

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022221\
 Data File : VU042401.D
 Acq On : 22 Feb 2021 17:34
 Operator : SY/MD
 Sample : PB134750TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 23 01:04:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 19 02:55:52 2021
 Response via : Initial Calibration

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

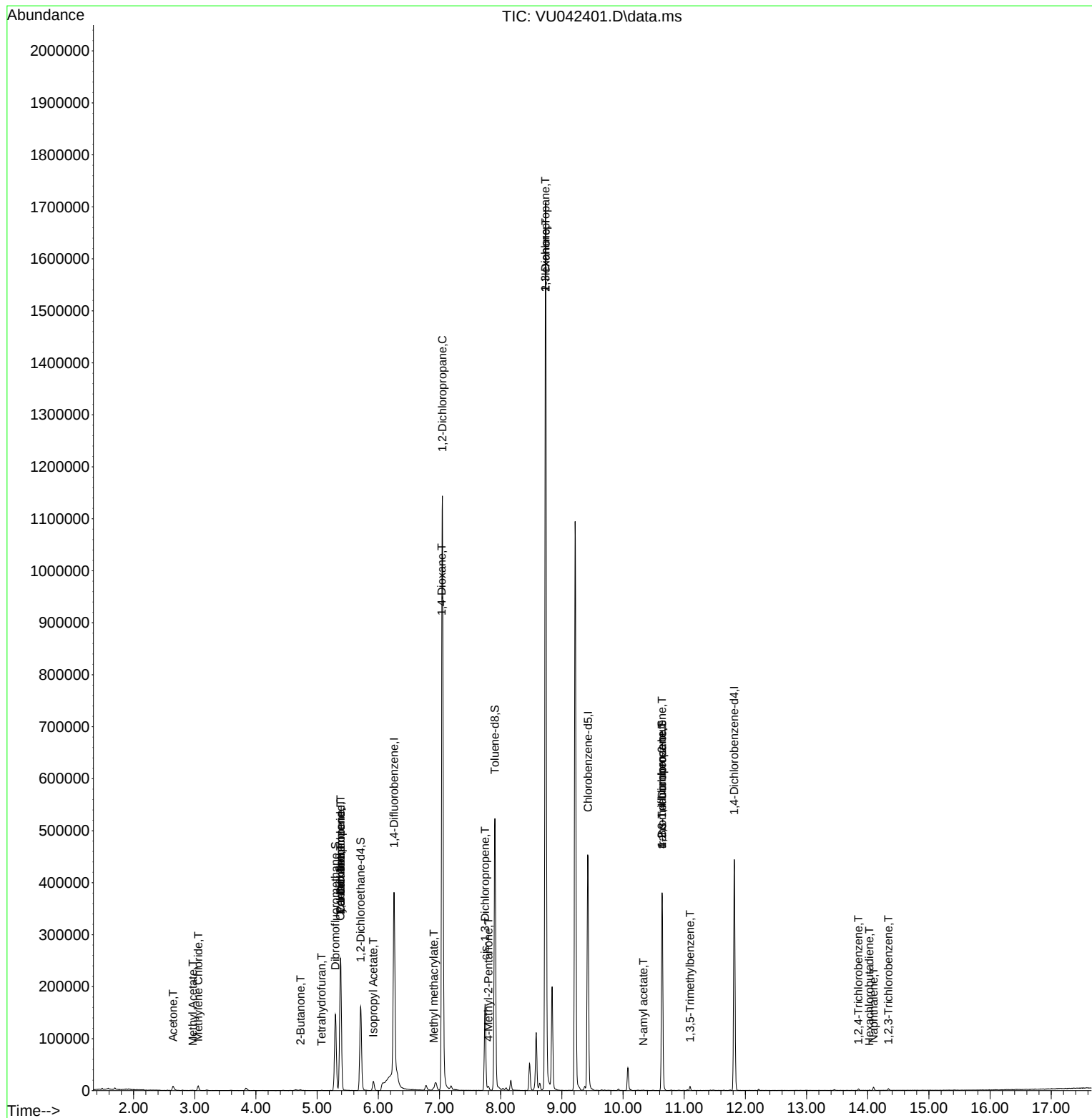
Internal Standards						
1) Pentafluorobenzene	5.385	168	178697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	267262	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	241699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	110633	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	128977	47.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.18%	
35) Dibromofluoromethane	5.298	113	90705	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	
50) Toluene-d8	7.906	98	332242	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	10.639	95	117776	44.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.46%	
Target Compounds					Qvalue	
16) Acetone	2.646	43	12526	7.45	ug/l	96
18) Methyl Acetate	2.967	43	860	0.28	ug/l #	60
20) Methylene Chloride	3.057	84	4079	2.10	ug/l	91
25) 2-Butanone	4.729	43	2896	1.30	ug/l	93
29) Tetrahydrofuran	5.073	42	535	0.39	ug/l #	43
31) Cyclohexane	5.379	56	4222	1.19	ug/l #	12
36) 1,1-Dichloropropene	5.385	75	13870	5.25	ug/l #	50
38) Carbon Tetrachloride	5.382	117	18049	6.39	ug/l #	16
43) Isopropyl Acetate	5.919	43	20385	3.38	ug/l	96
45) 1,2-Dichloropropane	7.047	63	1248	0.61	ug/l #	43
48) Methyl methacrylate	6.906	41	6047	2.03	ug/l #	17
49) 1,4-Dioxane	7.038	88	148	2.58	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	5424	1.33	ug/l	97
54) cis-1,3-Dichloropropene	7.745	75	26741	8.12	ug/l #	62
57) 1,3-Dichloropropane	8.732	76	16370	4.92	ug/l #	43
59) 2-Hexanone	8.735	43	272774	83.55	ug/l #	53
74) N-amyl acetate	10.333	43	926	0.22	ug/l #	60
76) 1,2,3-Trichloropropane	10.639	75	65758	24.04	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.095	105	4079	0.64	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.639	75	65758	65.36	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.848	180	1097	2.12	ug/l	89
94) Hexachlorobutadiene	14.024	225	272	0.22	ug/l	72
95) Naphthalene	14.095	128	5172	2.88	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.340	180	1158	2.15	ug/l	79

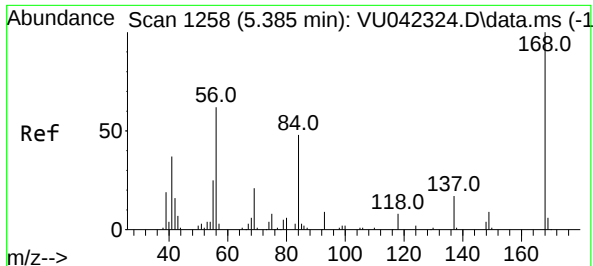
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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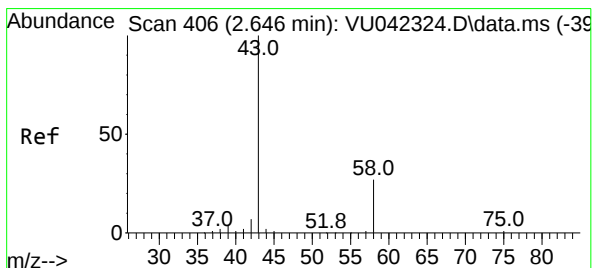
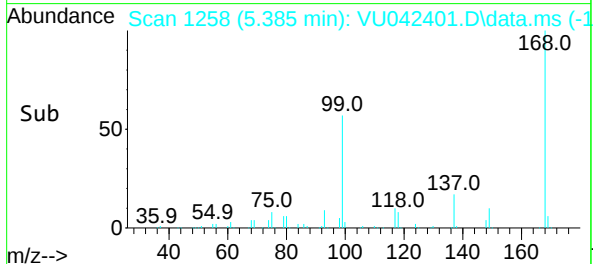
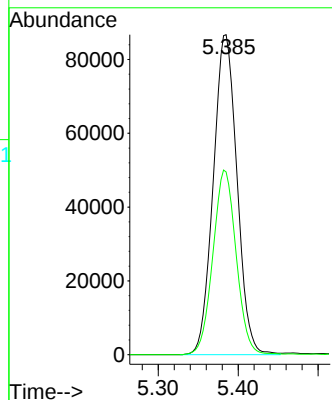
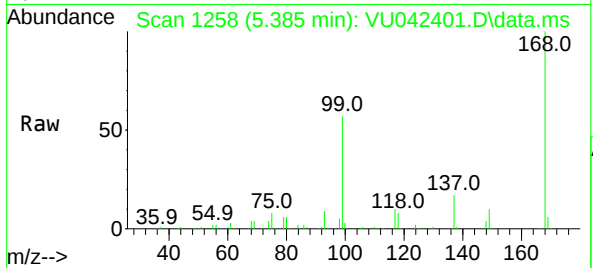




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

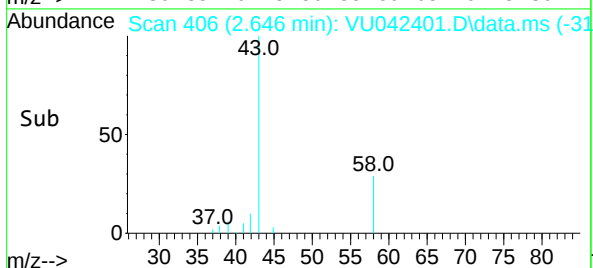
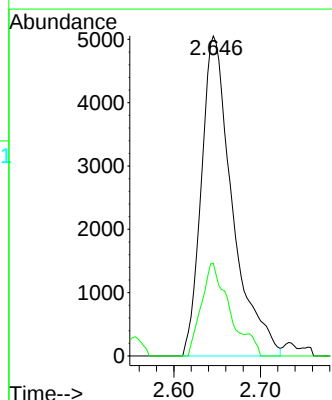
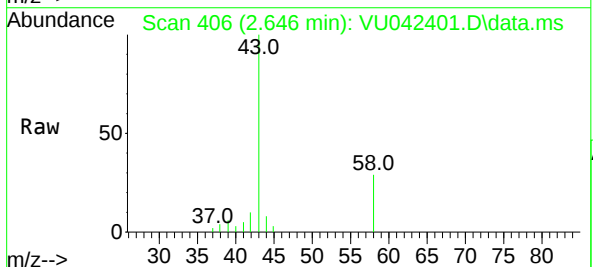
Instrument :
MSVOA_U
ClientSampleId :

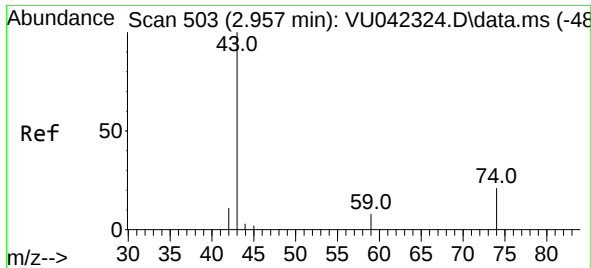
Tgt Ion:168 Resp: 178697
Ion Ratio Lower Upper
168 100
99 57.1 45.0 67.4



#16
Acetone
Concen: 7.45 ug/l
RT: 2.646 min Scan# 406
Delta R.T. -0.000 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Tgt Ion: 43 Resp: 12526
Ion Ratio Lower Upper
43 100
58 28.9 21.5 32.3

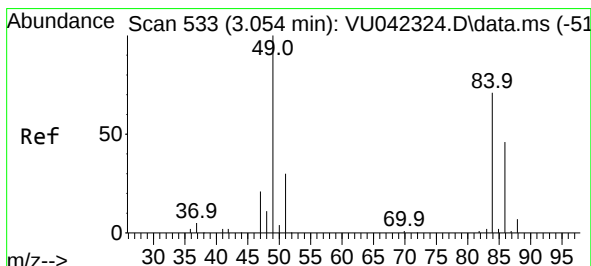
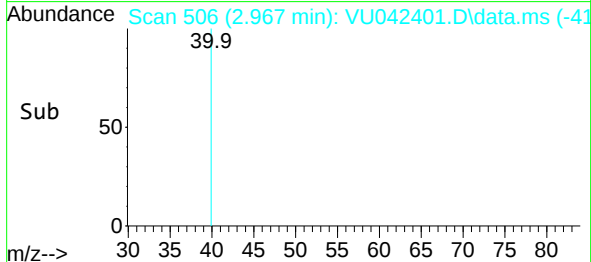
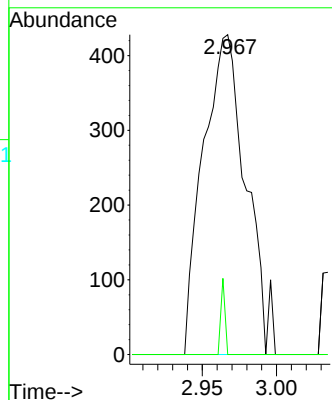
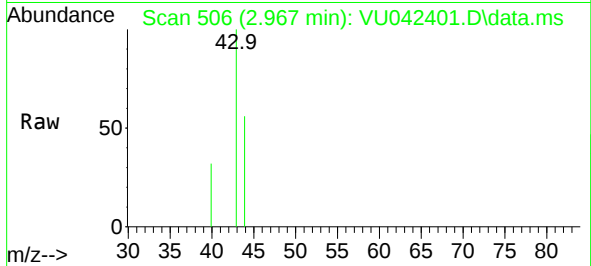




#18
Methyl Acetate
Concen: 0.28 ug/l
RT: 2.967 min Scan# 506
Delta R.T. 0.010 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

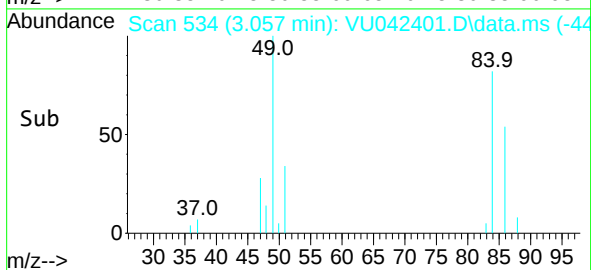
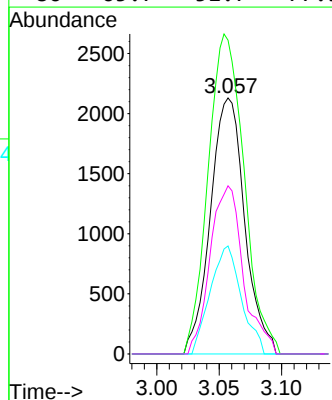
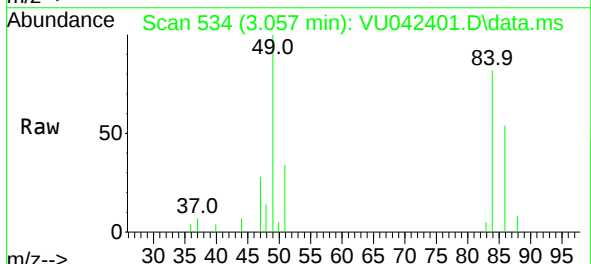
Instrument :
MSVOA_U
ClientSampled :

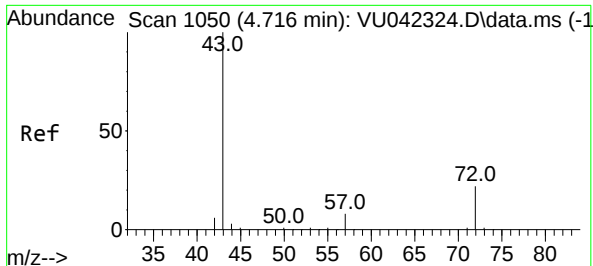
Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
74 2.3 16.6 25.0#



#20
Methylene Chloride
Concen: 2.10 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.003 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Tgt Ion: 84 Resp: 4079
Ion Ratio Lower Upper
84 100
49 122.6 112.6 169.0
51 42.2 33.7 50.5
86 65.7 51.7 77.5

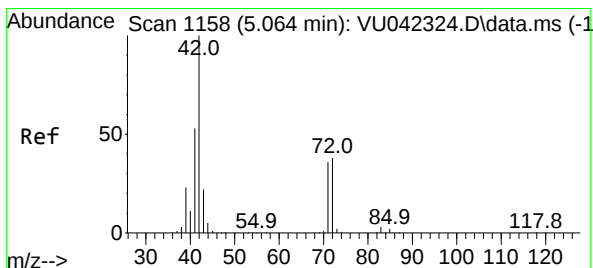
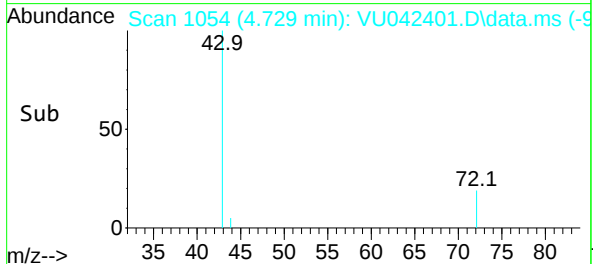
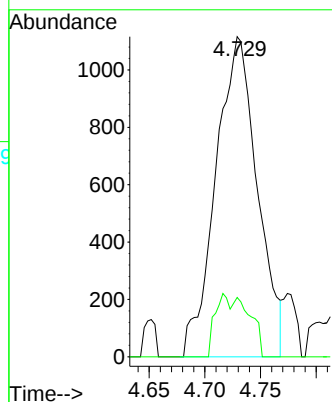
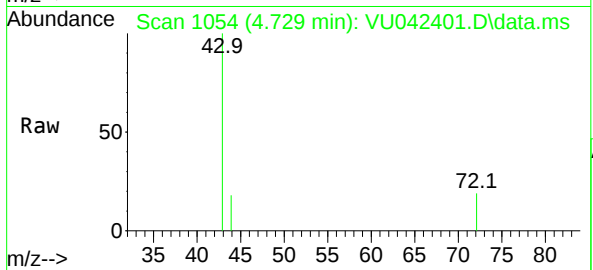




#25
2-Butanone
Concen: 1.30 ug/l
RT: 4.729 min Scan# 1054
Delta R.T. 0.013 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

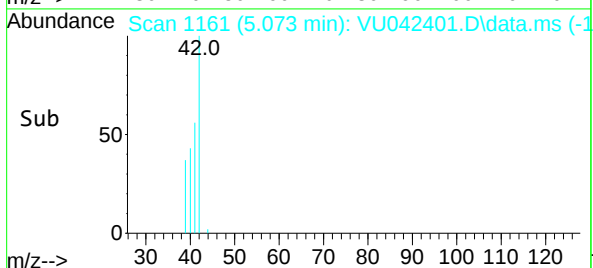
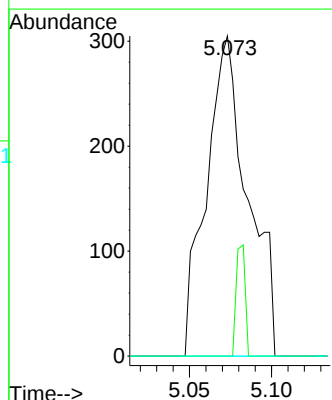
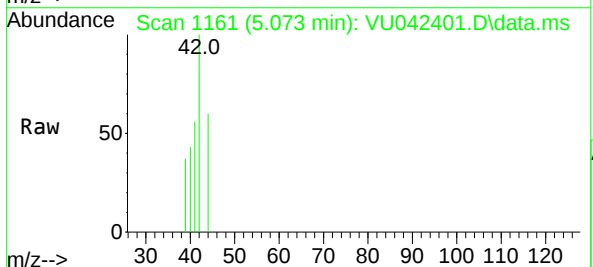
Instrument :
MSVOA_U
ClientSampled :

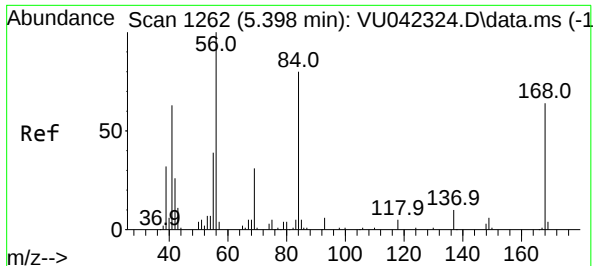
Tgt Ion: 43 Resp: 2896
Ion Ratio Lower Upper
43 100
72 18.5 17.4 26.0



#29
Tetrahydrofuran
Concen: 0.39 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.010 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

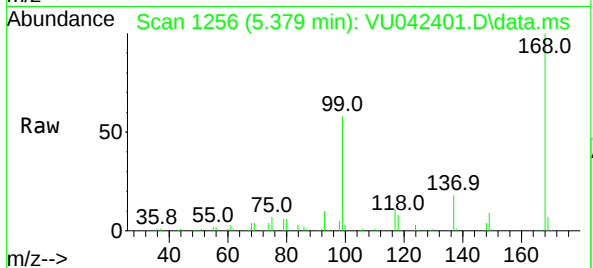
Tgt Ion: 42 Resp: 535
Ion Ratio Lower Upper
42 100
72 7.5 31.5 47.3#
71 0.0 29.5 44.3#



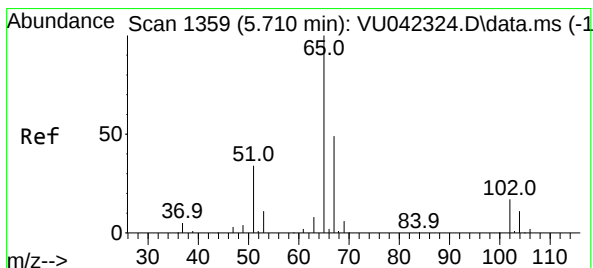
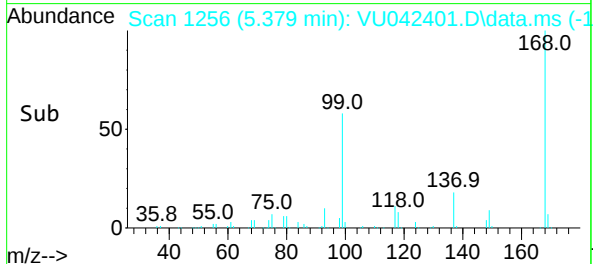
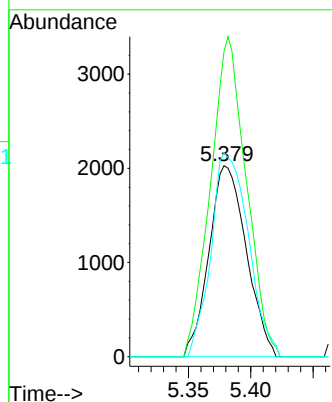


#31
Cyclohexane
Concen: 1.19 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.019 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Instrument :
MSVOA_U
ClientSampled :

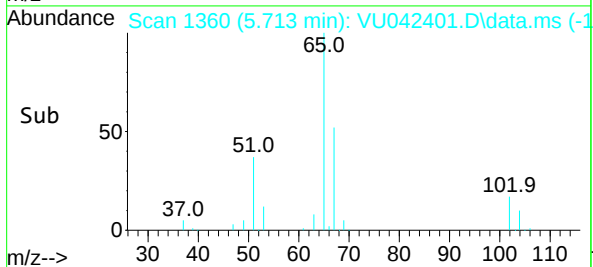
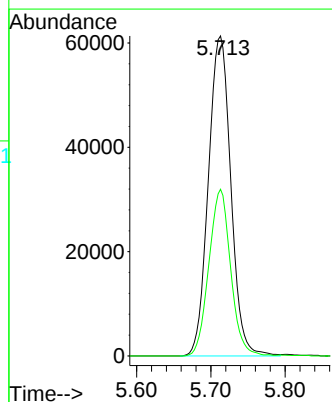
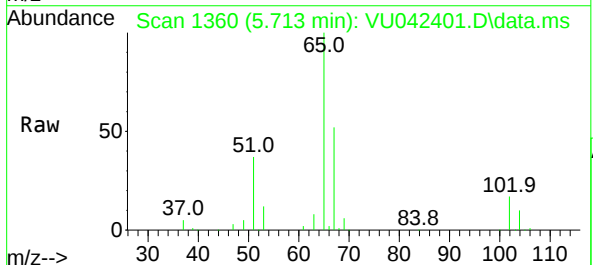


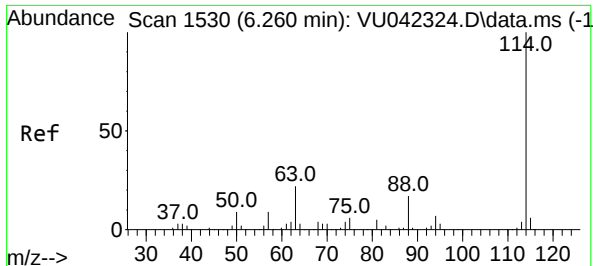
Tgt Ion: 56 Resp: 4222
Ion Ratio Lower Upper
56 100
69 159.8 24.9 37.3#
84 106.6 63.7 95.5#



#33
1,2-Dichloroethane-d4
Concen: 47.59 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Tgt Ion: 65 Resp: 128977
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.8

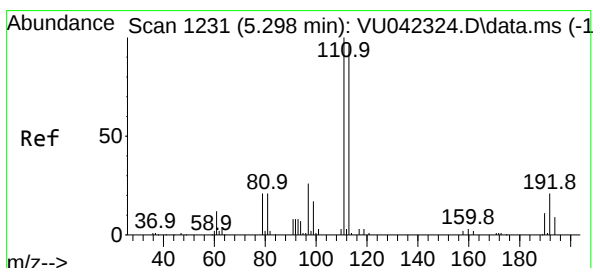
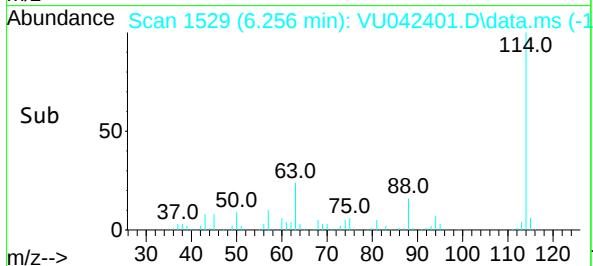
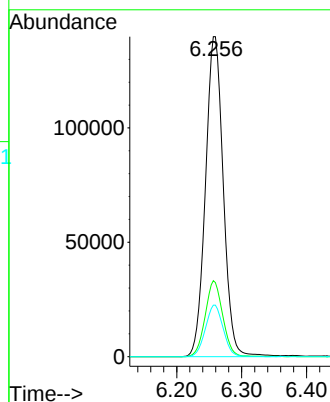
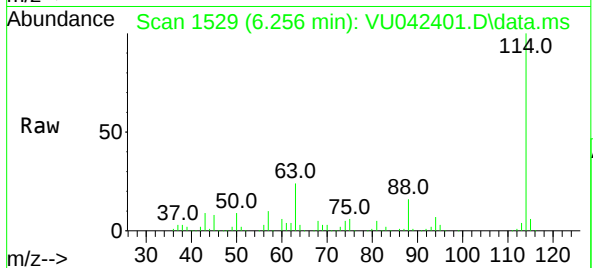




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. -0.003 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

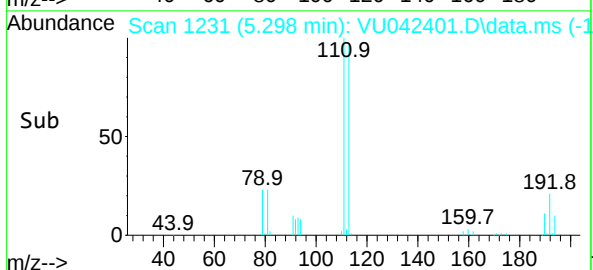
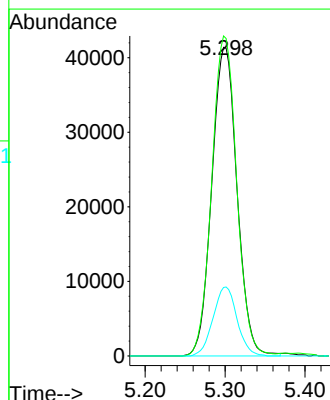
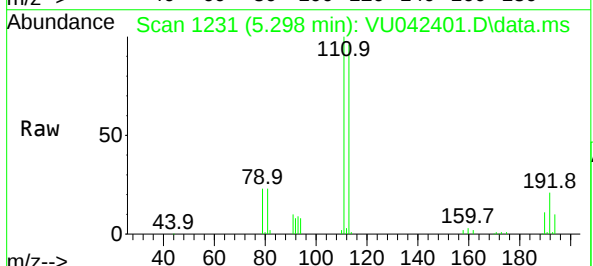
Instrument :
MSVOA_U
ClientSampleId :

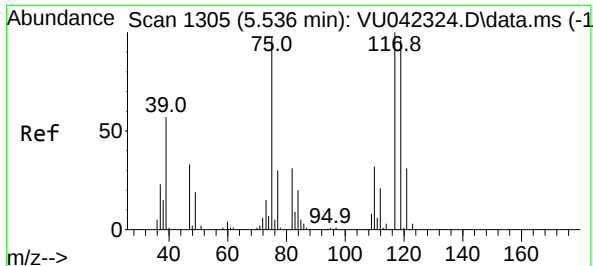
Tgt Ion:114 Resp: 267262
Ion Ratio Lower Upper
114 100
63 23.7 0.0 44.2
88 16.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.08 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Tgt Ion:113 Resp: 90705
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 21.2 17.2 25.8





#36

1,1-Dichloropropene

Concen: 5.25 ug/l

RT: 5.385 min Scan# 1258

Delta R.T. -0.151 min

Lab File: VU042401.D

Acq: 22 Feb 2021 17:34

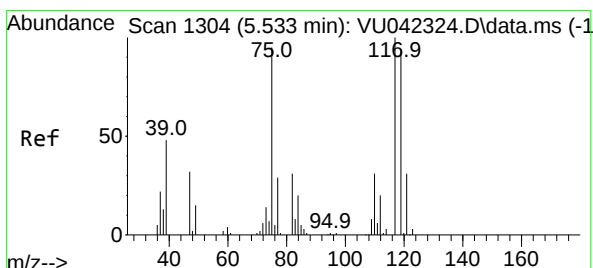
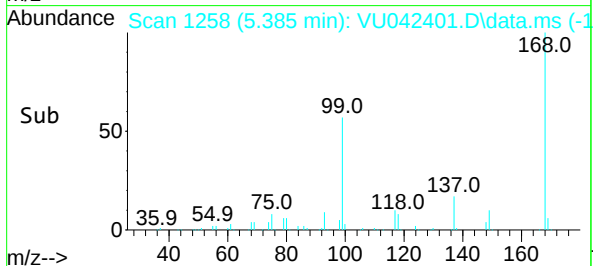
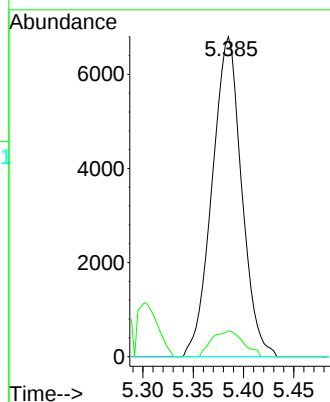
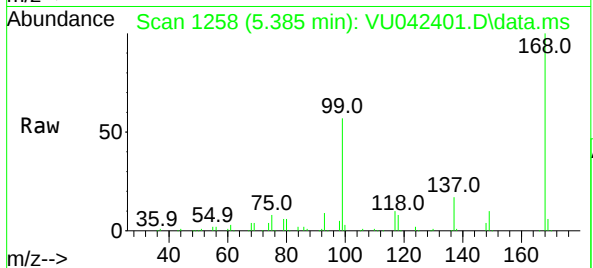
Tgt Ion: 75 Resp: 13870

Ion Ratio Lower Upper

75 100

110 8.6 16.8 50.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.39 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU042401.D

Acq: 22 Feb 2021 17:34

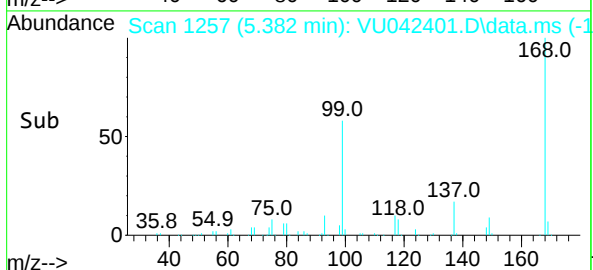
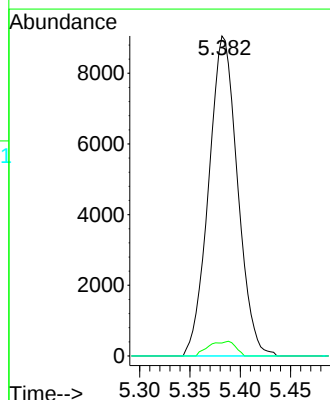
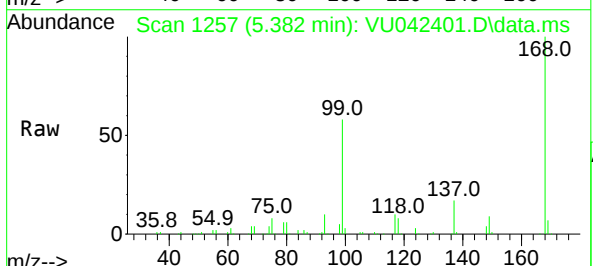
Tgt Ion: 117 Resp: 18049

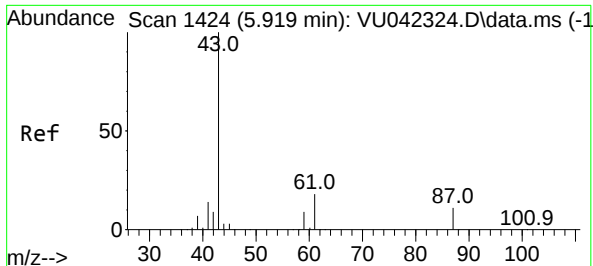
Ion Ratio Lower Upper

117 100

119 4.0 75.5 113.3#

121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 3.38 ug/l

RT: 5.919 min Scan# 1424

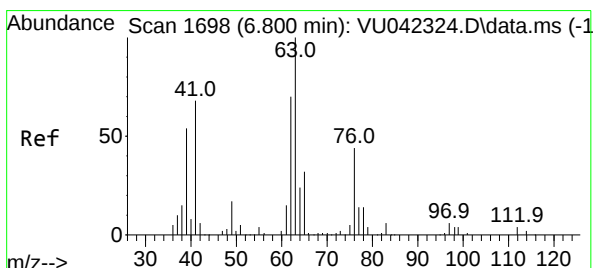
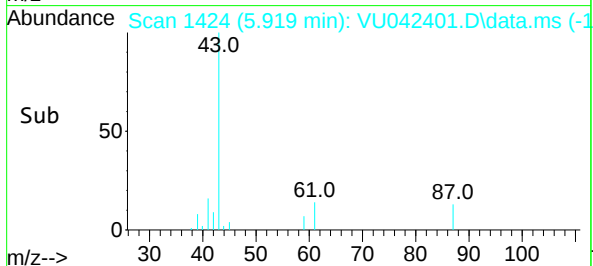
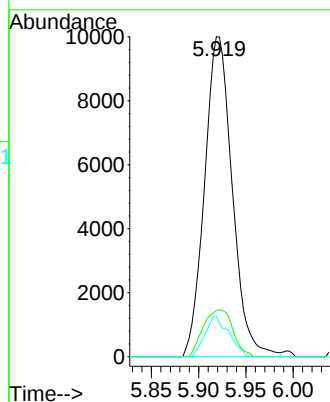
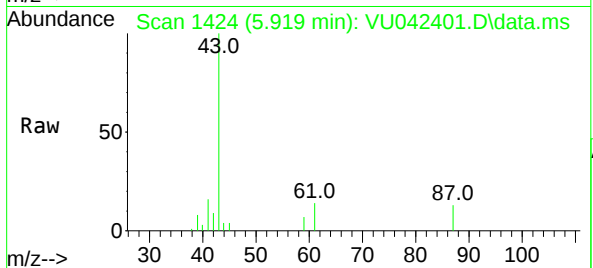
Delta R.T. -0.000 min

Lab File: VU042401.D

Acq: 22 Feb 2021 17:34

Tgt Ion:	43	Resp:	20385
Ion	Ratio	Lower	Upper
43	100		
61	15.6	14.4	21.6
87	10.8	8.8	13.2

Instrument :
MSVOA_U
ClientSampleId :



#45

1,2-Dichloropropane

Concen: 0.61 ug/l

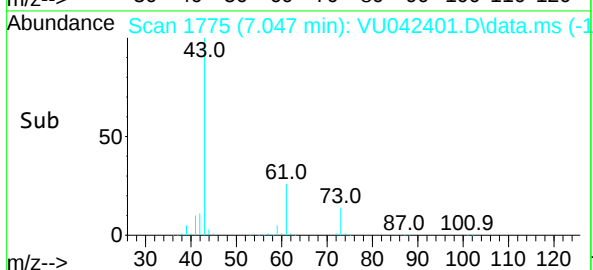
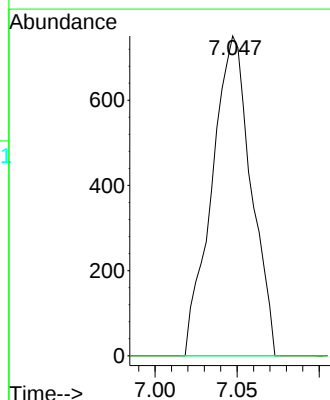
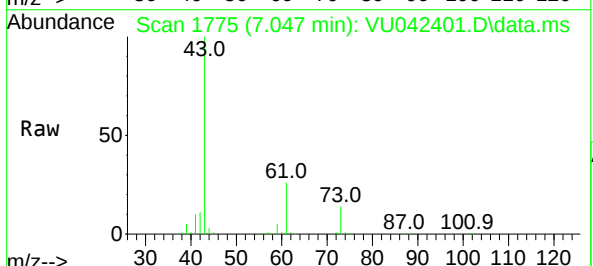
RT: 7.047 min Scan# 1775

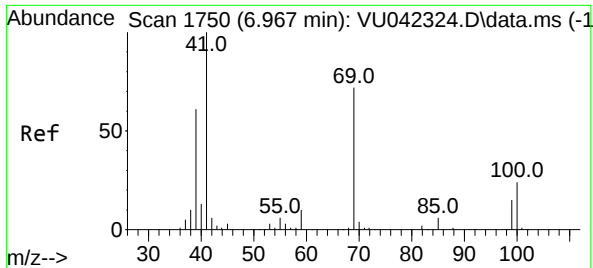
Delta R.T. 0.247 min

Lab File: VU042401.D

Acq: 22 Feb 2021 17:34

Tgt Ion:	63	Resp:	1248
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.4	38.2#

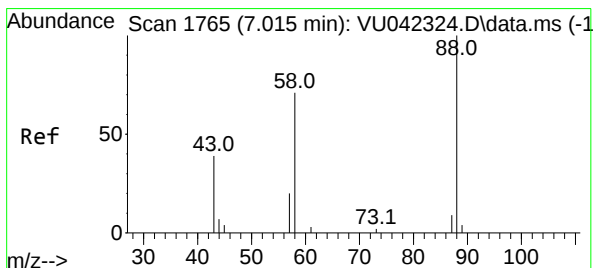
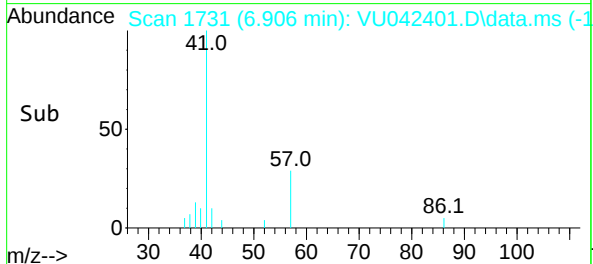
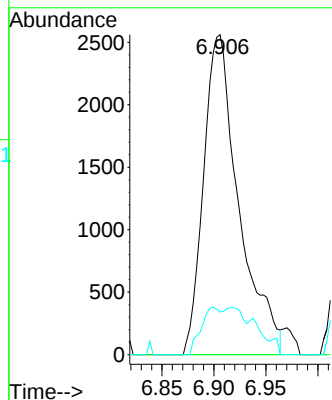
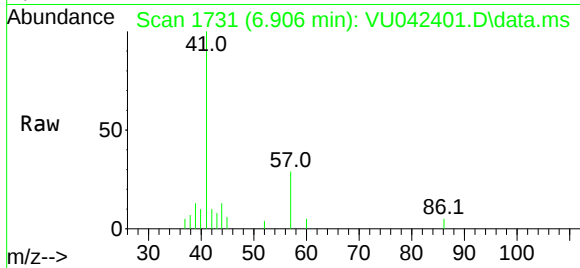




#48
Methyl methacrylate
Concen: 2.03 ug/l
RT: 6.906 min Scan# 1731
Delta R.T. -0.061 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

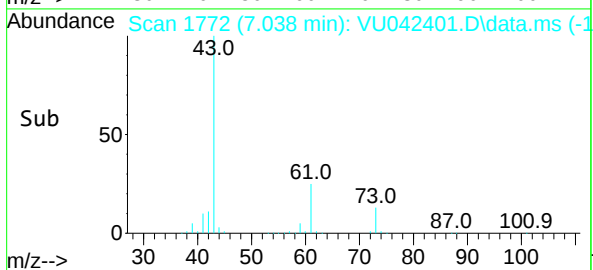
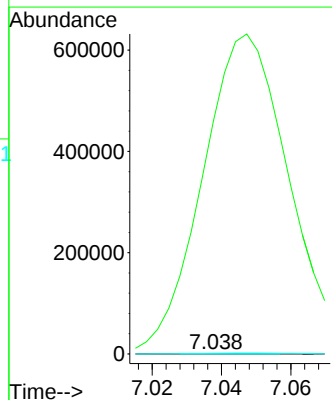
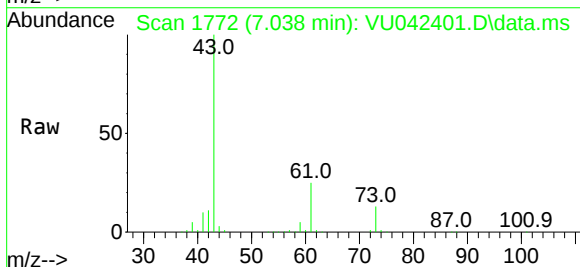
Instrument :
MSVOA_U
ClientSampled :

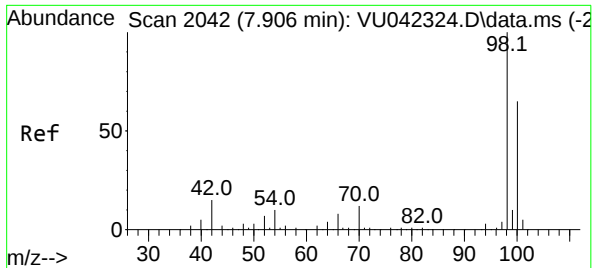
Tgt Ion: 41 Resp: 6047
Ion Ratio Lower Upper
41 100
69 0.0 57.0 85.6#
39 0.0 48.4 72.6#



#49
1,4-Dioxane
Concen: 2.58 ug/l
RT: 7.038 min Scan# 1772
Delta R.T. 0.022 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
43 764547.3 0.0 0.0#
58 2460.1 60.4 90.6#

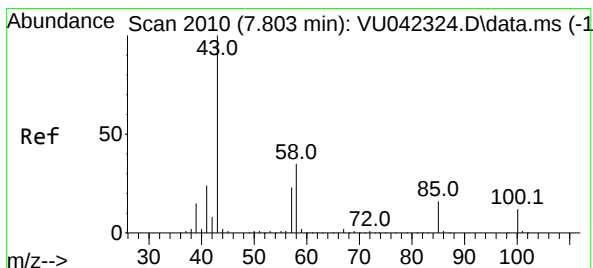
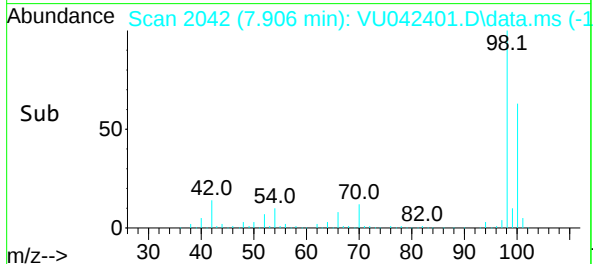
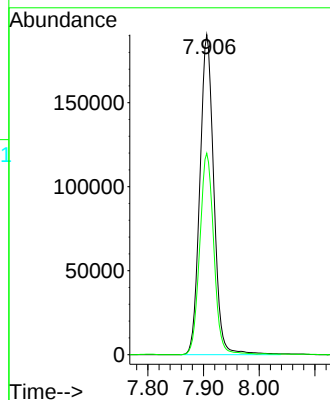
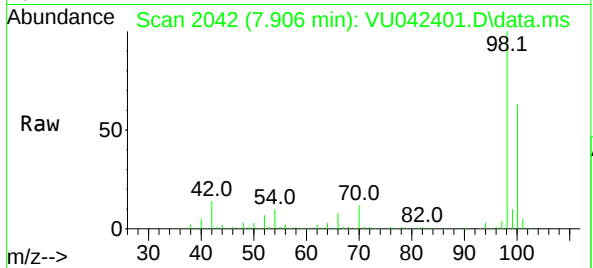




#50
Toluene-d8
Concen: 49.18 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

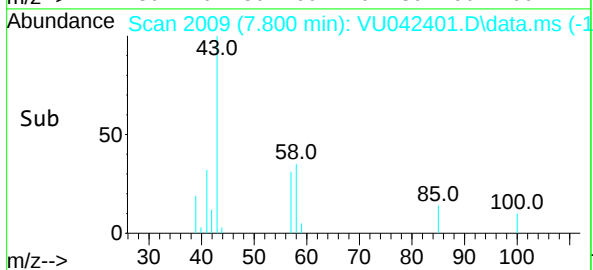
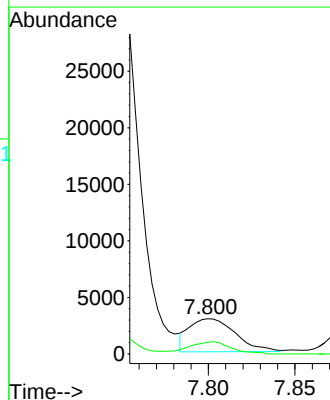
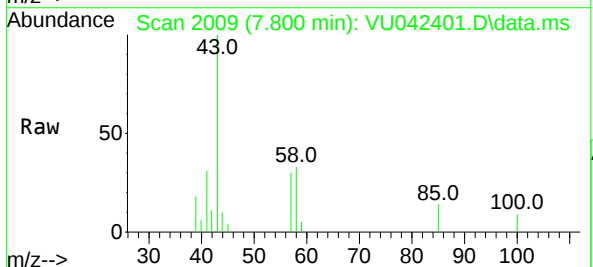
Instrument :
MSVOA_U
ClientSampled :

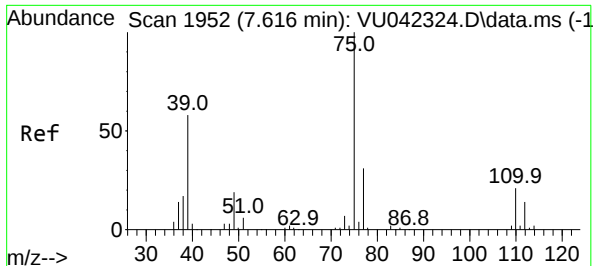
Tgt Ion: 98 Resp: 332242
Ion Ratio Lower Upper
98 100
100 63.4 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.33 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.003 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Tgt Ion: 43 Resp: 5424
Ion Ratio Lower Upper
43 100
58 33.4 28.1 42.1

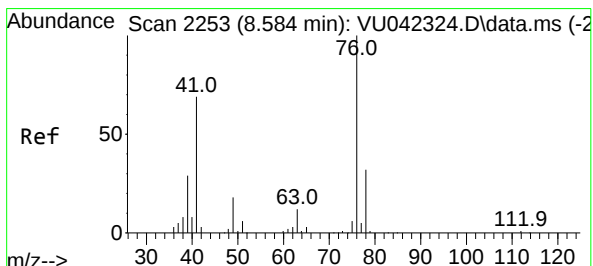
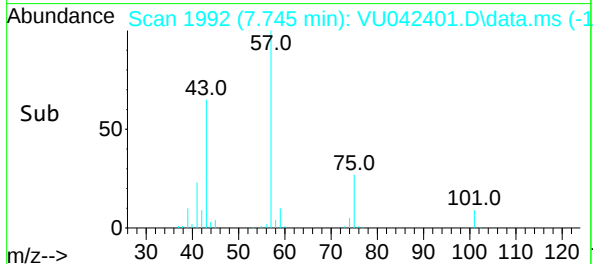
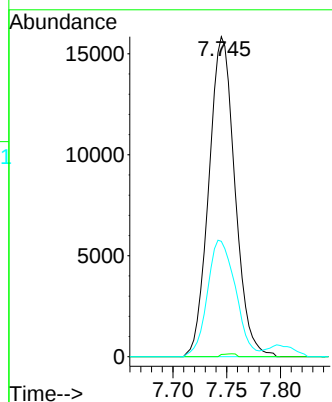
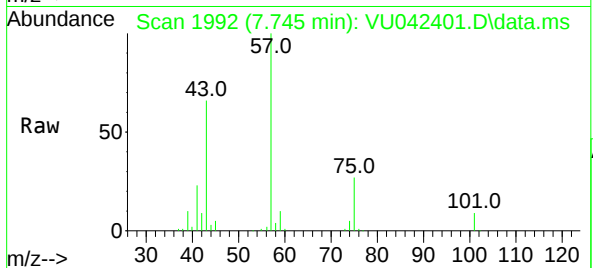




#54
 cis-1,3-Dichloropropene
 Concen: 8.12 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.129 min
 Lab File: VU042401.D
 Acq: 22 Feb 2021 17:34

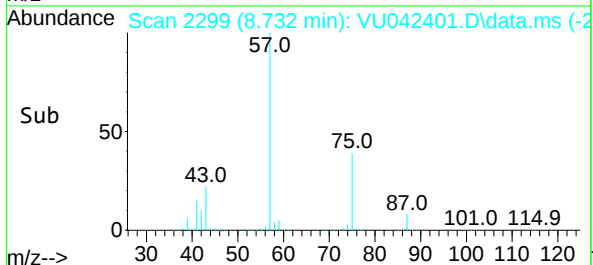
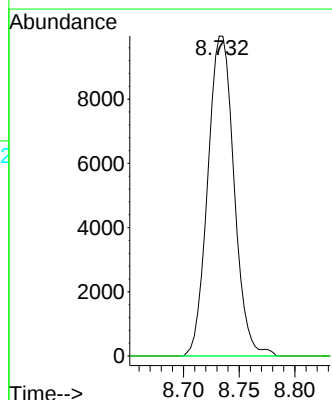
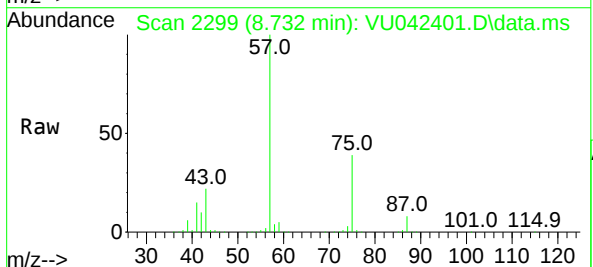
Instrument :
 MSVOA_U
 ClientSampleId :

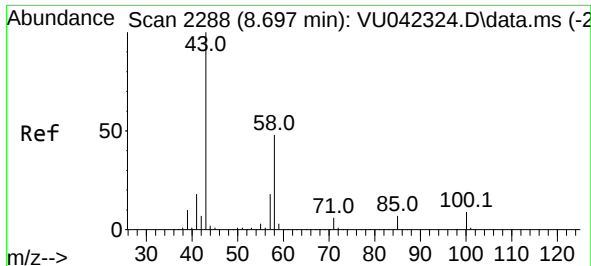
Tgt Ion: 75 Resp: 26741
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.6 37.0#
 39 36.1 46.1 69.1#



#57
 1,3-Dichloropropane
 Concen: 4.92 ug/l
 RT: 8.732 min Scan# 2299
 Delta R.T. 0.148 min
 Lab File: VU042401.D
 Acq: 22 Feb 2021 17:34

Tgt Ion: 76 Resp: 16370
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

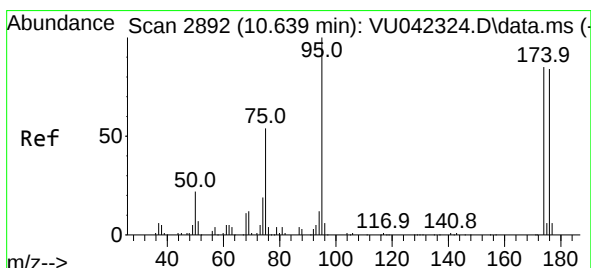
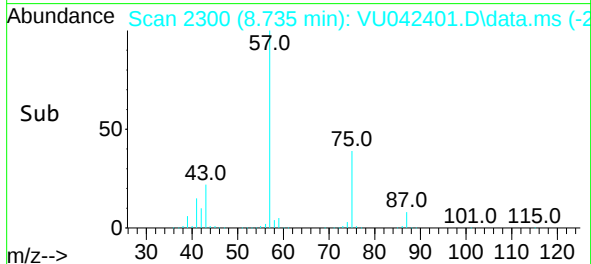
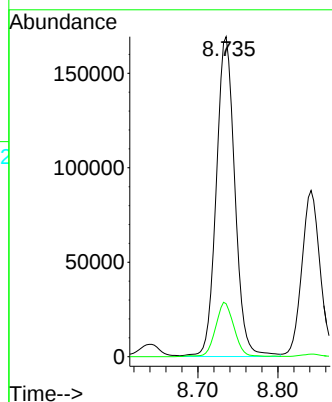
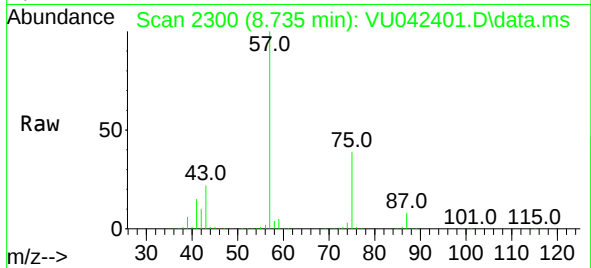




#59
2-Hexanone
Concen: 83.55 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.039 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

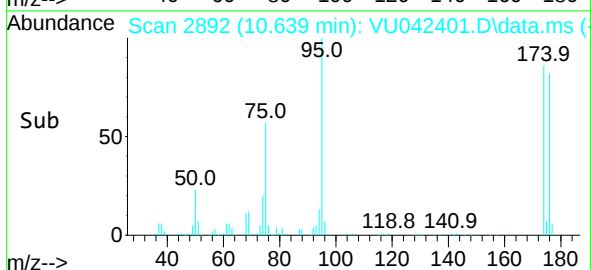
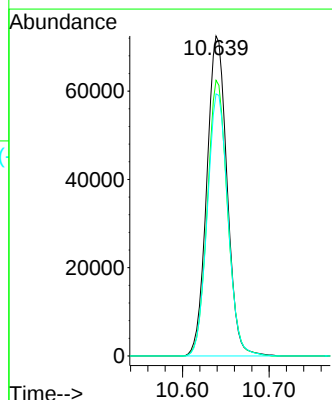
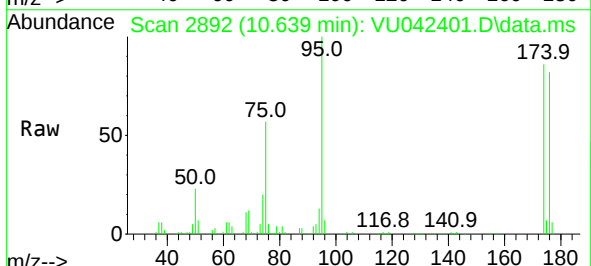
Instrument :
MSVOA_U
ClientSampled :

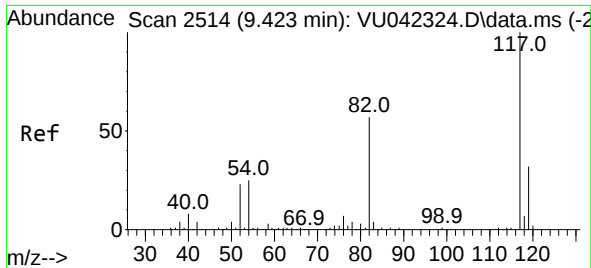
Tgt Ion: 43 Resp: 272774
Ion Ratio Lower Upper
43 100
58 16.3 24.0 72.0#



#62
4-Bromofluorobenzene
Concen: 44.23 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Tgt Ion: 95 Resp: 117776
Ion Ratio Lower Upper
95 100
174 85.6 0.0 172.2
176 83.4 0.0 168.8

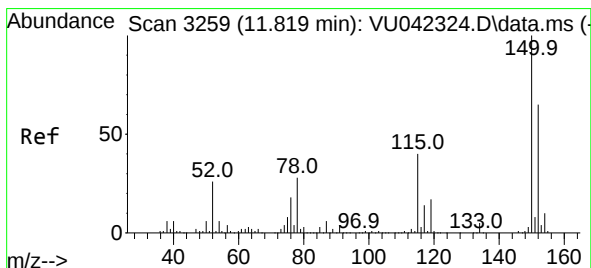
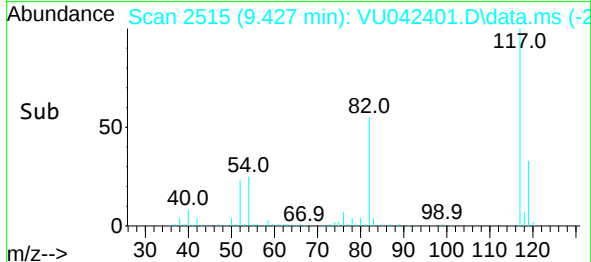
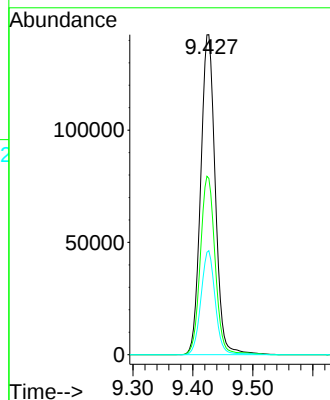
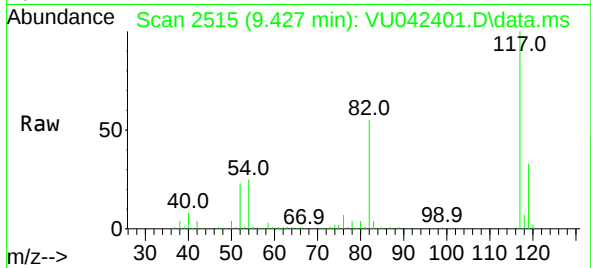




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

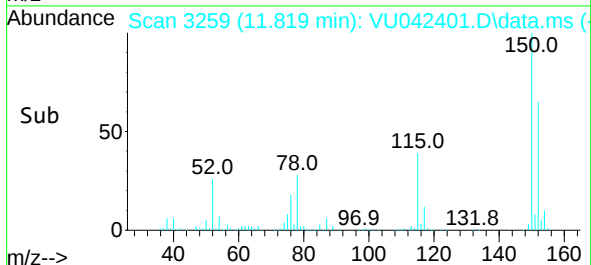
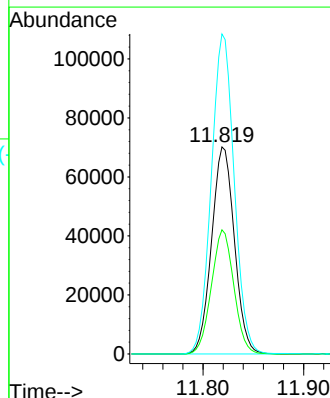
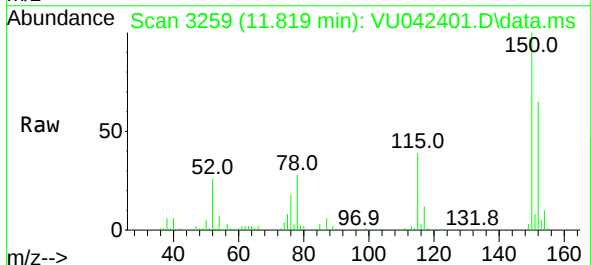
Instrument :
MSVOA_U
ClientSampleId :

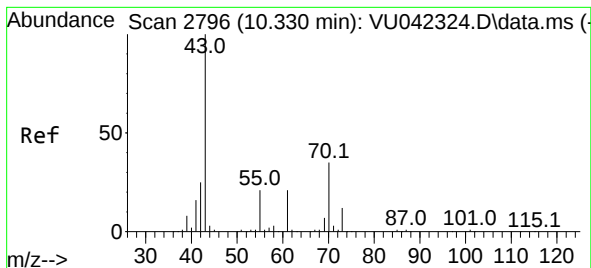
Tgt Ion:117 Resp: 241699
Ion Ratio Lower Upper
117 100
82 55.1 45.8 68.6
119 32.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Tgt Ion:152 Resp: 110633
Ion Ratio Lower Upper
152 100
115 58.8 41.5 124.6
150 155.0 0.0 342.4

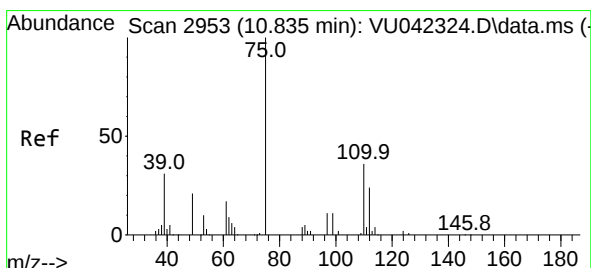
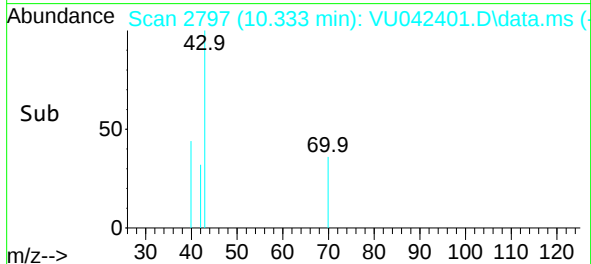
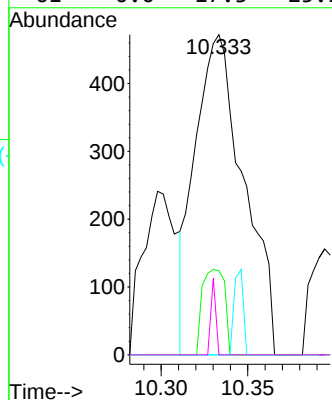
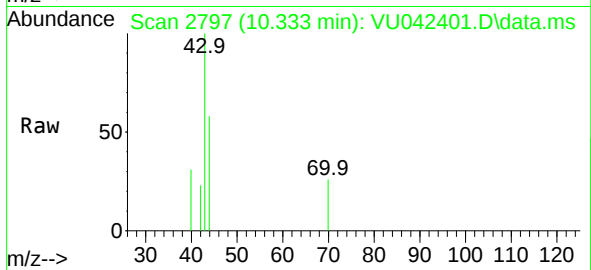




#74
N-amy1 acetate
Concen: 0.22 ug/l
RT: 10.333 min Scan# 2797
Delta R.T. 0.003 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

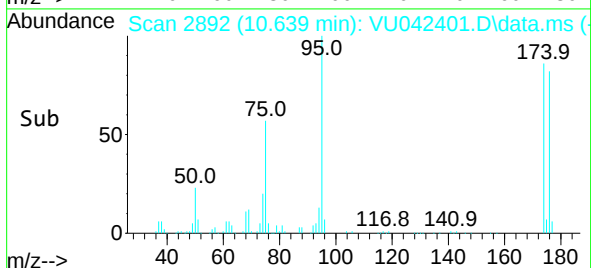
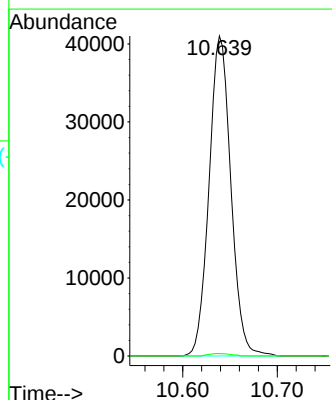
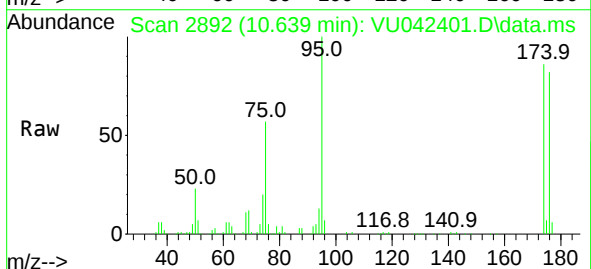
Instrument :
MSVOA_U
ClientSampled :

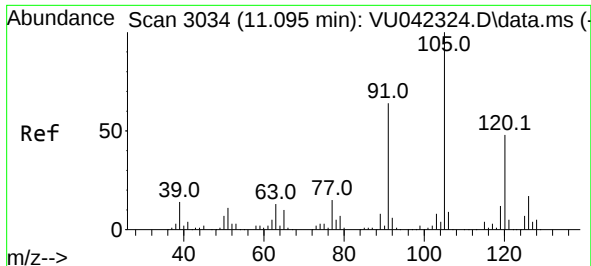
Tgt Ion: 43	Resp: 926
Ion Ratio	Lower Upper
43 100	
70 12.1	28.3 42.5#
55 5.0	17.2 25.8#
61 0.0	17.3 25.9#



#76
1,2,3-Trichloropropane
Concen: 24.04 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Tgt Ion: 75	Resp: 65758
Ion Ratio	Lower Upper
75 100	
77 0.8	20.2 60.5#

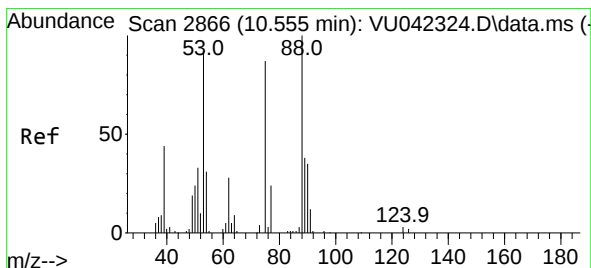
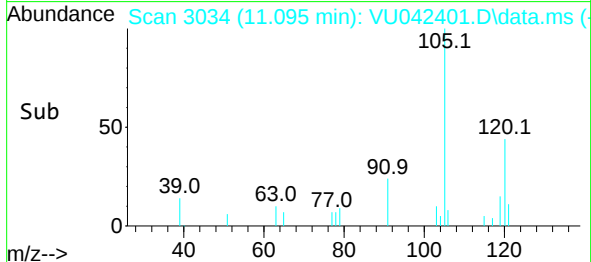
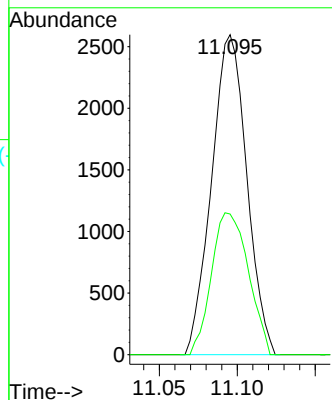
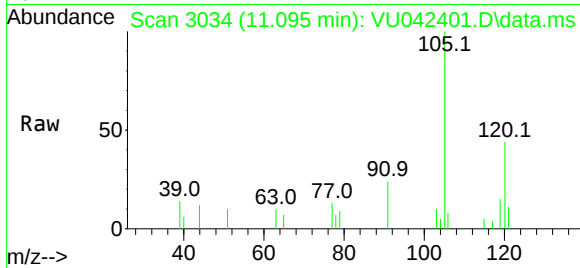




#80
1,3,5-Trimethylbenzene
Concen: 0.64 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. -0.000 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

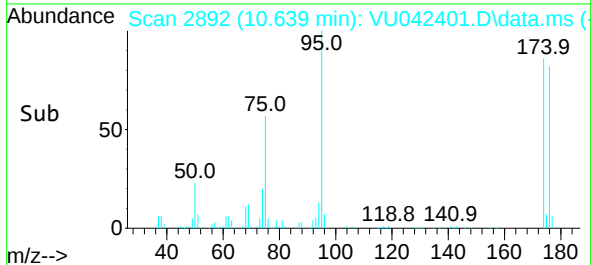
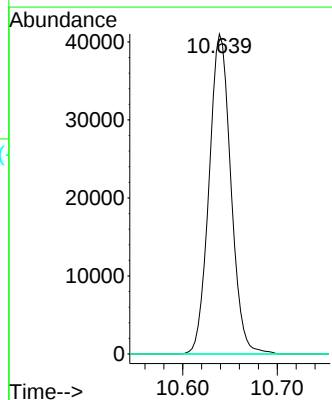
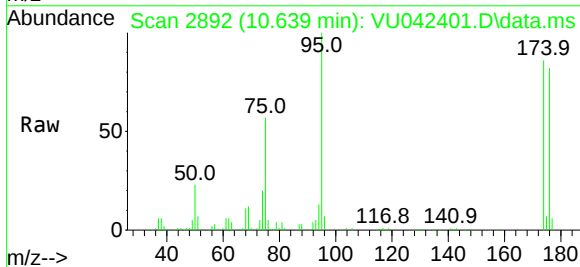
Instrument :
MSVOA_U
ClientSampled :

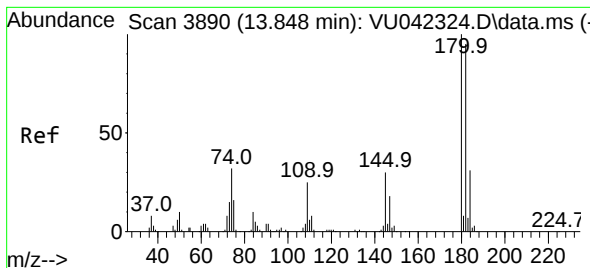
Tgt Ion:105 Resp: 4079
Ion Ratio Lower Upper
105 100
120 46.4 23.8 71.4



#81
trans-1,4-Dichloro-2-butene
Concen: 65.36 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Tgt Ion: 75 Resp: 65758
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#

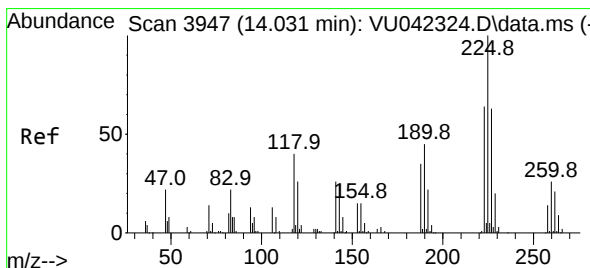
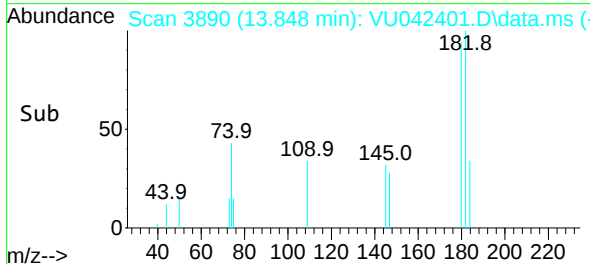
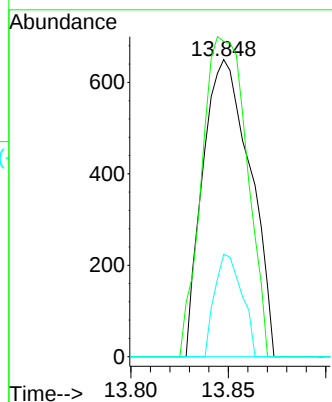
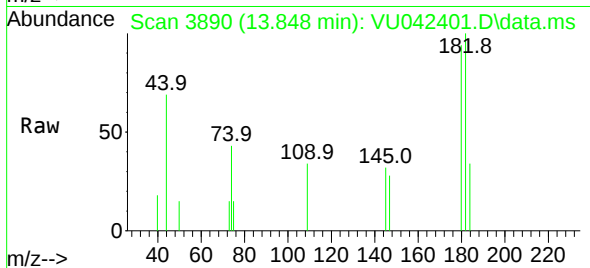




#93
1,2,4-Trichlorobenzene
Concen: 2.12 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

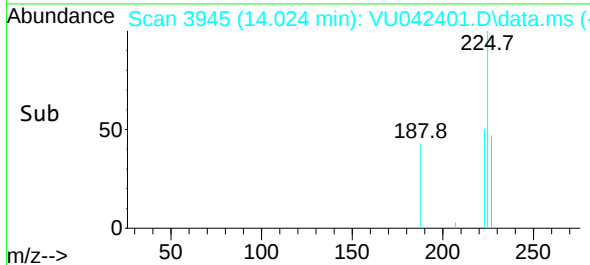
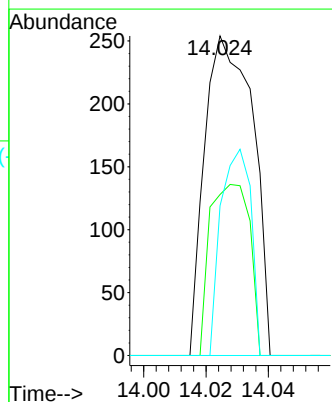
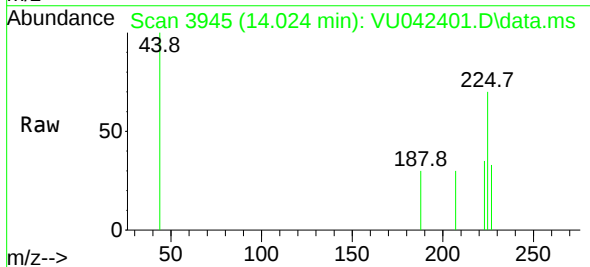
Instrument :
MSVOA_U
ClientSampleId :

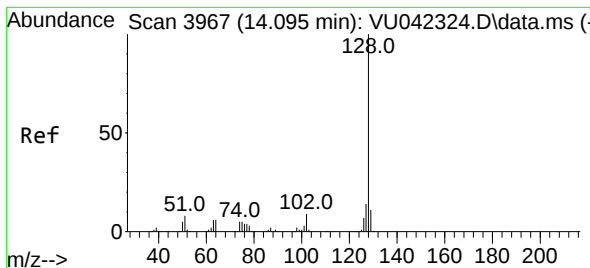
Tgt Ion:	180	Resp:	1097
Ion Ratio	Lower	Upper	
180	100		
182	102.6	46.9	140.8
145	19.8	14.4	43.4



#94
Hexachlorobutadiene
Concen: 0.22 ug/l
RT: 14.024 min Scan# 3945
Delta R.T. -0.007 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Tgt Ion:	225	Resp:	272
Ion Ratio	Lower	Upper	
225	100		
223	44.1	32.3	96.9
227	40.4	31.8	95.4

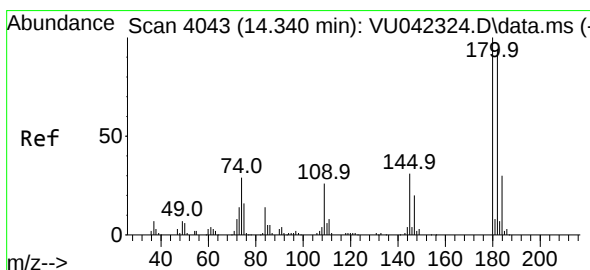
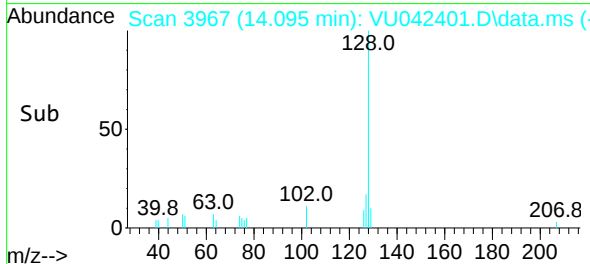
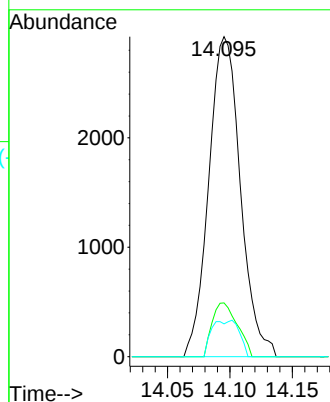
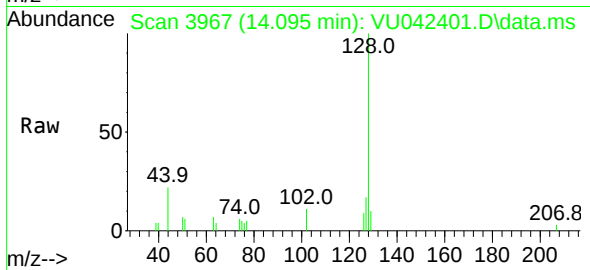




#95
Naphthalene
Concen: 2.88 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 5172
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 5.1 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.15 ug/l
RT: 14.340 min Scan# 4043
Delta R.T. -0.000 min
Lab File: VU042401.D
Acq: 22 Feb 2021 17:34

Tgt Ion:180 Resp: 1158
Ion Ratio Lower Upper
180 100
182 116.8 48.0 144.0
145 18.8 15.5 46.5

