

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050721\
 Data File : VU043614.D
 Acq On : 07 May 2021 15:54
 Operator : SY/MD
 Sample : M2304-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OWL-C5-GW

Quant Time: May 08 01:10:12 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)

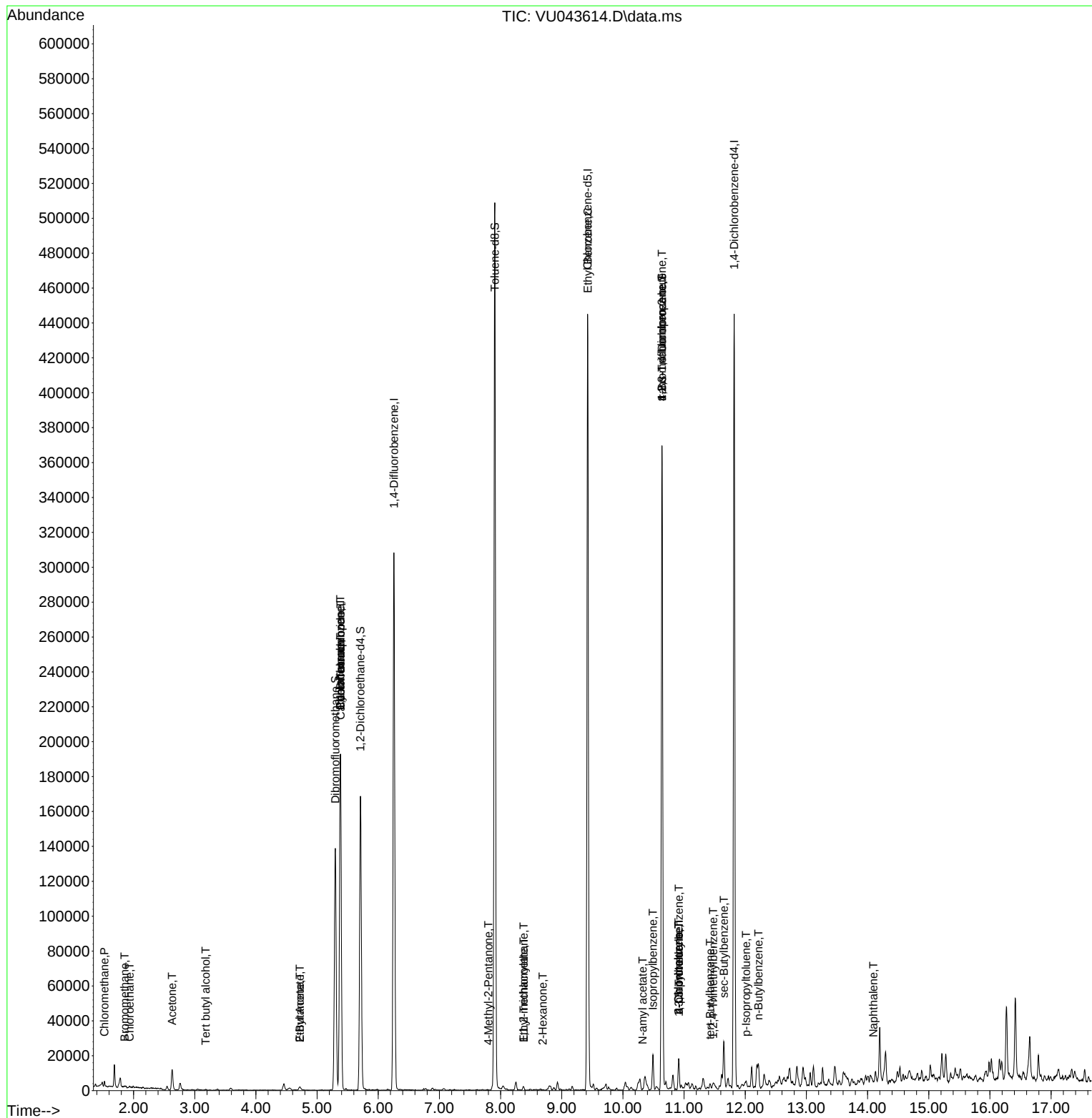
Internal Standards						
1) Pentafluorobenzene	5.382	168	125754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	224492	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	220111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	103611	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	128422	50.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.90%	
35) Dibromofluoromethane	5.298	113	85590	47.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.62%	
50) Toluene-d8	7.906	98	308761	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
62) 4-Bromofluorobenzene	10.639	95	114106	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	1796	1.12	ug/l	95
5) Bromomethane	1.854	94	336	0.30	ug/l	83
6) Chloroethane	1.935	64	518	0.40	ug/l	90
11) Tert butyl alcohol	3.179	59	311	0.46	ug/l #	73
16) Acetone	2.629	43	13564	9.60	ug/l	98
25) 2-Butanone	4.716	43	3400	1.56	ug/l	95
31) Cyclohexane	5.382	56	3368	1.11	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	11544	4.53	ug/l #	50
37) Ethyl Acetate	4.716	43	3400	0.79	ug/l #	72
38) Carbon Tetrachloride	5.385	117	13223	5.12	ug/l #	16
51) 4-Methyl-2-Pentanone	7.803	43	109	19.20	ug/l #	41
55) 1,1,2-Trichloroethane	8.378	97	863	0.45	ug/l #	13
56) Ethyl methacrylate	8.378	69	39	4.23	ug/l #	1
59) 2-Hexanone	8.690	43	258	20.77	ug/l #	30
67) Ethyl Benzene	9.426	91	418	1.49	ug/l #	45
73) Isopropylbenzene	10.491	105	11748	1.58	ug/l	99
74) N-amyl acetate	10.320	43	137	2.54	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	64790	19.67	ug/l #	42
78) n-propylbenzene	10.912	91	13556	1.49	ug/l	98
79) 2-Chlorotoluene	10.912	91	13556	2.41	ug/l #	43
80) 1,3,5-Trimethylbenzene	10.915	105	497	0.80	ug/l #	1
81) trans-1,4-Dichloro-2-b...	10.639	75	64790	64.05	ug/l #	3
82) 4-Chlorotoluene	10.912	91	13556	2.11	ug/l #	48
83) tert-Butylbenzene	11.426	119	1284	0.21	ug/l	81
84) 1,2,4-Trimethylbenzene	11.478	105	591	1.19	ug/l #	33
85) sec-Butylbenzene	11.651	105	14346	2.99	ug/l	94
86) p-Isopropyltoluene	12.015	119	2378	1.79	ug/l	92
89) n-Butylbenzene	12.217	91	5801	3.30	ug/l	95
95) Naphthalene	14.095	128	723	1.60	ug/l #	79

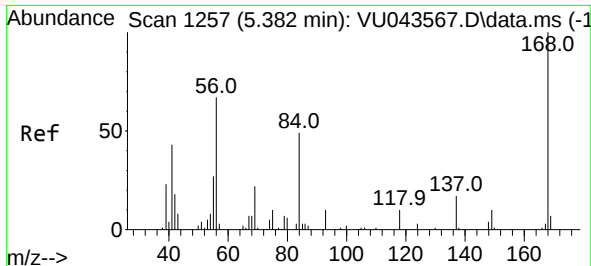
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 06 07:26:23 2021
Response via : Initial Calibration

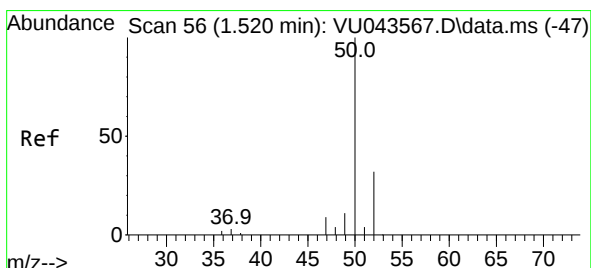
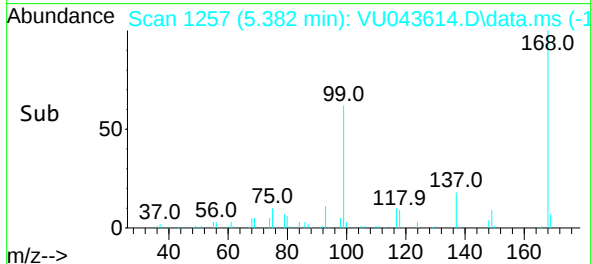
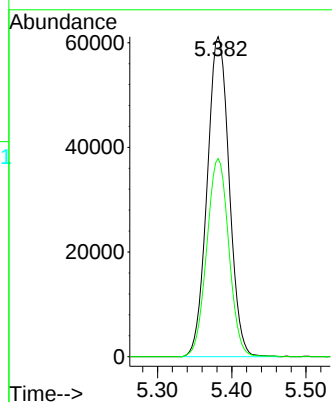
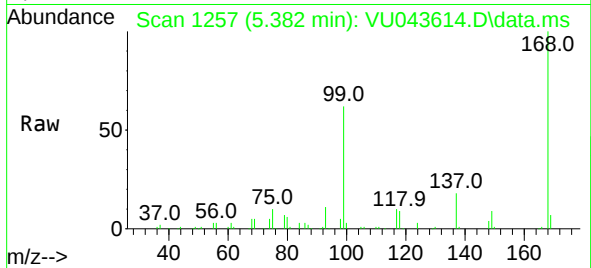




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

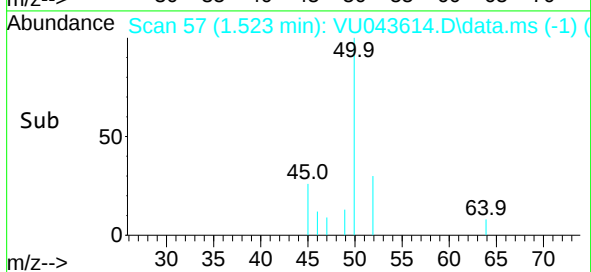
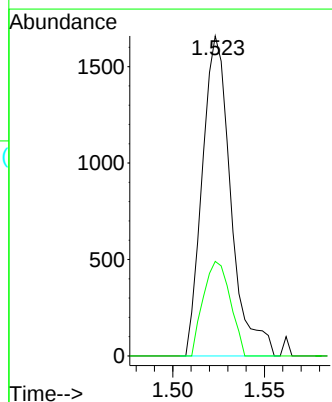
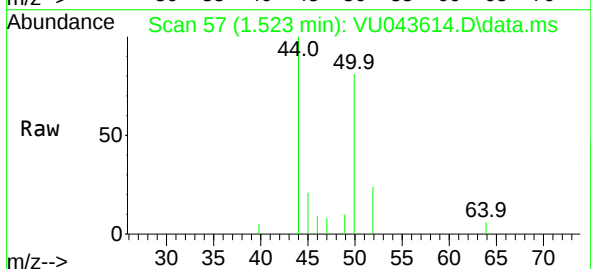
Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

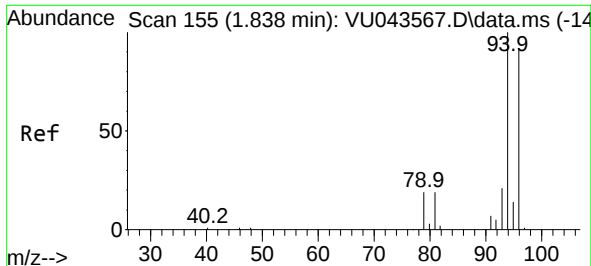
Tgt Ion:168 Resp: 125754
Ion Ratio Lower Upper
168 100
99 61.9 49.0 73.6



#3
Chloromethane
Concen: 1.12 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

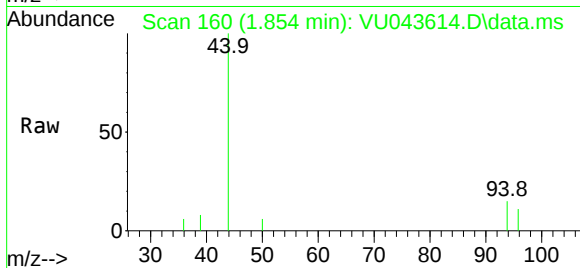
Tgt Ion: 50 Resp: 1796
Ion Ratio Lower Upper
50 100
52 29.5 25.9 38.9



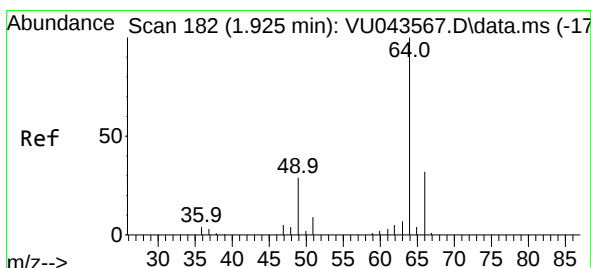
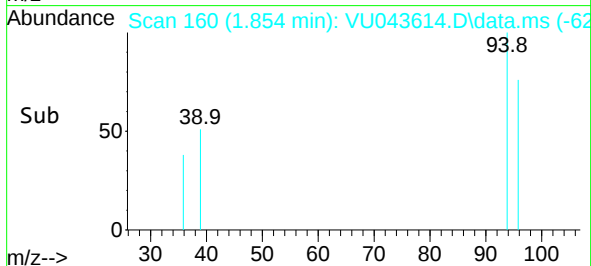
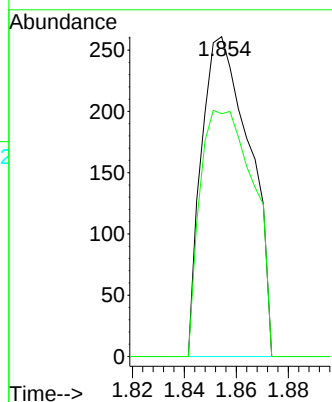


#5
Bromomethane
Concen: 0.30 ug/l
RT: 1.854 min Scan# 160
Delta R.T. 0.016 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

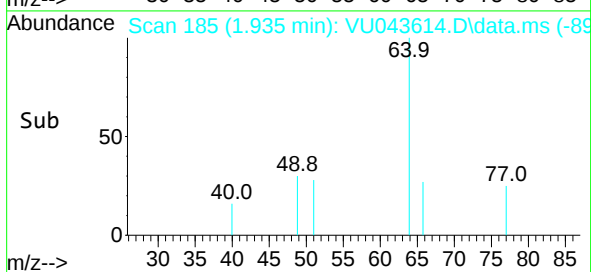
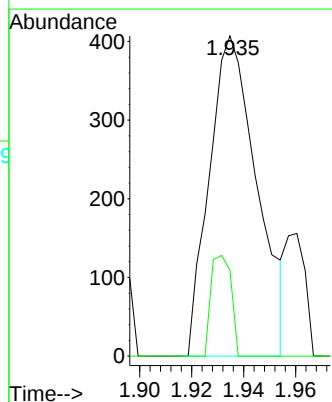
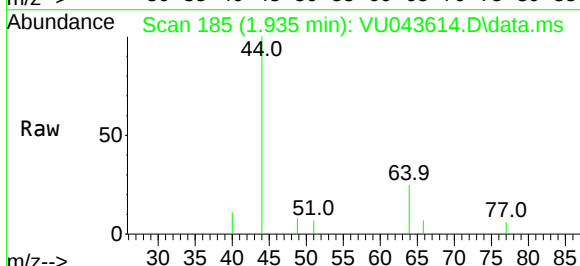


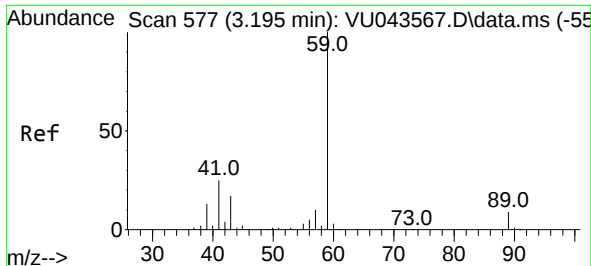
Tgt Ion: 94 Resp: 336
Ion Ratio Lower Upper
94 100
96 75.9 73.3 109.9



#6
Chloroethane
Concen: 0.40 ug/l
RT: 1.935 min Scan# 185
Delta R.T. 0.010 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Tgt Ion: 64 Resp: 518
Ion Ratio Lower Upper
64 100
66 26.8 25.7 38.5



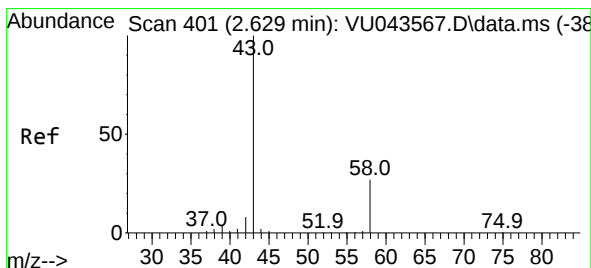
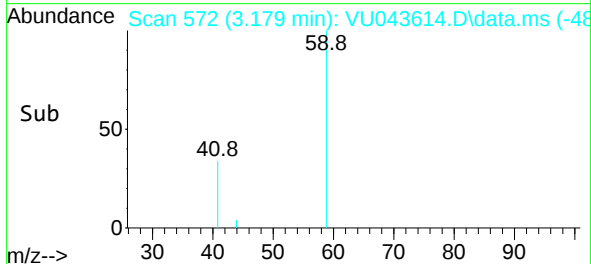
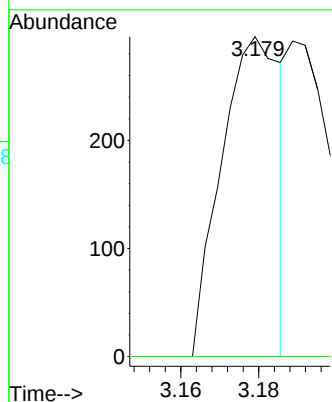
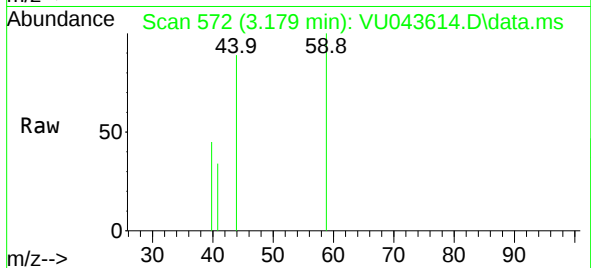


#11

Tert butyl alcohol
Concen: 0.46 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.016 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

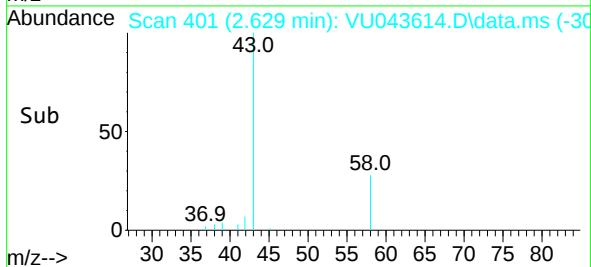
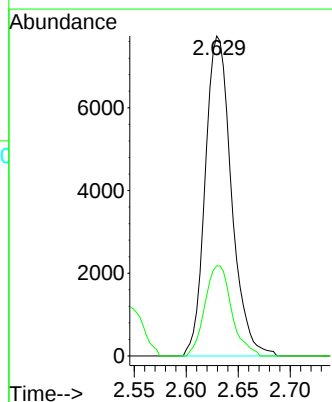
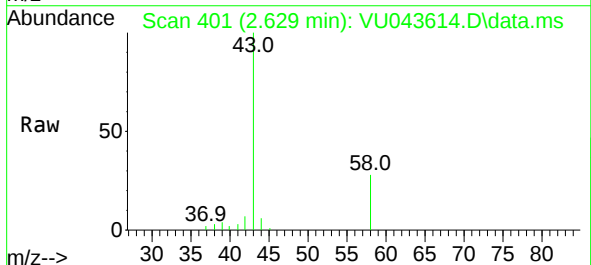
Tgt Ion: 59 Resp: 311
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

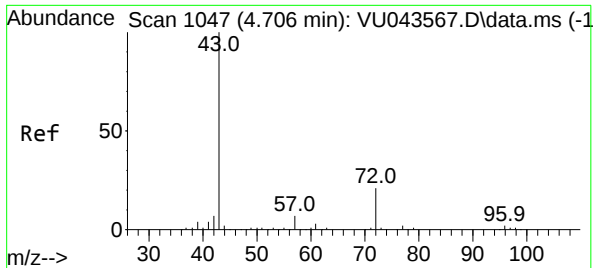


#16

Acetone
Concen: 9.60 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.000 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Tgt Ion: 43 Resp: 13564
Ion Ratio Lower Upper
43 100
58 28.1 21.7 32.5

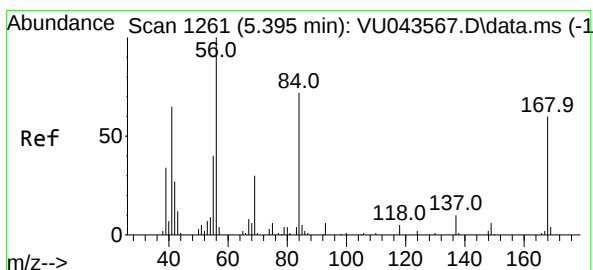
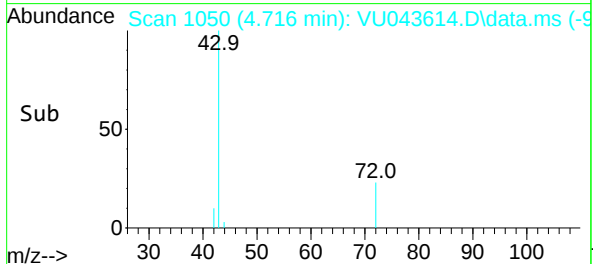
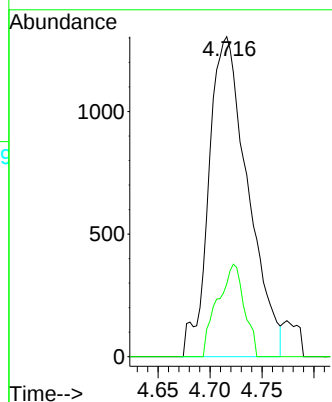
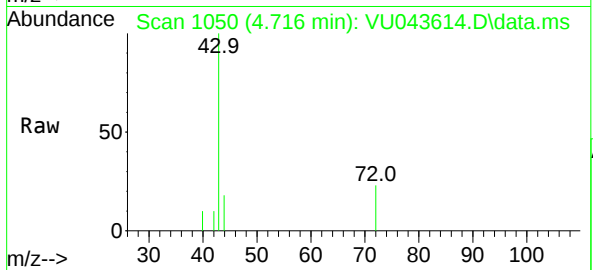




#25
2-Butanone
Concen: 1.56 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.010 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

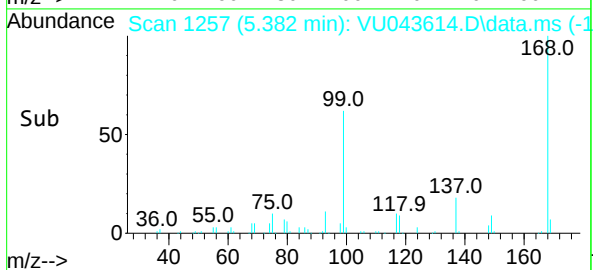
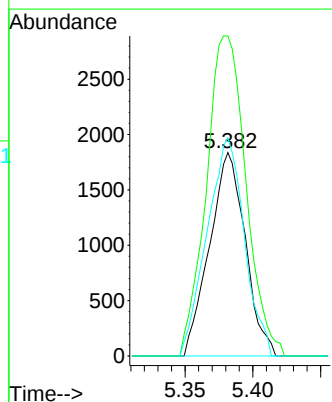
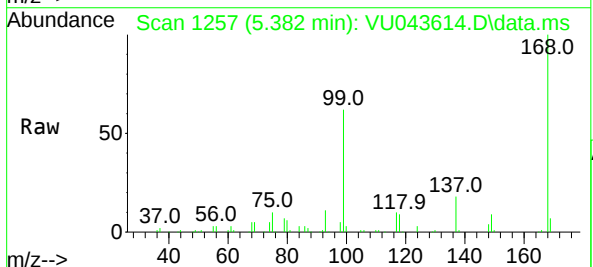
Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

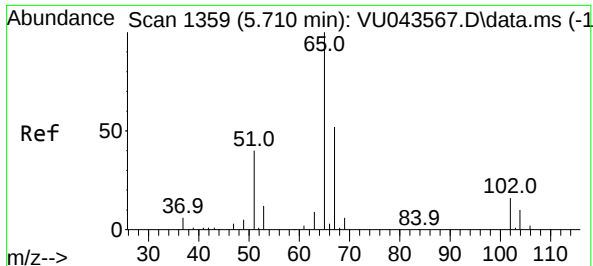
Tgt Ion: 43 Resp: 3400
Ion Ratio Lower Upper
43 100
72 22.8 16.5 24.7



#31
Cyclohexane
Concen: 1.11 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Tgt Ion: 56 Resp: 3368
Ion Ratio Lower Upper
56 100
69 157.4 23.9 35.9#
84 107.3 57.7 86.5#





#33

1,2-Dichloroethane-d4

Concen: 50.45 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043614.D

Acq: 07 May 2021 15:54

Tgt Ion: 65 Resp: 128422

Ion Ratio Lower Upper

65 100

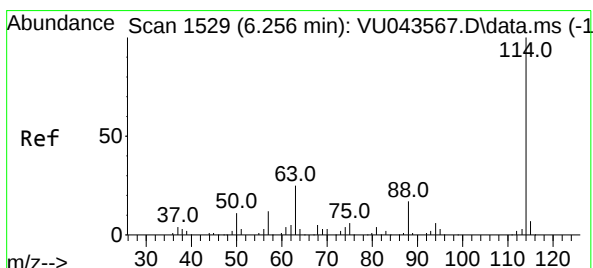
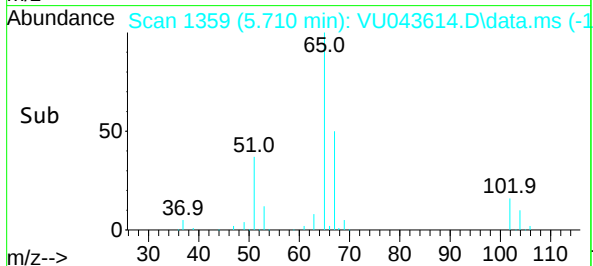
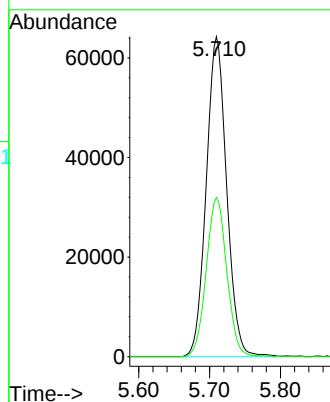
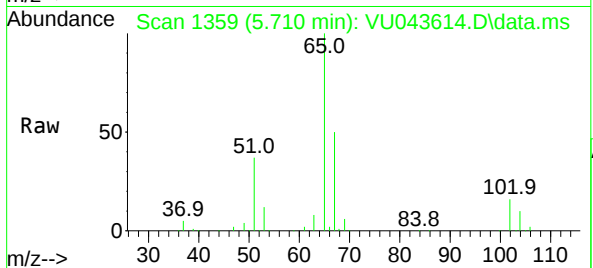
67 50.2 0.0 104.6

Instrument :

MSVOA_U

ClientSampleId :

OWL-C5-GW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. -0.000 min

Lab File: VU043614.D

Acq: 07 May 2021 15:54

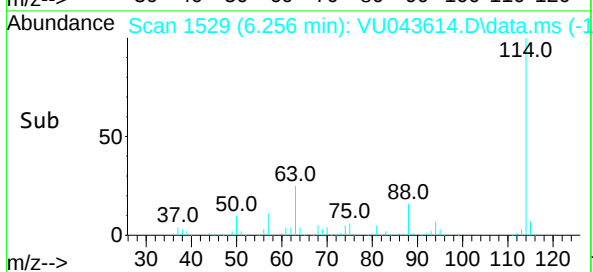
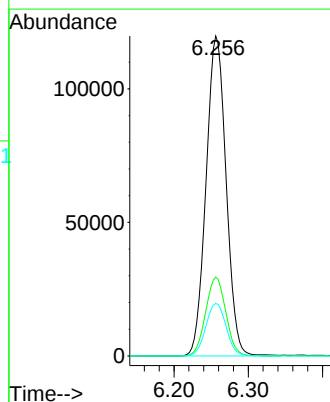
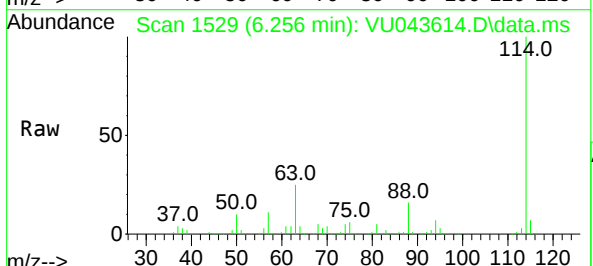
Tgt Ion: 114 Resp: 224492

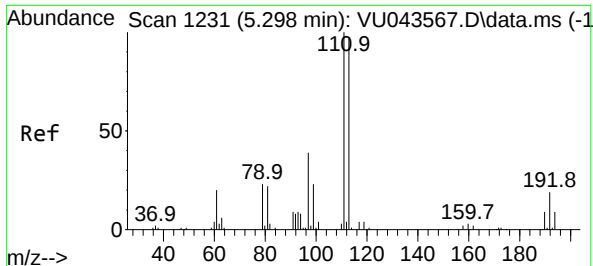
Ion Ratio Lower Upper

114 100

63 24.7 0.0 50.2

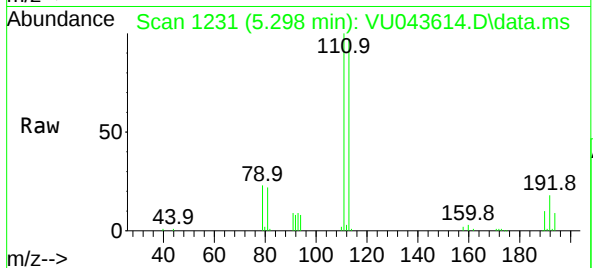
88 16.4 0.0 33.8



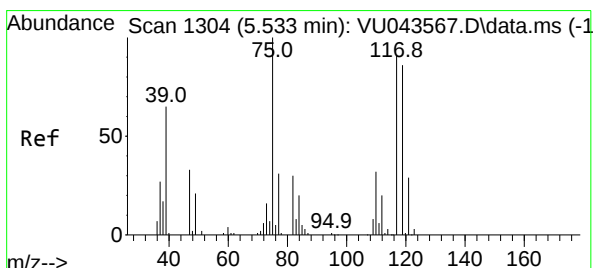
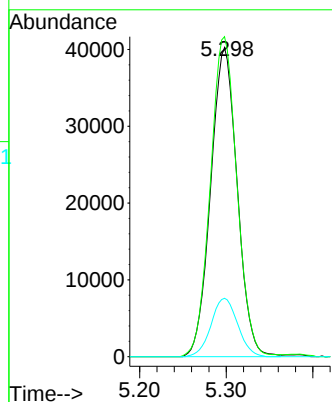
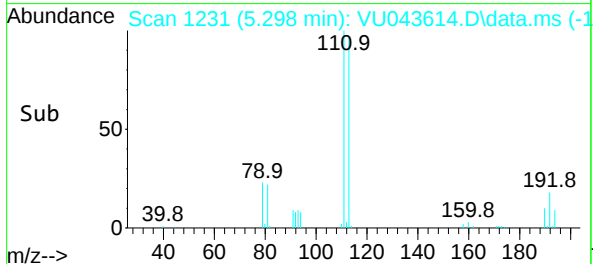


#35
Dibromofluoromethane
Concen: 47.81 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

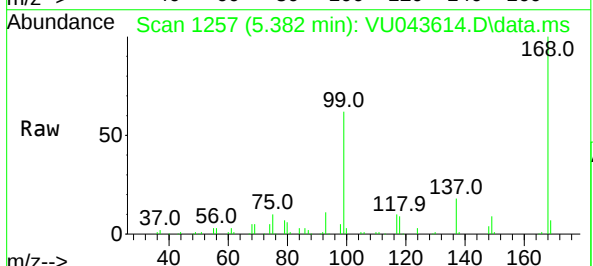
Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW



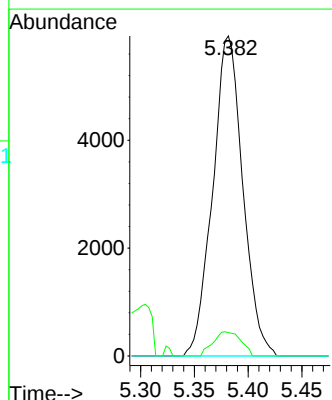
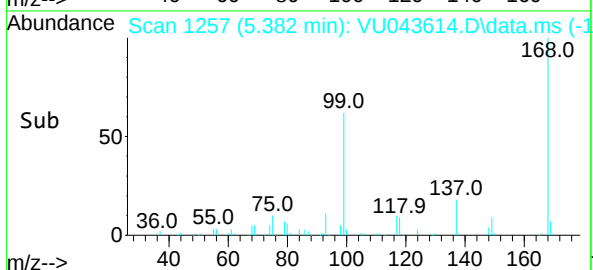
Tgt Ion:113 Resp: 85590
Ion Ratio Lower Upper
113 100
111 103.7 82.3 123.5
192 19.0 15.8 23.6

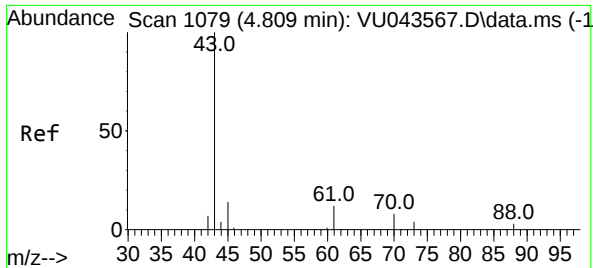


#36
1,1-Dichloropropene
Concen: 4.53 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54



Tgt Ion: 75 Resp: 11544
Ion Ratio Lower Upper
75 100
110 7.0 16.2 48.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.79 ug/l

RT: 4.716 min Scan# 1050

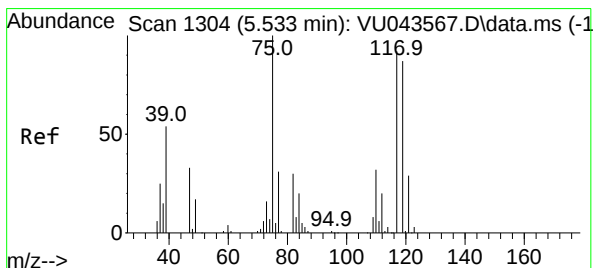
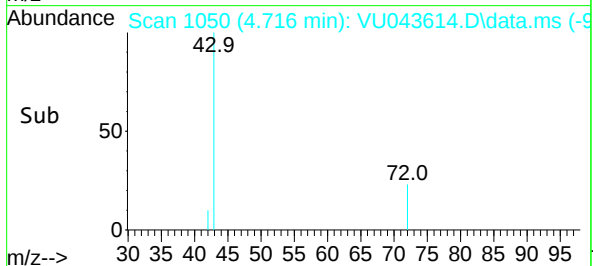
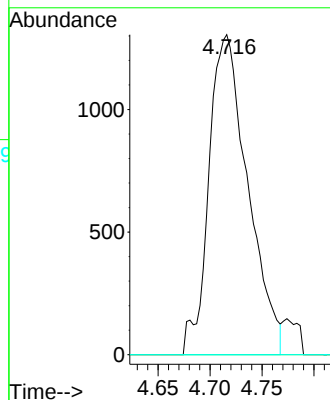
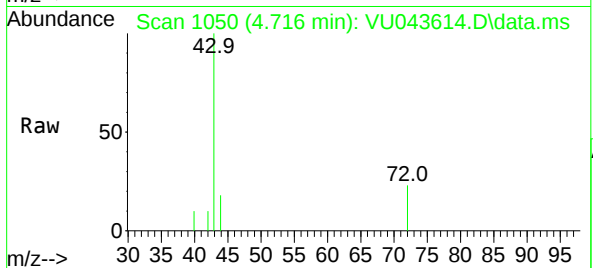
Delta R.T. -0.093 min

Lab File: VU043614.D

Acq: 07 May 2021 15:54

Tgt Ion:	43	Resp:	3400
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	6.5	9.7#

Instrument :
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#38

Carbon Tetrachloride

Concen: 5.12 ug/l

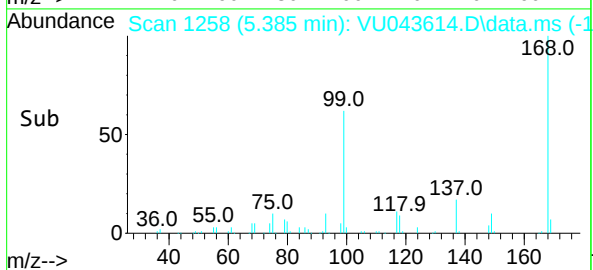
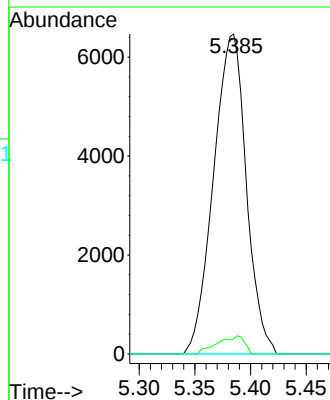
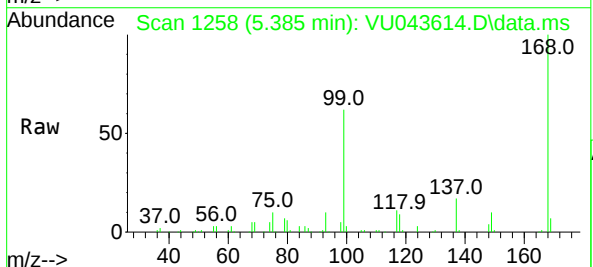
RT: 5.385 min Scan# 1258

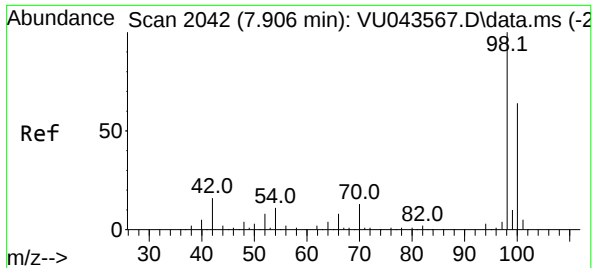
Delta R.T. -0.148 min

Lab File: VU043614.D

Acq: 07 May 2021 15:54

Tgt Ion:	117	Resp:	13223
Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.4	113.0#
121	0.0	25.2	37.8#

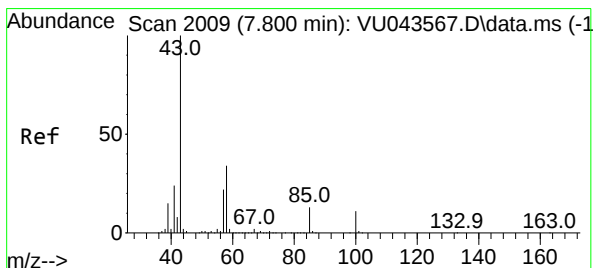
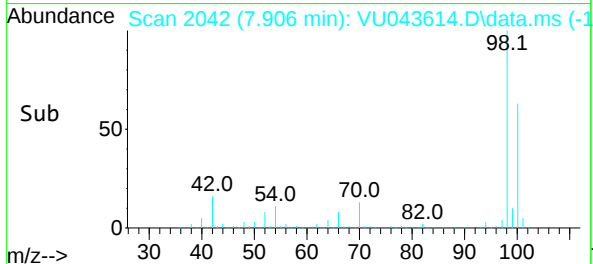
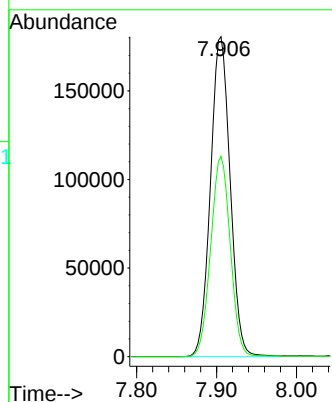
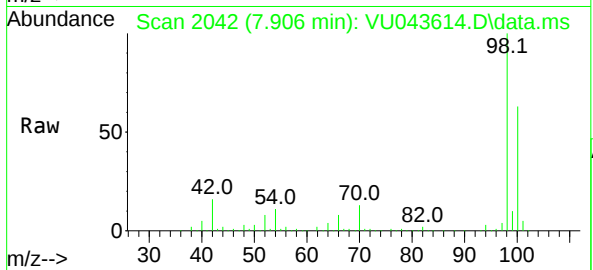




#50
Toluene-d8
Concen: 48.64 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

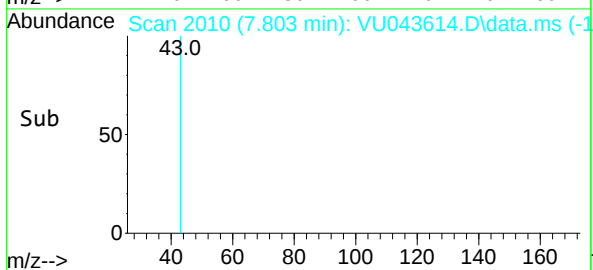
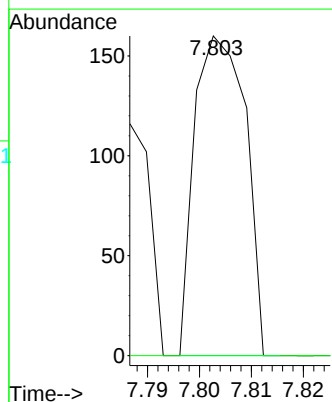
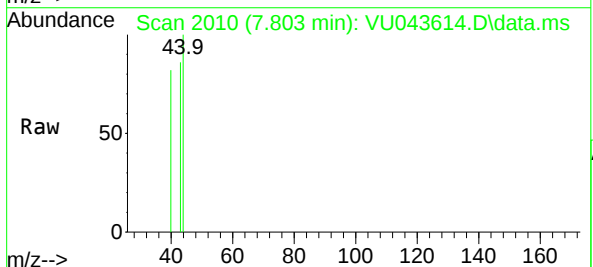
Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

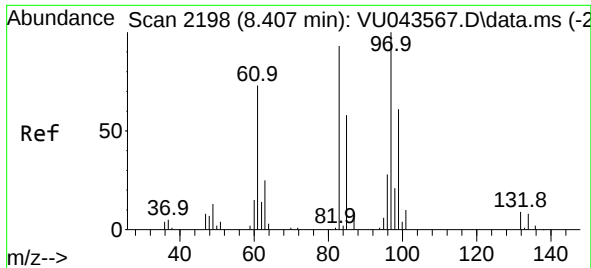
Tgt Ion: 98 Resp: 308761
Ion Ratio Lower Upper
98 100
100 62.4 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 19.20 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

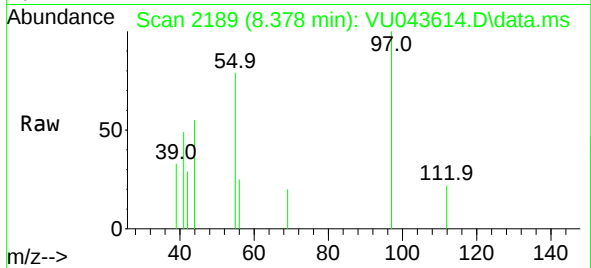
Tgt Ion: 43 Resp: 109
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#



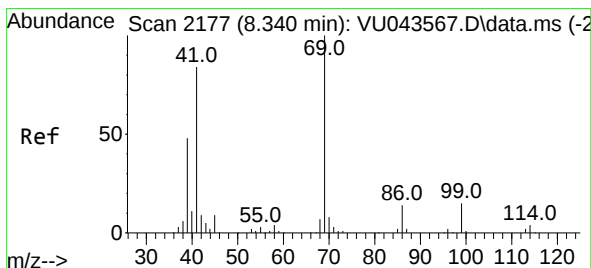
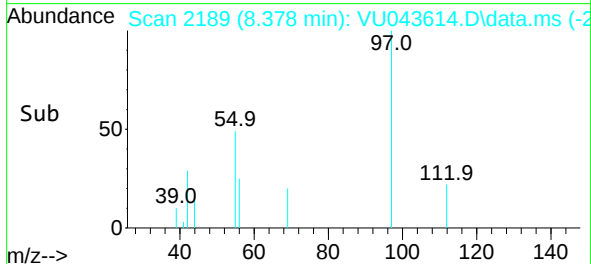
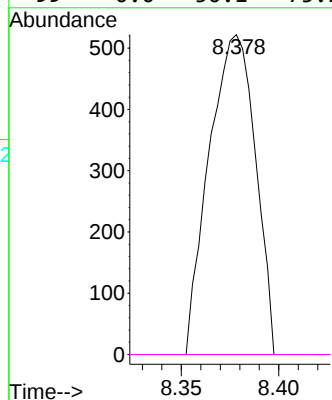


#55
1,1,2-Trichloroethane
Concen: 0.45 ug/l
RT: 8.378 min Scan# 2189
Delta R.T. -0.029 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

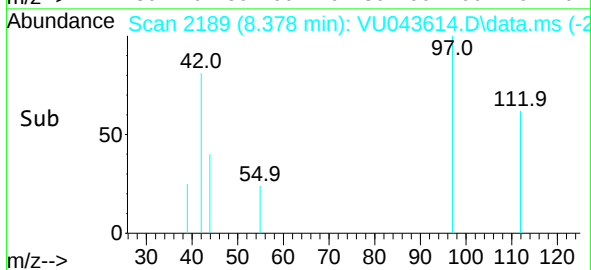
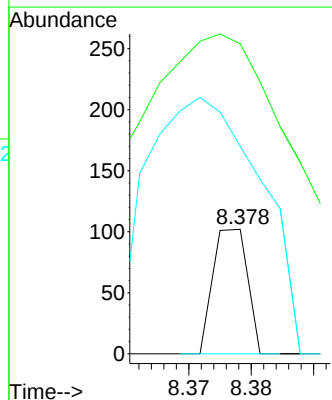
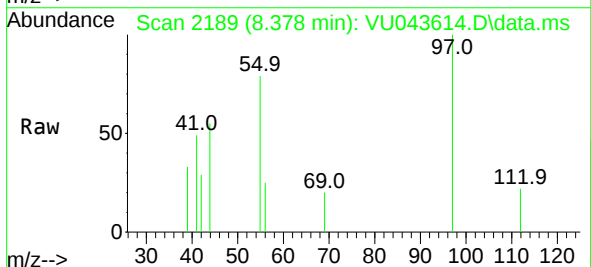


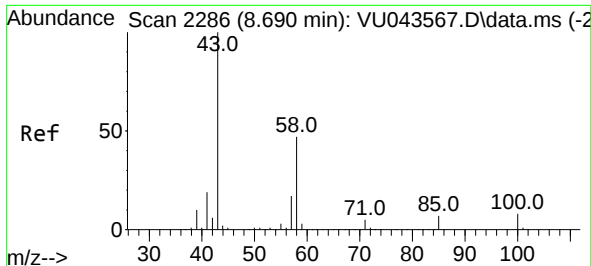
Tgt Ion:	97	Resp:	863
Ion	Ratio	Lower	Upper
97	100		
83	0.0	74.4	111.6#
85	0.0	46.6	70.0#
99	0.0	50.1	75.1#



#56
Ethyl methacrylate
Concen: 4.23 ug/l
RT: 8.378 min Scan# 2189
Delta R.T. 0.038 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Tgt Ion:	69	Resp:	39
Ion	Ratio	Lower	Upper
69	100		
41	1241.0	66.7	100.1#
39	676.9	37.8	56.8#

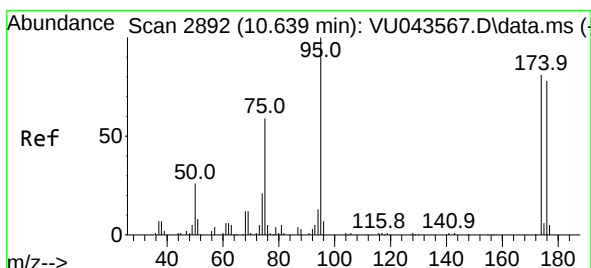
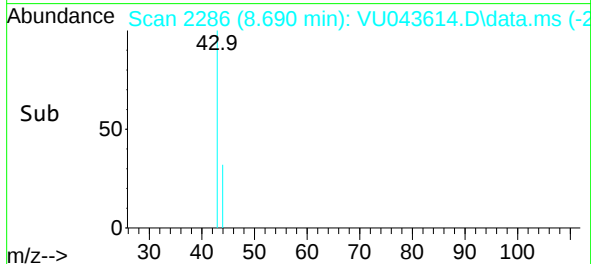
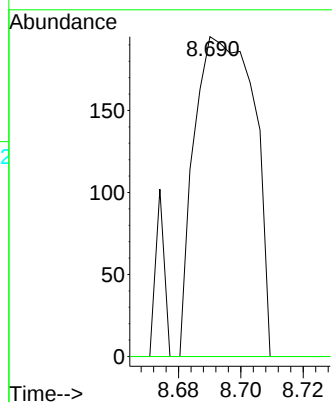
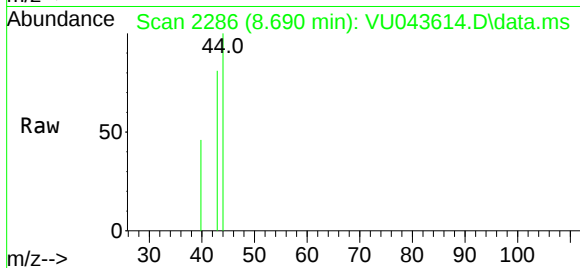




#59
2-Hexanone
Concen: 20.77 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. 0.000 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

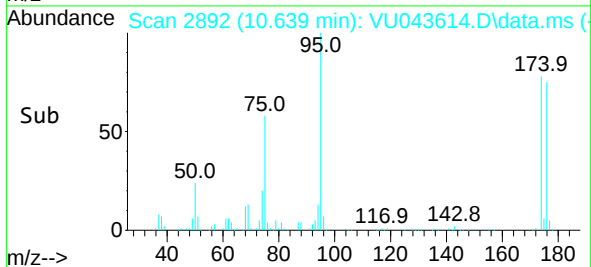
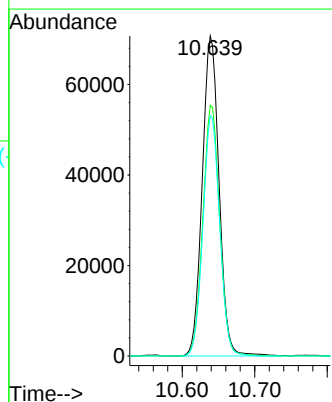
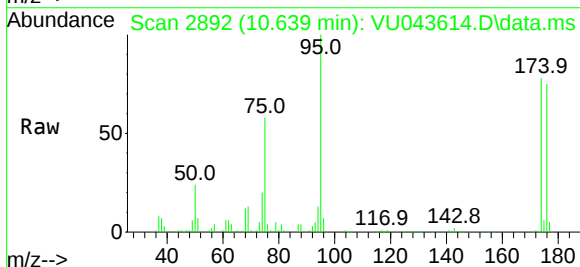
Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

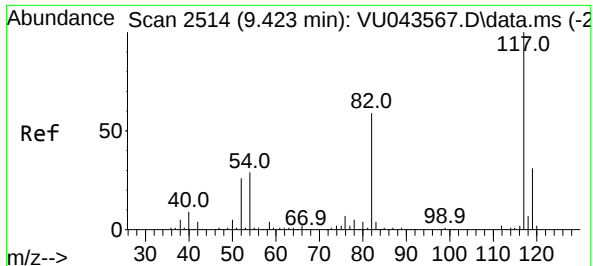
Tgt Ion: 43 Resp: 258
Ion Ratio Lower Upper
43 100
58 0.0 23.4 70.2#



#62
4-Bromofluorobenzene
Concen: 47.25 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Tgt Ion: 95 Resp: 114106
Ion Ratio Lower Upper
95 100
174 78.1 0.0 158.8
176 74.6 0.0 155.6

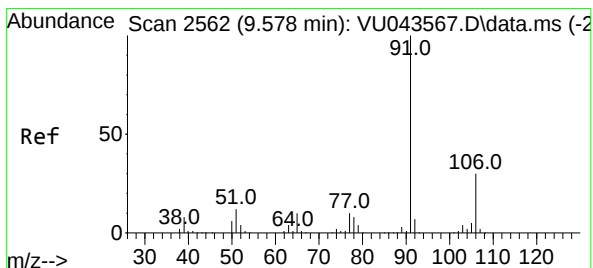
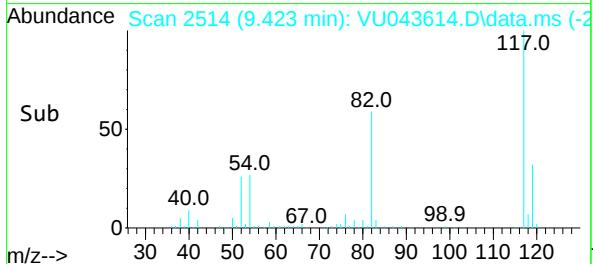
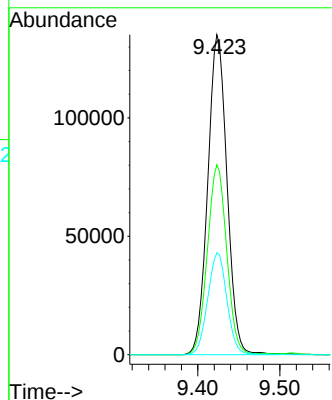
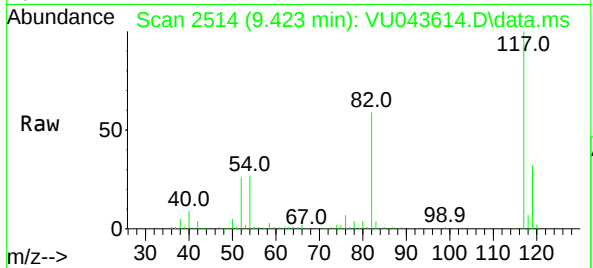




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

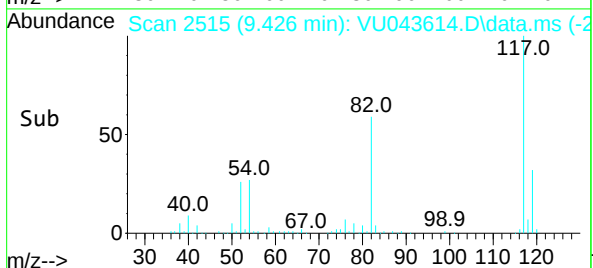
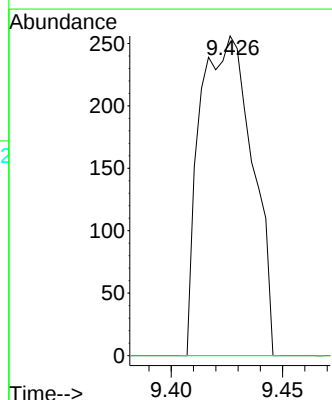
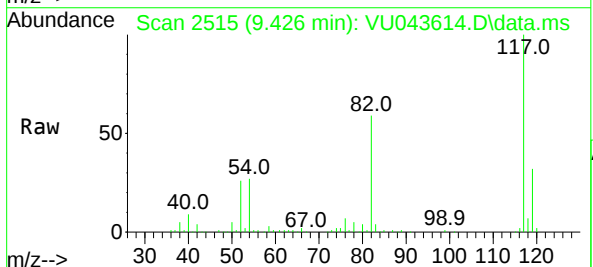
Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

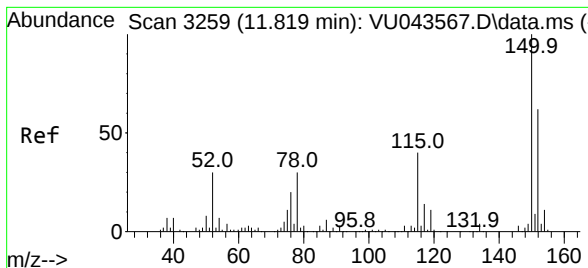
Tgt Ion:117 Resp: 220111
Ion Ratio Lower Upper
117 100
82 59.4 47.5 71.3
119 31.9 24.7 37.1



#67
Ethyl Benzene
Concen: 1.49 ug/l
RT: 9.426 min Scan# 2515
Delta R.T. -0.152 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Tgt Ion: 91 Resp: 418
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#

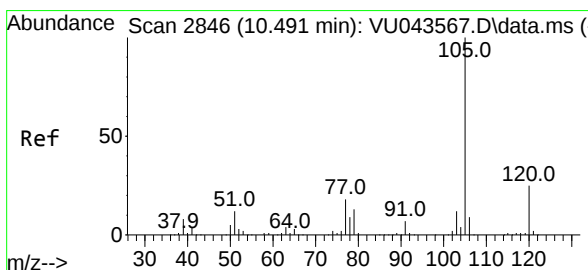
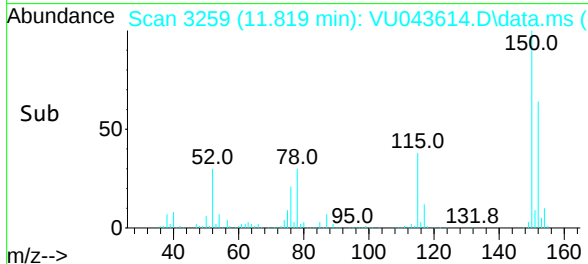
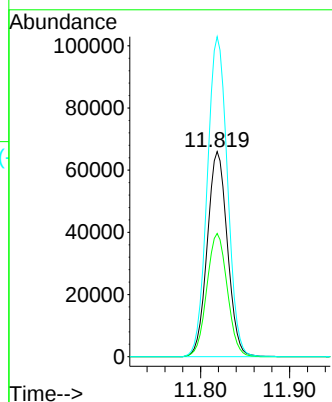
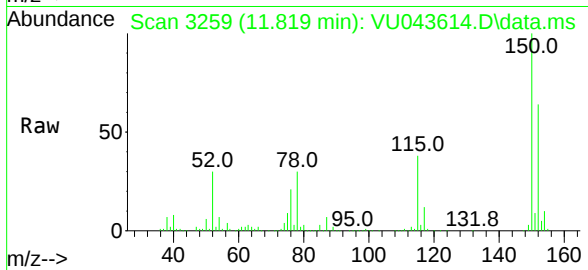




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

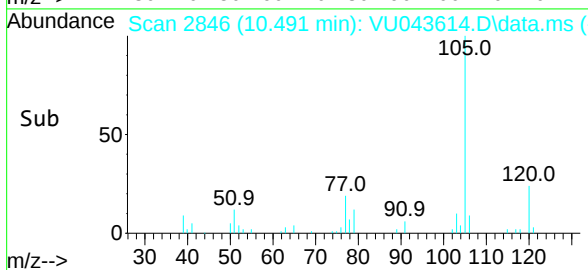
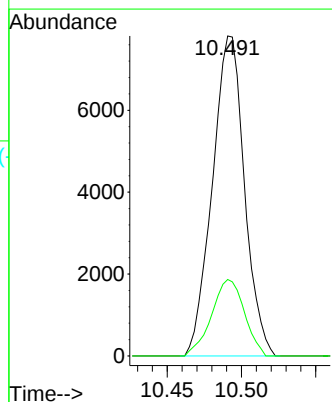
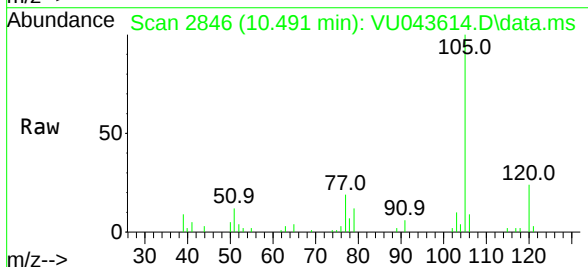
Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

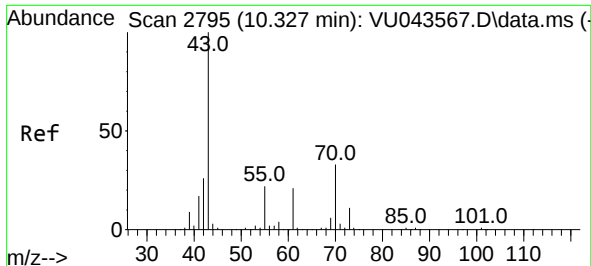
Tgt Ion:152 Resp: 103611
Ion Ratio Lower Upper
152 100
115 61.0 46.1 138.3
150 156.1 0.0 361.0



#73
Isopropylbenzene
Concen: 1.58 ug/l
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Tgt Ion:105 Resp: 11748
Ion Ratio Lower Upper
105 100
120 24.4 12.6 37.6



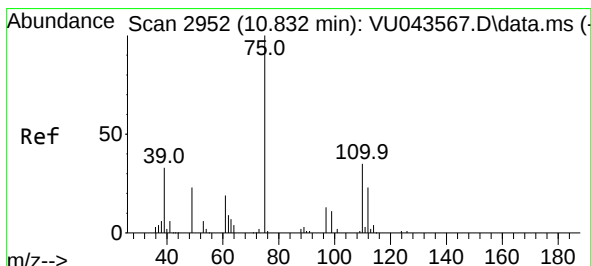
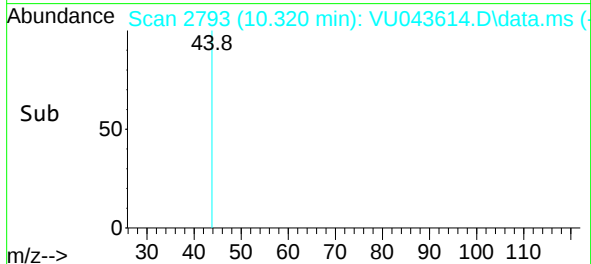
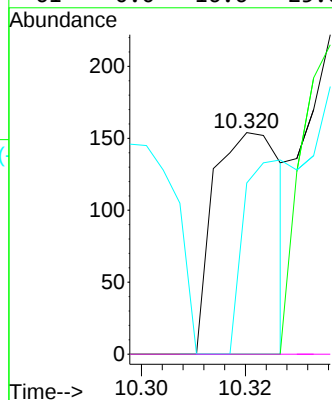
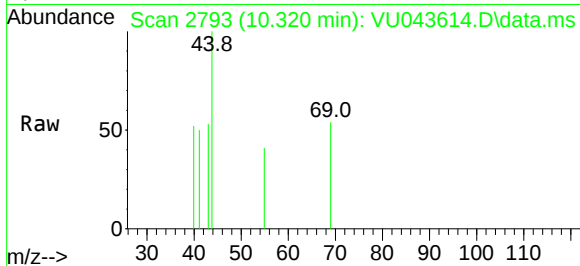


#74
N-amy1 acetate
Concen: 2.54 ug/l
RT: 10.320 min Scan# 2793
Delta R.T. -0.007 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

Tgt Ion: 43 Resp: 137

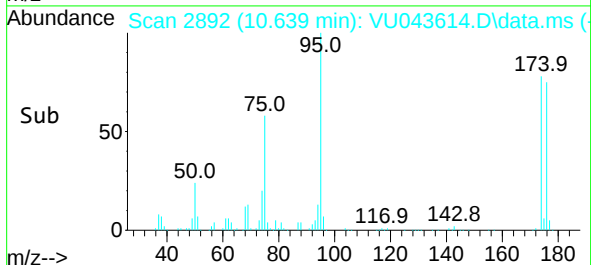
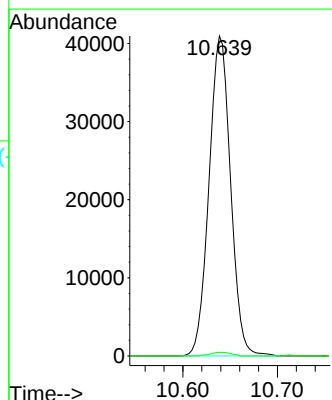
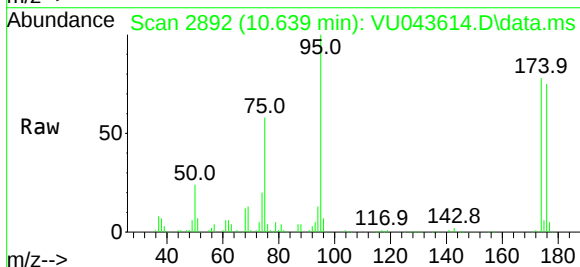
Ion	Ratio	Lower	Upper
43	100		
70	0.0	26.4	39.6#
55	0.0	18.0	27.0#
61	0.0	16.6	25.0#

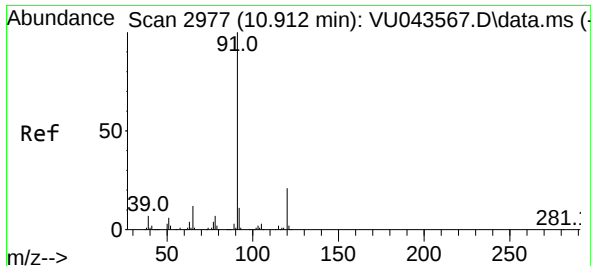


#76
1,2,3-Trichloropropane
Concen: 19.67 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Tgt Ion: 75 Resp: 64790

Ion	Ratio	Lower	Upper
75	100		
77	1.1	17.1	51.3#

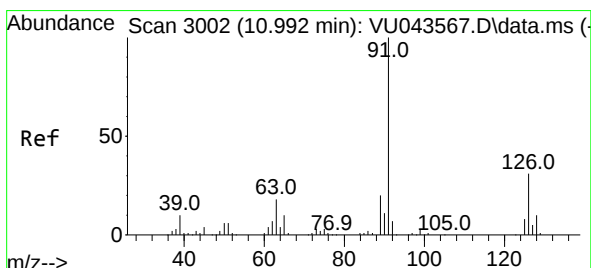
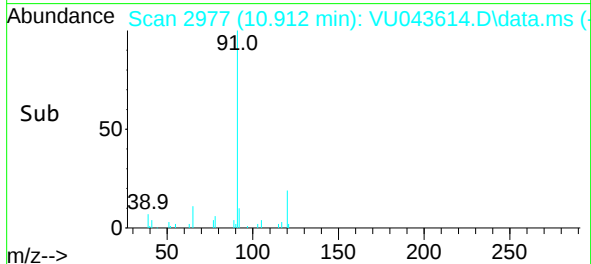
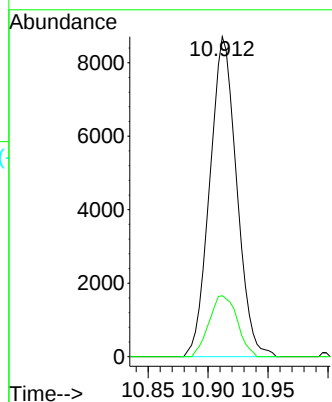
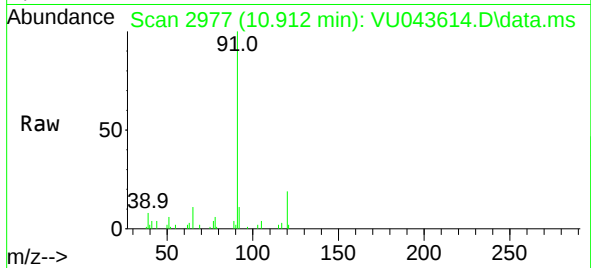




#78
n-propylbenzene
Concen: 1.49 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.000 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

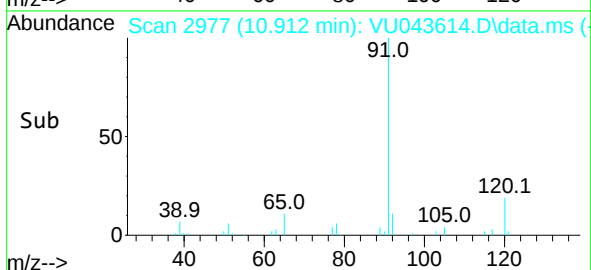
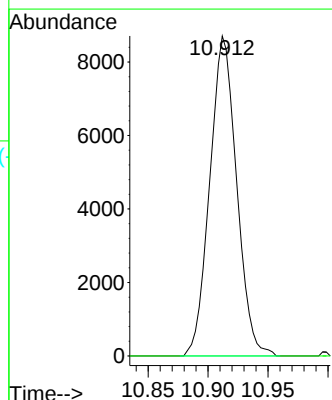
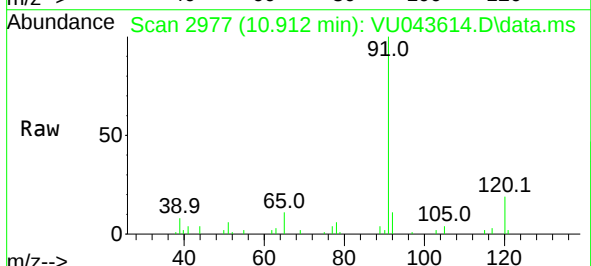
Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

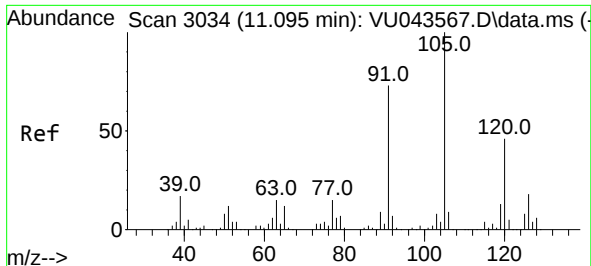
Tgt Ion: 91 Resp: 13556
Ion Ratio Lower Upper
91 100
120 20.0 10.4 31.2



#79
2-Chlorotoluene
Concen: 2.41 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.081 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Tgt Ion: 91 Resp: 13556
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.3#

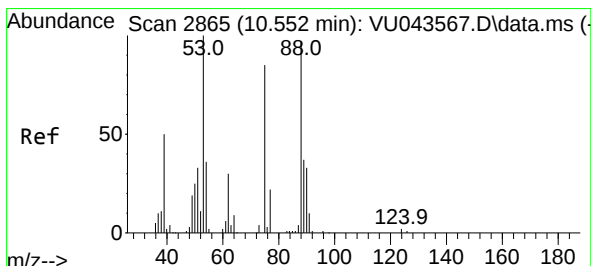
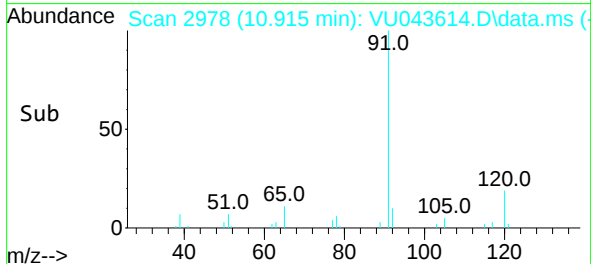
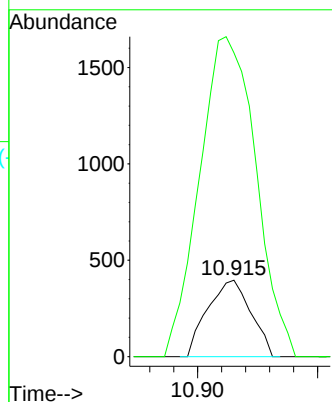
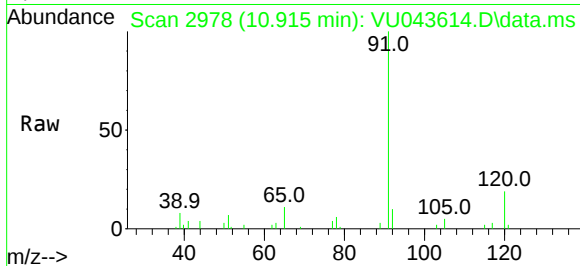




#80
1,3,5-Trimethylbenzene
Concen: 0.80 ug/l
RT: 10.915 min Scan# 2978
Delta R.T. -0.180 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

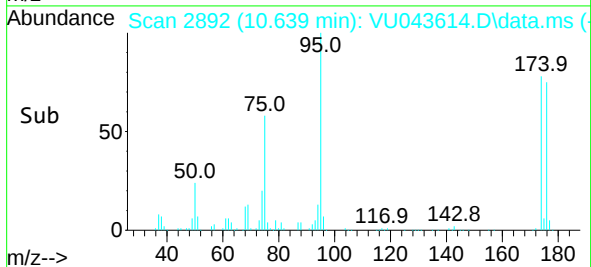
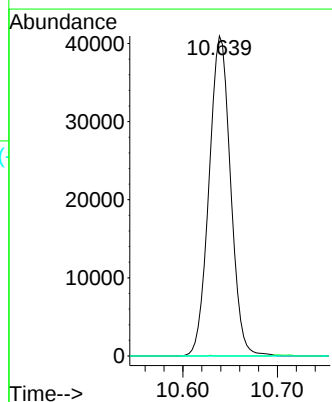
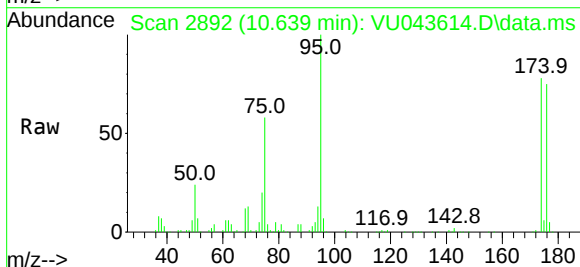
Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

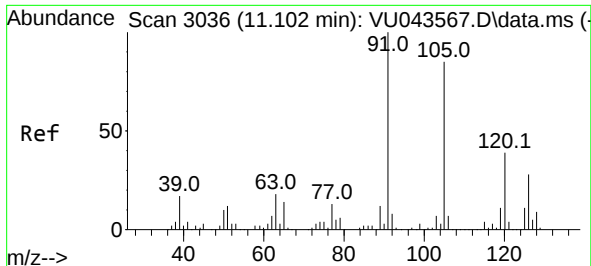
Tgt Ion:105 Resp: 497
Ion Ratio Lower Upper
105 100
120 544.7 22.9 68.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.05 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Tgt Ion: 75 Resp: 64790
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#

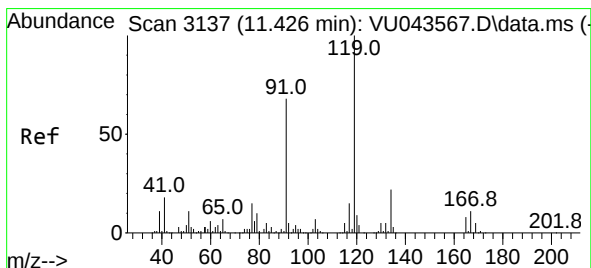
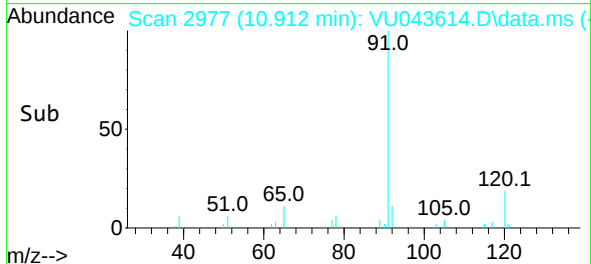
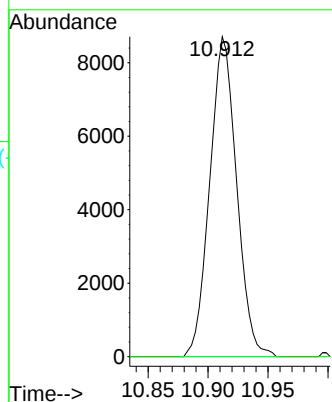
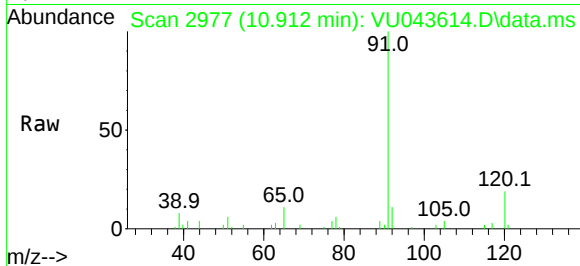




#82
4-Chlorotoluene
Concen: 2.11 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.190 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

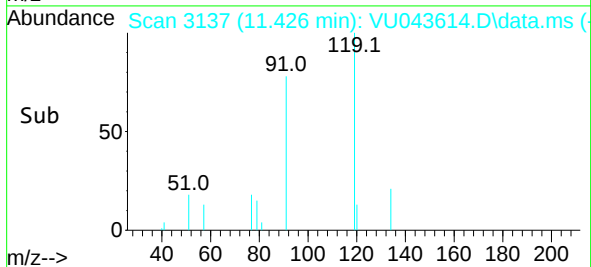
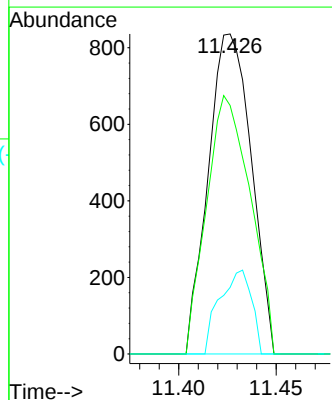
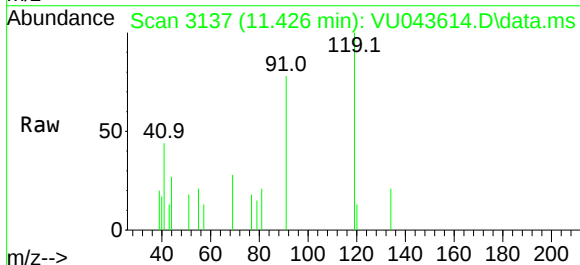
Instrument :
MSVOA_U
ClientSampleId :
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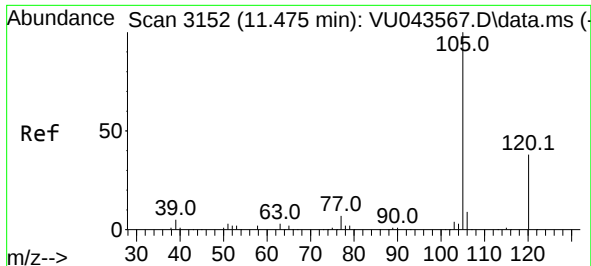
Tgt Ion: 91 Resp: 13556
Ion Ratio Lower Upper
91 100
126 0.0 13.7 41.0#



#83
tert-Butylbenzene
Concen: 0.21 ug/l
RT: 11.426 min Scan# 3137
Delta R.T. -0.000 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Tgt Ion: 119 Resp: 1284
Ion Ratio Lower Upper
119 100
91 82.2 32.0 96.0
134 19.4 10.9 32.9

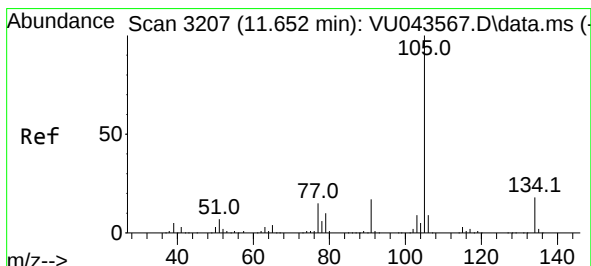
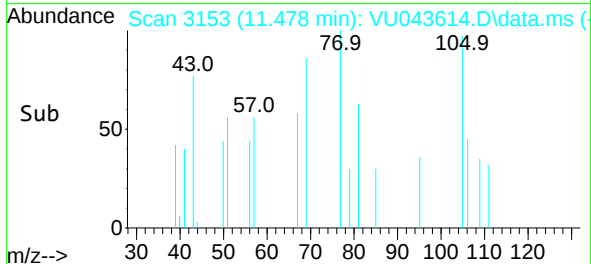
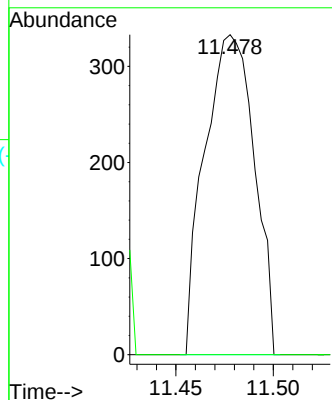
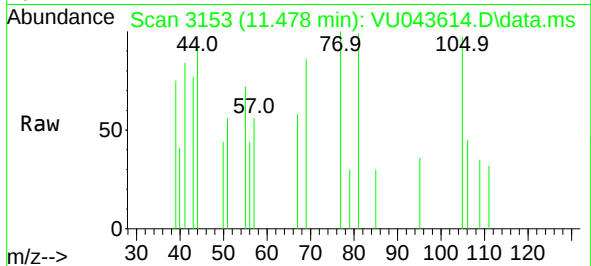




#84
1,2,4-Trimethylbenzene
Concen: 1.19 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

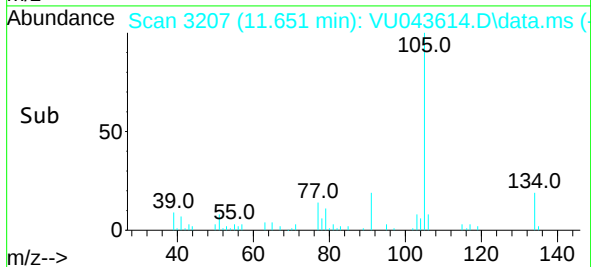
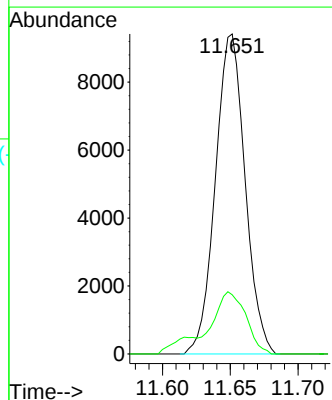
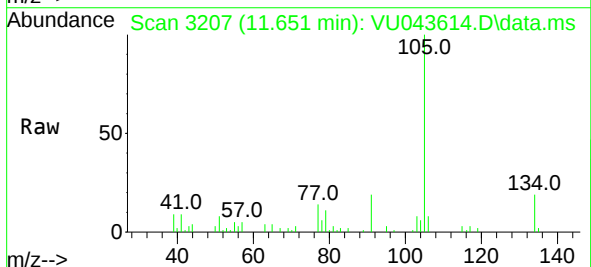
Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

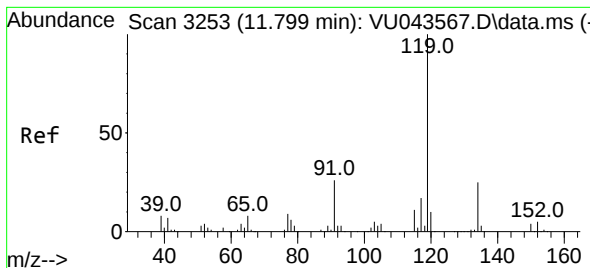
Tgt Ion:105 Resp: 591
Ion Ratio Lower Upper
105 100
120 0.0 21.4 64.2#



#85
sec-Butylbenzene
Concen: 2.99 ug/l
RT: 11.651 min Scan# 3207
Delta R.T. -0.001 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Tgt Ion:105 Resp: 14346
Ion Ratio Lower Upper
105 100
134 21.0 9.2 27.6

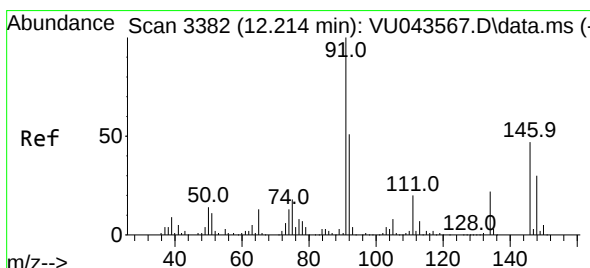
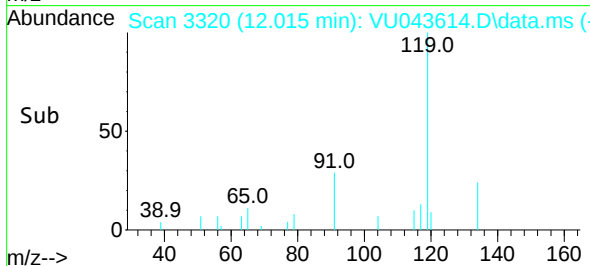
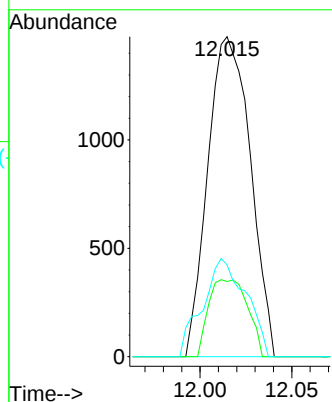
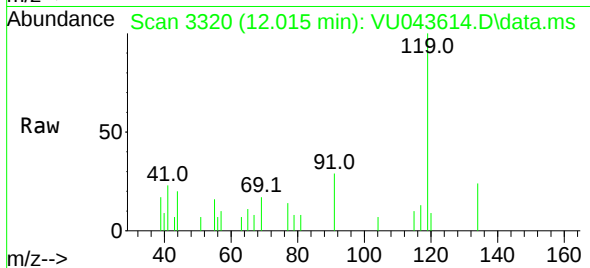




#86
p-Isopropyltoluene
Concen: 1.79 ug/l
RT: 12.015 min Scan# 3320
Delta R.T. 0.216 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

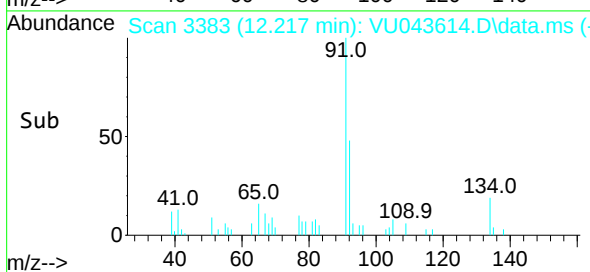
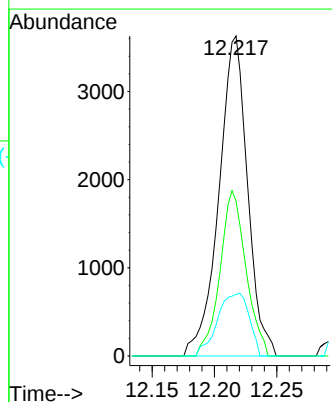
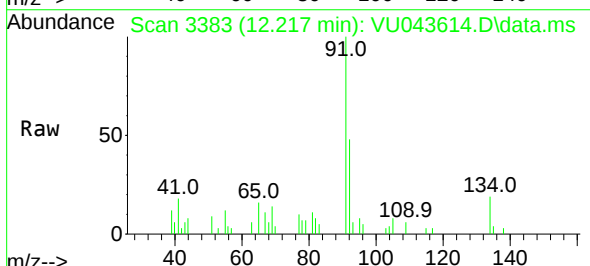
Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW

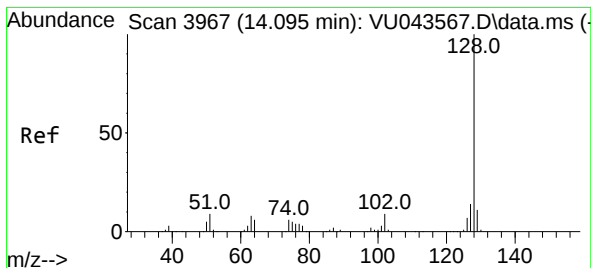
Tgt Ion:	119	Resp:	2378
Ion	Ratio	Lower	Upper
119	100		
134	22.0	12.7	38.0
91	31.2	13.3	39.9



#89
n-Butylbenzene
Concen: 3.30 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

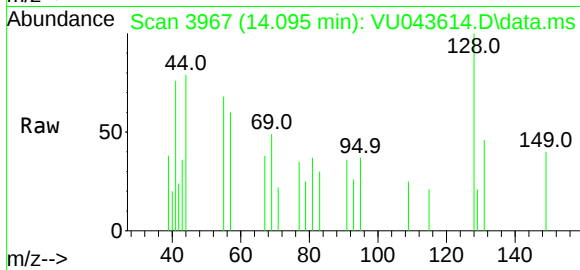
Tgt Ion:	91	Resp:	5801
Ion	Ratio	Lower	Upper
91	100		
92	46.9	25.4	76.2
134	21.6	11.3	33.9





#95
Naphthalene
Concen: 1.60 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU043614.D
Acq: 07 May 2021 15:54

Instrument :
MSVOA_U
ClientSampleId :
OWL-C5-GW



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	8.4	8.6	12.8#

