

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050721\
 Data File : VU043618.D
 Acq On : 07 May 2021 17:26
 Operator : SY/MD
 Sample : M2303-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-18

Quant Time: May 08 01:11:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 06 07:26:23 2021
 Response via : Initial Calibration

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

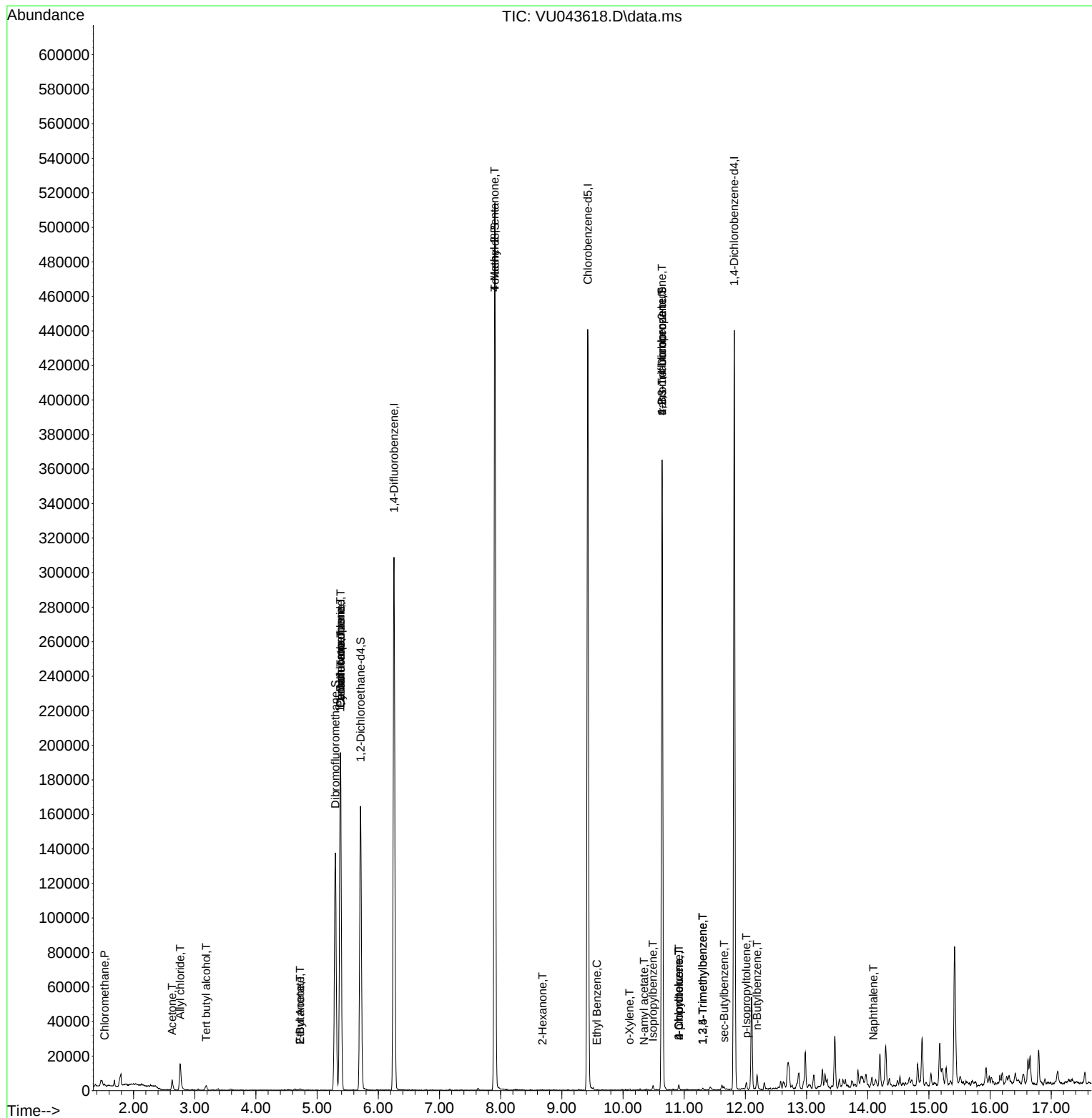
Internal Standards						
1) Pentafluorobenzene	5.382	168	126215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	223294	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	220031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	101238	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	124751	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.66%	
35) Dibromofluoromethane	5.298	113	84815	47.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.26%	
50) Toluene-d8	7.906	98	309217	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	10.639	95	110603	46.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.08%	
Target Compounds					Qvalue	
3) Chloromethane	1.527	50	532	0.54	ug/l	92
11) Tert butyl alcohol	3.189	59	2633	3.84	ug/l #	84
14) Allyl chloride	2.761	41	1628	0.44	ug/l #	71
16) Acetone	2.630	43	6700	4.72	ug/l	100
25) 2-Butanone	4.719	43	1367	0.63	ug/l	99
31) Cyclohexane	5.382	56	3422	1.12	ug/l #	9
36) 1,1-Dichloropropene	5.379	75	11559	4.56	ug/l #	51
37) Ethyl Acetate	4.719	43	1367	0.32	ug/l #	72
38) Carbon Tetrachloride	5.382	117	13738	5.35	ug/l #	16
51) 4-Methyl-2-Pentanone	7.903	43	1797	19.51	ug/l #	1
59) 2-Hexanone	8.684	43	40	20.72	ug/l #	30
67) Ethyl Benzene	9.571	91	203	1.47	ug/l #	45
69) o-Xylene	10.105	106	157	1.91	ug/l	42
73) Isopropylbenzene	10.488	105	1792	0.25	ug/l	96
74) N-amyl acetate	10.346	43	78	2.53	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	63974	19.87	ug/l #	42
78) n-propylbenzene	10.912	91	2310	0.26	ug/l	89
79) 2-Chlorotoluene	10.912	91	2310	0.42	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.301	105	613	0.82	ug/l #	52
81) trans-1,4-Dichloro-2-b...	10.639	75	63974	64.72	ug/l #	3
82) 4-Chlorotoluene	10.912	91	2310	0.37	ug/l #	48
84) 1,2,4-Trimethylbenzene	11.301	105	613	1.20	ug/l #	55
85) sec-Butylbenzene	11.655	105	1240	1.48	ug/l	88
86) p-Isopropyltoluene	12.015	119	2282	1.78	ug/l	91
89) n-Butylbenzene	12.192	91	1124	2.68	ug/l #	11
95) Naphthalene	14.092	128	577	1.59	ug/l #	42

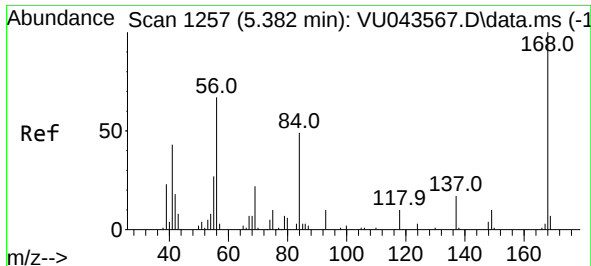
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050721\
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Quant Time: May 08 01:11:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260
QLast Update : Thu May 06 07:26:23 2021
Response via : Initial Calibration

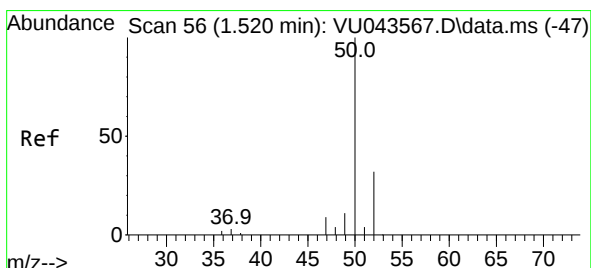
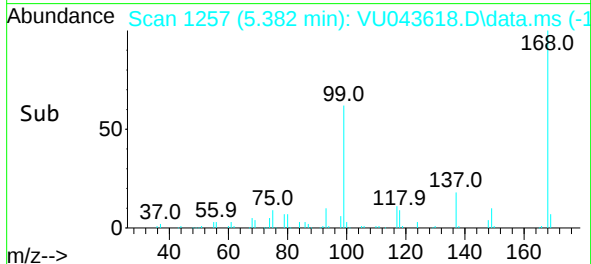
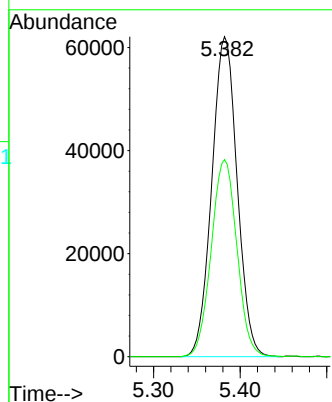
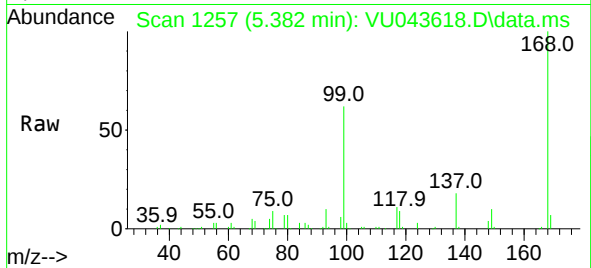




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

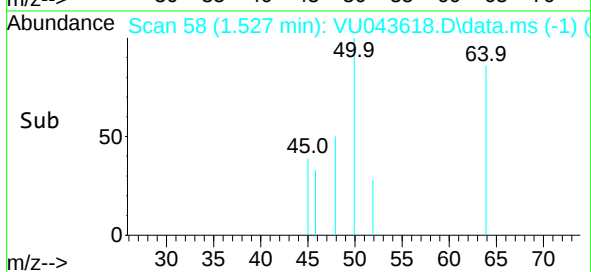
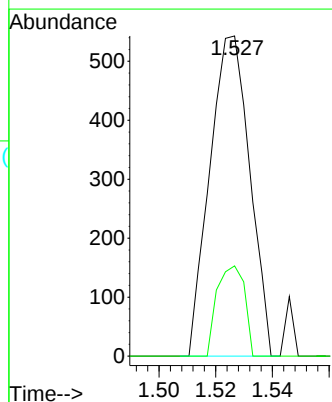
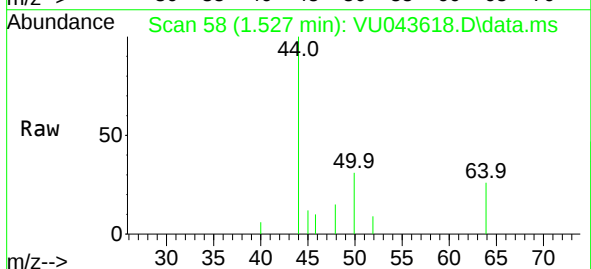
Instrument :
MSVOA_U
ClientSampleId :
MW-18

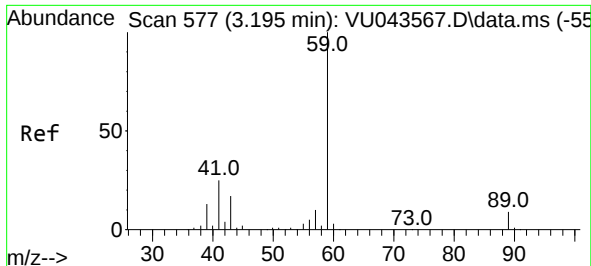
Tgt Ion:168 Resp: 126215
Ion Ratio Lower Upper
168 100
99 61.6 49.0 73.6



#3
Chloromethane
Concen: 0.54 ug/l
RT: 1.527 min Scan# 58
Delta R.T. 0.007 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion: 50 Resp: 532
Ion Ratio Lower Upper
50 100
52 28.2 25.9 38.9



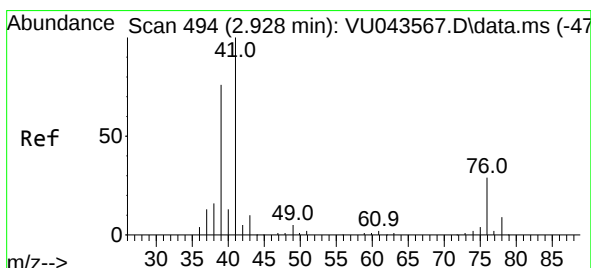
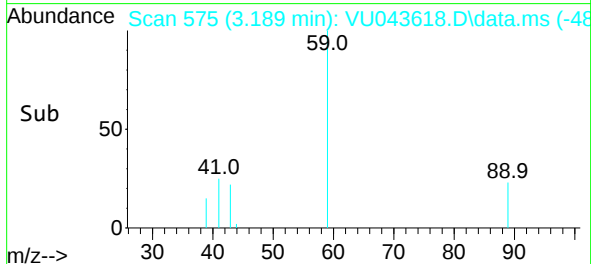
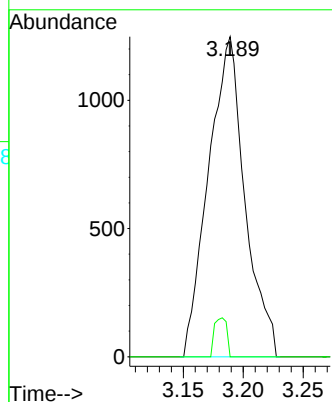
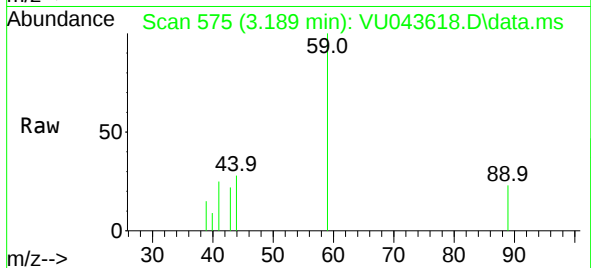


#11

Tert butyl alcohol
Concen: 3.84 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.006 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Instrument :
MSVOA_U
ClientSampleId :
MW-18

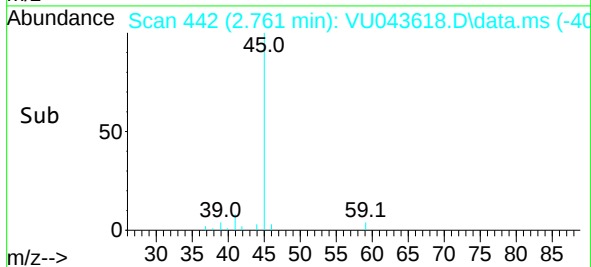
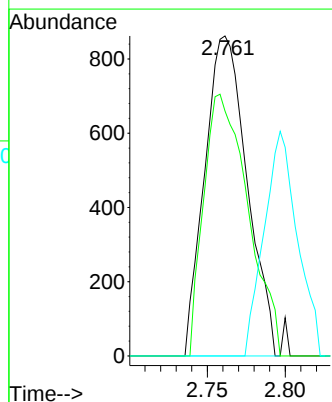
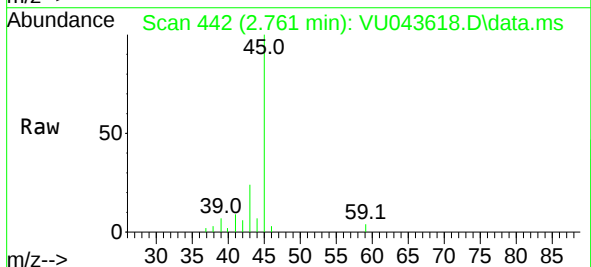
Tgt Ion: 59 Resp: 2633
Ion Ratio Lower Upper
59 100
57 4.1 8.0 12.0#

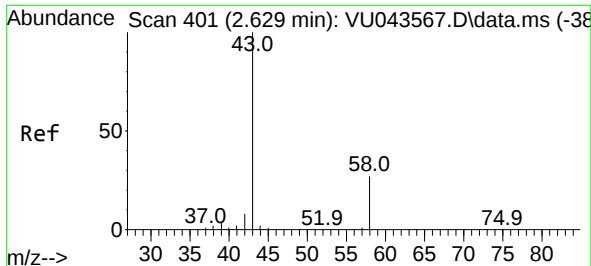


#14

Allyl chloride
Concen: 0.44 ug/l
RT: 2.761 min Scan# 442
Delta R.T. -0.167 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion: 41 Resp: 1628
Ion Ratio Lower Upper
41 100
39 85.6 54.5 81.7#
76 0.0 19.9 29.9#

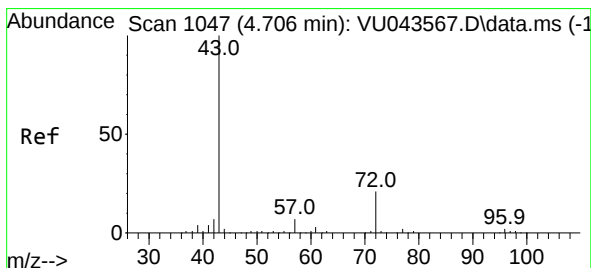
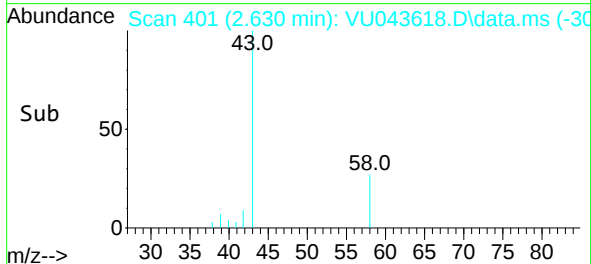
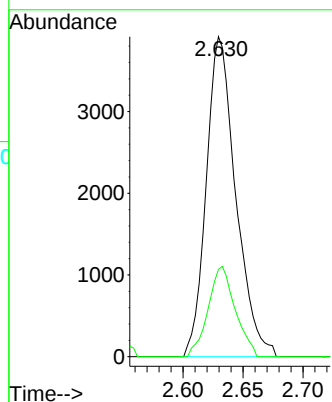
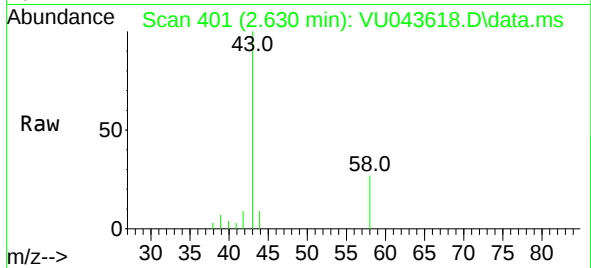




#16
Acetone
Concen: 4.72 ug/l
RT: 2.630 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

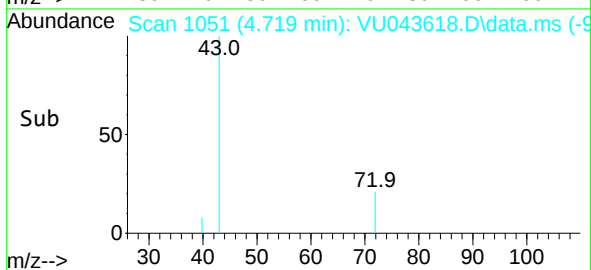
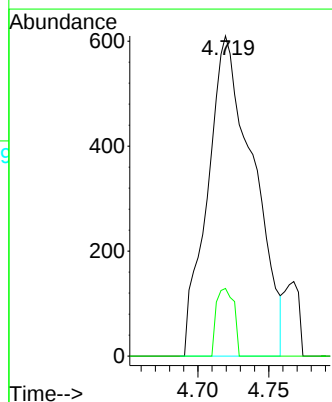
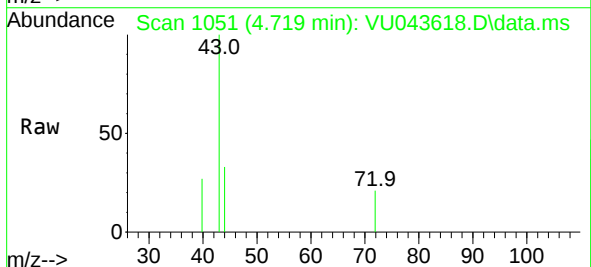
Instrument :
MSVOA_U
ClientSampled :
MW-18

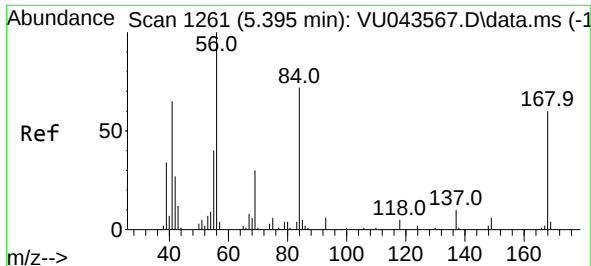
Tgt Ion: 43 Resp: 6700
Ion Ratio Lower Upper
43 100
58 27.2 21.7 32.5



#25
2-Butanone
Concen: 0.63 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.013 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
72 21.1 16.5 24.7

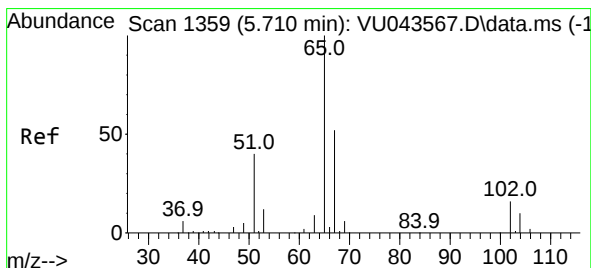
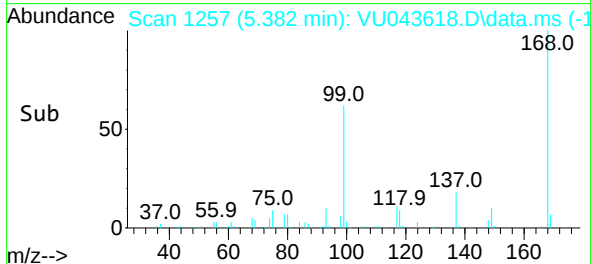
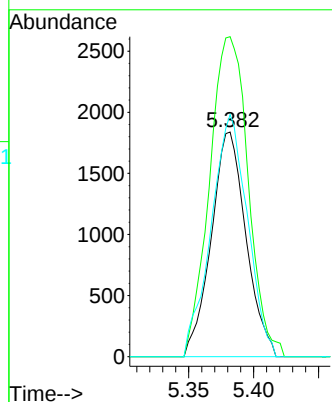
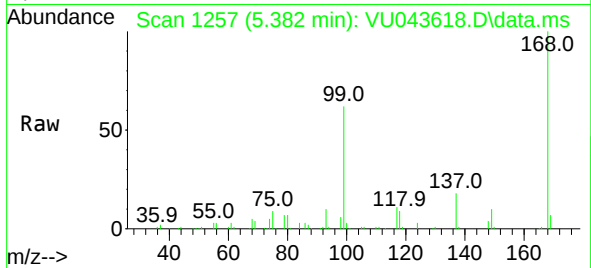




#31
Cyclohexane
Concen: 1.12 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

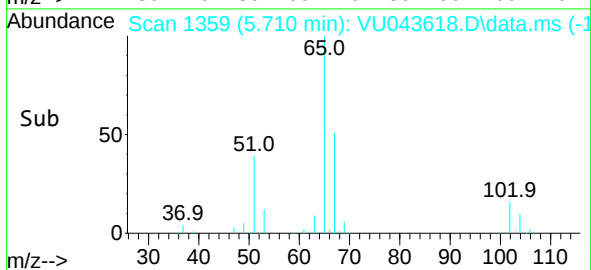
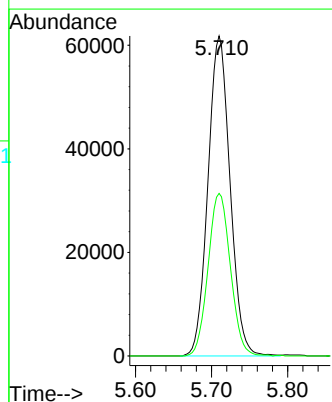
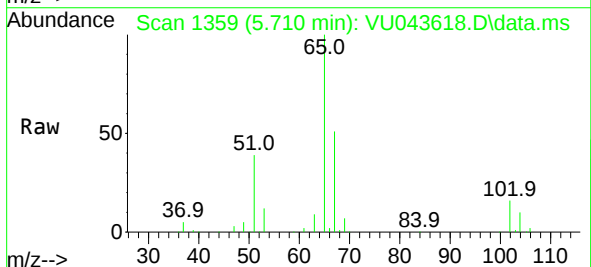
Instrument :
MSVOA_U
ClientSampleId :
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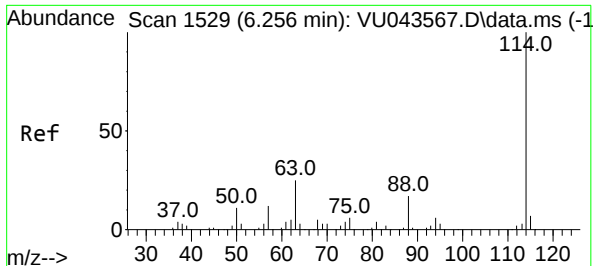
Tgt Ion: 56 Resp: 3422
Ion Ratio Lower Upper
56 100
69 142.5 23.9 35.9#
84 107.8 57.7 86.5#



#33
1,2-Dichloroethane-d4
Concen: 48.83 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion: 65 Resp: 124751
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.6

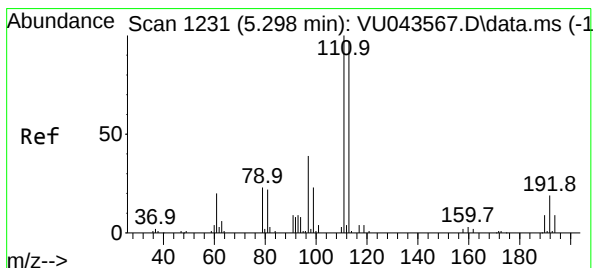
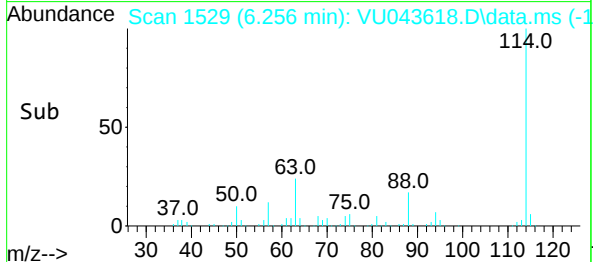
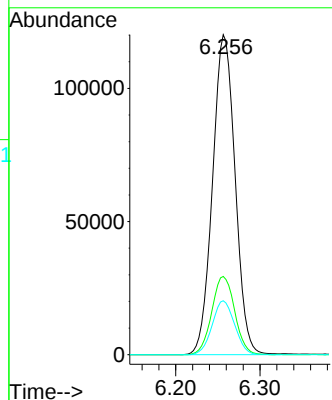
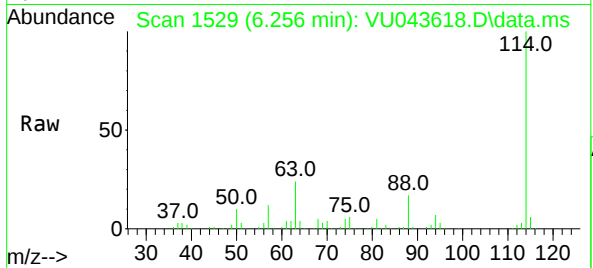




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

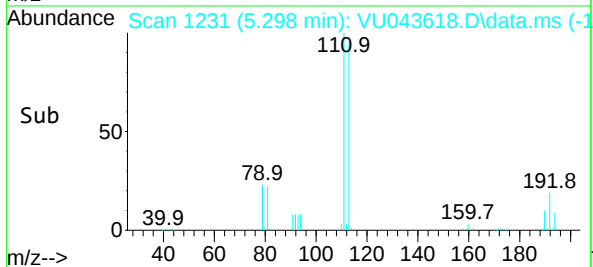
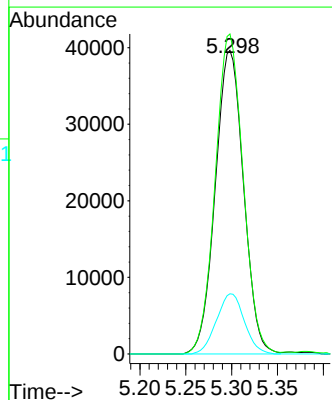
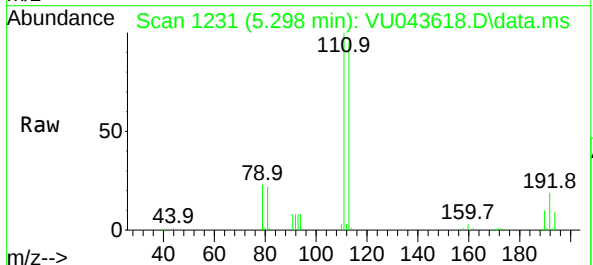
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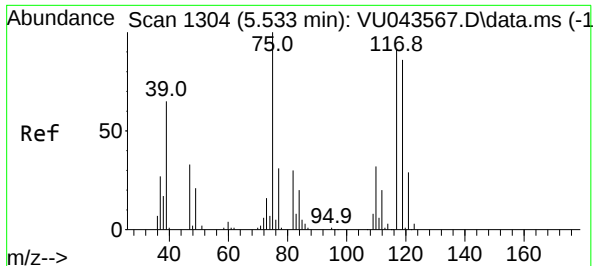
Tgt Ion:114 Resp: 223294
Ion Ratio Lower Upper
114 100
63 24.4 0.0 50.2
88 16.9 0.0 33.8



#35
Dibromofluoromethane
Concen: 47.63 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion:113 Resp: 84815
Ion Ratio Lower Upper
113 100
111 104.3 82.3 123.5
192 19.6 15.8 23.6



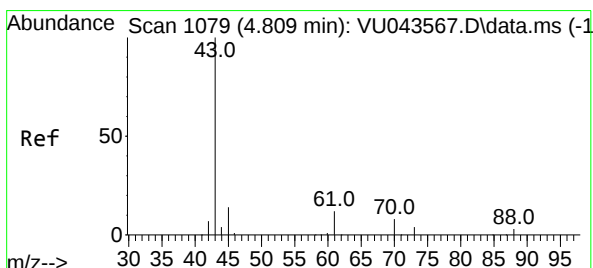
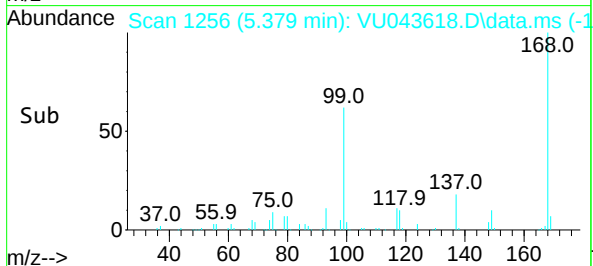
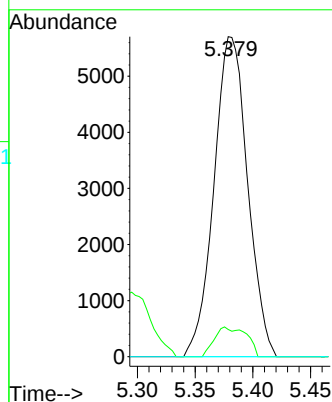
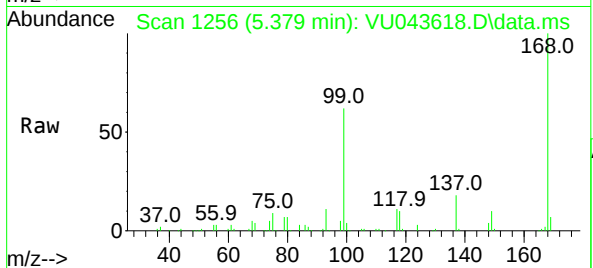


#36

1,1-Dichloropropene
Concen: 4.56 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

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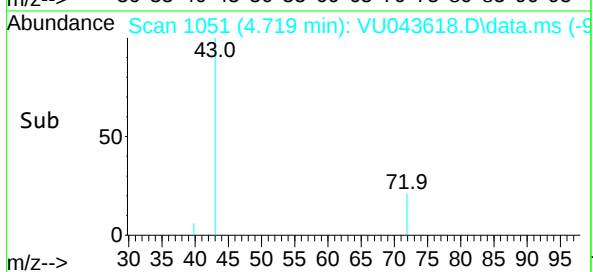
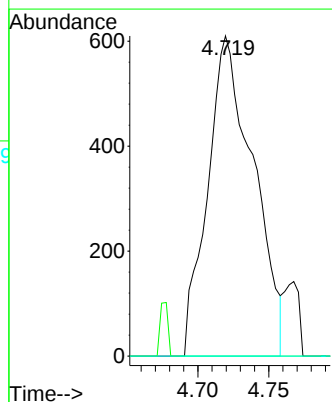
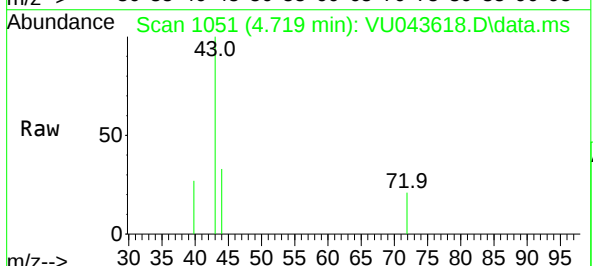
Tgt Ion: 75 Resp: 11559
Ion Ratio Lower Upper
75 100
110 8.8 16.2 48.5#
77 0.0 24.4 36.6#

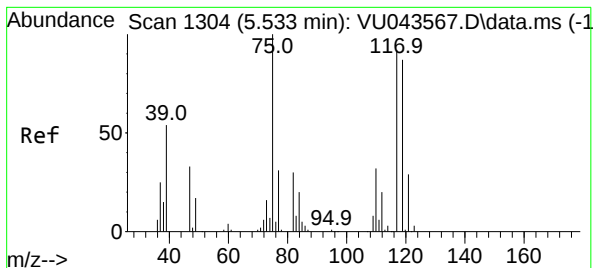


#37

Ethyl Acetate
Concen: 0.32 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. -0.090 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 6.5 9.7#





#38

Carbon Tetrachloride

Concen: 5.35 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU043618.D

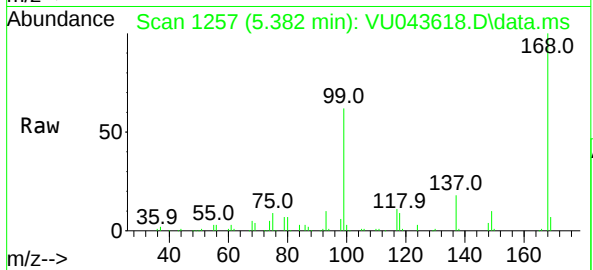
Acq: 07 May 2021 17:26

Instrument :

MSVOA_U

ClientSampleId :

MW-18



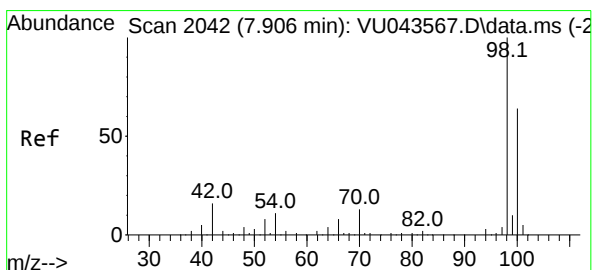
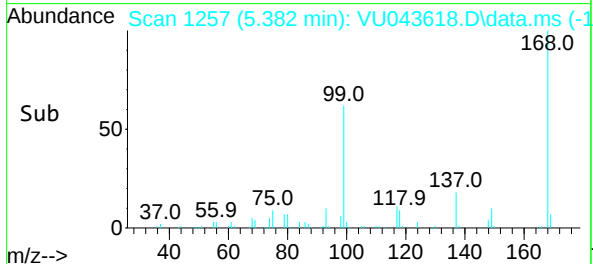
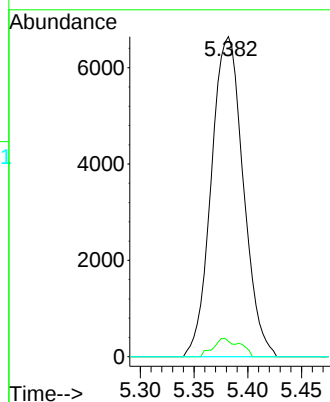
Tgt Ion:117 Resp: 13738

Ion Ratio Lower Upper

117 100

119 4.8 75.4 113.0#

121 0.0 25.2 37.8#



#50

Toluene-d8

Concen: 48.97 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. 0.000 min

Lab File: VU043618.D

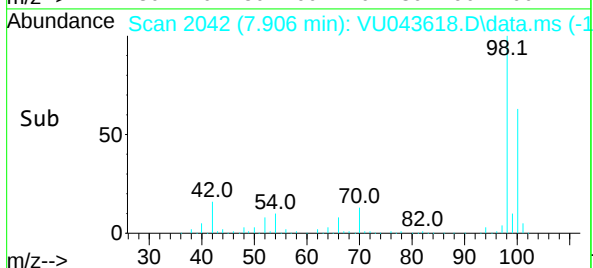
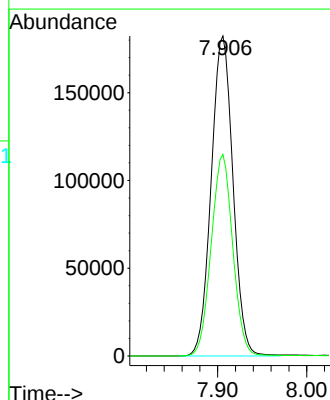
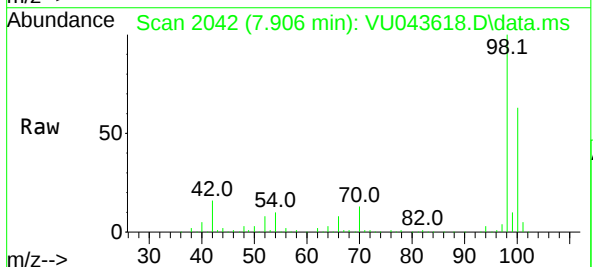
Acq: 07 May 2021 17:26

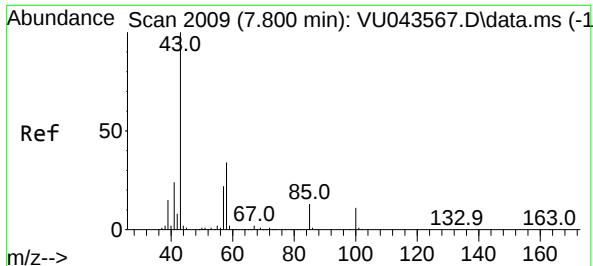
Tgt Ion: 98 Resp: 309217

Ion Ratio Lower Upper

98 100

100 62.4 50.5 75.7

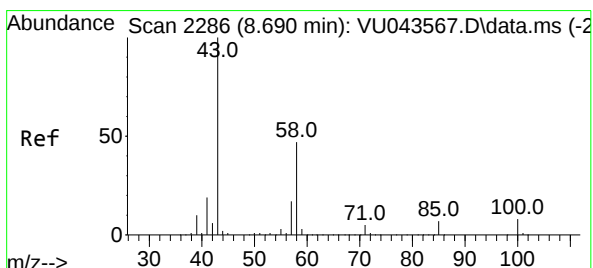
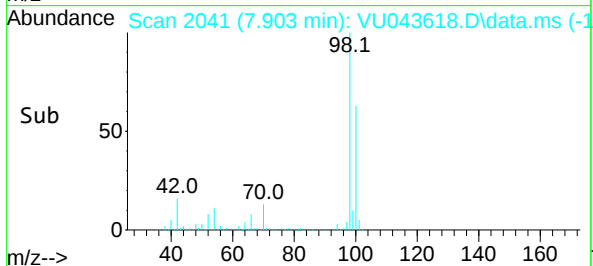
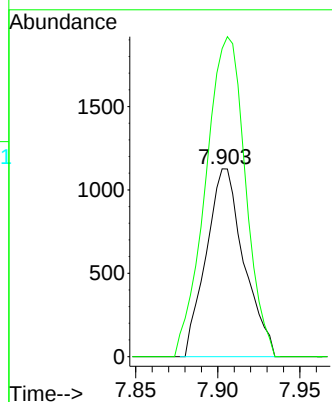
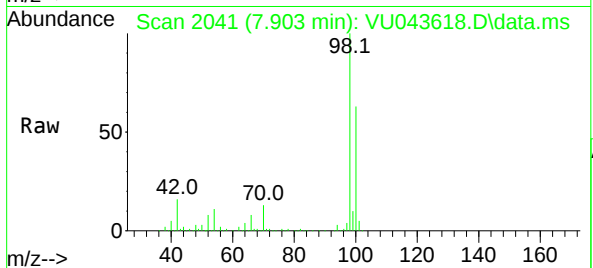




#51
4-Methyl-2-Pentanone
Concen: 19.51 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.103 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

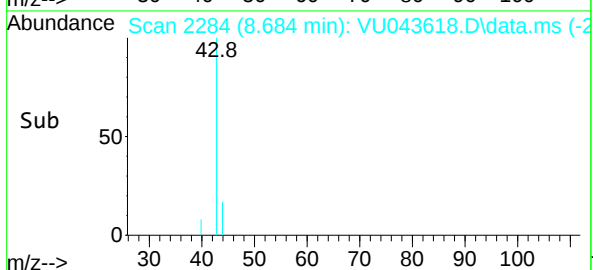
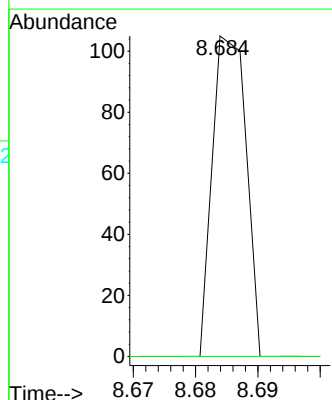
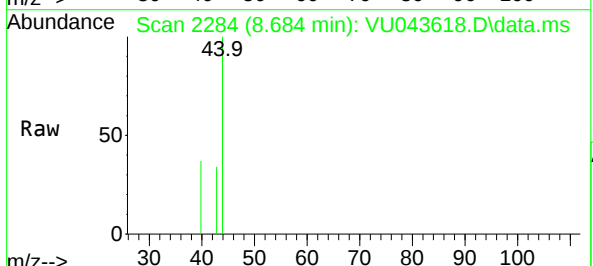
Instrument :
MSVOA_U
ClientSampleId :
MW-18

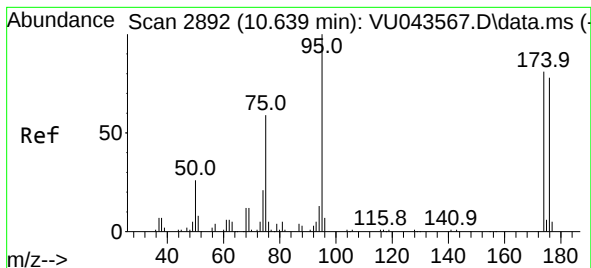
Tgt Ion: 43 Resp: 1797
Ion Ratio Lower Upper
43 100
58 180.1 27.2 40.8#



#59
2-Hexanone
Concen: 20.72 ug/l
RT: 8.684 min Scan# 2284
Delta R.T. -0.006 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
58 0.0 23.4 70.2#

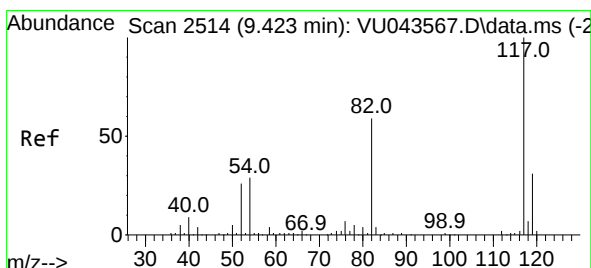
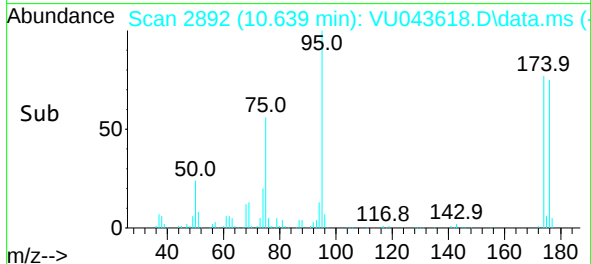
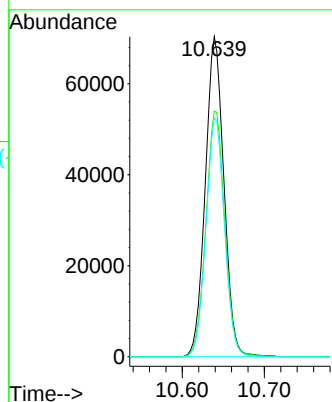
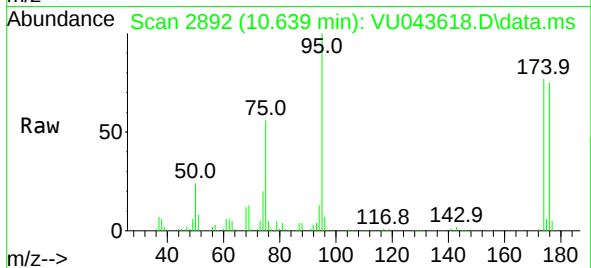




#62
4-Bromofluorobenzene
Concen: 46.04 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

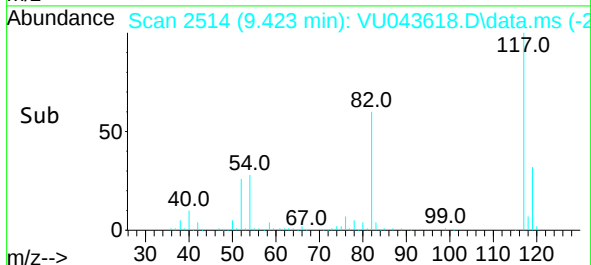
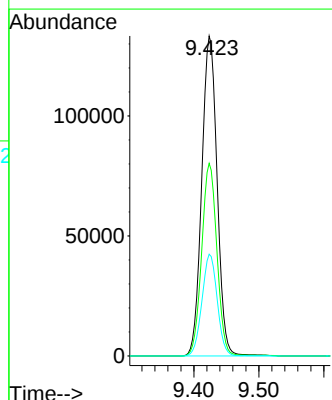
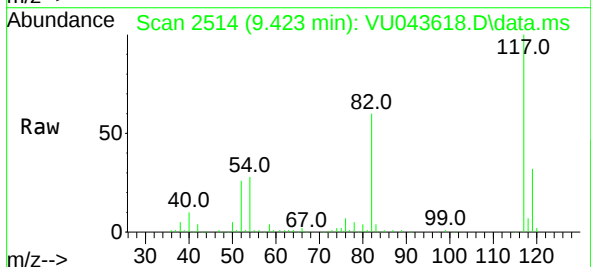
Instrument :
MSVOA_U
ClientSampleId :
MW-18

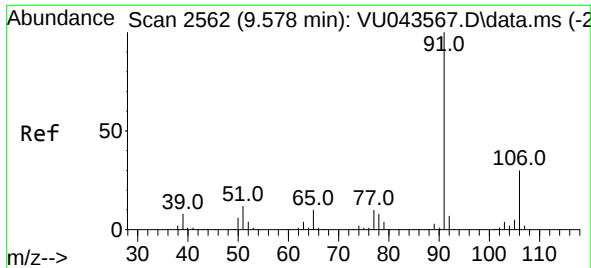
Tgt Ion: 95 Resp: 110603
Ion Ratio Lower Upper
95 100
174 78.3 0.0 158.8
176 74.3 0.0 155.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion: 117 Resp: 220031
Ion Ratio Lower Upper
117 100
82 60.2 47.5 71.3
119 31.8 24.7 37.1

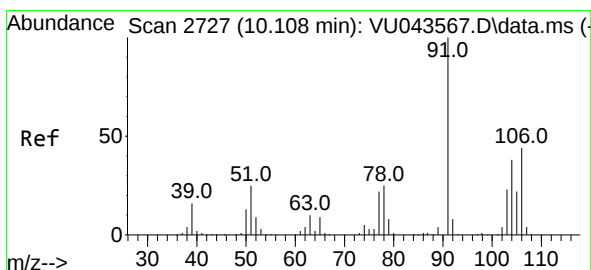
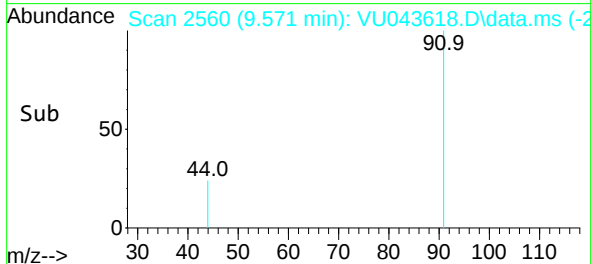
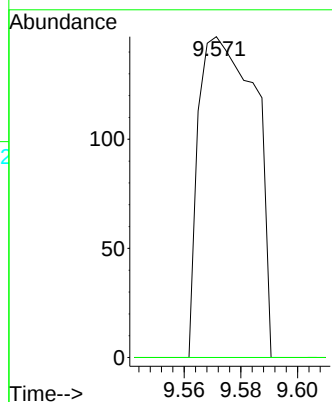
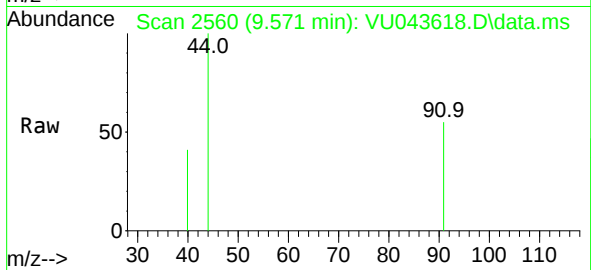




#67
Ethyl Benzene
Concen: 1.47 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. -0.007 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

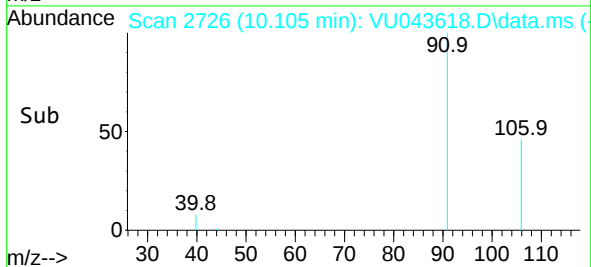
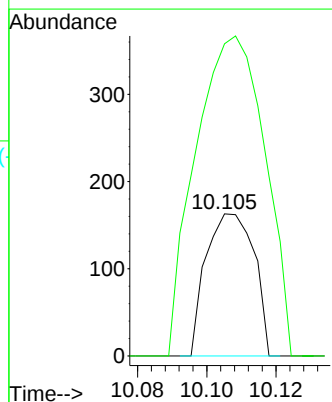
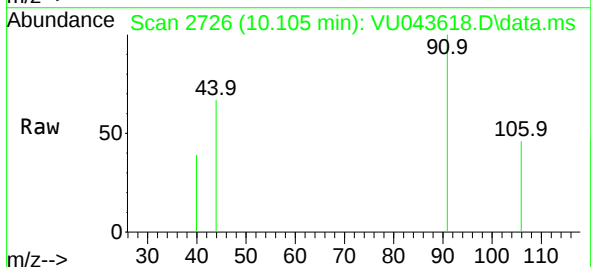
Instrument :
MSVOA_U
ClientSampled :
MW-18

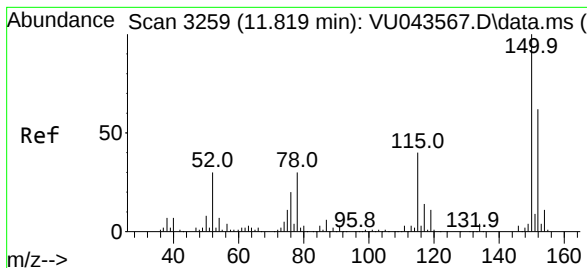
Tgt Ion: 91 Resp: 203
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#



#69
o-Xylene
Concen: 1.91 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion: 106 Resp: 157
Ion Ratio Lower Upper
106 100
91 324.2 114.5 343.5

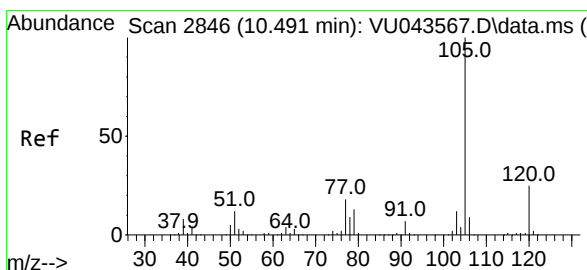
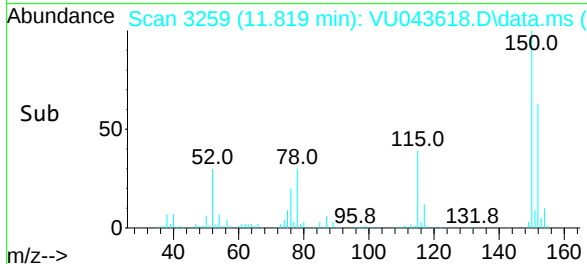
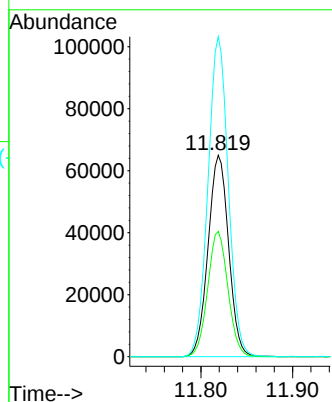
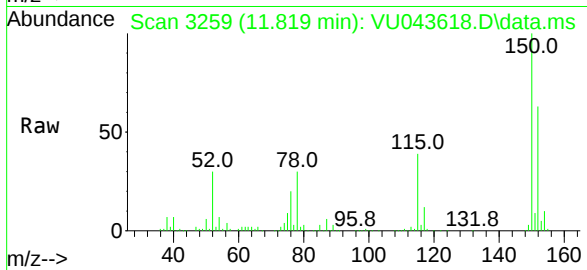




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

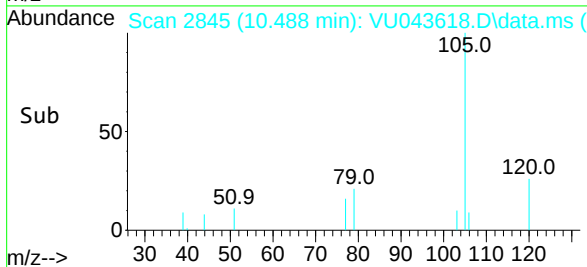
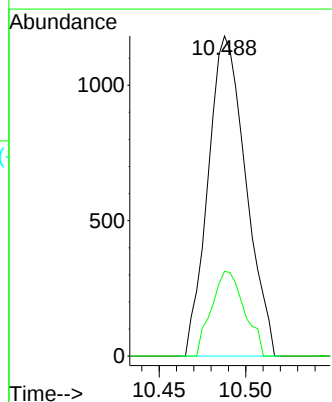
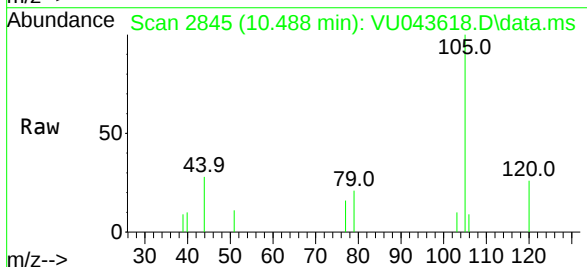
Instrument :
MSVOA_U
ClientSampleId :
MW-18

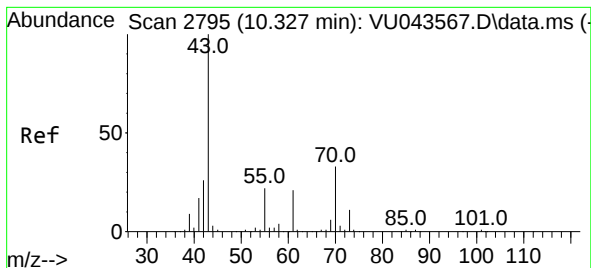
Tgt Ion:152 Resp: 101238
Ion Ratio Lower Upper
152 100
115 61.3 46.1 138.3
150 156.9 0.0 361.0



#73
Isopropylbenzene
Concen: 0.25 ug/l
RT: 10.488 min Scan# 2845
Delta R.T. -0.003 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion:105 Resp: 1792
Ion Ratio Lower Upper
105 100
120 23.1 12.6 37.6

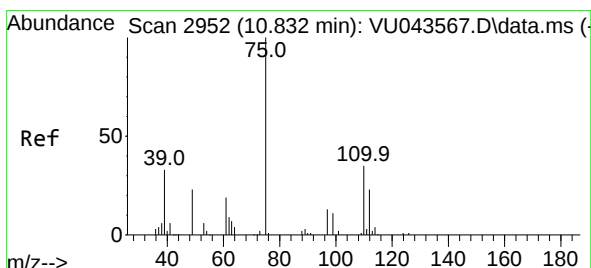
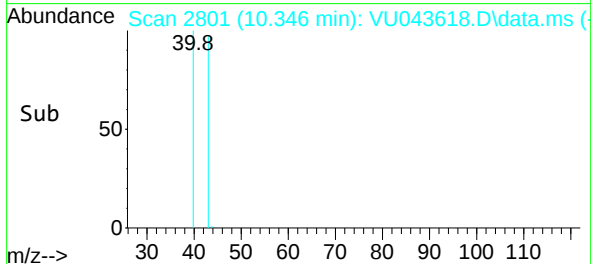
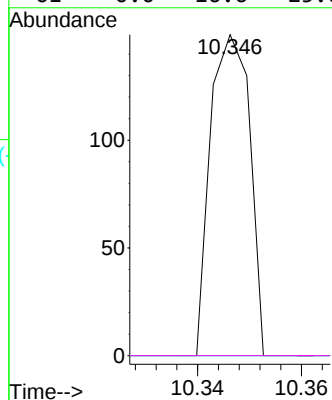
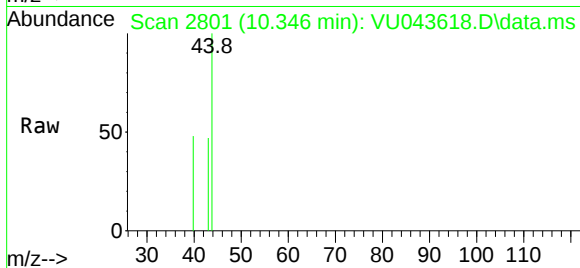




#74
N-amy1 acetate
Concen: 2.53 ug/l
RT: 10.346 min Scan# 2801
Delta R.T. 0.019 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

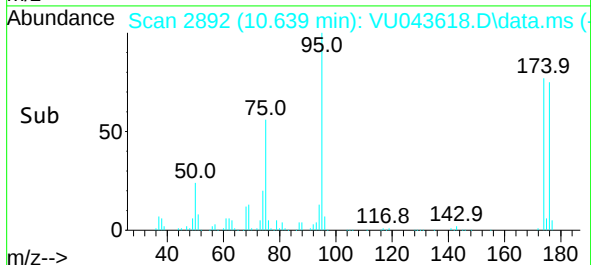
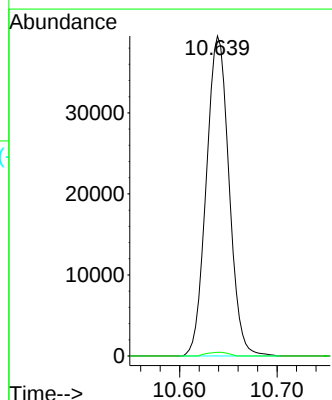
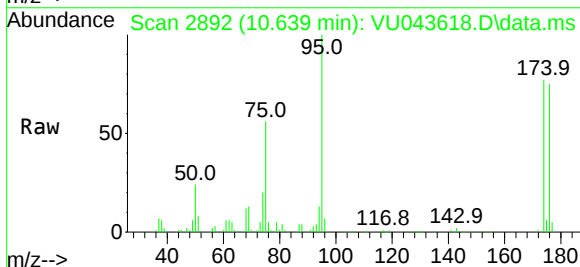
Instrument :
MSVOA_U
ClientSampleId :
MW-18

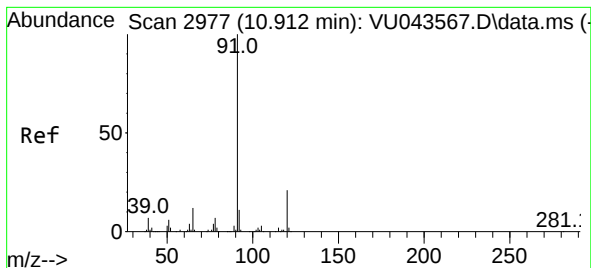
Tgt Ion: 43	Resp: 78
Ion Ratio	Lower Upper
43 100	
70 0.0	26.4 39.6#
55 0.0	18.0 27.0#
61 0.0	16.6 25.0#



#76
1,2,3-Trichloropropane
Concen: 19.87 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion: 75	Resp: 63974
Ion Ratio	Lower Upper
75 100	
77 1.1	17.1 51.3#

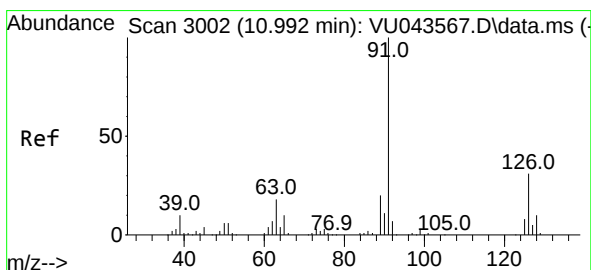
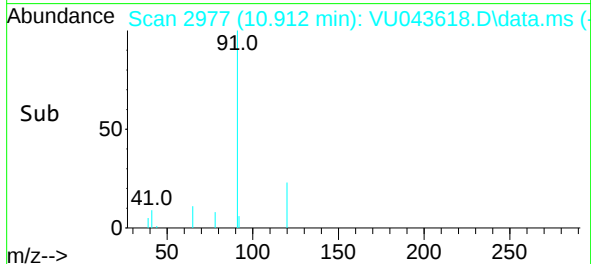
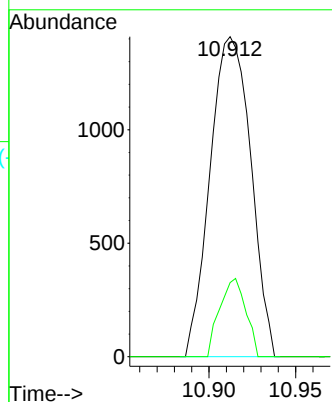
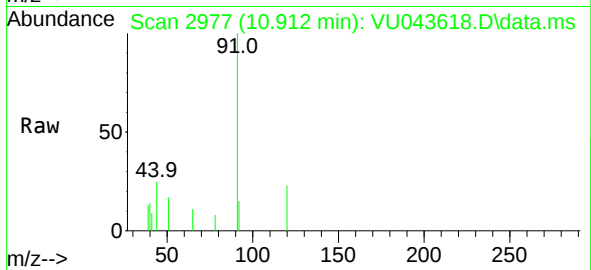




#78
n-propylbenzene
Concen: 0.26 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.000 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

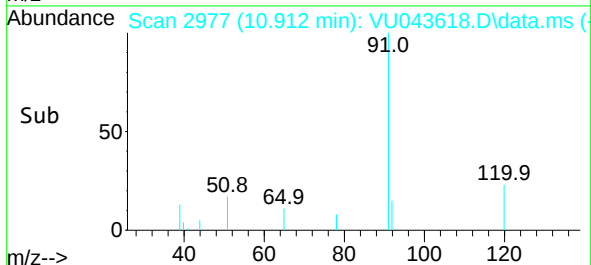
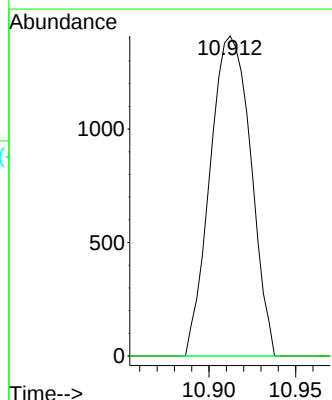
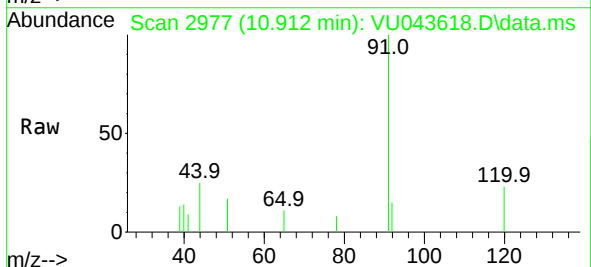
Instrument :
MSVOA_U
ClientSampleId :
MW-18

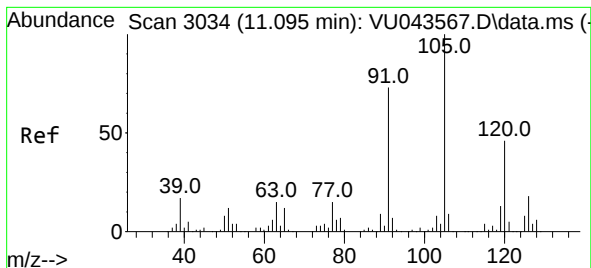
Tgt Ion: 91 Resp: 2310
Ion Ratio Lower Upper
91 100
120 15.6 10.4 31.2



#79
2-Chlorotoluene
Concen: 0.42 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.080 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion: 91 Resp: 2310
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.3#

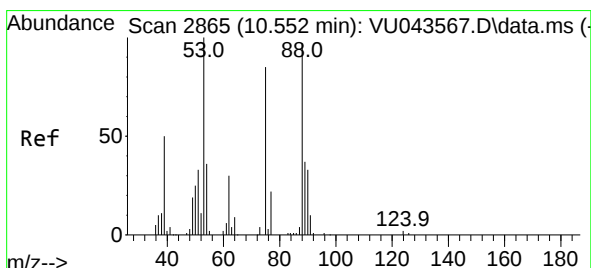
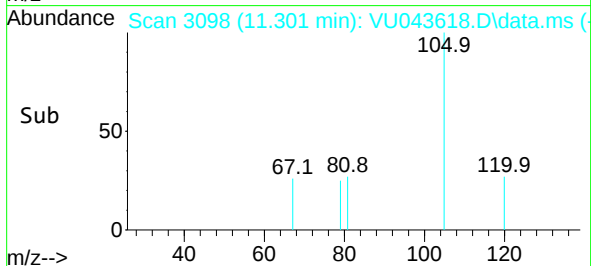
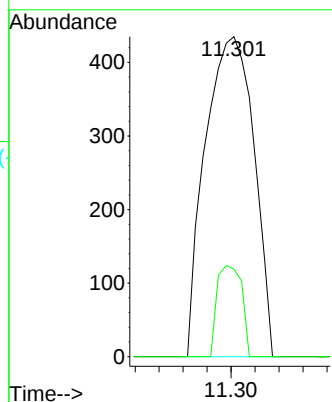
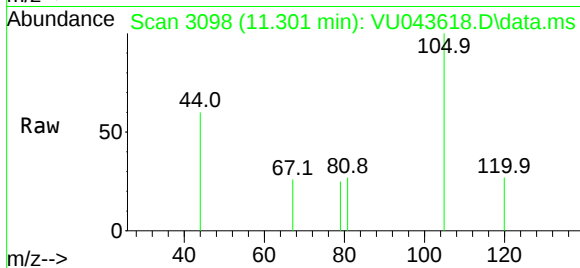




#80
1,3,5-Trimethylbenzene
Concen: 0.82 ug/l
RT: 11.301 min Scan# 3098
Delta R.T. 0.206 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

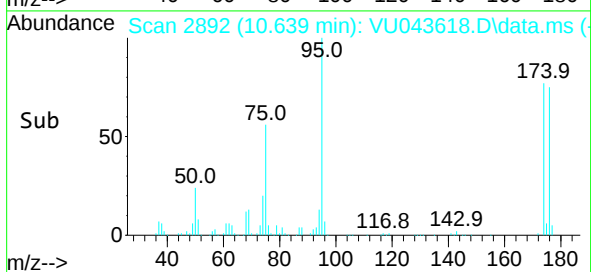
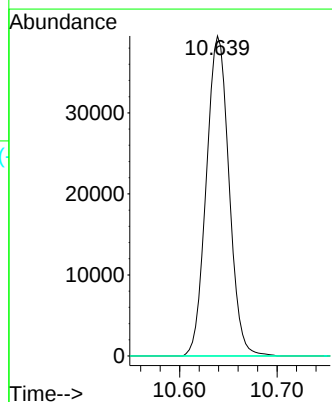
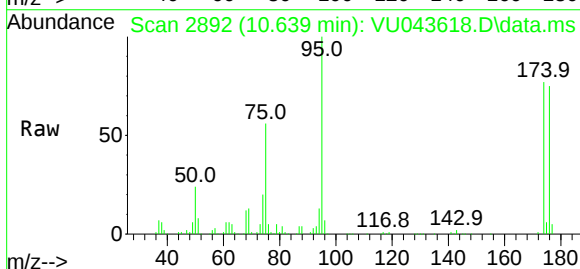
Instrument :
MSVOA_U
ClientSampleId :
MW-18

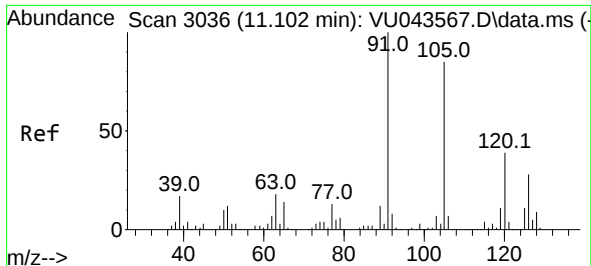
Tgt Ion:105 Resp: 613
Ion Ratio Lower Upper
105 100
120 14.4 22.9 68.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.72 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion: 75 Resp: 63974
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#

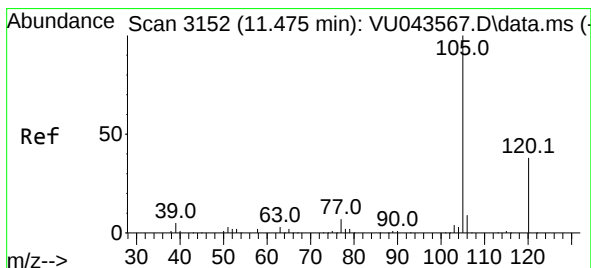
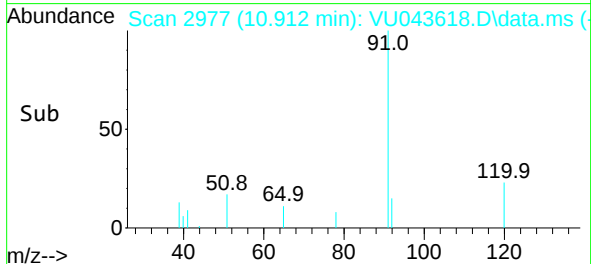
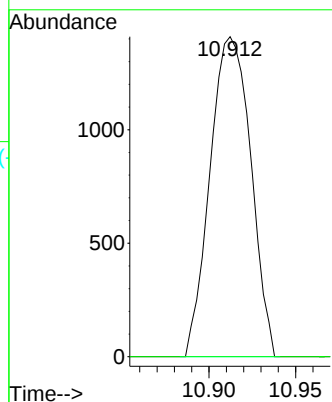
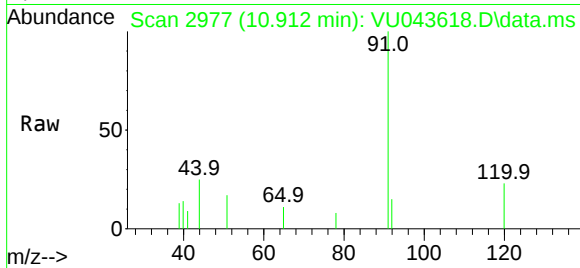




#82
4-Chlorotoluene
Concen: 0.37 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.190 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

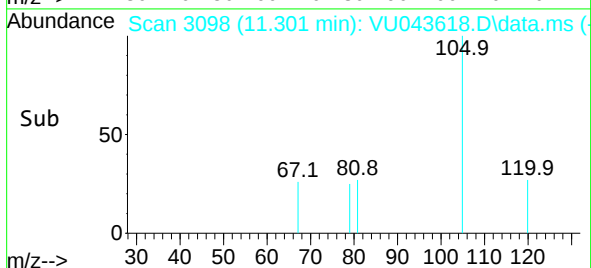
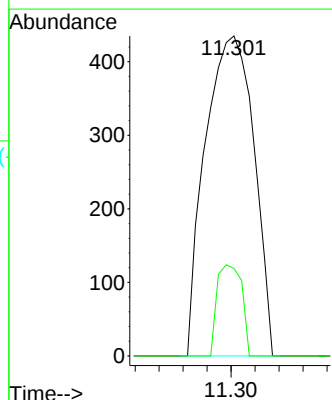
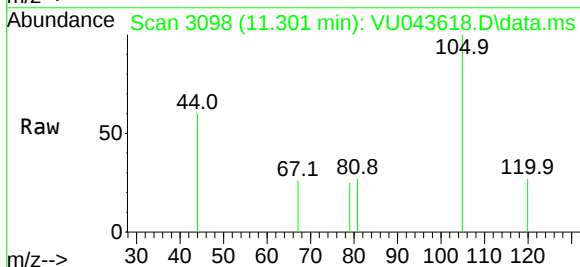
Instrument :
MSVOA_U
ClientSampled :
MW-18

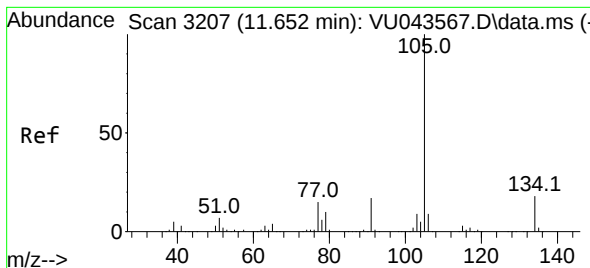
Tgt Ion: 91 Resp: 2310
Ion Ratio Lower Upper
91 100
126 0.0 13.7 41.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.20 ug/l
RT: 11.301 min Scan# 3098
Delta R.T. -0.174 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion: 105 Resp: 613
Ion Ratio Lower Upper
105 100
120 14.4 21.4 64.2#

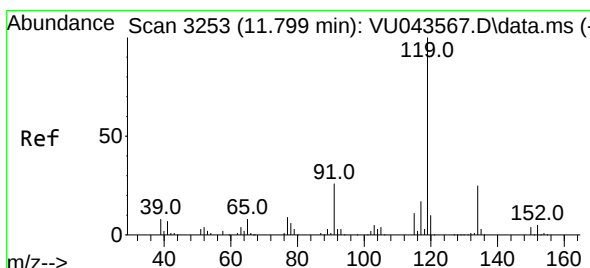
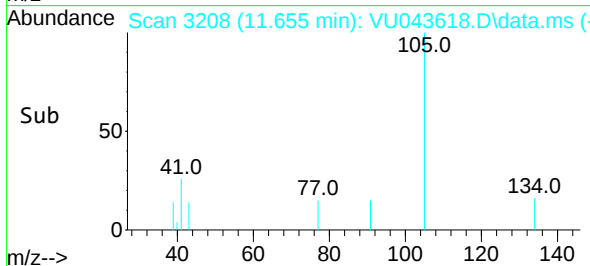
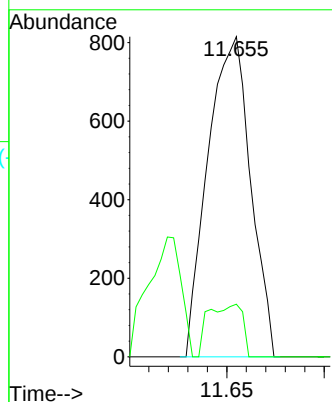
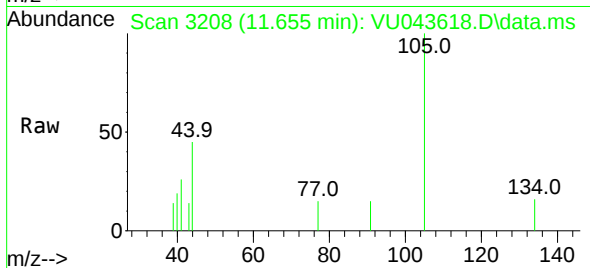




#85
 sec-Butylbenzene
 Concen: 1.48 ug/l
 RT: 11.655 min Scan# 3208
 Delta R.T. 0.003 min
 Lab File: VU043618.D
 Acq: 07 May 2021 17:26

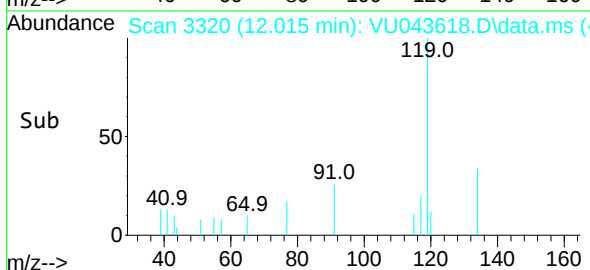
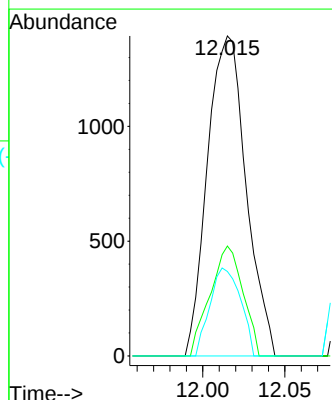
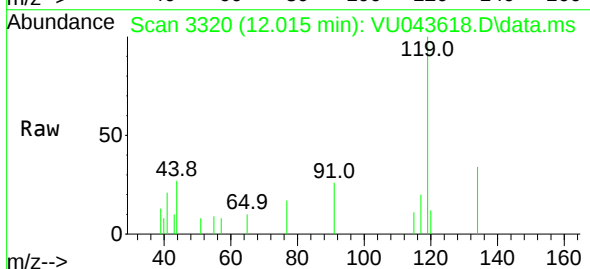
Instrument :
 MSVOA_U
 ClientSampled :
 MW-18

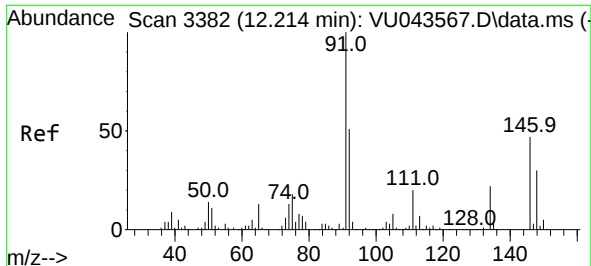
Tgt Ion:105 Resp: 1240
 Ion Ratio Lower Upper
 105 100
 134 13.1 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 1.78 ug/l
 RT: 12.015 min Scan# 3320
 Delta R.T. 0.216 min
 Lab File: VU043618.D
 Acq: 07 May 2021 17:26

Tgt Ion:119 Resp: 2282
 Ion Ratio Lower Upper
 119 100
 134 29.2 12.7 38.0
 91 21.7 13.3 39.9

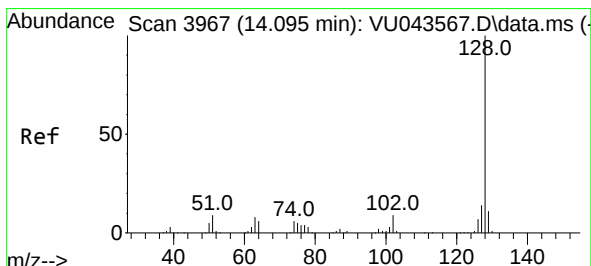
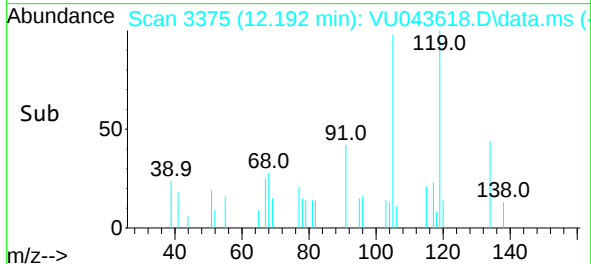
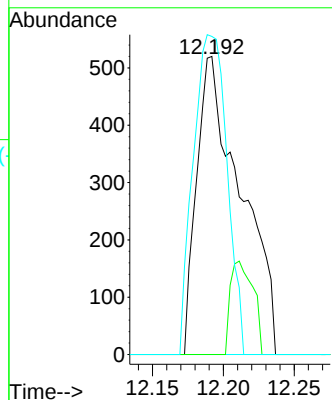
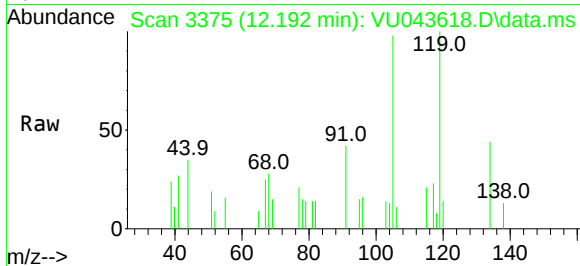




#89
n-Butylbenzene
Concen: 2.68 ug/l
RT: 12.192 min Scan# 3375
Delta R.T. -0.022 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Instrument :
MSVOA_U
ClientSampled :
MW-18

Tgt Ion: 91 Resp: 1124
Ion Ratio Lower Upper
91 100
92 0.0 25.4 76.2#
134 82.0 11.3 33.9#



#95
Naphthalene
Concen: 1.59 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. -0.003 min
Lab File: VU043618.D
Acq: 07 May 2021 17:26

Tgt Ion: 128 Resp: 577
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 44.4 8.6 12.8#

