

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051221\
 Data File : VU043674.D
 Acq On : 12 May 2021 14:03
 Operator : SY/MD
 Sample : M2322-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 13 01:31:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 09:51:45 2021
 Response via : Initial Calibration

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

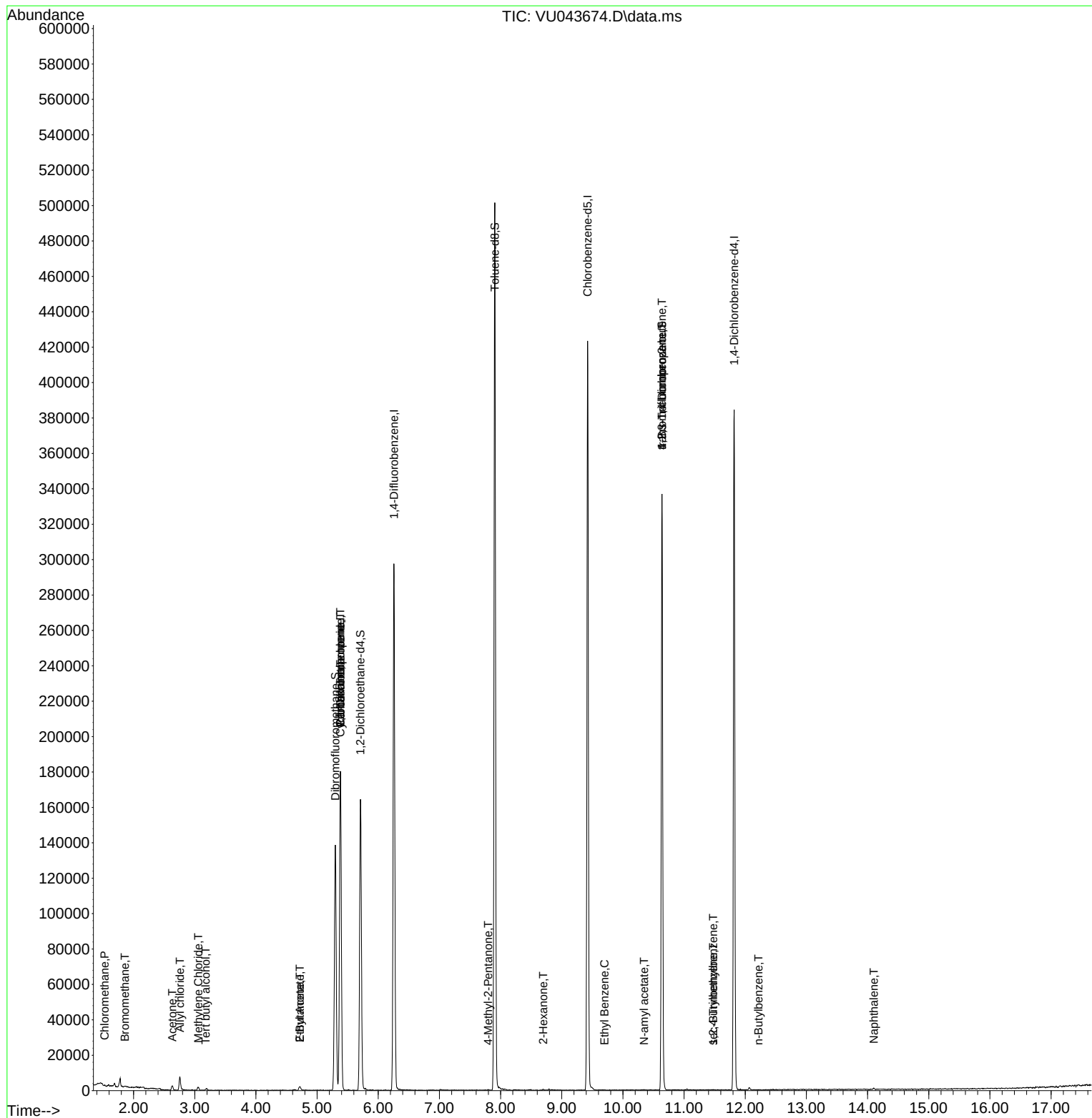
Internal Standards						
1) Pentafluorobenzene	5.382	168	114734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	212307	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	207757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	90101	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	124764	52.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.14%	
35) Dibromofluoromethane	5.298	113	86010	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
50) Toluene-d8	7.906	98	300289	50.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	10.639	95	103122	44.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.78%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.526	50	749	0.67	ug/l #	86
5) Bromomethane	1.858	94	215	0.21	ug/l #	62
11) Tert butyl alcohol	3.179	59	376	0.60	ug/l #	73
14) Allyl chloride	2.758	41	694	0.21	ug/l #	45
16) Acetone	2.633	43	3077	2.39	ug/l #	88
20) Methylene Chloride	3.060	84	820	0.45	ug/l #	82
25) 2-Butanone	4.716	43	3758	1.89	ug/l	99
31) Cyclohexane	5.378	56	3414	1.23	ug/l #	11
36) 1,1-Dichloropropene	5.382	75	11128	4.62	ug/l #	50
37) Ethyl Acetate	4.716	43	3758	0.92	ug/l #	72
38) Carbon Tetrachloride	5.382	117	12199	4.99	ug/l #	18
51) 4-Methyl-2-Pentanone	7.796	43	248	19.23	ug/l #	41
59) 2-Hexanone	8.697	43	419	20.81	ug/l	68
67) Ethyl Benzene	9.700	91	143	1.47	ug/l #	45
74) N-amyl acetate	10.346	43	105	2.54	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	59314	20.70	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.639	75	59314	67.42	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.478	105	96	1.13	ug/l #	33
85) sec-Butylbenzene	11.478	105	96	1.35	ug/l #	59
89) n-Butylbenzene	12.217	91	22	2.53	ug/l #	35
95) Naphthalene	14.102	128	950	1.64	ug/l #	77

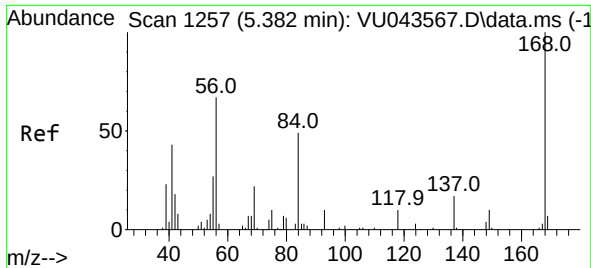
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 13 01:31:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260
QLast Update : Tue May 11 09:51:45 2021
Response via : Initial Calibration

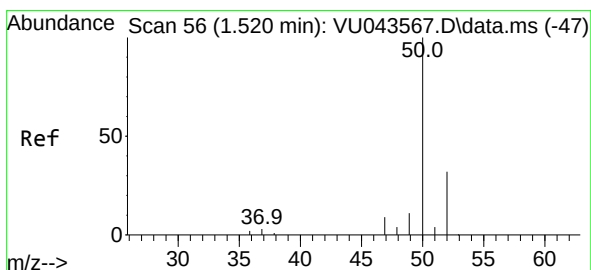
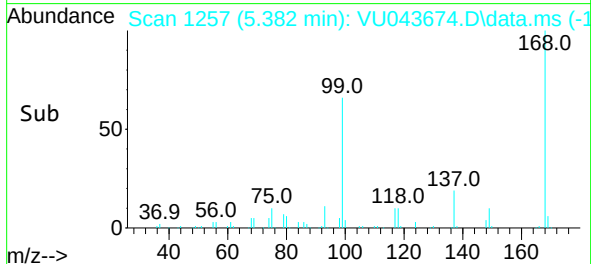
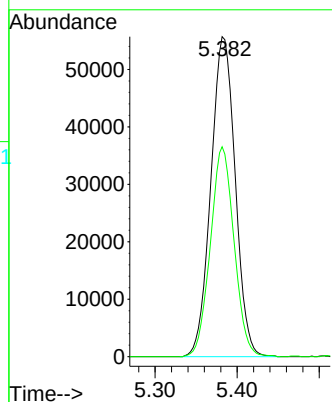
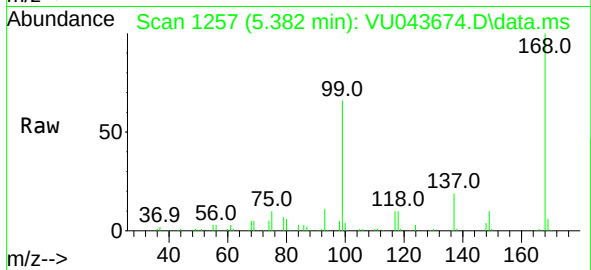




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

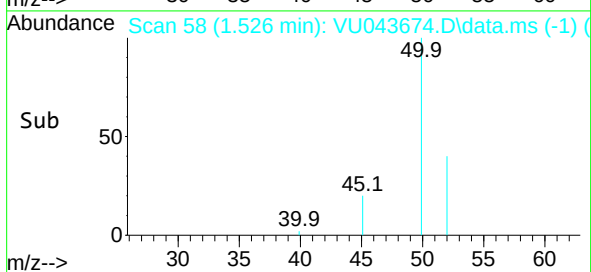
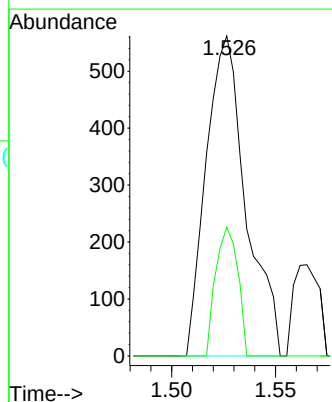
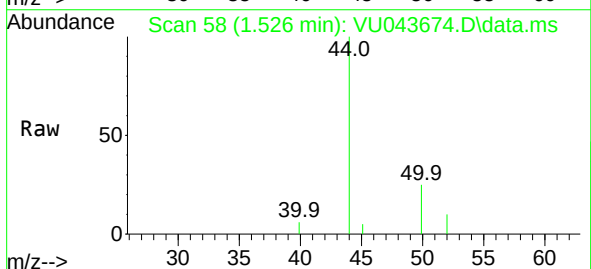
Instrument :
MSVOA_U
ClientSampleId :

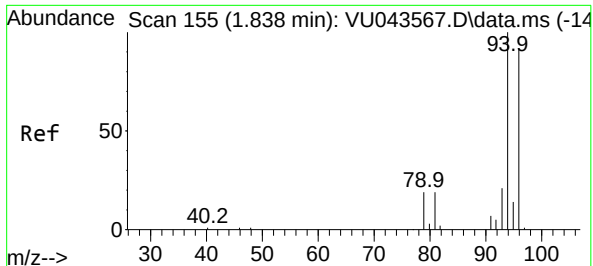
Tgt Ion:168 Resp: 114734
Ion Ratio Lower Upper
168 100
99 65.6 49.0 73.6



#3
Chloromethane
Concen: 0.67 ug/l
RT: 1.526 min Scan# 58
Delta R.T. 0.006 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

Tgt Ion: 50 Resp: 749
Ion Ratio Lower Upper
50 100
52 40.2 25.9 38.9#

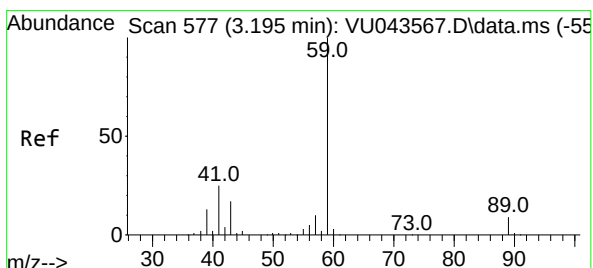
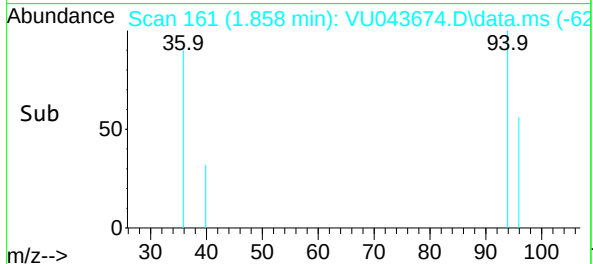
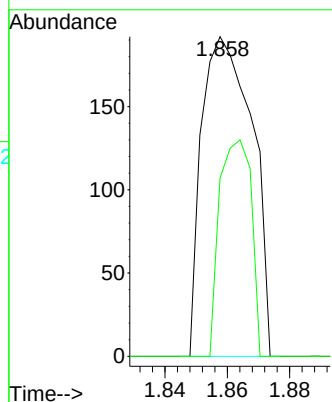
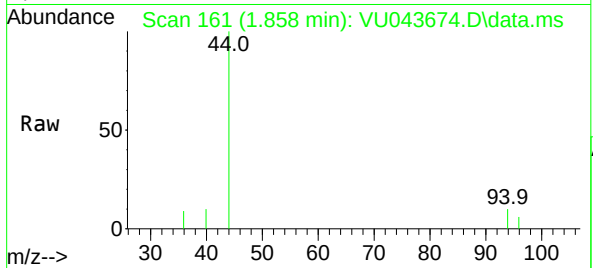




#5
Bromomethane
Concen: 0.21 ug/l
RT: 1.858 min Scan# 161
Delta R.T. 0.019 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

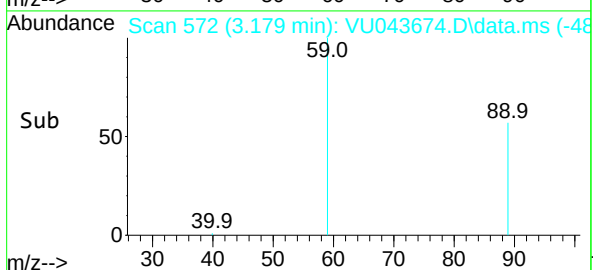
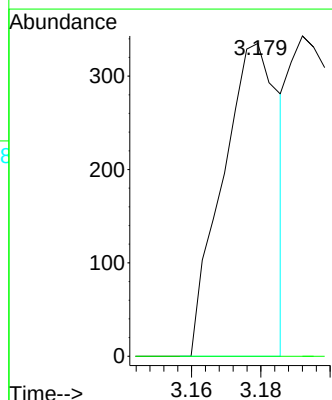
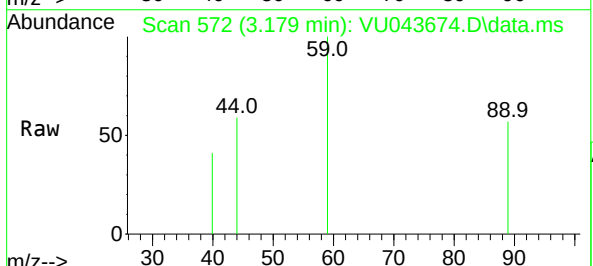
Instrument :
MSVOA_U
ClientSampleId :

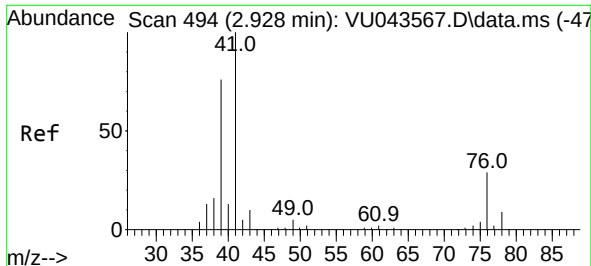
Tgt Ion: 94 Resp: 215
Ion Ratio Lower Upper
94 100
96 55.7 73.3 109.9#



#11
Tert butyl alcohol
Concen: 0.60 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.016 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

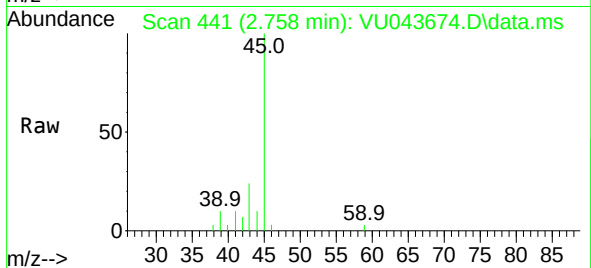
Tgt Ion: 59 Resp: 376
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



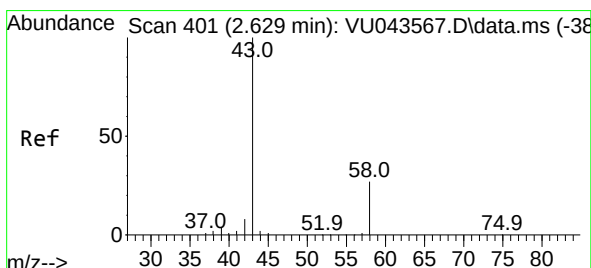
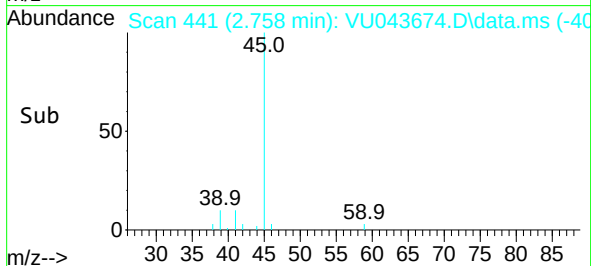
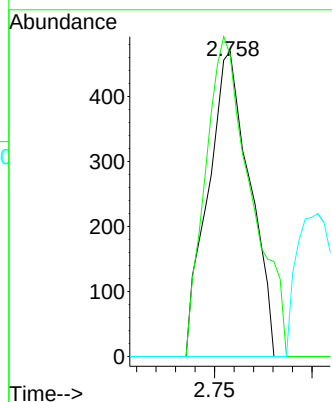


#14
 Allyl chloride
 Concen: 0.21 ug/l
 RT: 2.758 min Scan# 441
 Delta R.T. -0.170 min
 Lab File: VU043674.D
 Acq: 12 May 2021 14:03

Instrument :
 MSVOA_U
 ClientSampleId :

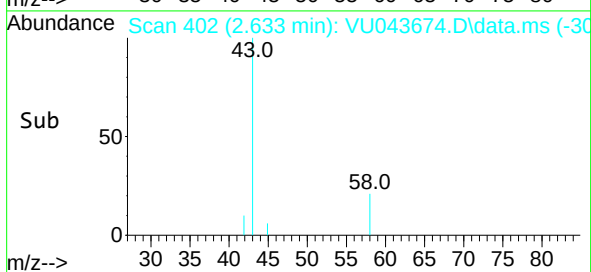
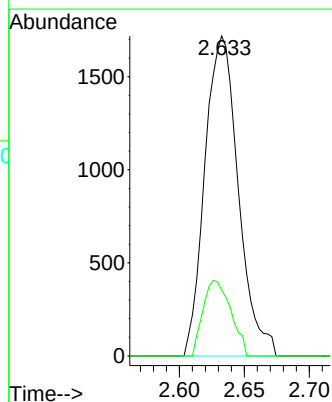
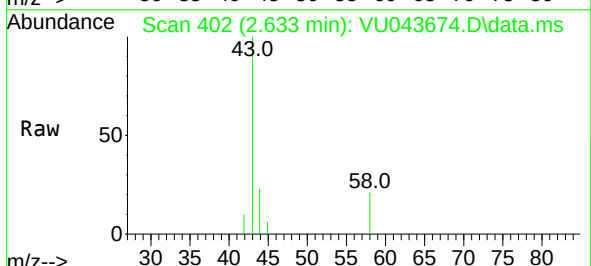


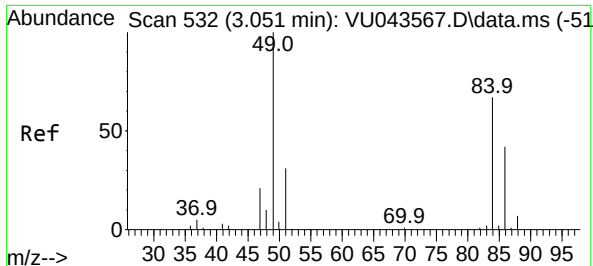
Tgt Ion: 41 Resp: 694
 Ion Ratio Lower Upper
 41 100
 39 114.6 54.5 81.7#
 76 0.0 19.9 29.9#



#16
 Acetone
 Concen: 2.39 ug/l
 RT: 2.633 min Scan# 402
 Delta R.T. 0.003 min
 Lab File: VU043674.D
 Acq: 12 May 2021 14:03

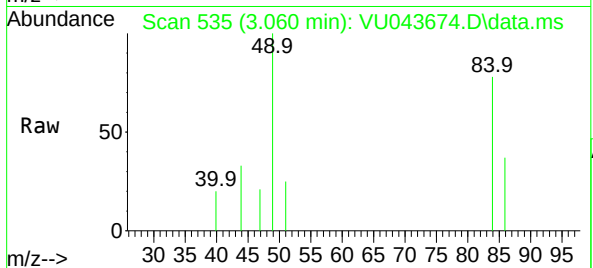
Tgt Ion: 43 Resp: 3077
 Ion Ratio Lower Upper
 43 100
 58 20.7 21.7 32.5#



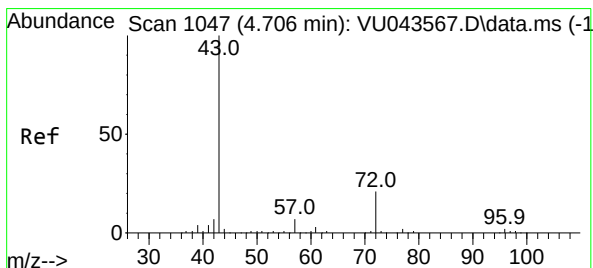
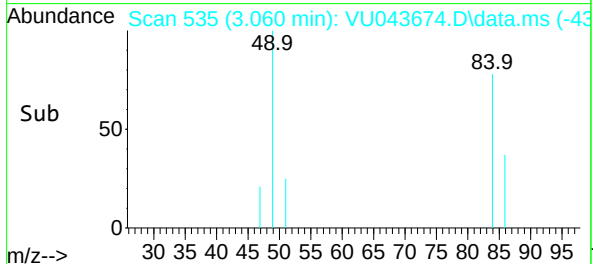
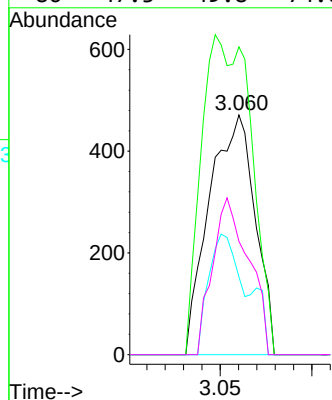


#20
Methylene Chloride
Concen: 0.45 ug/l
RT: 3.060 min Scan# 535
Delta R.T. 0.010 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

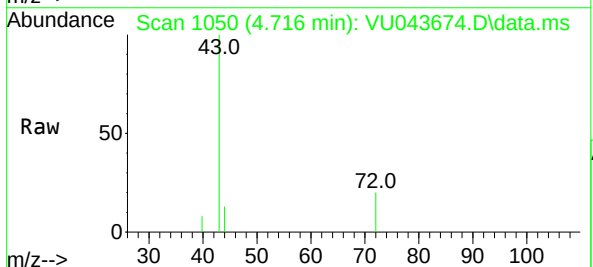
Instrument :
MSVOA_U
ClientSampleId :



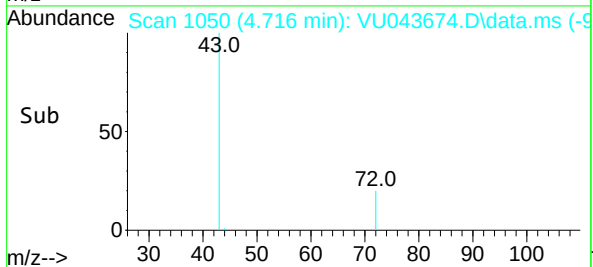
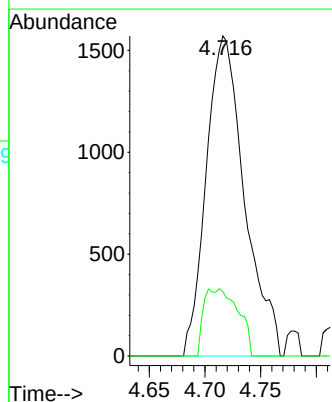
Tgt Ion:	84	Resp:	820
Ion	Ratio	Lower	Upper
84	100		
49	128.5	119.0	178.4
51	32.5	36.8	55.2#
86	47.3	49.8	74.6#

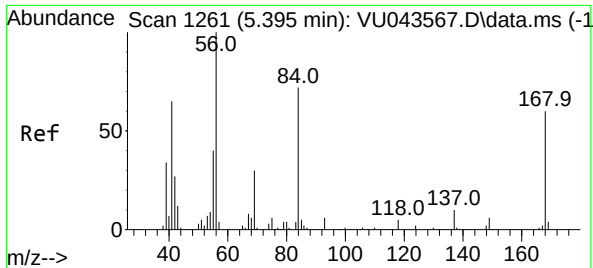


#25
2-Butanone
Concen: 1.89 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.010 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03



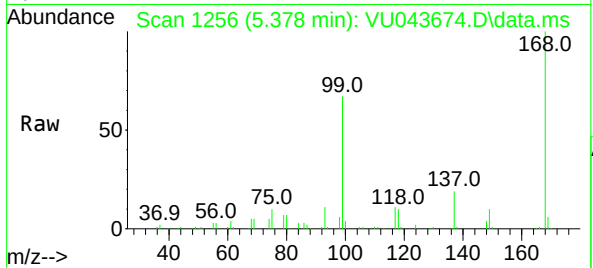
Tgt Ion:	43	Resp:	3758
Ion	Ratio	Lower	Upper
43	100		
72	20.1	16.5	24.7



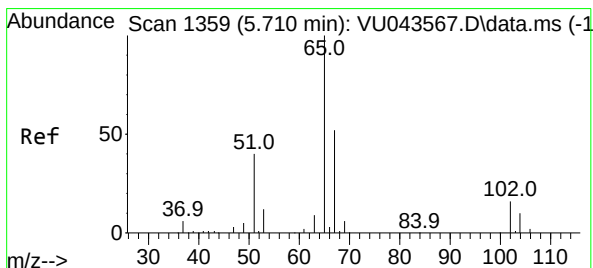
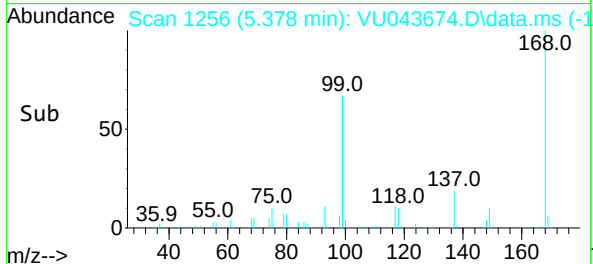
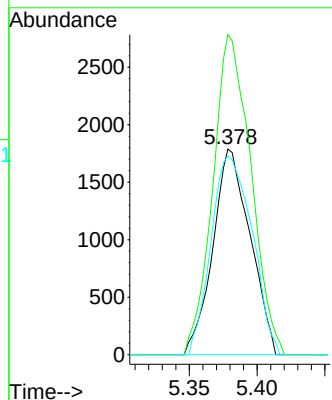


#31
Cyclohexane
Concen: 1.23 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

Instrument :
MSVOA_U
ClientSampleId :

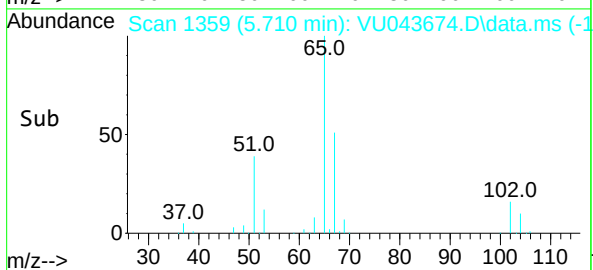
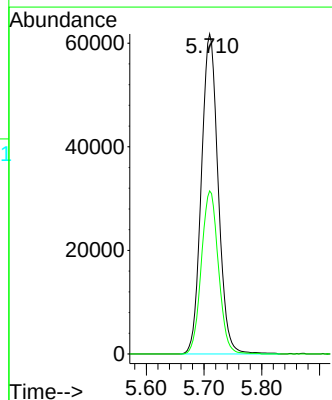
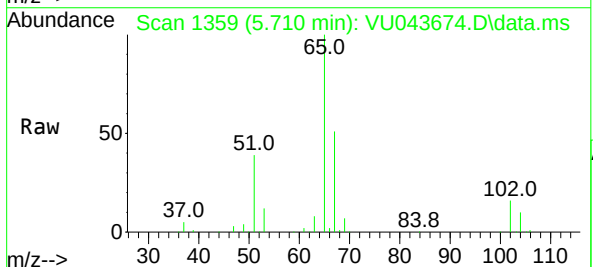


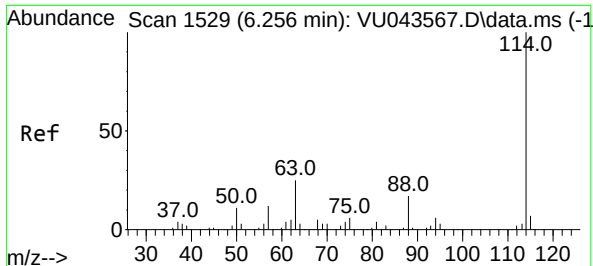
Tgt Ion: 56 Resp: 3414
Ion Ratio Lower Upper
56 100
69 155.6 23.9 35.9#
84 96.8 57.7 86.5#



#33
1,2-Dichloroethane-d4
Concen: 52.57 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

Tgt Ion: 65 Resp: 124764
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6

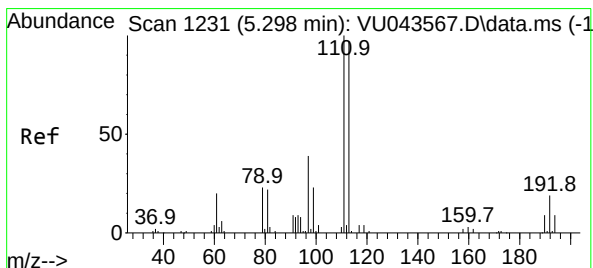
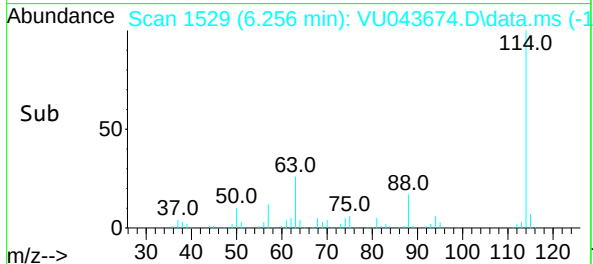
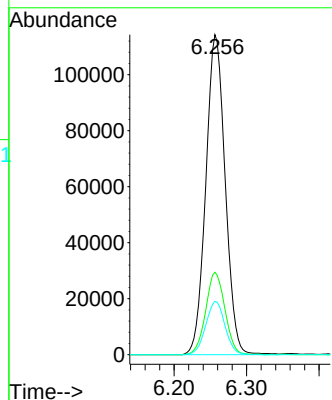
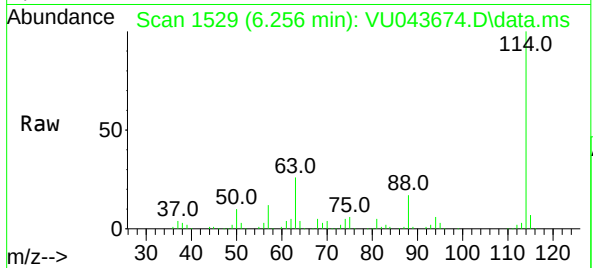




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

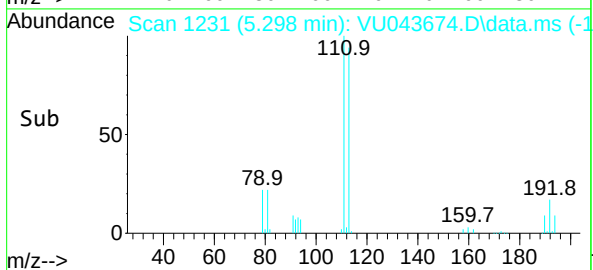
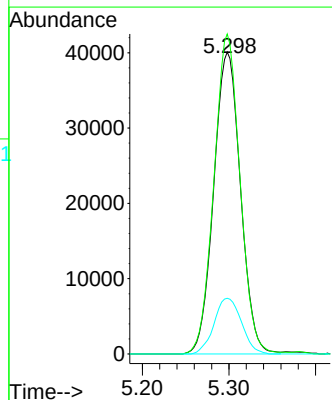
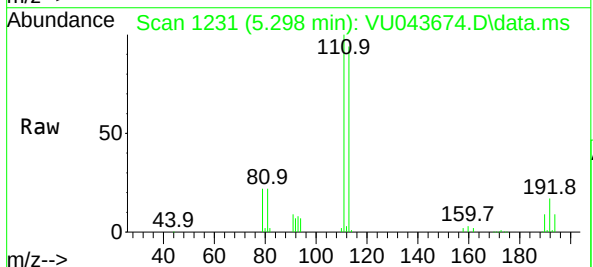
Instrument :
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ClientSampleId :

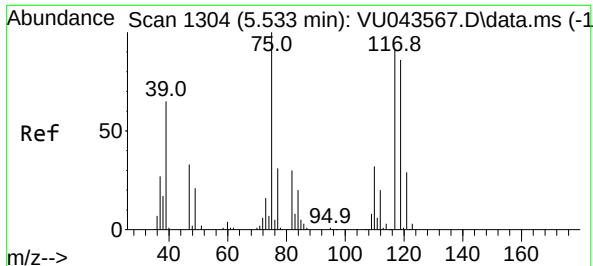
Tgt Ion:114 Resp: 212307
Ion Ratio Lower Upper
114 100
63 25.7 0.0 50.2
88 16.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 49.09 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

Tgt Ion:113 Resp: 86010
Ion Ratio Lower Upper
113 100
111 103.5 82.3 123.5
192 18.9 15.8 23.6

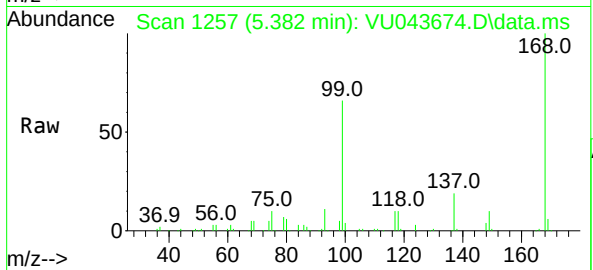




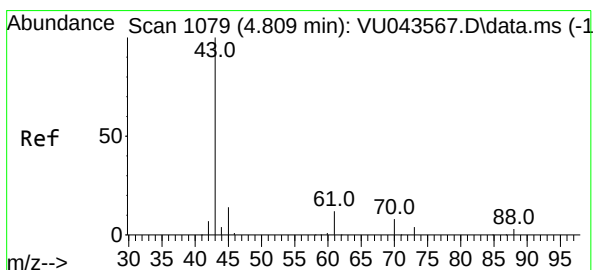
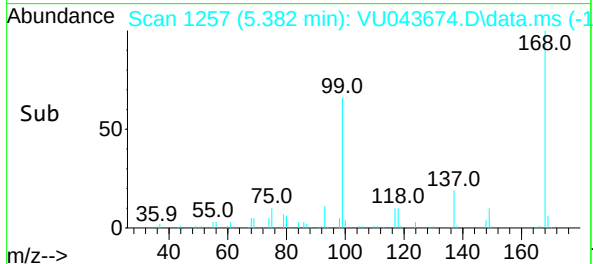
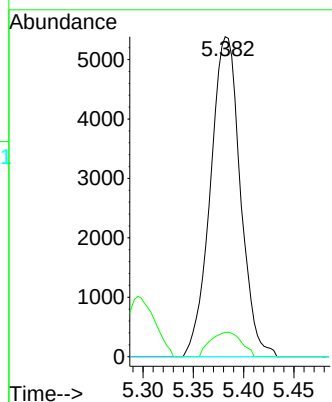
#36

1,1-Dichloropropene
Concen: 4.62 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

Instrument :
MSVOA_U
ClientSampleId :



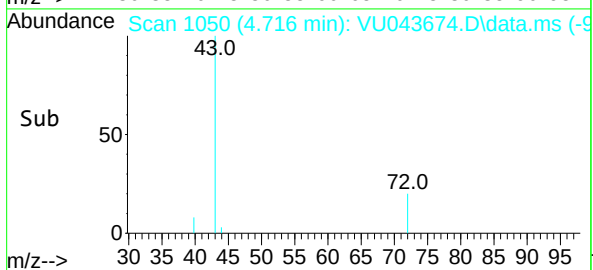
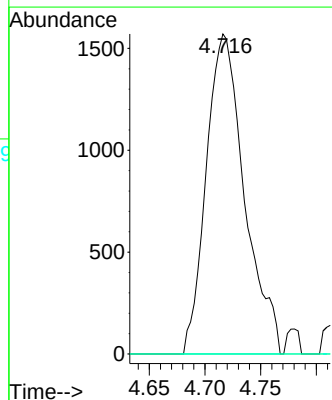
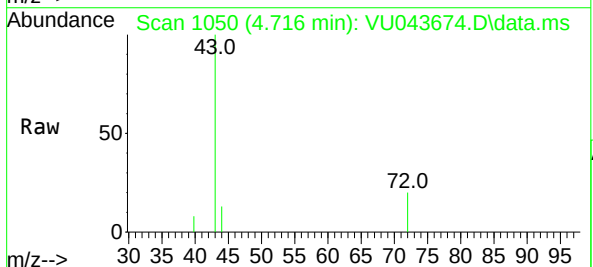
Tgt Ion:	75	Resp:	11128
Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.2	48.5#
77	0.0	24.4	36.6#

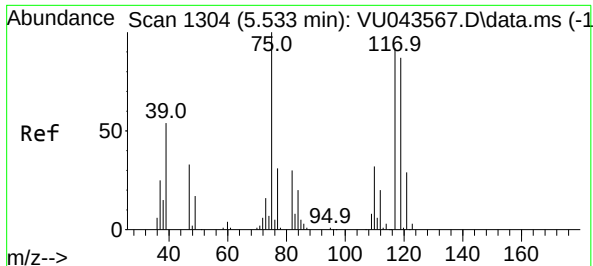


#37

Ethyl Acetate
Concen: 0.92 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. -0.093 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

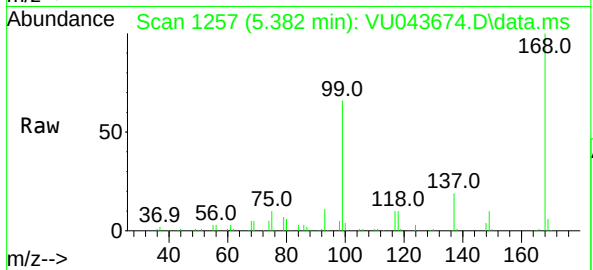
Tgt Ion:	43	Resp:	3758
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	6.5	9.7#



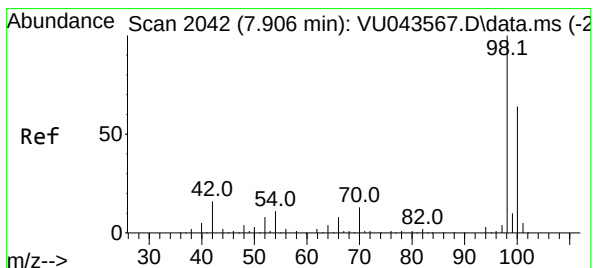
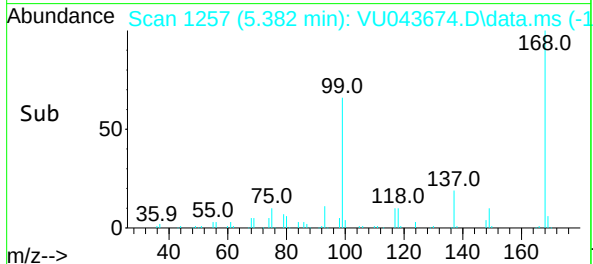
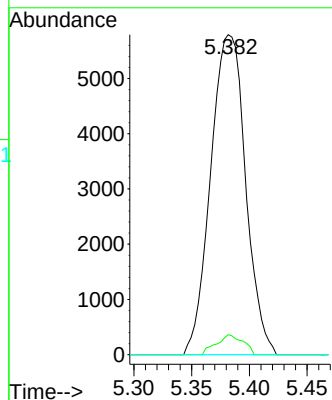


#38
Carbon Tetrachloride
Concen: 4.99 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

Instrument :
MSVOA_U
ClientSampleId :

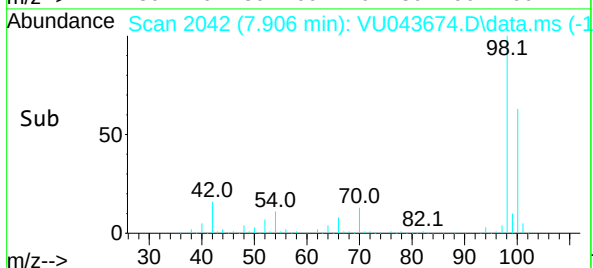
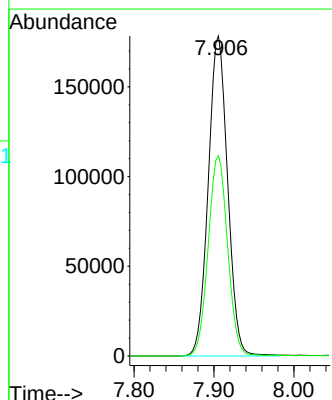
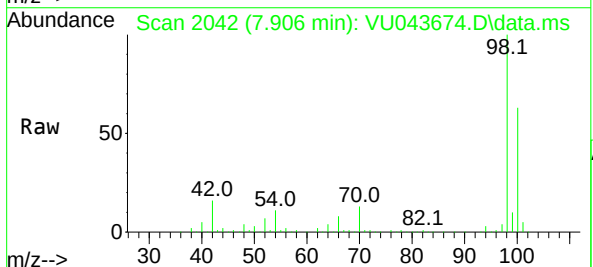


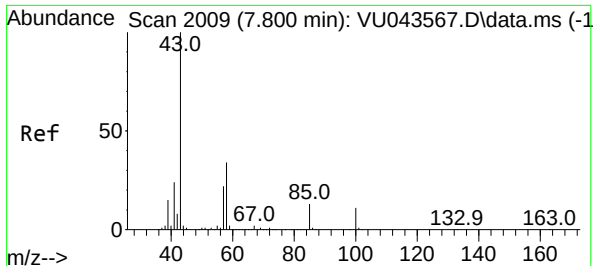
Tgt Ion:117 Resp: 12199
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.0#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 50.93 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

Tgt Ion: 98 Resp: 300289
Ion Ratio Lower Upper
98 100
100 62.7 50.5 75.7

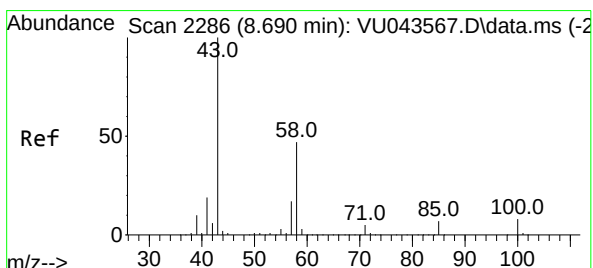
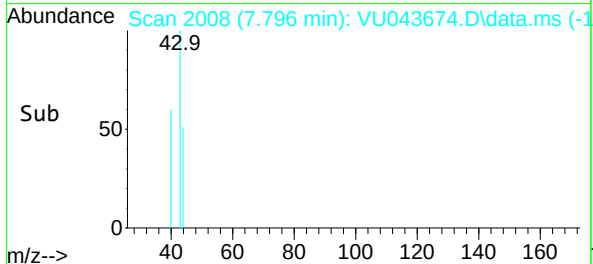
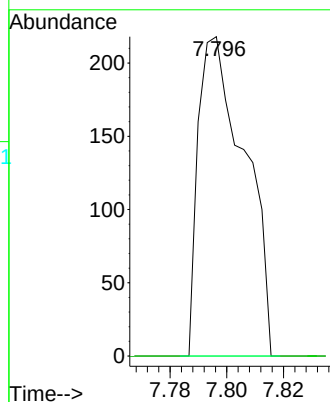
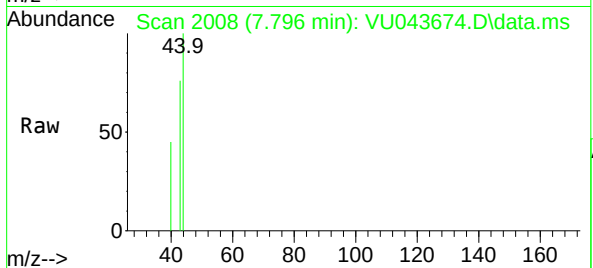




#51
4-Methyl-2-Pentanone
Concen: 19.23 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

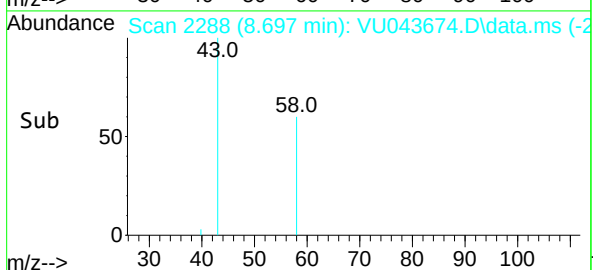
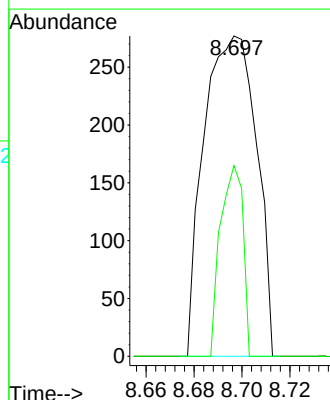
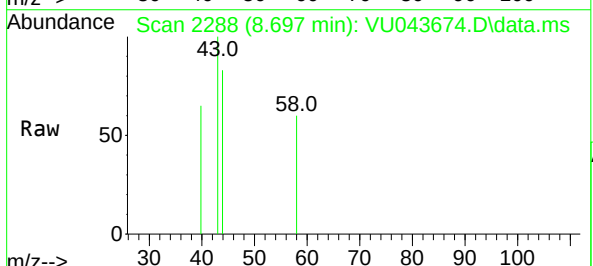
Instrument :
MSVOA_U
ClientSampled :

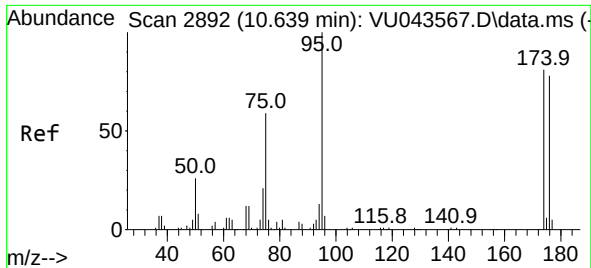
Tgt Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#



#59
2-Hexanone
Concen: 20.81 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.007 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
58 25.5 23.4 70.2

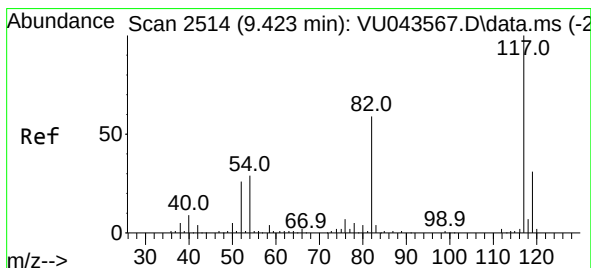
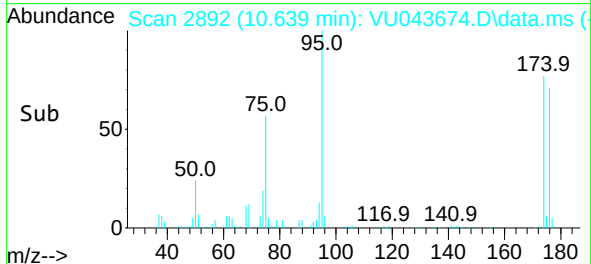
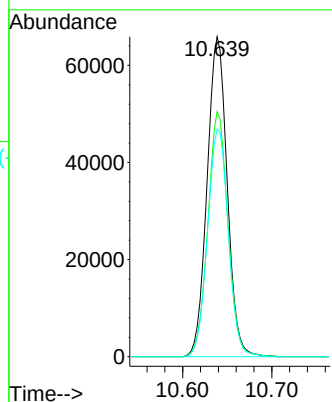
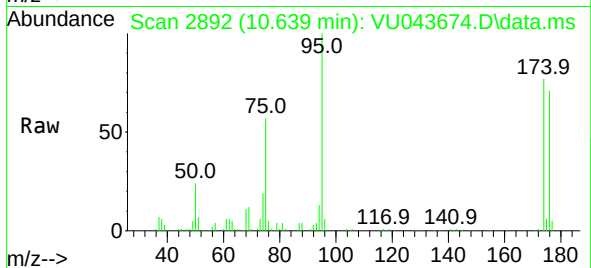




#62
4-Bromofluorobenzene
Concen: 44.89 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

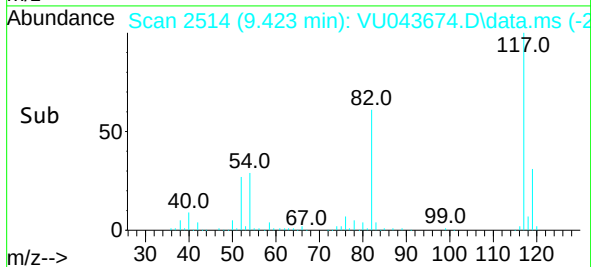
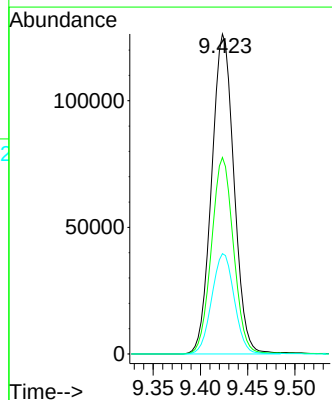
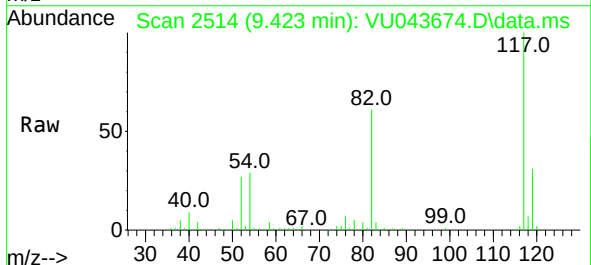
Instrument :
MSVOA_U
ClientSampleId :

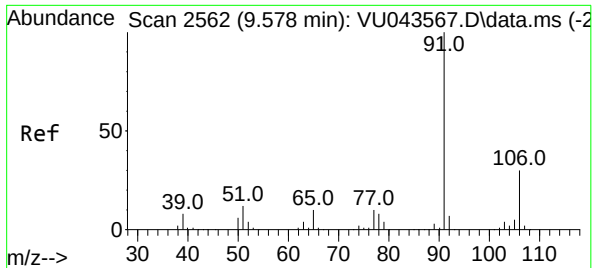
Tgt Ion: 95 Resp: 103122
Ion Ratio Lower Upper
95 100
174 77.0 0.0 158.8
176 73.4 0.0 155.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

Tgt Ion: 117 Resp: 207757
Ion Ratio Lower Upper
117 100
82 61.4 47.5 71.3
119 31.3 24.7 37.1

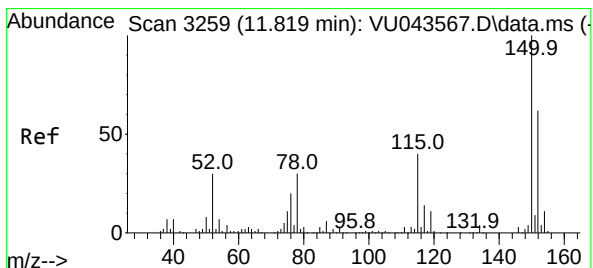
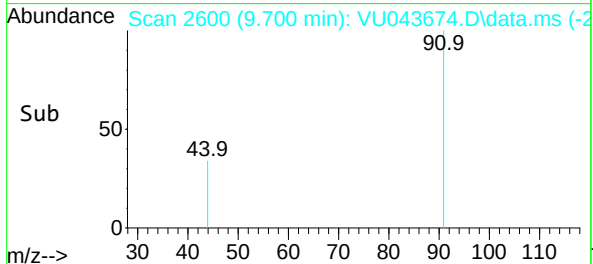
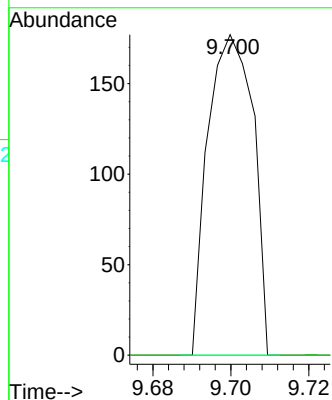
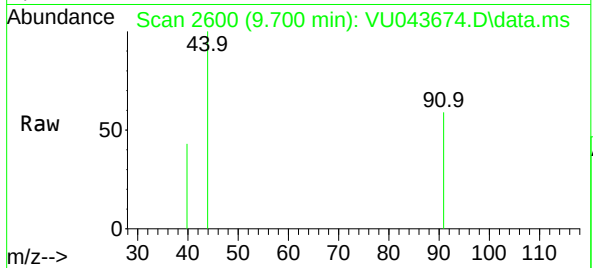




#67
Ethyl Benzene
Concen: 1.47 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. 0.122 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

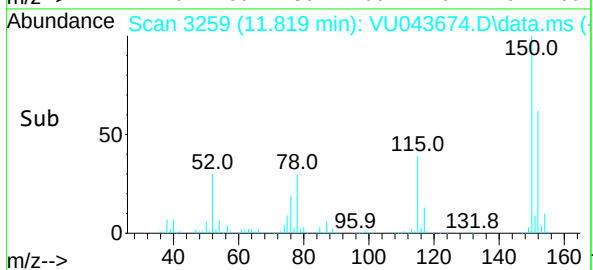
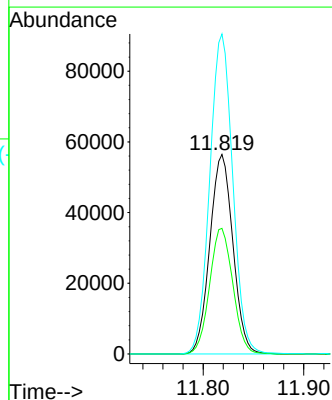
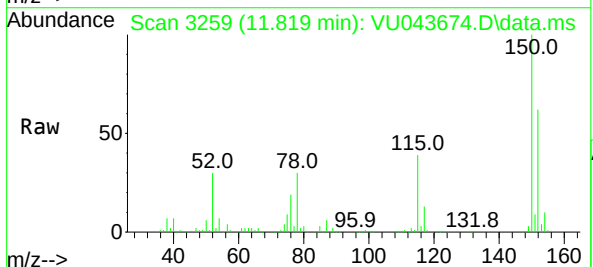
Instrument :
MSVOA_U
ClientSampleId :

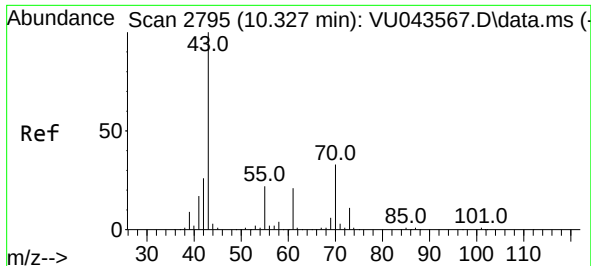
Tgt Ion: 91 Resp: 143
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

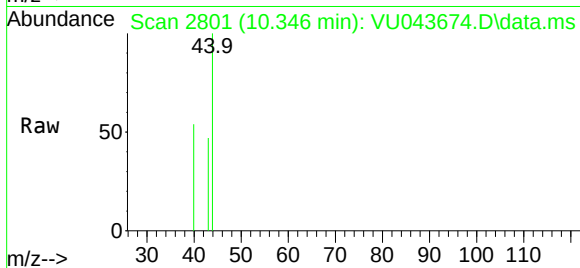
Tgt Ion:152 Resp: 90101
Ion Ratio Lower Upper
152 100
115 63.2 46.1 138.3
150 159.7 0.0 361.0



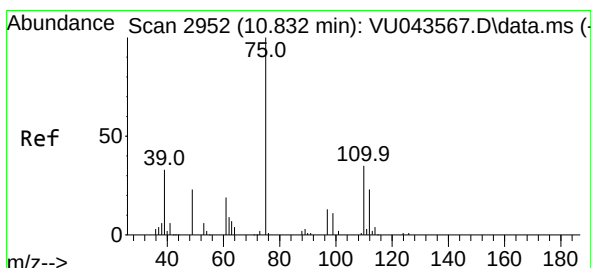
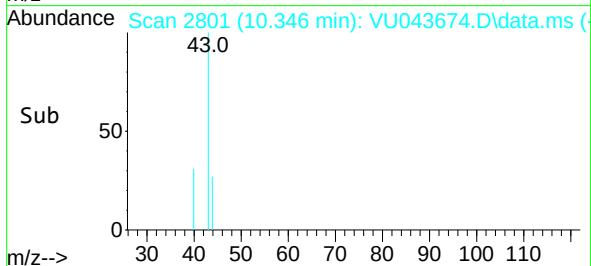
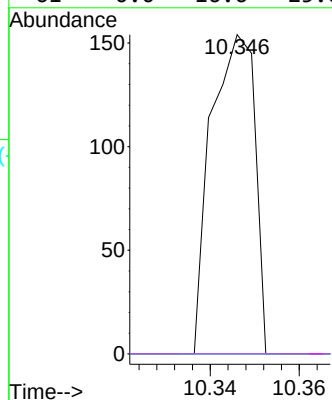


#74
N-amy1 acetate
Concen: 2.54 ug/l
RT: 10.346 min Scan# 2801
Delta R.T. 0.019 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

Instrument :
MSVOA_U
ClientSampleId :

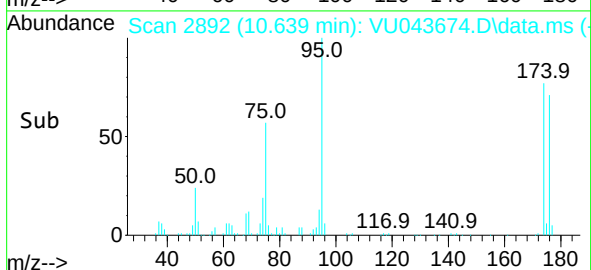
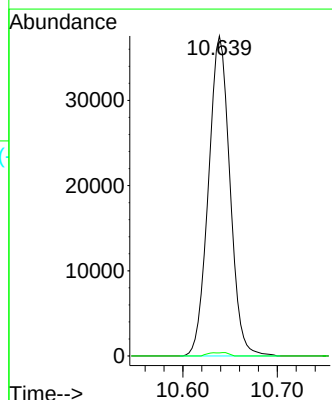
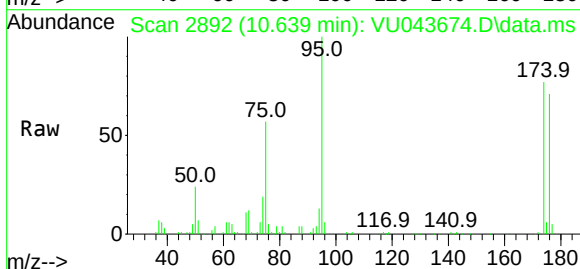


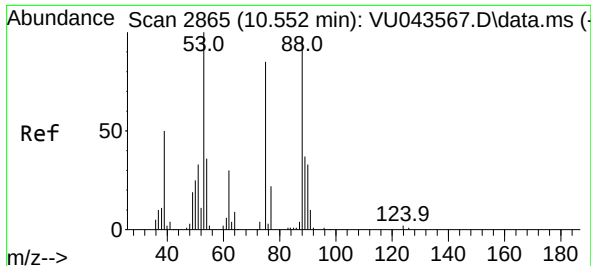
Tgt Ion: 43	Resp:	105
Ion Ratio	Lower	Upper
43	100	
70	0.0	26.4 39.6#
55	0.0	18.0 27.0#
61	0.0	16.6 25.0#



#76
1,2,3-Trichloropropane
Concen: 20.70 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043674.D
Acq: 12 May 2021 14:03

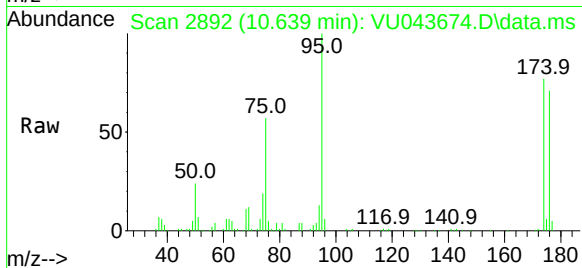
Tgt Ion: 75	Resp:	59314
Ion Ratio	Lower	Upper
75	100	
77	1.0	17.1 51.3#



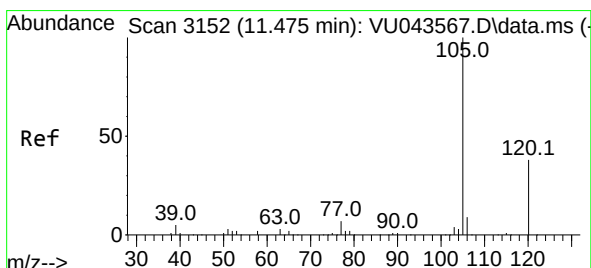
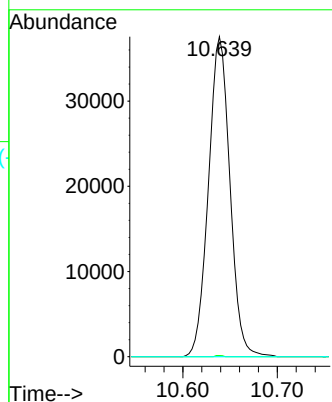
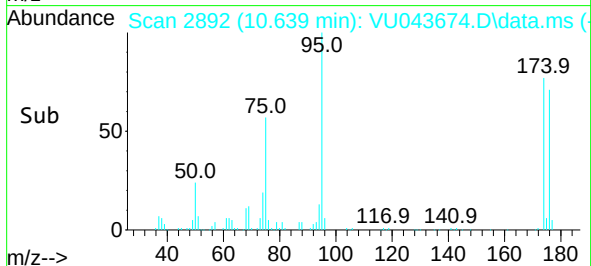


#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.42 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.087 min
 Lab File: VU043674.D
 Acq: 12 May 2021 14:03

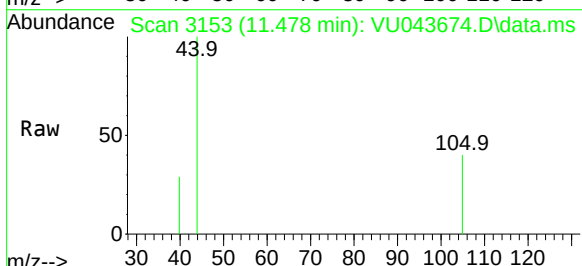
Instrument :
 MSVOA_U
 ClientSampleId :



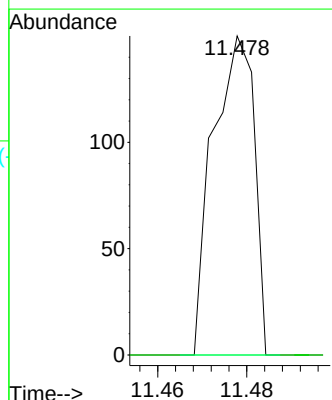
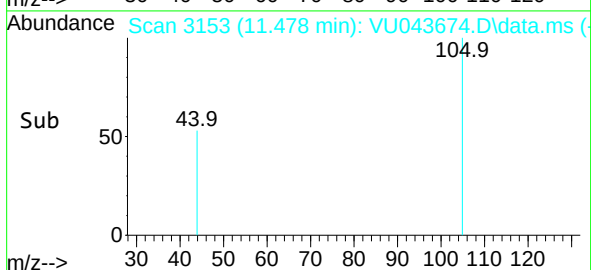
Tgt Ion: 75 Resp: 59314
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.8 143.8#
 89 0.0 36.1 54.1#

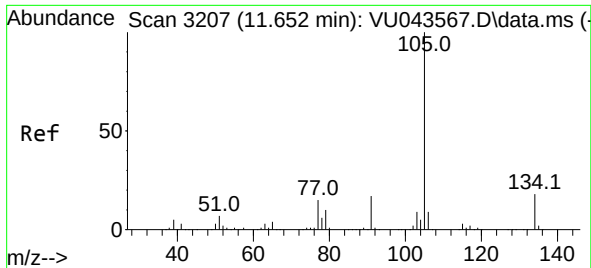


#84
 1,2,4-Trimethylbenzene
 Concen: 1.13 ug/l
 RT: 11.478 min Scan# 3153
 Delta R.T. 0.003 min
 Lab File: VU043674.D
 Acq: 12 May 2021 14:03



Tgt Ion: 105 Resp: 96
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.4 64.2#

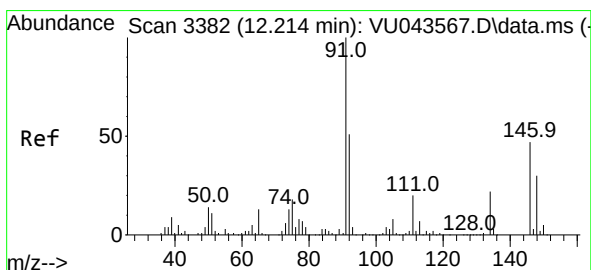
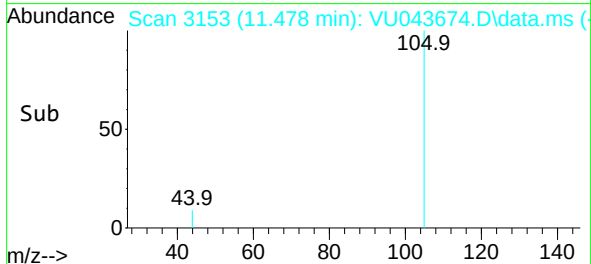
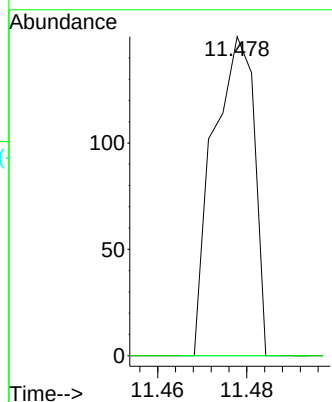
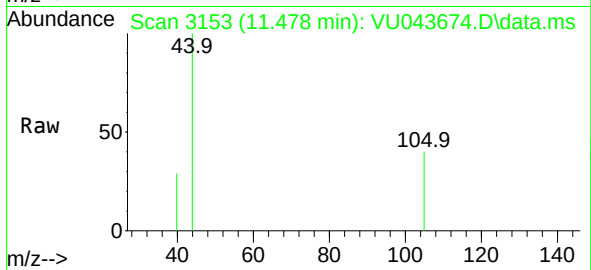




#85
 sec-Butylbenzene
 Concen: 1.35 ug/l
 RT: 11.478 min Scan# 3153
 Delta R.T. -0.174 min
 Lab File: VU043674.D
 Acq: 12 May 2021 14:03

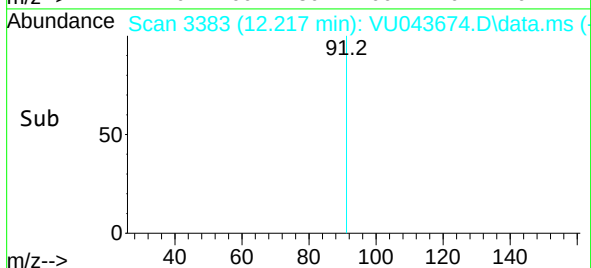
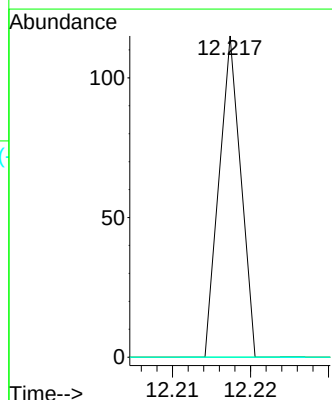
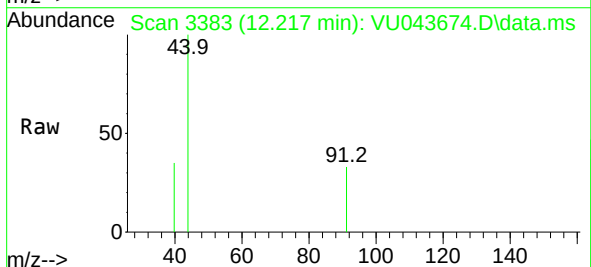
Instrument :
 MSVOA_U
 ClientSampleId :

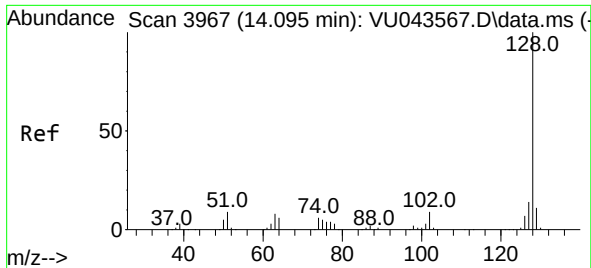
Tgt Ion:105 Resp: 96
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.2 27.6#



#89
 n-Butylbenzene
 Concen: 2.53 ug/l
 RT: 12.217 min Scan# 3383
 Delta R.T. 0.003 min
 Lab File: VU043674.D
 Acq: 12 May 2021 14:03

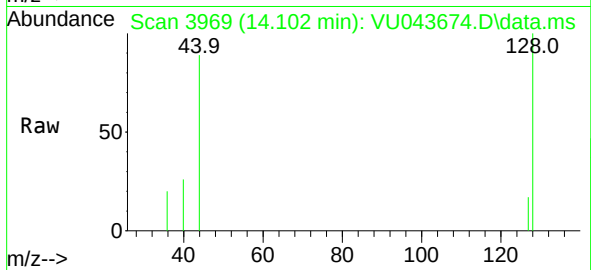
Tgt Ion: 91 Resp: 22
 Ion Ratio Lower Upper
 91 100
 92 0.0 25.4 76.2#
 134 0.0 11.3 33.9#





#95
 Naphthalene
 Concen: 1.64 ug/l
 RT: 14.102 min Scan# 3969
 Delta R.T. 0.007 min
 Lab File: VU043674.D
 Acq: 12 May 2021 14:03

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	950
Ion	Ratio	Lower	Upper
128	100		
127	6.2	10.7	16.1#
129	0.0	8.6	12.8#

