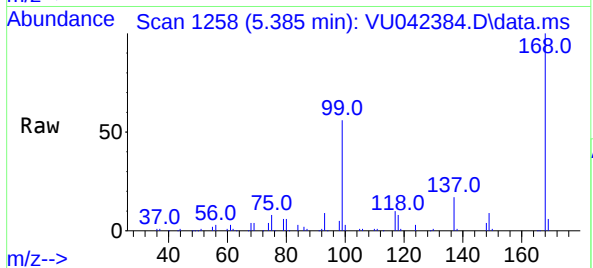




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

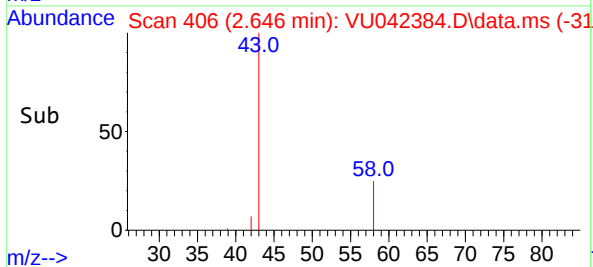
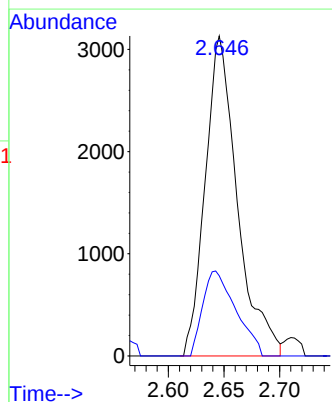
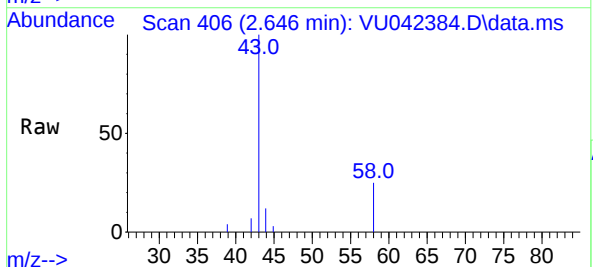
Instrument :
MSVOA_U
ClientSampled :

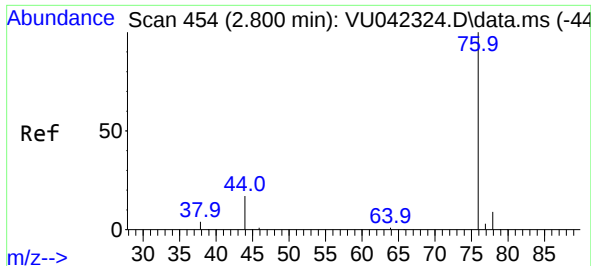
Tgt Ion:168 Resp: 158687
Ion Ratio Lower Upper
168 100
99 55.7 45.0 67.4



#16
Acetone
Concen: 4.20 ug/l
RT: 2.646 min Scan# 406
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion: 43 Resp: 6274
Ion Ratio Lower Upper
43 100
58 25.0 21.5 32.3

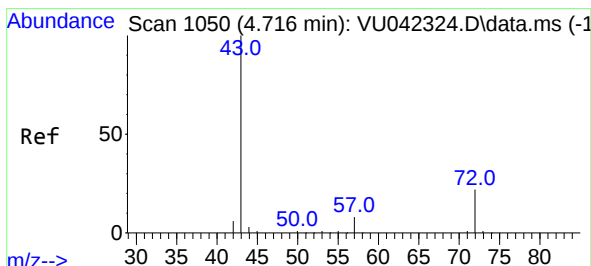
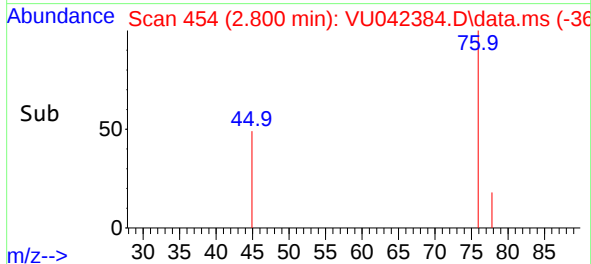
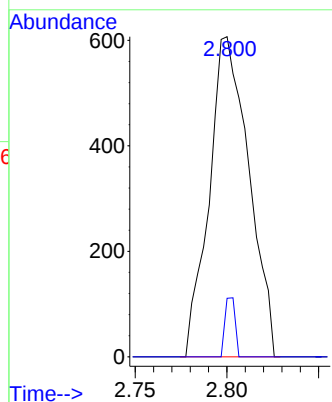
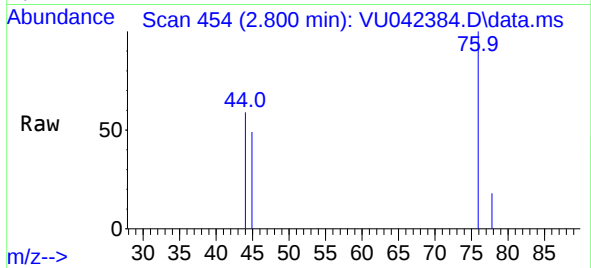




#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.800 min Scan# 454
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

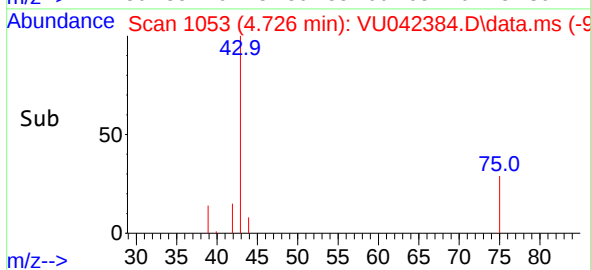
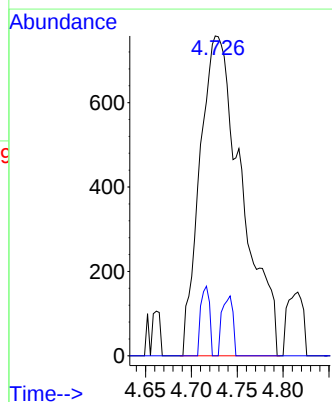
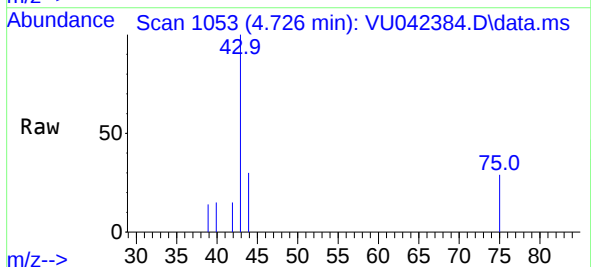
Instrument :
MSVOA_U
ClientSampled :

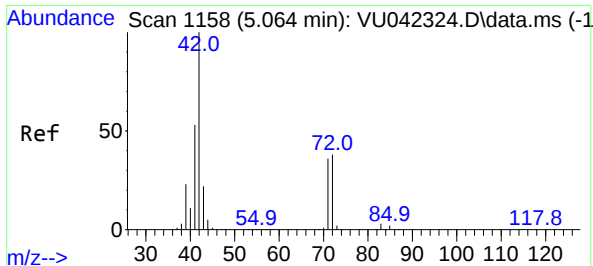
Tgt Ion: 76 Resp: 913
Ion Ratio Lower Upper
76 100
78 18.3 7.5 11.3#



#25
2-Butanone
Concen: 1.22 ug/l
RT: 4.726 min Scan# 1053
Delta R.T. 0.010 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion: 43 Resp: 2417
Ion Ratio Lower Upper
43 100
72 0.0 17.4 26.0#





#29

Tetrahydrofuran

Concen: 0.36 ug/l

RT: 5.067 min Scan# 1159

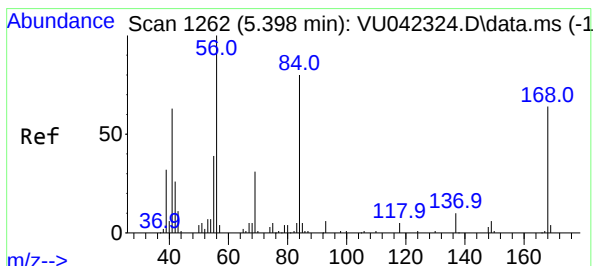
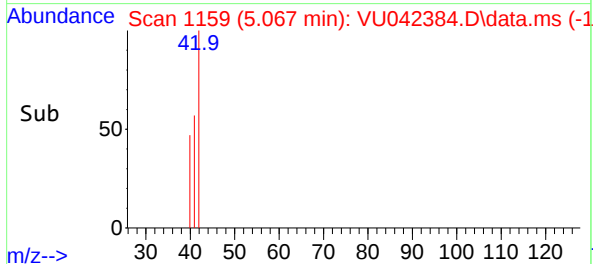
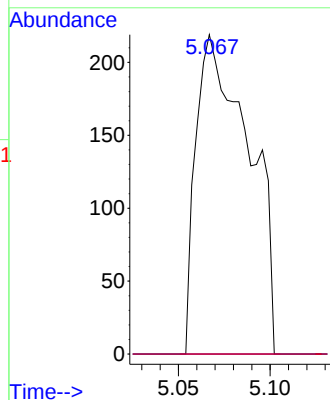
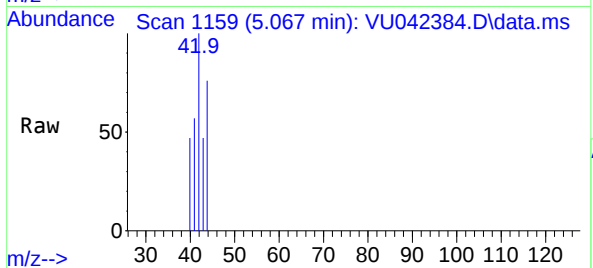
Delta R.T. 0.003 min

Lab File: VU042384.D

Acq: 22 Feb 2021 11:13

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:	42	Resp:	438
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.5	47.3#
71	0.0	29.5	44.3#



#31

Cyclohexane

Concen: 1.23 ug/l

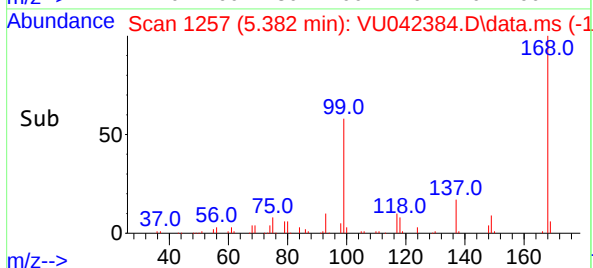
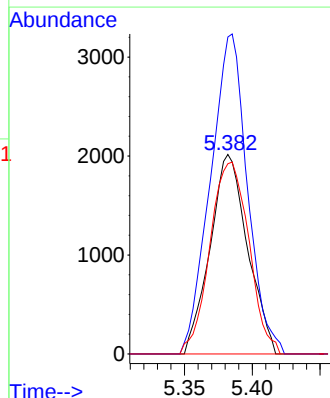
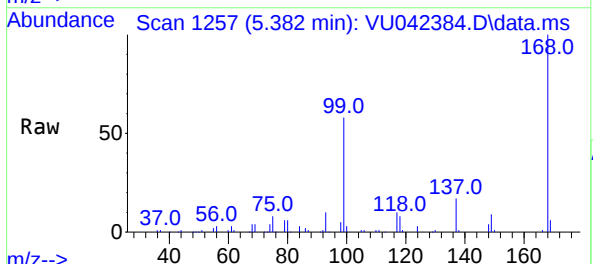
RT: 5.382 min Scan# 1257

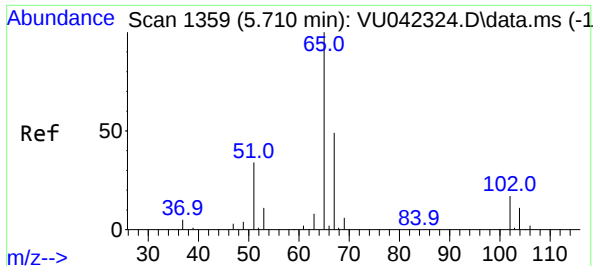
Delta R.T. -0.016 min

Lab File: VU042384.D

Acq: 22 Feb 2021 11:13

Tgt Ion:	56	Resp:	3883
Ion	Ratio	Lower	Upper
56	100		
69	158.9	24.9	37.3#
84	95.4	63.7	95.5



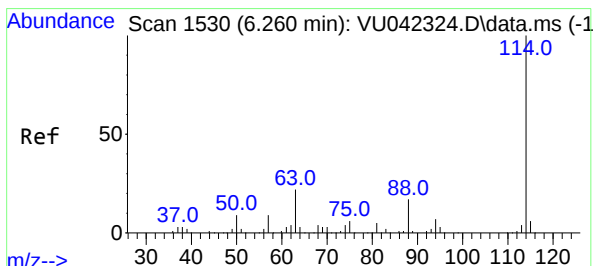
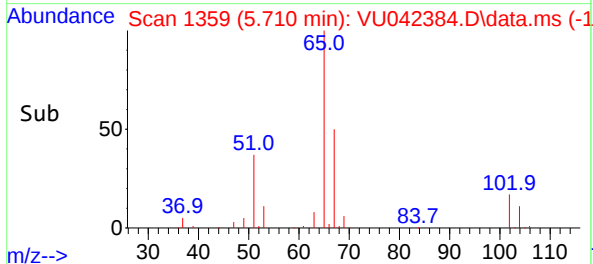
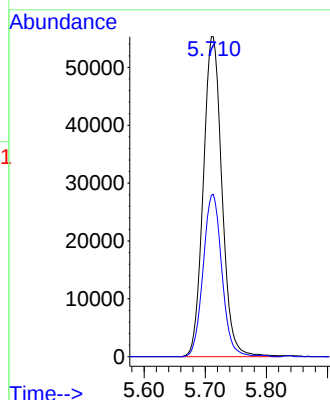
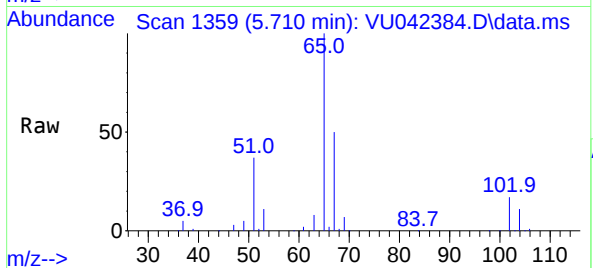


#33

1,2-Dichloroethane-d4
Concen: 48.80 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Instrument :
MSVOA_U
ClientSampled :

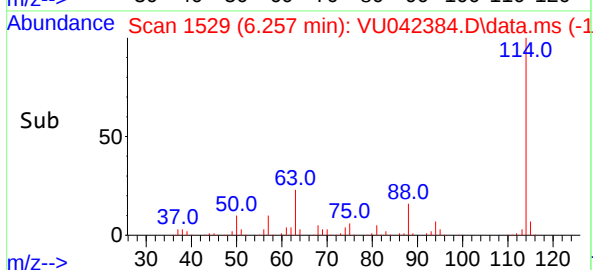
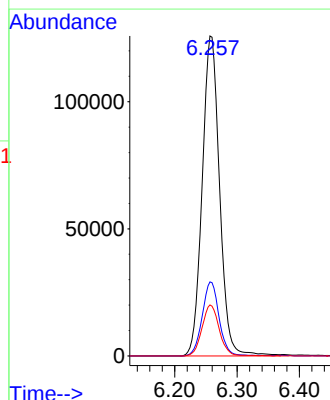
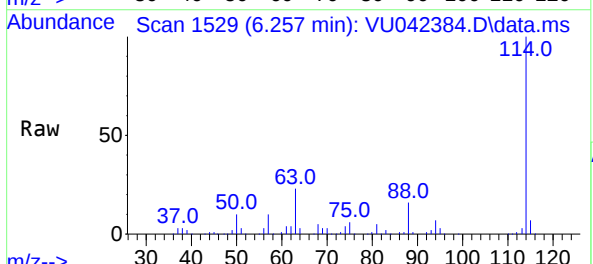
Tgt Ion: 65 Resp: 117439
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.8

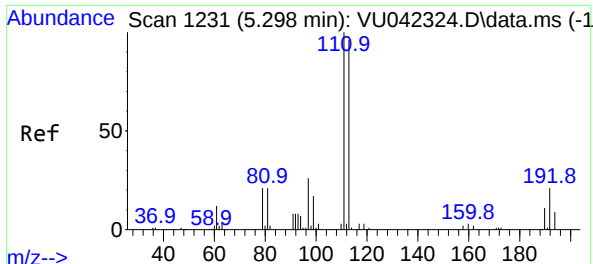


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.257 min Scan# 1529
Delta R.T. -0.003 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion: 114 Resp: 244188
Ion Ratio Lower Upper
114 100
63 23.2 0.0 44.2
88 16.0 0.0 33.4



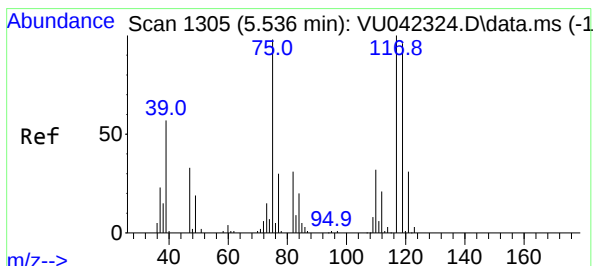
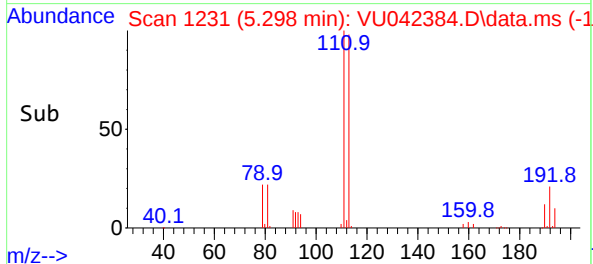
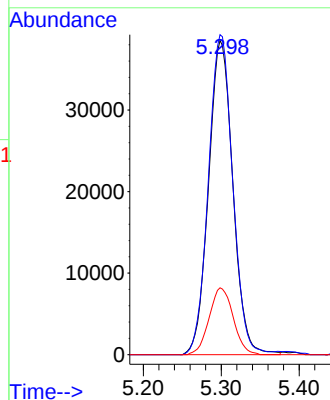
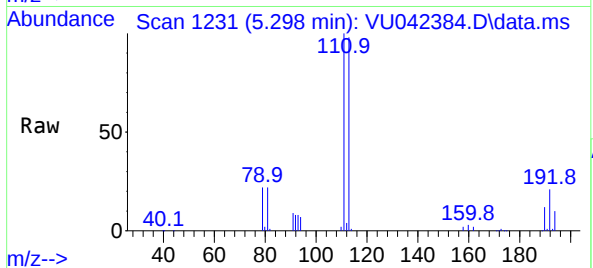


#35
Dibromofluoromethane
Concen: 48.50 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:113 Resp: 83585

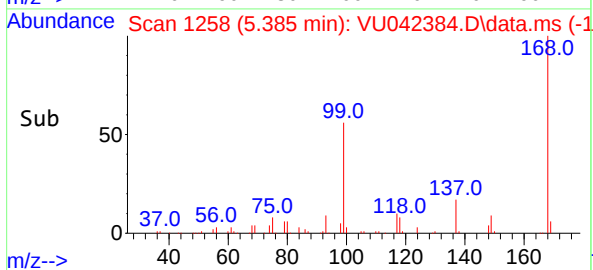
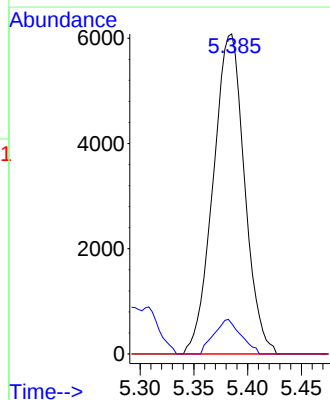
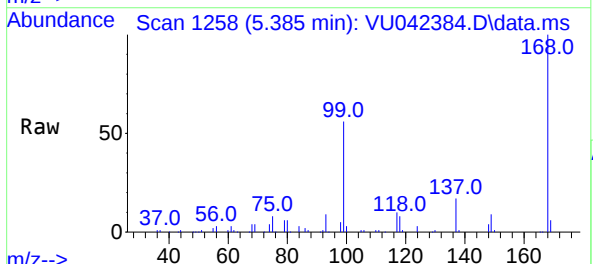
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.8
192	21.1	17.2	25.8

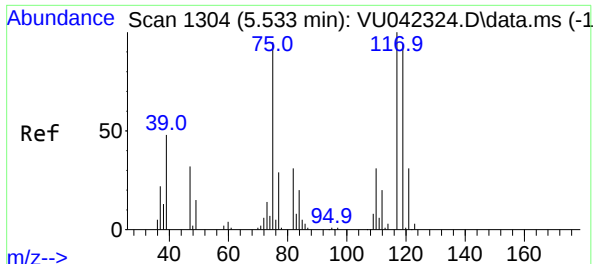


#36
1,1-Dichloropropene
Concen: 5.11 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.151 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion: 75 Resp: 12348

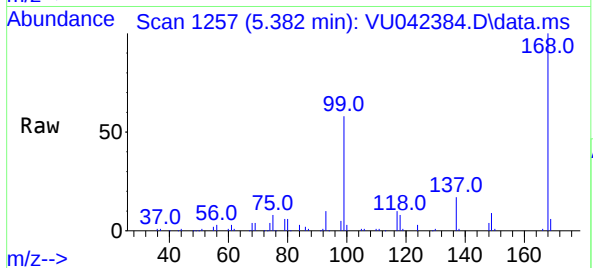
Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.8	50.3#
77	0.0	24.8	37.2#



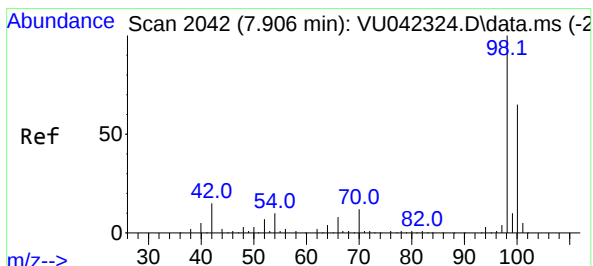
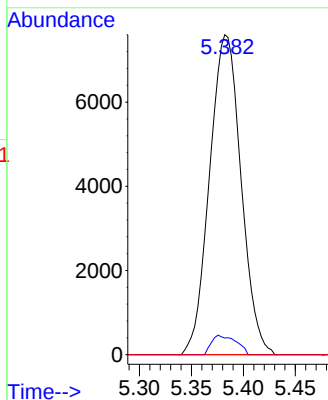
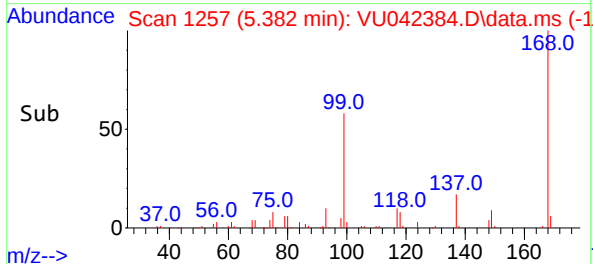


#38
Carbon Tetrachloride
Concen: 6.21 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

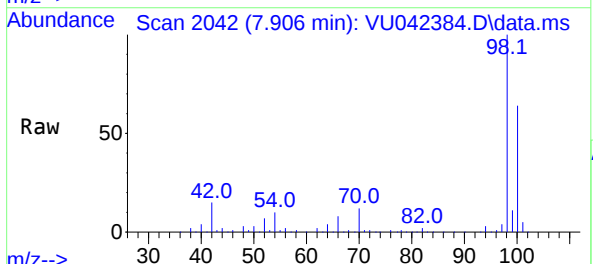
Instrument :
MSVOA_U
ClientSampled :



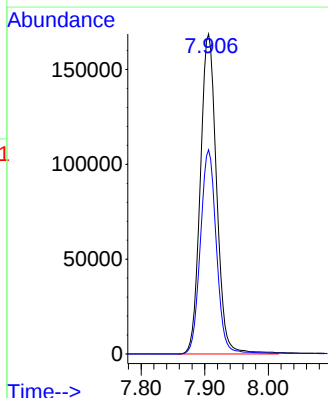
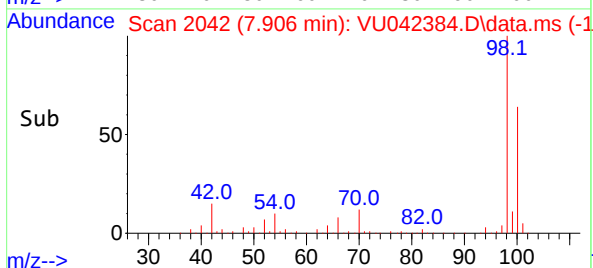
Tgt Ion:117 Resp: 16017
Ion Ratio Lower Upper
117 100
119 5.2 75.5 113.3#
121 0.0 24.7 37.1#

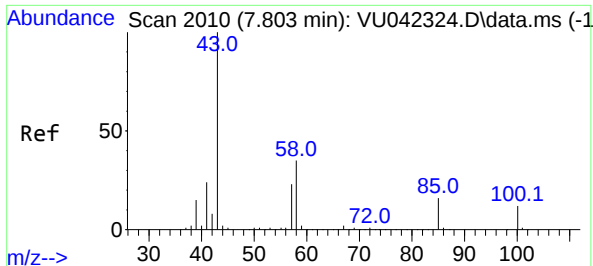


#50
Toluene-d8
Concen: 48.52 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13



Tgt Ion: 98 Resp: 299516
Ion Ratio Lower Upper
98 100
100 62.9 50.2 75.2

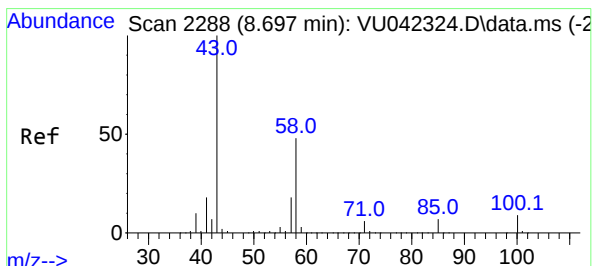
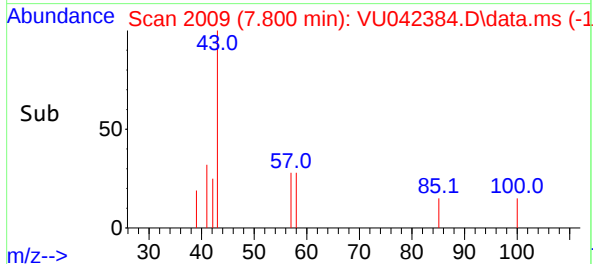
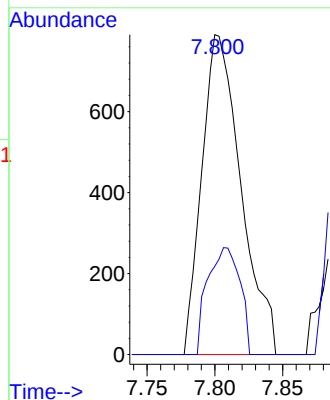
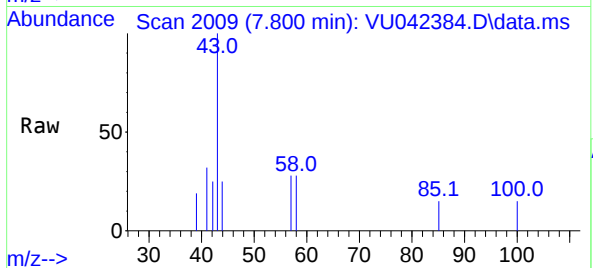




#51
4-Methyl-2-Pentanone
Concen: 0.43 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.003 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

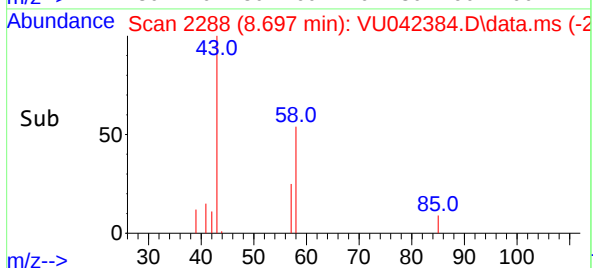
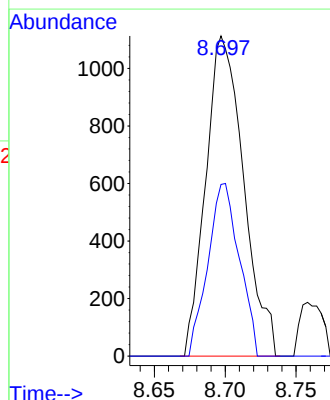
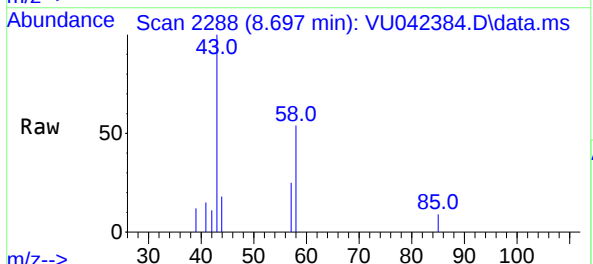
Instrument :
MSVOA_U
ClientSampled :

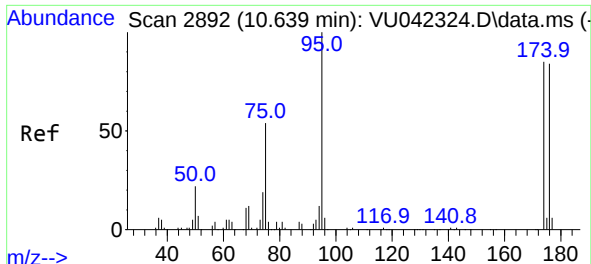
Tgt Ion: 43 Resp: 1588
Ion Ratio Lower Upper
43 100
58 27.5 28.1 42.1#



#59
2-Hexanone
Concen: 0.69 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion: 43 Resp: 2065
Ion Ratio Lower Upper
43 100
58 44.7 24.0 72.0

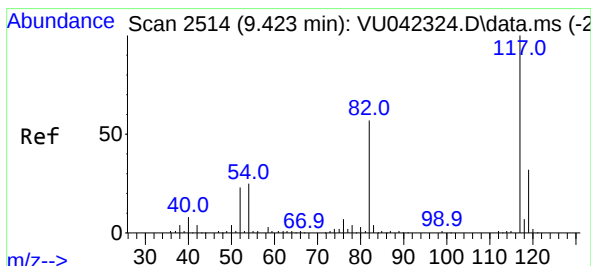
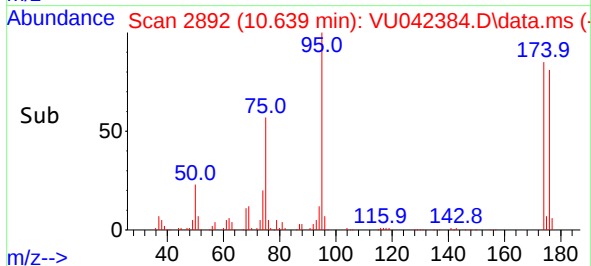
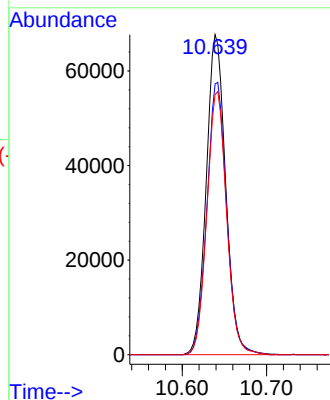
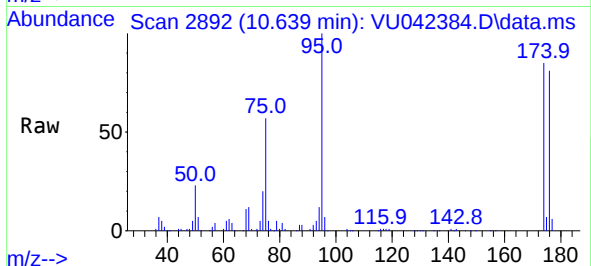




#62
4-Bromofluorobenzene
Concen: 44.64 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

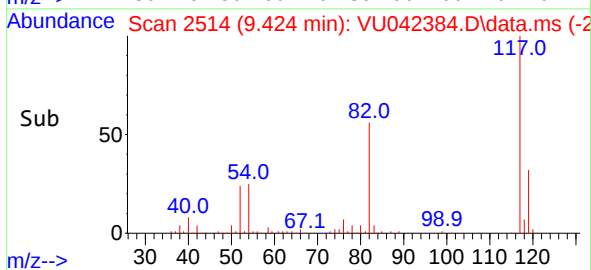
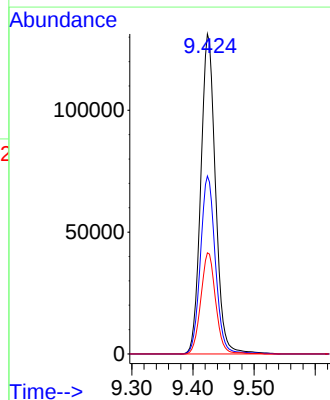
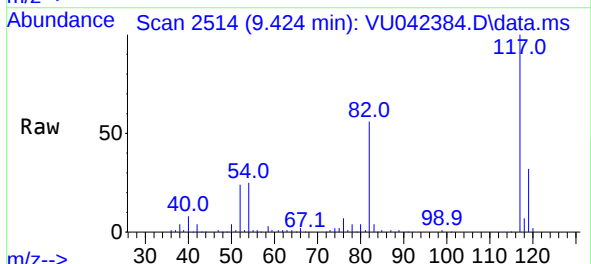
Instrument :
MSVOA_U
ClientSampleId :

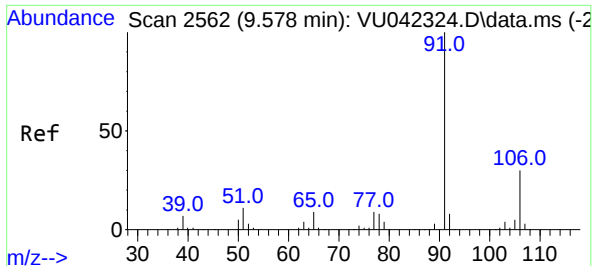
Tgt Ion: 95 Resp: 108599
Ion Ratio Lower Upper
95 100
174 86.6 0.0 172.2
176 83.1 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.424 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion: 117 Resp: 219845
Ion Ratio Lower Upper
117 100
82 55.6 45.8 68.6
119 31.6 25.8 38.8

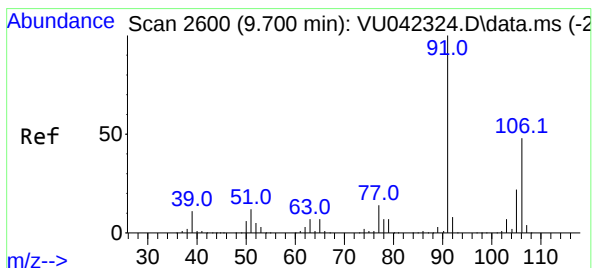
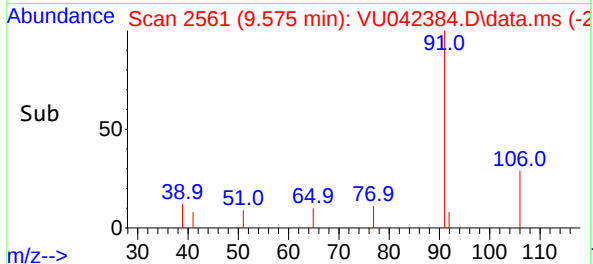
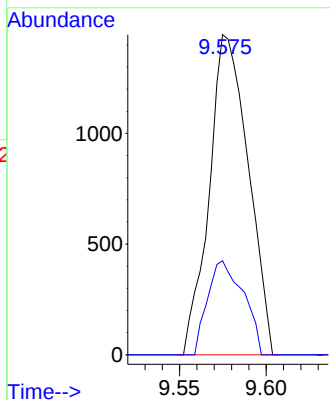
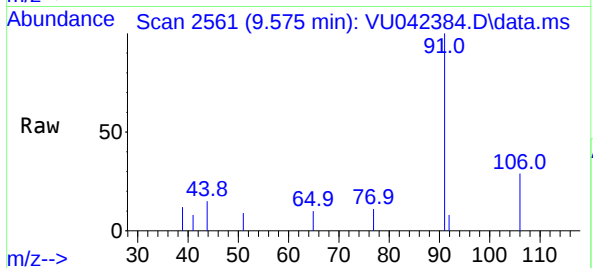




#67
Ethyl Benzene
Concen: 0.29 ug/l
RT: 9.575 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

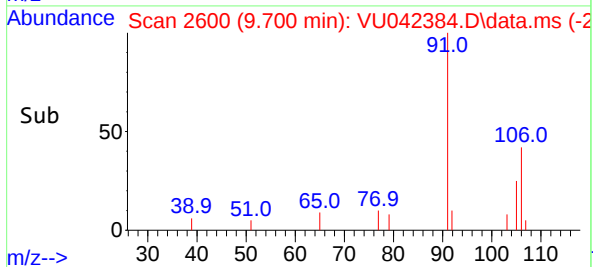
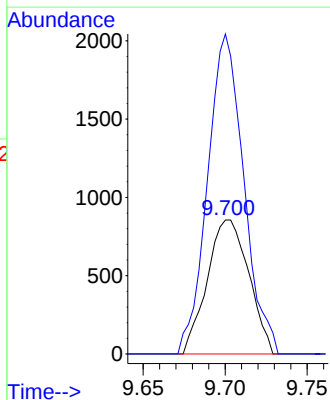
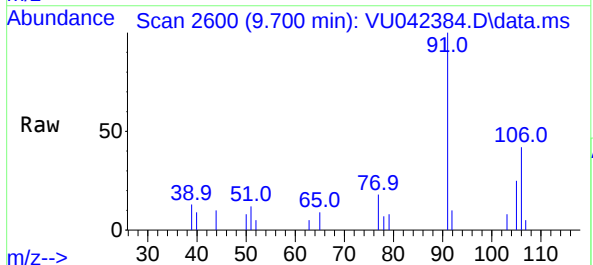
Instrument :
MSVOA_U
ClientSampled :

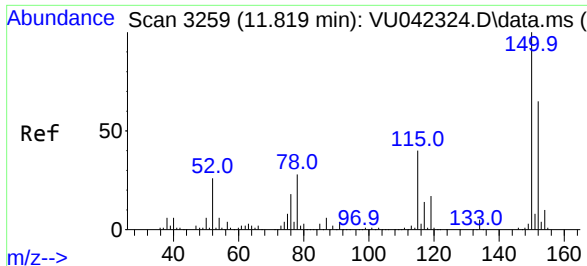
Tgt Ion: 91 Resp: 2266
Ion Ratio Lower Upper
91 100
106 29.4 24.1 36.1



#68
m/p-Xylenes
Concen: 0.51 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion: 106 Resp: 1508
Ion Ratio Lower Upper
106 100
91 207.8 169.9 254.9

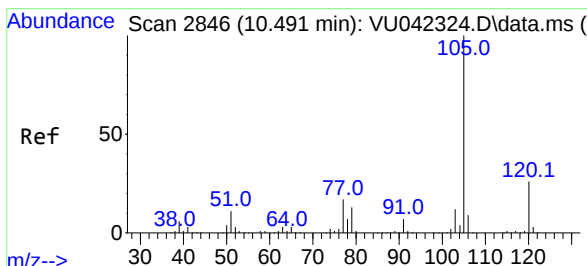
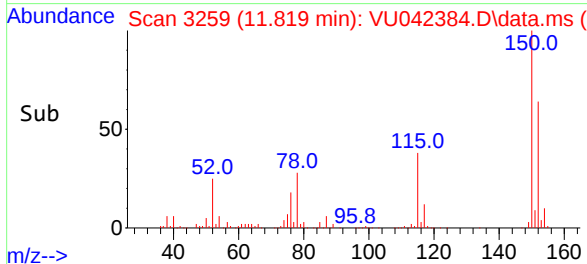
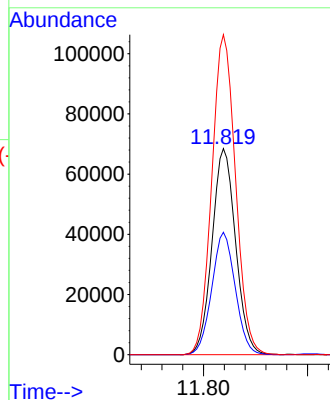
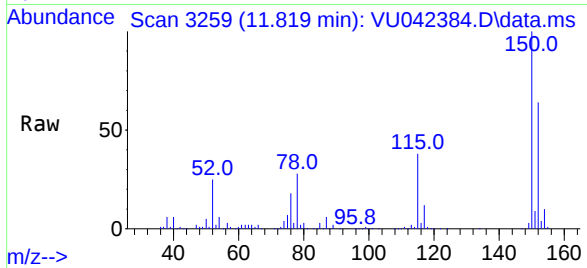




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

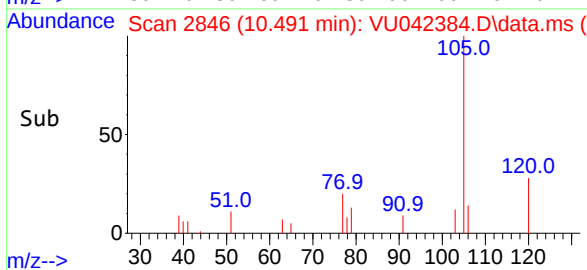
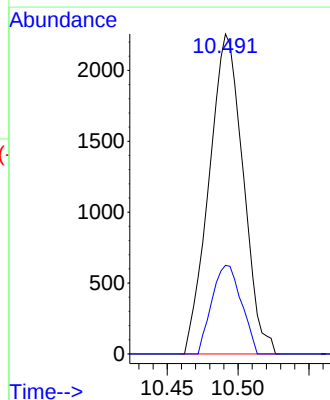
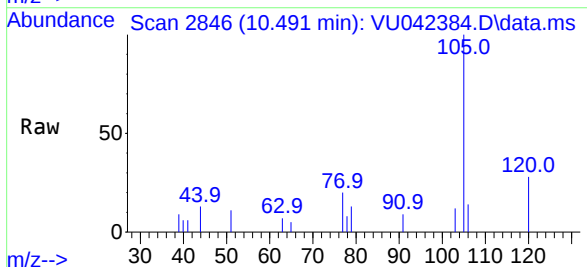
Instrument :
MSVOA_U
ClientSampleId :

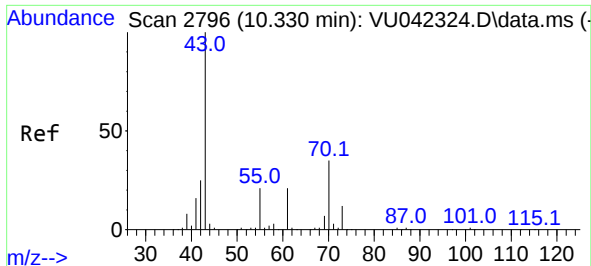
Tgt Ion:152 Resp: 107901
Ion Ratio Lower Upper
152 100
115 59.0 41.5 124.6
150 156.4 0.0 342.4



#73
Isopropylbenzene
Concen: 0.52 ug/l
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion:105 Resp: 3770
Ion Ratio Lower Upper
105 100
120 23.9 13.1 39.3



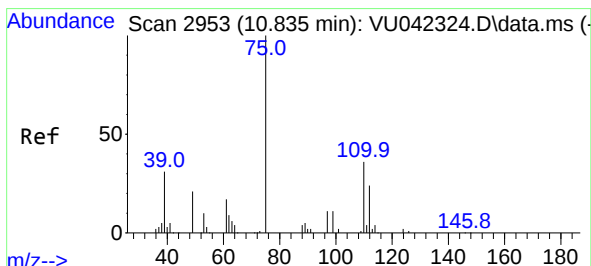
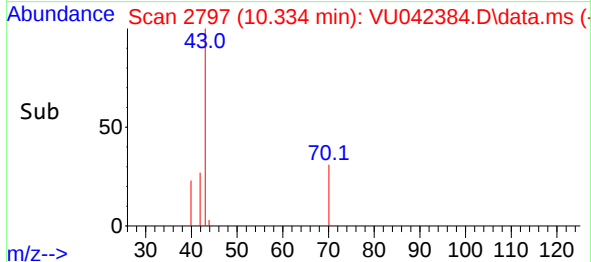
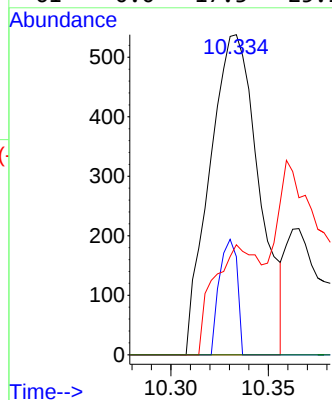
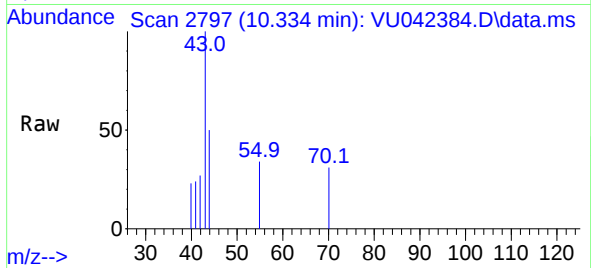


#74
N-amy1 acetate
Concen: 0.23 ug/l
RT: 10.334 min Scan# 2797
Delta R.T. 0.003 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 43 Resp: 947

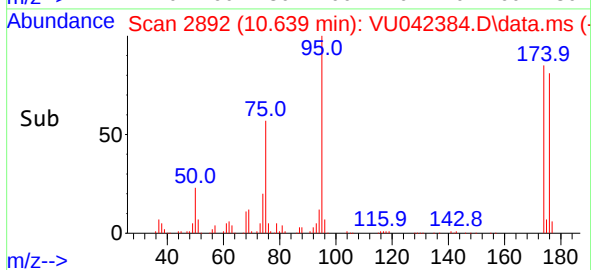
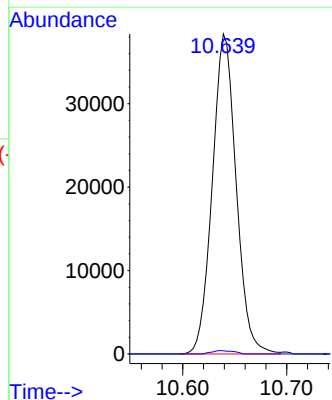
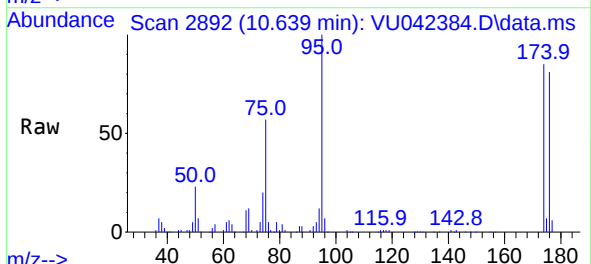
Ion	Ratio	Lower	Upper
43	100		
70	13.1	28.3	42.5#
55	30.8	17.2	25.8#
61	0.0	17.3	25.9#

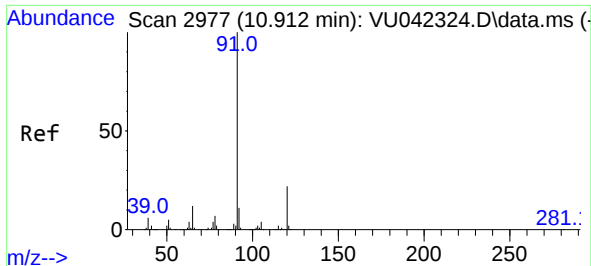


#76
1,2,3-Trichloropropane
Concen: 22.91 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion: 75 Resp: 61125

Ion	Ratio	Lower	Upper
75	100		
77	1.0	20.2	60.5#

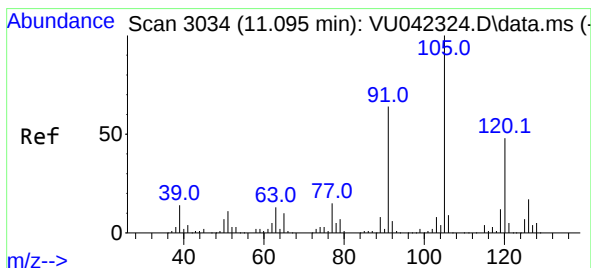
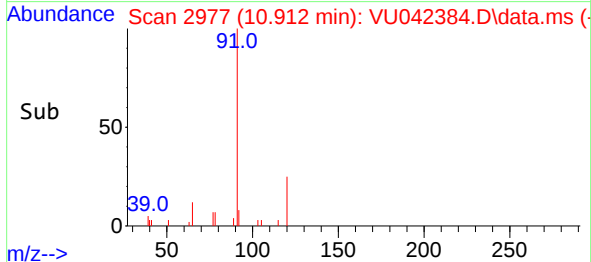
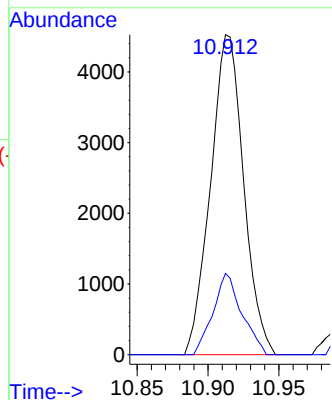
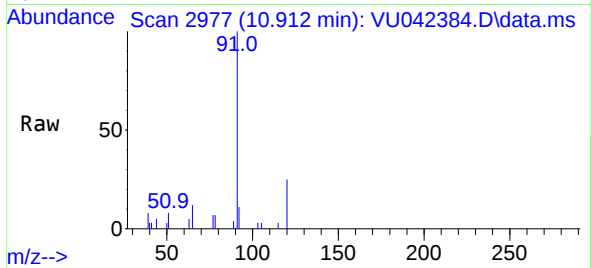




#78
n-propylbenzene
Concen: 0.88 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

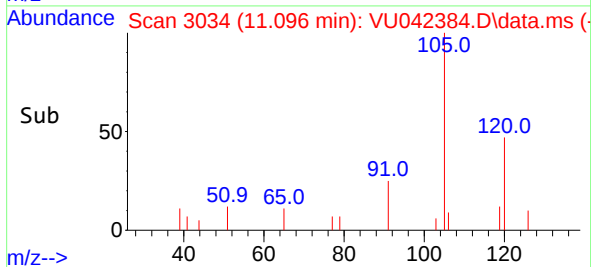
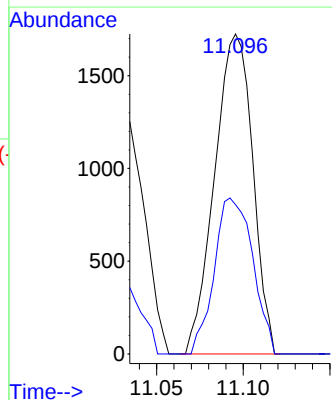
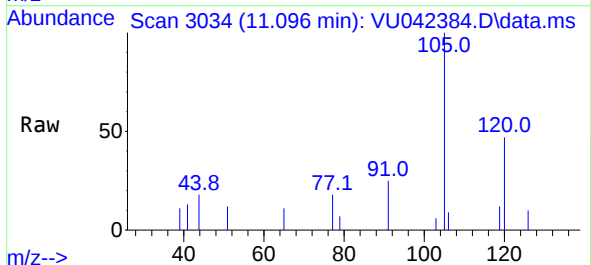
Instrument :
MSVOA_U
ClientSampled :

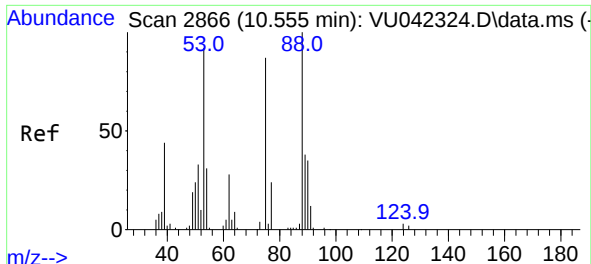
Tgt Ion: 91 Resp: 7339
Ion Ratio Lower Upper
91 100
120 22.0 11.2 33.6



#80
1,3,5-Trimethylbenzene
Concen: 0.43 ug/l
RT: 11.096 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion: 105 Resp: 2641
Ion Ratio Lower Upper
105 100
120 49.1 23.8 71.4

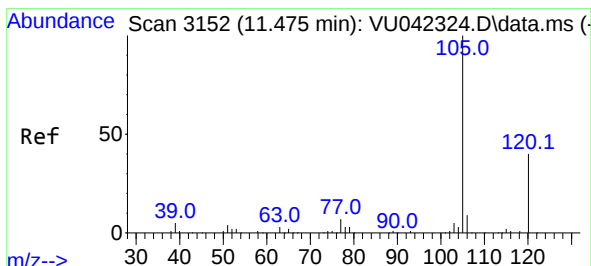
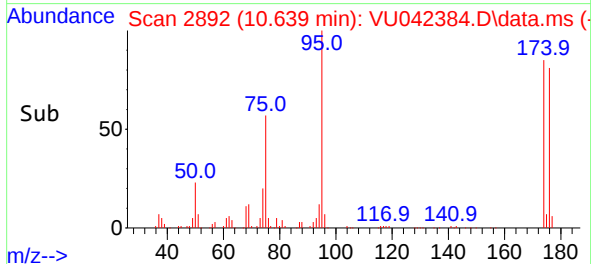
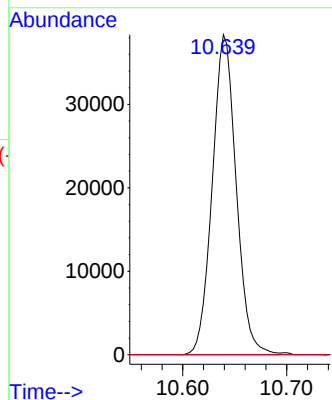
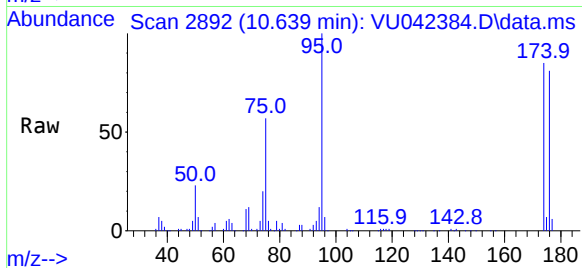




#81
trans-1,4-Dichloro-2-butene
Concen: 62.29 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

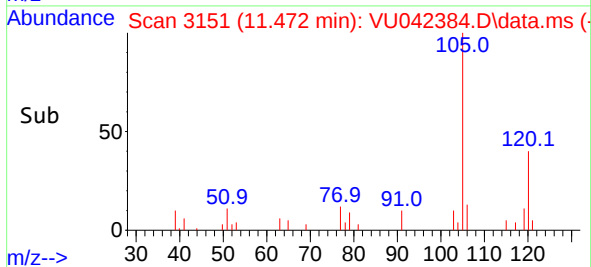
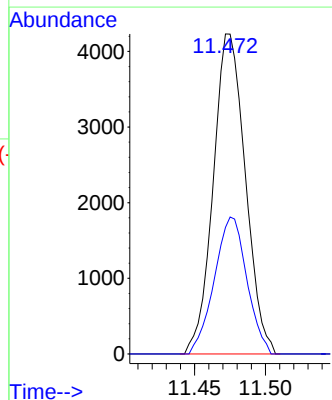
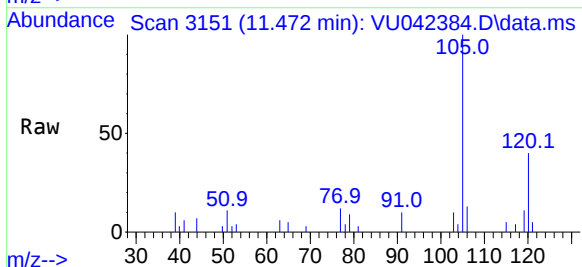
Instrument :
MSVOA_U
ClientSampleId :

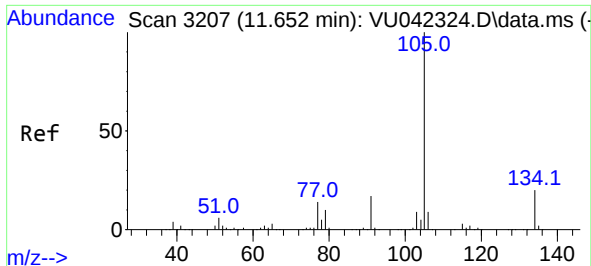
Tgt Ion: 75 Resp: 61125
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#



#84
1,2,4-Trimethylbenzene
Concen: 1.08 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion: 105 Resp: 6677
Ion Ratio Lower Upper
105 100
120 43.3 22.3 66.8

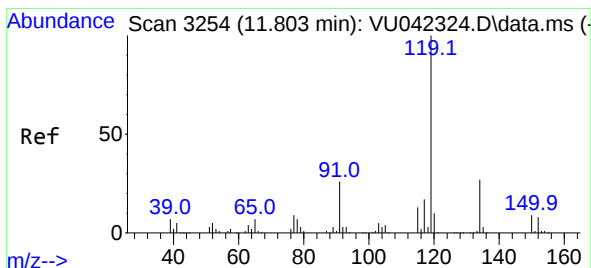
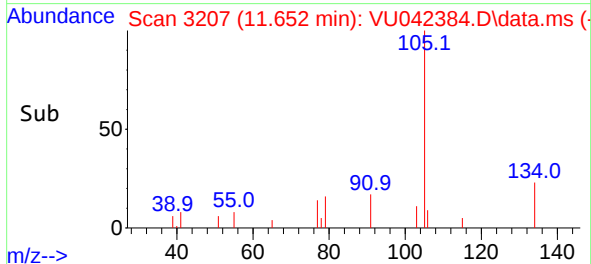
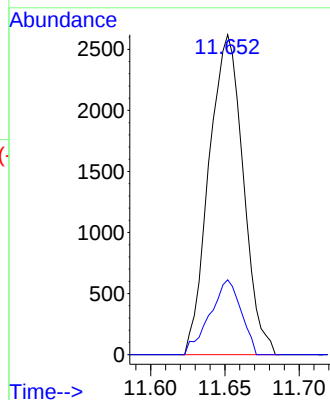
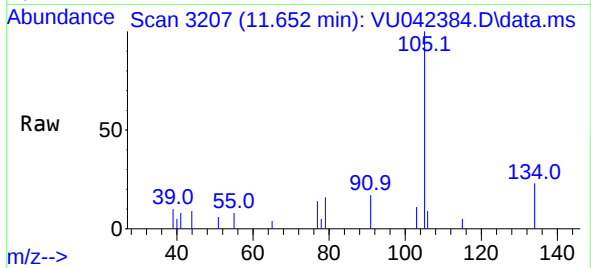




#85
sec-Butylbenzene
Concen: 0.60 ug/l
RT: 11.652 min Scan# 3207
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

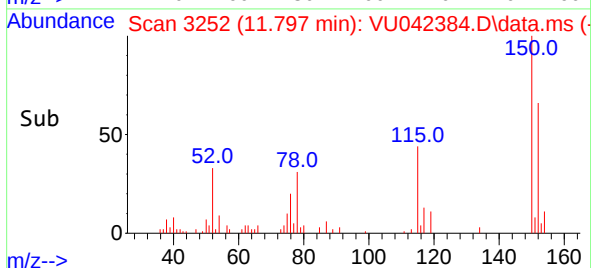
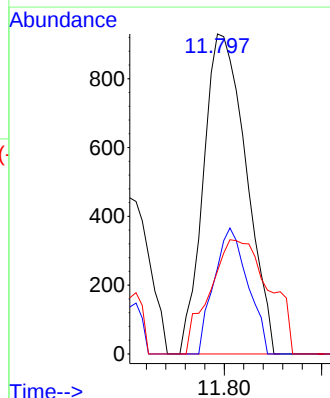
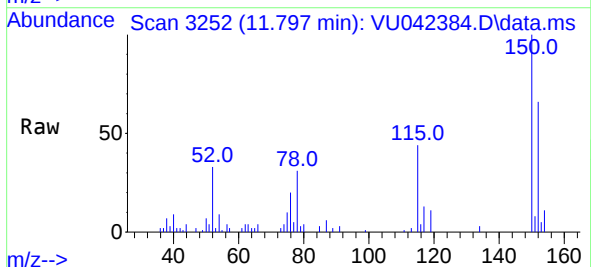
Instrument :
MSVOA_U
ClientSampleId :

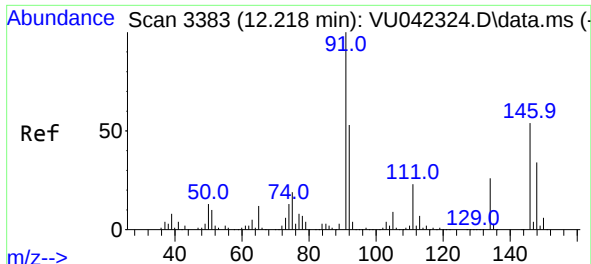
Tgt Ion:105 Resp: 4199
Ion Ratio Lower Upper
105 100
134 21.3 10.0 30.0



#86
p-Isopropyltoluene
Concen: 0.22 ug/l
RT: 11.797 min Scan# 3252
Delta R.T. -0.006 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion:119 Resp: 1414
Ion Ratio Lower Upper
119 100
134 31.0 13.2 39.6
91 49.2 12.8 38.3#





#89

n-Butylbenzene

Concen: 0.78 ug/l

RT: 12.218 min Scan# 3383

Delta R.T. 0.000 min

Lab File: VU042384.D

Acq: 22 Feb 2021 11:13

Tgt Ion: 91 Resp: 4475

Ion Ratio Lower Upper

91 100

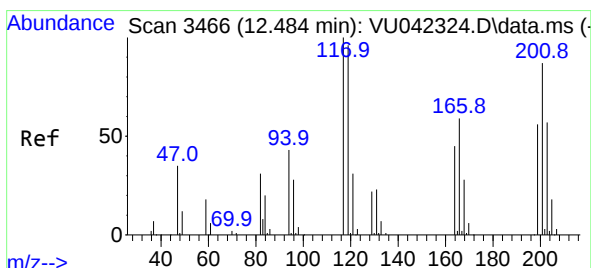
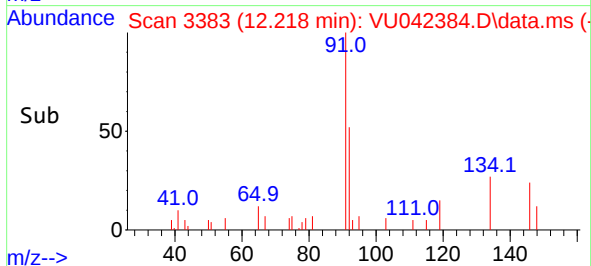
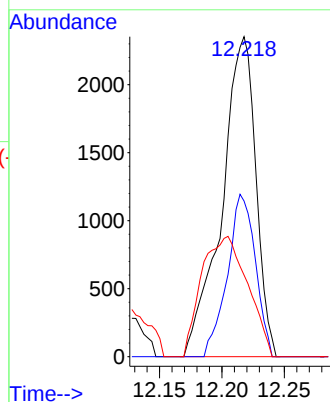
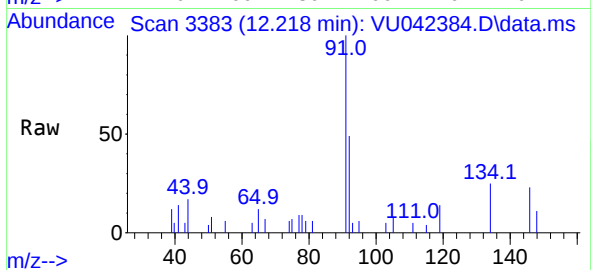
92 41.6 26.2 78.6

134 50.7 12.7 38.1#

Instrument :

MSVOA_U

ClientSampled :



#90

Hexachloroethane

Concen: 1.36 ug/l

RT: 12.578 min Scan# 3495

Delta R.T. 0.093 min

Lab File: VU042384.D

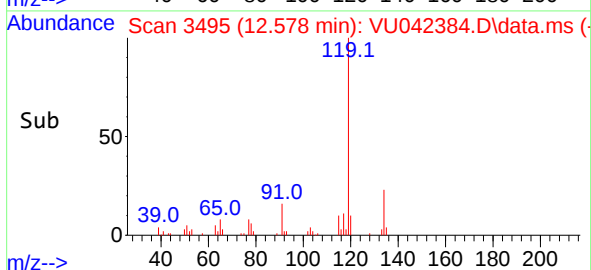
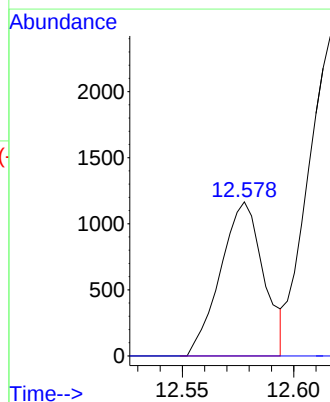
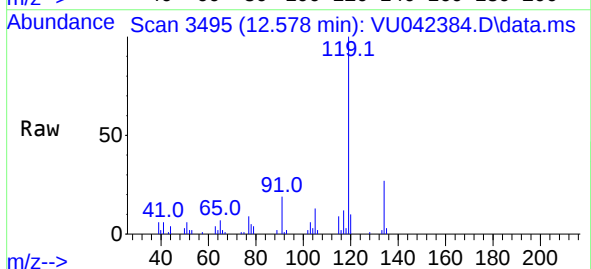
Acq: 22 Feb 2021 11:13

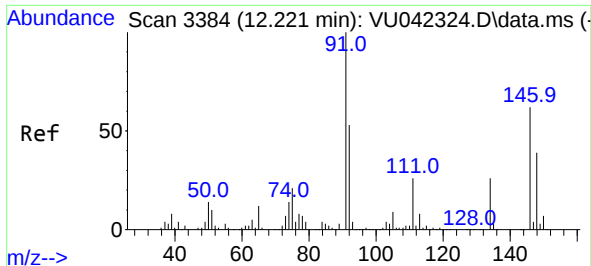
Tgt Ion:117 Resp: 1571

Ion Ratio Lower Upper

117 100

201 0.0 43.5 130.7#

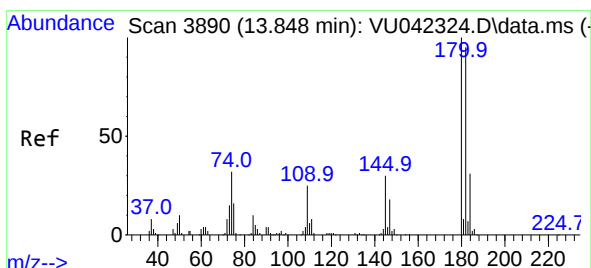
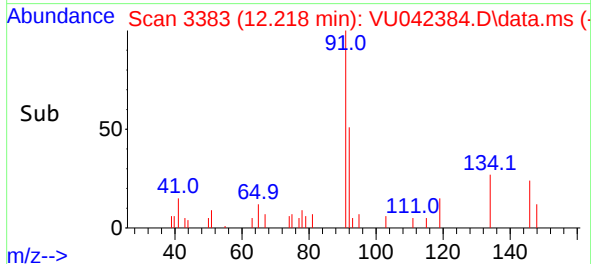
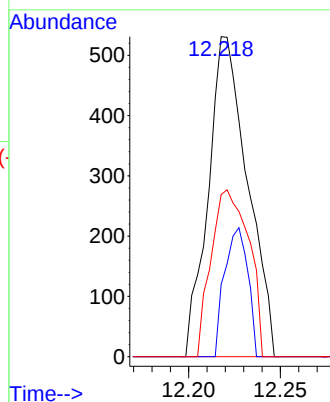
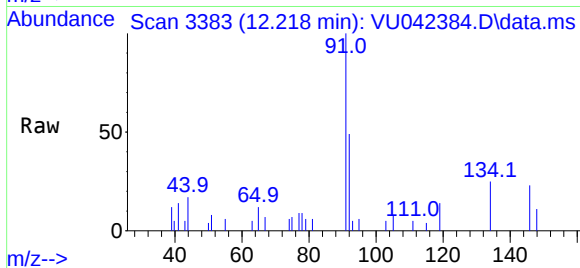




#91
1,2-Dichlorobenzene
Concen: 0.23 ug/l
RT: 12.218 min Scan# 3383
Delta R.T. -0.003 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

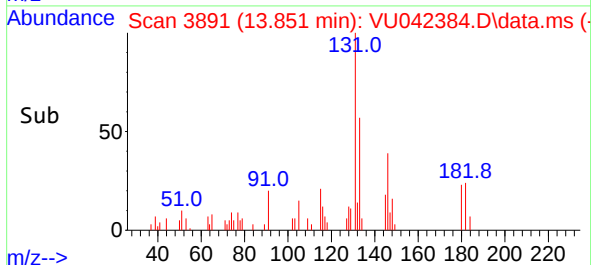
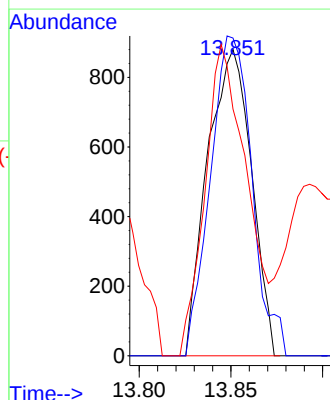
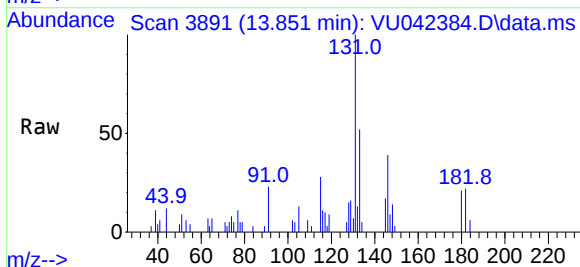
Instrument :
MSVOA_U
ClientSampleId :

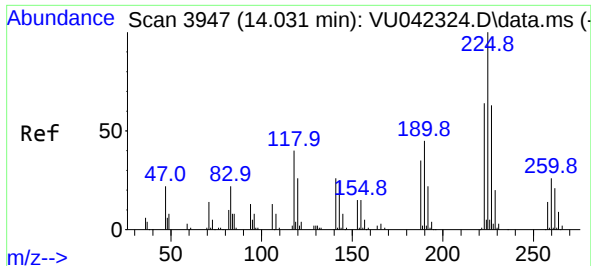
Tgt Ion:	146	Resp:	791
Ion	Ratio	Lower	Upper
146	100		
111	23.6	20.8	62.4
148	49.9	31.9	95.7



#93
1,2,4-Trichlorobenzene
Concen: 2.28 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion:	180	Resp:	1466
Ion	Ratio	Lower	Upper
180	100		
182	98.7	46.9	140.8
145	96.6	14.4	43.4#



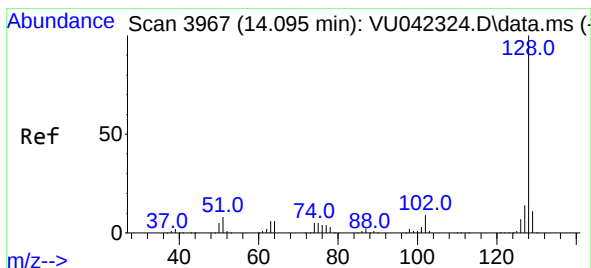
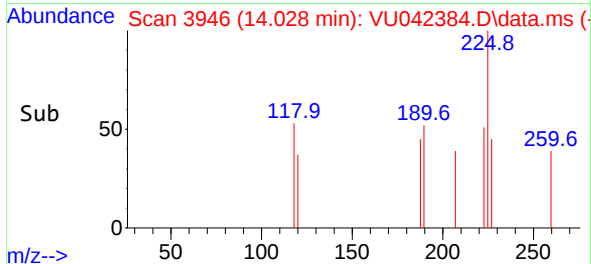
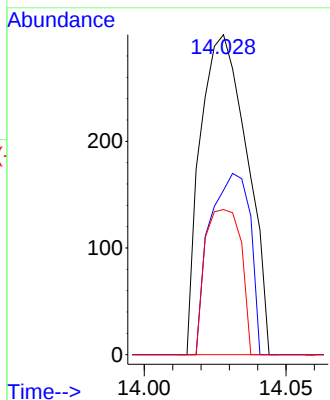
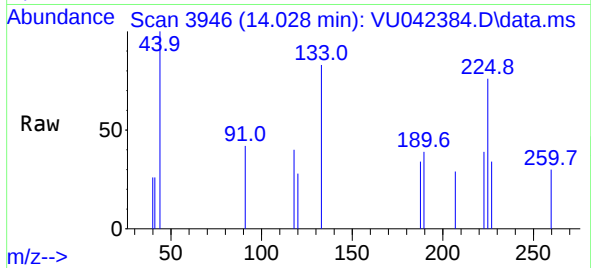


#94
Hexachlorobutadiene
Concen: 0.29 ug/l
RT: 14.028 min Scan# 3946
Delta R.T. -0.003 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:225 Resp: 342

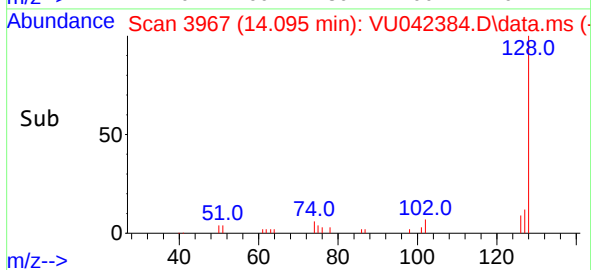
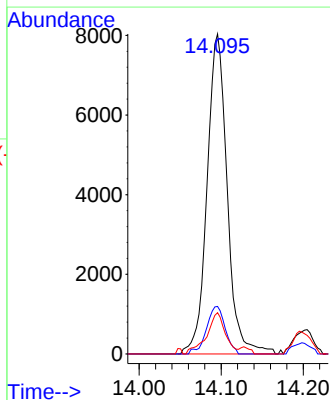
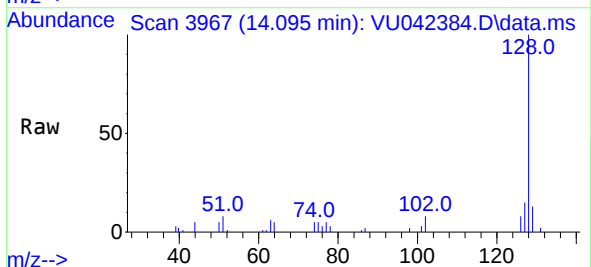
Ion	Ratio	Lower	Upper
225	100		
223	49.1	32.3	96.9
227	34.8	31.8	95.4

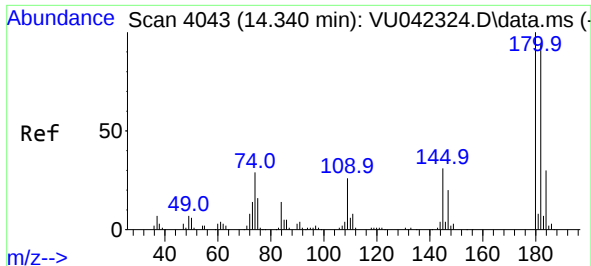


#95
Naphthalene
Concen: 4.02 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042384.D
Acq: 22 Feb 2021 11:13

Tgt Ion:128 Resp: 13696

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	12.0	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.44 ug/l
 RT: 14.337 min Scan# 4042
 Delta R.T. -0.003 min
 Lab File: VU042384.D
 Acq: 22 Feb 2021 11:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:180 Resp: 1846
 Ion Ratio Lower Upper
 180 100
 182 93.2 48.0 144.0
 145 0.0 15.5 46.5#

