

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050721\
 Data File : VU043612.D
 Acq On : 07 May 2021 15:07
 Operator : SY/MD
 Sample : M2304-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OWL-C2-GW

Quant Time: May 08 01:09:35 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)

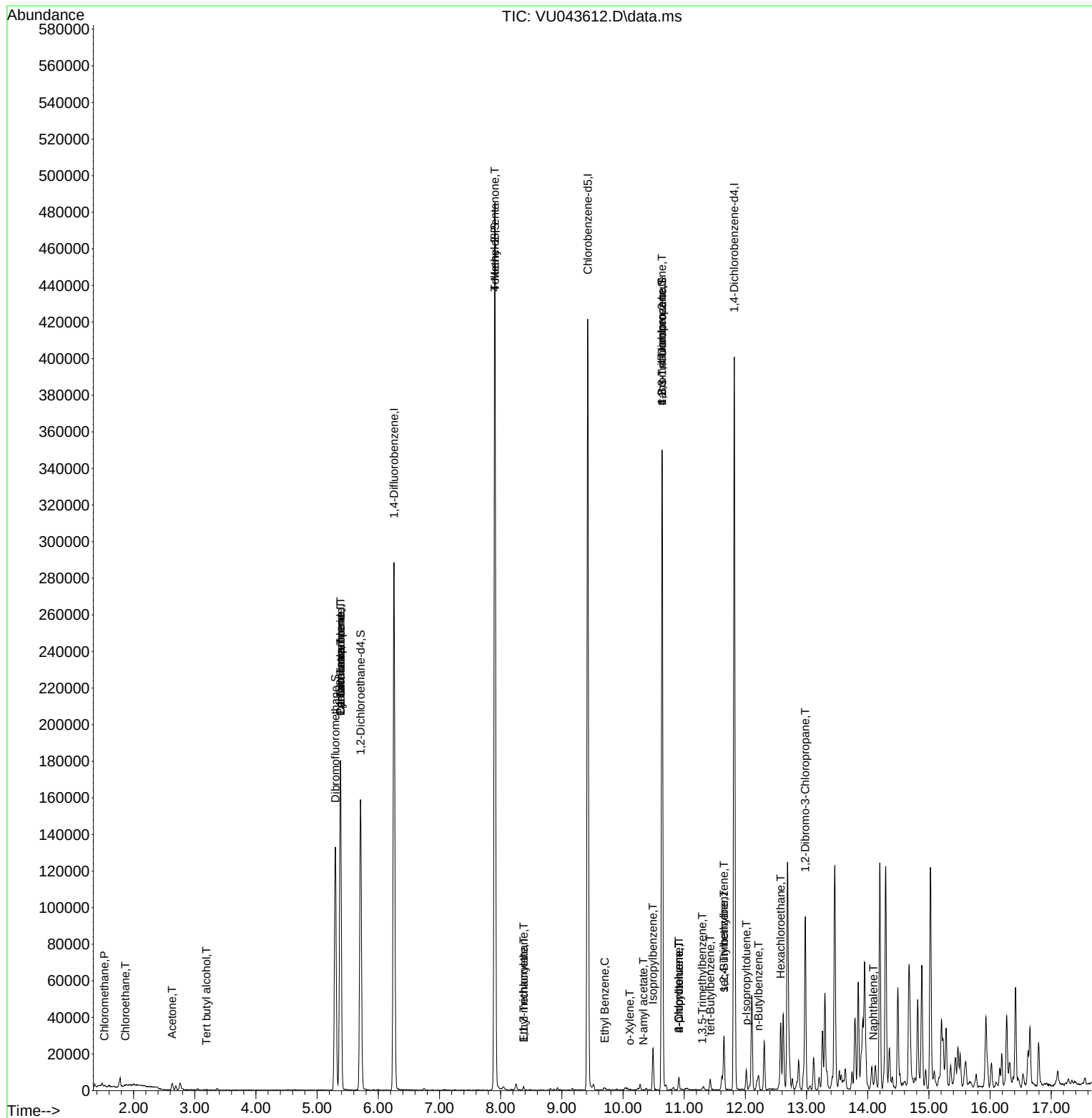
Internal Standards						
1) Pentafluorobenzene	5.382	168	115936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	209504	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	203426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	93315	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	121982	51.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.96%	
35) Dibromofluoromethane	5.298	113	82394	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.62%	
50) Toluene-d8	7.906	98	291917	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	10.639	95	104751	46.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.96%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	518	0.55	ug/l	98
6) Chloroethane	1.864	64	1560	1.32	ug/l #	43
11) Tert butyl alcohol	3.192	59	537	0.85	ug/l #	73
16) Acetone	2.629	43	4622	3.55	ug/l	92
31) Cyclohexane	5.382	56	3163	1.13	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	10600	4.46	ug/l #	51
38) Carbon Tetrachloride	5.382	117	12231	5.07	ug/l #	17
51) 4-Methyl-2-Pentanone	7.906	43	1811	19.53	ug/l #	1
55) 1,1,2-Trichloroethane	8.375	97	524	0.29	ug/l #	13
56) Ethyl methacrylate	8.375	69	43	4.23	ug/l #	1
67) Ethyl Benzene	9.700	91	91	1.46	ug/l #	45
69) o-Xylene	10.111	106	19	1.88	ug/l #	1
73) Isopropylbenzene	10.491	105	12995	1.94	ug/l	99
74) N-amyl acetate	10.330	43	21	2.52	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	60146	20.27	ug/l #	42
78) n-propylbenzene	10.912	91	5340	0.65	ug/l	97
79) 2-Chlorotoluene	10.912	91	5340	1.05	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.295	105	287	0.78	ug/l #	31
81) trans-1,4-Dichloro-2-b...	10.639	75	60146	66.01	ug/l #	3
82) 4-Chlorotoluene	10.912	91	5340	0.92	ug/l #	48
83) tert-Butylbenzene	11.427	119	2591	0.47	ug/l	86
84) 1,2,4-Trimethylbenzene	11.652	105	17553	3.80	ug/l #	33
85) sec-Butylbenzene	11.652	105	17553	3.59	ug/l	99
86) p-Isopropyltoluene	12.015	119	5409	2.28	ug/l	94
89) n-Butylbenzene	12.214	91	3923	3.11	ug/l	96
90) Hexachloroethane	12.578	117	2435	2.60	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	12.980	75	447	0.57	ug/l #	7
95) Naphthalene	14.092	128	2187	1.79	ug/l #	69

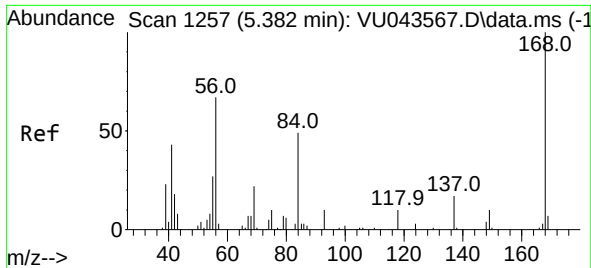
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050721\
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Quant Time: May 08 01:09:35 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

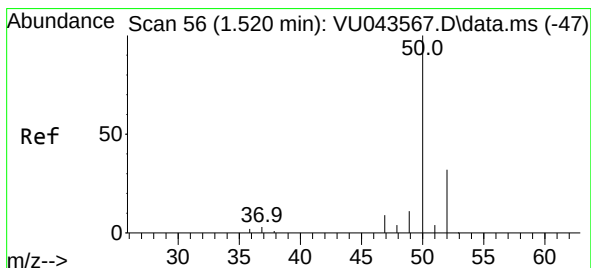
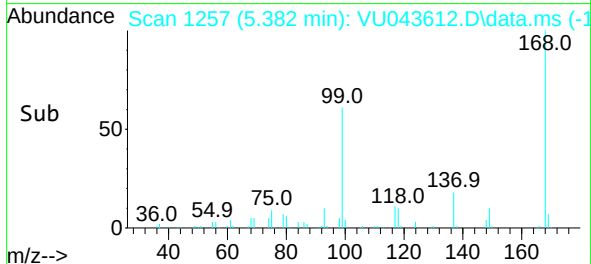
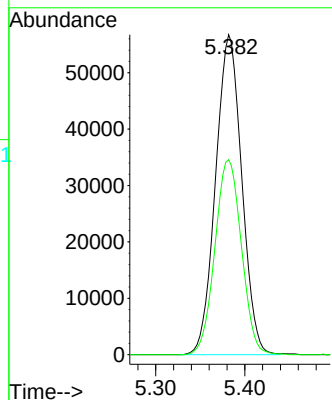
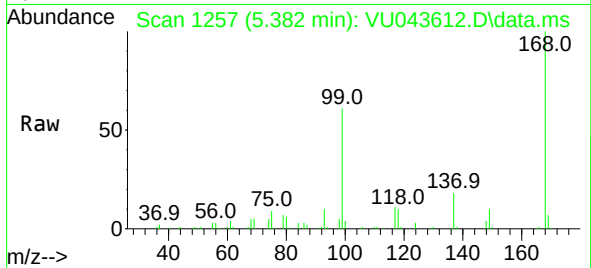




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

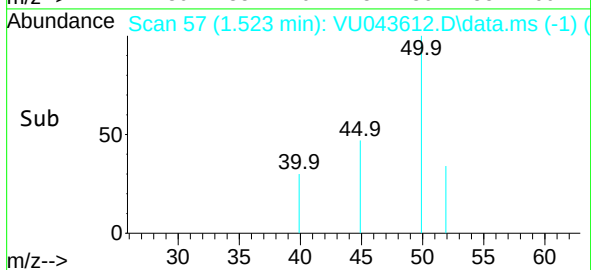
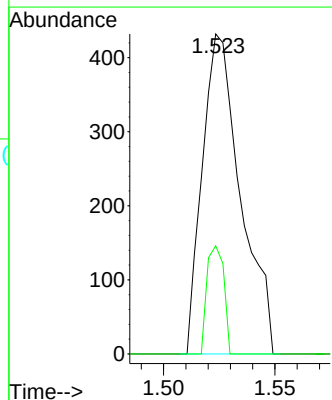
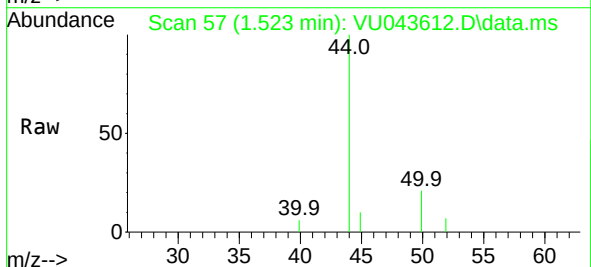
Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

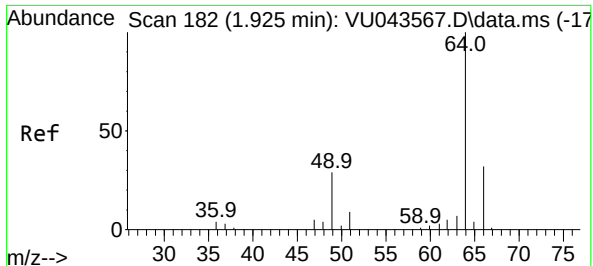
Tgt Ion:168 Resp: 115936
Ion Ratio Lower Upper
168 100
99 61.0 49.0 73.6



#3
Chloromethane
Concen: 0.55 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion: 50 Resp: 518
Ion Ratio Lower Upper
50 100
52 33.8 25.9 38.9

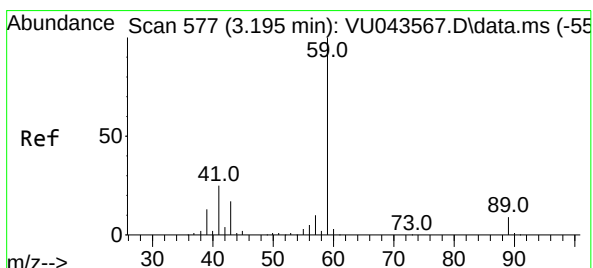
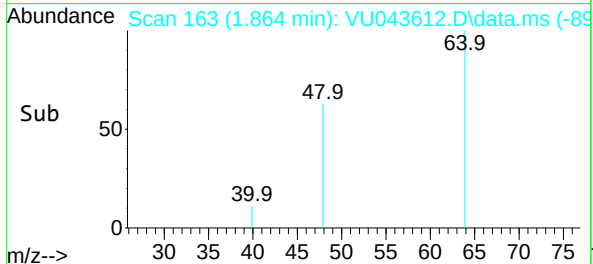
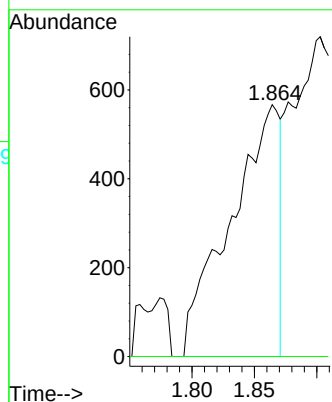
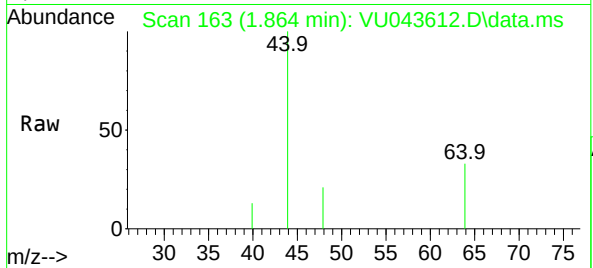




#6
Chloroethane
Concen: 1.32 ug/l
RT: 1.864 min Scan# 163
Delta R.T. -0.061 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

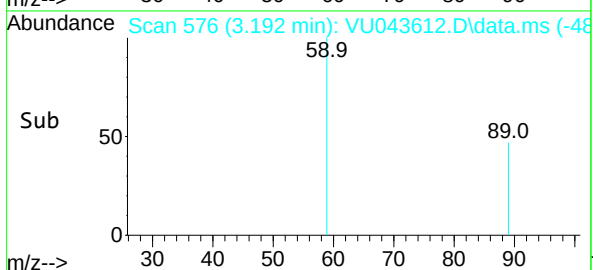
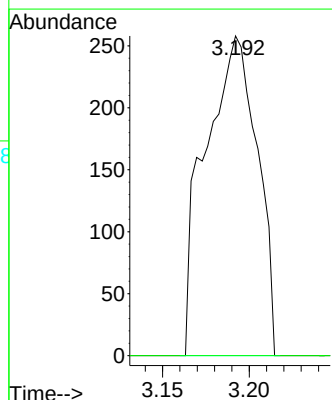
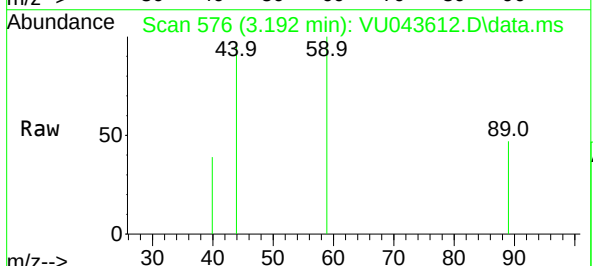
Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

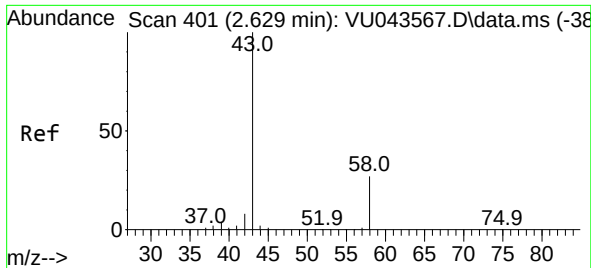
Tgt Ion: 64 Resp: 1560
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



#11
Tert butyl alcohol
Concen: 0.85 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion: 59 Resp: 537
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

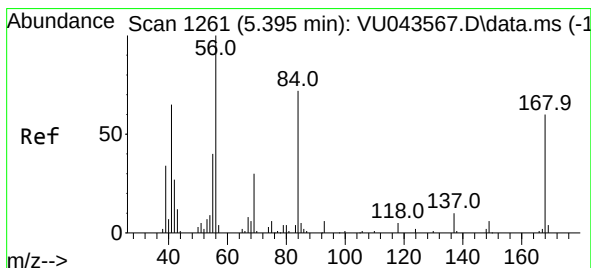
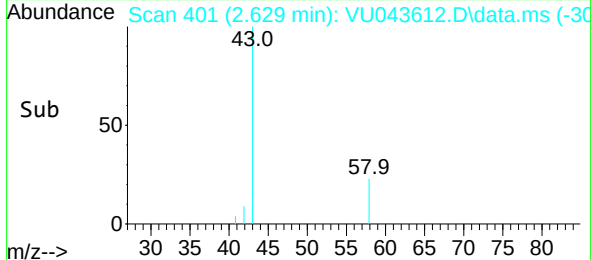
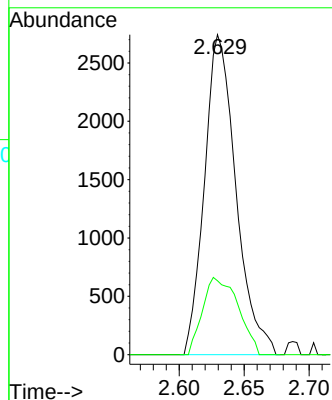
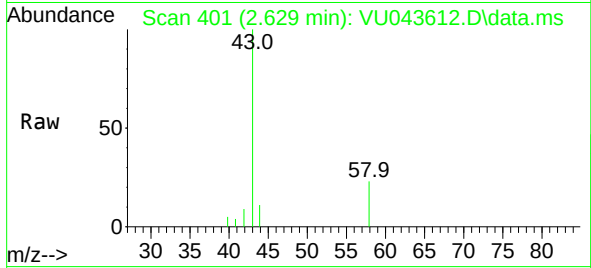




#16
Acetone
Concen: 3.55 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

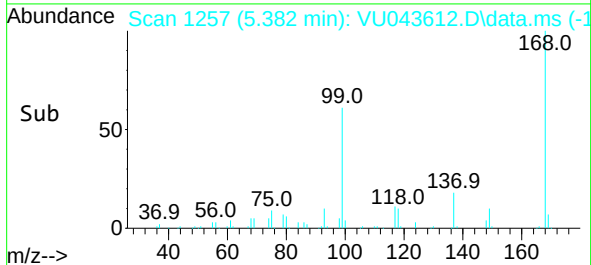
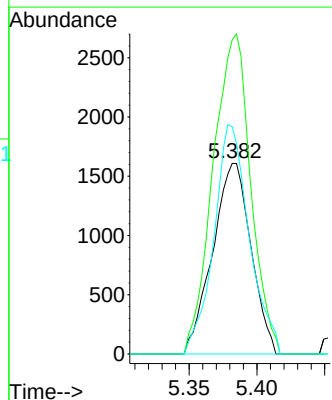
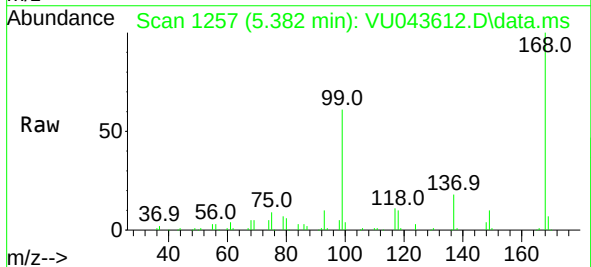
Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

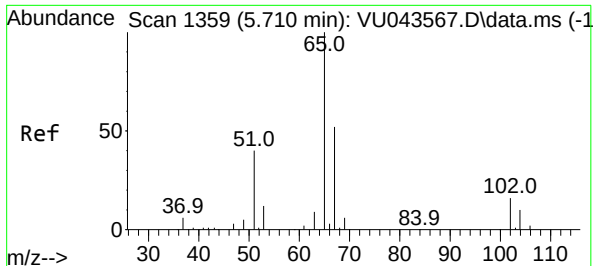
Tgt Ion: 43 Resp: 4622
Ion Ratio Lower Upper
43 100
58 23.1 21.7 32.5



#31
Cyclohexane
Concen: 1.13 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion: 56 Resp: 3163
Ion Ratio Lower Upper
56 100
69 164.8 23.9 35.9#
84 119.2 57.7 86.5#





#33

1,2-Dichloroethane-d4

Concen: 51.98 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. 0.000 min

Lab File: VU043612.D

Acq: 07 May 2021 15:07

Tgt Ion: 65 Resp: 121982

Ion Ratio Lower Upper

65 100

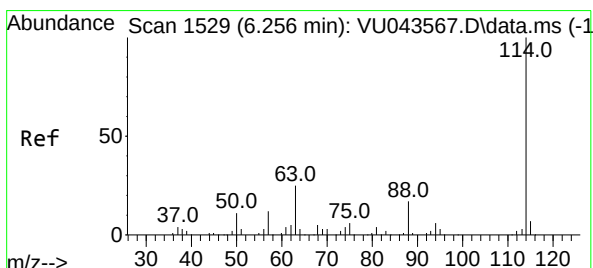
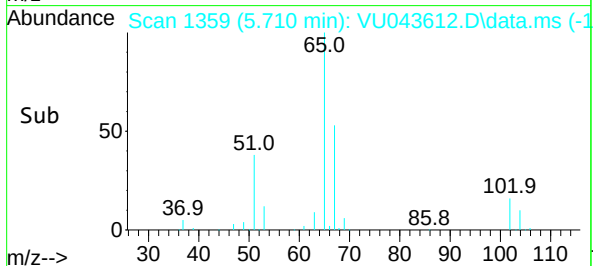
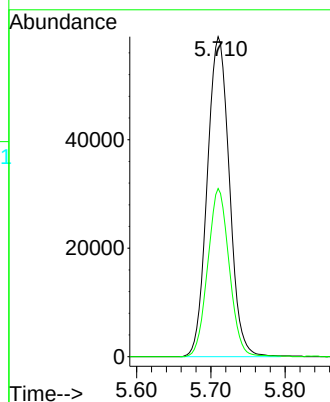
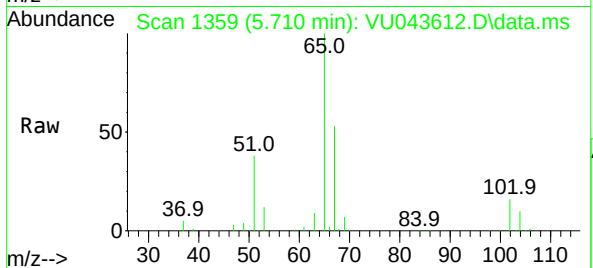
67 51.0 0.0 104.6

Instrument :

MSVOA_U

ClientSampleId :

OWL-C2-GW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043612.D

Acq: 07 May 2021 15:07

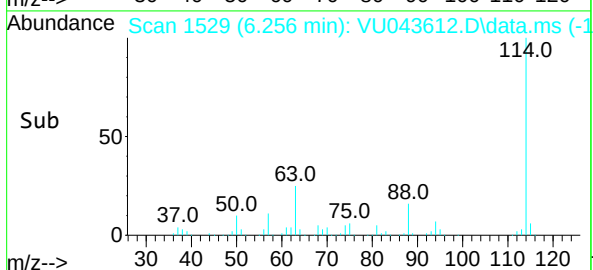
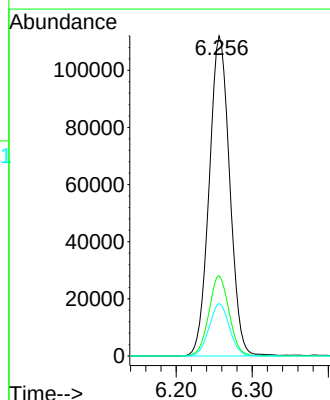
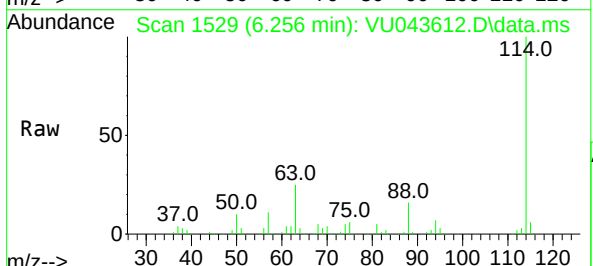
Tgt Ion: 114 Resp: 209504

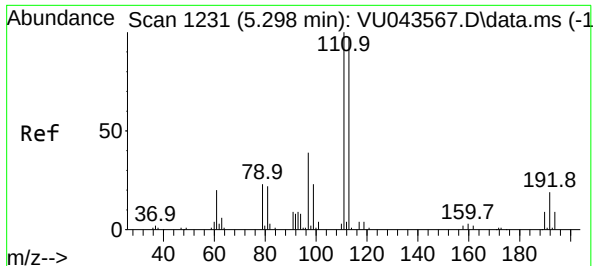
Ion Ratio Lower Upper

114 100

63 25.1 0.0 50.2

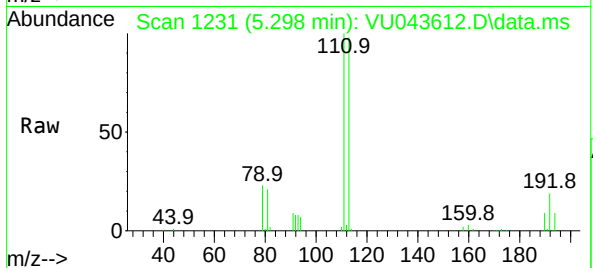
88 16.4 0.0 33.8



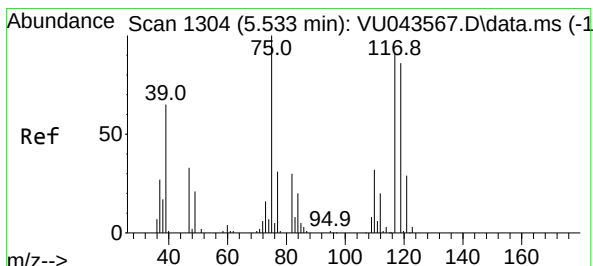
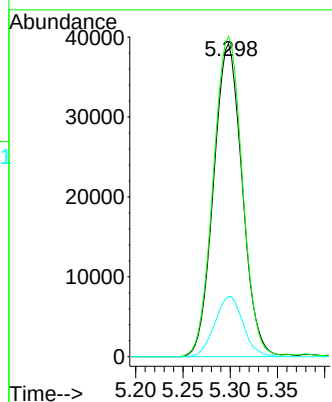
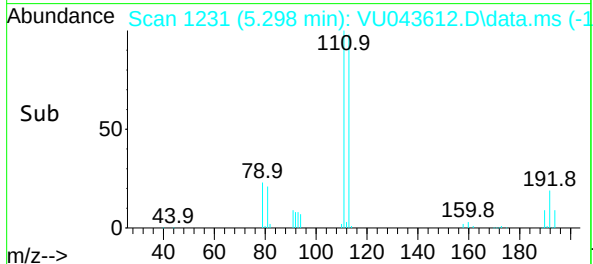


#35
Dibromofluoromethane
Concen: 49.31 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

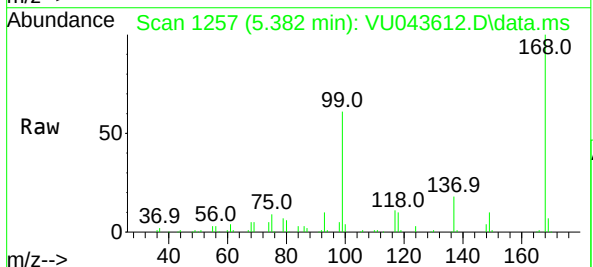
Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW



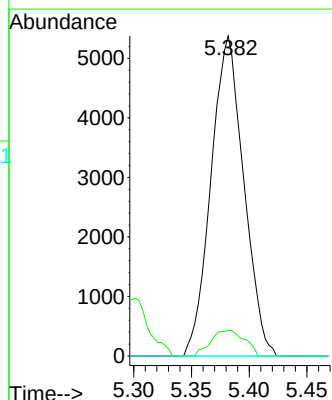
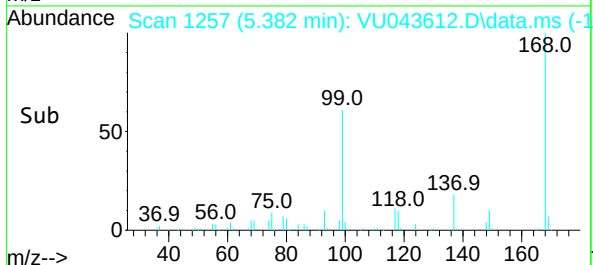
Tgt Ion:	113	Resp:	82394
Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.3	123.5
192	19.0	15.8	23.6

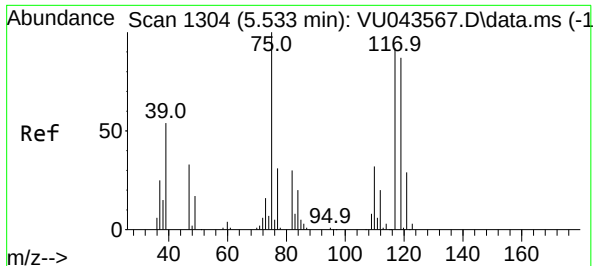


#36
1,1-Dichloropropene
Concen: 4.46 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07



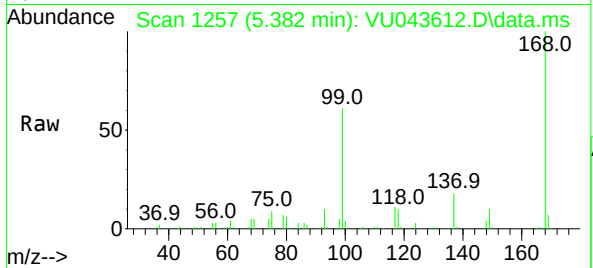
Tgt Ion:	75	Resp:	10600
Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.2	48.5#
77	0.0	24.4	36.6#



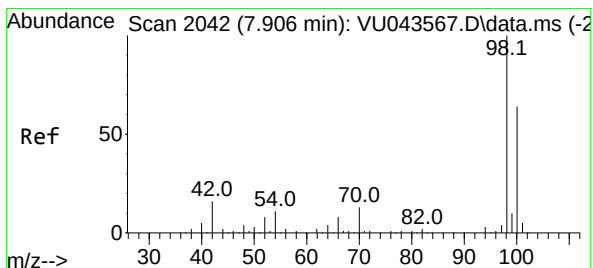
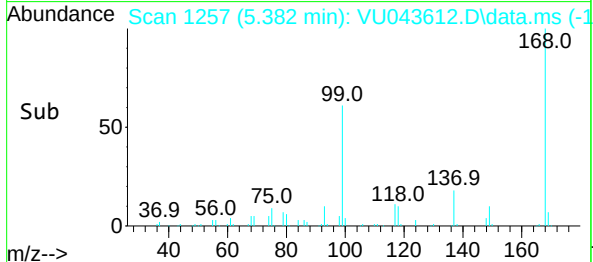
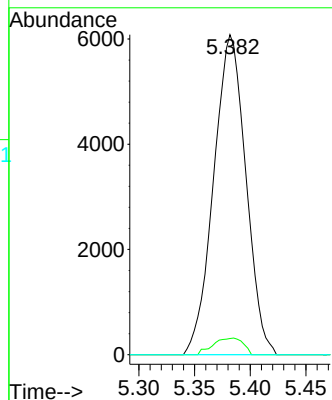


#38
Carbon Tetrachloride
Concen: 5.07 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

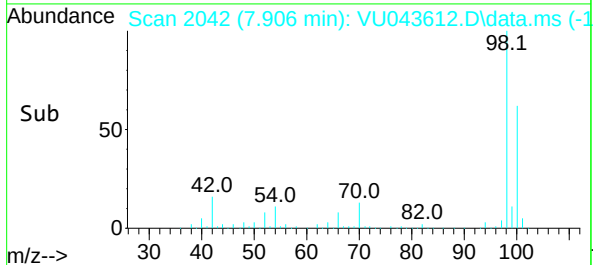
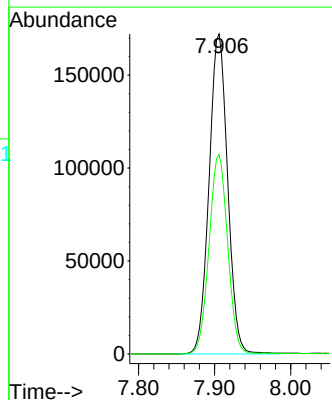
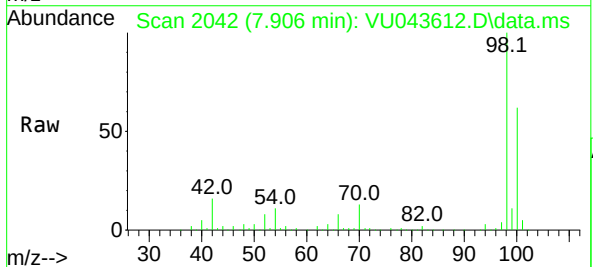


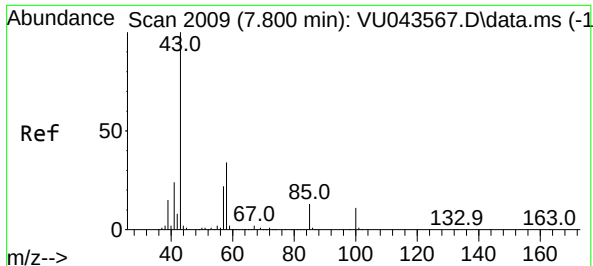
Tgt Ion:117 Resp: 12231
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.0#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.28 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion: 98 Resp: 291917
Ion Ratio Lower Upper
98 100
100 62.3 50.5 75.7

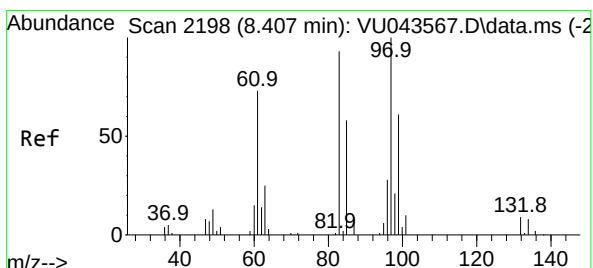
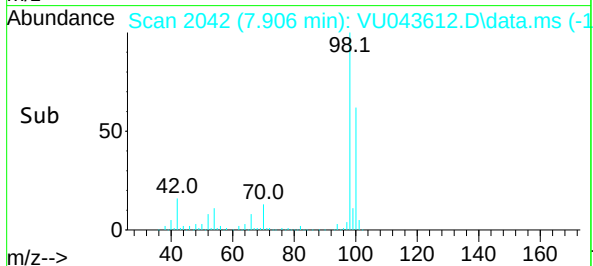
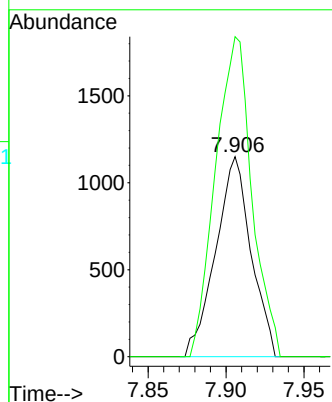
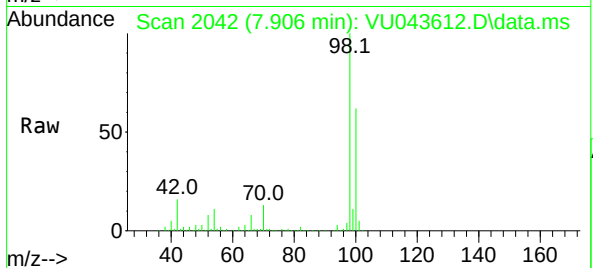




#51
4-Methyl-2-Pentanone
Concen: 19.53 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.106 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

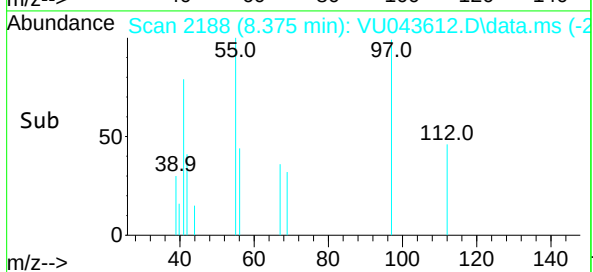
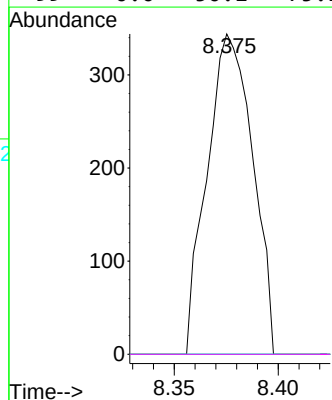
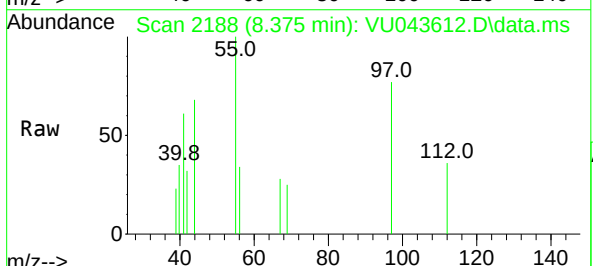
Instrument :
MSVOA_U
ClientSampled :
OWL-C2-GW

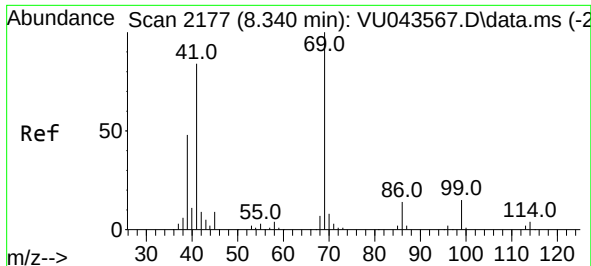
Tgt Ion: 43 Resp: 1811
Ion Ratio Lower Upper
43 100
58 164.9 27.2 40.8#



#55
1,1,2-Trichloroethane
Concen: 0.29 ug/l
RT: 8.375 min Scan# 2188
Delta R.T. -0.032 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion: 97 Resp: 524
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#

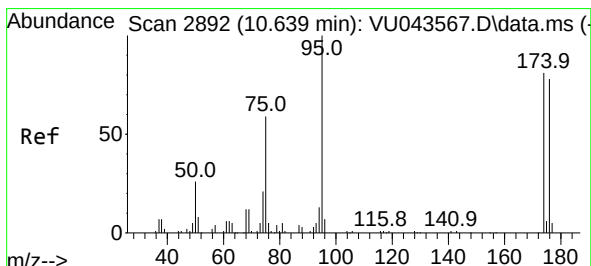
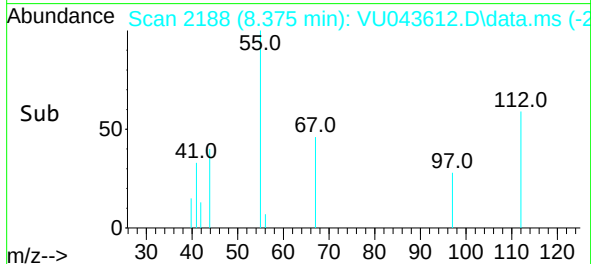
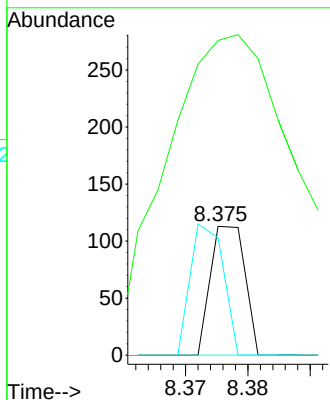
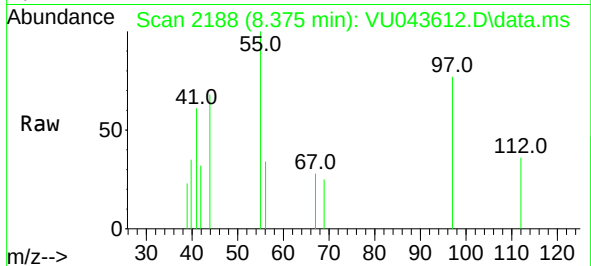




#56
Ethyl methacrylate
Concen: 4.23 ug/l
RT: 8.375 min Scan# 2188
Delta R.T. 0.035 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

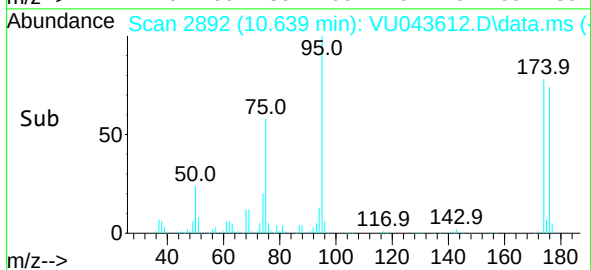
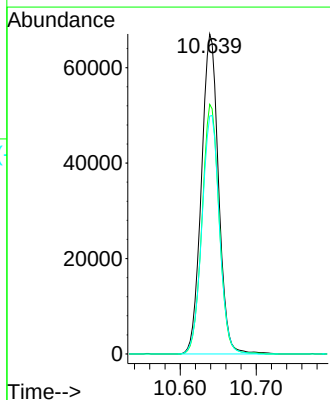
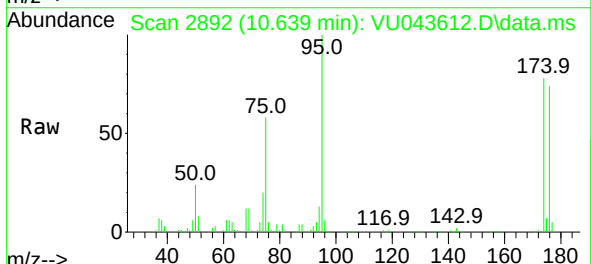
Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

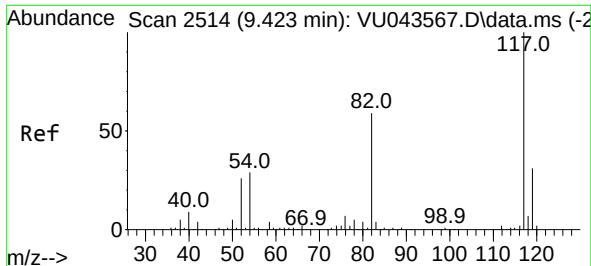
Tgt Ion:	69	Resp:	43
Ion	Ratio	Lower	Upper
69	100		
41	909.3	66.7	100.1#
39	97.7	37.8	56.8#



#62
4-Bromofluorobenzene
Concen: 46.48 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion:	95	Resp:	104751
Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	158.8
176	76.0	0.0	155.6

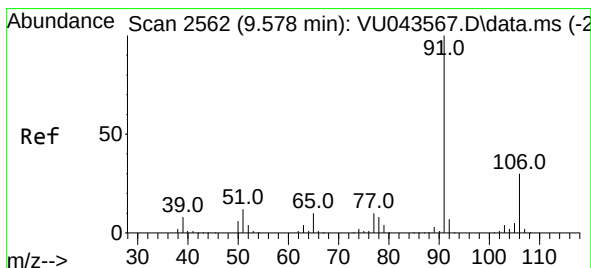
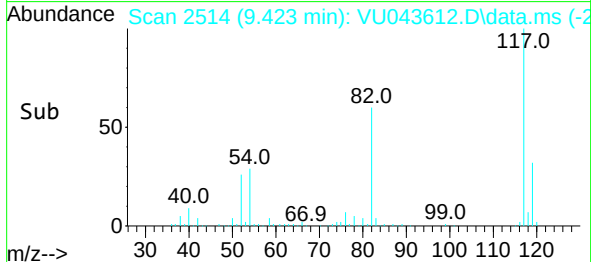
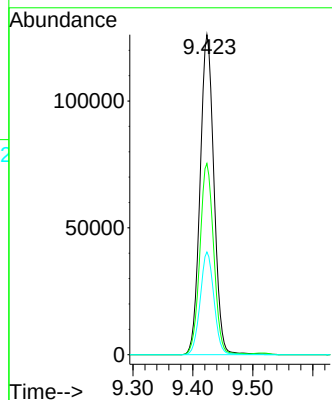
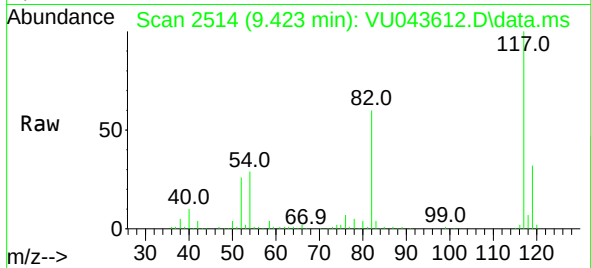




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

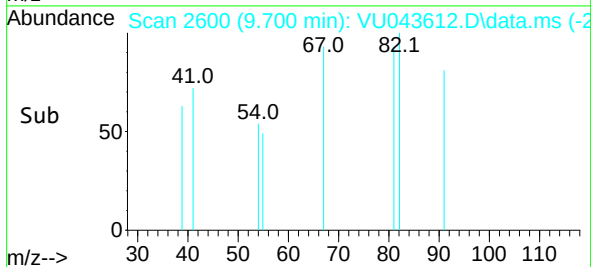
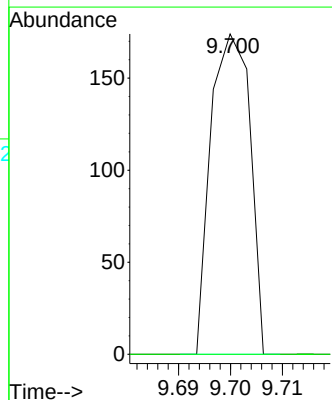
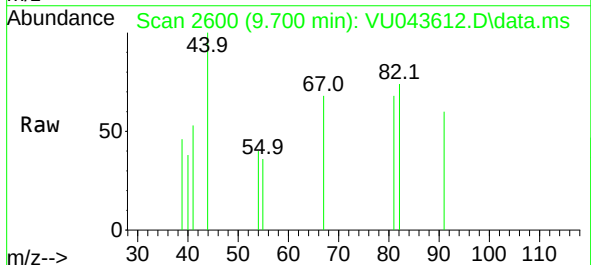
Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

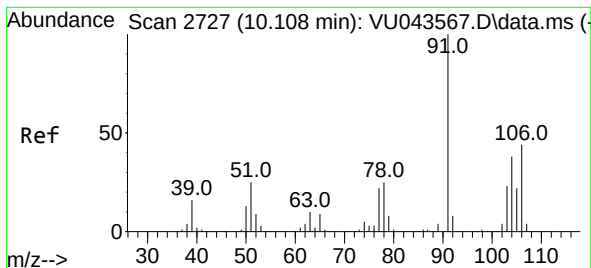
Tgt Ion:117 Resp: 203426
Ion Ratio Lower Upper
117 100
82 59.7 47.5 71.3
119 32.1 24.7 37.1



#67
Ethyl Benzene
Concen: 1.46 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. 0.122 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

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

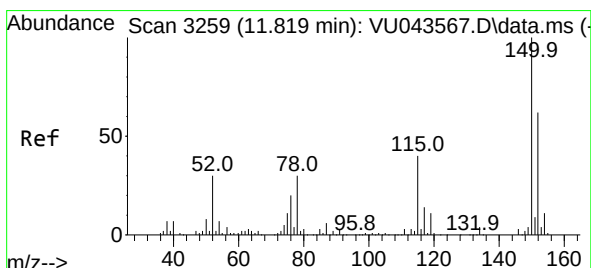
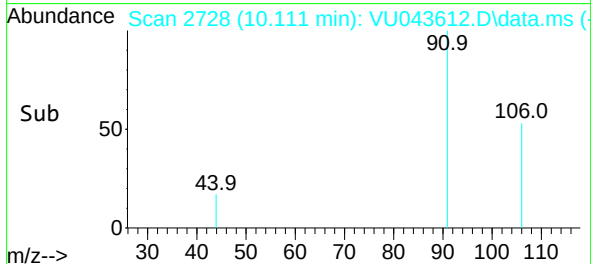
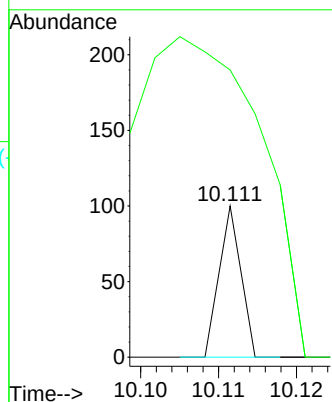
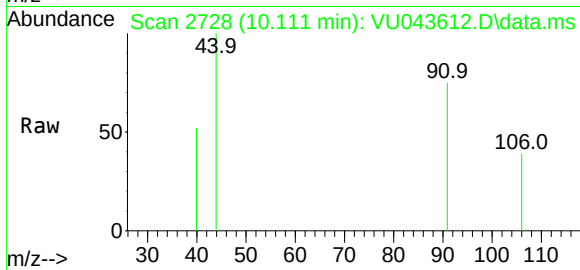




#69
o-Xylene
Concen: 1.88 ug/l
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

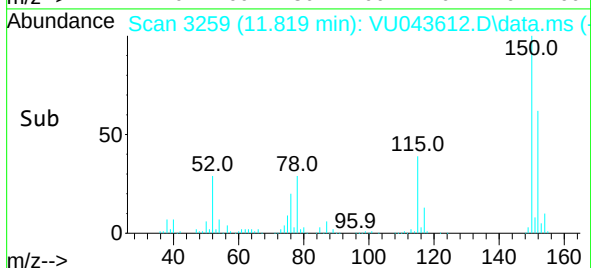
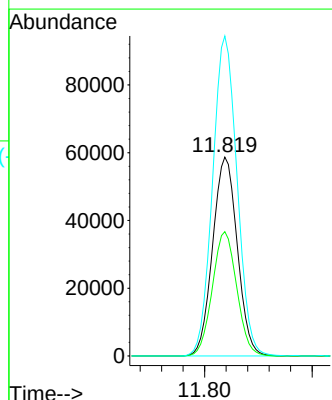
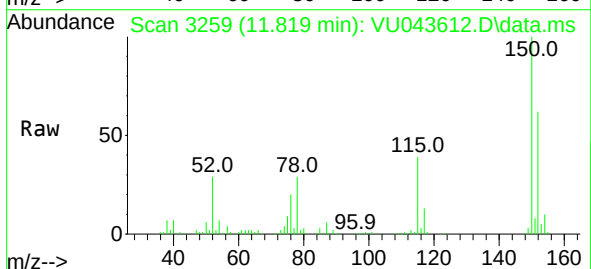
Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

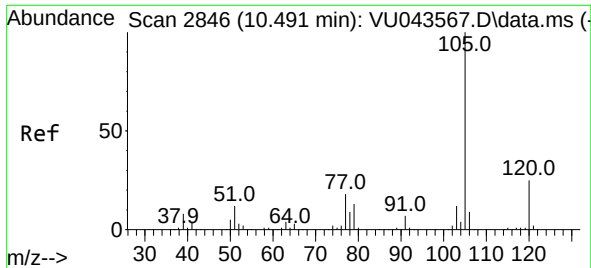
Tgt Ion:106 Resp: 19
Ion Ratio Lower Upper
106 100
91 1242.1 114.5 343.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion:152 Resp: 93315
Ion Ratio Lower Upper
152 100
115 61.9 46.1 138.3
150 159.8 0.0 361.0

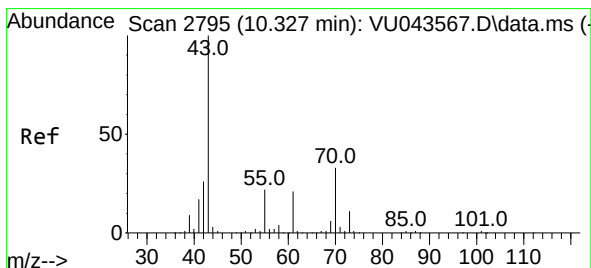
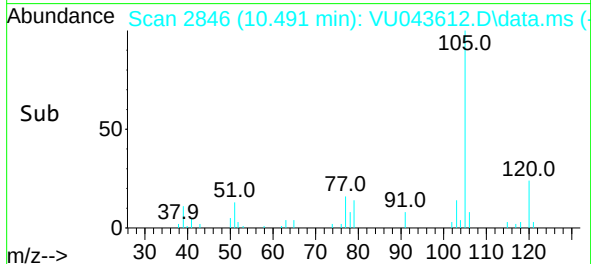
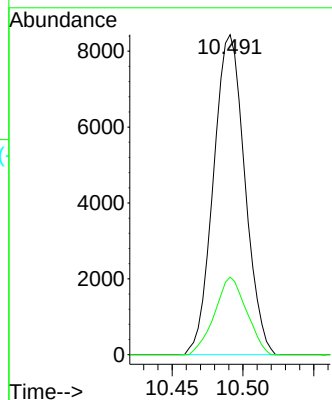
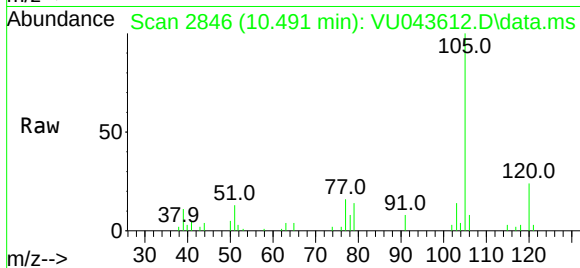




#73
Isopropylbenzene
Concen: 1.94 ug/l
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

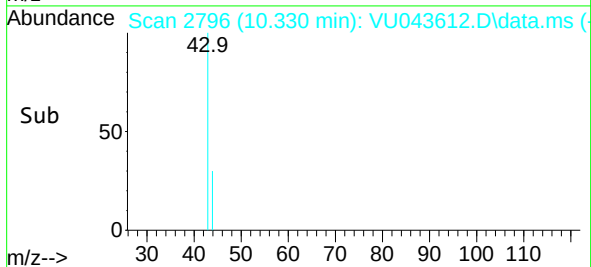
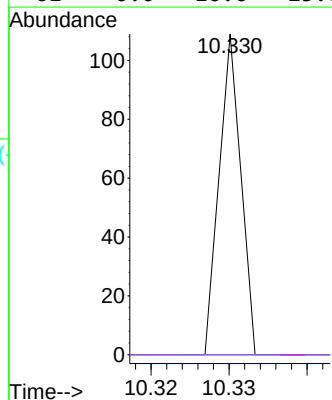
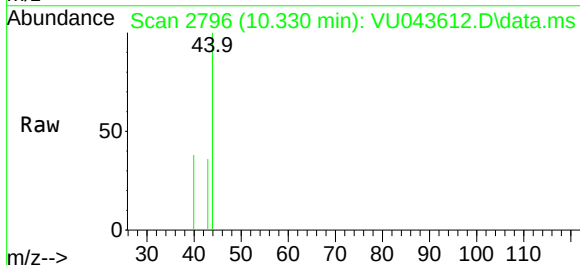
Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

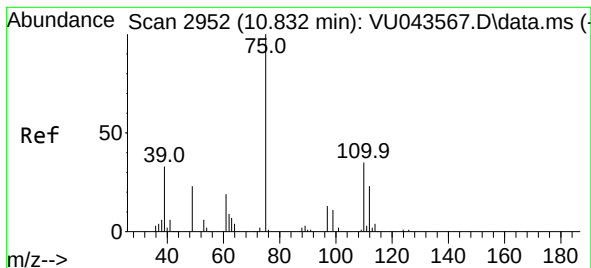
Tgt Ion:105 Resp: 12995
Ion Ratio Lower Upper
105 100
120 24.6 12.6 37.6



#74
N-ethyl acetate
Concen: 2.52 ug/l
RT: 10.330 min Scan# 2796
Delta R.T. 0.003 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion: 43 Resp: 21
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#

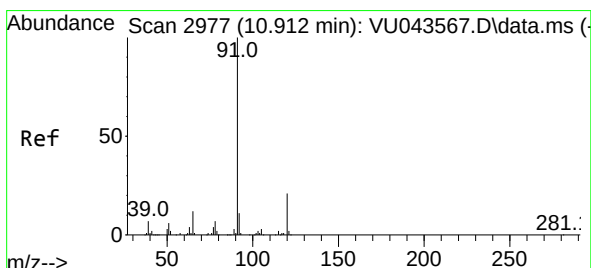
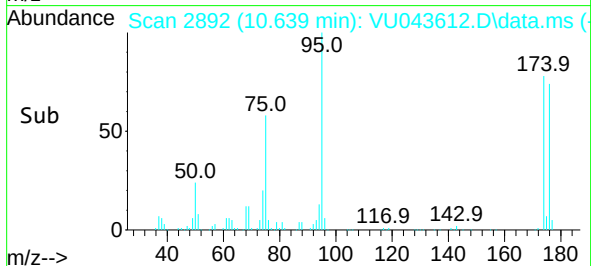
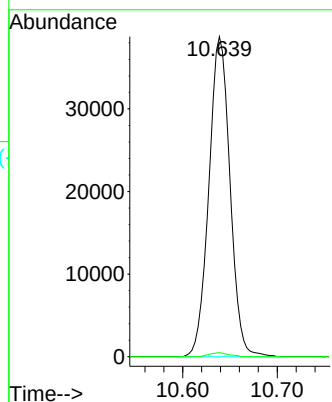
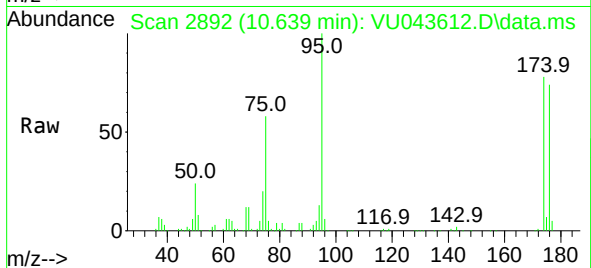




#76
1,2,3-Trichloropropane
Concen: 20.27 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

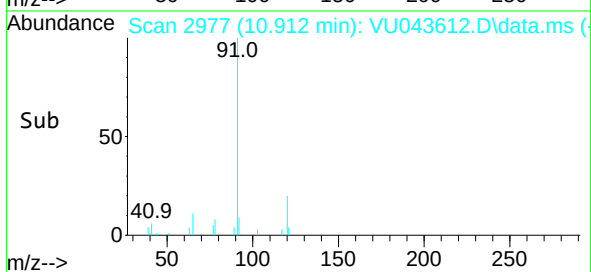
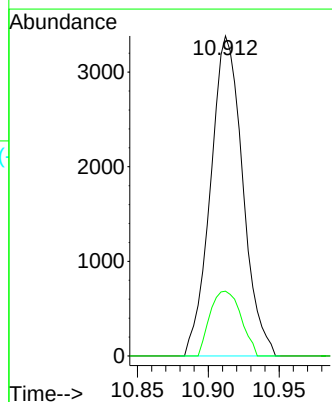
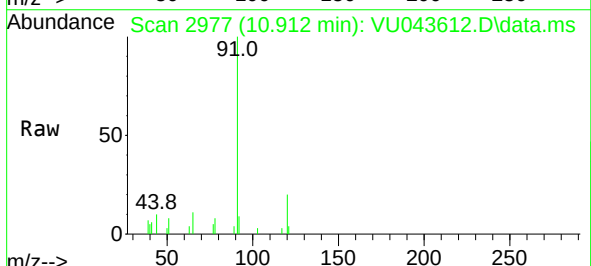
Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

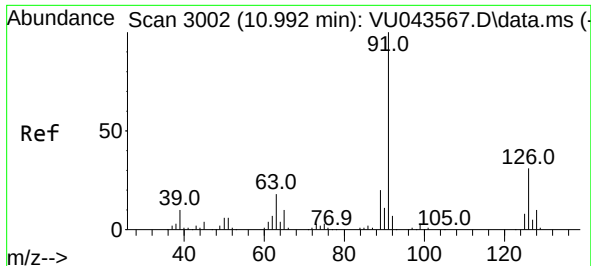
Tgt Ion: 75 Resp: 60146
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#



#78
n-propylbenzene
Concen: 0.65 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.000 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion: 91 Resp: 5340
Ion Ratio Lower Upper
91 100
120 19.5 10.4 31.2

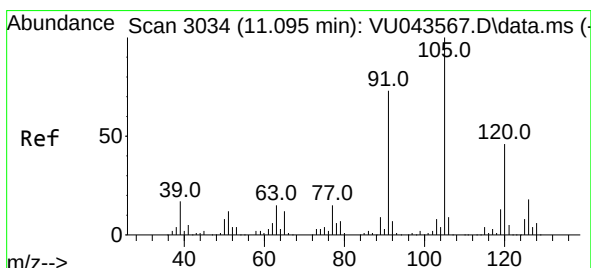
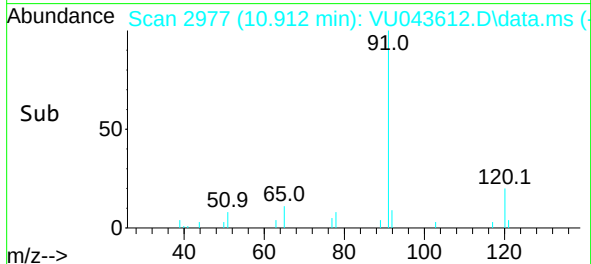
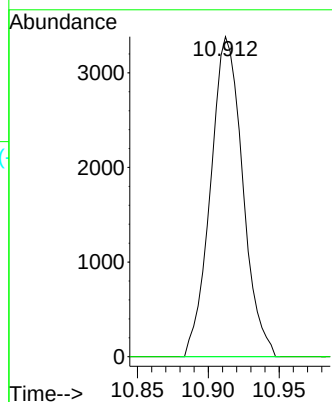
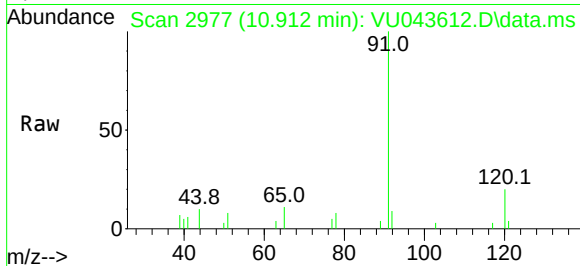




#79
2-Chlorotoluene
Concen: 1.05 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.080 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

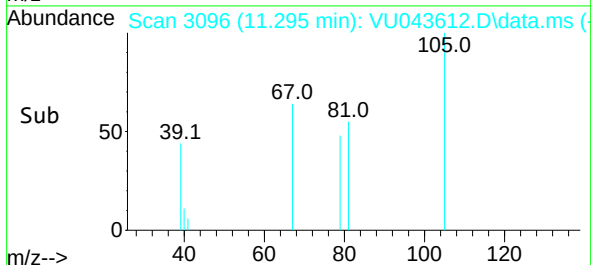
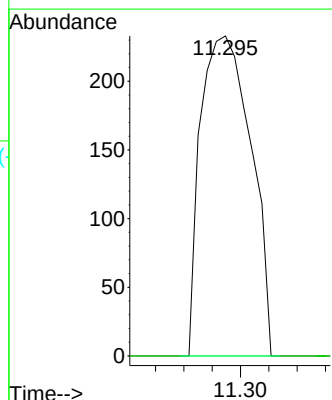
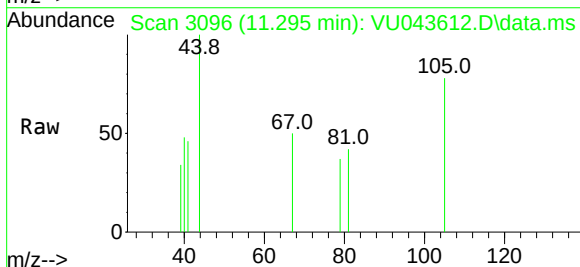
Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

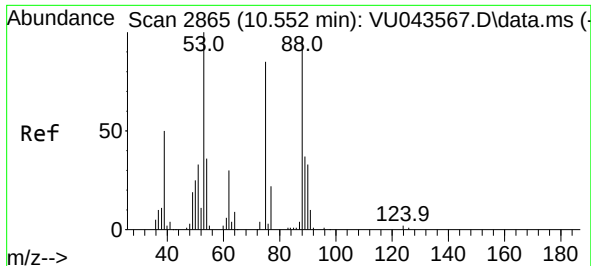
Tgt Ion: 91 Resp: 5340
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.78 ug/l
RT: 11.295 min Scan# 3096
Delta R.T. 0.200 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion: 105 Resp: 287
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#

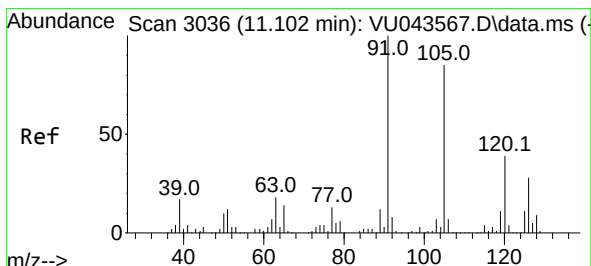
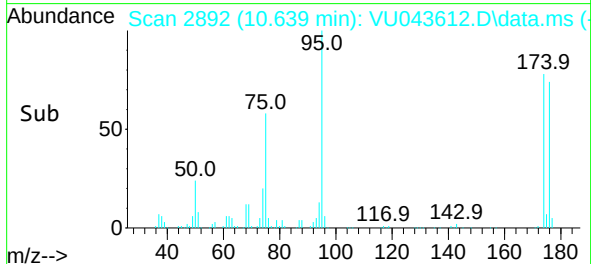
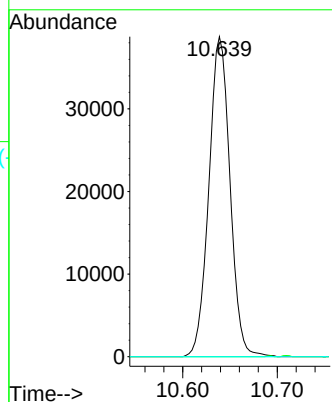
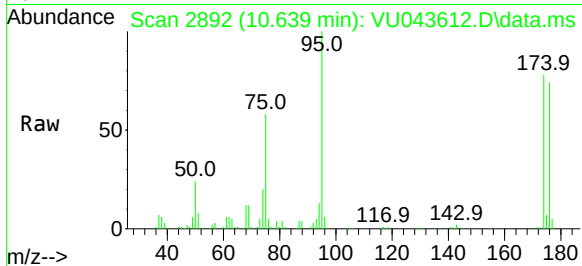




#81
trans-1,4-Dichloro-2-butene
Concen: 66.01 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

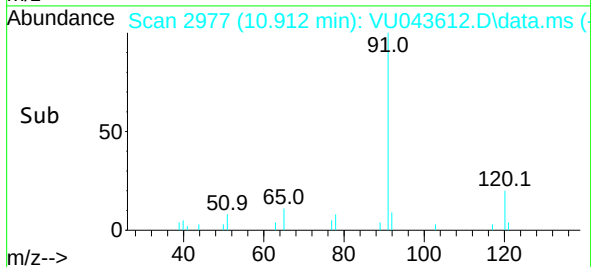
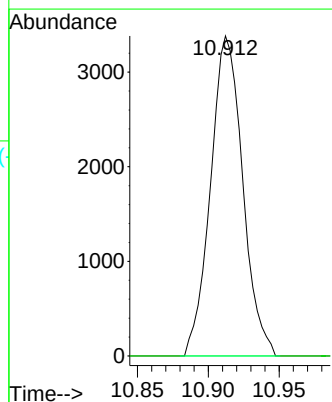
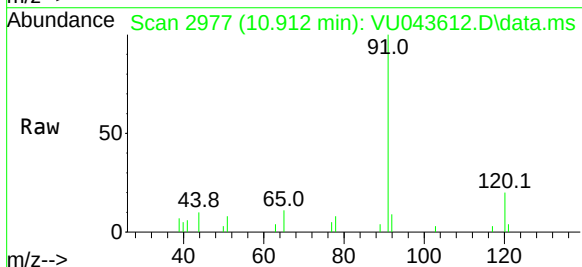
Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

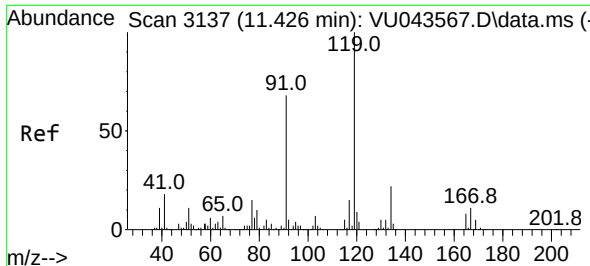
Tgt Ion: 75 Resp: 60146
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#



#82
4-Chlorotoluene
Concen: 0.92 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.190 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion: 91 Resp: 5340
Ion Ratio Lower Upper
91 100
126 0.0 13.7 41.0#

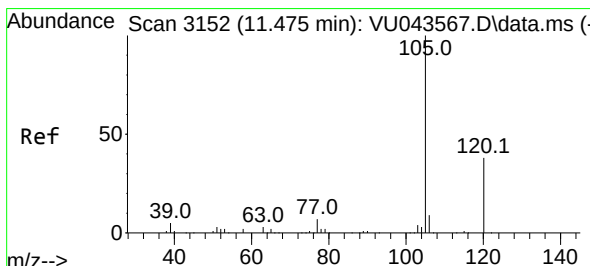
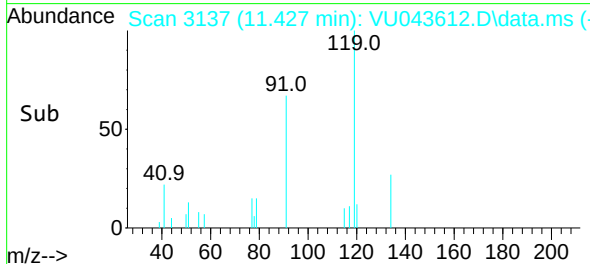
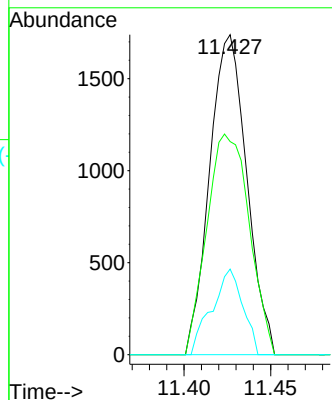
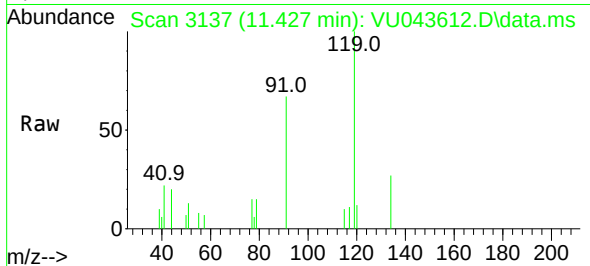




#83
tert-Butylbenzene
Concen: 0.47 ug/l
RT: 11.427 min Scan# 3137
Delta R.T. 0.000 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

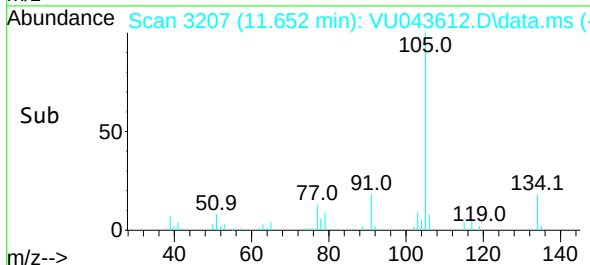
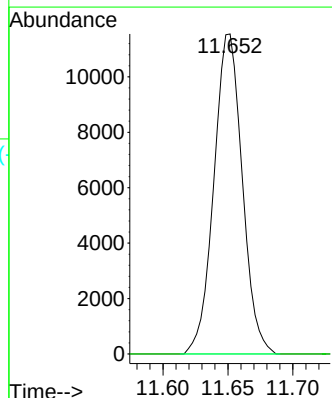
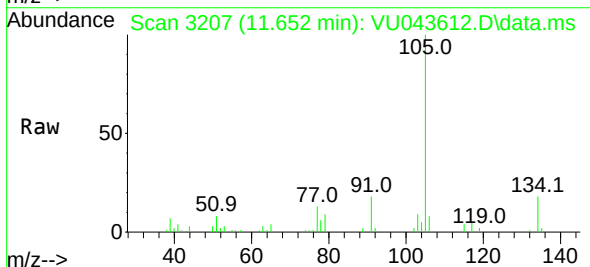
Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

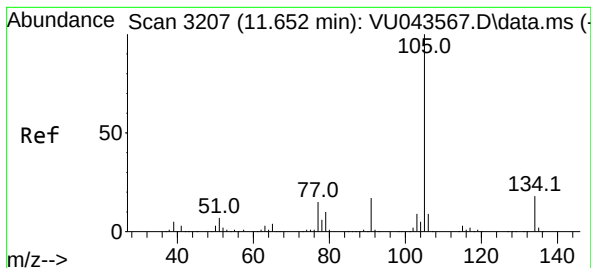
Tgt Ion:119 Resp: 2591
Ion Ratio Lower Upper
119 100
91 78.7 32.0 96.0
134 22.5 10.9 32.9



#84
1,2,4-Trimethylbenzene
Concen: 3.80 ug/l
RT: 11.652 min Scan# 3207
Delta R.T. 0.177 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion:105 Resp: 17553
Ion Ratio Lower Upper
105 100
120 0.0 21.4 64.2#

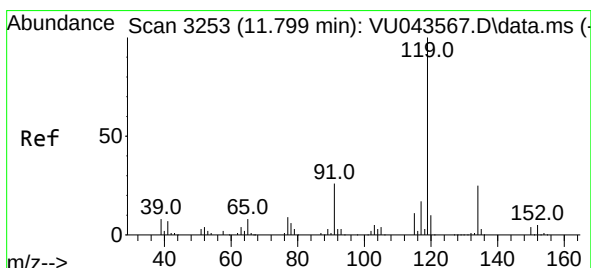
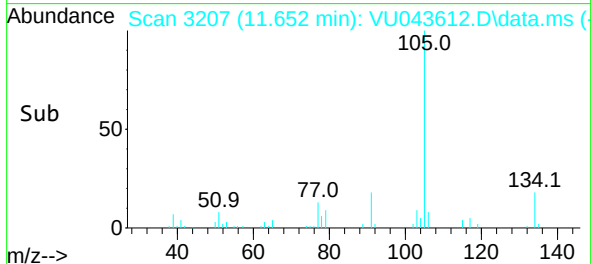
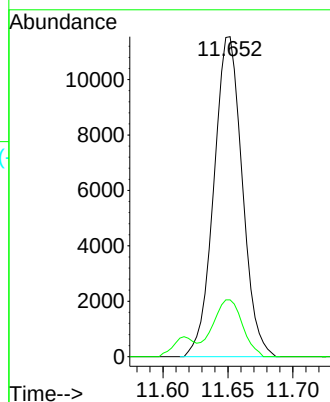
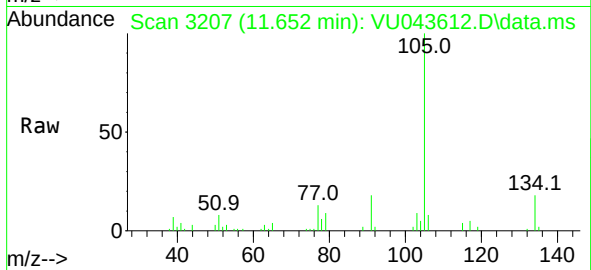




#85
 sec-Butylbenzene
 Concen: 3.59 ug/l
 RT: 11.652 min Scan# 3207
 Delta R.T. -0.000 min
 Lab File: VU043612.D
 Acq: 07 May 2021 15:07

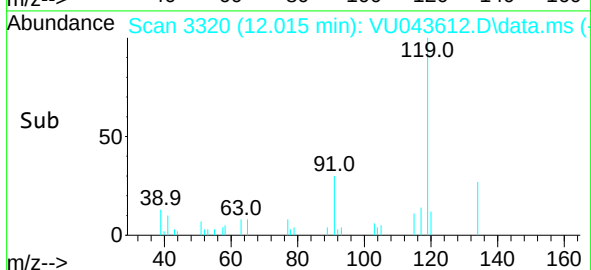
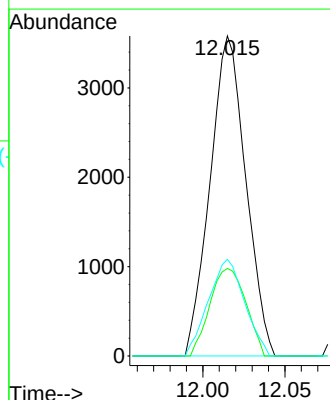
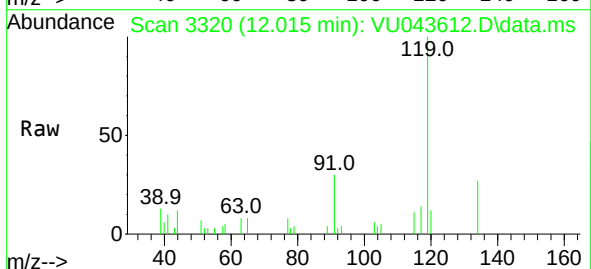
Instrument :
 MSVOA_U
 ClientSampleId :
 OWL-C2-GW

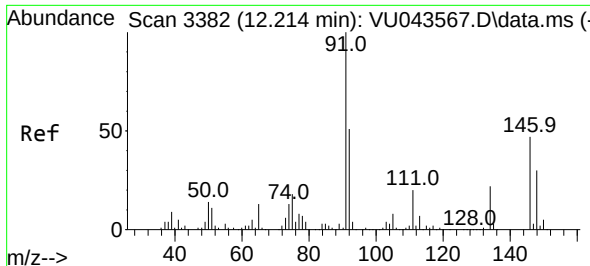
Tgt Ion:105 Resp: 17553
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 2.28 ug/l
 RT: 12.015 min Scan# 3320
 Delta R.T. 0.216 min
 Lab File: VU043612.D
 Acq: 07 May 2021 15:07

Tgt Ion:119 Resp: 5409
 Ion Ratio Lower Upper
 119 100
 134 27.6 12.7 38.0
 91 30.7 13.3 39.9

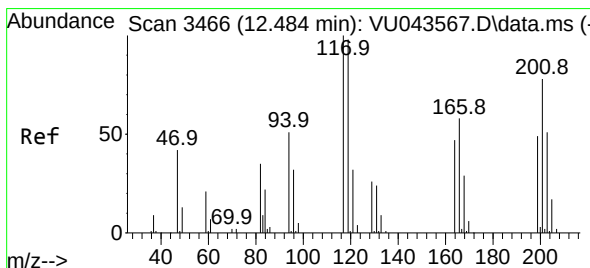
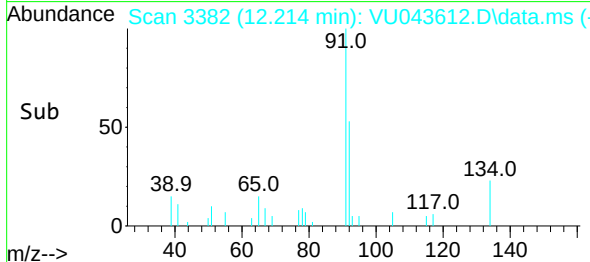
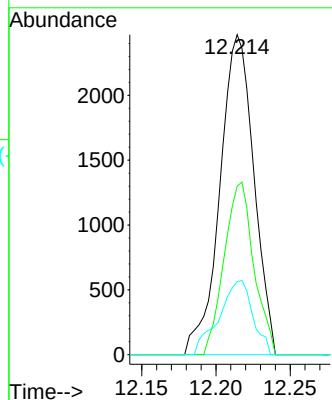
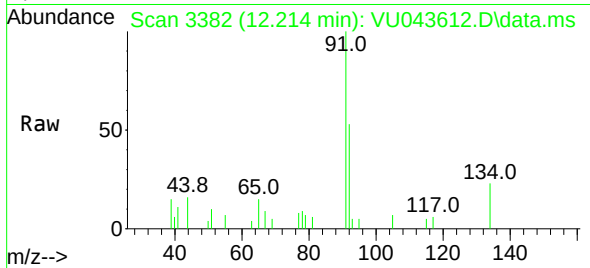




#89
n-Butylbenzene
Concen: 3.11 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

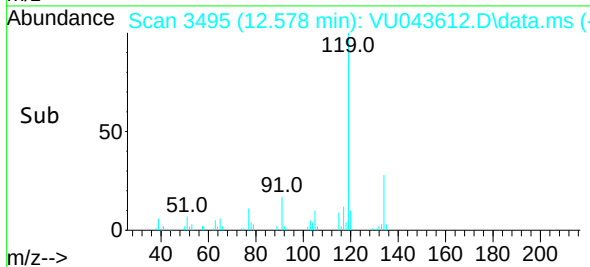
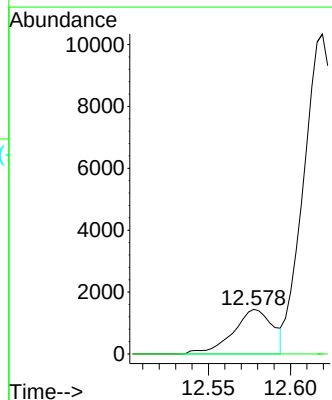
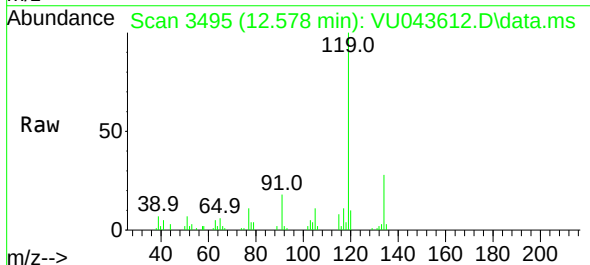
Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

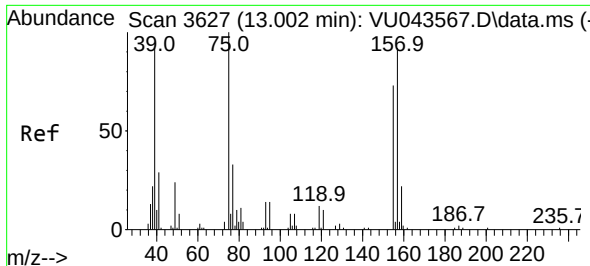
Tgt Ion:	91	Resp:	3923
Ion	Ratio	Lower	Upper
91	100		
92	47.0	25.4	76.2
134	23.0	11.3	33.9



#90
Hexachloroethane
Concen: 2.60 ug/l
RT: 12.578 min Scan# 3495
Delta R.T. 0.093 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion:	117	Resp:	2435
Ion	Ratio	Lower	Upper
117	100		
201	0.0	38.6	115.7#

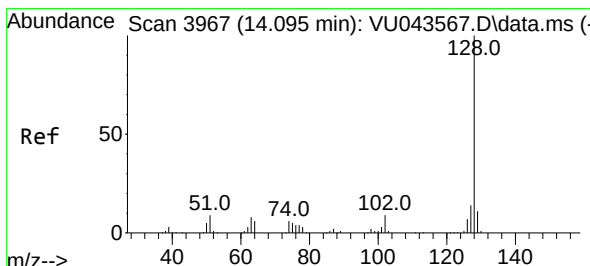
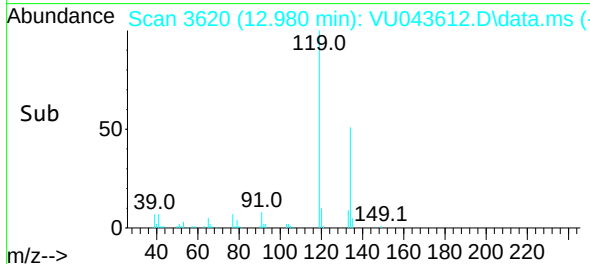
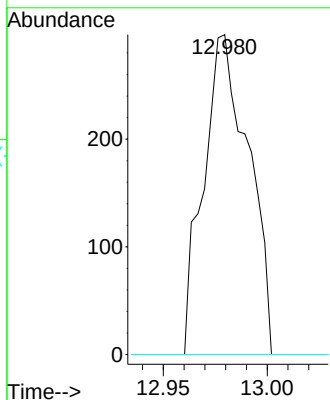
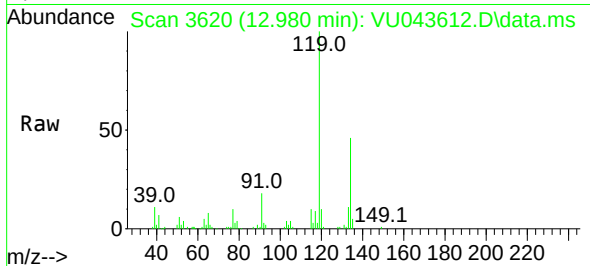




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.57 ug/l
RT: 12.980 min Scan# 3620
Delta R.T. -0.022 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Instrument :
MSVOA_U
ClientSampleId :
OWL-C2-GW

Tgt Ion: 75 Resp: 447
Ion Ratio Lower Upper
75 100
155 0.0 36.7 110.1#
157 0.0 47.1 141.4#



#95
Naphthalene
Concen: 1.79 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. -0.003 min
Lab File: VU043612.D
Acq: 07 May 2021 15:07

Tgt Ion:128 Resp: 2187
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 12.8#

