

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050721\
 Data File : VU043615.D
 Acq On : 07 May 2021 16:17
 Operator : SY/MD
 Sample : M2304-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OWL-C6-GW

Quant Time: May 08 01:10:31 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)

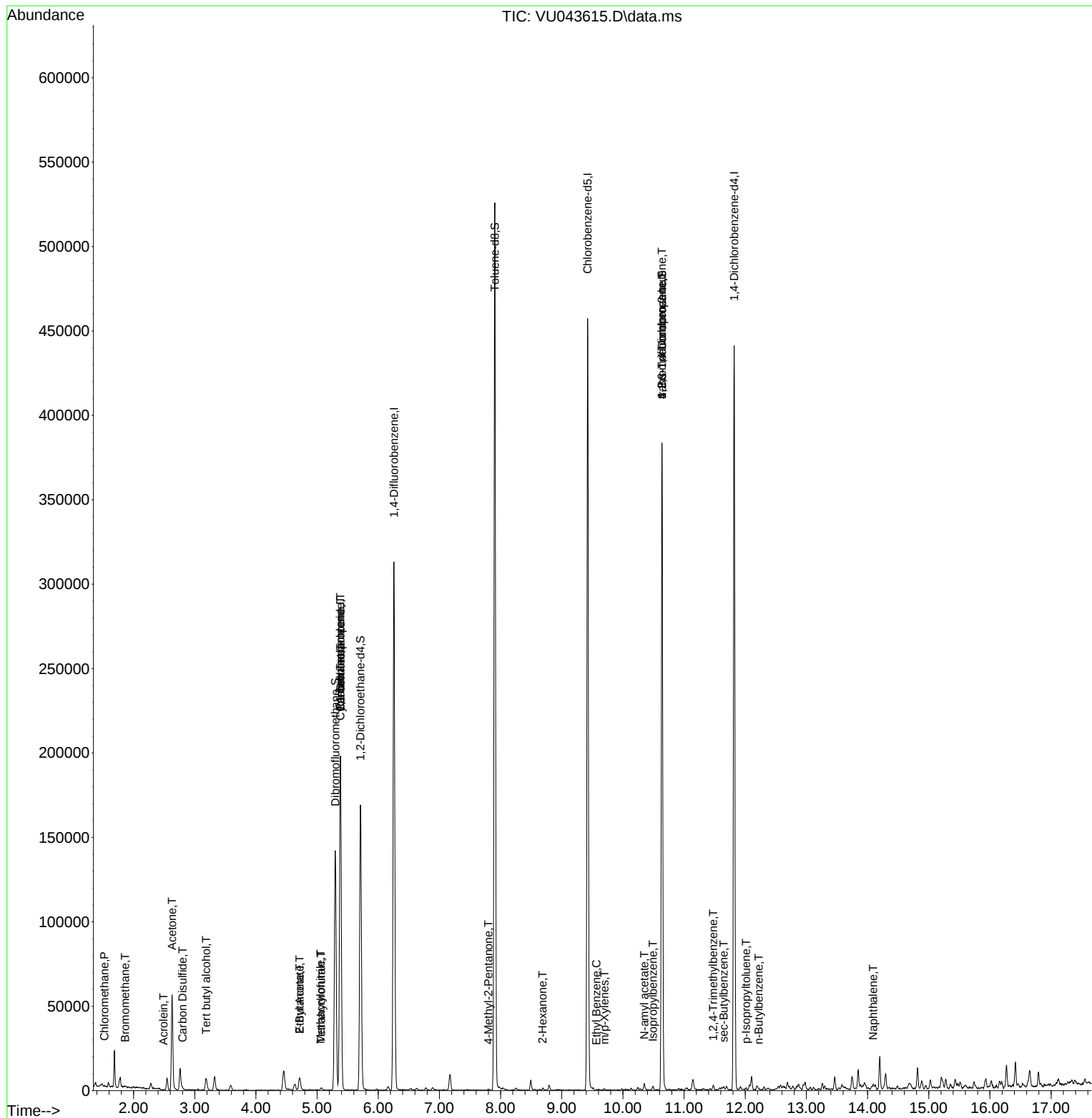
Internal Standards						
1) Pentafluorobenzene	5.382	168	127172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	226997	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	220578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	102865	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	127777	49.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.26%	
35) Dibromofluoromethane	5.298	113	86871	47.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.98%	
50) Toluene-d8	7.906	98	317628	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	10.639	95	114323	46.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.62%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	543	0.54	ug/l	96
5) Bromomethane	1.861	94	228	0.20	ug/l #	80
11) Tert butyl alcohol	3.186	59	6683	9.68	ug/l	95
13) Acrolein	2.491	56	140	6.49	ug/l #	54
16) Acetone	2.629	43	62699	43.88	ug/l	99
17) Carbon Disulfide	2.800	76	1443	0.31	ug/l #	90
25) 2-Butanone	4.713	43	12099	5.49	ug/l	94
29) Tetrahydrofuran	5.067	42	860	0.69	ug/l #	71
31) Cyclohexane	5.379	56	3686	1.20	ug/l #	4
36) 1,1-Dichloropropene	5.382	75	11902	4.62	ug/l #	51
37) Ethyl Acetate	4.713	43	12099	2.77	ug/l #	72
38) Carbon Tetrachloride	5.382	117	13559	5.19	ug/l #	16
41) Methacrylonitrile	5.060	41	230	1.97	ug/l #	25
51) 4-Methyl-2-Pentanone	7.800	43	564	19.28	ug/l #	41
59) 2-Hexanone	8.687	43	963	20.92	ug/l	93
67) Ethyl Benzene	9.568	91	115	1.46	ug/l #	45
68) m/p-Xylenes	9.700	106	134	2.37	ug/l	81
73) Isopropylbenzene	10.491	105	1486	0.20	ug/l	87
74) N-amyl acetate	10.349	43	944	2.68	ug/l #	44
76) 1,2,3-Trichloropropane	10.639	75	65002	19.87	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.639	75	65002	64.72	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.478	105	985	1.25	ug/l #	33
85) sec-Butylbenzene	11.648	105	1292	1.49	ug/l #	76
86) p-Isopropyltoluene	12.012	119	684	1.56	ug/l	91
89) n-Butylbenzene	12.221	91	358	2.58	ug/l #	63
95) Naphthalene	14.092	128	2413	1.79	ug/l #	87

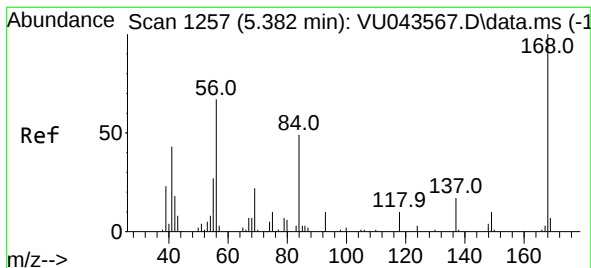
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 08 01:10:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260
QLast Update : Thu May 06 07:26:23 2021
Response via : Initial Calibration

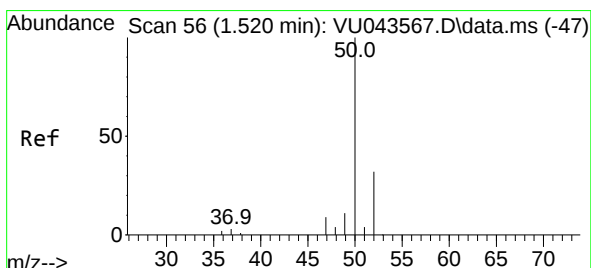
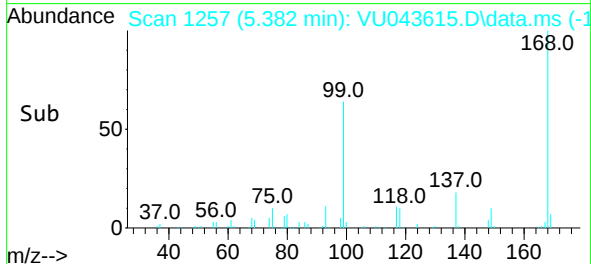
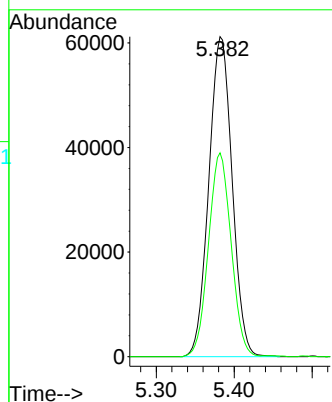
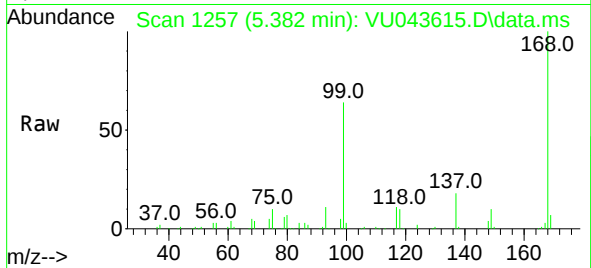




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

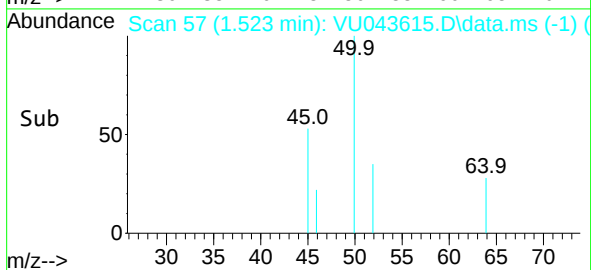
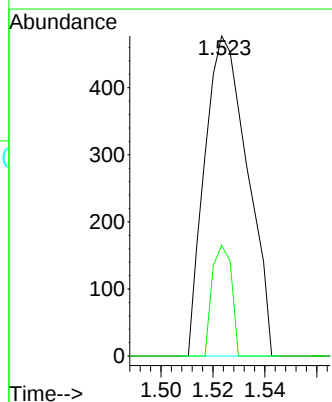
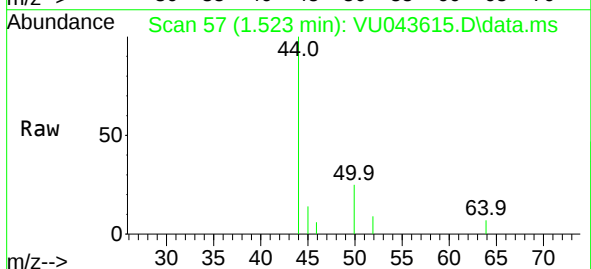
Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW

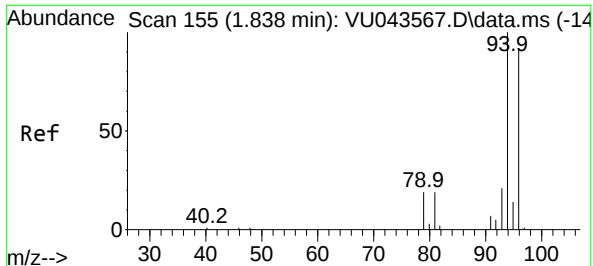
Tgt Ion:168 Resp: 127172
Ion Ratio Lower Upper
168 100
99 63.7 49.0 73.6



#3
Chloromethane
Concen: 0.54 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

Tgt Ion: 50 Resp: 543
Ion Ratio Lower Upper
50 100
52 34.6 25.9 38.9





#5

Bromomethane

Concen: 0.20 ug/l

RT: 1.861 min Scan# 162

Delta R.T. 0.023 min

Lab File: VU043615.D

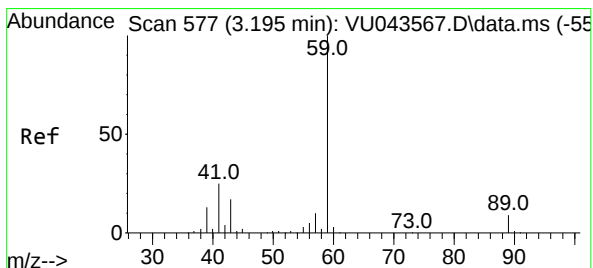
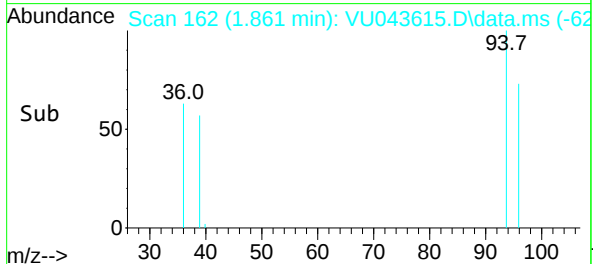
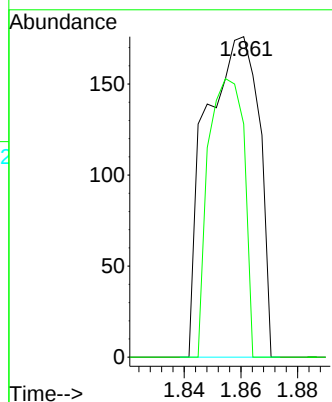
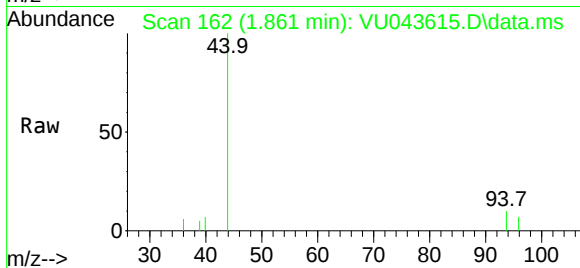
Acq: 07 May 2021 16:17

Tgt Ion: 94 Resp: 228

Ion Ratio Lower Upper

94 100

96 72.7 73.3 109.9#



#11

Tert butyl alcohol

Concen: 9.68 ug/l

RT: 3.186 min Scan# 574

Delta R.T. -0.010 min

Lab File: VU043615.D

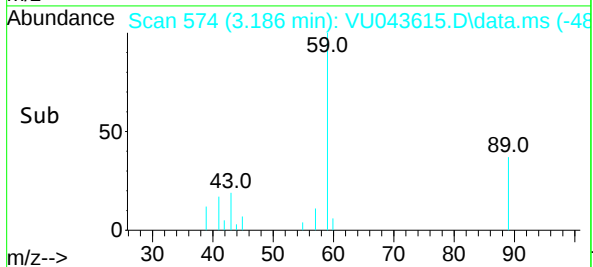
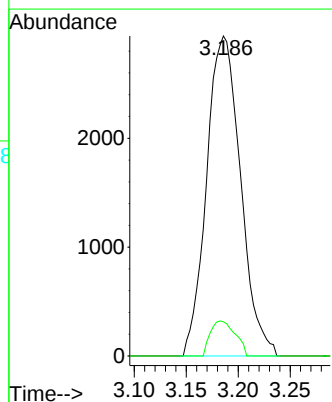
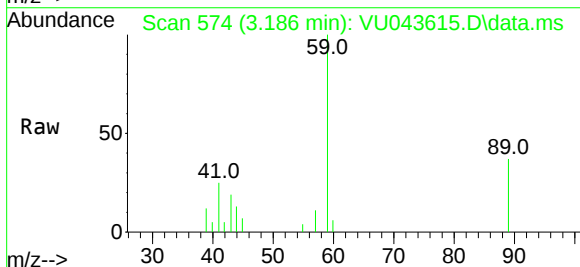
Acq: 07 May 2021 16:17

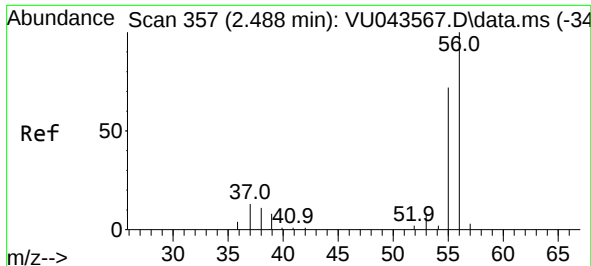
Tgt Ion: 59 Resp: 6683

Ion Ratio Lower Upper

59 100

57 8.0 8.0 12.0

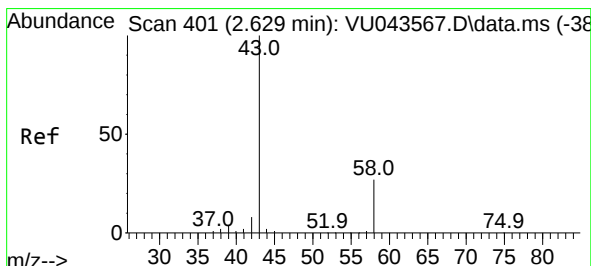
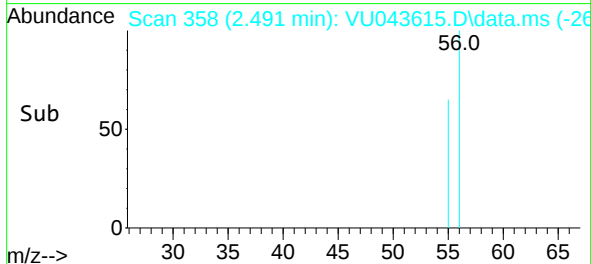
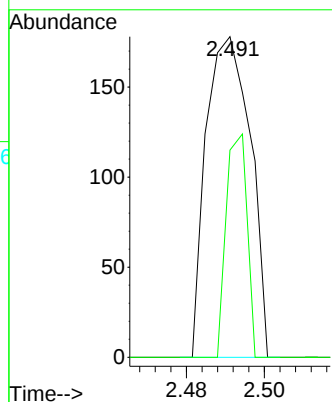
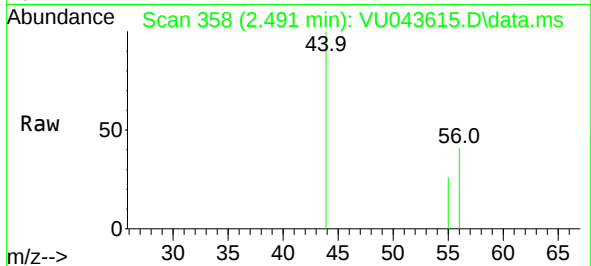




#13
Acrolein
Concen: 6.49 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.003 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

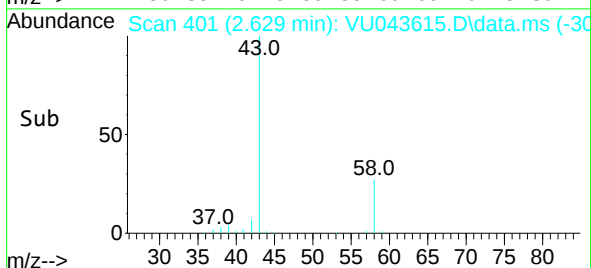
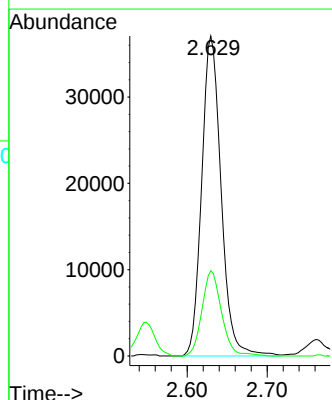
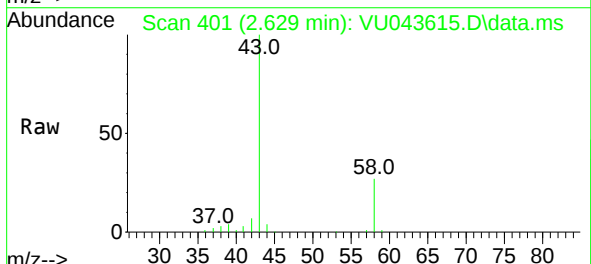
Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW

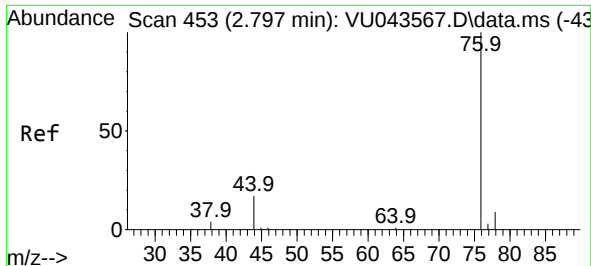
Tgt Ion: 56 Resp: 140
Ion Ratio Lower Upper
56 100
55 32.9 56.9 85.3#



#16
Acetone
Concen: 43.88 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

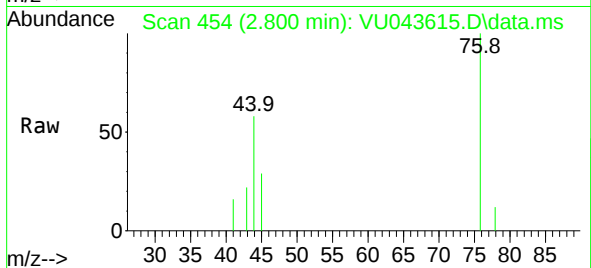
Tgt Ion: 43 Resp: 62699
Ion Ratio Lower Upper
43 100
58 26.7 21.7 32.5



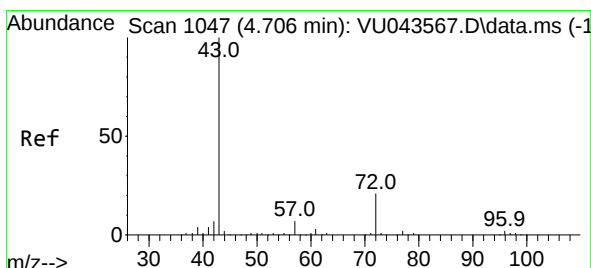
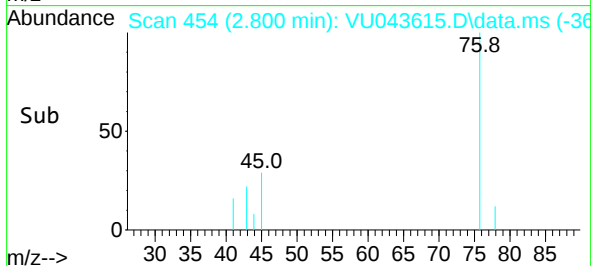
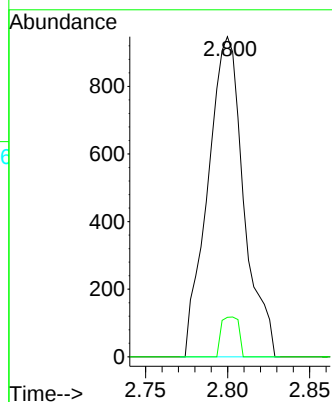


#17
Carbon Disulfide
Concen: 0.31 ug/l
RT: 2.800 min Scan# 454
Delta R.T. 0.003 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW

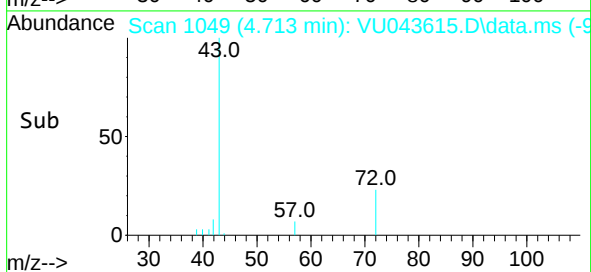
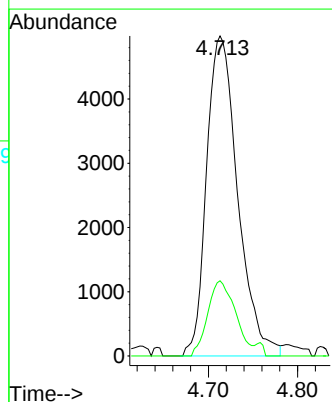
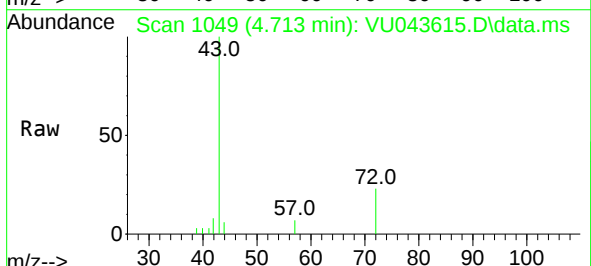


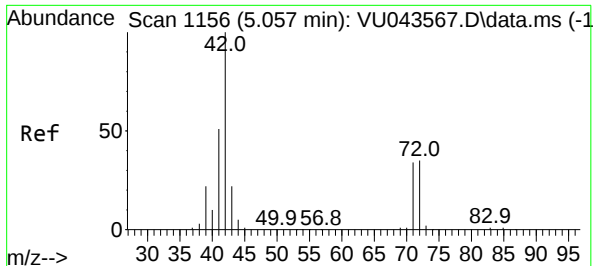
Tgt Ion: 76 Resp: 1443
Ion Ratio Lower Upper
76 100
78 12.4 7.0 10.6#



#25
2-Butanone
Concen: 5.49 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

Tgt Ion: 43 Resp: 12099
Ion Ratio Lower Upper
43 100
72 23.5 16.5 24.7





#29

Tetrahydrofuran

Concen: 0.69 ug/l

RT: 5.067 min Scan# 1159

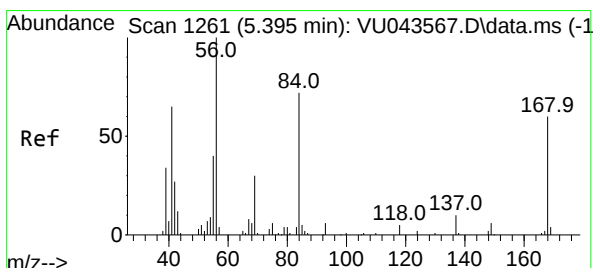
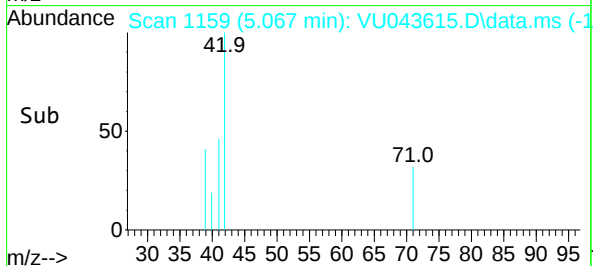
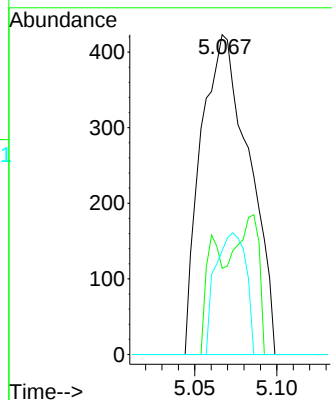
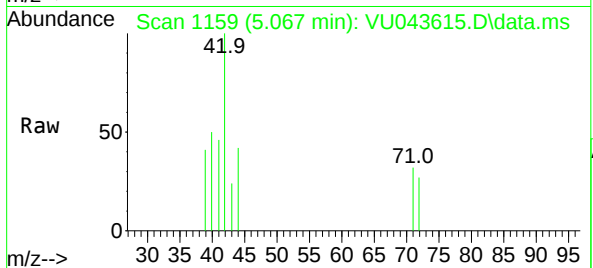
Delta R.T. 0.010 min

Lab File: VU043615.D

Acq: 07 May 2021 16:17

Tgt Ion:	42	Resp:	860
Ion	Ratio	Lower	Upper
42	100		
72	11.9	28.5	42.7#
71	24.1	27.4	41.2#

Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW



#31

Cyclohexane

Concen: 1.20 ug/l

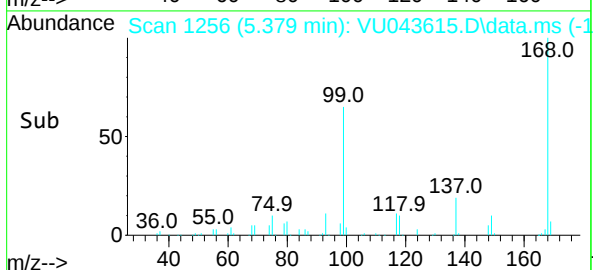
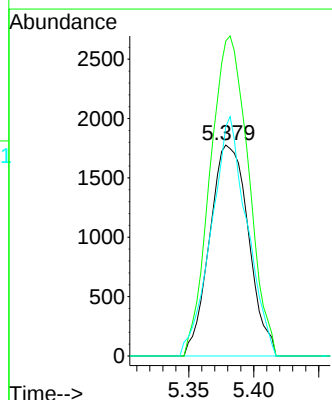
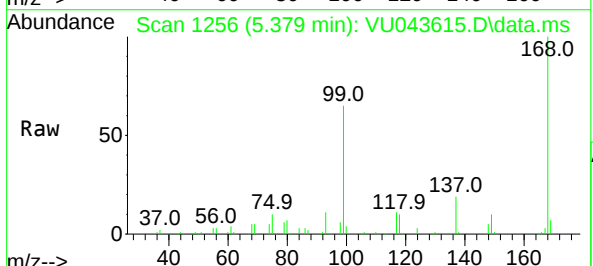
RT: 5.379 min Scan# 1256

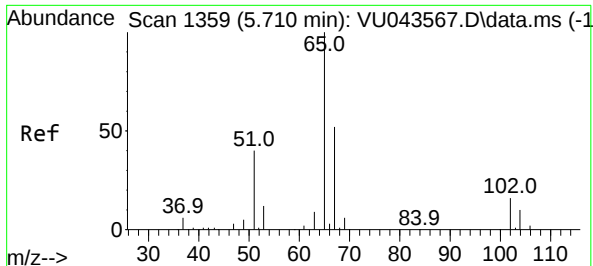
Delta R.T. -0.016 min

Lab File: VU043615.D

Acq: 07 May 2021 16:17

Tgt Ion:	56	Resp:	3686
Ion	Ratio	Lower	Upper
56	100		
69	149.4	23.9	35.9#
84	108.8	57.7	86.5#





#33

1,2-Dichloroethane-d4

Concen: 49.63 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. 0.000 min

Lab File: VU043615.D

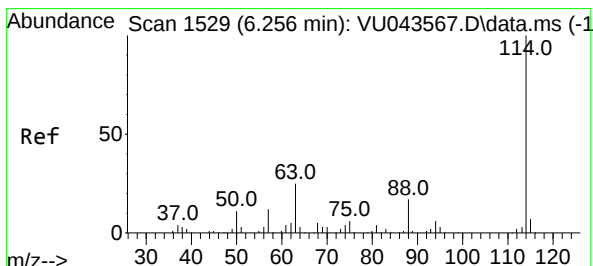
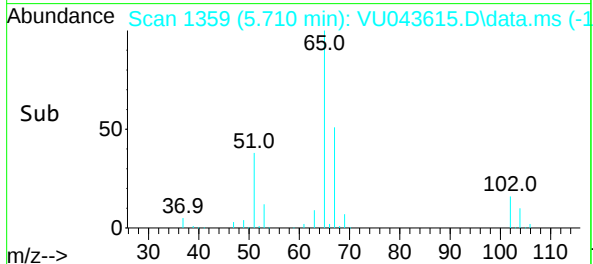
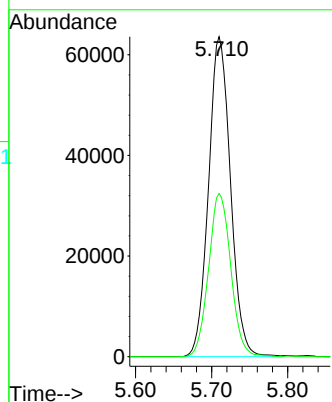
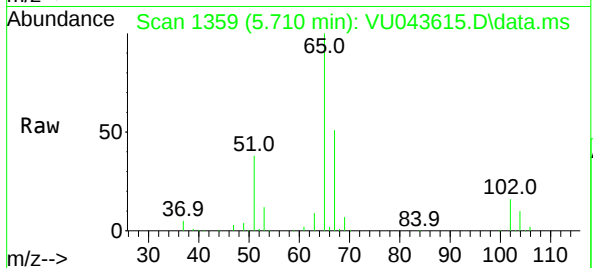
Acq: 07 May 2021 16:17

Tgt Ion: 65 Resp: 127777

Ion Ratio Lower Upper

65 100

67 51.5 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: VU043615.D

Acq: 07 May 2021 16:17

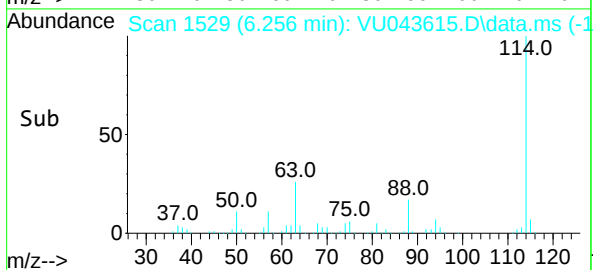
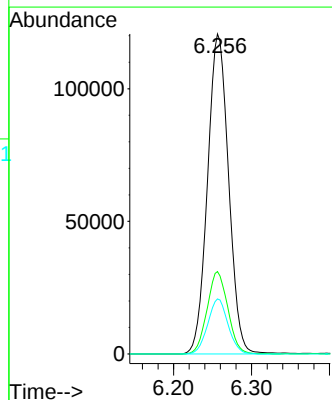
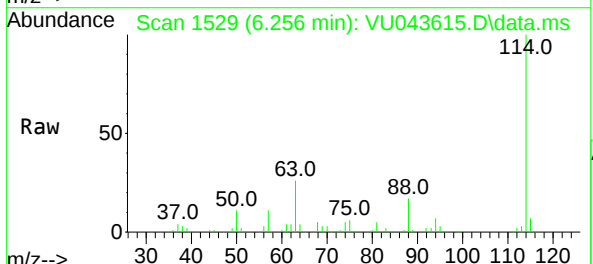
Tgt Ion: 114 Resp: 226997

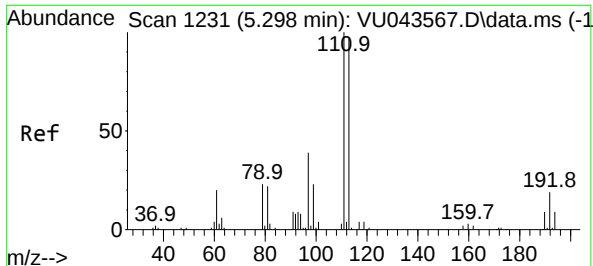
Ion Ratio Lower Upper

114 100

63 25.8 0.0 50.2

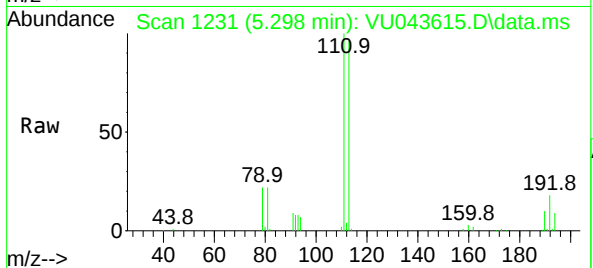
88 17.2 0.0 33.8



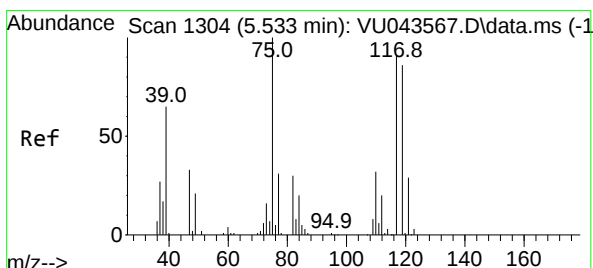
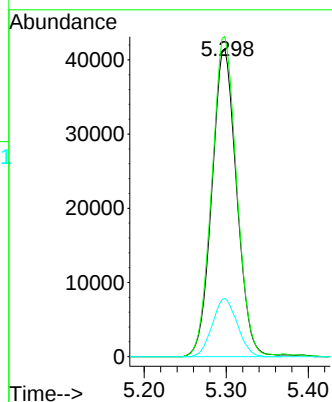
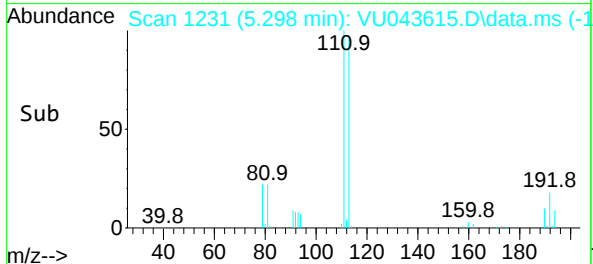


#35
Dibromofluoromethane
Concen: 47.99 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

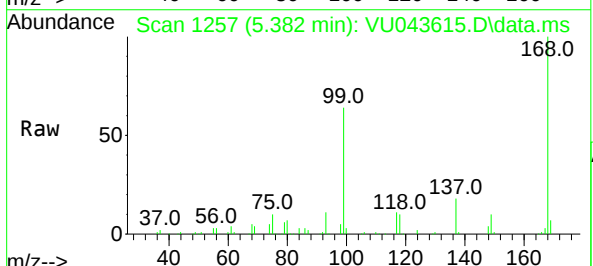
Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW



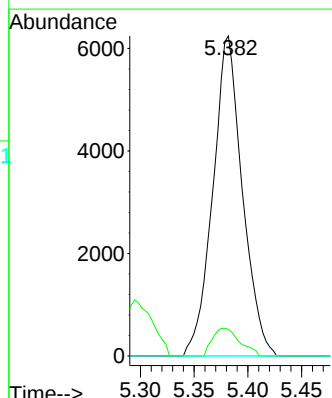
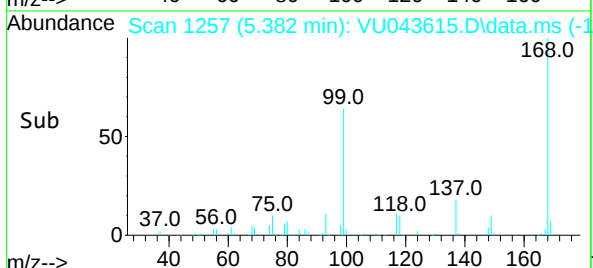
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Ion Ratio Lower Upper
113 100
111 104.6 82.3 123.5
192 19.0 15.8 23.6

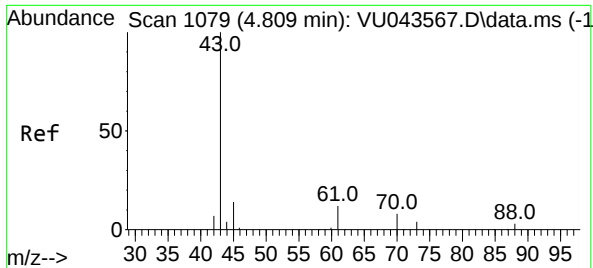


#36
1,1-Dichloropropene
Concen: 4.62 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17



Tgt Ion: 75 Resp: 11902
Ion Ratio Lower Upper
75 100
110 8.0 16.2 48.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.77 ug/l

RT: 4.713 min Scan# 1049

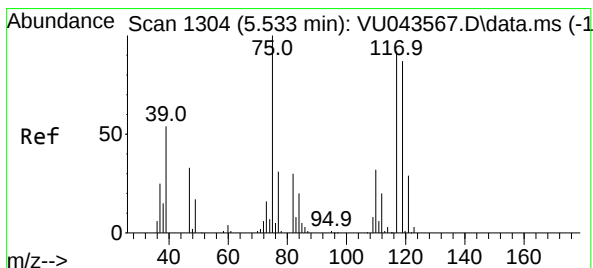
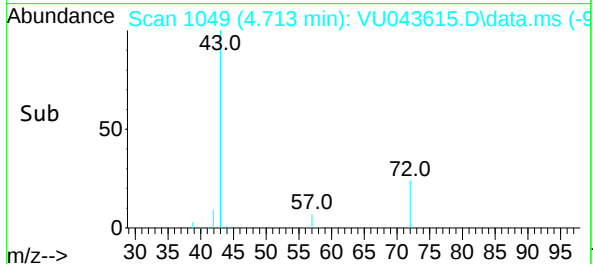
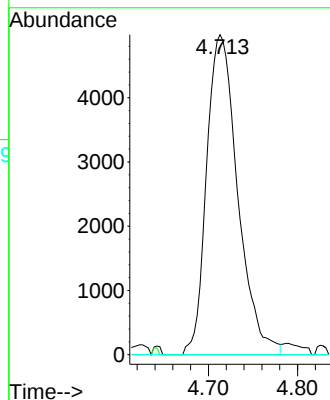
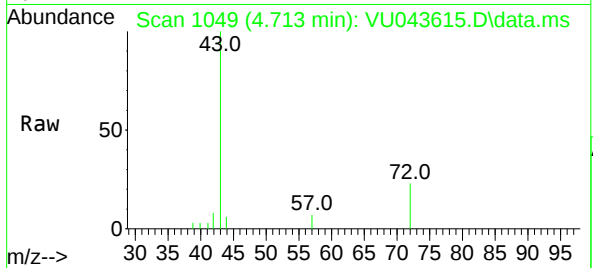
Delta R.T. -0.096 min

Lab File: VU043615.D

Acq: 07 May 2021 16:17

Tgt Ion:	43	Resp:	12099
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	6.5	9.7#

Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW



#38

Carbon Tetrachloride

Concen: 5.19 ug/l

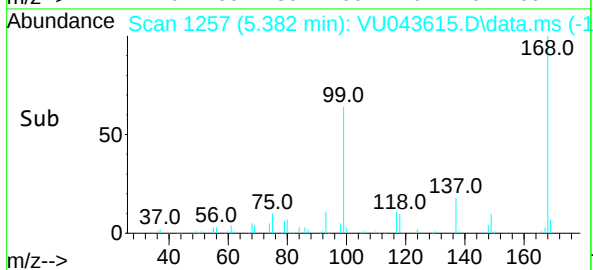
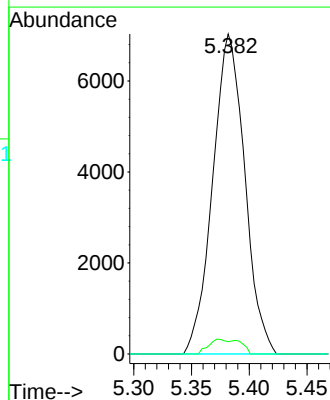
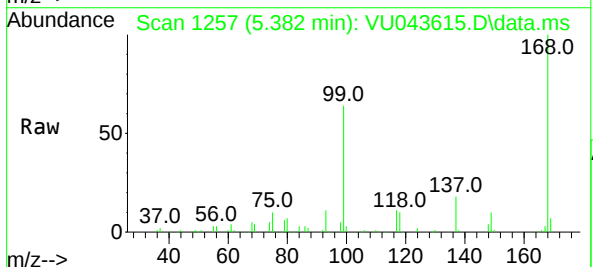
RT: 5.382 min Scan# 1257

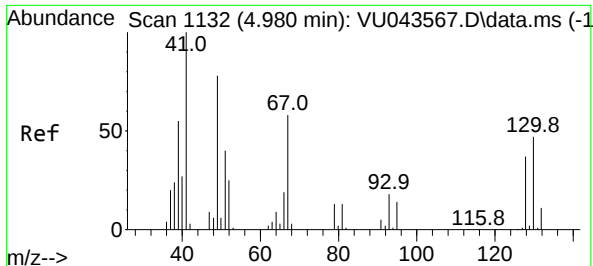
Delta R.T. -0.151 min

Lab File: VU043615.D

Acq: 07 May 2021 16:17

Tgt Ion:	117	Resp:	13559
Ion	Ratio	Lower	Upper
117	100		
119	3.9	75.4	113.0#
121	0.0	25.2	37.8#

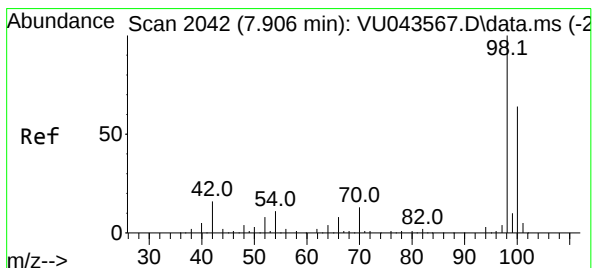
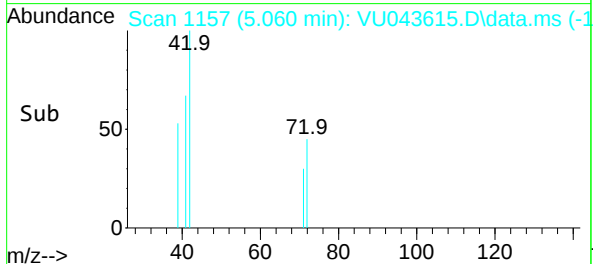
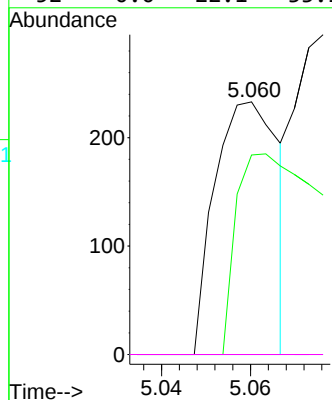
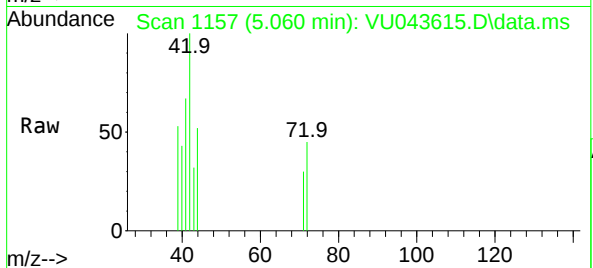




#41
Methacrylonitrile
Concen: 1.97 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. 0.080 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

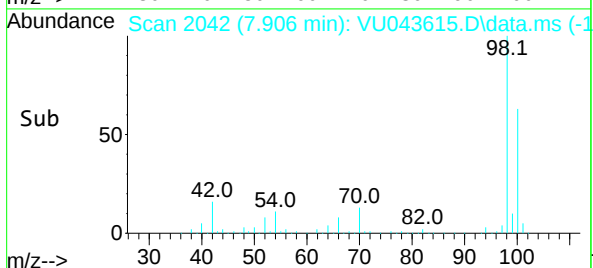
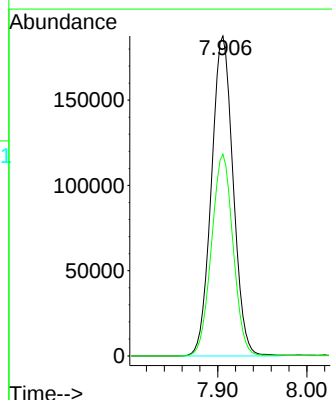
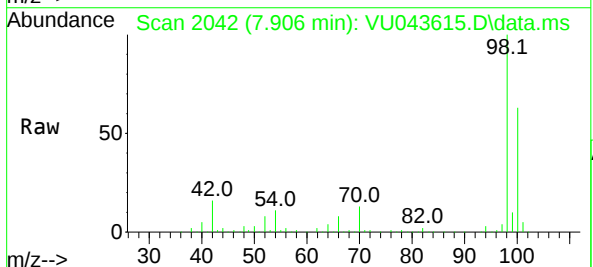
Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW

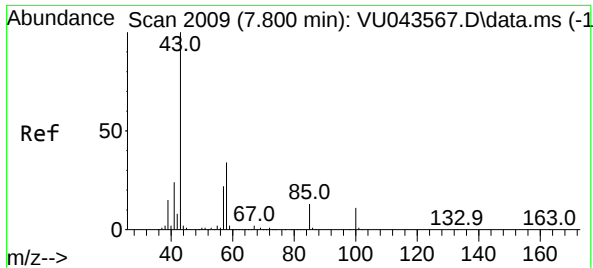
Tgt Ion:	41	Resp:	230
Ion	Ratio	Lower	Upper
41	100		
39	118.7	45.8	68.6#
67	0.0	46.5	69.7#
52	0.0	22.1	33.1#



#50
Toluene-d8
Concen: 49.48 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

Tgt Ion:	98	Resp:	317628
Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.5	75.7

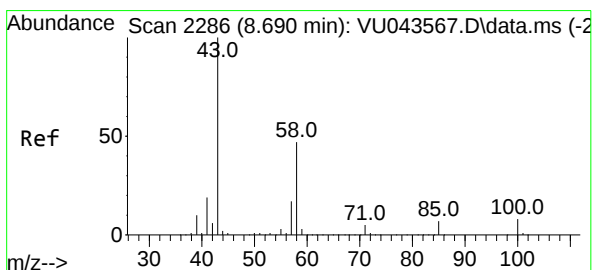
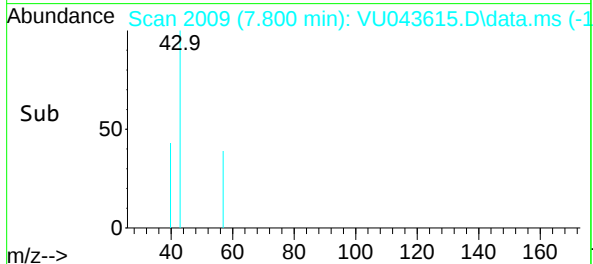
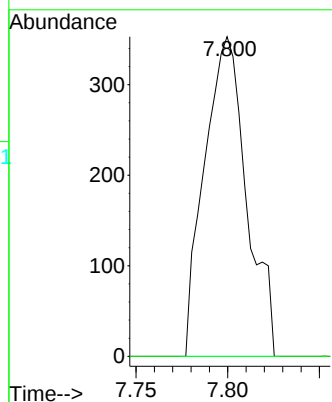
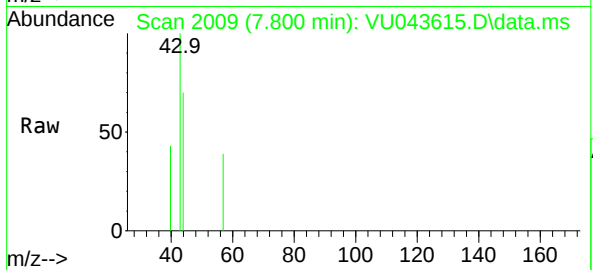




#51
4-Methyl-2-Pentanone
Concen: 19.28 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

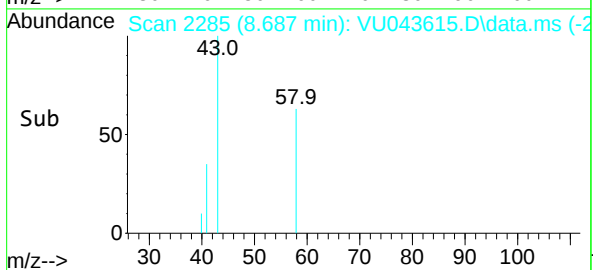
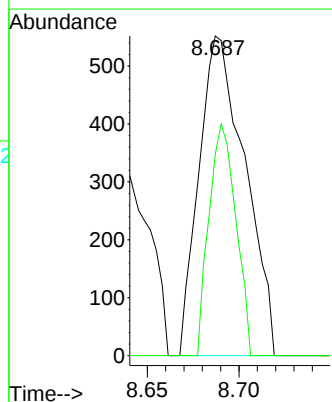
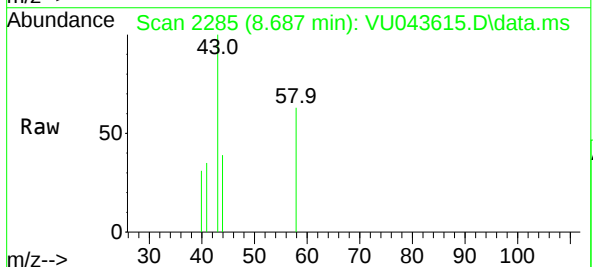
Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW

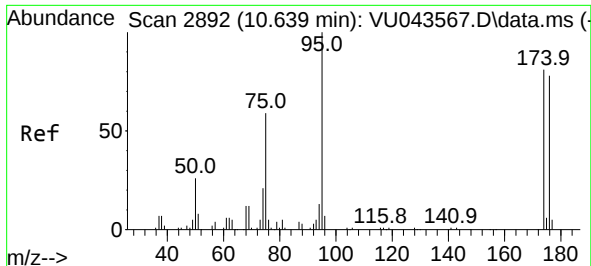
Tgt Ion: 43 Resp: 564
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#



#59
2-Hexanone
Concen: 20.92 ug/l
RT: 8.687 min Scan# 2285
Delta R.T. -0.003 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
58 42.3 23.4 70.2

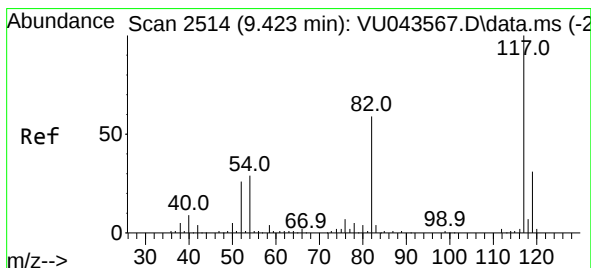
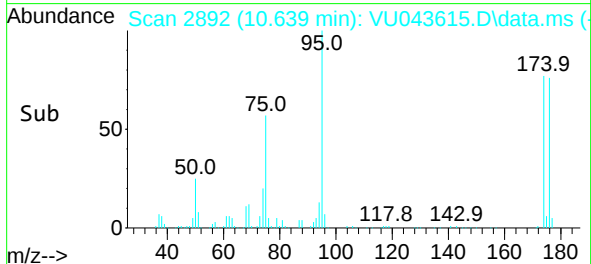
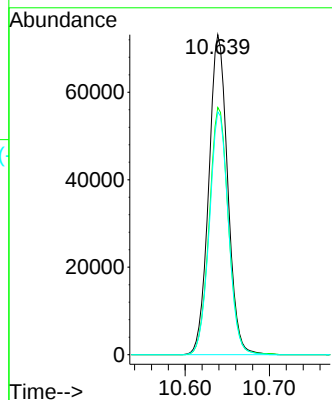
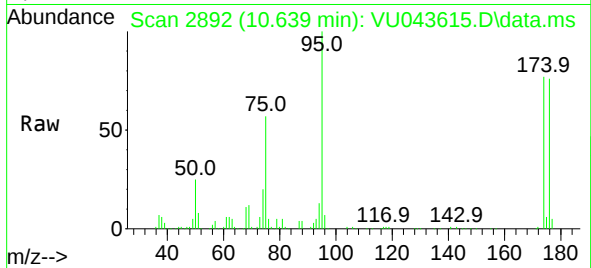




#62
4-Bromofluorobenzene
Concen: 46.81 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

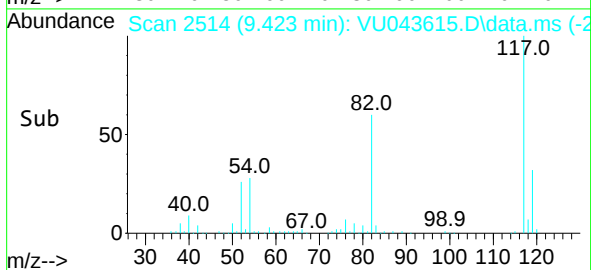
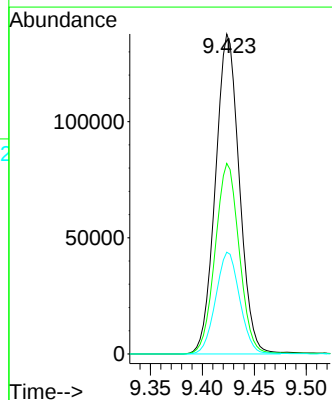
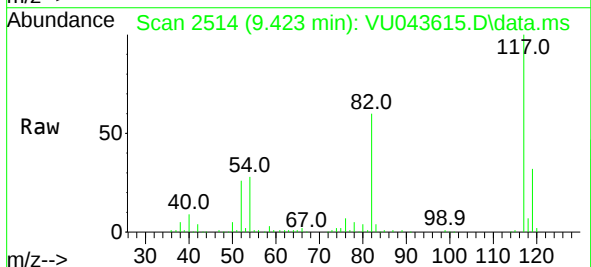
Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW

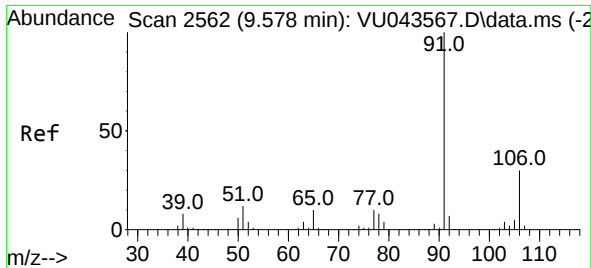
Tgt Ion: 95 Resp: 114323
Ion Ratio Lower Upper
95 100
174 78.3 0.0 158.8
176 76.0 0.0 155.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

Tgt Ion: 117 Resp: 220578
Ion Ratio Lower Upper
117 100
82 59.5 47.5 71.3
119 31.8 24.7 37.1

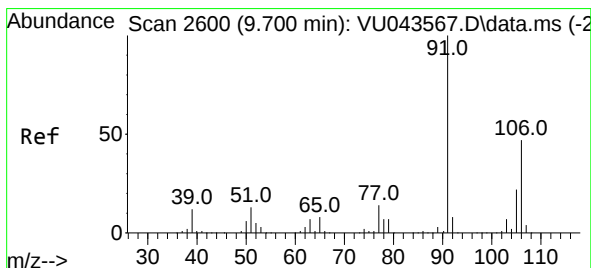
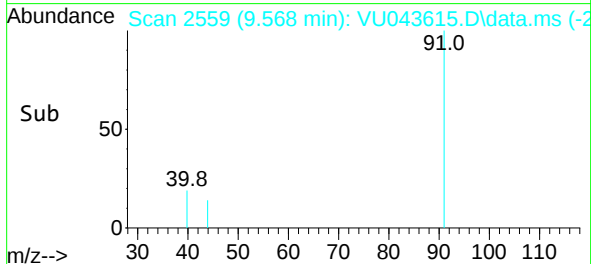
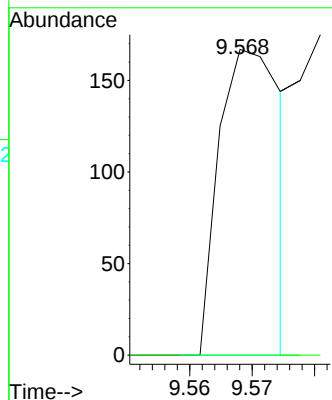
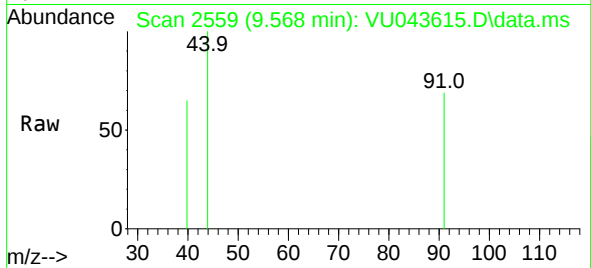




#67
Ethyl Benzene
Concen: 1.46 ug/l
RT: 9.568 min Scan# 2559
Delta R.T. -0.010 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

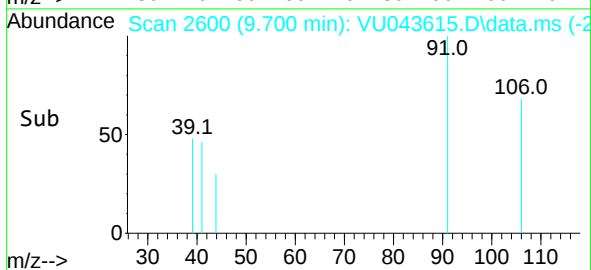
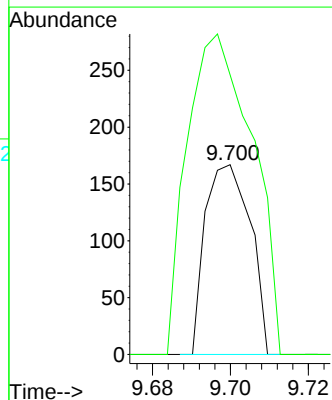
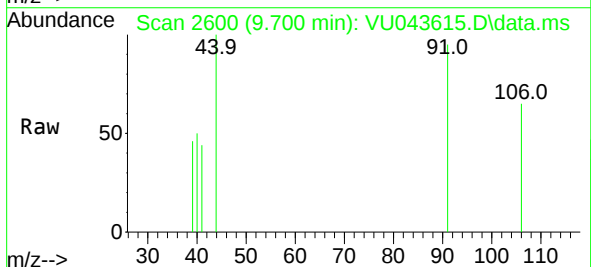
Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW

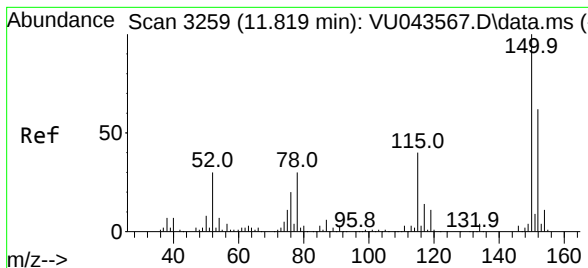
Tgt Ion: 91 Resp: 115
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#



#68
m/p-Xylenes
Concen: 2.37 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

Tgt Ion: 106 Resp: 134
Ion Ratio Lower Upper
106 100
91 244.8 171.7 257.5

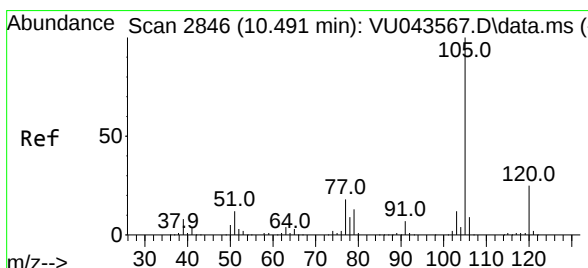
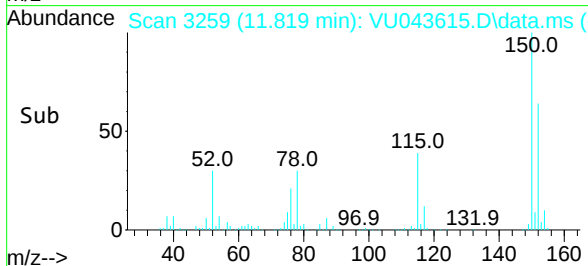
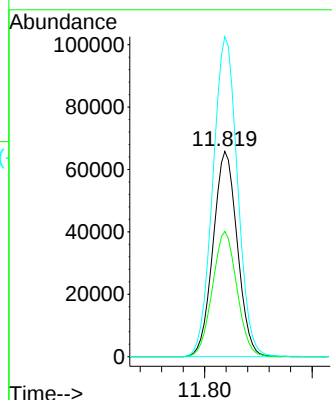
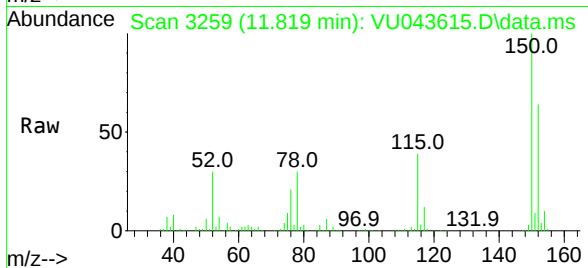




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

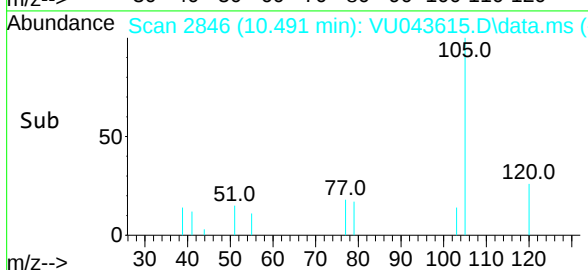
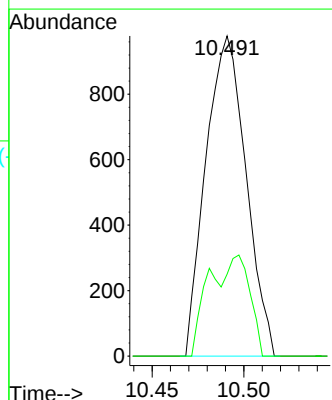
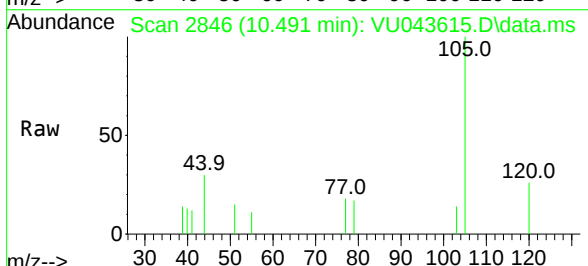
Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW

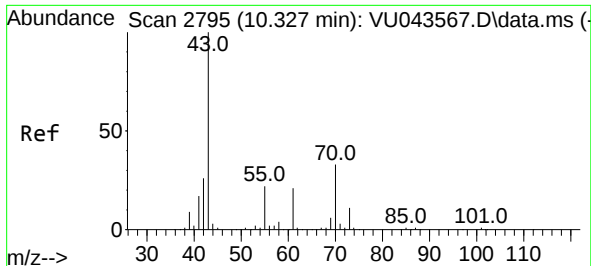
Tgt Ion:152 Resp: 102865
Ion Ratio Lower Upper
152 100
115 61.8 46.1 138.3
150 159.1 0.0 361.0



#73
Isopropylbenzene
Concen: 0.20 ug/l
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

Tgt Ion:105 Resp: 1486
Ion Ratio Lower Upper
105 100
120 18.4 12.6 37.6

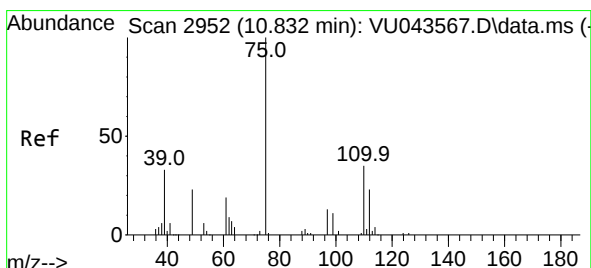
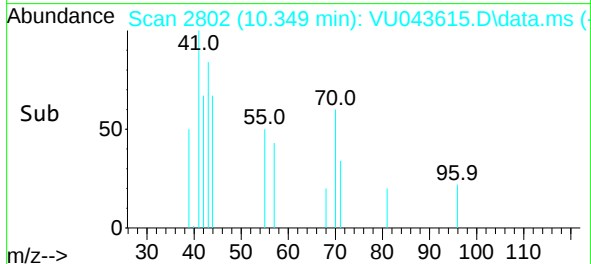
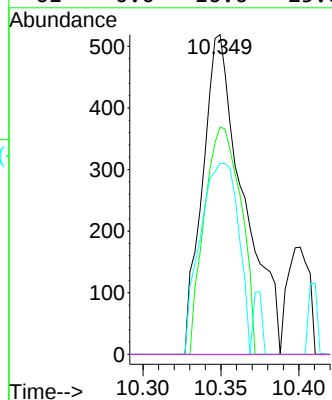
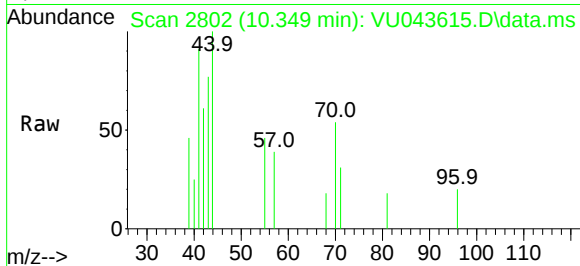




#74
N-amy1 acetate
Concen: 2.68 ug/l
RT: 10.349 min Scan# 2802
Delta R.T. 0.022 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

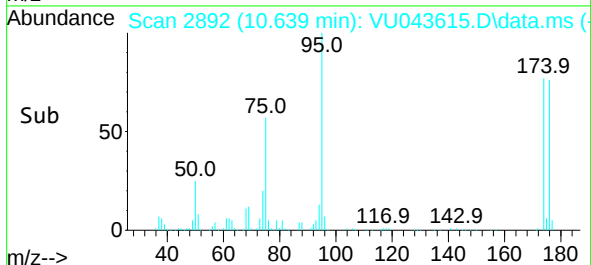
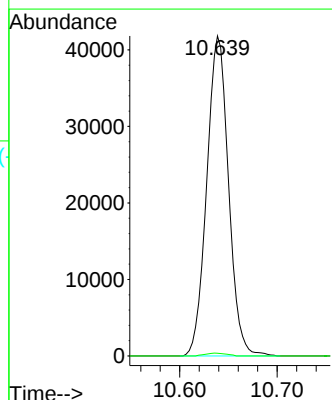
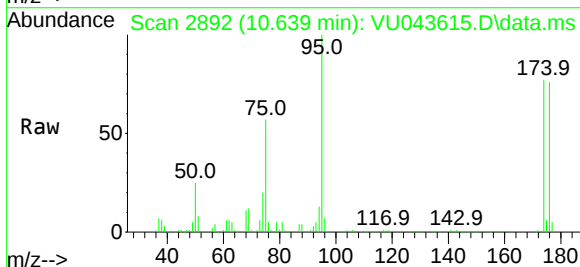
Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW

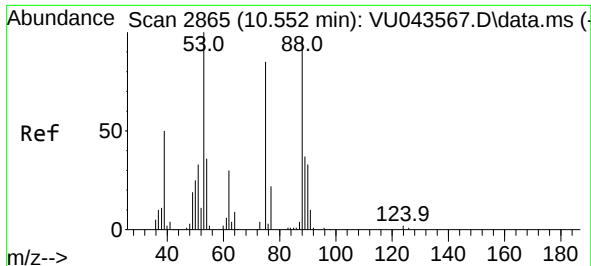
Tgt Ion: 43	Resp: 944
Ion Ratio	Lower Upper
43 100	
70 63.8	26.4 39.6#
55 56.1	18.0 27.0#
61 0.0	16.6 25.0#



#76
1,2,3-Trichloropropane
Concen: 19.87 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

Tgt Ion: 75	Resp: 65002
Ion Ratio	Lower Upper
75 100	
77 0.9	17.1 51.3#

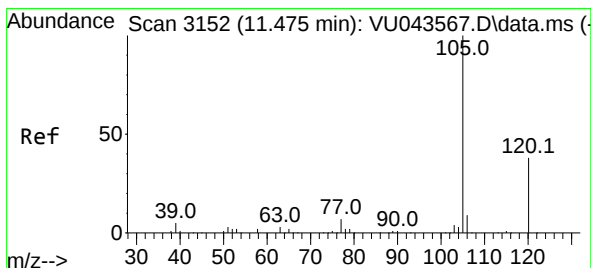
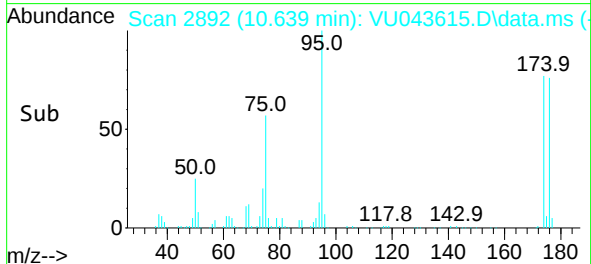
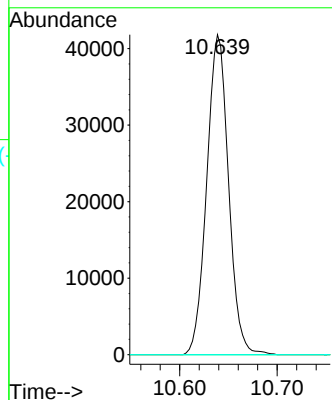
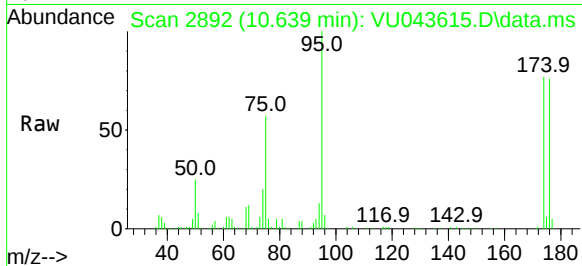




#81
trans-1,4-Dichloro-2-butene
Concen: 64.72 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

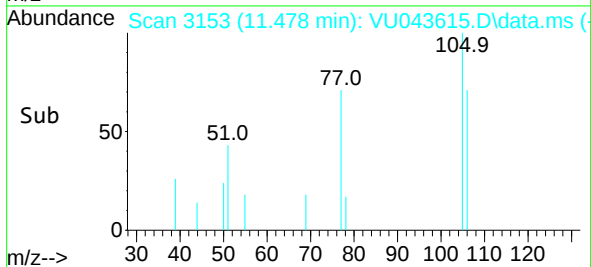
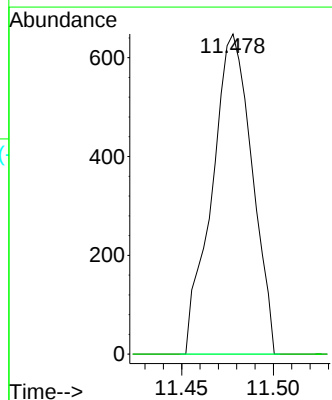
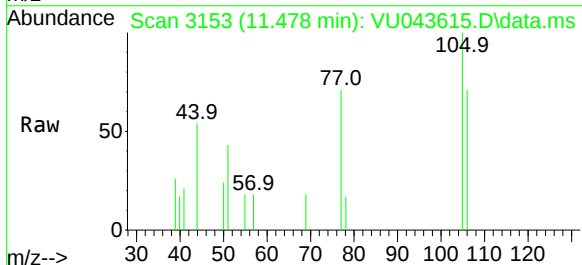
Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW

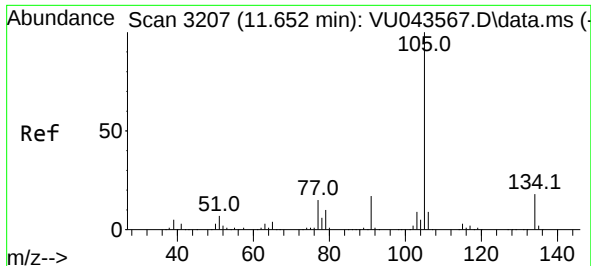
Tgt Ion: 75 Resp: 65002
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#



#84
1,2,4-Trimethylbenzene
Concen: 1.25 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

Tgt Ion: 105 Resp: 985
Ion Ratio Lower Upper
105 100
120 0.0 21.4 64.2#

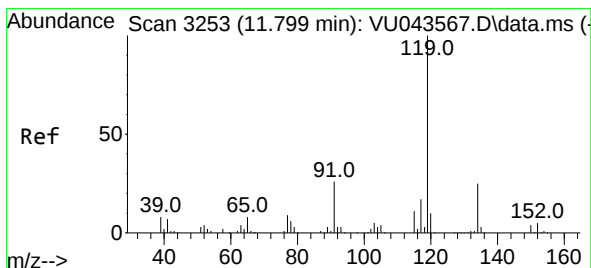
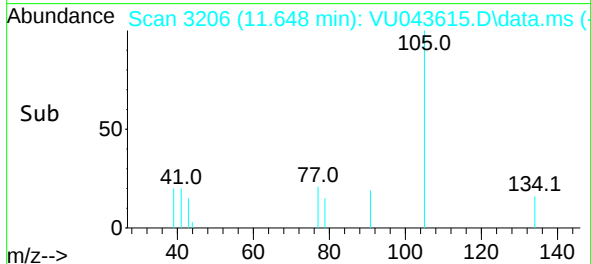
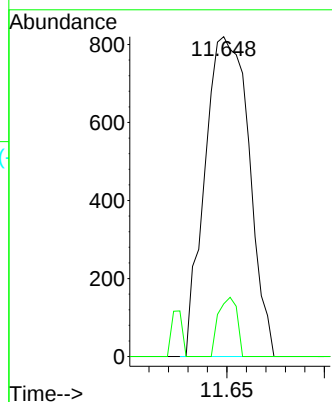
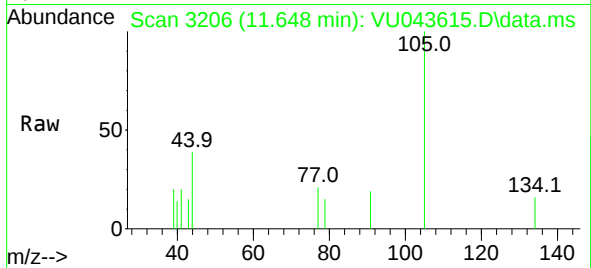




#85
 sec-Butylbenzene
 Concen: 1.49 ug/l
 RT: 11.648 min Scan# 3206
 Delta R.T. -0.004 min
 Lab File: VU043615.D
 Acq: 07 May 2021 16:17

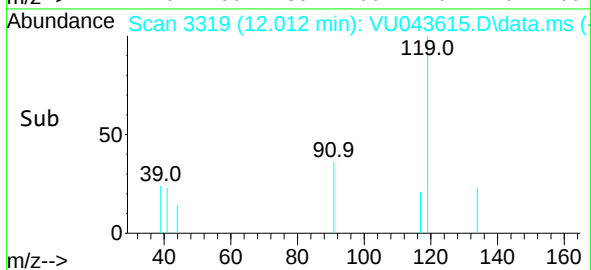
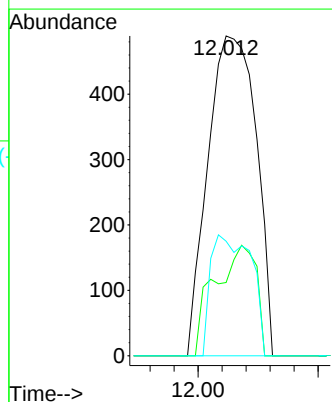
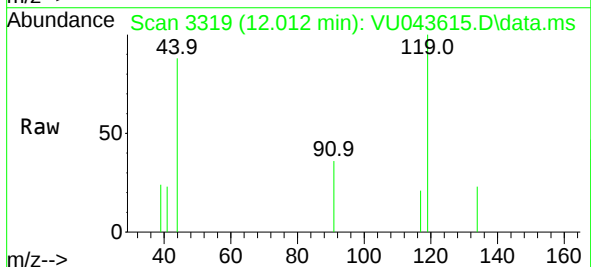
Instrument :
 MSVOA_U
 ClientSampleId :
 OWL-C6-GW

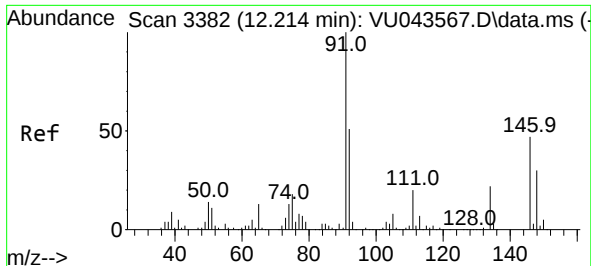
Tgt Ion:105 Resp: 1292
 Ion Ratio Lower Upper
 105 100
 134 7.8 9.2 27.6#



#86
 p-Isopropyltoluene
 Concen: 1.56 ug/l
 RT: 12.012 min Scan# 3319
 Delta R.T. 0.213 min
 Lab File: VU043615.D
 Acq: 07 May 2021 16:17

Tgt Ion:119 Resp: 684
 Ion Ratio Lower Upper
 119 100
 134 29.7 12.7 38.0
 91 31.7 13.3 39.9

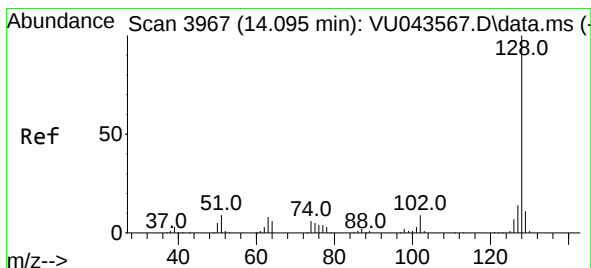
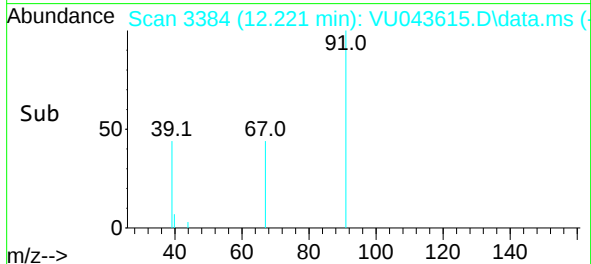
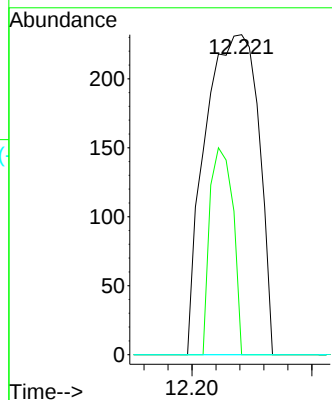
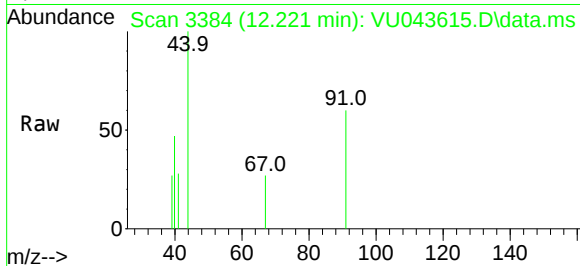




#89
n-Butylbenzene
Concen: 2.58 ug/l
RT: 12.221 min Scan# 3384
Delta R.T. 0.007 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

Instrument :
MSVOA_U
ClientSampleId :
OWL-C6-GW

Tgt Ion: 91 Resp: 358
Ion Ratio Lower Upper
91 100
92 27.9 25.4 76.2
134 0.0 11.3 33.9#



#95
Naphthalene
Concen: 1.79 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. -0.003 min
Lab File: VU043615.D
Acq: 07 May 2021 16:17

Tgt Ion: 128 Resp: 2413
Ion Ratio Lower Upper
128 100
127 6.7 10.7 16.1#
129 13.9 8.6 12.8#

