

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
 Data File : VU043044.D
 Acq On : 13 Apr 2021 12:23
 Operator : SY/MD
 Sample : M1952-01ME
 Misc : 5.09g/10mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 13 14:29:58 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

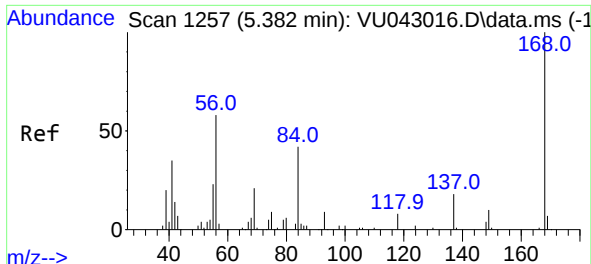
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.375	168	146380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	246415	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.430	117	230532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.825	152	108851	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	124913	50.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.52%	
35) Dibromofluoromethane	5.298	113	84316	45.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.08%	
50) Toluene-d8	7.906	98	311638	47.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.12%	
62) 4-Bromofluorobenzene	10.651	95	110531	42.13	ug/l	0.01
Spiked Amount 50.000			Recovery	=	84.26%	
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	528	Below Cal	#	41
5) Bromomethane	1.861	94	432	0.48	ug/l #	75
10) Methyl Iodide	2.703	142	713	0.38	ug/l #	53
13) Acrolein	2.256	56	43	10.52	ug/l #	70
16) Acetone	2.665	43	53772	36.87	ug/l	95
18) Methyl Acetate	2.967	43	955	0.31	ug/l #	55
29) Tetrahydrofuran	5.089	42	1123	0.80	ug/l #	82
31) Cyclohexane	5.372	56	3667	1.21	ug/l #	27
36) 1,1-Dichloropropene	5.372	75	13433	5.14	ug/l #	50
38) Carbon Tetrachloride	5.378	117	14760	5.27	ug/l #	17
41) Methacrylonitrile	5.083	41	935	0.40	ug/l #	42
52) Toluene	7.980	92	14755	3.19	ug/l	96
68) m/p-Xylenes	9.703	106	1742	0.53	ug/l	83
69) o-Xylene	10.115	106	1164	0.36	ug/l	83
74) N-amyl acetate	10.343	43	1765	0.38	ug/l #	73
76) 1,2,3-Trichloropropane	10.651	75	64190	20.18	ug/l #	37
78) n-propylbenzene	10.918	91	3803	0.43	ug/l	100
79) 2-Chlorotoluene	11.008	91	1922	0.36	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.102	105	3548	0.55	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.651	75	64190	59.30	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.478	105	12945	1.95	ug/l	98
85) sec-Butylbenzene	11.655	105	2278	0.31	ug/l	86
86) p-Isopropyltoluene	11.758	119	1894	0.28	ug/l	89
89) n-Butylbenzene	12.217	91	5296	0.83	ug/l #	58
90) Hexachloroethane	12.475	117	562	0.44	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.851	180	1171	1.96	ug/l #	91
94) Hexachlorobutadiene	14.034	225	160	Below Cal	#	26
95) Naphthalene	14.098	128	11360	4.10	ug/l	98
96) 1,2,3-Trichlorobenzene	14.336	180	1548	2.08	ug/l #	85

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

Quant Time: Apr 13 14:29:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 2021
Response via : Initial Calibration

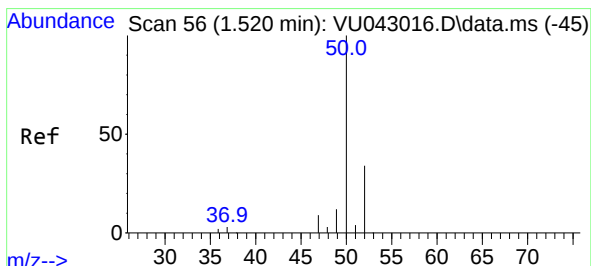
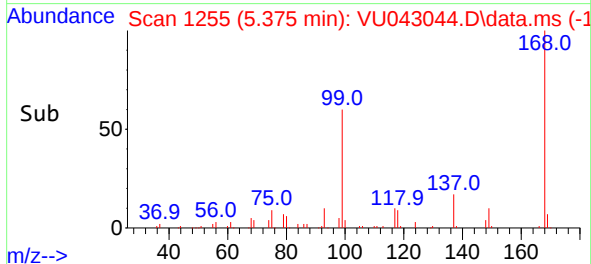
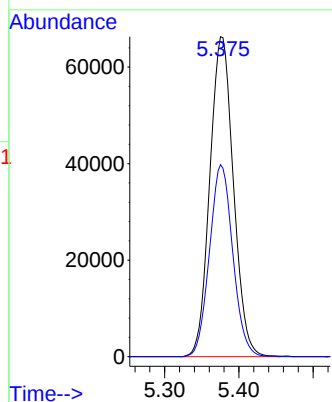
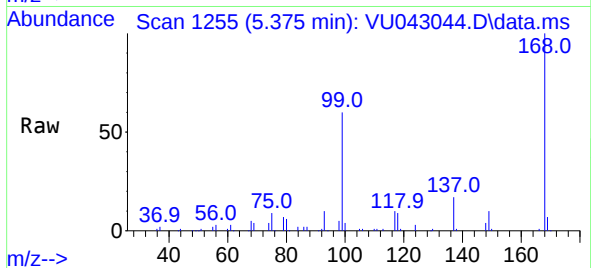




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.007 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

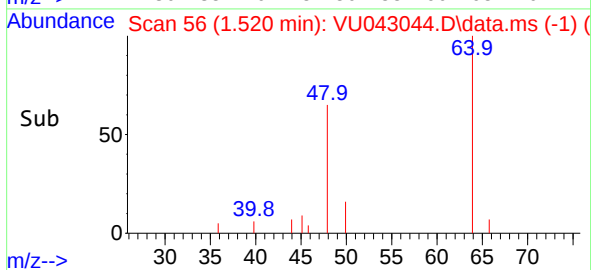
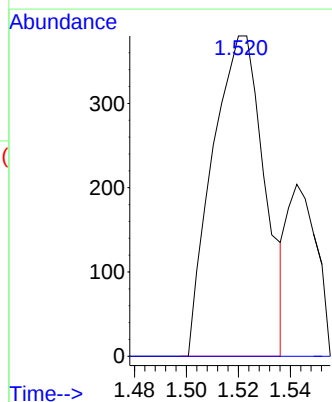
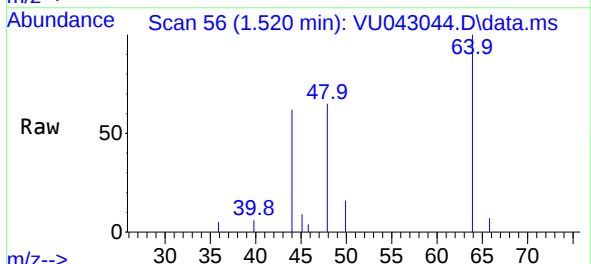
Instrument :
MSVOA_U
ClientSampled :

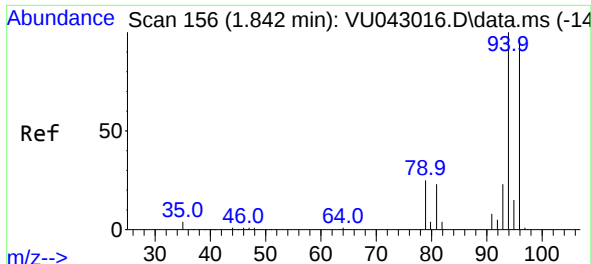
Tgt Ion:168 Resp: 146380
Ion Ratio Lower Upper
168 100
99 60.0 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion: 50 Resp: 528
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

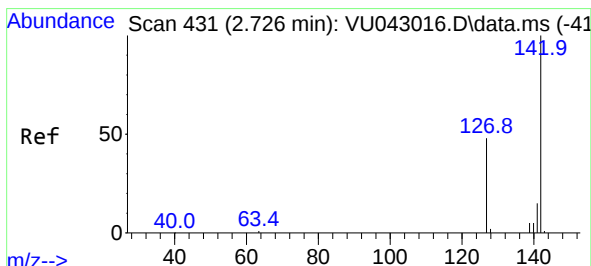
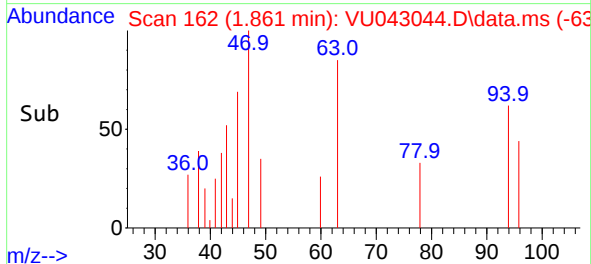
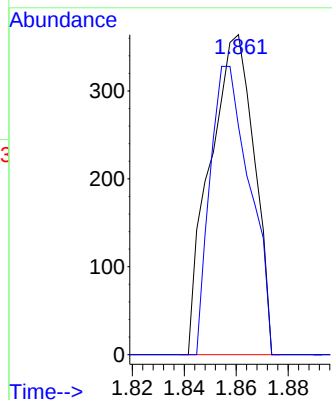
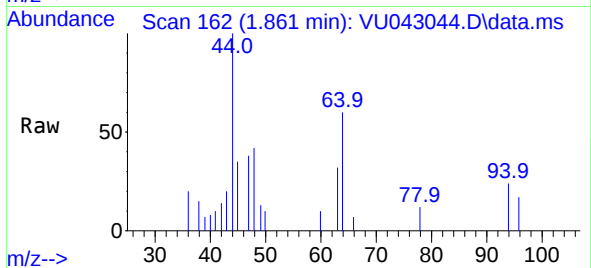




#5
Bromomethane
Concen: 0.48 ug/l
RT: 1.861 min Scan# 162
Delta R.T. 0.019 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

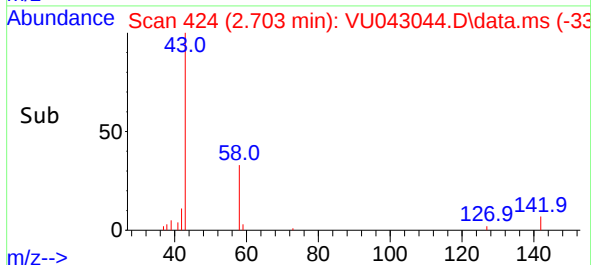
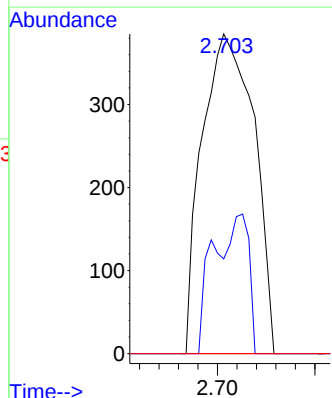
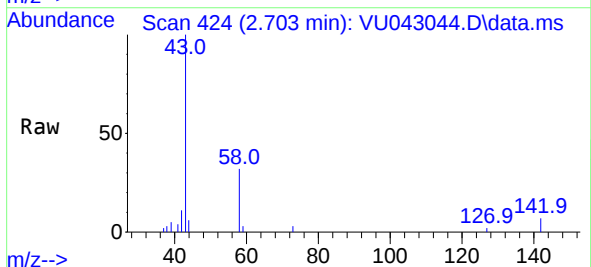
Instrument :
MSVOA_U
ClientSampled :

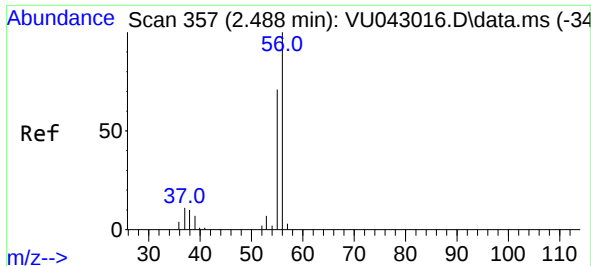
Tgt Ion: 94 Resp: 432
Ion Ratio Lower Upper
94 100
96 71.4 76.6 115.0#



#10
Methyl Iodide
Concen: 0.38 ug/l
RT: 2.703 min Scan# 424
Delta R.T. -0.023 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion: 142 Resp: 713
Ion Ratio Lower Upper
142 100
127 13.2 37.8 56.6#
141 0.0 11.8 17.6#

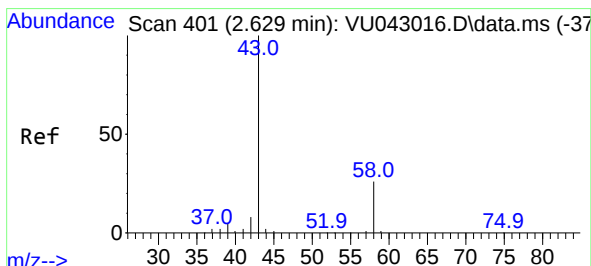
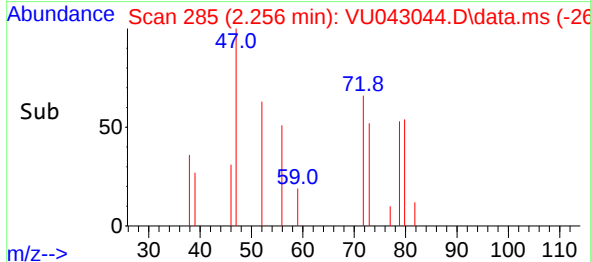
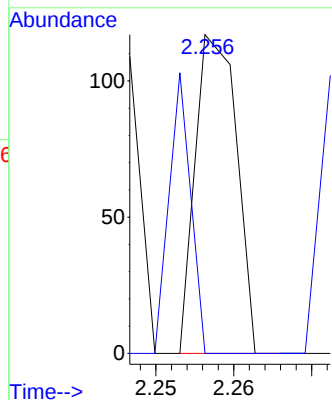
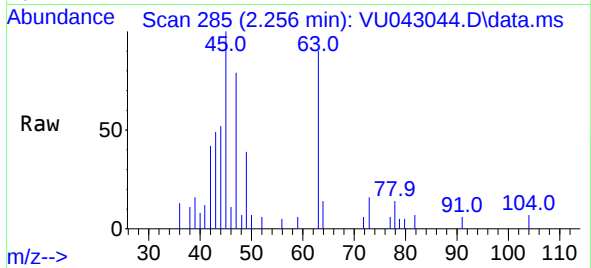




#13
Acrolein
Concen: 10.52 ug/l
RT: 2.256 min Scan# 285
Delta R.T. -0.232 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

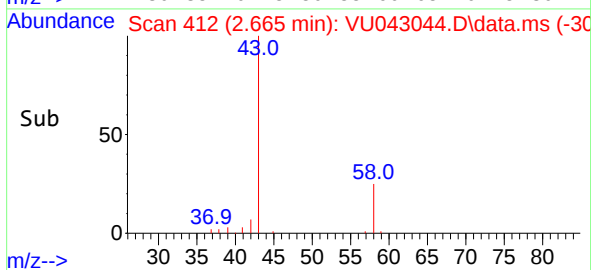
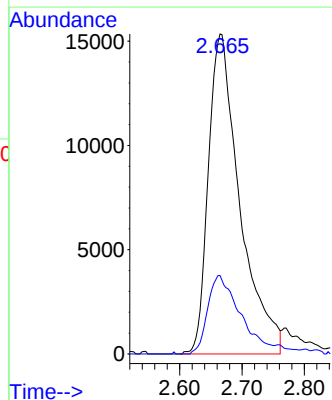
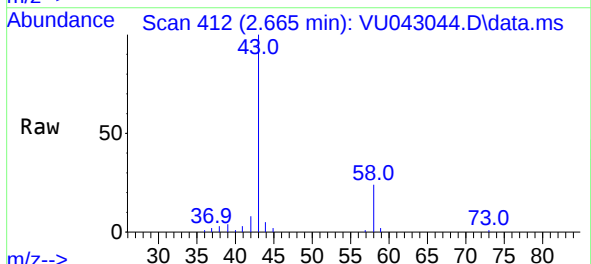
Instrument :
MSVOA_U
ClientSampleId :

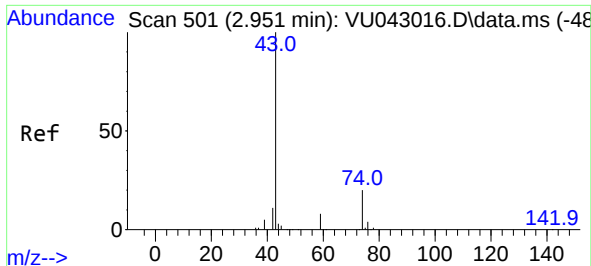
Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 46.5 57.3 85.9#



#16
Acetone
Concen: 36.87 ug/l
RT: 2.665 min Scan# 412
Delta R.T. 0.036 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion: 43 Resp: 53772
Ion Ratio Lower Upper
43 100
58 24.5 21.5 32.3

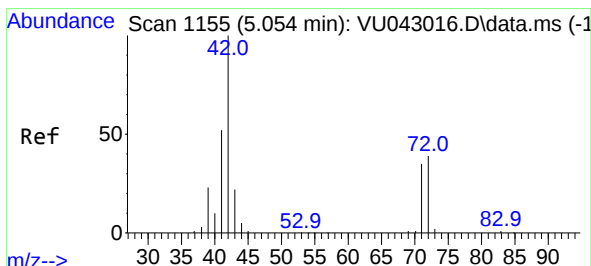
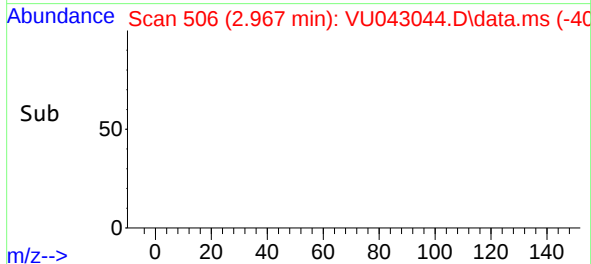
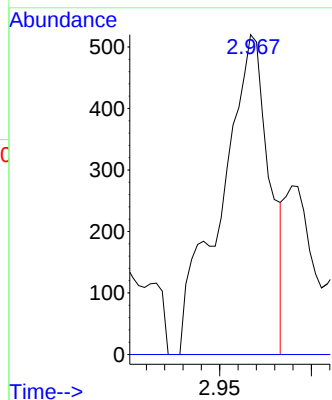
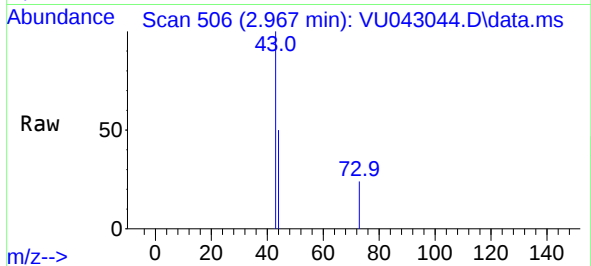




#18
Methyl Acetate
Concen: 0.31 ug/l
RT: 2.967 min Scan# 506
Delta R.T. 0.016 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

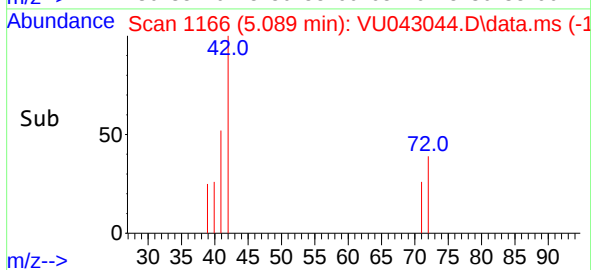
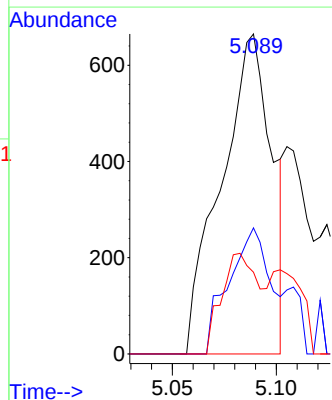
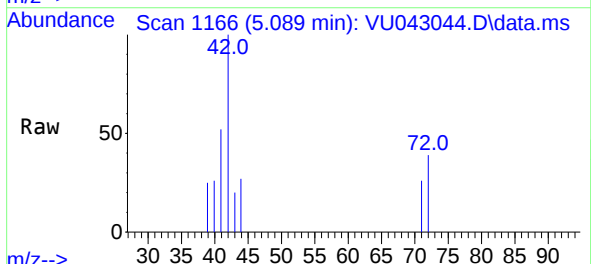
Instrument :
MSVOA_U
ClientSampled :

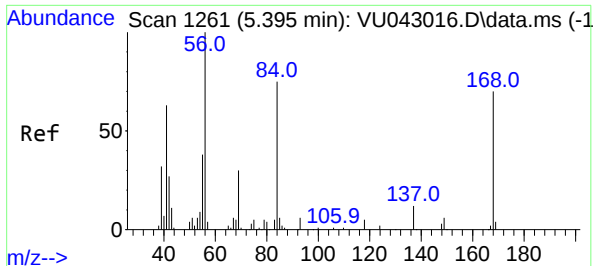
Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#29
Tetrahydrofuran
Concen: 0.80 ug/l
RT: 5.089 min Scan# 1166
Delta R.T. 0.035 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

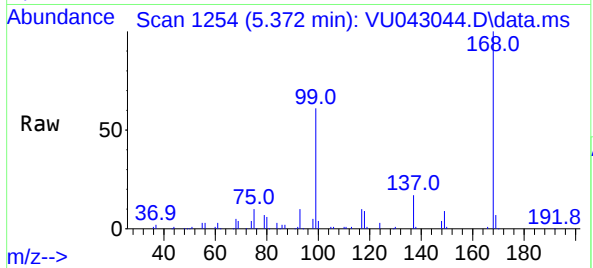
Tgt Ion: 42 Resp: 1123
Ion Ratio Lower Upper
42 100
72 32.4 31.5 47.3
71 21.5 29.5 44.3#



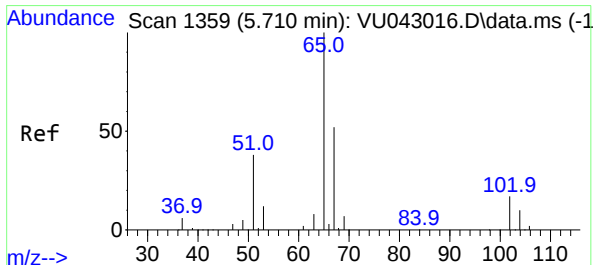
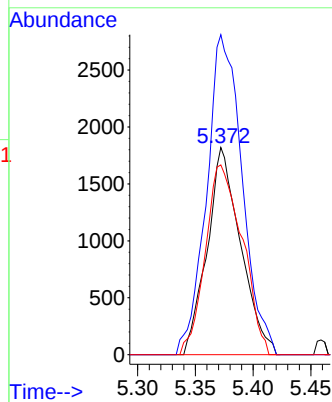
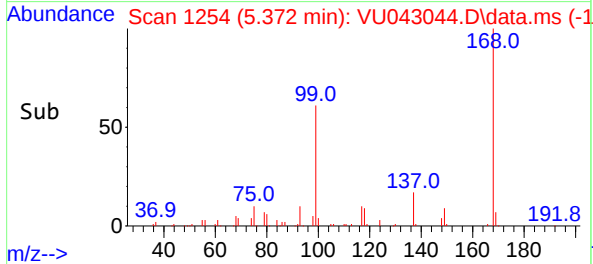


#31
Cyclohexane
Concen: 1.21 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.023 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

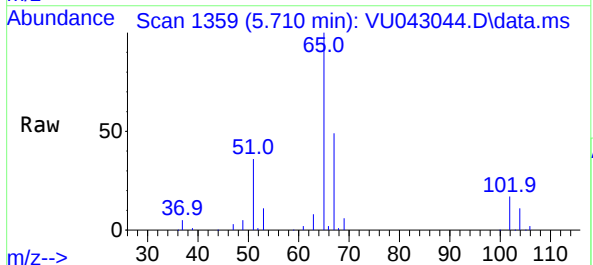
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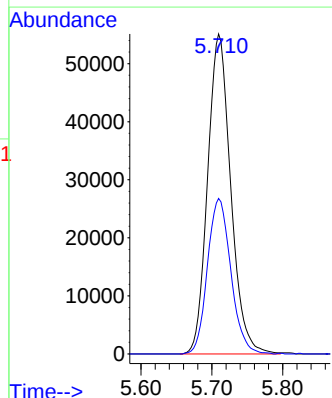
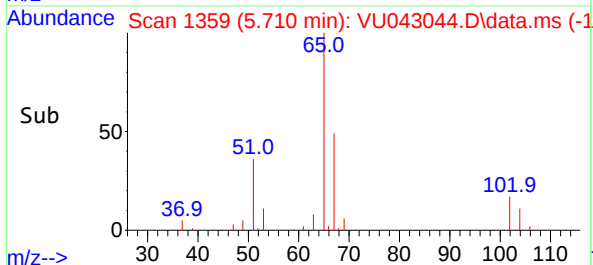
Tgt Ion: 56 Resp: 3667
Ion Ratio Lower Upper
56 100
69 154.5 24.9 37.3#
84 91.6 63.7 95.5

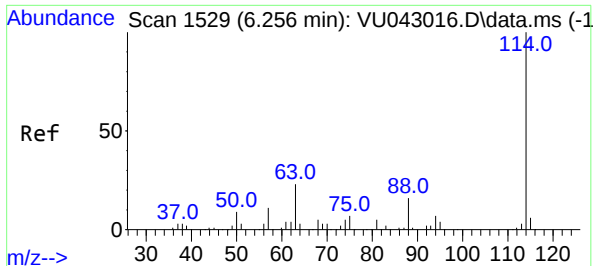


#33
1,2-Dichloroethane-d4
Concen: 50.76 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23



Tgt Ion: 65 Resp: 124913
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.8



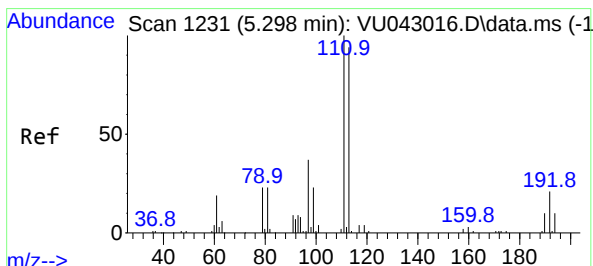
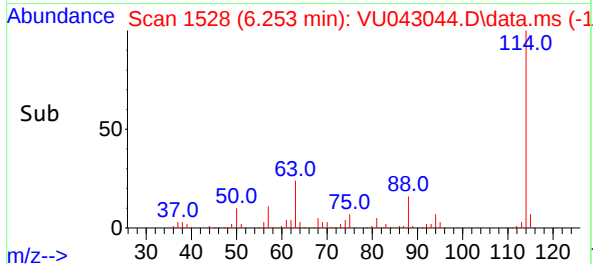
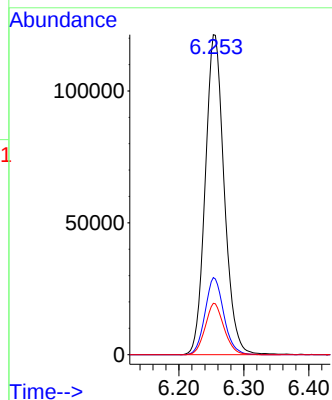
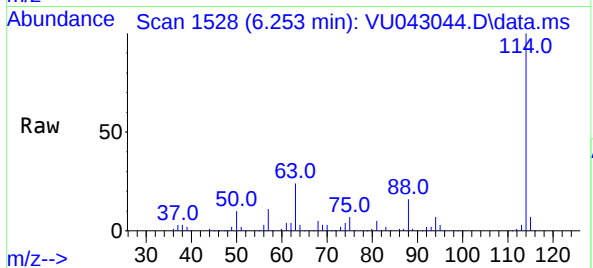


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.003 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Instrument :
MSVOA_U
ClientSampled :

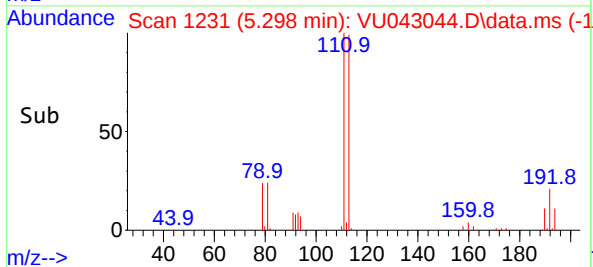
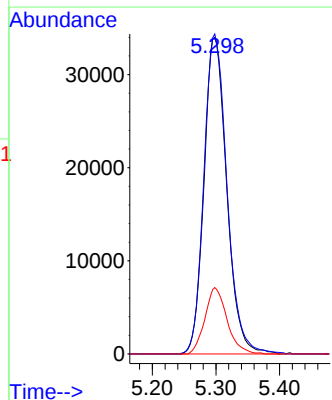
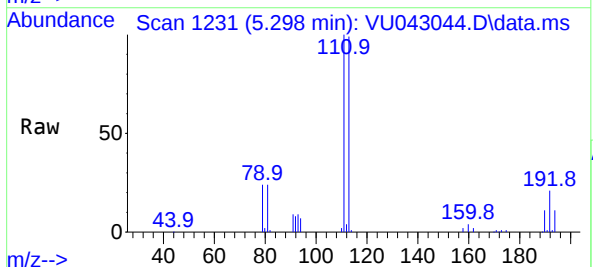
Tgt Ion:114 Resp: 246415
Ion Ratio Lower Upper
114 100
63 24.1 0.0 44.2
88 16.1 0.0 33.4

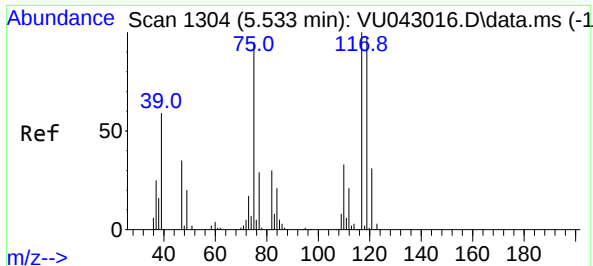


#35

Dibromofluoromethane
Concen: 45.54 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion:113 Resp: 84316
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.8
192 20.4 17.2 25.8

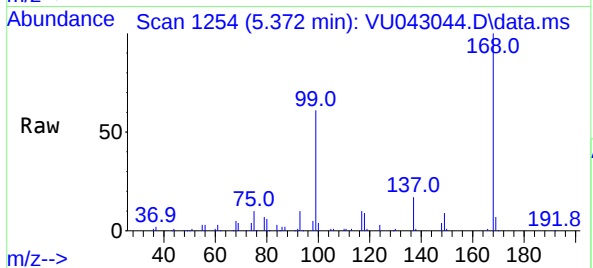




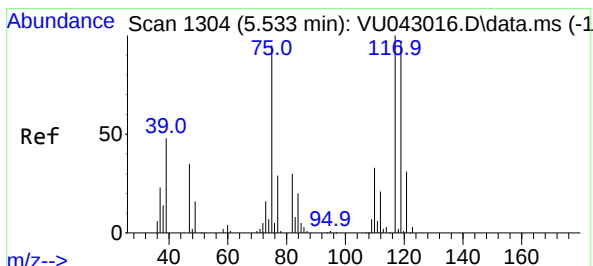
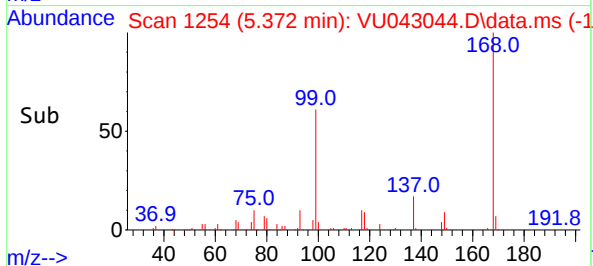
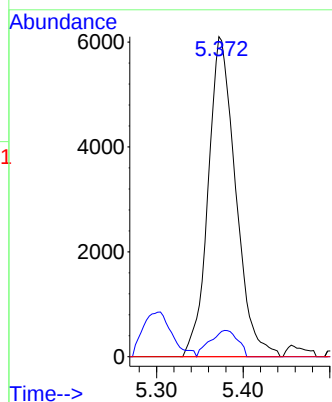
#36

1,1-Dichloropropene
Concen: 5.14 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.161 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Instrument :
MSVOA_U
ClientSampled :

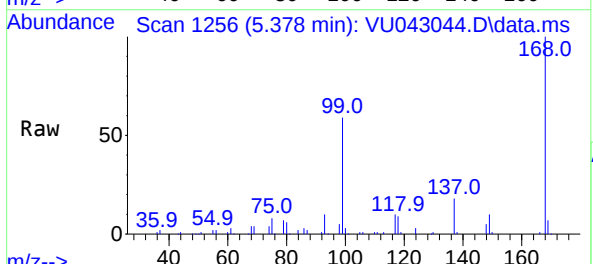


Tgt Ion:	75	Resp:	13433
Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.8	50.3#
77	0.0	24.8	37.2#

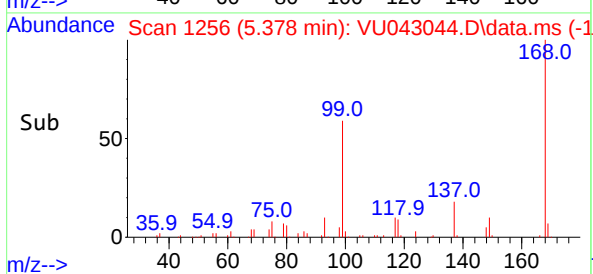
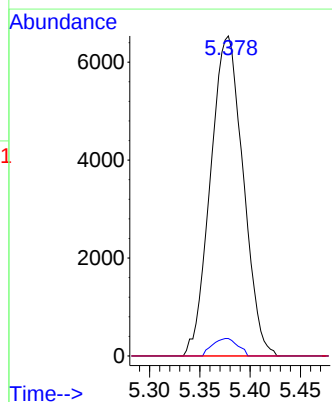


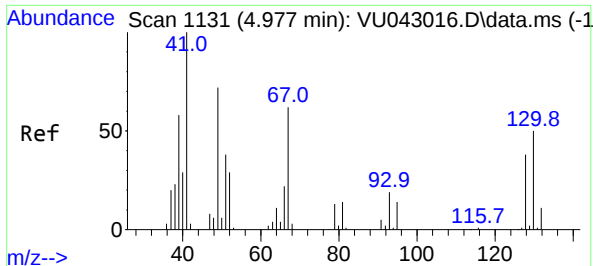
#38

Carbon Tetrachloride
Concen: 5.27 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.155 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23



Tgt Ion:	117	Resp:	14760
Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.5	113.3#
121	0.0	24.7	37.1#



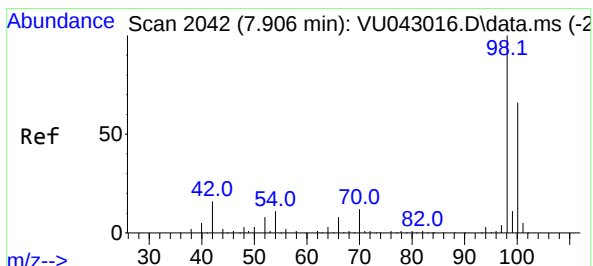
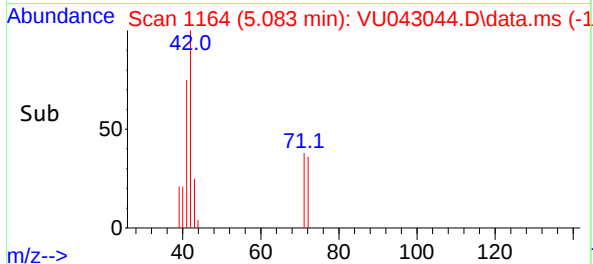
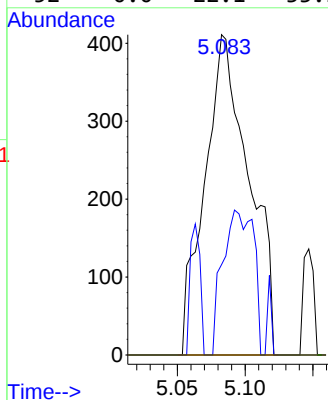
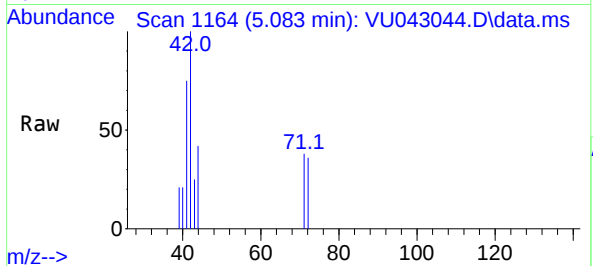


#41
Methacrylonitrile
Concen: 0.40 ug/l
RT: 5.083 min Scan# 1164
Delta R.T. 0.106 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 41 Resp: 935

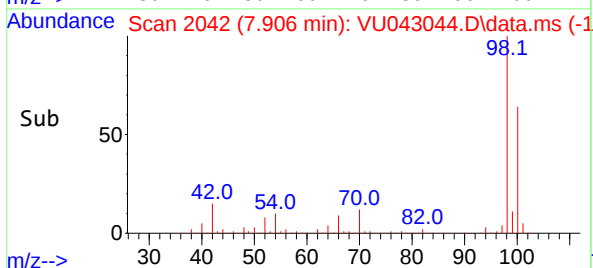
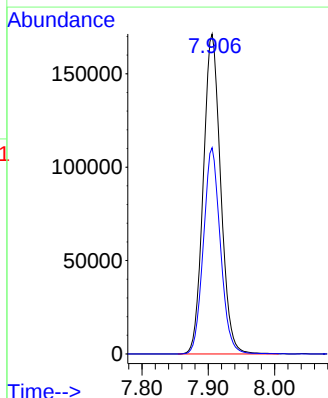
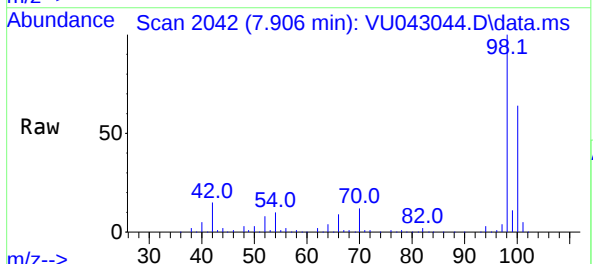
Ion	Ratio	Lower	Upper
41	100		
39	31.3	45.1	67.7#
67	0.0	50.2	75.2#
52	0.0	22.1	33.1#

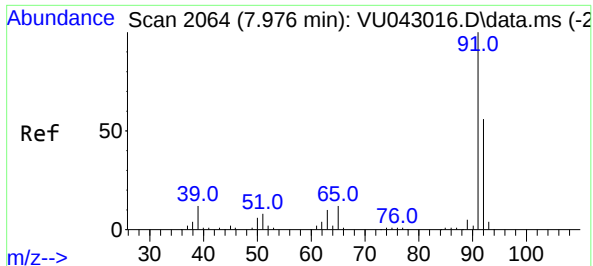


#50
Toluene-d8
Concen: 47.56 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion: 98 Resp: 311638

Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.2	75.2

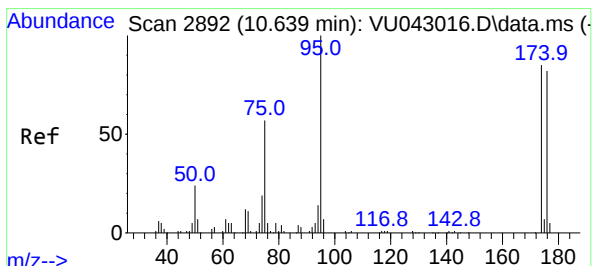
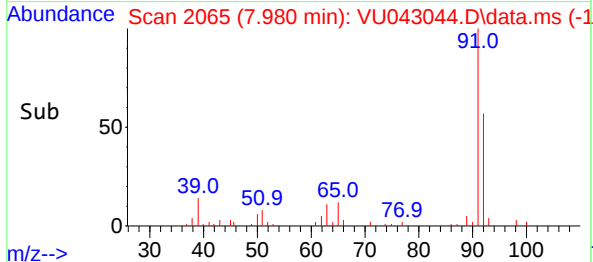
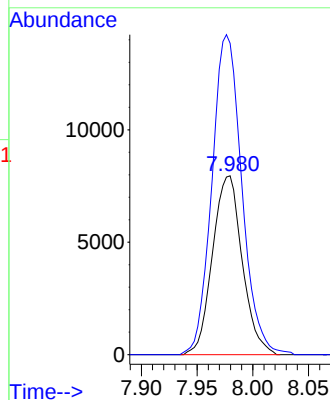
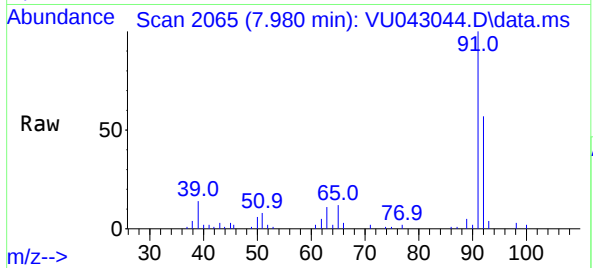




#52
Toluene
Concen: 3.19 ug/l
RT: 7.980 min Scan# 2065
Delta R.T. 0.004 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

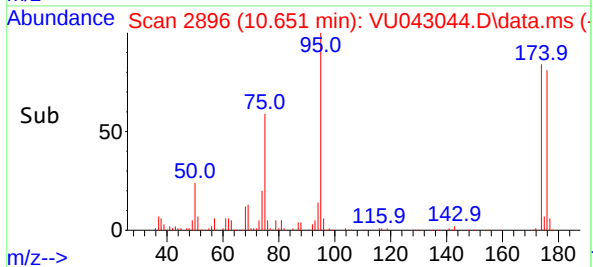
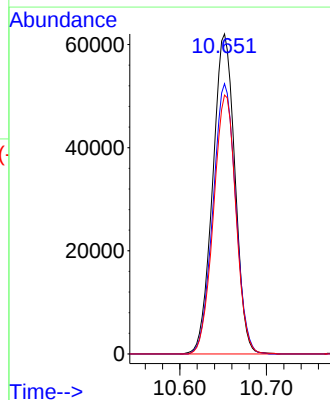
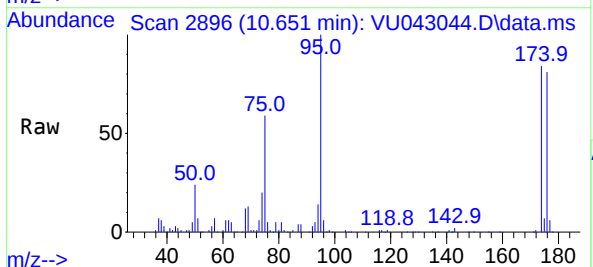
Instrument :
MSVOA_U
ClientSampled :

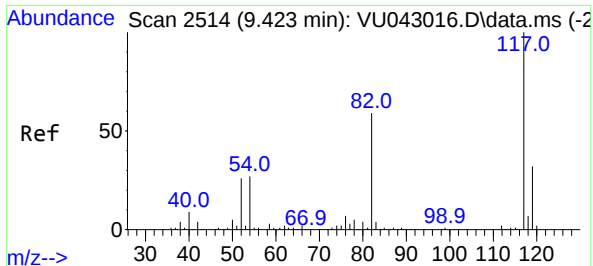
Tgt Ion: 92 Resp: 14755
Ion Ratio Lower Upper
92 100
91 180.4 140.3 210.5



#62
4-Bromofluorobenzene
Concen: 42.13 ug/l
RT: 10.651 min Scan# 2896
Delta R.T. 0.012 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion: 95 Resp: 110531
Ion Ratio Lower Upper
95 100
174 86.0 0.0 172.2
176 81.7 0.0 168.8

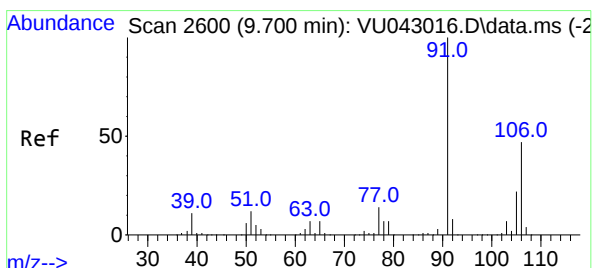
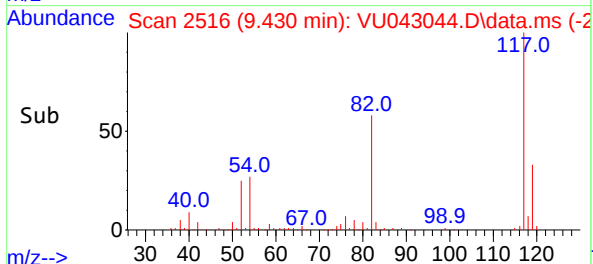
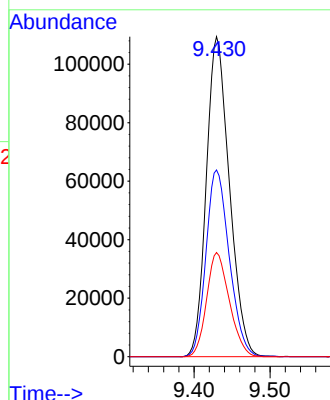
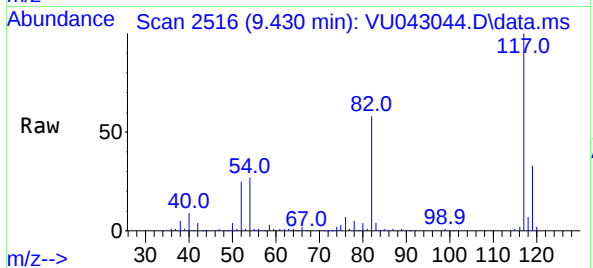




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.430 min Scan# 2516
Delta R.T. 0.007 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

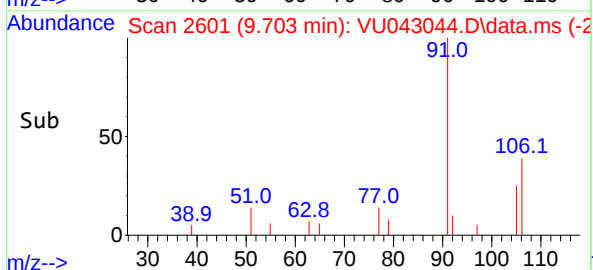
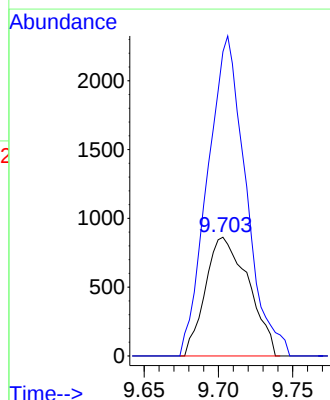
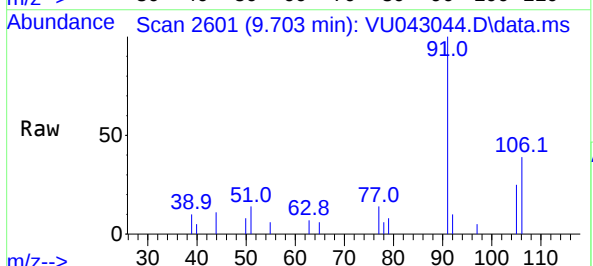
Instrument :
MSVOA_U
ClientSampled :

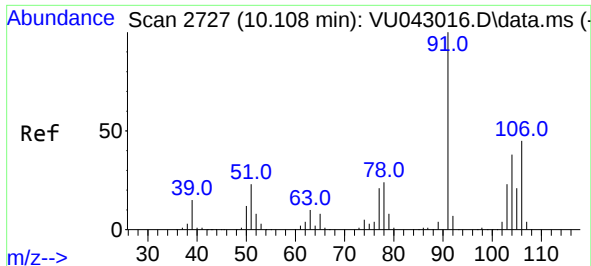
Tgt Ion:117 Resp: 230532
Ion Ratio Lower Upper
117 100
82 58.3 45.8 68.6
119 32.5 25.8 38.8



#68
m/p-Xylenes
Concen: 0.53 ug/l
RT: 9.703 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion:106 Resp: 1742
Ion Ratio Lower Upper
106 100
91 238.9 169.9 254.9

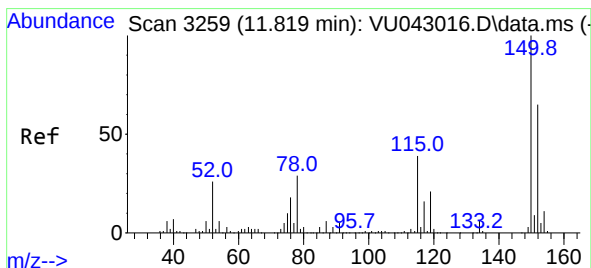
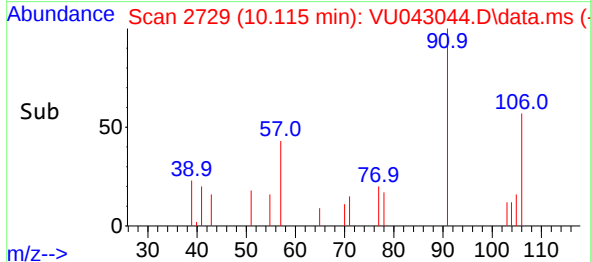
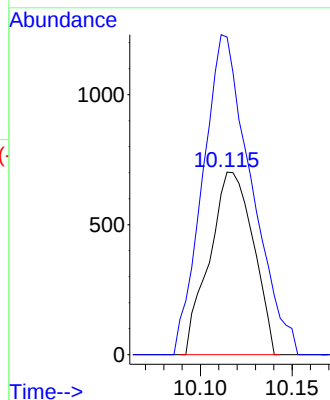
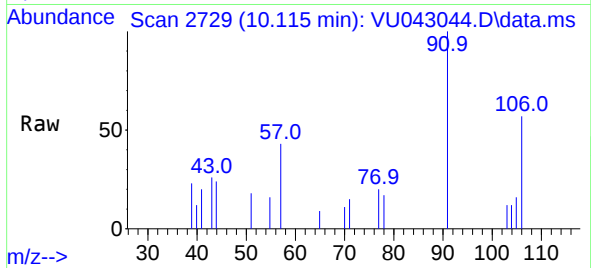




#69
o-Xylene
Concen: 0.36 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. 0.006 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

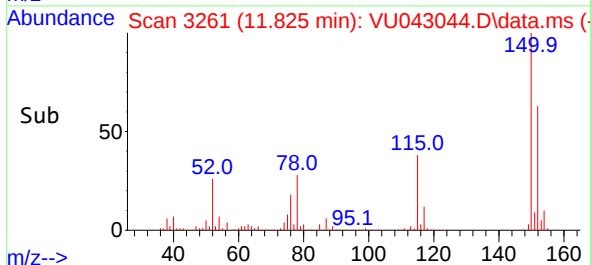
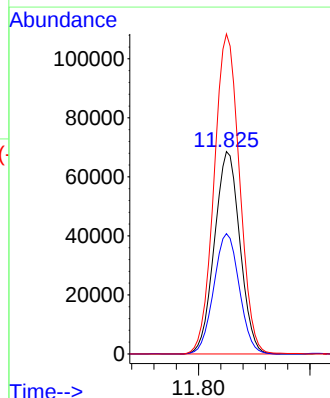
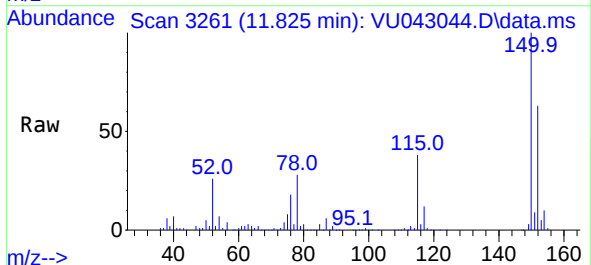
Instrument :
MSVOA_U
ClientSampled :

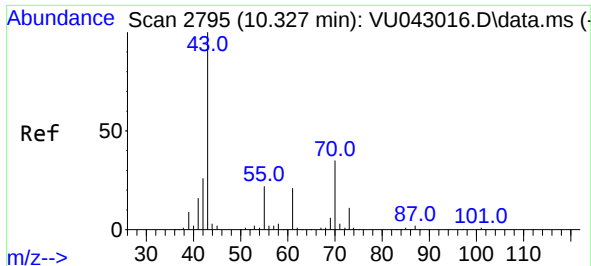
Tgt Ion:106 Resp: 1164
Ion Ratio Lower Upper
106 100
91 194.4 111.2 333.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.825 min Scan# 3261
Delta R.T. 0.006 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion:152 Resp: 108851
Ion Ratio Lower Upper
152 100
115 59.7 41.5 124.6
150 158.0 0.0 342.4



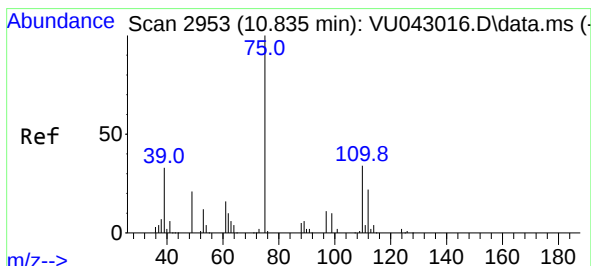
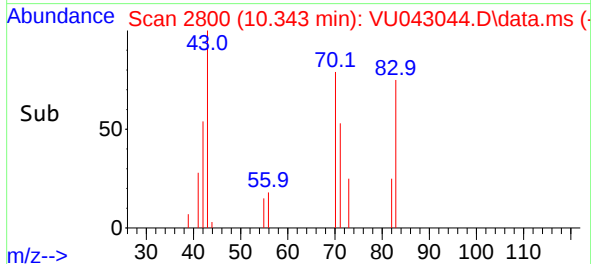
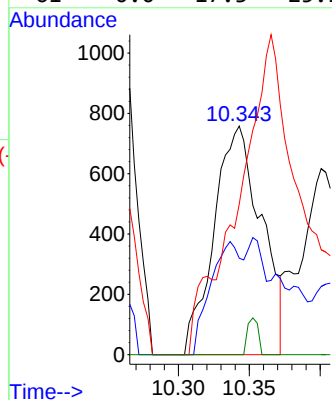
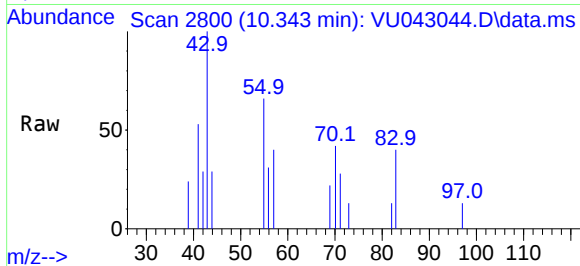


#74
N-amy1 acetate
Concen: 0.38 ug/l
RT: 10.343 min Scan# 2800
Delta R.T. 0.016 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 43 Resp: 1765

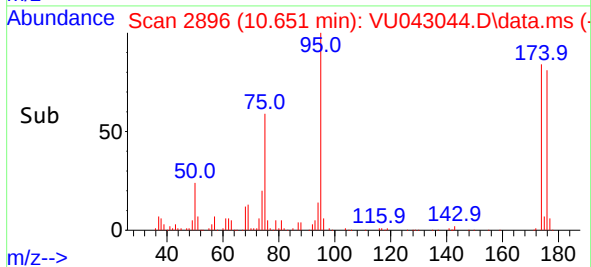
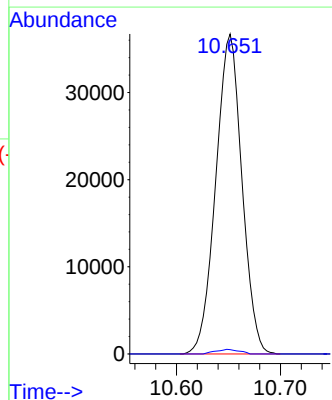
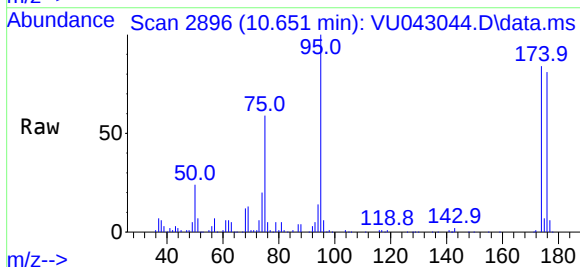
Ion	Ratio	Lower	Upper
43	100		
70	33.2	28.3	42.5
55	0.0	17.2	25.8#
61	0.0	17.3	25.9#

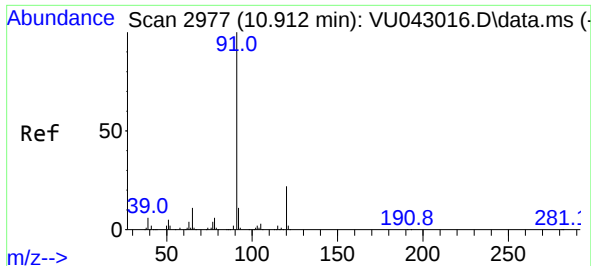


#76
1,2,3-Trichloropropane
Concen: 20.18 ug/l
RT: 10.651 min Scan# 2896
Delta R.T. -0.184 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion: 75 Resp: 64190

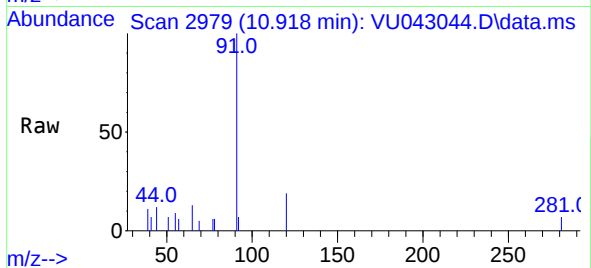
Ion	Ratio	Lower	Upper
75	100		
77	1.3	20.2	60.5#



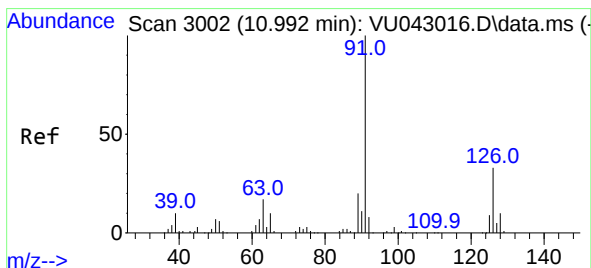
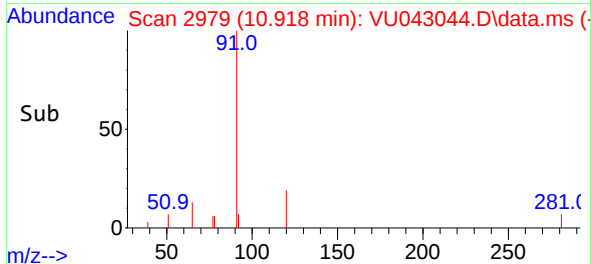
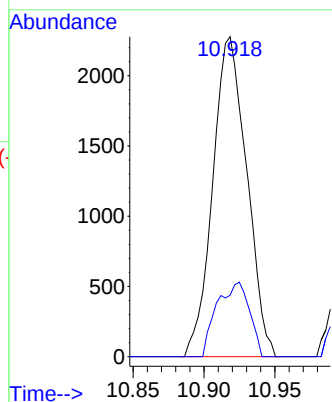


#78
n-propylbenzene
Concen: 0.43 ug/l
RT: 10.918 min Scan# 2979
Delta R.T. 0.006 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Instrument :
MSVOA_U
ClientSampled :

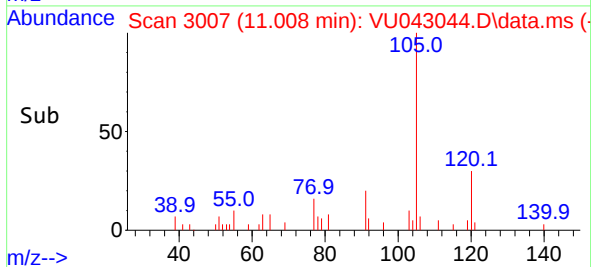
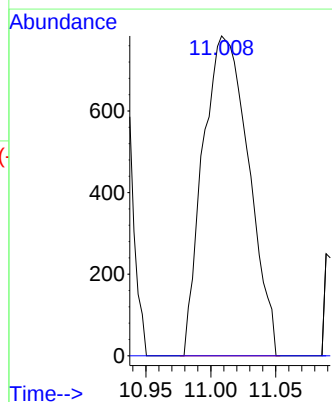
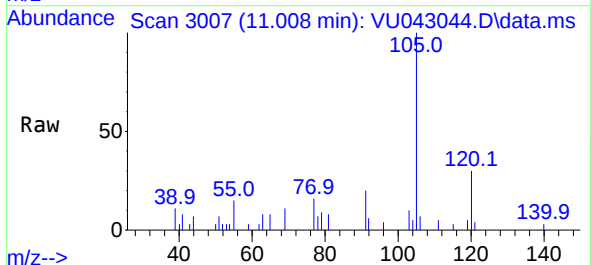


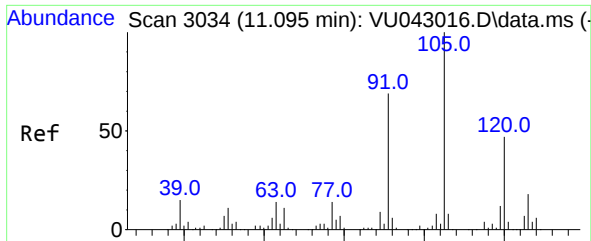
Tgt Ion: 91 Resp: 3803
Ion Ratio Lower Upper
91 100
120 22.2 11.2 33.6



#79
2-Chlorotoluene
Concen: 0.36 ug/l
RT: 11.008 min Scan# 3007
Delta R.T. 0.016 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion: 91 Resp: 1922
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.0#

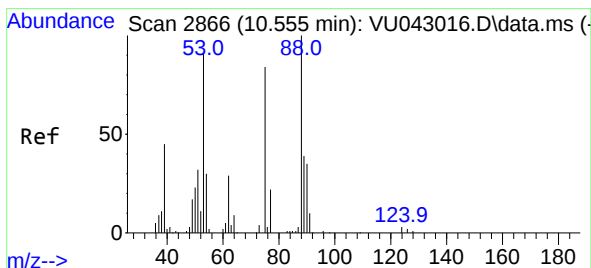
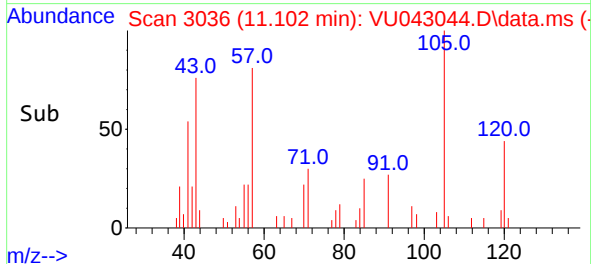
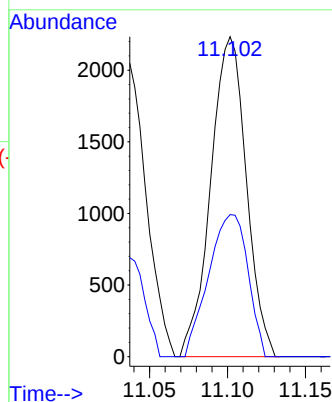
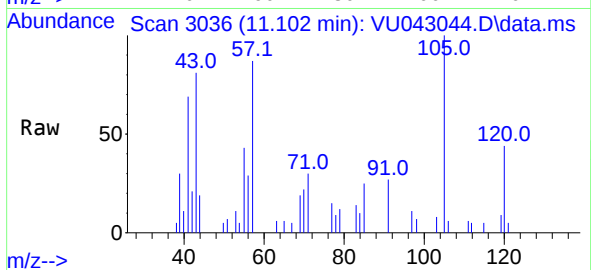




#80
1,3,5-Trimethylbenzene
Concen: 0.55 ug/l
RT: 11.102 min Scan# 3036
Delta R.T. 0.007 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

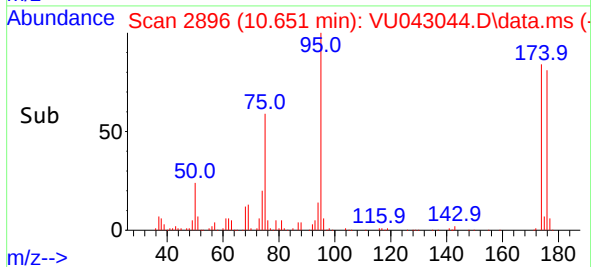
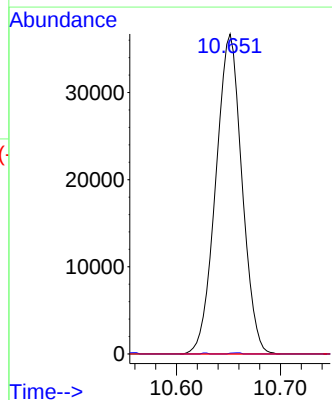
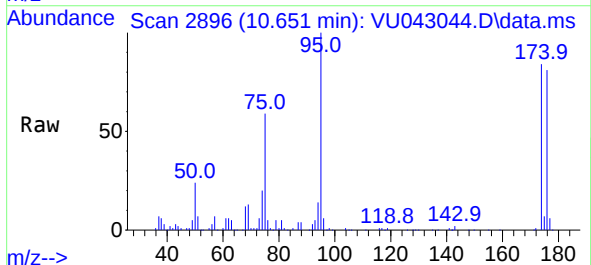
Instrument :
MSVOA_U
ClientSampled :

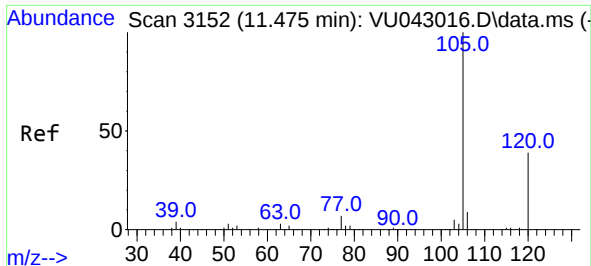
Tgt Ion:105 Resp: 3548
Ion Ratio Lower Upper
105 100
120 49.0 23.8 71.4



#81
trans-1,4-Dichloro-2-butene
Concen: 59.30 ug/l
RT: 10.651 min Scan# 2896
Delta R.T. 0.096 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion: 75 Resp: 64190
Ion Ratio Lower Upper
75 100
53 0.1 85.6 128.4#
89 0.0 35.7 53.5#

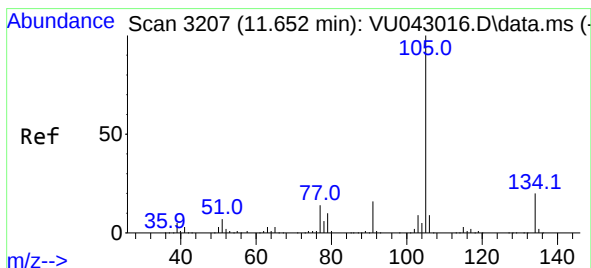
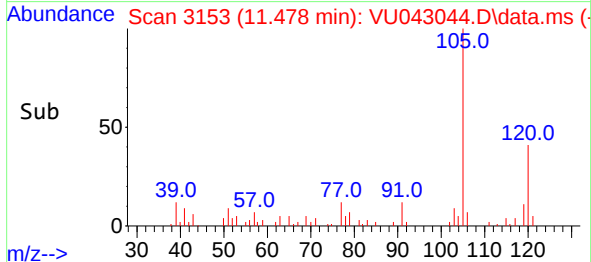
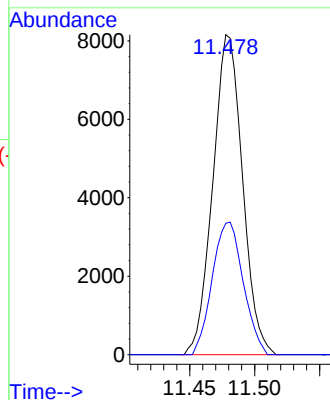
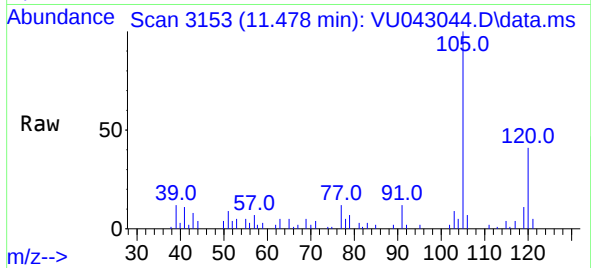




#84
1,2,4-Trimethylbenzene
Concen: 1.95 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

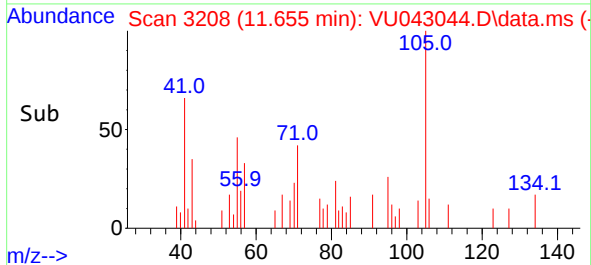
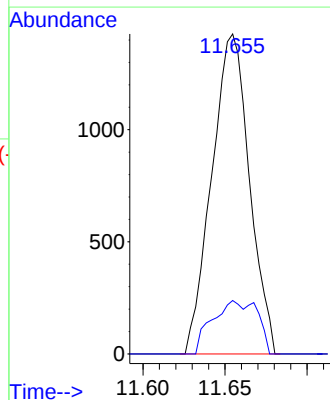
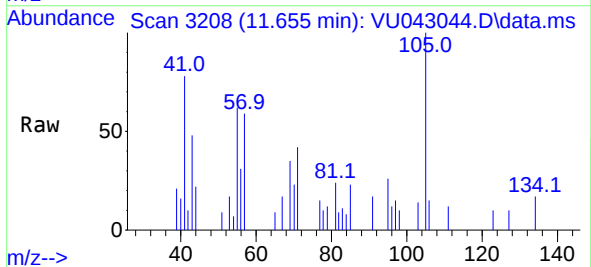
Instrument :
MSVOA_U
ClientSampled :

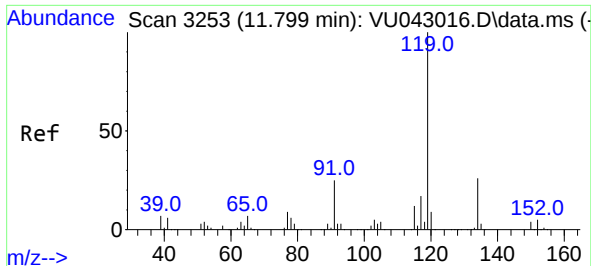
Tgt Ion:105 Resp: 12945
Ion Ratio Lower Upper
105 100
120 43.2 22.3 66.8



#85
sec-Butylbenzene
Concen: 0.31 ug/l
RT: 11.655 min Scan# 3208
Delta R.T. 0.003 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion:105 Resp: 2278
Ion Ratio Lower Upper
105 100
134 13.7 10.0 30.0



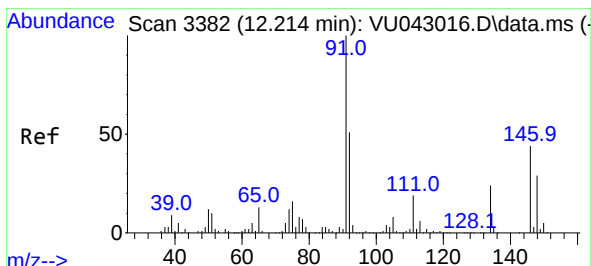
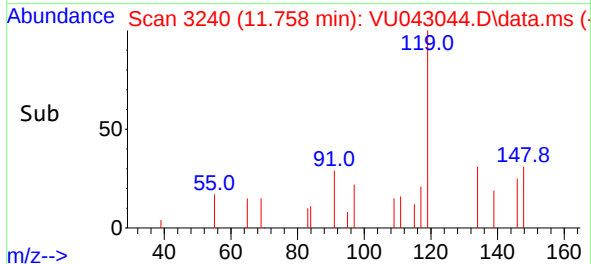
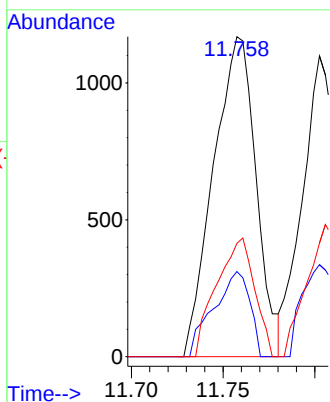
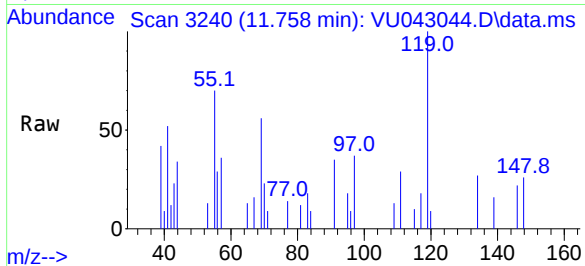


#86
p-Isopropyltoluene
Concen: 0.28 ug/l
RT: 11.758 min Scan# 3240
Delta R.T. -0.041 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:119 Resp: 1894

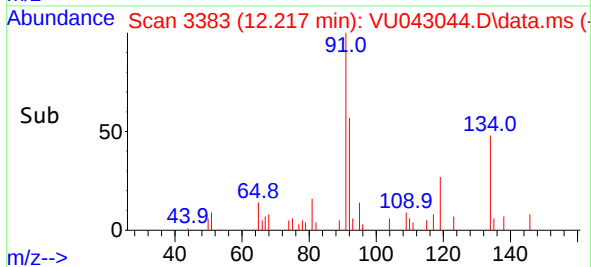
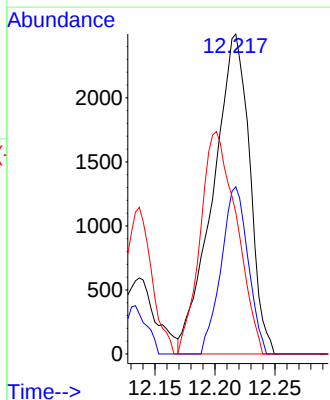
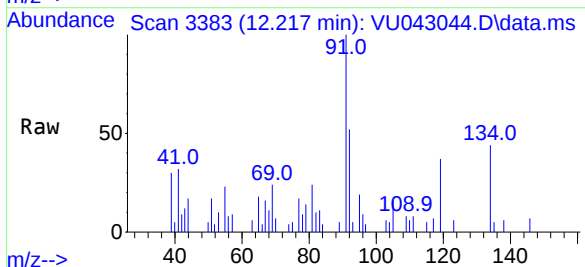
Ion	Ratio	Lower	Upper
119	100		
134	22.6	13.2	39.6
91	33.1	12.8	38.3

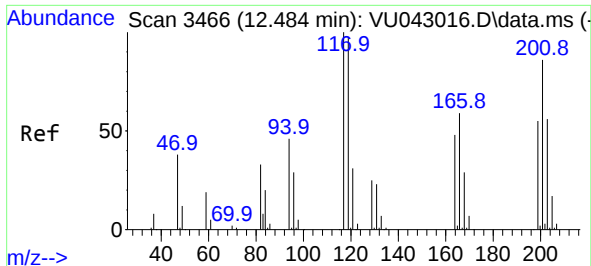


#89
n-Butylbenzene
Concen: 0.83 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion: 91 Resp: 5296

Ion	Ratio	Lower	Upper
91	100		
92	38.4	26.2	78.6
134	68.9	12.7	38.1#

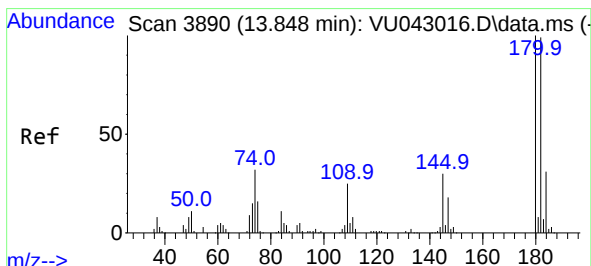
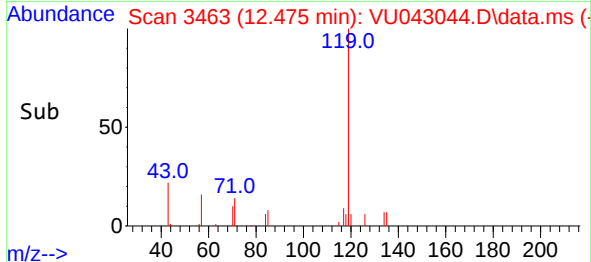
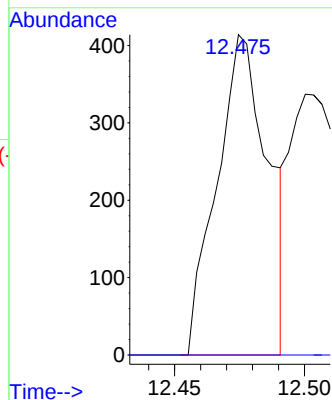
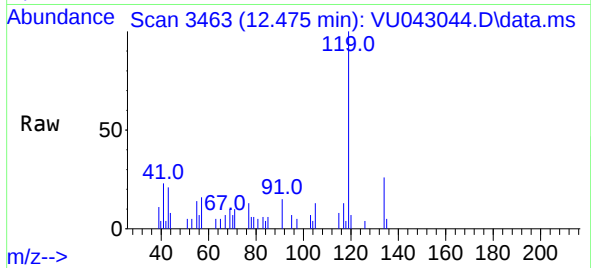




#90
Hexachloroethane
Concen: 0.44 ug/l
RT: 12.475 min Scan# 3463
Delta R.T. -0.009 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

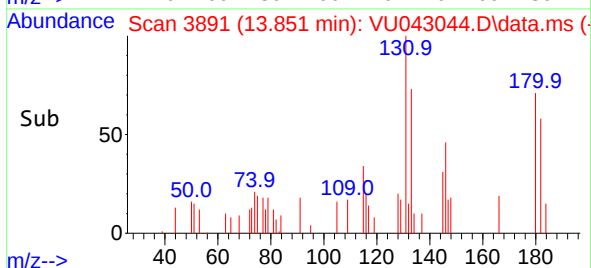
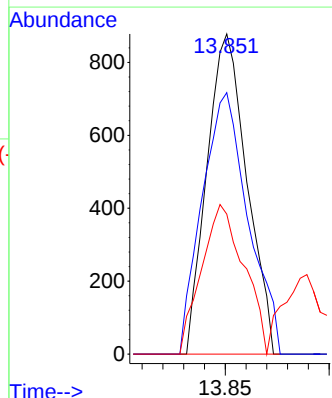
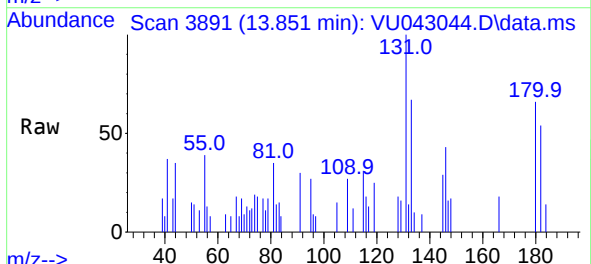
Instrument :
MSVOA_U
ClientSampleId :

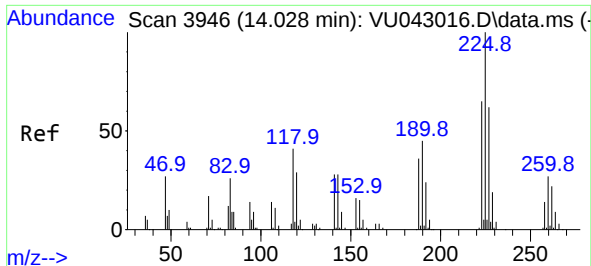
Tgt Ion:117 Resp: 562
Ion Ratio Lower Upper
117 100
201 0.0 43.5 130.7#



#93
1,2,4-Trichlorobenzene
Concen: 1.96 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

Tgt Ion:180 Resp: 1171
Ion Ratio Lower Upper
180 100
182 94.1 46.9 140.8
145 49.6 14.4 43.4#

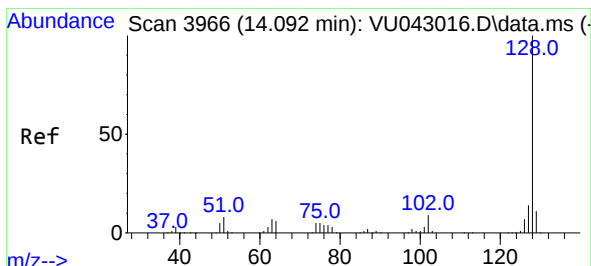
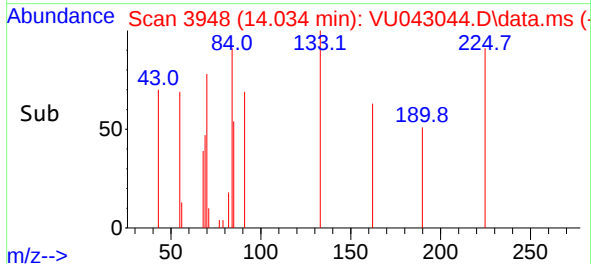
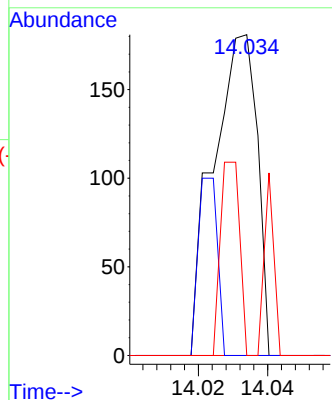
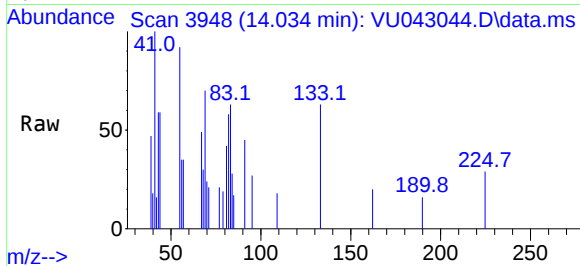




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 14.034 min Scan# 3948
Delta R.T. 0.006 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

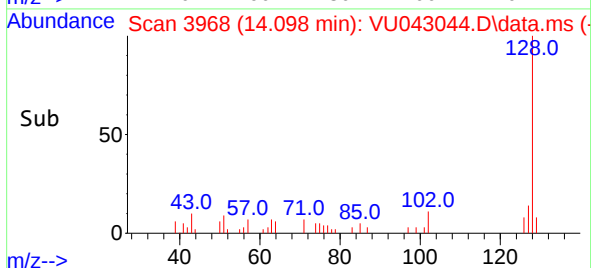
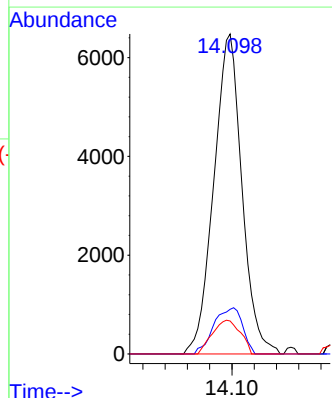
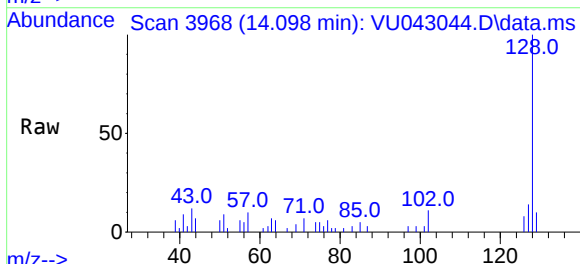
Instrument :
MSVOA_U
ClientSampled :

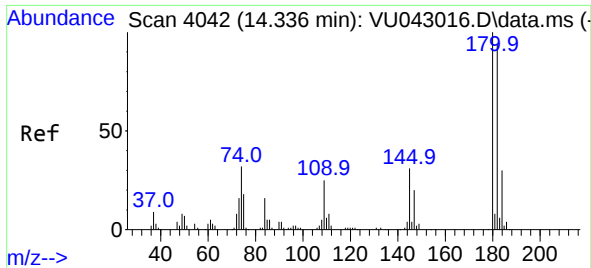
Tgt Ion:	225	Resp:	160
Ion Ratio	Lower	Upper	
225	100		
223	0.0	32.3	96.9#
227	12.5	31.8	95.4#



#95
Naphthalene
Concen: 4.10 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU043044.D
Acq: 13 Apr 2021 12:23

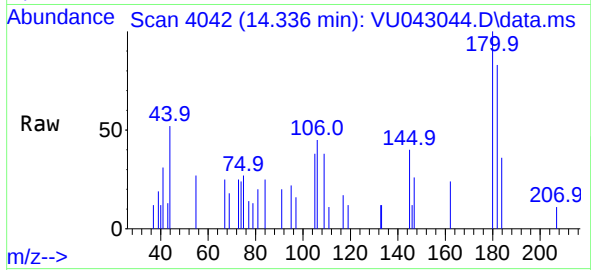
Tgt Ion:	128	Resp:	11360
Ion Ratio	Lower	Upper	
128	100		
127	14.8	10.8	16.2
129	10.5	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.08 ug/l
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.000 min
 Lab File: VU043044.D
 Acq: 13 Apr 2021 12:23

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 1548
 Ion Ratio Lower Upper
 180 100
 182 92.1 48.0 144.0
 145 57.1 15.5 46.5#

