

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050721\
 Data File : VU043616.D
 Acq On : 07 May 2021 16:40
 Operator : SY/MD
 Sample : M2304-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OWL-C7-GW

Quant Time: May 08 01:10:49 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)

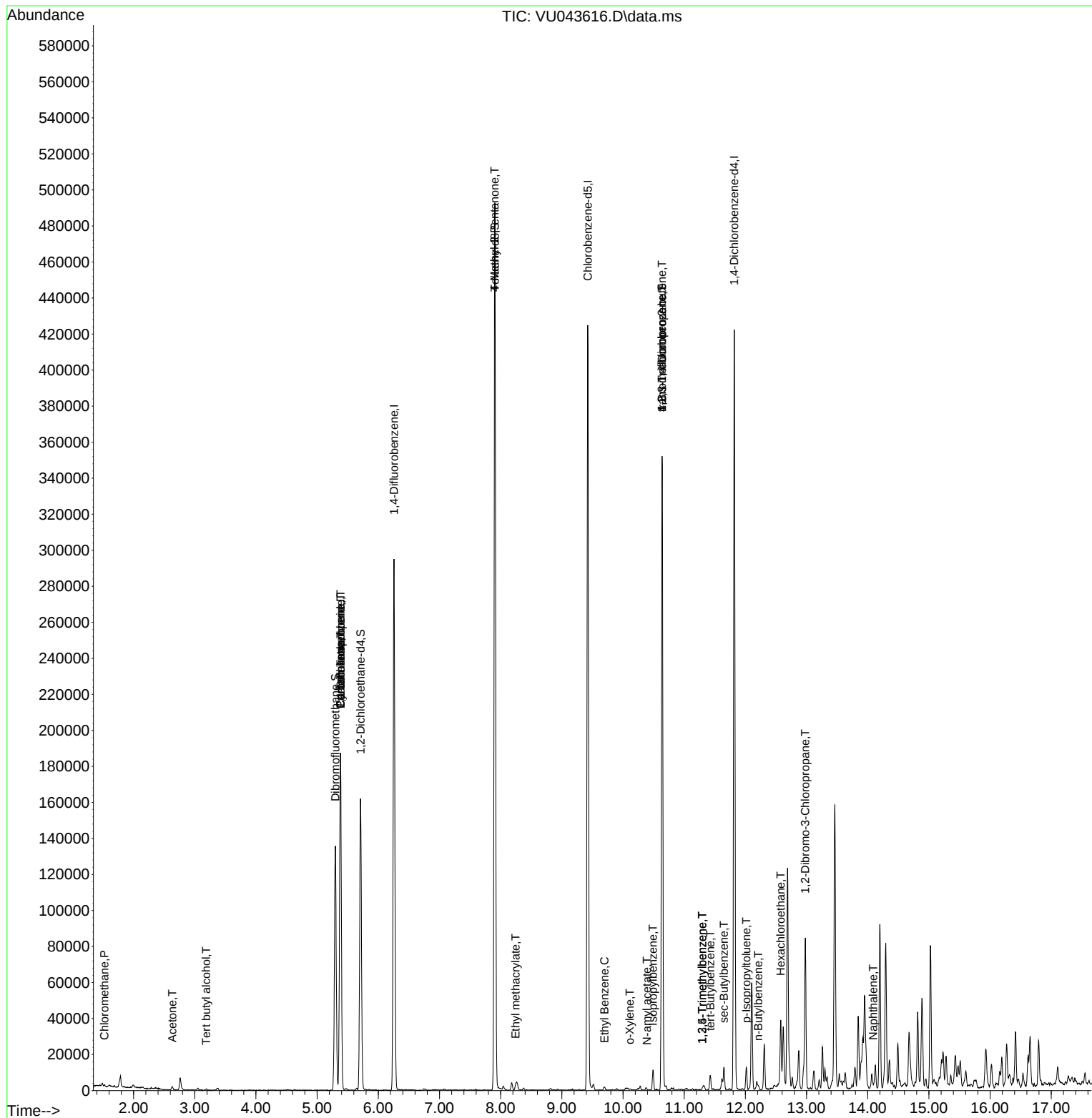
Internal Standards						
1) Pentafluorobenzene	5.382	168	121068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	214307	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	210194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	98671	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	122451	49.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.92%	
35) Dibromofluoromethane	5.298	113	83146	48.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.30%	
50) Toluene-d8	7.906	98	297883	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	10.639	95	108417	47.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.04%	
Target Compounds						Qvalue
3) Chloromethane	1.523	50	445	0.51	ug/l	94
11) Tert butyl alcohol	3.186	59	571	0.87	ug/l #	73
16) Acetone	2.633	43	2371	1.74	ug/l	98
31) Cyclohexane	5.382	56	3616	1.24	ug/l #	18
36) 1,1-Dichloropropene	5.382	75	11257	4.63	ug/l #	51
38) Carbon Tetrachloride	5.382	117	12923	5.24	ug/l #	17
51) 4-Methyl-2-Pentanone	7.903	43	1631	19.49	ug/l #	1
56) Ethyl methacrylate	8.247	69	300	4.30	ug/l #	21
67) Ethyl Benzene	9.697	91	19	1.45	ug/l #	45
69) o-Xylene	10.112	106	67	1.89	ug/l #	1
73) Isopropylbenzene	10.491	105	6772	0.96	ug/l	97
74) N-amyl acetate	10.391	43	157	2.55	ug/l #	1
76) 1,2,3-Trichloropropane	10.639	75	62022	19.77	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.295	105	516	0.81	ug/l	71
81) trans-1,4-Dichloro-2-b...	10.639	75	62022	64.38	ug/l #	3
83) tert-Butylbenzene	11.427	119	3607	0.61	ug/l	86
84) 1,2,4-Trimethylbenzene	11.295	105	516	1.19	ug/l	75
85) sec-Butylbenzene	11.648	105	7534	2.25	ug/l	99
86) p-Isopropyltoluene	12.015	119	6484	2.38	ug/l	96
89) n-Butylbenzene	12.211	91	883	2.65	ug/l #	79
90) Hexachloroethane	12.578	117	2281	2.31	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	12.980	75	398	0.48	ug/l #	7
95) Naphthalene	14.089	128	426	1.57	ug/l #	69

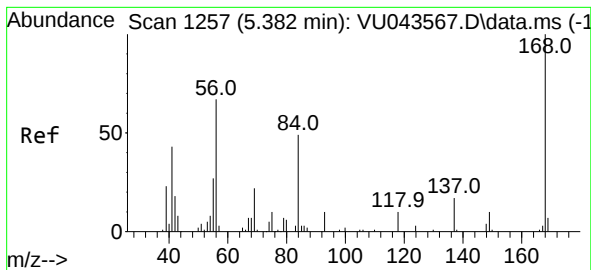
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

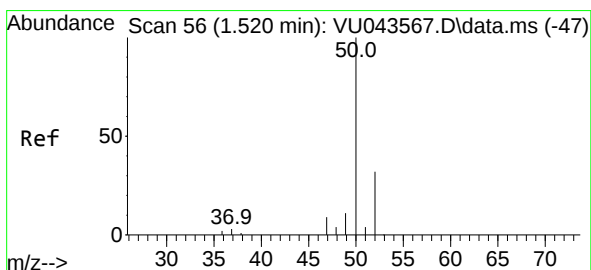
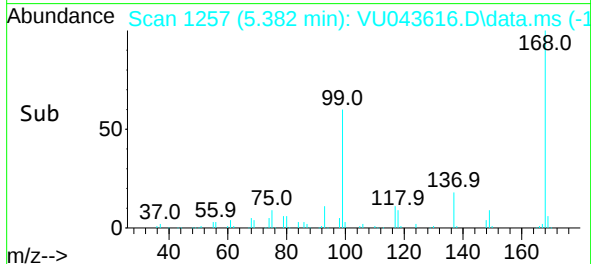
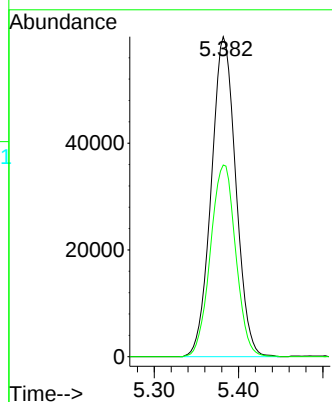
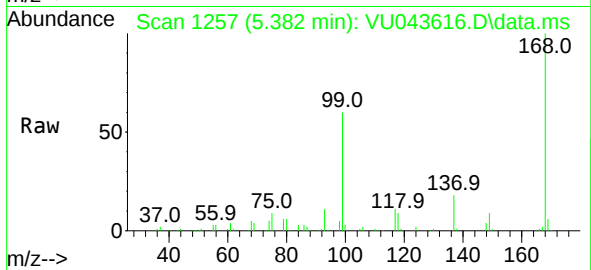




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

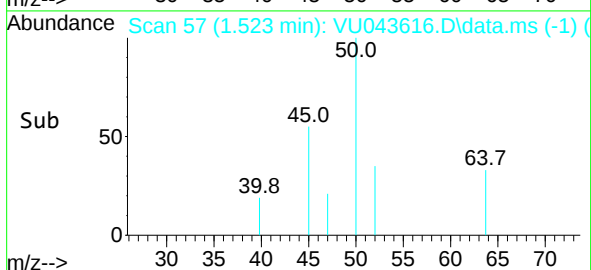
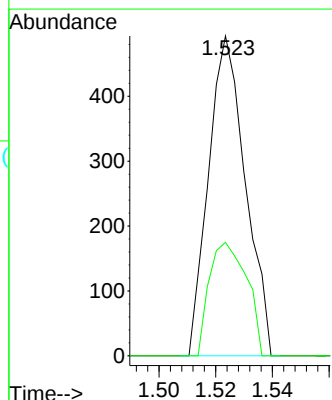
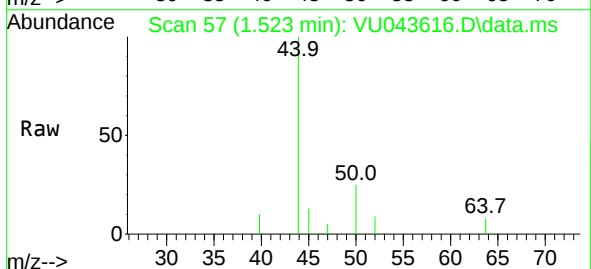
Instrument :
MSVOA_U
ClientSampleId :
OWL-C7-GW

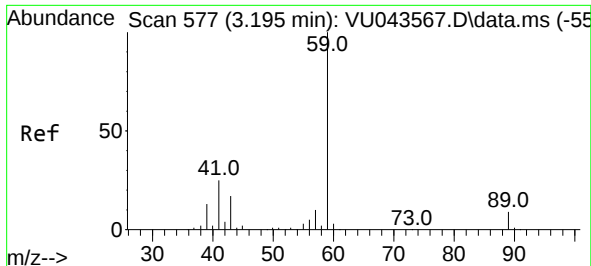
Tgt Ion:168 Resp: 121068
Ion Ratio Lower Upper
168 100
99 59.9 49.0 73.6



#3
Chloromethane
Concen: 0.51 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

Tgt Ion: 50 Resp: 445
Ion Ratio Lower Upper
50 100
52 35.5 25.9 38.9

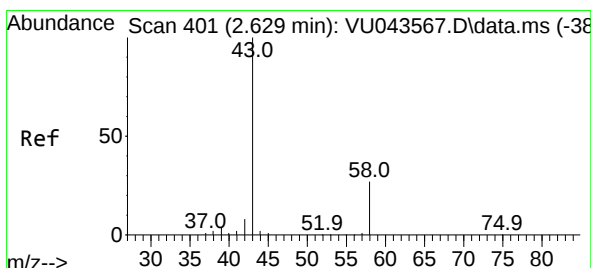
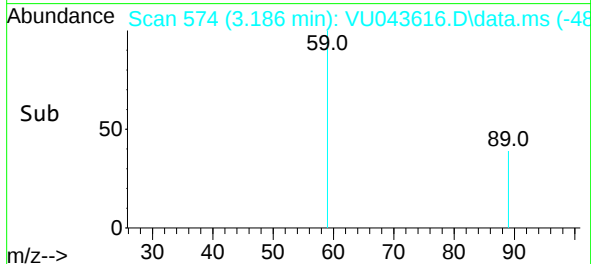
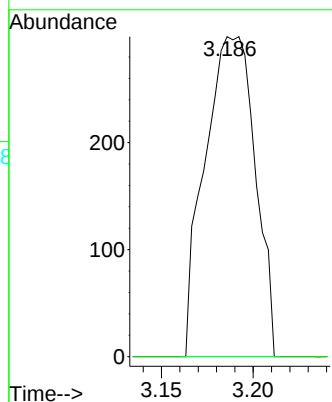
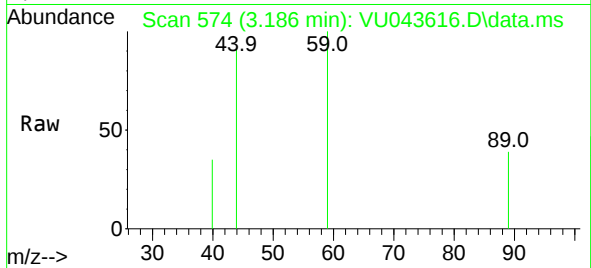




#11
Tert butyl alcohol
Concen: 0.87 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.010 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

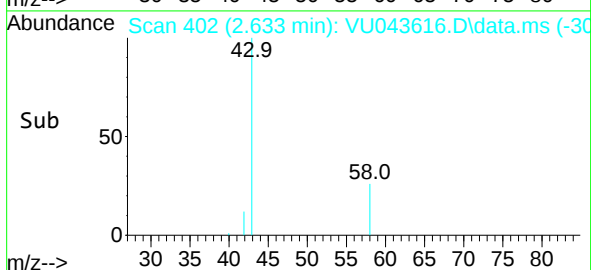
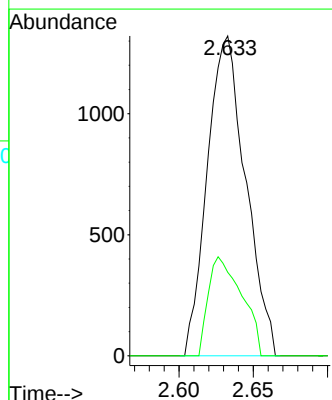
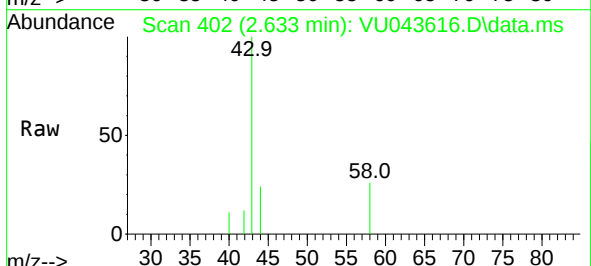
Instrument :
MSVOA_U
ClientSampleId :
OWL-C7-GW

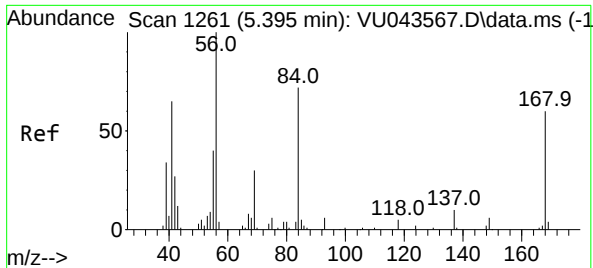
Tgt Ion: 59 Resp: 571
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 1.74 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

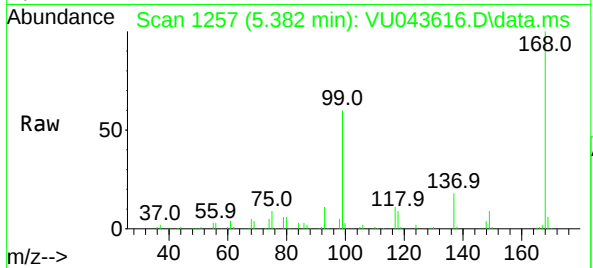
Tgt Ion: 43 Resp: 2371
Ion Ratio Lower Upper
43 100
58 26.1 21.7 32.5



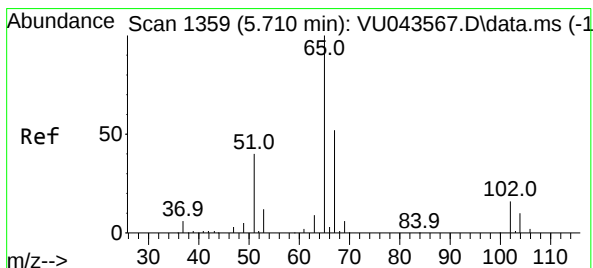
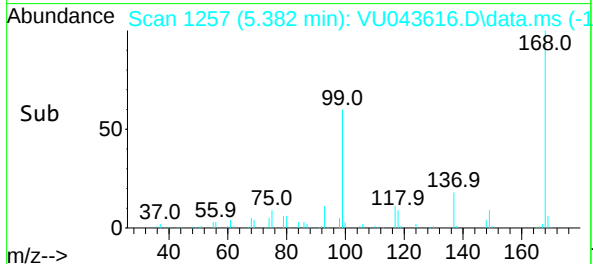
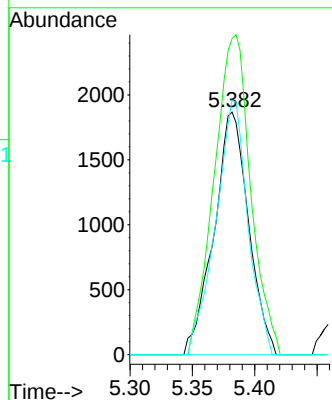


#31
Cyclohexane
Concen: 1.24 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

Instrument :
MSVOA_U
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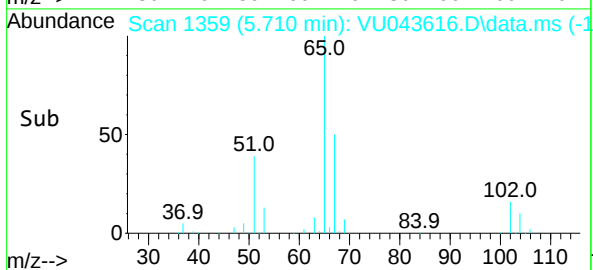
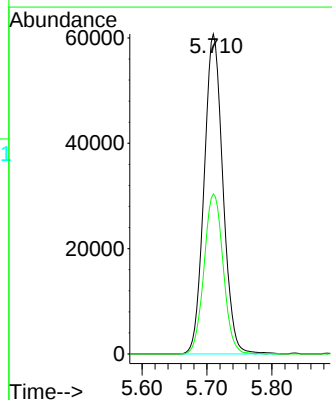
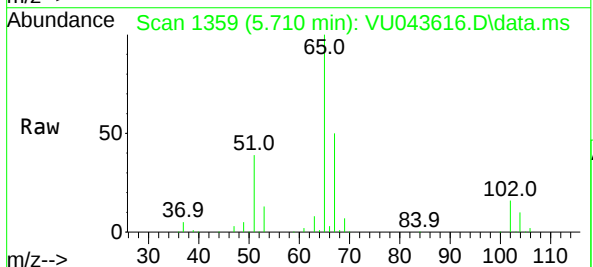


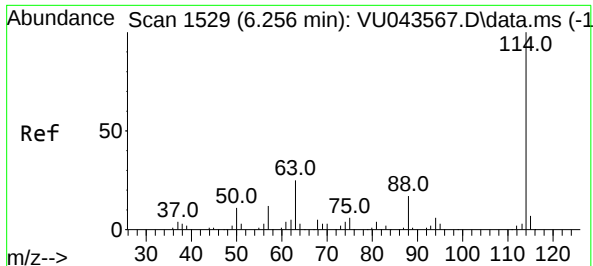
Tgt Ion: 56 Resp: 3616
Ion Ratio Lower Upper
56 100
69 130.2 23.9 35.9#
84 104.9 57.7 86.5#



#33
1,2-Dichloroethane-d4
Concen: 49.96 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

Tgt Ion: 65 Resp: 122451
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.6

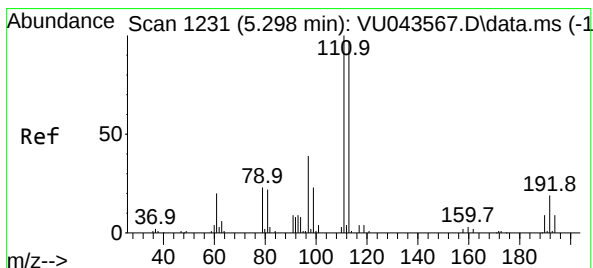
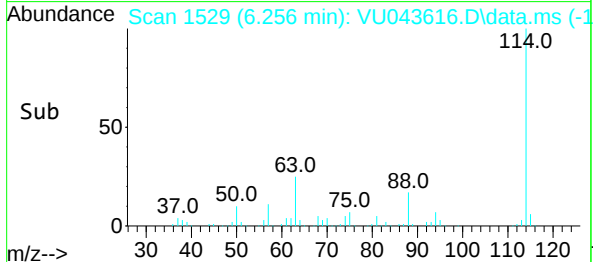
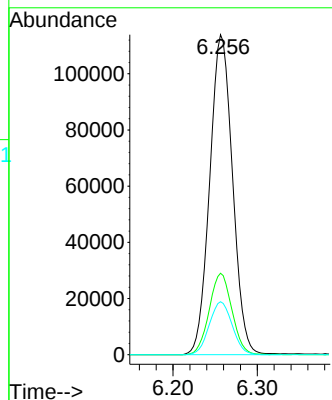
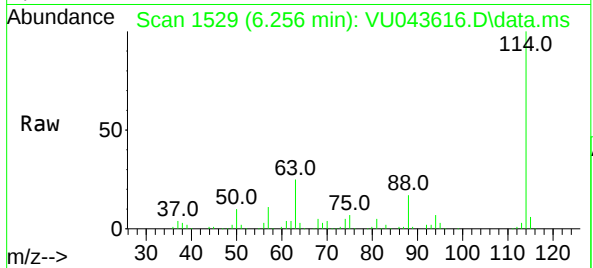




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

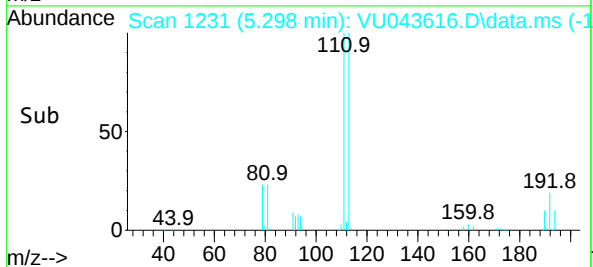
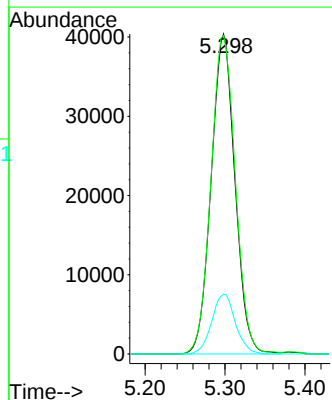
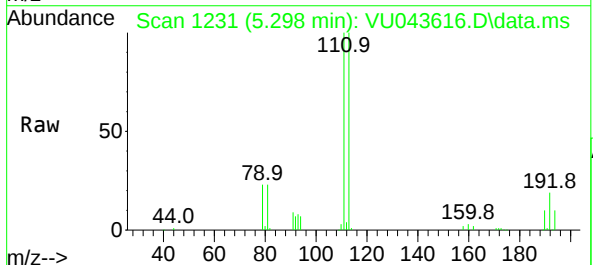
Instrument :
MSVOA_U
ClientSampleId :
OWL-C7-GW

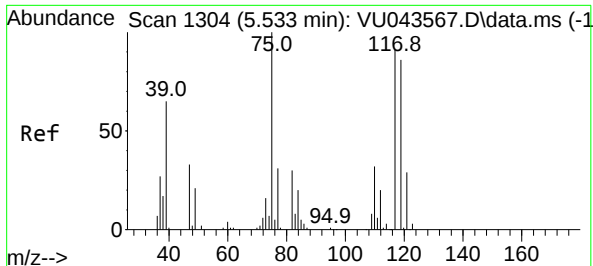
Tgt Ion:	114	Resp:	214307
Ion Ratio	Lower	Upper	
114	100		
63	25.5	0.0	50.2
88	16.6	0.0	33.8



#35
Dibromofluoromethane
Concen: 48.65 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

Tgt Ion:	113	Resp:	83146
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.3	123.5
192	18.6	15.8	23.6





#36

1,1-Dichloropropene

Concen: 4.63 ug/l

RT: 5.382 min Scan# 1257

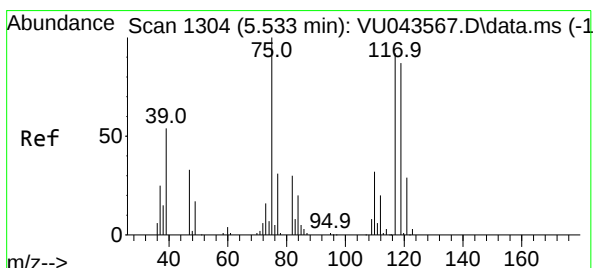
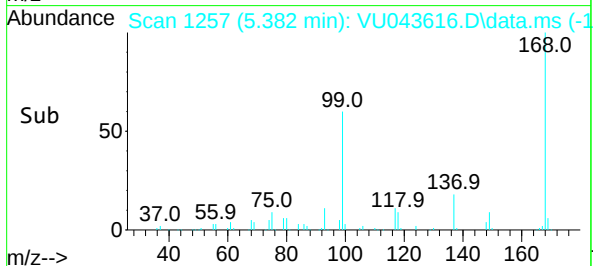
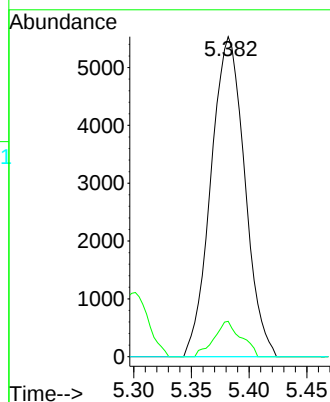
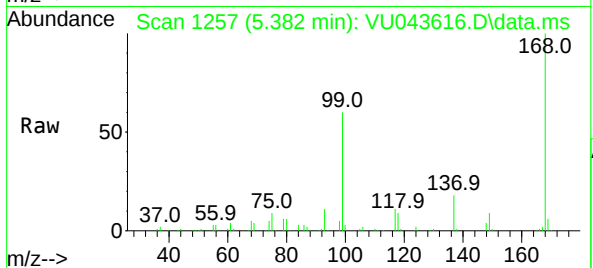
Delta R.T. -0.151 min

Lab File: VU043616.D

Acq: 07 May 2021 16:40

Tgt Ion:	75	Resp:	11257
Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.2	48.5#
77	0.0	24.4	36.6#

Instrument :
MSVOA_U
ClientSampleId :
OWL-C7-GW



#38

Carbon Tetrachloride

Concen: 5.24 ug/l

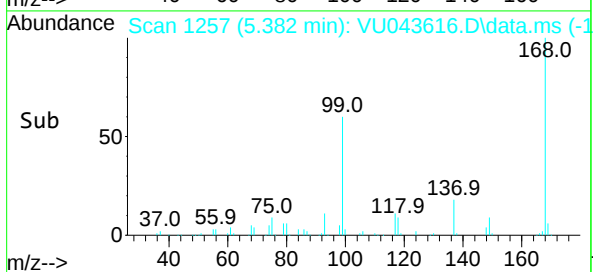
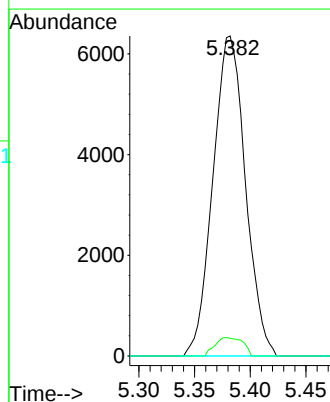
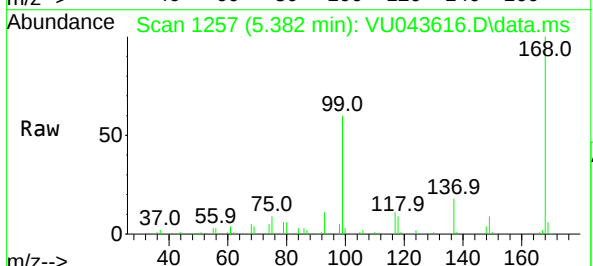
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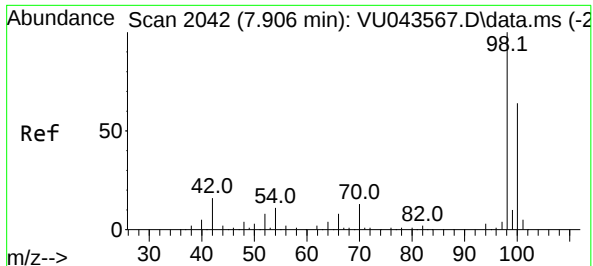
Delta R.T. -0.151 min

Lab File: VU043616.D

Acq: 07 May 2021 16:40

Tgt Ion:	117	Resp:	12923
Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.4	113.0#
121	0.0	25.2	37.8#

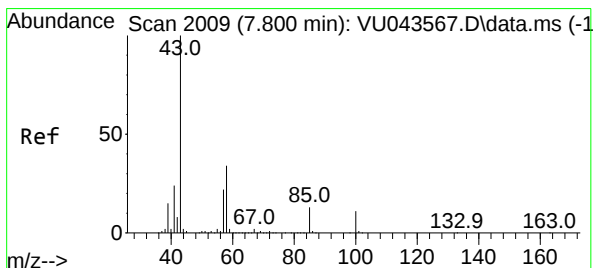
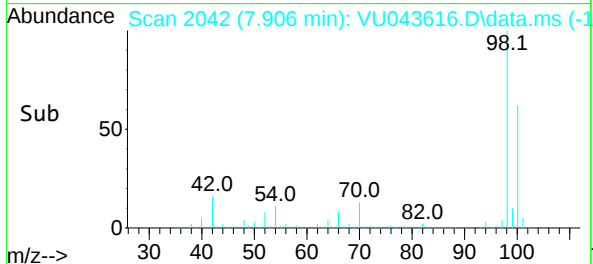
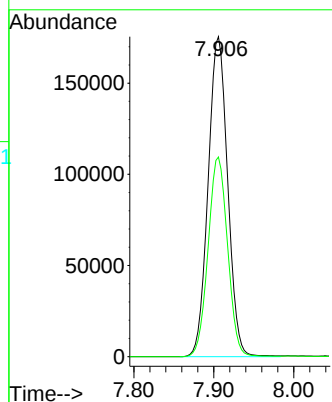
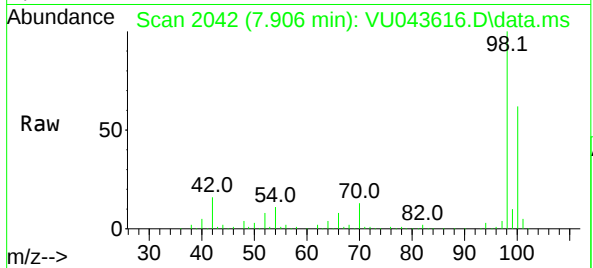




#50
Toluene-d8
Concen: 49.16 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

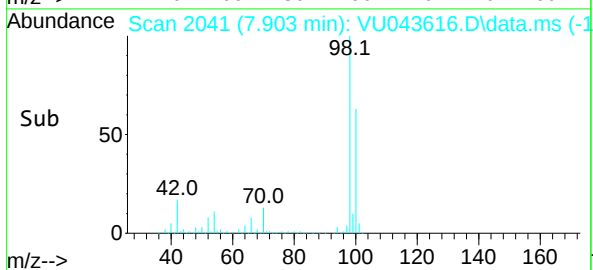
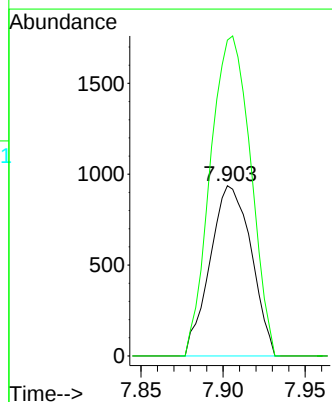
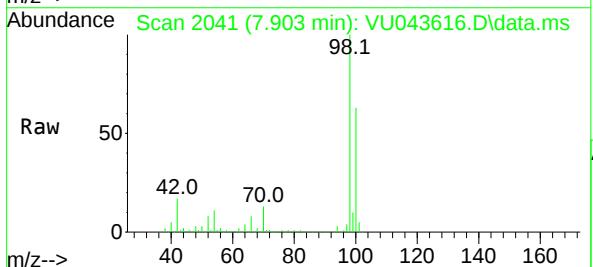
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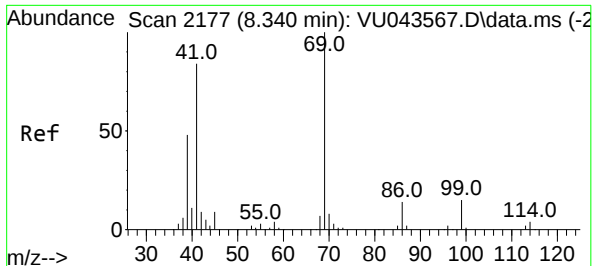
Tgt Ion: 98 Resp: 297883
Ion Ratio Lower Upper
98 100
100 62.4 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 19.49 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.103 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

Tgt Ion: 43 Resp: 1631
Ion Ratio Lower Upper
43 100
58 184.1 27.2 40.8#

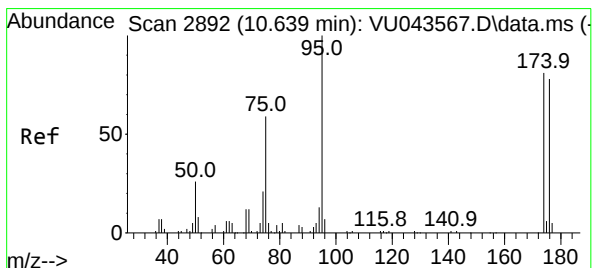
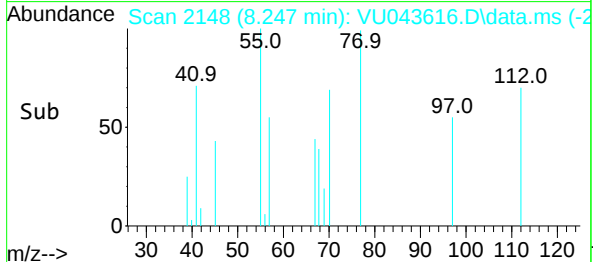
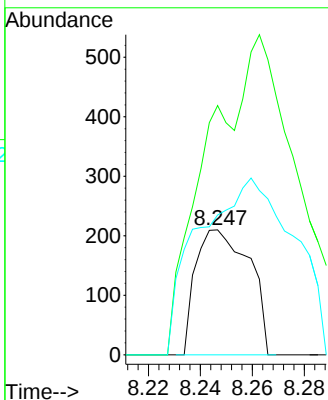
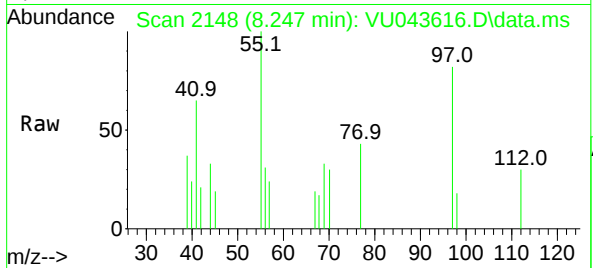




#56
Ethyl methacrylate
Concen: 4.30 ug/l
RT: 8.247 min Scan# 2148
Delta R.T. -0.093 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

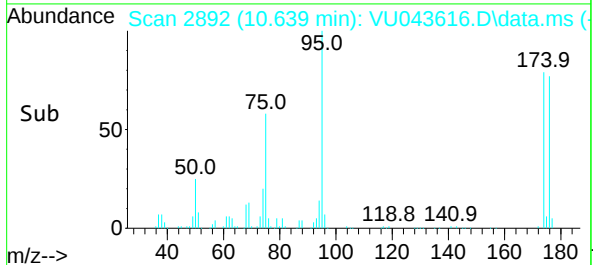
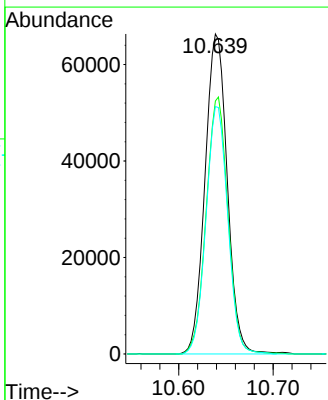
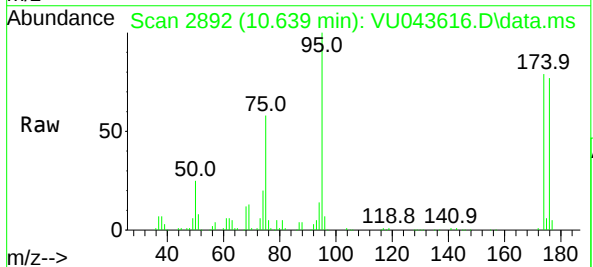
Instrument :
MSVOA_U
ClientSampleId :
OWL-C7-GW

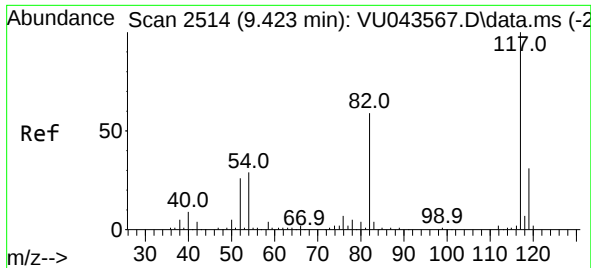
Tgt Ion: 69 Resp: 300
Ion Ratio Lower Upper
69 100
41 159.0 66.7 100.1#
39 0.0 37.8 56.8#



#62
4-Bromofluorobenzene
Concen: 47.02 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

Tgt Ion: 95 Resp: 108417
Ion Ratio Lower Upper
95 100
174 78.8 0.0 158.8
176 75.7 0.0 155.6

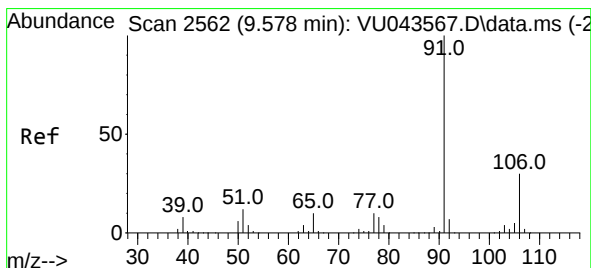
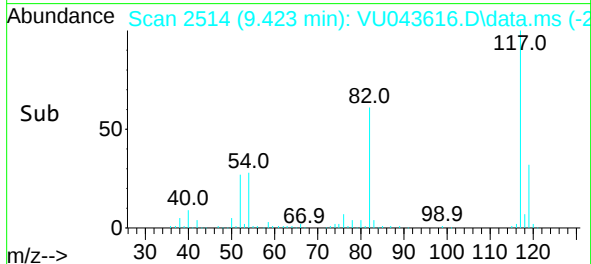
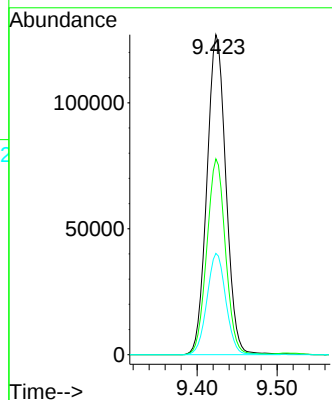
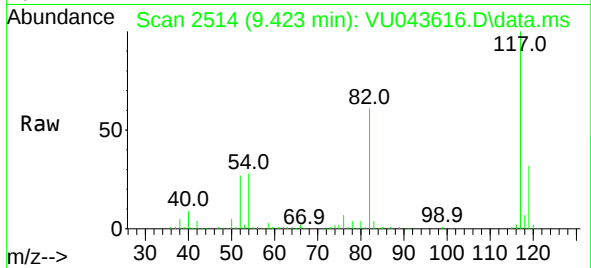




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

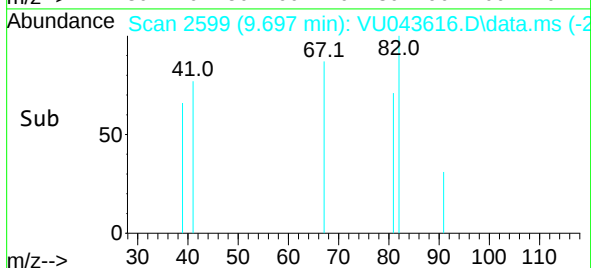
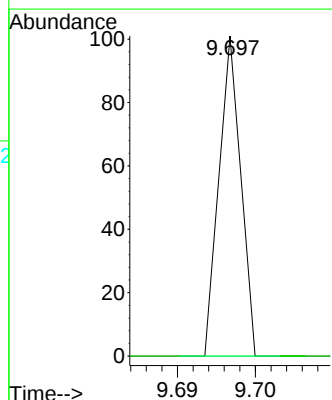
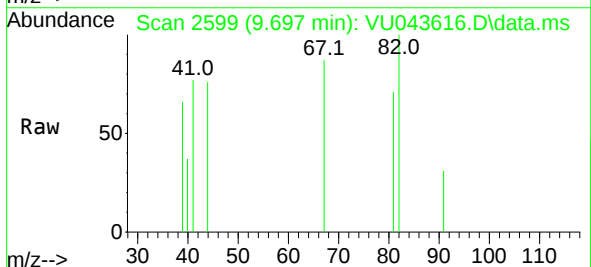
Instrument :
MSVOA_U
ClientSampleId :
OWL-C7-GW

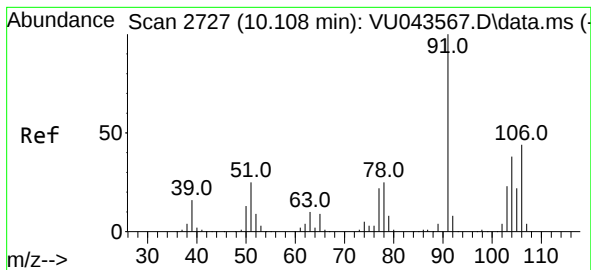
Tgt Ion:117 Resp: 210194
Ion Ratio Lower Upper
117 100
82 61.2 47.5 71.3
119 31.7 24.7 37.1



#67
Ethyl Benzene
Concen: 1.45 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. 0.119 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

Tgt Ion: 91 Resp: 19
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#

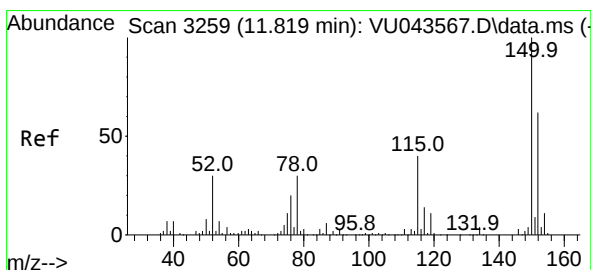
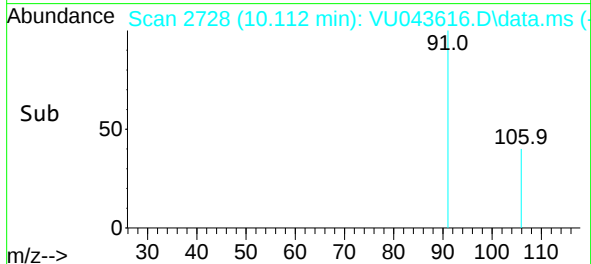
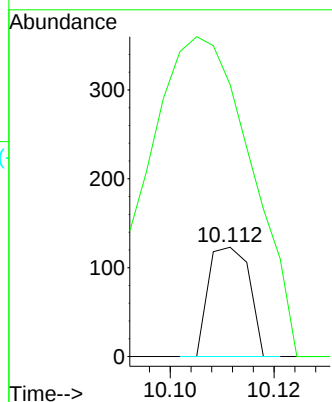
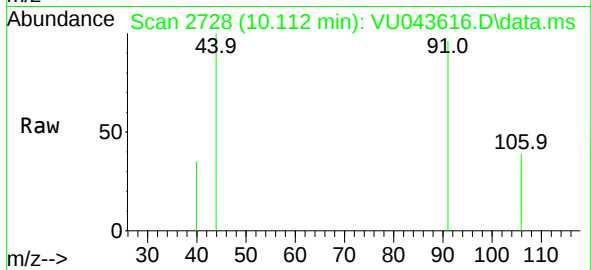




#69
o-Xylene
Concen: 1.89 ug/l
RT: 10.112 min Scan# 2728
Delta R.T. 0.004 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

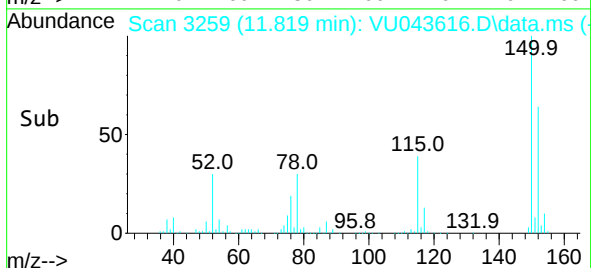
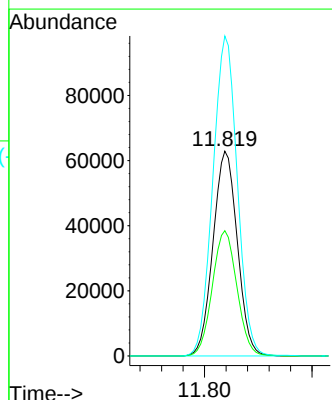
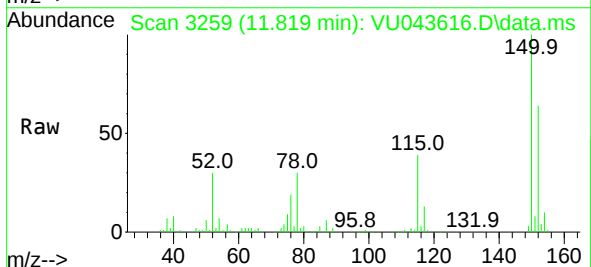
Instrument :
MSVOA_U
ClientSampleId :
OWL-C7-GW

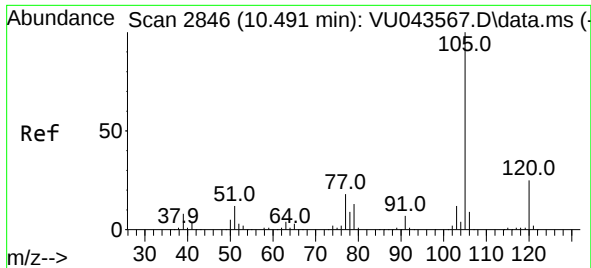
Tgt Ion:106 Resp: 67
Ion Ratio Lower Upper
106 100
91 752.2 114.5 343.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

Tgt Ion:152 Resp: 98671
Ion Ratio Lower Upper
152 100
115 61.9 46.1 138.3
150 157.0 0.0 361.0

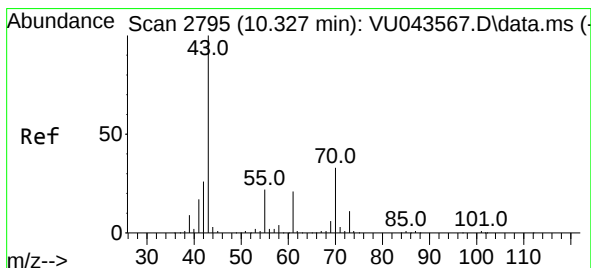
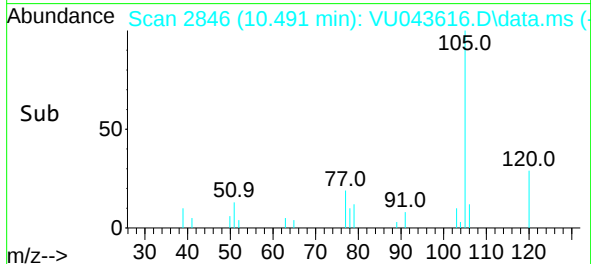
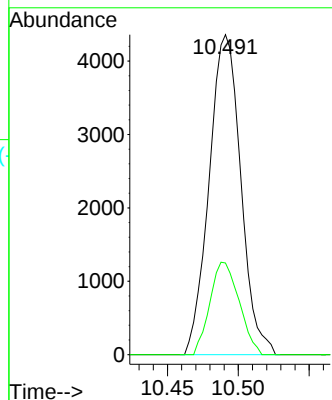
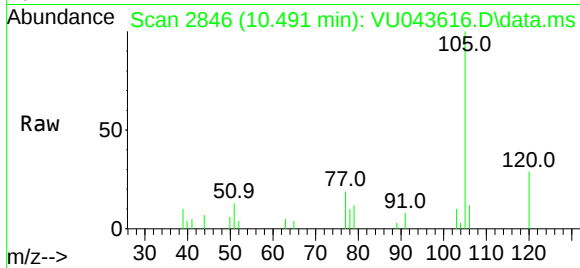




#73
Isopropylbenzene
Concen: 0.96 ug/l
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

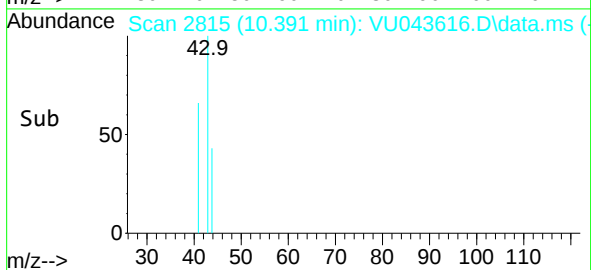
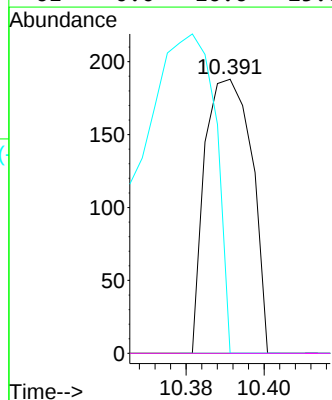
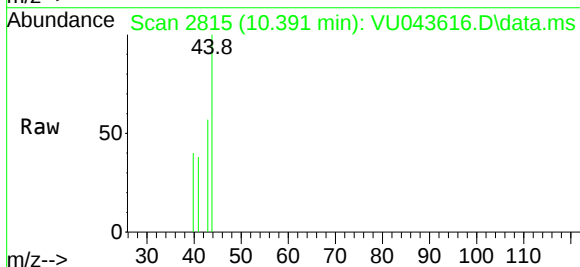
Instrument :
MSVOA_U
ClientSampleId :
OWL-C7-GW

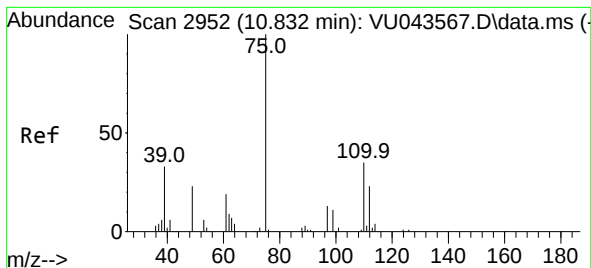
Tgt Ion:105 Resp: 6772
Ion Ratio Lower Upper
105 100
120 26.6 12.6 37.6



#74
N-ethyl acetate
Concen: 2.55 ug/l
RT: 10.391 min Scan# 2815
Delta R.T. 0.064 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

Tgt Ion: 43 Resp: 157
Ion Ratio Lower Upper
43 100
70 0.0 26.4 39.6#
55 187.3 18.0 27.0#
61 0.0 16.6 25.0#

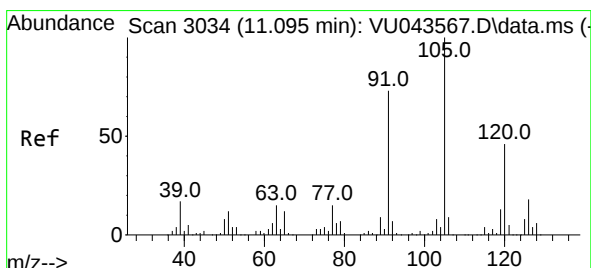
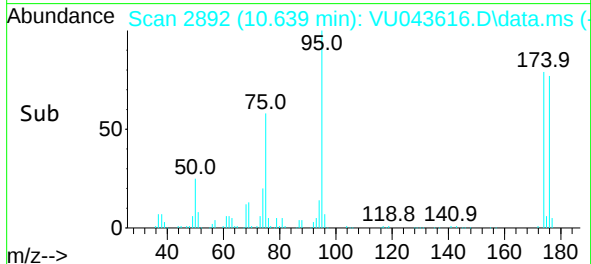
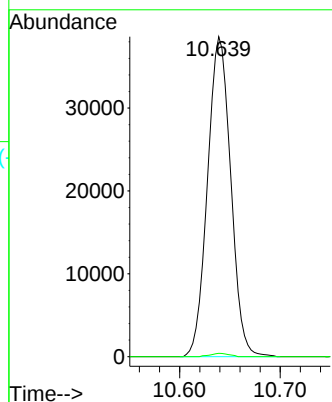
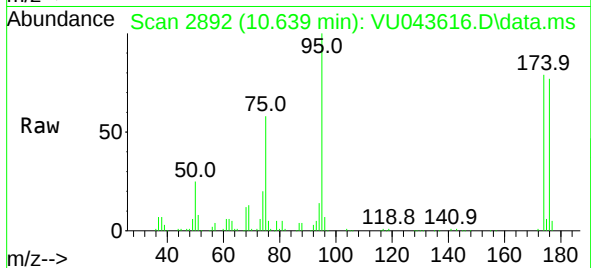




#76
1,2,3-Trichloropropane
Concen: 19.77 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

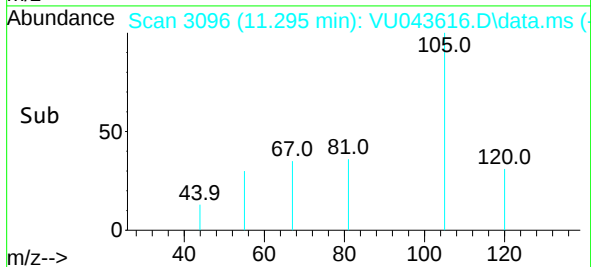
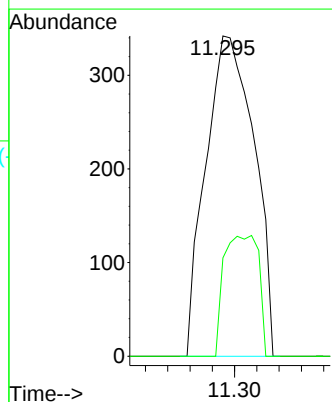
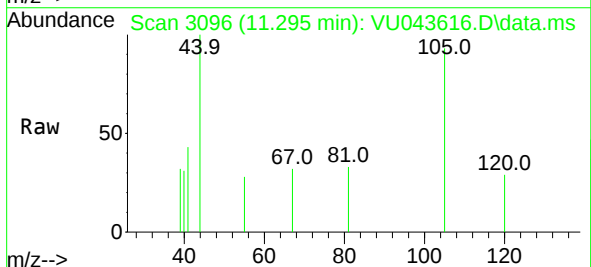
Instrument :
MSVOA_U
ClientSampleId :
OWL-C7-GW

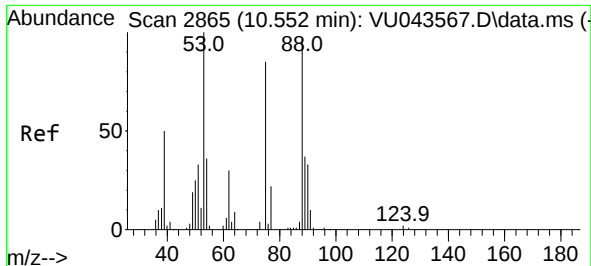
Tgt Ion: 75 Resp: 62022
Ion Ratio Lower Upper
75 100
77 0.9 17.1 51.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.81 ug/l
RT: 11.295 min Scan# 3096
Delta R.T. 0.200 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

Tgt Ion:105 Resp: 516
Ion Ratio Lower Upper
105 100
120 26.9 22.9 68.7

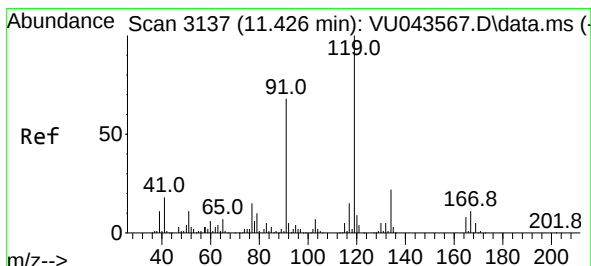
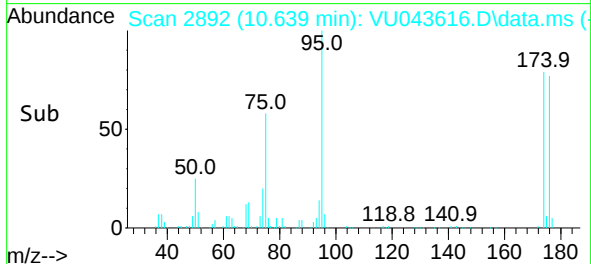
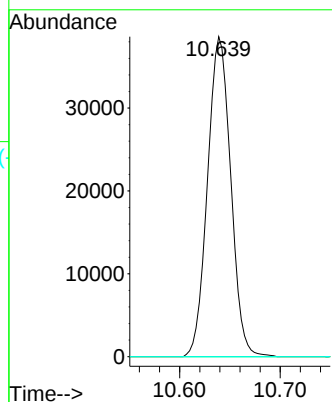
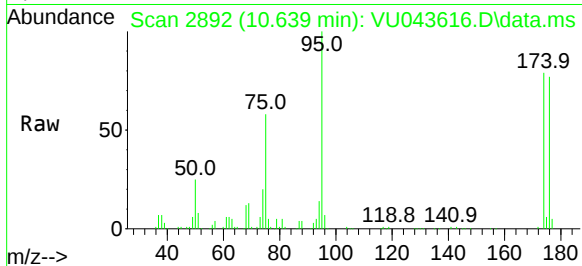




#81
trans-1,4-Dichloro-2-butene
Concen: 64.38 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

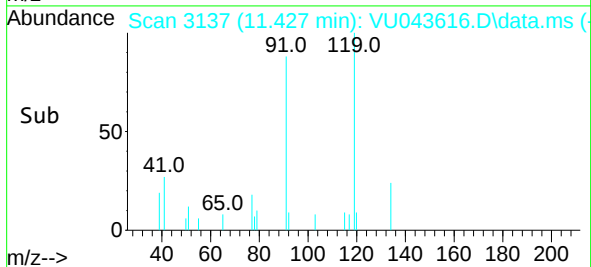
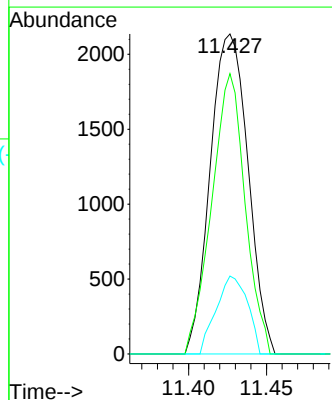
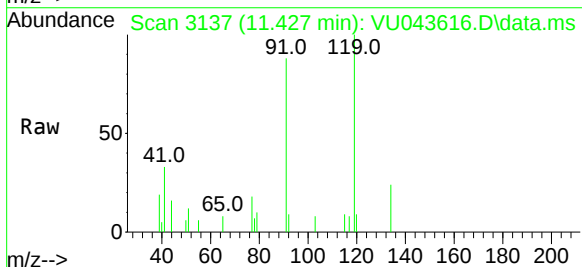
Instrument :
MSVOA_U
ClientSampleId :
OWL-C7-GW

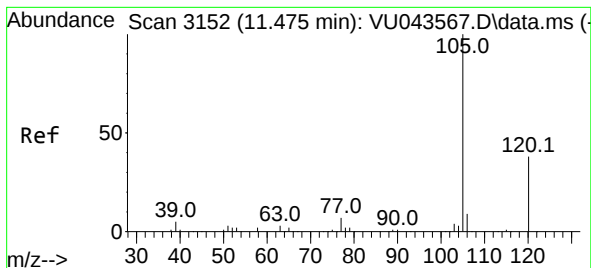
Tgt Ion: 75 Resp: 62022
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#



#83
tert-Butylbenzene
Concen: 0.61 ug/l
RT: 11.427 min Scan# 3137
Delta R.T. 0.000 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

Tgt Ion: 119 Resp: 3607
Ion Ratio Lower Upper
119 100
91 77.3 32.0 96.0
134 20.1 10.9 32.9





#84

1,2,4-Trimethylbenzene

Concen: 1.19 ug/l

RT: 11.295 min Scan# 3096

Delta R.T. -0.180 min

Lab File: VU043616.D

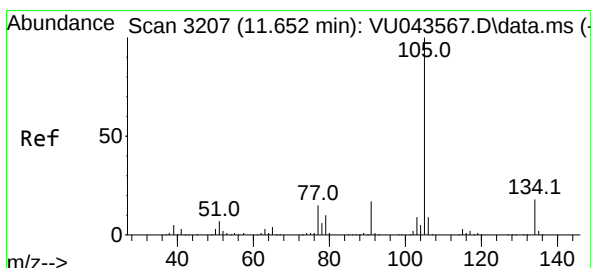
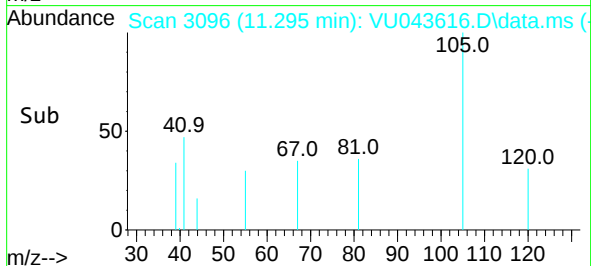
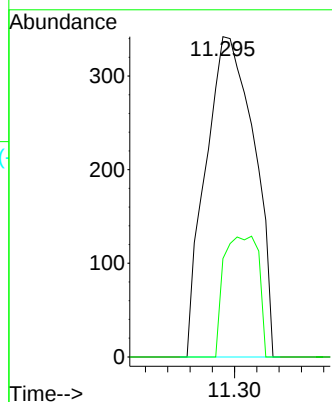
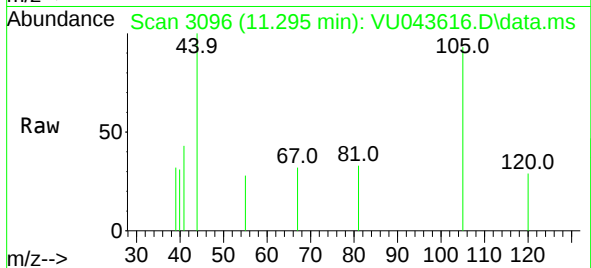
Acq: 07 May 2021 16:40

Tgt Ion:105 Resp: 516

Ion Ratio Lower Upper

105 100

120 26.9 21.4 64.2



#85

sec-Butylbenzene

Concen: 2.25 ug/l

RT: 11.648 min Scan# 3206

Delta R.T. -0.004 min

Lab File: VU043616.D

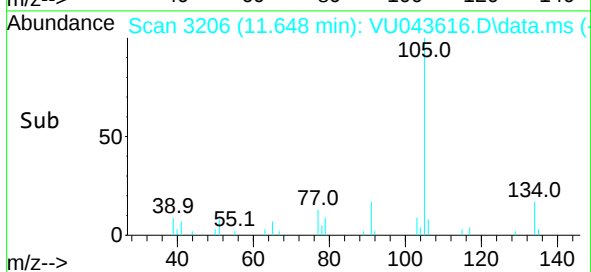
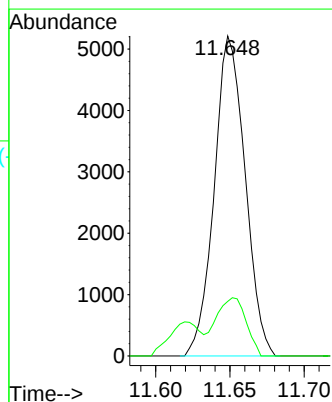
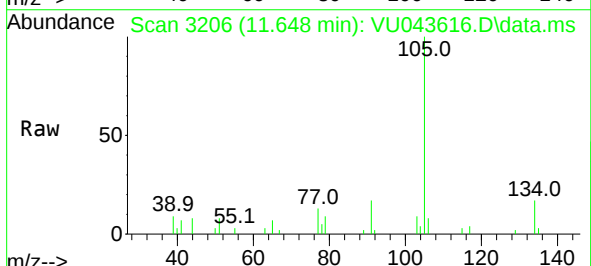
Acq: 07 May 2021 16:40

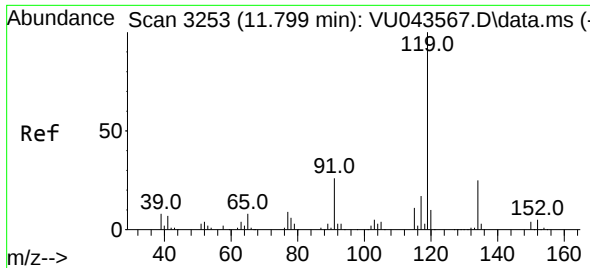
Tgt Ion:105 Resp: 7534

Ion Ratio Lower Upper

105 100

134 17.9 9.2 27.6

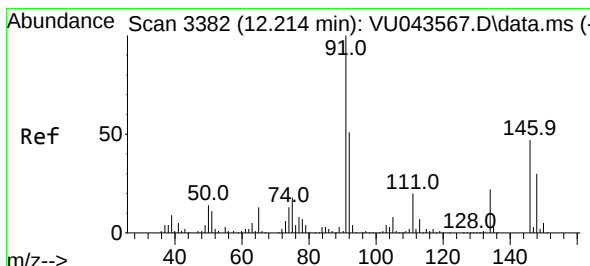
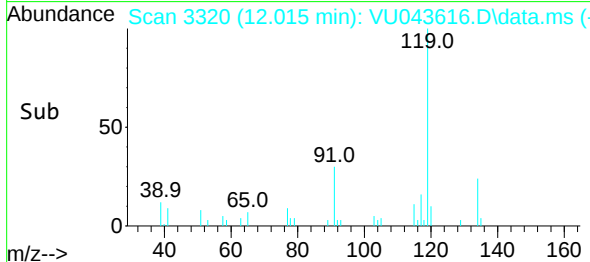
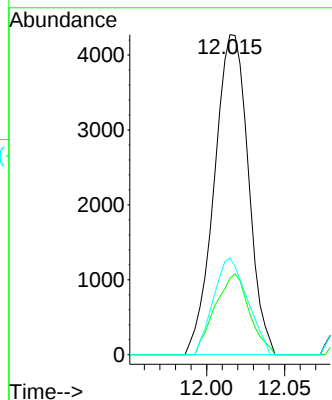
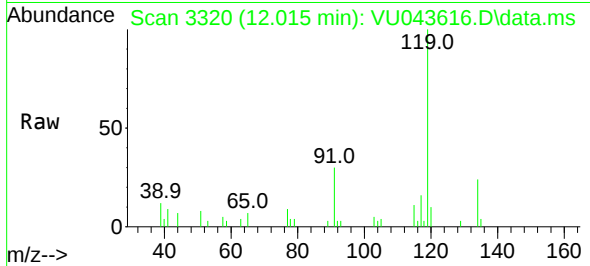




#86
p-Isopropyltoluene
Concen: 2.38 ug/l
RT: 12.015 min Scan# 3320
Delta R.T. 0.216 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

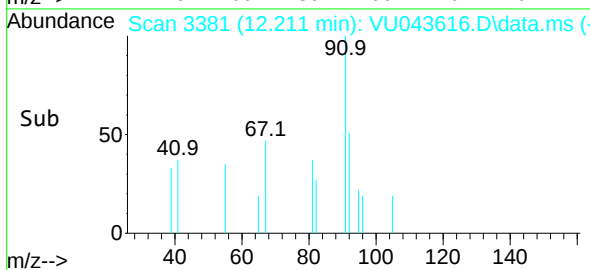
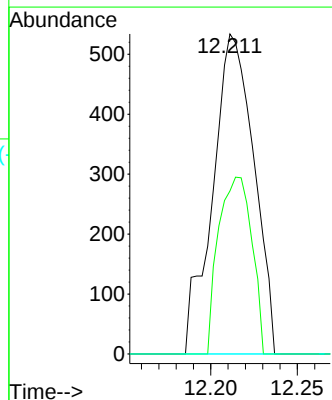
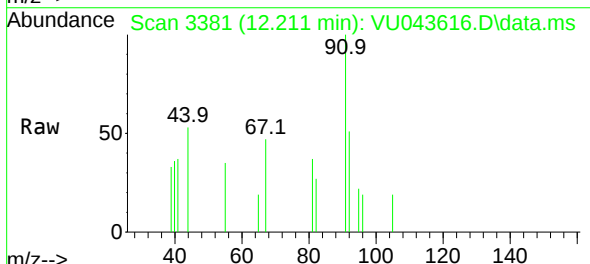
Instrument :
MSVOA_U
ClientSampleId :
OWL-C7-GW

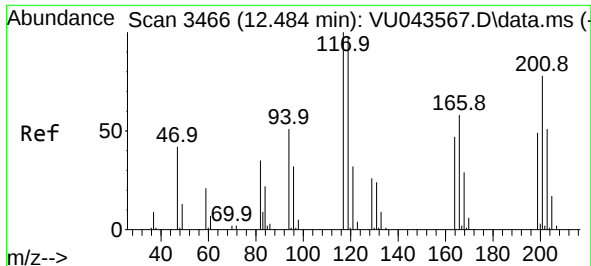
Tgt Ion:	119	Resp:	6484
Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.7	38.0
91	30.2	13.3	39.9



#89
n-Butylbenzene
Concen: 2.65 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. -0.003 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

Tgt Ion:	91	Resp:	883
Ion	Ratio	Lower	Upper
91	100		
92	44.5	25.4	76.2
134	0.0	11.3	33.9#

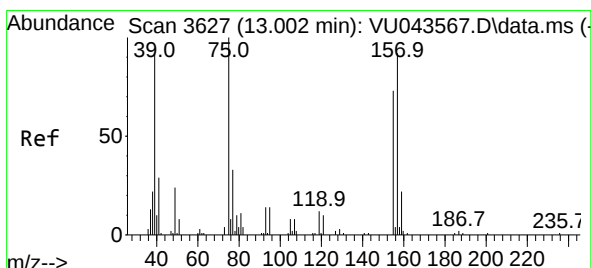
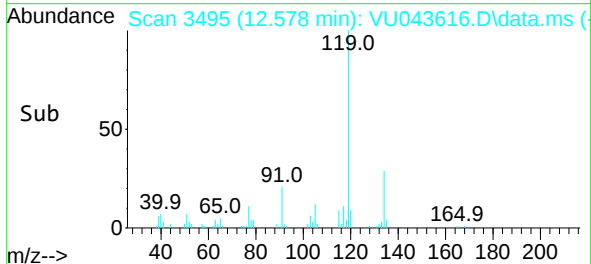
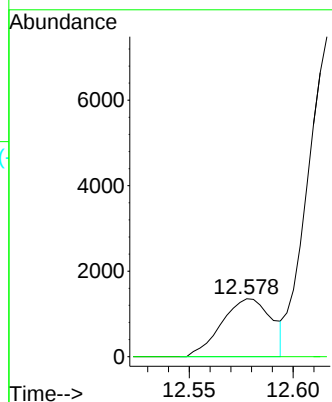
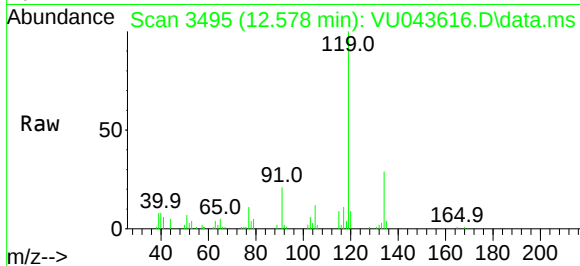




#90
Hexachloroethane
Concen: 2.31 ug/l
RT: 12.578 min Scan# 3495
Delta R.T. 0.093 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

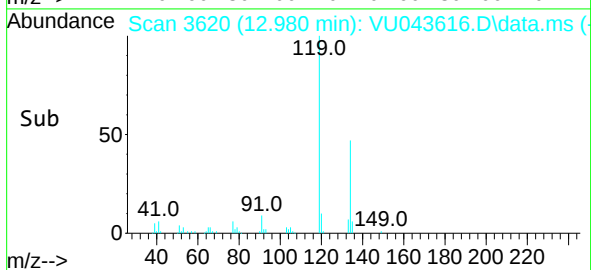
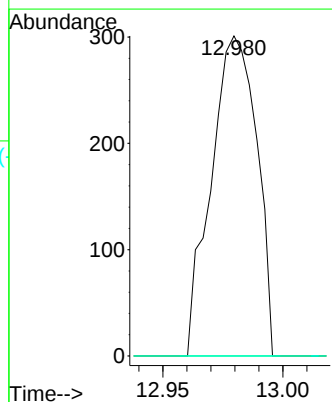
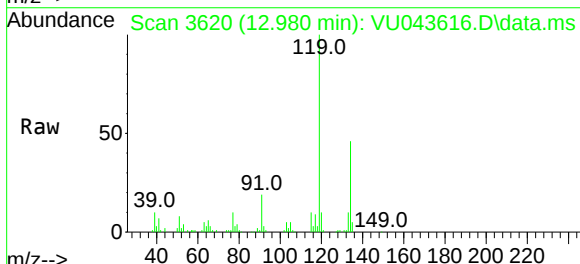
Instrument :
MSVOA_U
ClientSampleId :
OWL-C7-GW

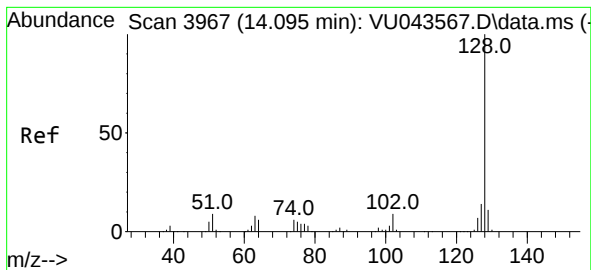
Tgt Ion:117 Resp: 2281
Ion Ratio Lower Upper
117 100
201 0.0 38.6 115.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.48 ug/l
RT: 12.980 min Scan# 3620
Delta R.T. -0.022 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

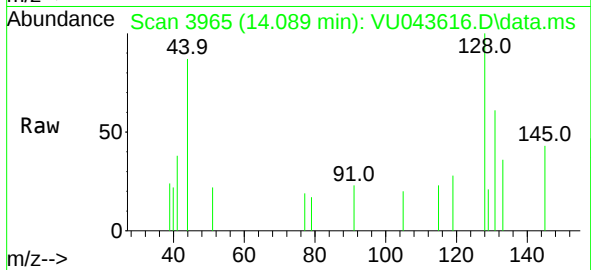
Tgt Ion: 75 Resp: 398
Ion Ratio Lower Upper
75 100
155 0.0 36.7 110.1#
157 0.0 47.1 141.4#





#95
Naphthalene
Concen: 1.57 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. -0.006 min
Lab File: VU043616.D
Acq: 07 May 2021 16:40

Instrument :
MSVOA_U
ClientSampleId :
OWL-C7-GW



Tgt Ion:128 Resp: 426
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 12.8#

