

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
 Data File : VU043078.D
 Acq On : 14 Apr 2021 02:10
 Operator : SY/MD
 Sample : M1966-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 05:11:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

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

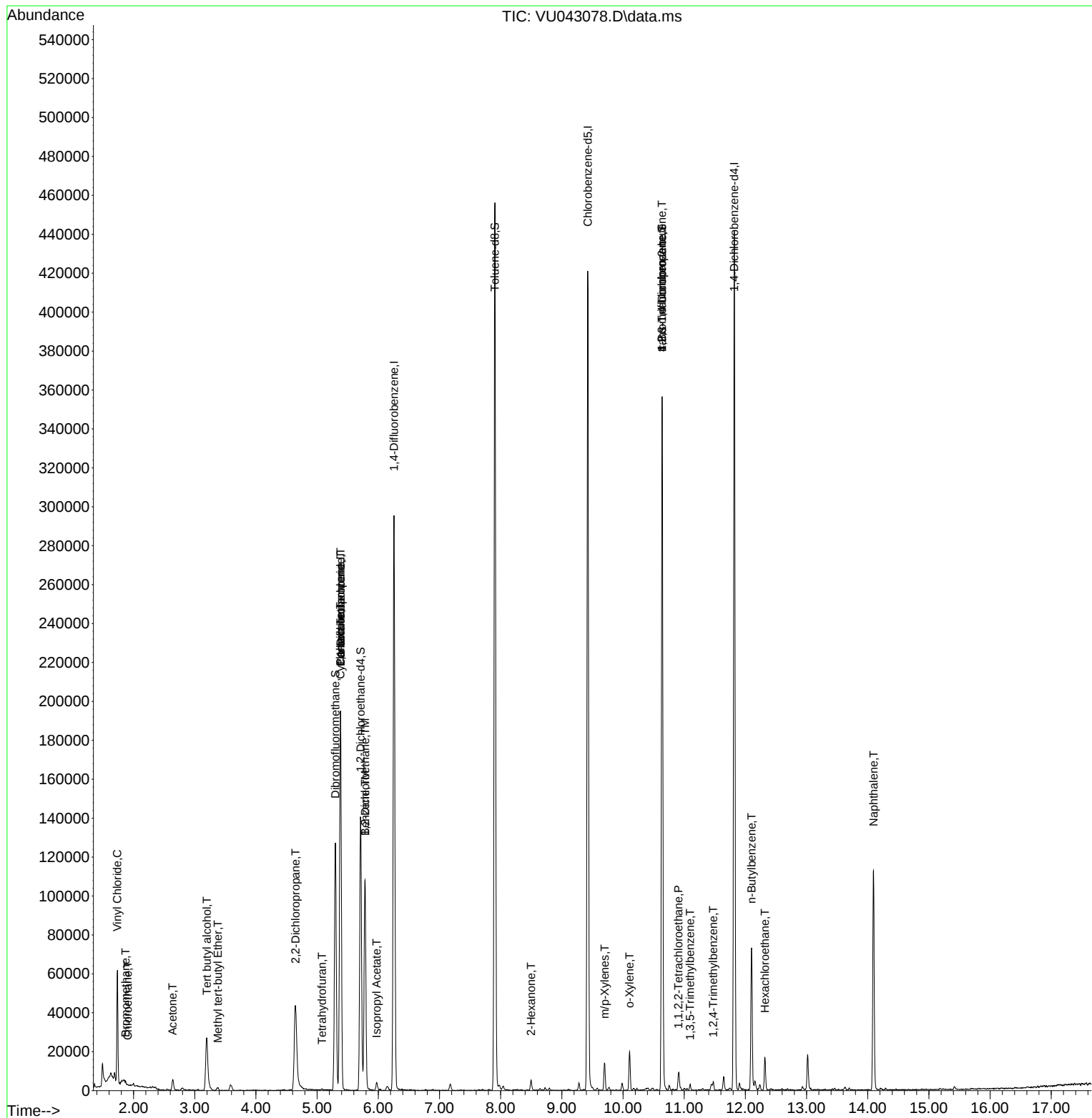
Internal Standards						
1) Pentafluorobenzene	5.382	168	134783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	223687	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	213328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	108791	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	110436	48.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.48%	
35) Dibromofluoromethane	5.298	113	77332	46.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.02%	
50) Toluene-d8	7.906	98	278700	46.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.72%	
62) 4-Bromofluorobenzene	10.639	95	105566	44.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.64%	
Target Compounds					Qvalue	
3) Chloromethane	1.527	50	417	Below Cal	#	41
4) Vinyl Chloride	1.732	62	1147	0.76	ug/l #	68
5) Bromomethane	1.867	94	176	0.21	ug/l #	2
6) Chloroethane	1.906	64	301	0.25	ug/l #	42
11) Tert butyl alcohol	3.199	59	21768	37.28	ug/l	99
16) Acetone	2.639	43	7253	5.14	ug/l	98
19) Methyl tert-butyl Ether	3.375	73	1560	0.31	ug/l	99
26) 2,2-Dichloropropane	4.649	77	3017	1.16	ug/l #	55
29) Tetrahydrofuran	5.079	42	433	0.33	ug/l #	37
31) Cyclohexane	5.378	56	3419	1.22	ug/l #	36
36) 1,1-Dichloropropene	5.382	75	11322	4.77	ug/l #	51
38) Carbon Tetrachloride	5.382	117	13641	5.36	ug/l #	16
40) Benzene	5.784	78	93246	13.75	ug/l	99
42) 1,2-Dichloroethane	5.784	62	1310	0.44	ug/l #	79
43) Isopropyl Acetate	5.973	43	1432	0.25	ug/l #	64
59) 2-Hexanone	8.497	43	3219	0.91	ug/l	72
68) m/p-Xylenes	9.700	106	3740	1.22	ug/l	100
69) o-Xylene	10.105	106	4914	1.65	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.906	83	3029	0.95	ug/l #	26
76) 1,2,3-Trichloropropane	10.639	75	60019	18.88	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.095	105	1854	0.29	ug/l	89
81) trans-1,4-Dichloro-2-b...	10.639	75	60019	55.48	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.475	105	2080	0.31	ug/l	99
89) n-Butylbenzene	12.102	91	6103	0.95	ug/l #	43
90) Hexachloroethane	12.320	117	847	0.66	ug/l #	6
95) Naphthalene	14.095	128	86875	13.17	ug/l	100

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

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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

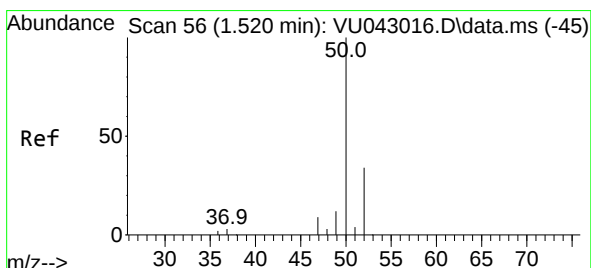
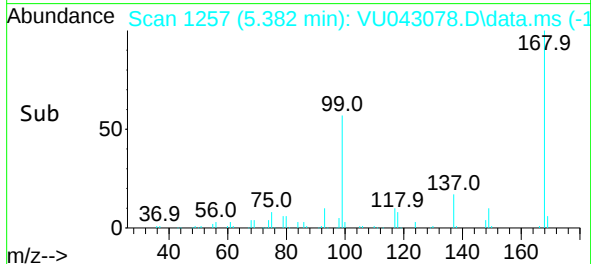
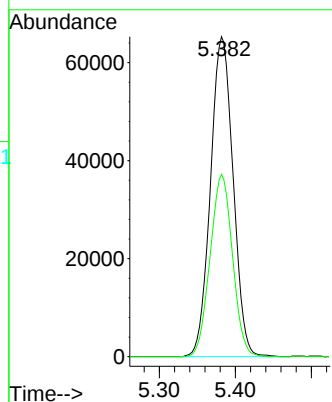
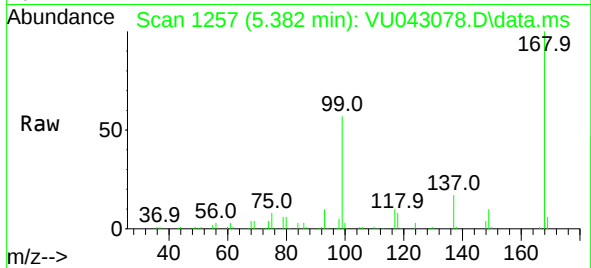




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

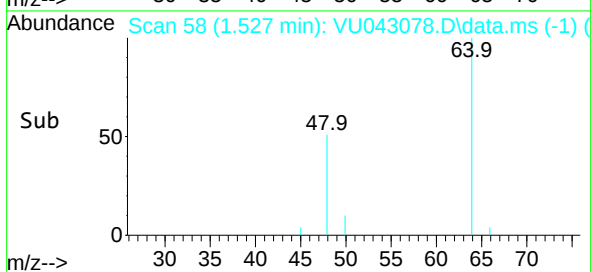
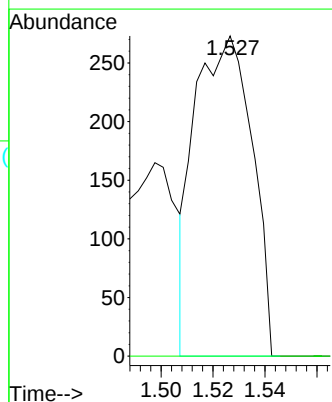
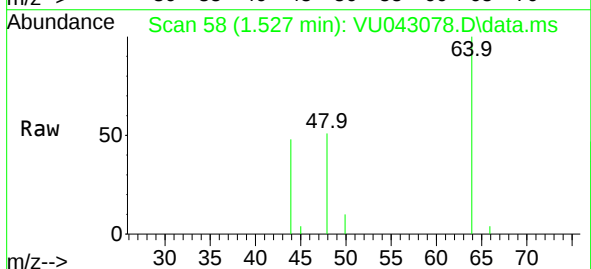
Instrument :
MSVOA_U
ClientSampleId :

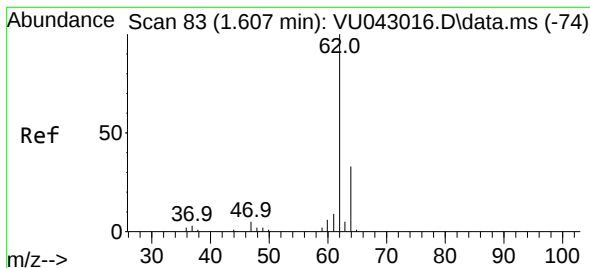
Tgt Ion:168 Resp: 134783
Ion Ratio Lower Upper
168 100
99 57.0 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.527 min Scan# 58
Delta R.T. 0.007 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

Tgt Ion: 50 Resp: 417
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

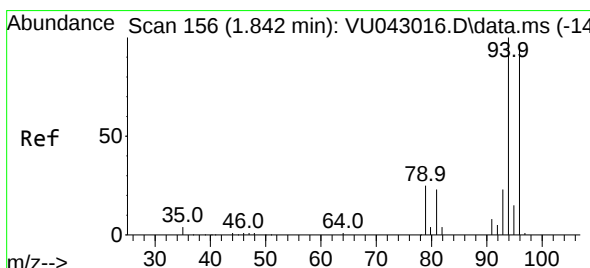
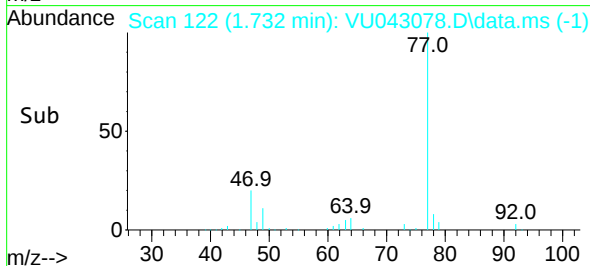
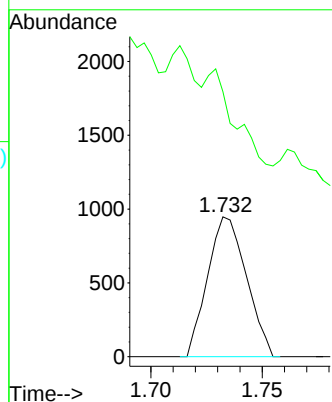
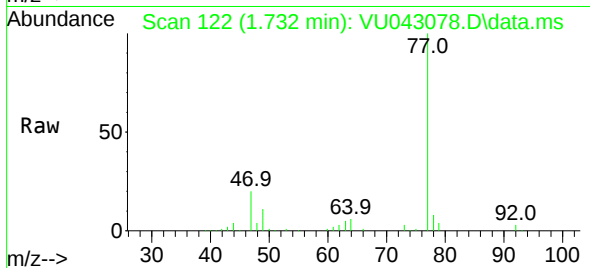




#4
 Vinyl Chloride
 Concen: 0.76 ug/l
 RT: 1.732 min Scan# 122
 Delta R.T. 0.125 min
 Lab File: VU043078.D
 Acq: 14 Apr 2021 02:10

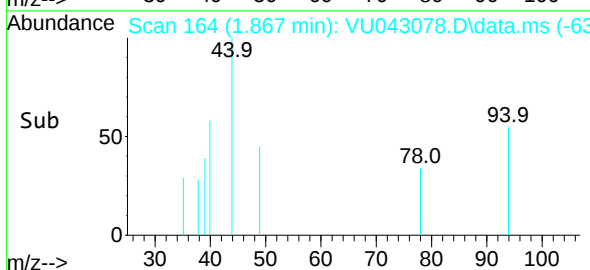
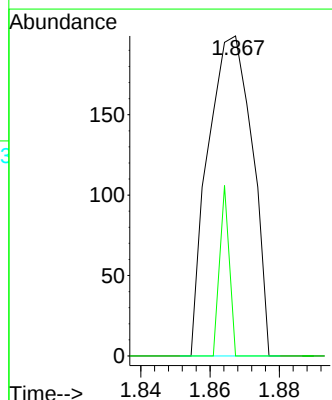
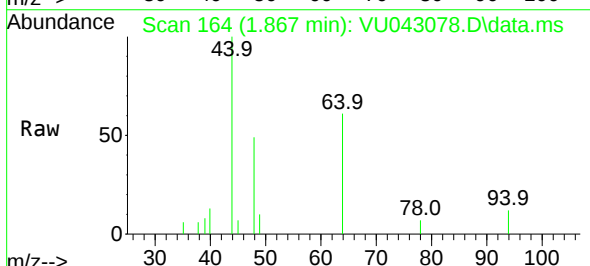
Instrument :
 MSVOA_U
 ClientSampled :

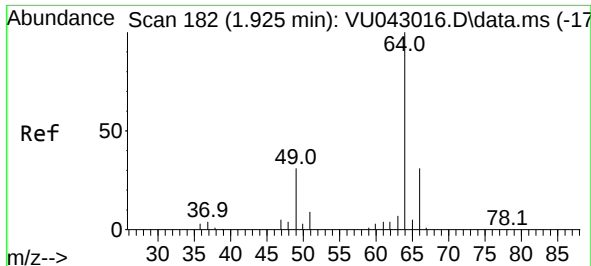
Tgt Ion: 62 Resp: 1147
 Ion Ratio Lower Upper
 62 100
 64 49.2 25.2 37.8#



#5
 Bromomethane
 Concen: 0.21 ug/l
 RT: 1.867 min Scan# 164
 Delta R.T. 0.025 min
 Lab File: VU043078.D
 Acq: 14 Apr 2021 02:10

Tgt Ion: 94 Resp: 176
 Ion Ratio Lower Upper
 94 100
 96 0.0 76.6 115.0#

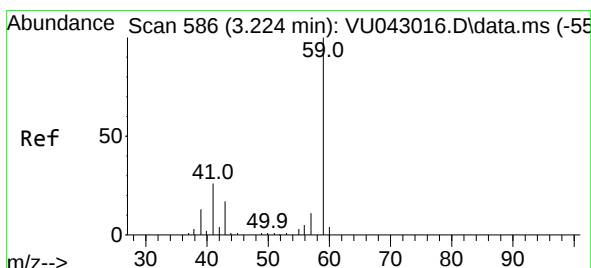
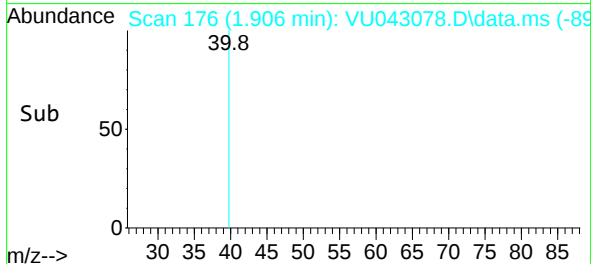
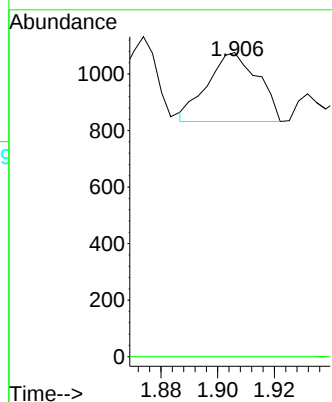
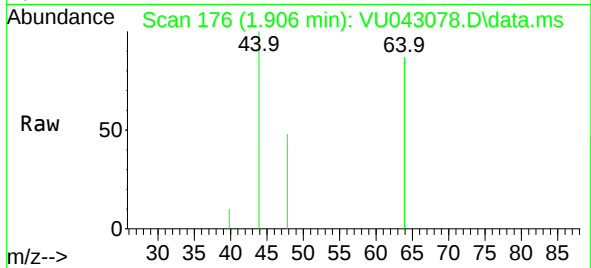




#6
Chloroethane
Concen: 0.25 ug/l
RT: 1.906 min Scan# 176
Delta R.T. -0.019 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

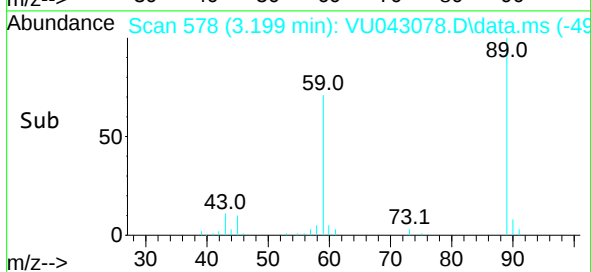
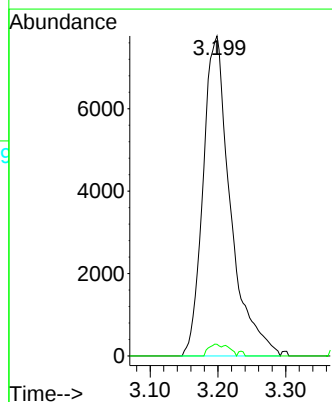
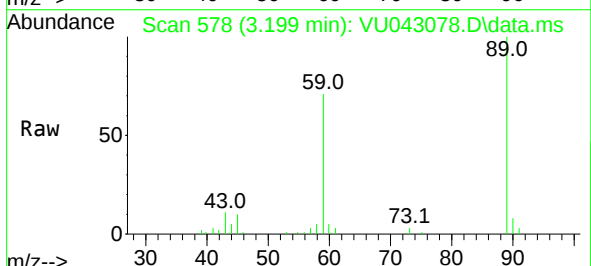
Instrument :
MSVOA_U
ClientSampleId :

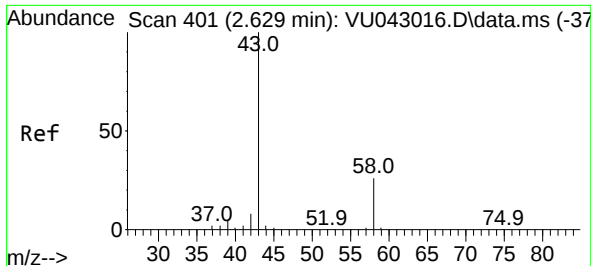
Tgt Ion: 64 Resp: 301
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 37.28 ug/l
RT: 3.199 min Scan# 578
Delta R.T. -0.026 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

Tgt Ion: 59 Resp: 21768
Ion Ratio Lower Upper
59 100
57 1.6 1.6 2.4

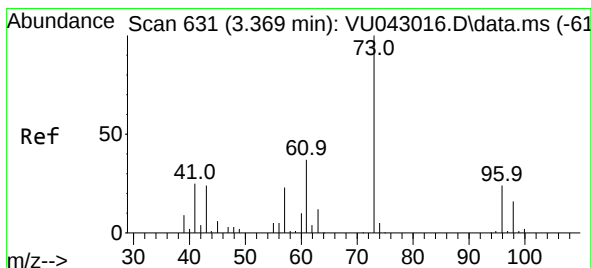
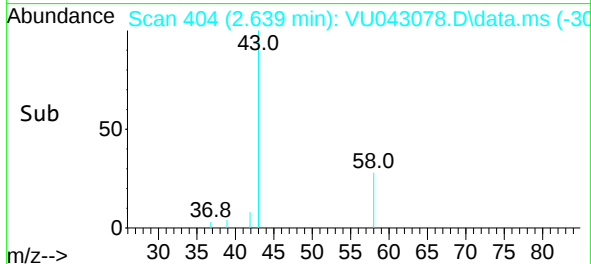
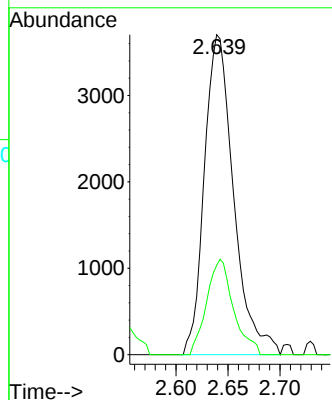
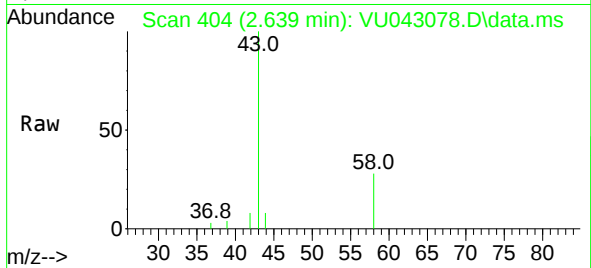




#16
Acetone
Concen: 5.14 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.010 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

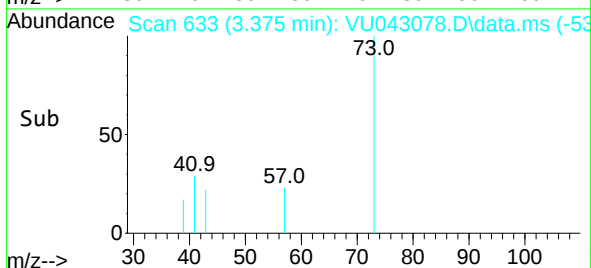
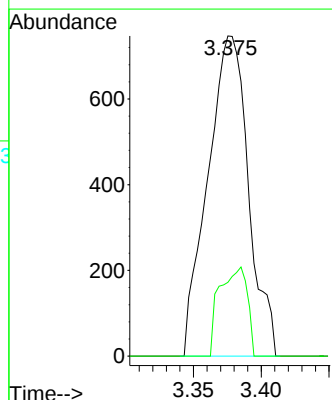
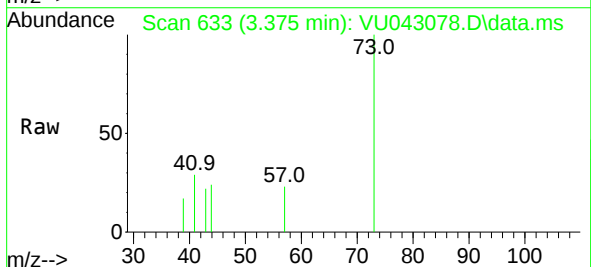
Instrument :
MSVOA_U
ClientSampled :

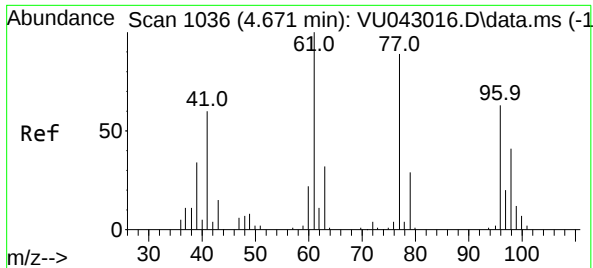
Tgt Ion: 43 Resp: 7253
Ion Ratio Lower Upper
43 100
58 27.9 21.5 32.3



#19
Methyl tert-butyl Ether
Concen: 0.31 ug/l
RT: 3.375 min Scan# 633
Delta R.T. 0.006 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

Tgt Ion: 73 Resp: 1560
Ion Ratio Lower Upper
73 100
57 23.0 18.8 28.2

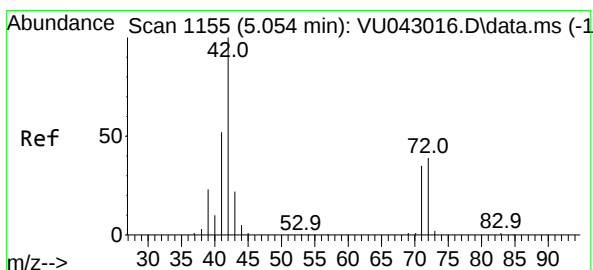
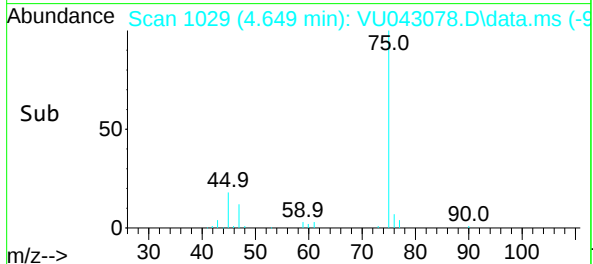
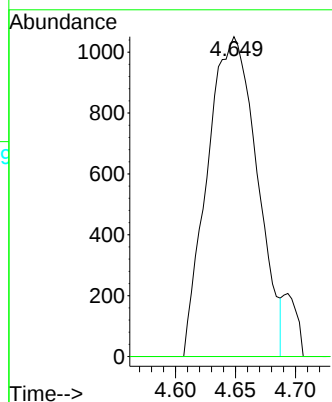
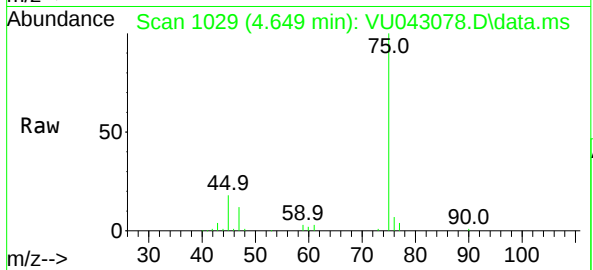




#26
2,2-Dichloropropane
Concen: 1.16 ug/l
RT: 4.649 min Scan# 1029
Delta R.T. -0.022 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

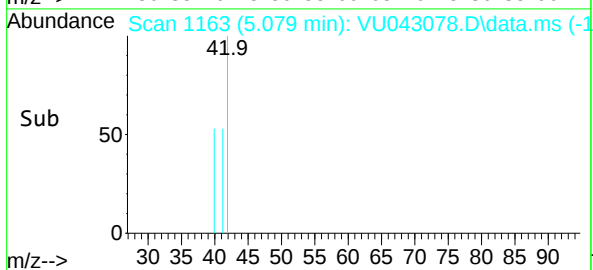
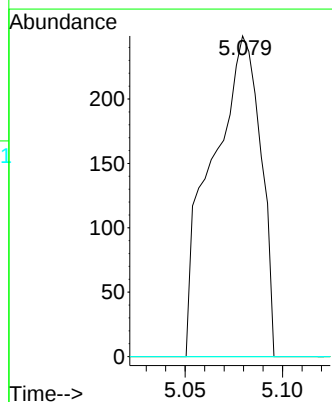
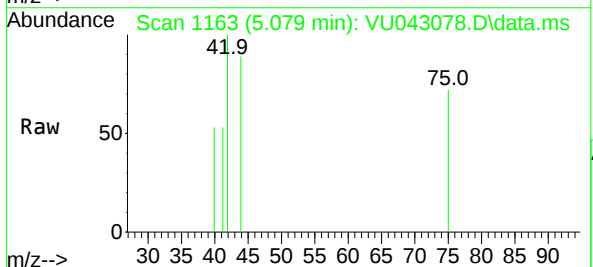
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MSVOA_U
ClientSampled :

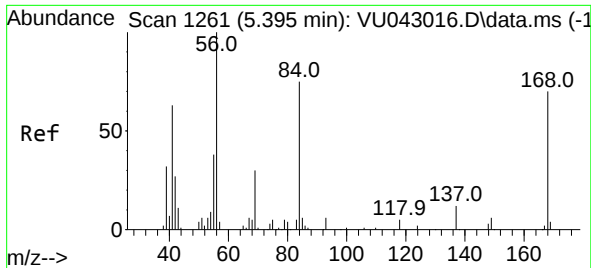
Tgt Ion: 77 Resp: 3017
Ion Ratio Lower Upper
77 100
97 0.0 10.6 31.8#



#29
Tetrahydrofuran
Concen: 0.33 ug/l
RT: 5.079 min Scan# 1163
Delta R.T. 0.025 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

Tgt Ion: 42 Resp: 433
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 0.0 29.5 44.3#

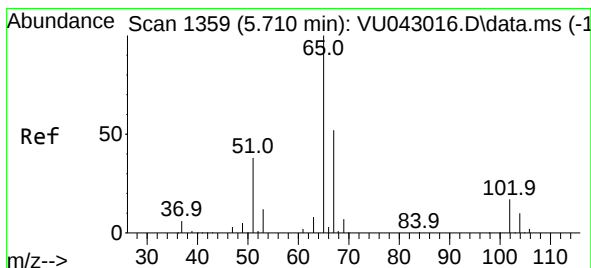
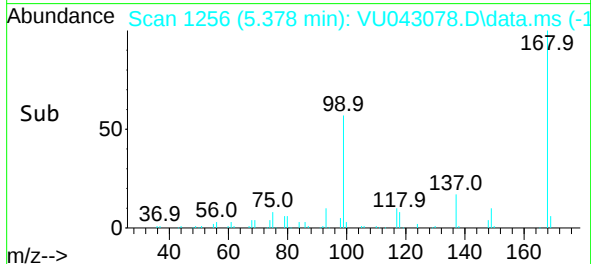
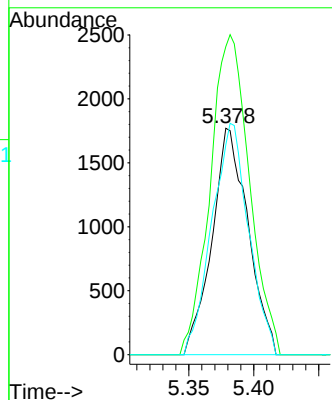
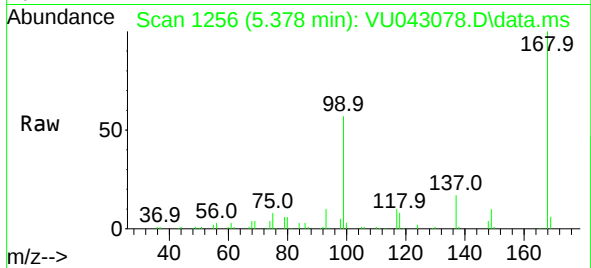




#31
Cyclohexane
Concen: 1.22 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.017 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

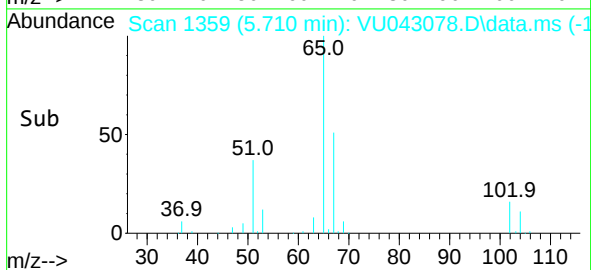
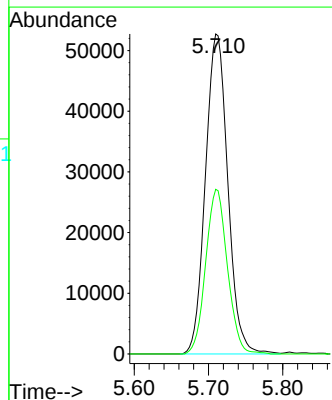
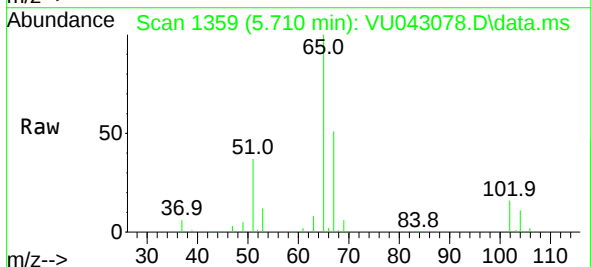
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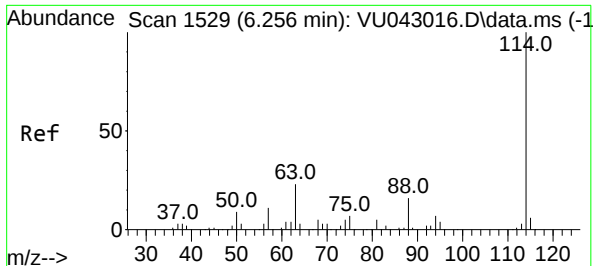
Tgt Ion: 56 Resp: 3419
Ion Ratio Lower Upper
56 100
69 136.0 24.9 37.3#
84 92.7 63.7 95.5



#33
1,2-Dichloroethane-d4
Concen: 48.74 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

Tgt Ion: 65 Resp: 110436
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043078.D

Acq: 14 Apr 2021 02:10

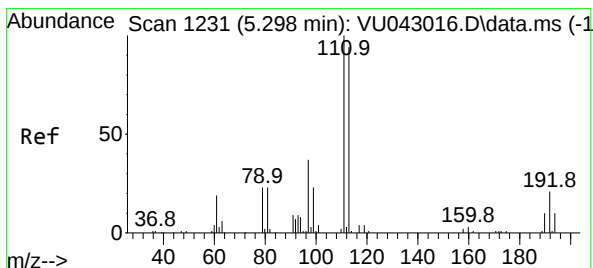
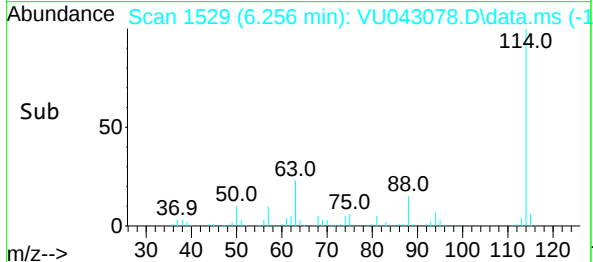
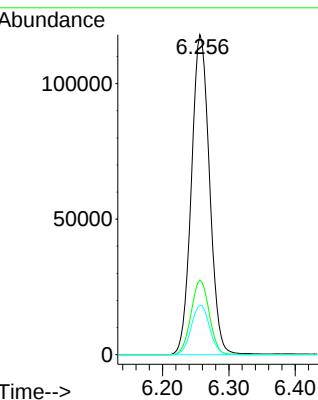
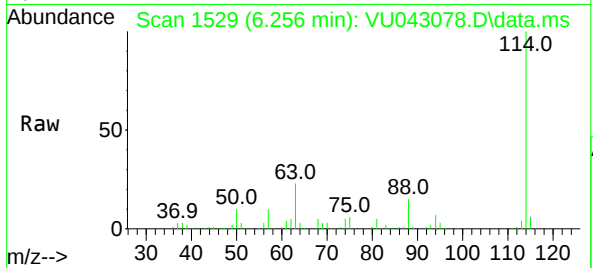
Tgt Ion:114 Resp: 223687

Ion Ratio Lower Upper

114 100

63 23.3 0.0 44.2

88 15.4 0.0 33.4



#35

Dibromofluoromethane

Concen: 46.01 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU043078.D

Acq: 14 Apr 2021 02:10

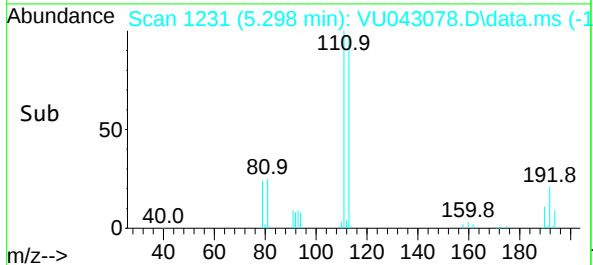
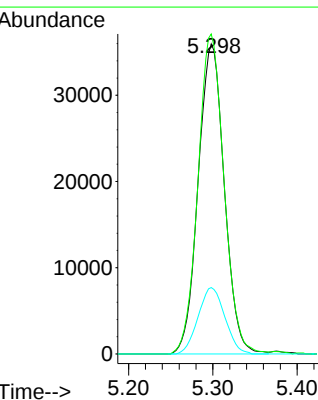
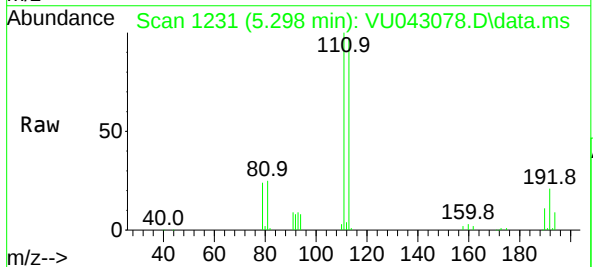
Tgt Ion:113 Resp: 77332

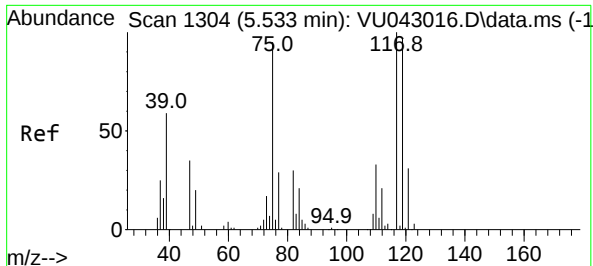
Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 21.9 17.2 25.8





#36

1,1-Dichloropropene

Concen: 4.77 ug/l

RT: 5.382 min Scan# 1257

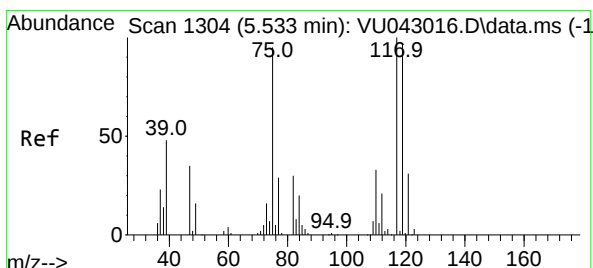
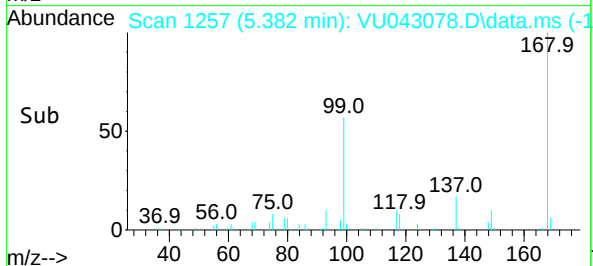
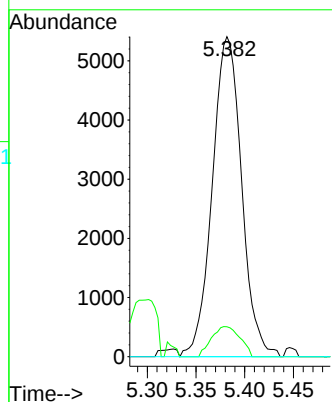
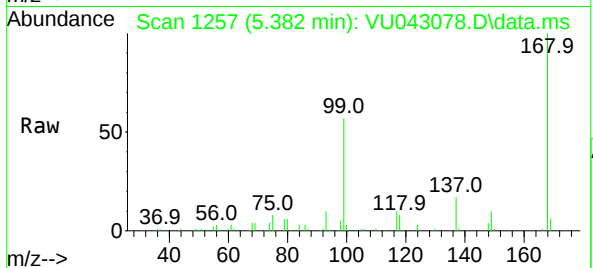
Delta R.T. -0.151 min

Lab File: VU043078.D

Acq: 14 Apr 2021 02:10

Tgt Ion:	75	Resp:	11322
Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.8	50.3#
77	0.0	24.8	37.2#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.36 ug/l

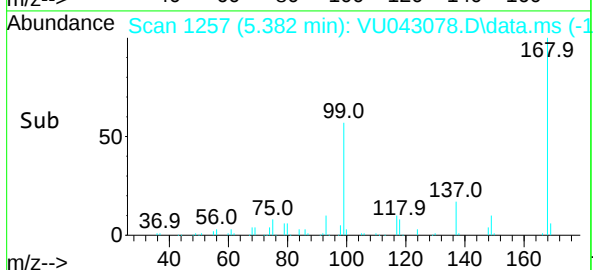
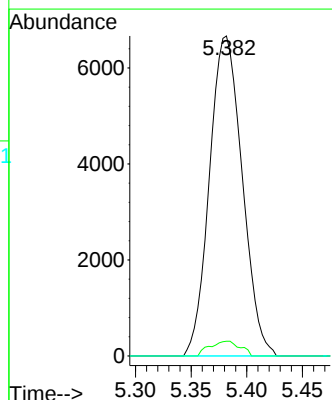
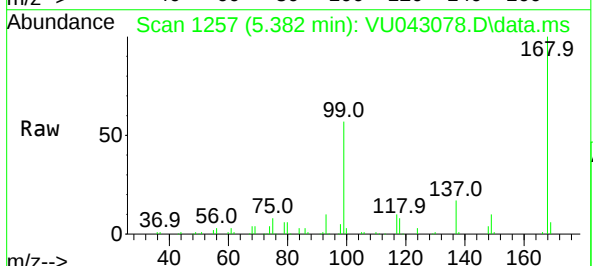
RT: 5.382 min Scan# 1257

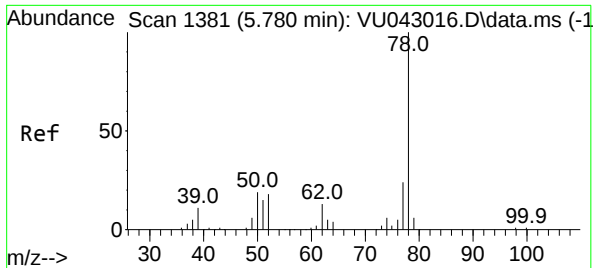
Delta R.T. -0.151 min

Lab File: VU043078.D

Acq: 14 Apr 2021 02:10

Tgt Ion:	117	Resp:	13641
Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.5	113.3#
121	0.0	24.7	37.1#

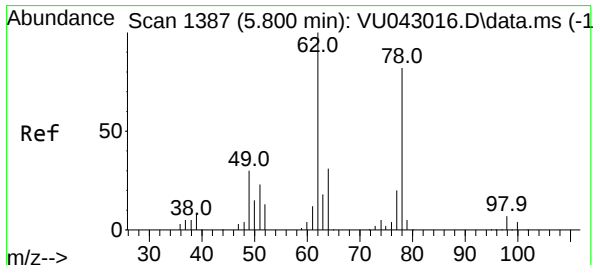
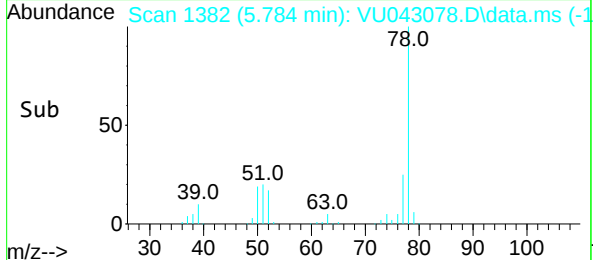
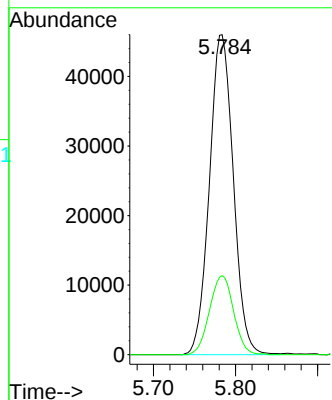
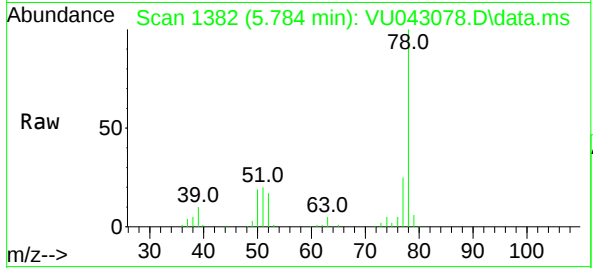




#40
Benzene
Concen: 13.75 ug/l
RT: 5.784 min Scan# 1382
Delta R.T. 0.004 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

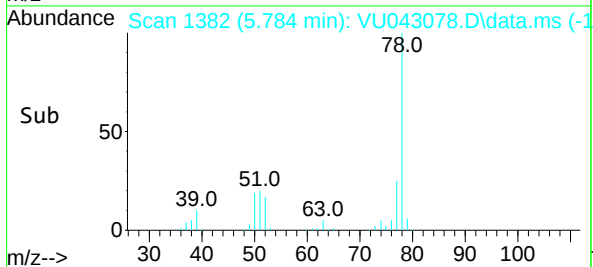
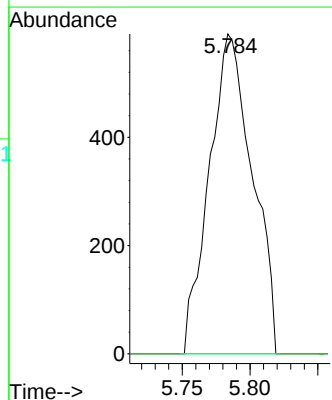
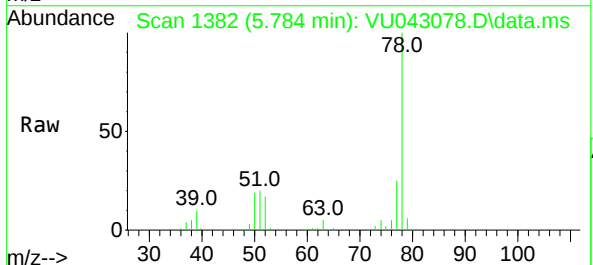
Instrument :
MSVOA_U
ClientSampled :

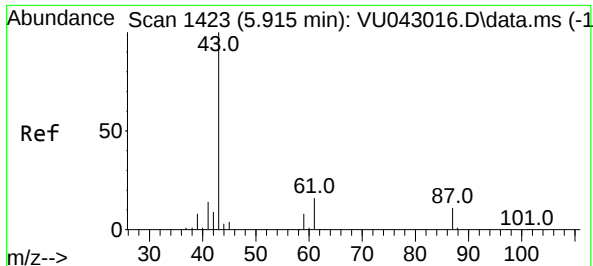
Tgt Ion: 78 Resp: 93246
Ion Ratio Lower Upper
78 100
77 24.7 19.3 28.9



#42
1,2-Dichloroethane
Concen: 0.44 ug/l
RT: 5.784 min Scan# 1382
Delta R.T. -0.016 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

Tgt Ion: 62 Resp: 1310
Ion Ratio Lower Upper
62 100
98 0.0 0.0 14.8



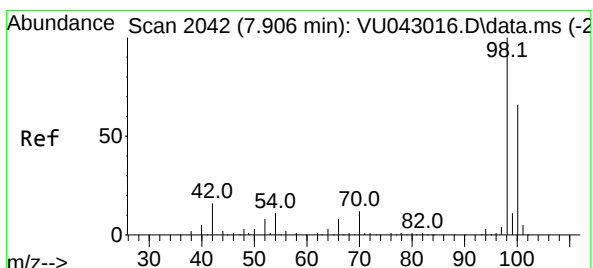
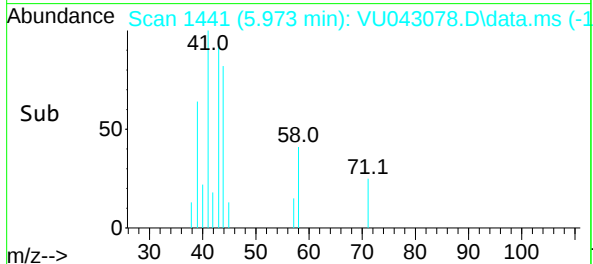
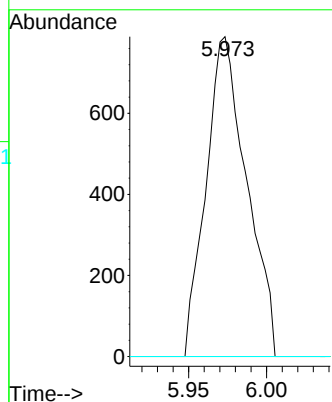
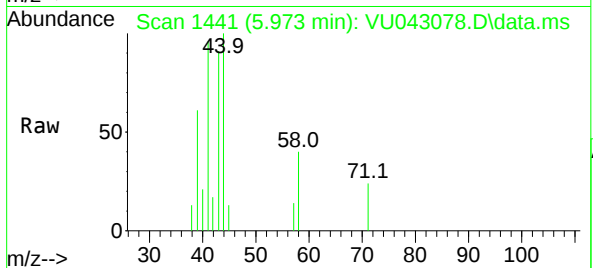


#43

Isopropyl Acetate
 Concen: 0.25 ug/l
 RT: 5.973 min Scan# 1441
 Delta R.T. 0.058 min
 Lab File: VU043078.D
 Acq: 14 Apr 2021 02:10

Instrument :
 MSVOA_U
 ClientSampled :

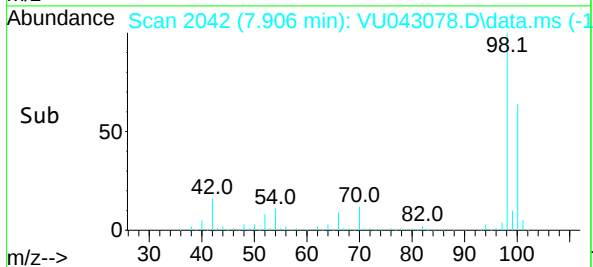
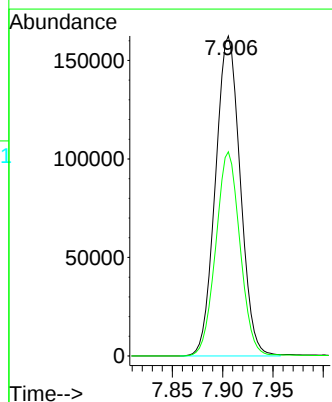
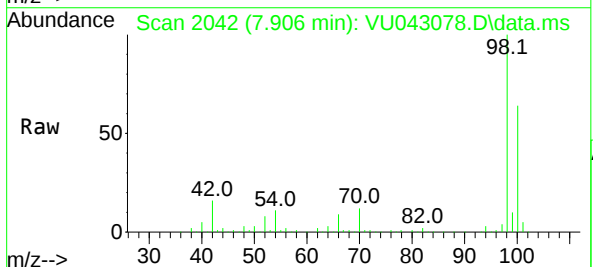
Tgt Ion: 43 Resp: 1432
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.4 21.6#
 87 0.0 8.8 13.2#

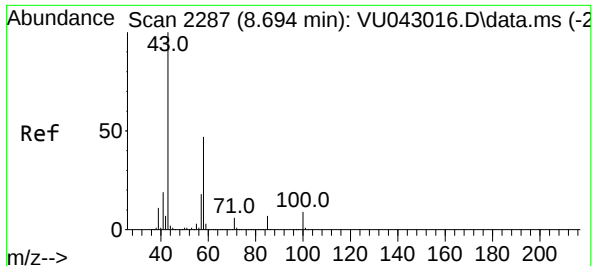


#50

Toluene-d8
 Concen: 46.86 ug/l
 RT: 7.906 min Scan# 2042
 Delta R.T. -0.000 min
 Lab File: VU043078.D
 Acq: 14 Apr 2021 02:10

Tgt Ion: 98 Resp: 278700
 Ion Ratio Lower Upper
 98 100
 100 62.8 50.2 75.2

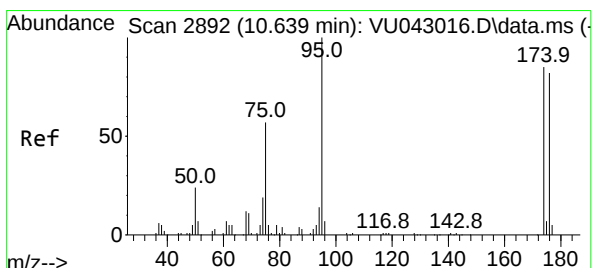
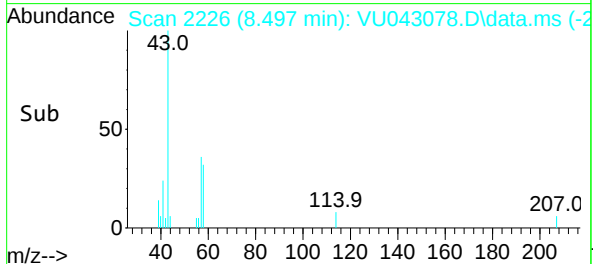
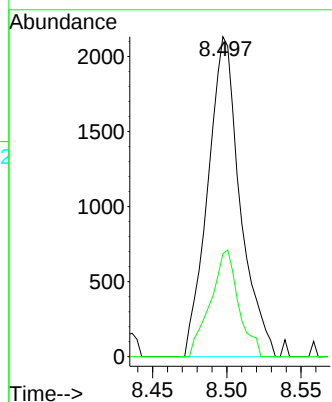
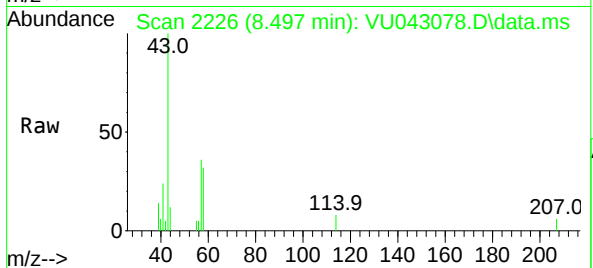




#59
2-Hexanone
Concen: 0.91 ug/l
RT: 8.497 min Scan# 2226
Delta R.T. -0.197 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

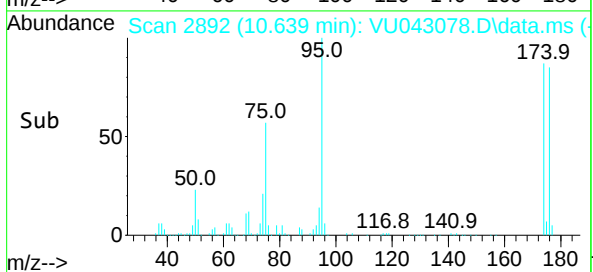
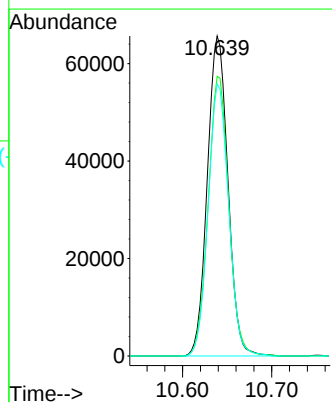
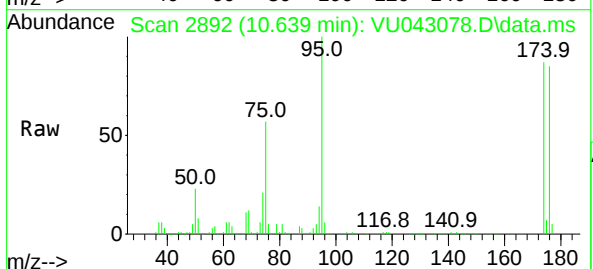
Instrument :
MSVOA_U
ClientSampled :

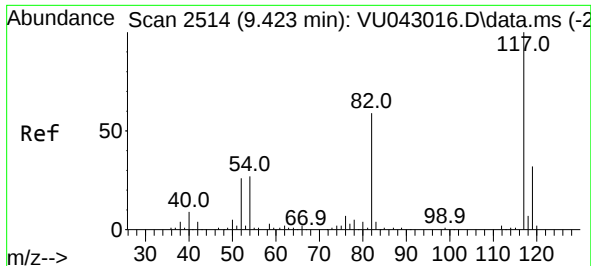
Tgt Ion: 43 Resp: 3219
Ion Ratio Lower Upper
43 100
58 29.1 24.0 72.0



#62
4-Bromofluorobenzene
Concen: 44.32 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

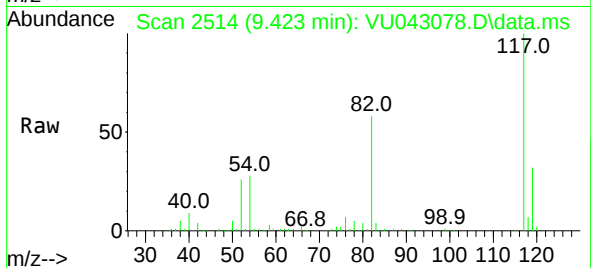
Tgt Ion: 95 Resp: 105566
Ion Ratio Lower Upper
95 100
174 87.3 0.0 172.2
176 84.5 0.0 168.8



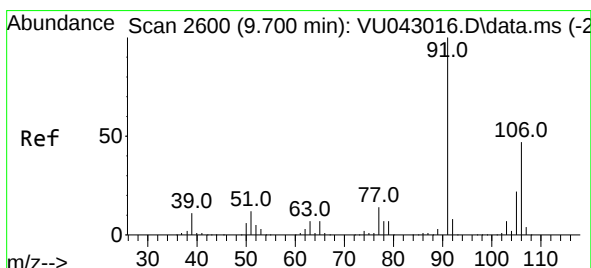
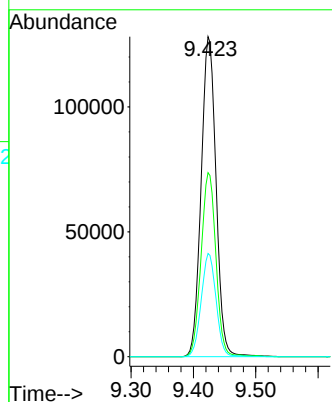
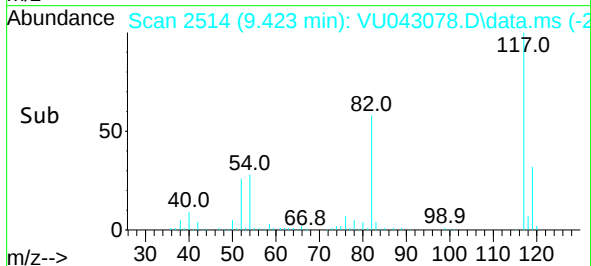


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

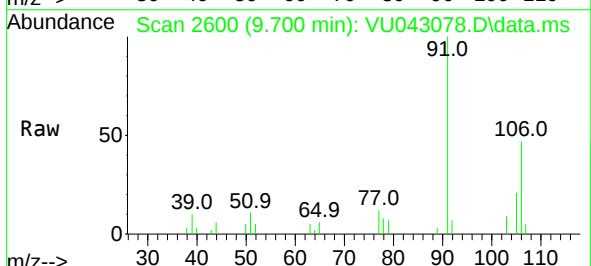
Instrument :
MSVOA_U
ClientSampleId :



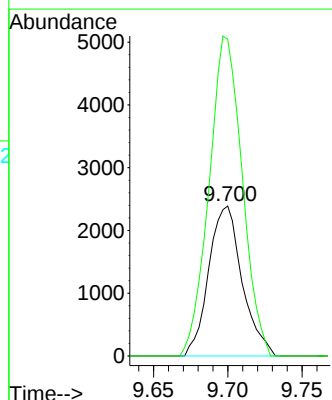
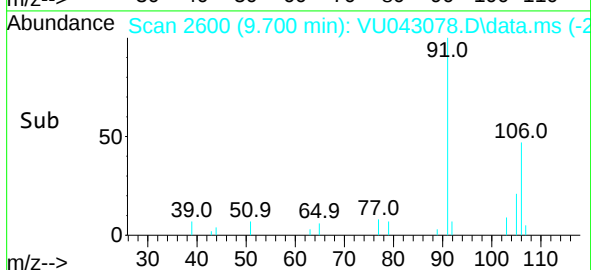
Tgt Ion:117 Resp: 213328
Ion Ratio Lower Upper
117 100
82 57.5 45.8 68.6
119 32.3 25.8 38.8

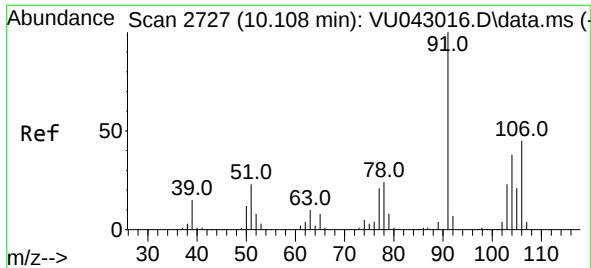


#68
m/p-Xylenes
Concen: 1.22 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10



Tgt Ion:106 Resp: 3740
Ion Ratio Lower Upper
106 100
91 211.6 169.9 254.9

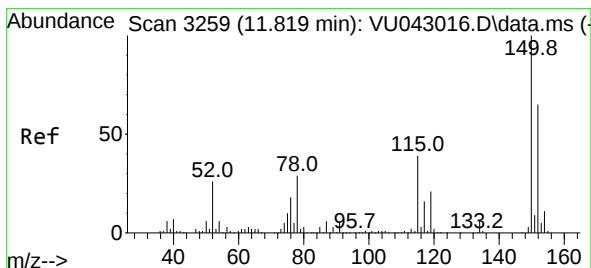
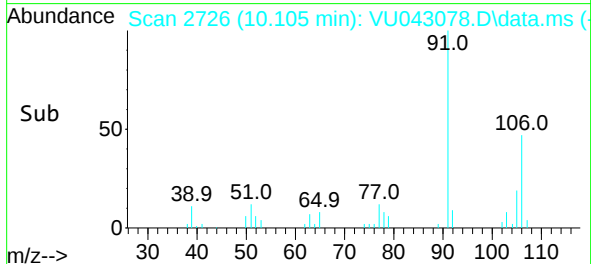
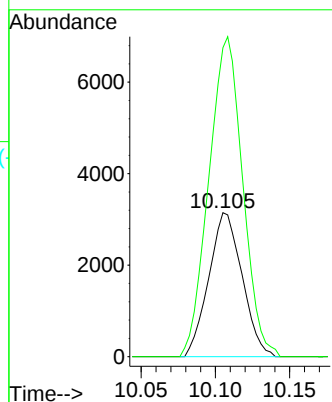
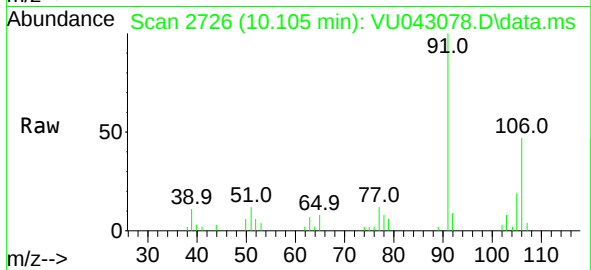




#69
o-Xylene
Concen: 1.65 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

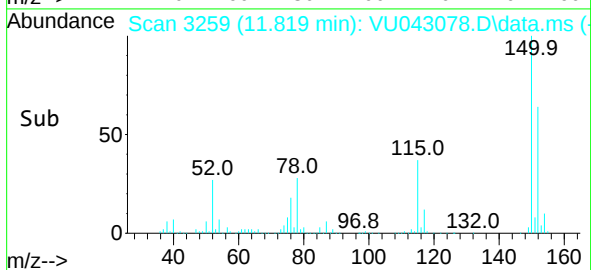
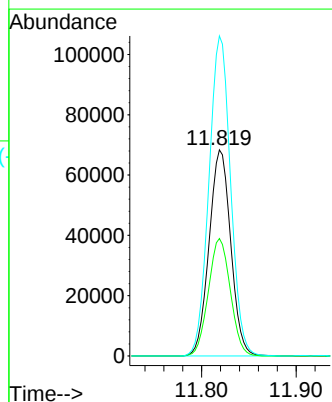
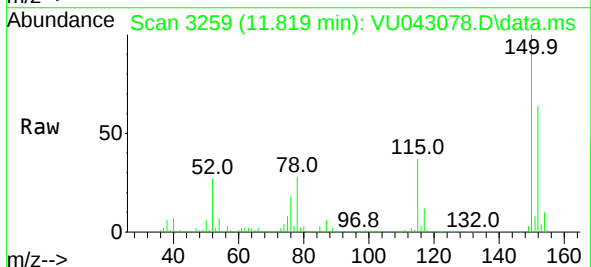
Instrument :
MSVOA_U
ClientSampleId :

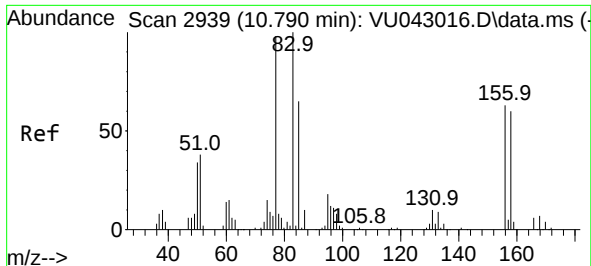
Tgt Ion:106 Resp: 4914
Ion Ratio Lower Upper
106 100
91 225.7 111.2 333.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

Tgt Ion:152 Resp: 108791
Ion Ratio Lower Upper
152 100
115 57.8 41.5 124.6
150 154.9 0.0 342.4

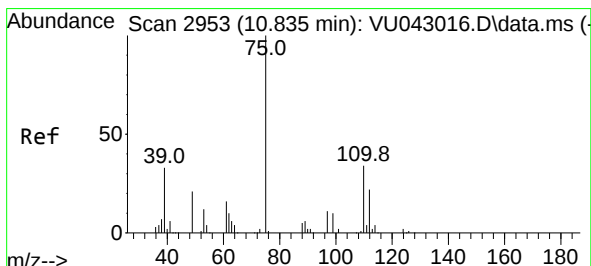
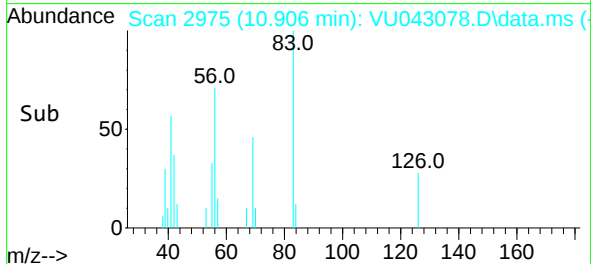
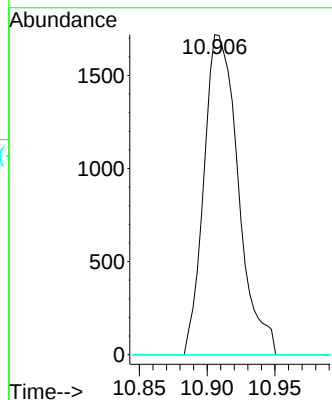
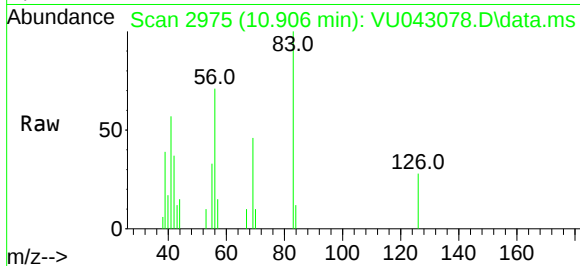




#75
1,1,2,2-Tetrachloroethane
Concen: 0.95 ug/l
RT: 10.906 min Scan# 2975
Delta R.T. 0.116 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

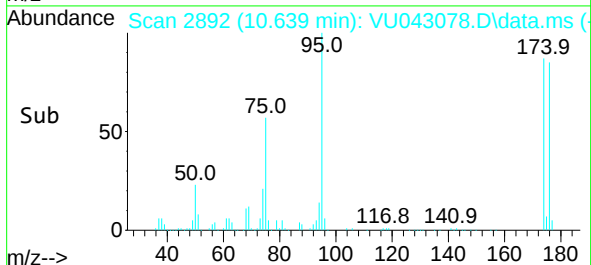
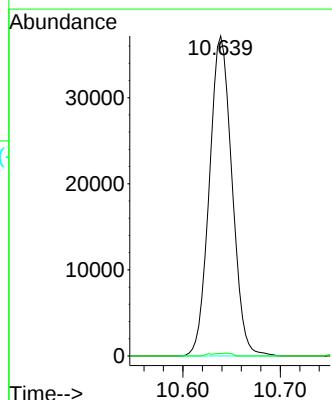
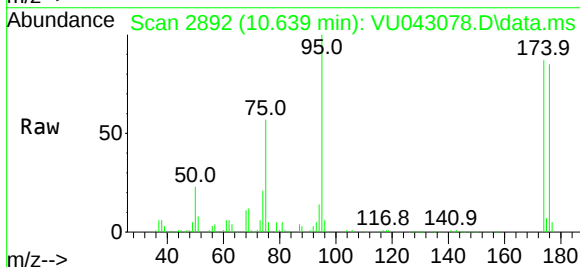
Instrument :
MSVOA_U
ClientSampled :

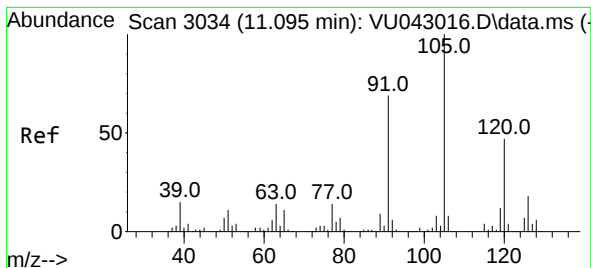
Tgt Ion: 83 Resp: 3029
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.2#
85 0.0 31.7 95.1#



#76
1,2,3-Trichloropropane
Concen: 18.88 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

Tgt Ion: 75 Resp: 60019
Ion Ratio Lower Upper
75 100
77 0.8 20.2 60.5#

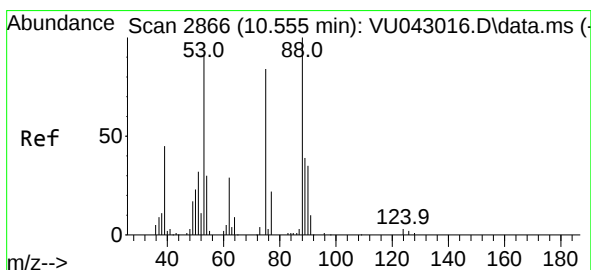
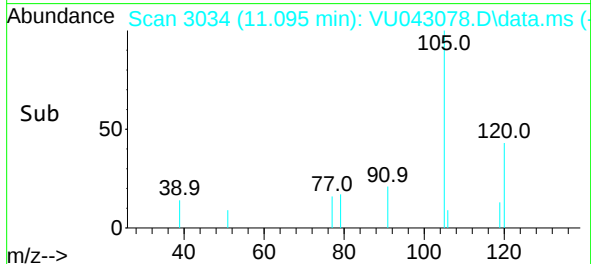
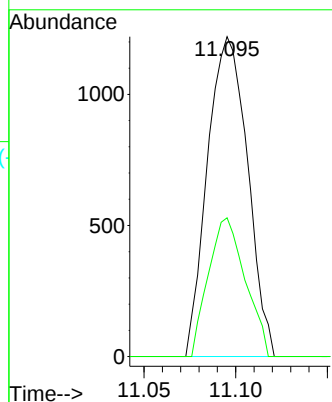
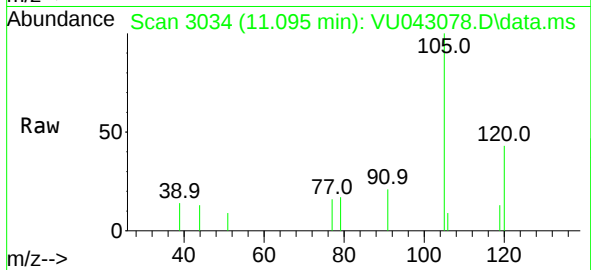




#80
1,3,5-Trimethylbenzene
Concen: 0.29 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

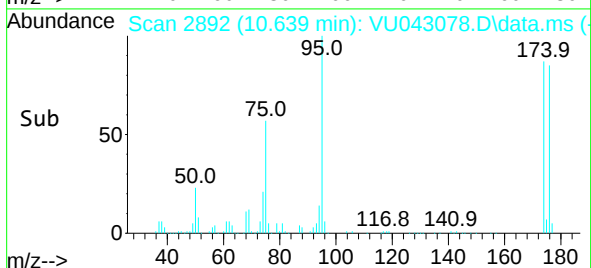
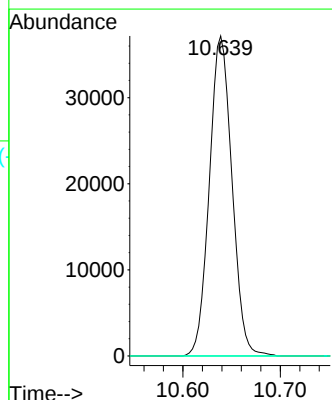
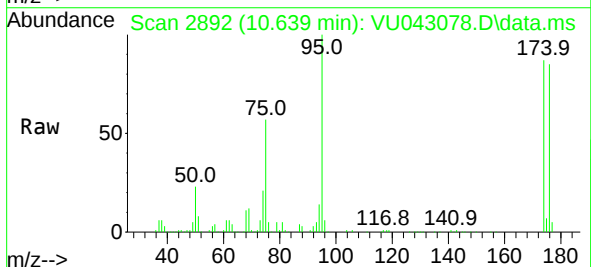
Instrument :
MSVOA_U
ClientSampleId :

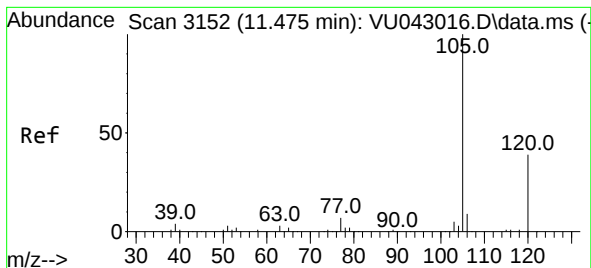
Tgt Ion:105 Resp: 1854
Ion Ratio Lower Upper
105 100
120 39.9 23.8 71.4



#81
trans-1,4-Dichloro-2-butene
Concen: 55.48 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

Tgt Ion: 75 Resp: 60019
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#

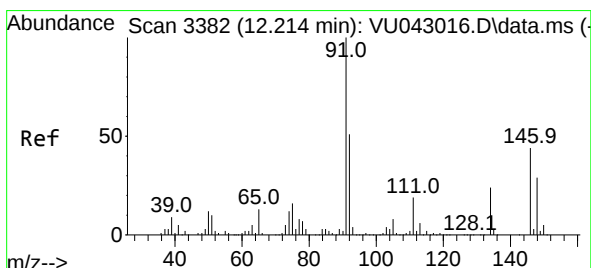
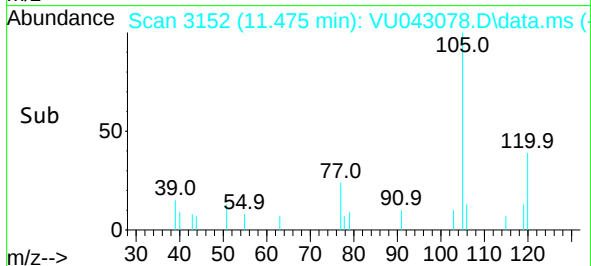
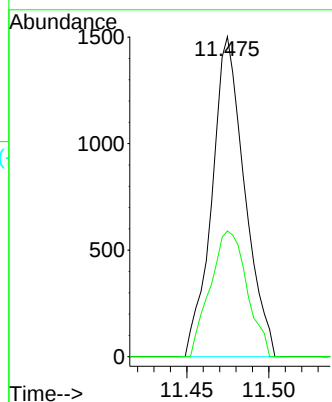
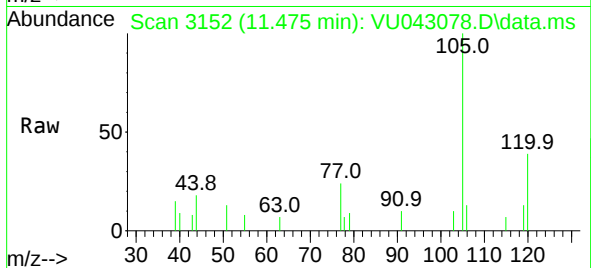




#84
1,2,4-Trimethylbenzene
Concen: 0.31 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

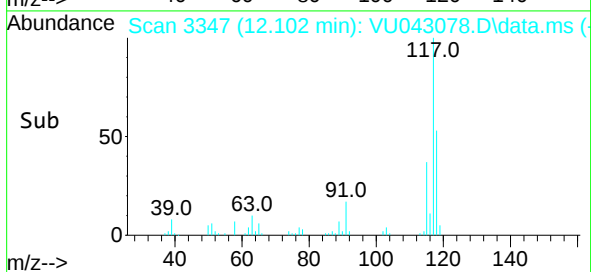
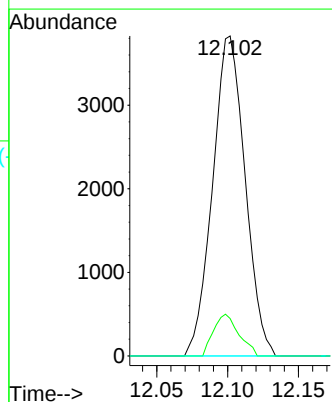
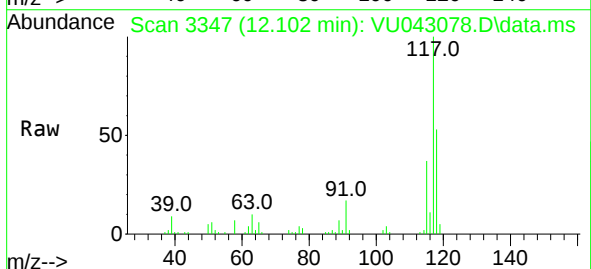
Instrument :
MSVOA_U
ClientSampled :

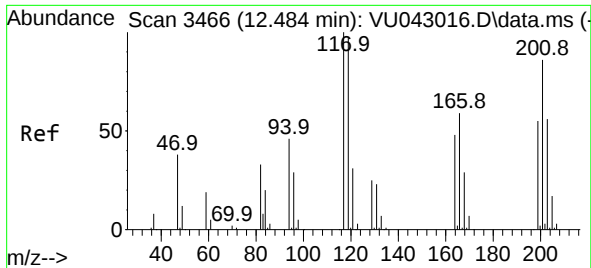
Tgt Ion:105 Resp: 2080
Ion Ratio Lower Upper
105 100
120 44.0 22.3 66.8



#89
n-Butylbenzene
Concen: 0.95 ug/l
RT: 12.102 min Scan# 3347
Delta R.T. -0.112 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

Tgt Ion: 91 Resp: 6103
Ion Ratio Lower Upper
91 100
92 10.2 26.2 78.6#
134 0.0 12.7 38.1#

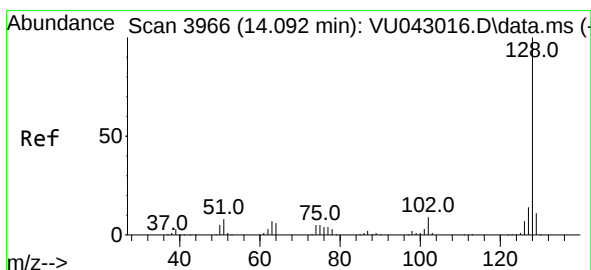
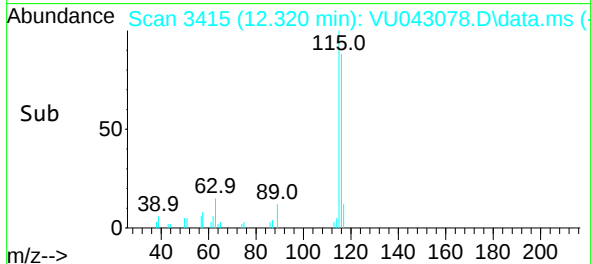
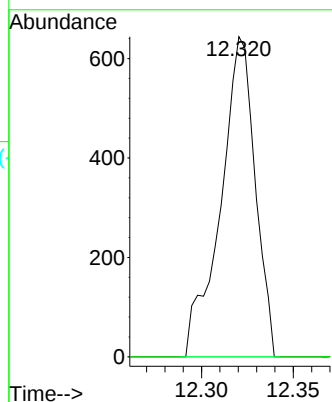
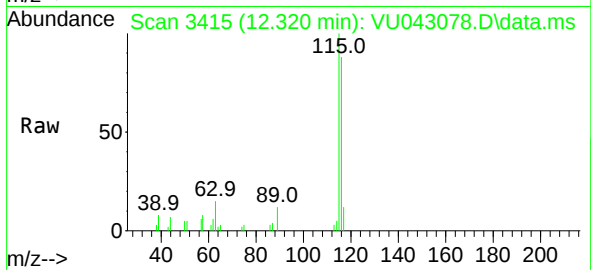




#90
Hexachloroethane
Concen: 0.66 ug/l
RT: 12.320 min Scan# 3415
Delta R.T. -0.164 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:117 Resp: 847
Ion Ratio Lower Upper
117 100
201 0.0 43.5 130.7#



#95
Naphthalene
Concen: 13.17 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043078.D
Acq: 14 Apr 2021 02:10

Tgt Ion:128 Resp: 86875
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 10.9 8.6 13.0

