

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU042014.D
 Acq On : 14 Jan 2021 05:04
 Operator : SY/MD
 Sample : M1129-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:52:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 15 02:46:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.343	114	82903	5.00	ug/L	0.08
28) Chlorobenzene-d5	9.439	117	68931	5.00	ug/L	0.02
60) 1,4-Dichlorobenzene-d4	11.816	152	23861	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.652	65	40200	6.42	ug/L	0.05
Spiked Amount 5.000	Range	40 - 130	Recovery	= 128.40%		
7) Chloroethane-d5	1.986	69	39686	6.70	ug/L	0.07
Spiked Amount 5.000	Range	65 - 130	Recovery	= 134.00%#		
11) 1,1-Dichloroethene-d2	2.639	63	64661	5.13	ug/L	0.06
Spiked Amount 5.000	Range	60 - 125	Recovery	= 102.60%		
20) 2-Butanone-d5	4.809	46	116384	55.44	ug/L	0.15
Spiked Amount 50.000	Range	40 - 130	Recovery	= 110.88%		
24) Chloroform-d	5.137	84	94965	7.41	ug/L	0.06
Spiked Amount 5.000	Range	70 - 125	Recovery	= 148.20%#		
26) 1,2-Dichloroethane-d4	5.813	65	38914	5.57	ug/L	0.10
Spiked Amount 5.000	Range	70 - 130	Recovery	= 111.40%		
32) Benzene-d6	5.829	84	125388	5.62	ug/L	0.09
Spiked Amount 5.000	Range	70 - 125	Recovery	= 112.40%		
36) 1,2-Dichloropropane-d6	6.774	67	42815	5.86	ug/L	0.07
Spiked Amount 5.000	Range	60 - 140	Recovery	= 117.20%		
41) Toluene-d8	7.944	98	84992	4.27	ug/L	0.04
Spiked Amount 5.000	Range	70 - 130	Recovery	= 85.40%		
43) trans-1,3-Dichloroprop...	8.221	79	15612	5.32	ug/L	0.04
Spiked Amount 5.000	Range	55 - 130	Recovery	= 106.40%		
46) 2-Hexanone-d5	8.677	63	73211	48.62	ug/L	0.04
Spiked Amount 50.000	Range	45 - 130	Recovery	= 97.24%		
57) 1,1,2,2-Tetrachloroeth...	10.764	84	35283	6.34	ug/L	0.00
Spiked Amount 5.000	Range	65 - 120	Recovery	= 126.80%#		
64) 1,2-Dichlorobenzene-d4	12.195	152	26816	5.97	ug/L	0.00
Spiked Amount 5.000	Range	80 - 120	Recovery	= 119.40%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.565	50	142994	14.94	ug/L	98
8) Chloroethane	1.970	64	2168	0.36	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-...	2.633	101	555	0.08	ug/L #	21
12) 1,1-Dichloroethene	2.636	96	589	0.09	ug/L #	1
13) Acetone	2.829	43	4687	3.57	ug/L	62
14) Carbon disulfide	2.867	76	29476	1.38	ug/L #	94
15) Methyl Acetate	2.916	43	615	0.19	ug/L #	51
17) Methyl tert-butyl Ether	3.494	73	3226	0.19	ug/L #	85
21) 2-Butanone	4.575	43	6705	3.21	ug/L #	8
22) cis-1,2-Dichloroethene	4.745	96	2039	0.30	ug/L	91
25) Chloroform	5.150	83	1769	0.14	ug/L	83
27) 1,2-Dichloroethane	5.822	62	417	0.05	ug/L #	75
33) Benzene	5.829	78	1101	0.04	ug/L	100
34) Trichloroethene	6.626	95	919100	144.13	ug/L	98
35) Methylcyclohexane	6.774	83	10603	1.05	ug/L #	16
37) 1,2-Dichloropropane	6.774	63	4685	0.71	ug/L #	94
38) Bromodichloromethane	6.964	83	1110	0.13	ug/L #	24
39) cis-1,3-Dichloropropene	7.620	75	909	0.09	ug/L #	73
42) Toluene	8.012	91	1026	0.04	ug/L	86

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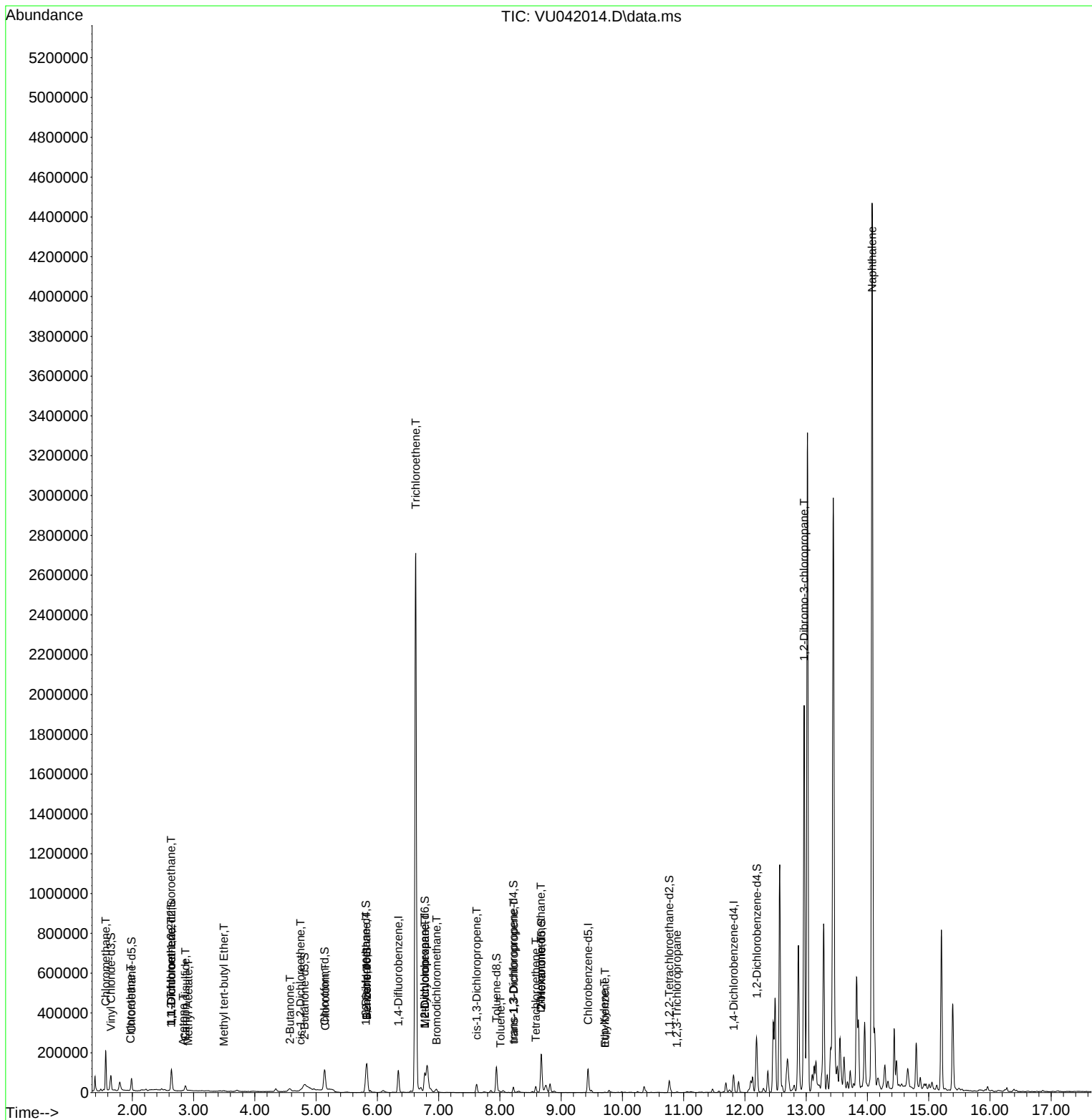
Quant Time: Jan 15 02:52:02 2021
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 Quant Title : TRACE VOA SOM01.0
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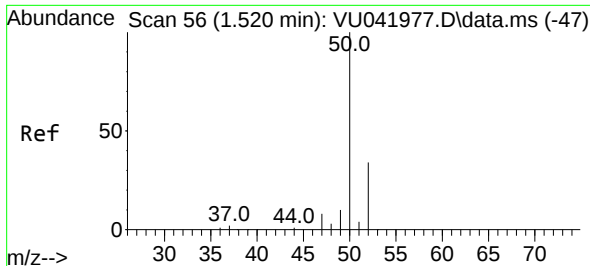
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) trans-1,3-Dichloropropene	8.227	75	547	0.06	ug/L #	81
47) Tetrachloroethene	8.587	164	6706	1.62	ug/L	97
48) 2-Hexanone	8.674	43	8634	2.79	ug/L #	69
49) Dibromochloromethane	8.671	129	642	0.13	ug/L #	11
52) Ethylbenzene	9.716	91	1254	0.05	ug/L	91
53) m,p-Xylene	9.706	106	527	0.06	ug/L #	55
59) 1,2,3-Trichloropropane	10.890	75	298	0.07	ug/L #	43
66) 1,2-Dibromo-3-chloropr...	12.967	75	8172	11.60	ug/L #	8
69) Naphthalene	14.076	128	3381401	452.14	ug/L	100

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

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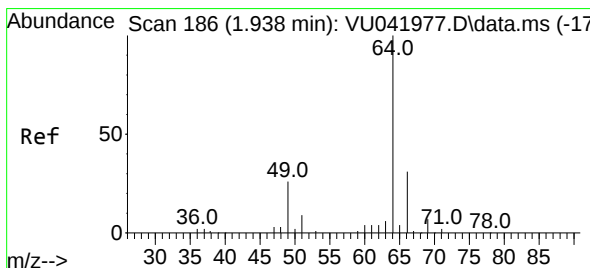
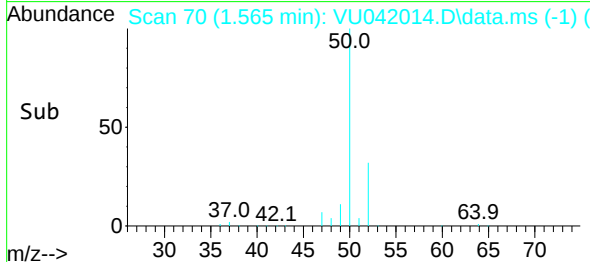
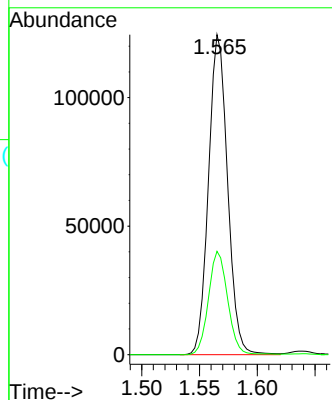
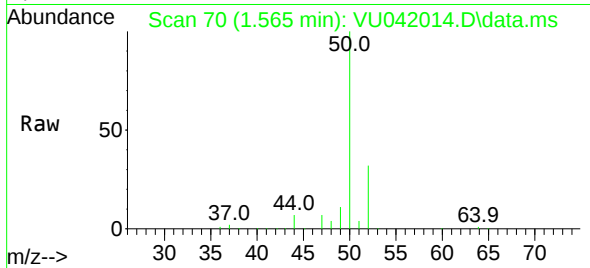




#3
Chloromethane
Concen: 14.94 ug/L
RT: 1.565 min Scan# 70
Delta R.T. 0.045 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

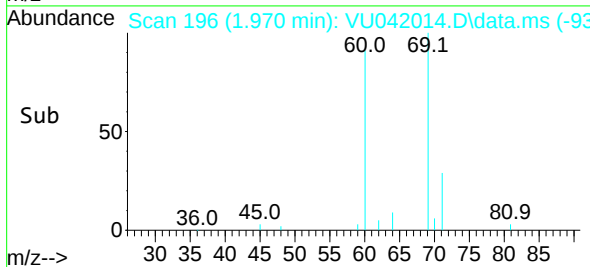
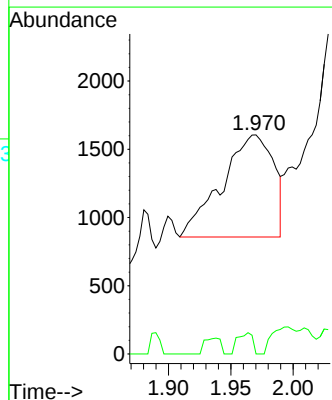
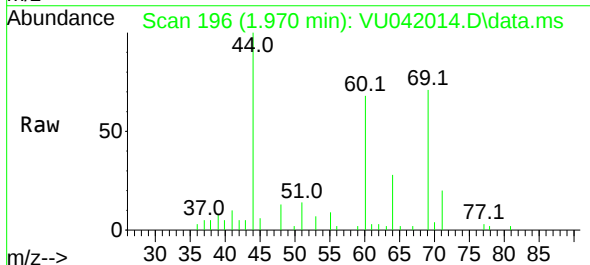
Instrument :
MSVOA_U
ClientSampleId :

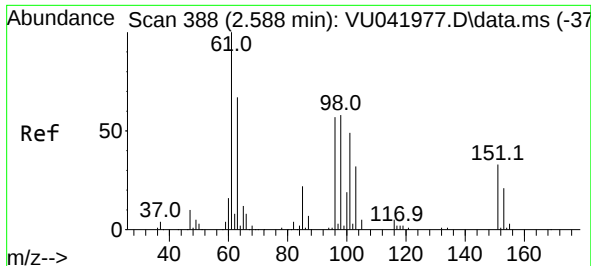
Tgt Ion: 50 Resp: 142994
Ion Ratio Lower Upper
50 100
52 32.3 23.5 43.7



#8
Chloroethane
Concen: 0.36 ug/L
RT: 1.970 min Scan# 196
Delta R.T. 0.032 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Tgt Ion: 64 Resp: 2168
Ion Ratio Lower Upper
64 100
66 0.0 21.6 40.2#

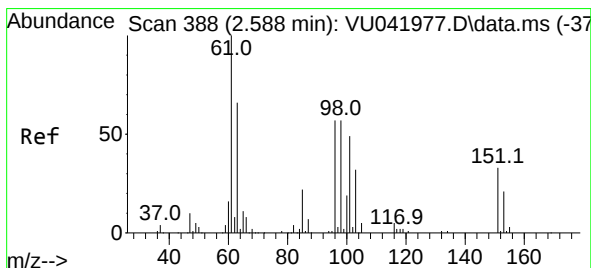
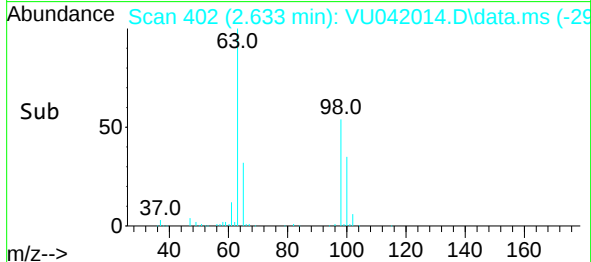
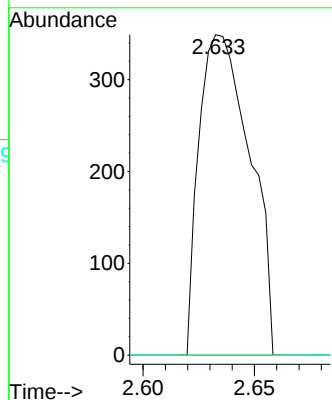
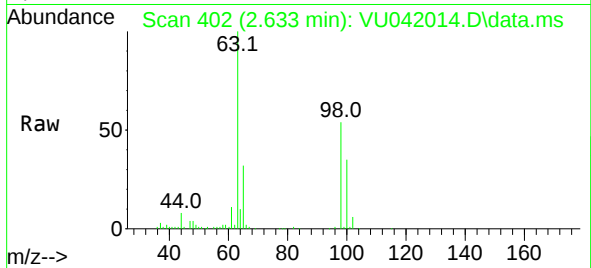




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.08 ug/L
RT: 2.633 min Scan# 402
Delta R.T. 0.045 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

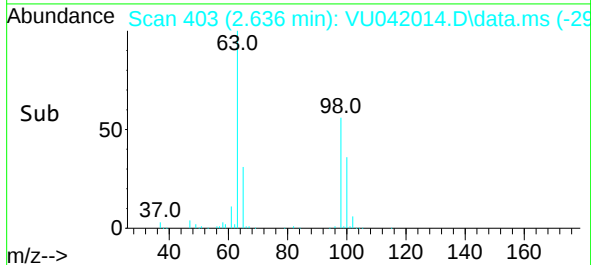
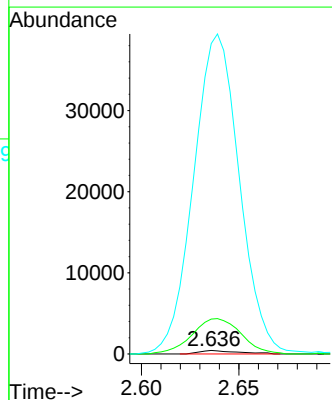
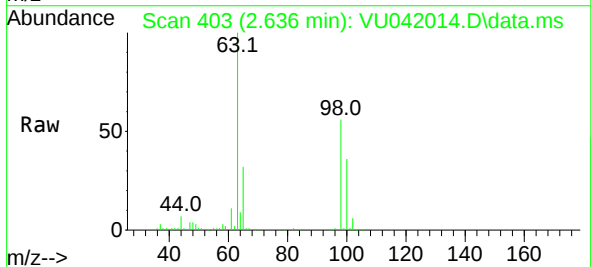
Instrument :
MSVOA_U
ClientSampled :

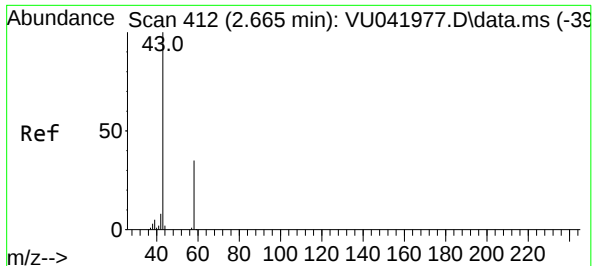
Tgt Ion:101 Resp: 555
Ion Ratio Lower Upper
101 100
85 0.0 35.9 53.9#
151 0.0 55.4 83.2#



#12
1,1-Dichloroethene
Concen: 0.09 ug/L
RT: 2.636 min Scan# 403
Delta R.T. 0.048 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Tgt Ion: 96 Resp: 589
Ion Ratio Lower Upper
96 100
61 1004.7 122.2 226.9#
63 8940.2 82.8 153.8#

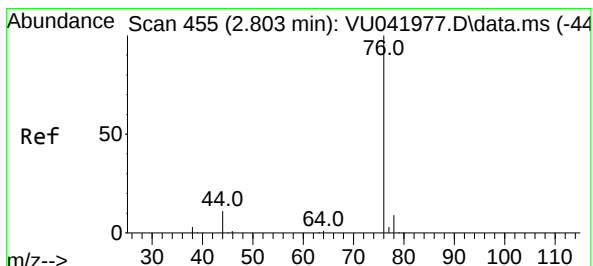
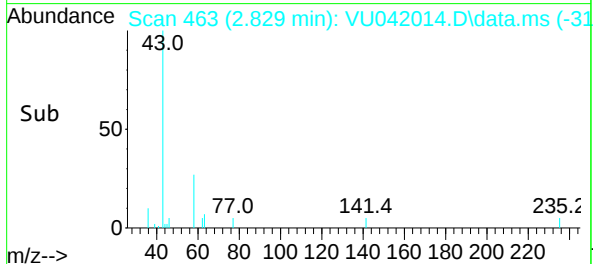
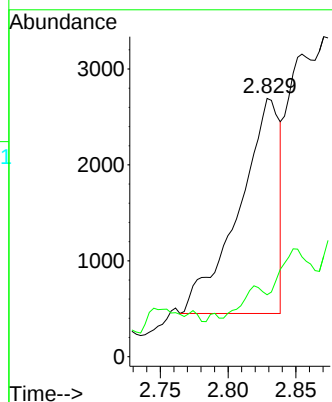
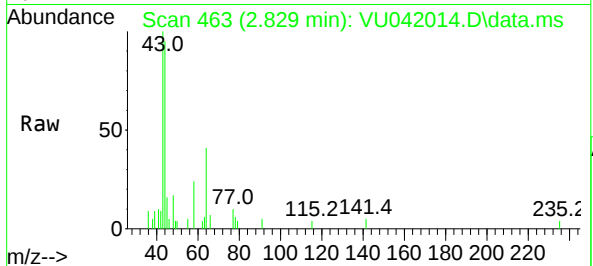




#13
Acetone
Concen: 3.57 ug/L
RT: 2.829 min Scan# 463
Delta R.T. 0.164 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

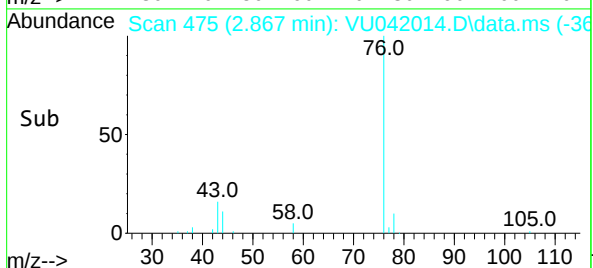
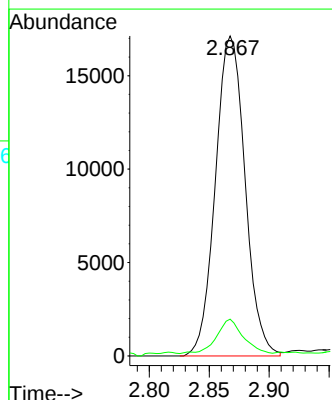
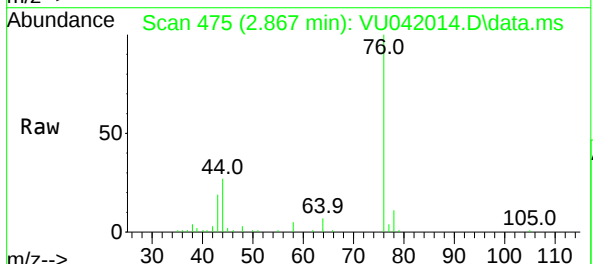
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MSVOA_U
ClientSampled :

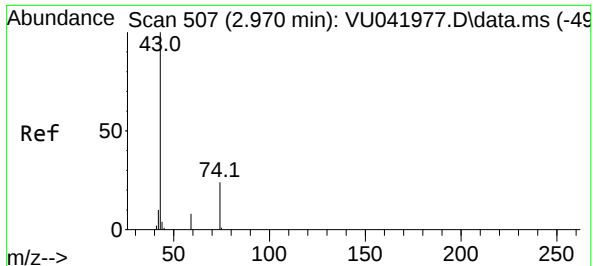
Tgt Ion: 43 Resp: 4687
Ion Ratio Lower Upper
43 100
58 8.3 0.0 57.4



#14
Carbon disulfide
Concen: 1.38 ug/L
RT: 2.867 min Scan# 475
Delta R.T. 0.064 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Tgt Ion: 76 Resp: 29476
Ion Ratio Lower Upper
76 100
78 11.5 7.4 11.0#

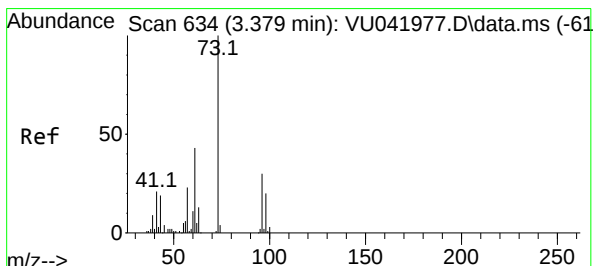
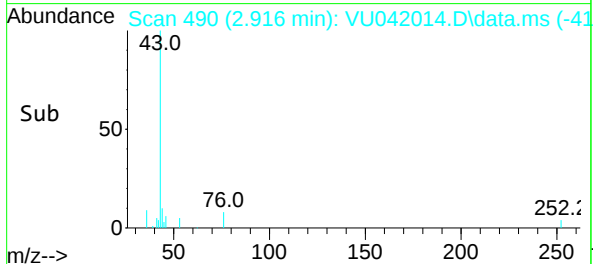
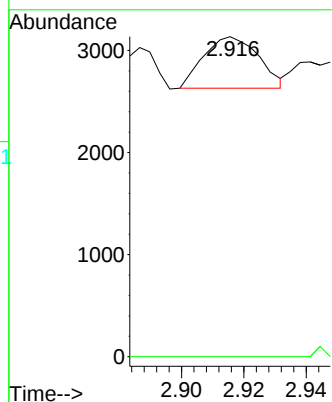
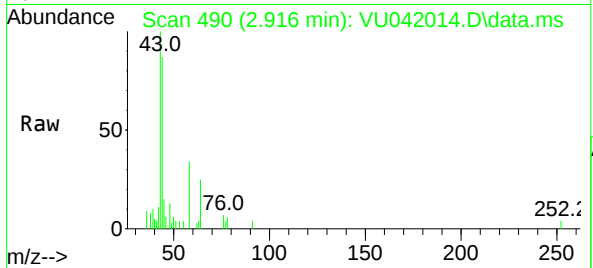




#15
Methyl Acetate
Concen: 0.19 ug/L
RT: 2.916 min Scan# 490
Delta R.T. -0.055 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

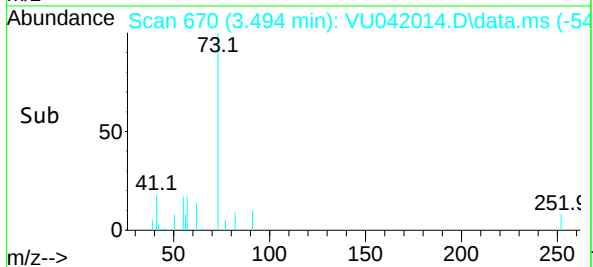
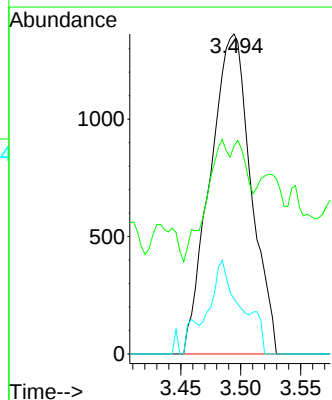
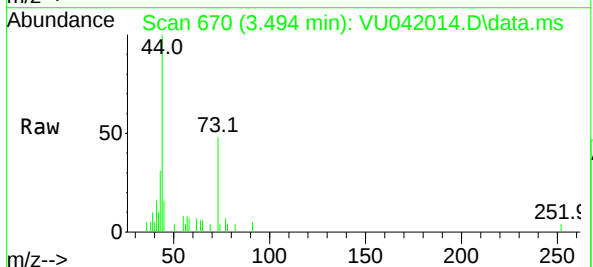
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MSVOA_U
ClientSampleId :

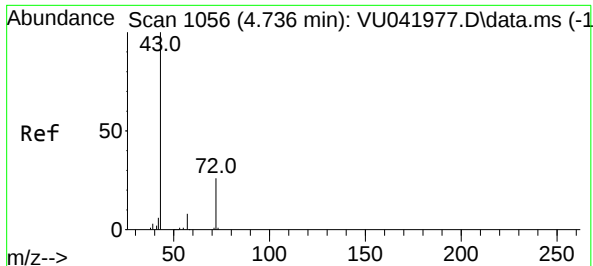
Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#17
Methyl tert-butyl Ether
Concen: 0.19 ug/L
RT: 3.494 min Scan# 670
Delta R.T. 0.116 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Tgt Ion: 73 Resp: 3226
Ion Ratio Lower Upper
73 100
43 21.8 15.1 22.7
57 11.5 18.0 27.0#

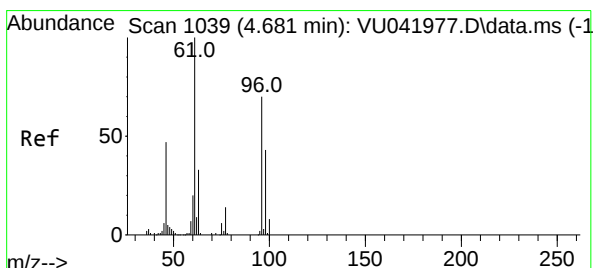
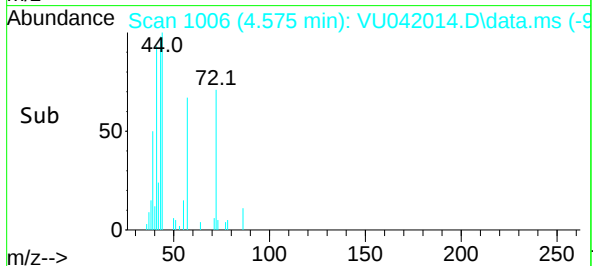
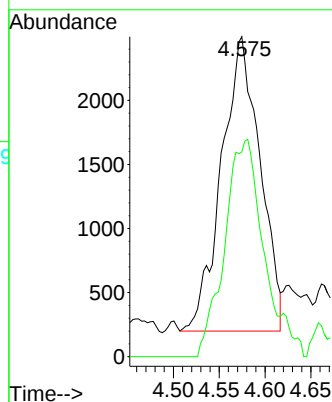
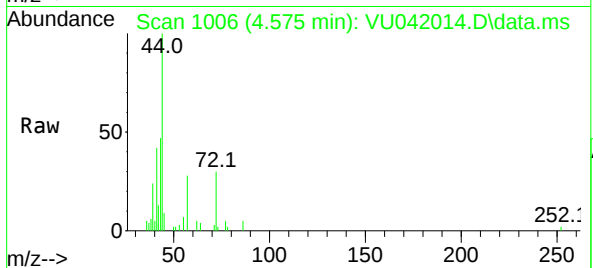




#21
2-Butanone
Concen: 3.21 ug/L
RT: 4.575 min Scan# 1006
Delta R.T. -0.161 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

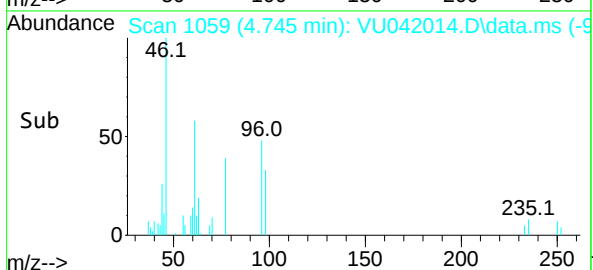
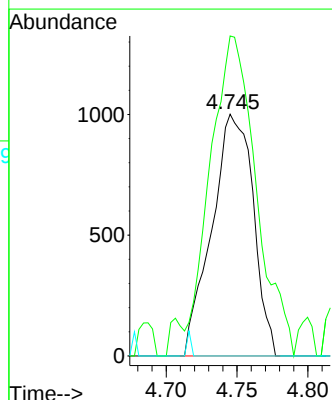
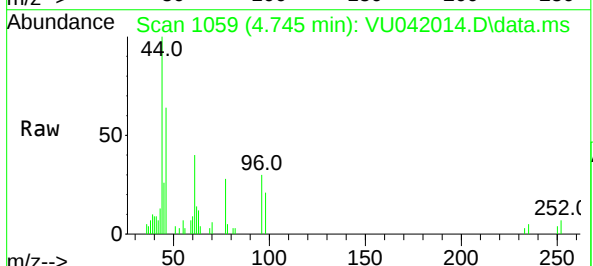
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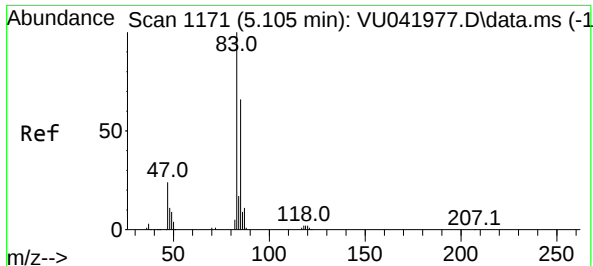
Tgt Ion: 43 Resp: 6705
Ion Ratio Lower Upper
43 100
72 75.1 13.7 41.1#



#22
cis-1,2-Dichloroethene
Concen: 0.30 ug/L
RT: 4.745 min Scan# 1059
Delta R.T. 0.064 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Tgt Ion: 96 Resp: 2039
Ion Ratio Lower Upper
96 100
61 132.4 100.3 186.3
68 0.0 0.0 0.0



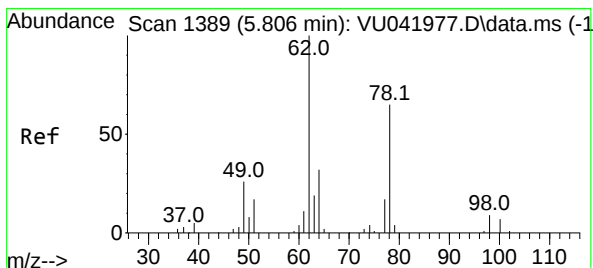
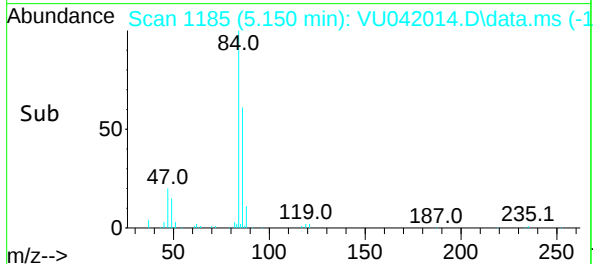
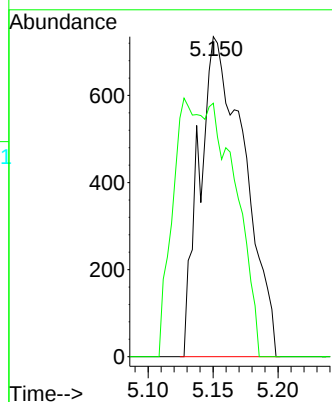
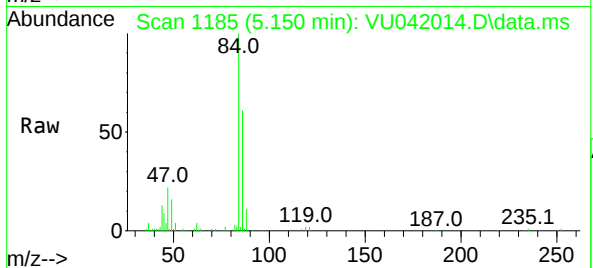


#25

Chloroform
Concen: 0.14 ug/L
RT: 5.150 min Scan# 1185
Delta R.T. 0.045 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Instrument :
MSVOA_U
ClientSampled :

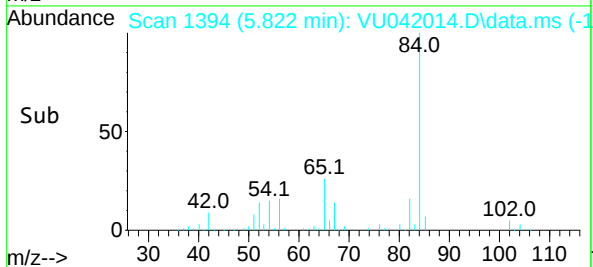
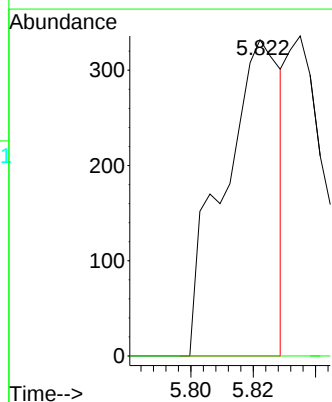
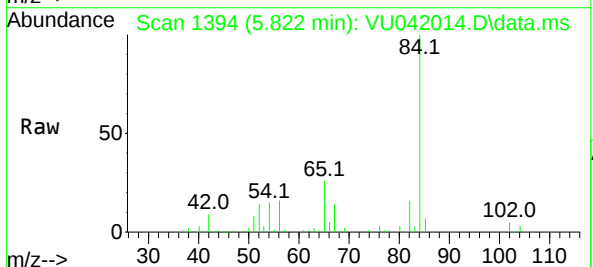
Tgt Ion: 83 Resp: 1769
Ion Ratio Lower Upper
83 100
85 79.2 46.1 85.7

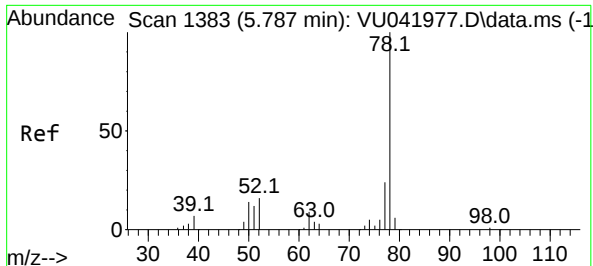


#27

1,2-Dichloroethane
Concen: 0.05 ug/L
RT: 5.822 min Scan# 1394
Delta R.T. 0.016 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Tgt Ion: 62 Resp: 417
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#





#33

Benzene

Concen: 0.04 ug/L

RT: 5.829 min Scan# 1396

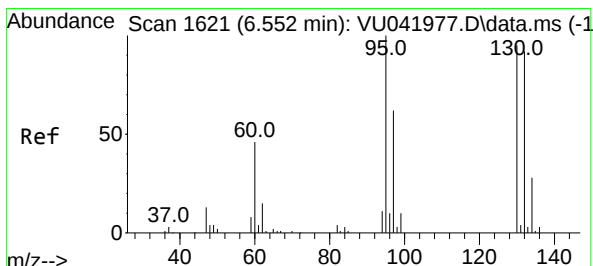
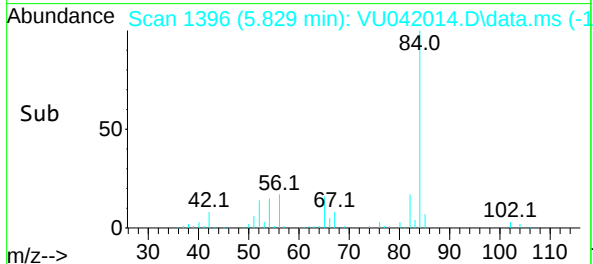
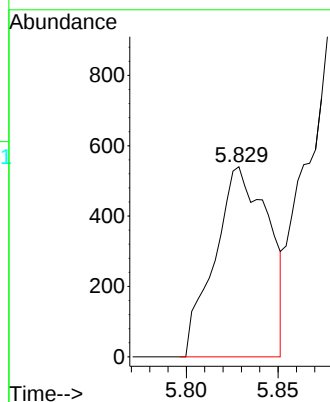
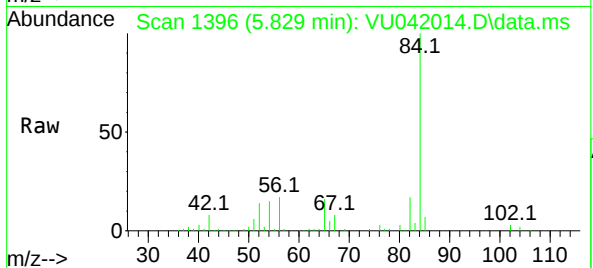
Delta R.T. 0.042 min

Lab File: VU042014.D

Acq: 14 Jan 2021 05:04

Tgt Ion: 78 Resp: 1101

Instrument :
MSVOA_U
ClientSampleId :



#34

Trichloroethene

Concen: 144.13 ug/L

RT: 6.626 min Scan# 1644

Delta R.T. 0.074 min

Lab File: VU042014.D

Acq: 14 Jan 2021 05:04

Tgt Ion: 95 Resp: 919100

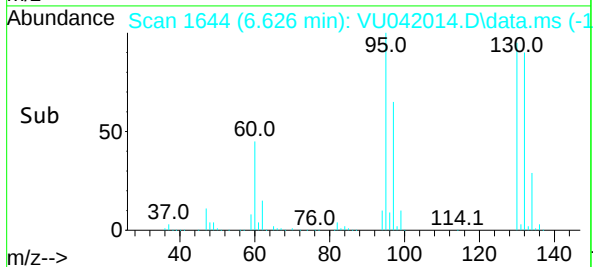
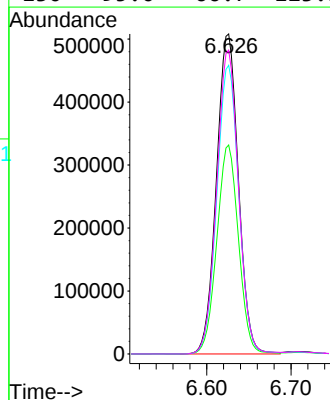
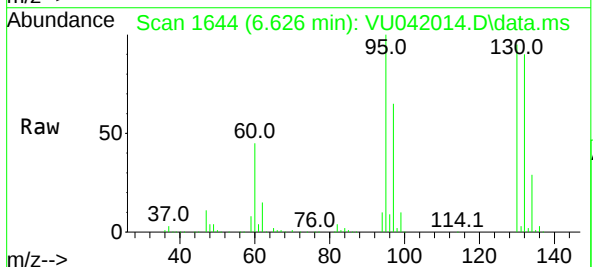
Ion Ratio Lower Upper

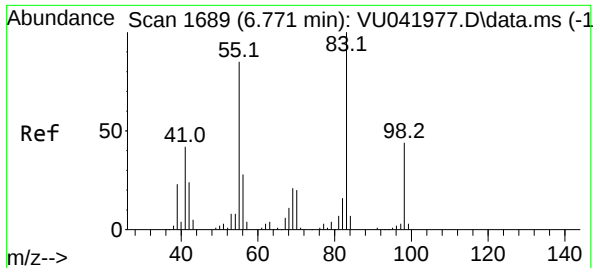
95 100

97 65.3 43.6 81.0

132 90.2 64.3 119.3

130 95.0 66.7 123.9

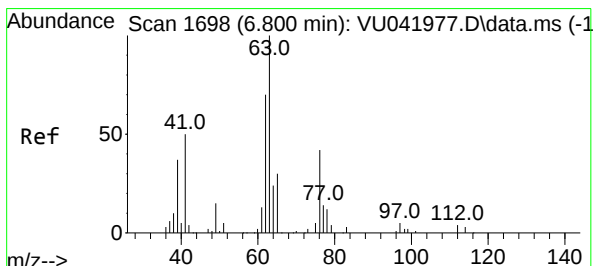
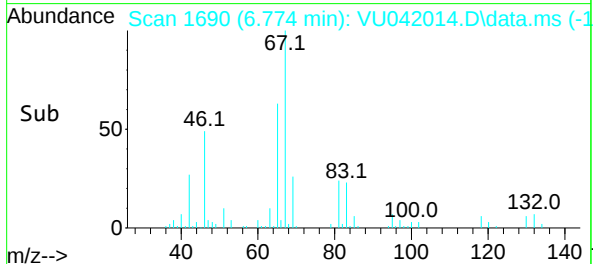
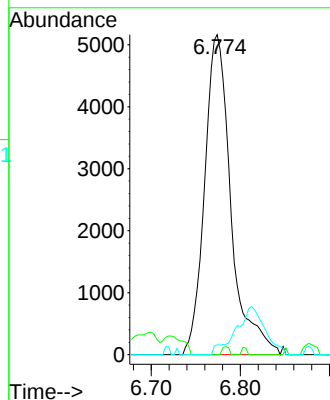
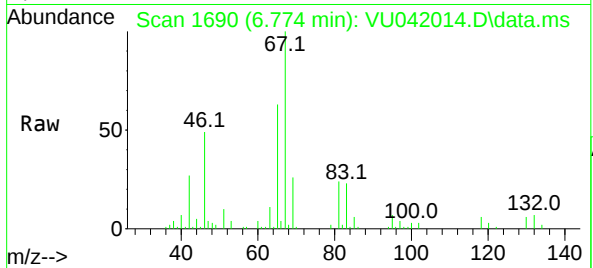




#35
Methylcyclohexane
Concen: 1.05 ug/L
RT: 6.774 min Scan# 1690
Delta R.T. 0.003 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

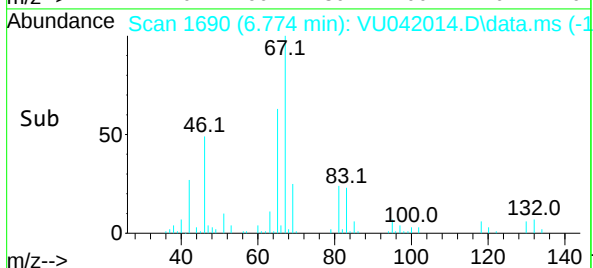
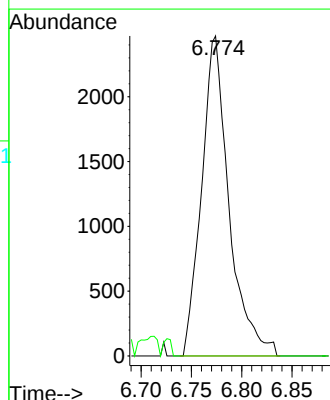
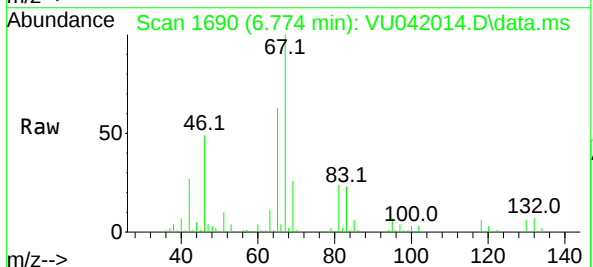
Instrument :
MSVOA_U
ClientSampleId :

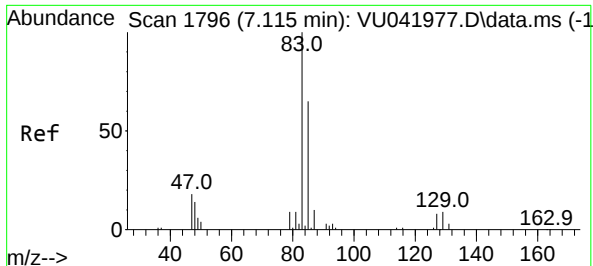
Tgt Ion: 83 Resp: 10603
Ion Ratio Lower Upper
83 100
55 0.6 66.8 100.2#
98 0.0 35.7 53.5#



#37
1,2-Dichloropropane
Concen: 0.71 ug/L
RT: 6.774 min Scan# 1690
Delta R.T. -0.026 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Tgt Ion: 63 Resp: 4685
Ion Ratio Lower Upper
63 100
112 1.5 2.7 4.1#

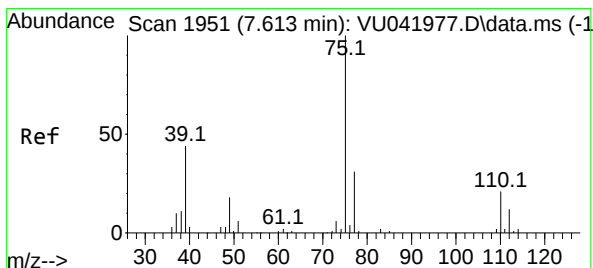
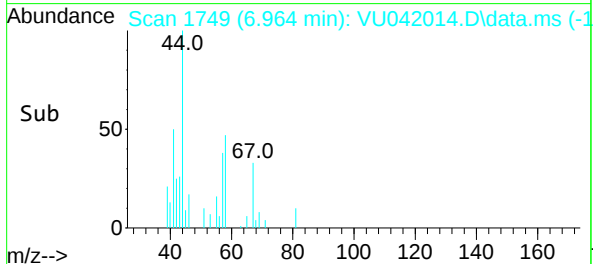
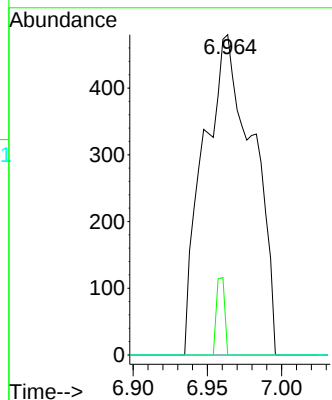
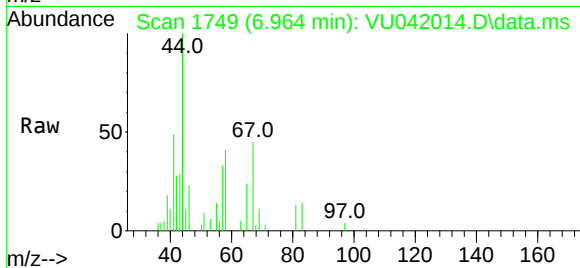




#38
Bromodichloromethane
Concen: 0.13 ug/L
RT: 6.964 min Scan# 1749
Delta R.T. -0.151 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

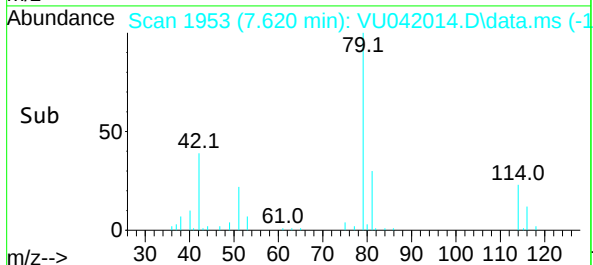
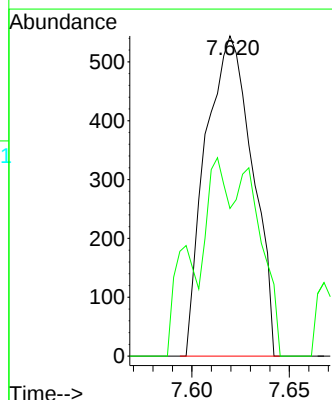
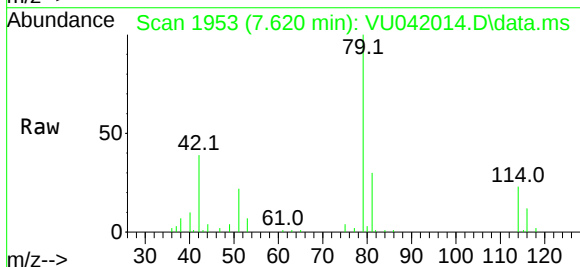
Instrument :
MSVOA_U
ClientSampleId :

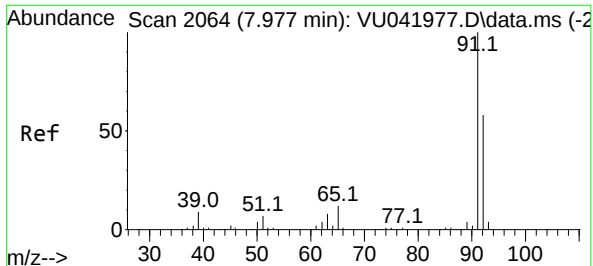
Tgt Ion: 83 Resp: 1110
Ion Ratio Lower Upper
83 100
85 0.0 45.8 85.0#
127 0.0 6.1 9.1#



#39
cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.620 min Scan# 1953
Delta R.T. 0.006 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Tgt Ion: 75 Resp: 909
Ion Ratio Lower Upper
75 100
77 46.1 21.9 40.7#

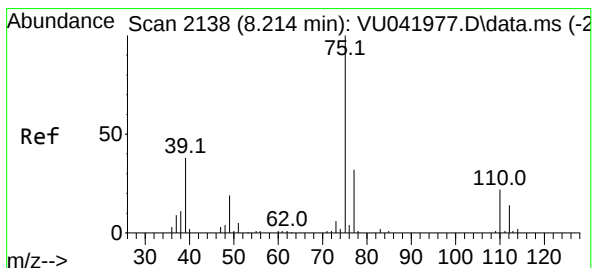
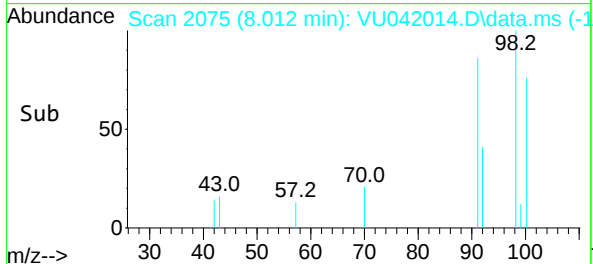
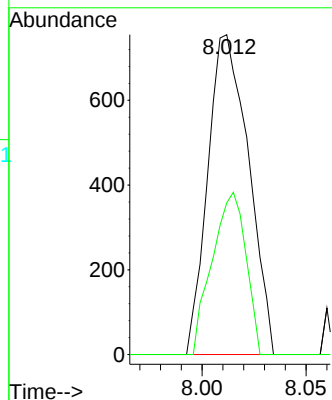
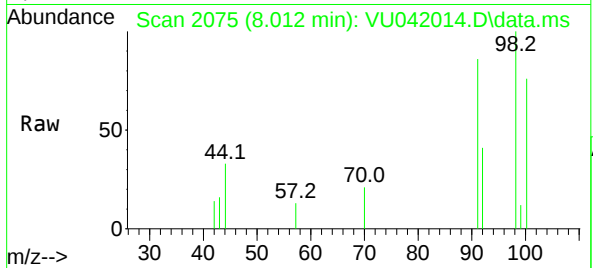




#42
Toluene
Concen: 0.04 ug/L
RT: 8.012 min Scan# 2075
Delta R.T. 0.035 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

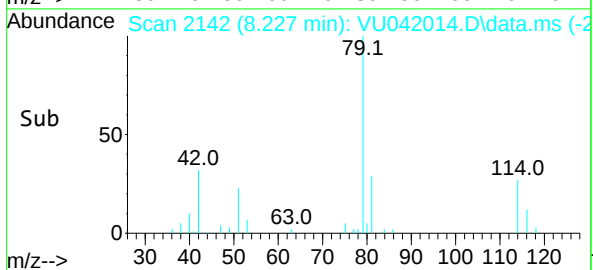
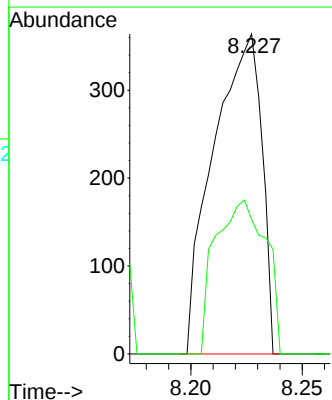
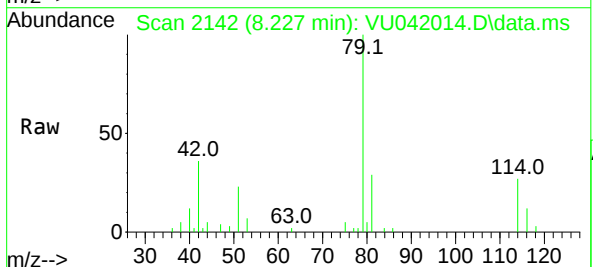
Instrument :
MSVOA_U
ClientSampleId :

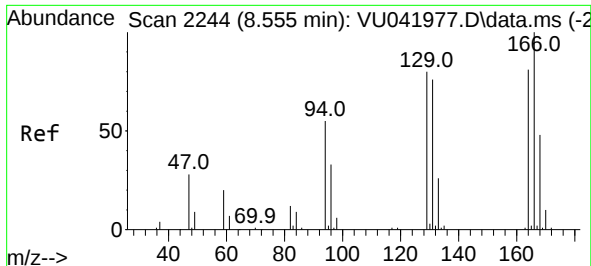
Tgt Ion: 91 Resp: 1026
Ion Ratio Lower Upper
91 100
92 47.4 40.7 75.7



#44
trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 8.227 min Scan# 2142
Delta R.T. 0.013 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

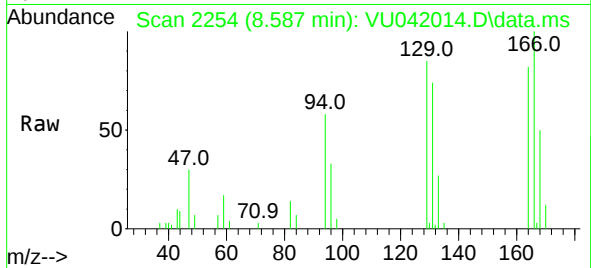
Tgt Ion: 75 Resp: 547
Ion Ratio Lower Upper
75 100
77 42.0 22.0 41.0#



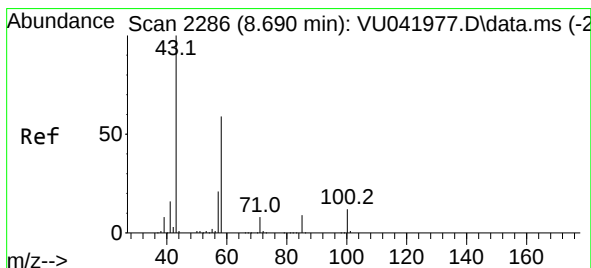
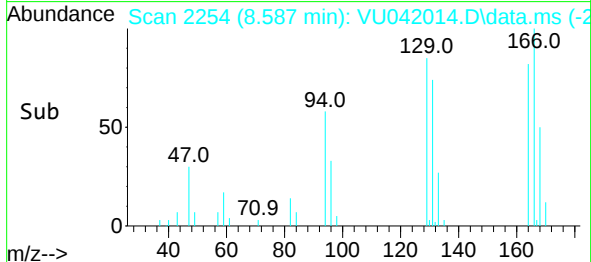
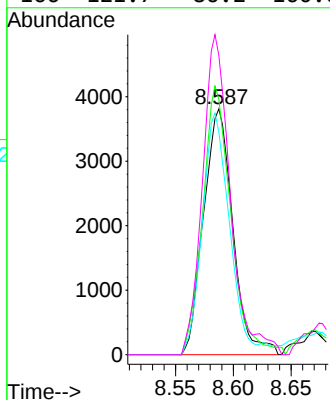


#47
Tetrachloroethene
Concen: 1.62 ug/L
RT: 8.587 min Scan# 2254
Delta R.T. 0.032 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Instrument :
MSVOA_U
ClientSampleId :

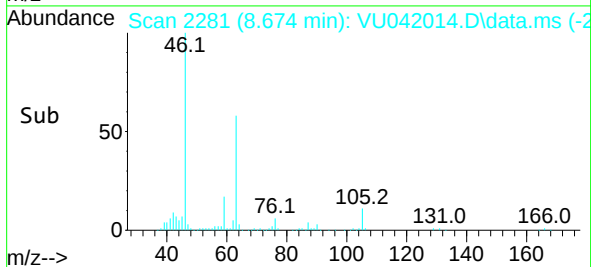
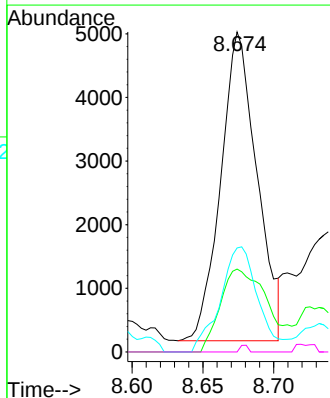
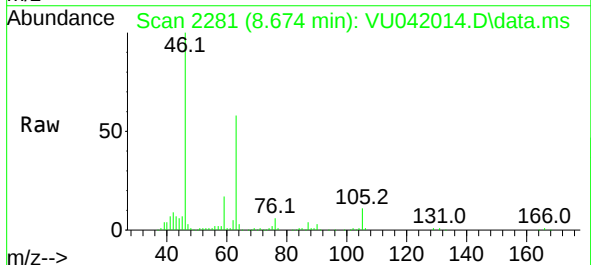


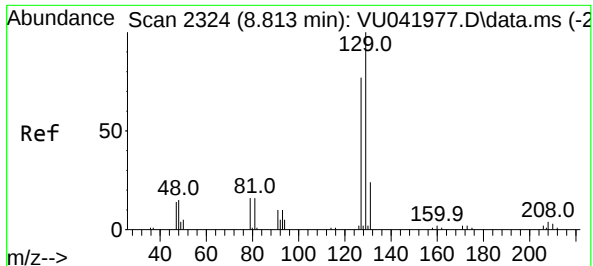
Tgt Ion:164 Resp: 6706
Ion Ratio Lower Upper
164 100
129 104.0 68.7 127.5
131 90.6 65.2 121.0
166 121.7 86.2 160.0



#48
2-Hexanone
Concen: 2.79 ug/L
RT: 8.674 min Scan# 2281
Delta R.T. -0.016 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Tgt Ion: 43 Resp: 8634
Ion Ratio Lower Upper
43 100
58 35.5 47.8 71.8#
57 35.0 17.4 26.0#
100 0.5 9.5 14.3#





#49

Dibromochloromethane

Concen: 0.13 ug/L

RT: 8.671 min Scan# 2280

Delta R.T. -0.142 min

Lab File: VU042014.D

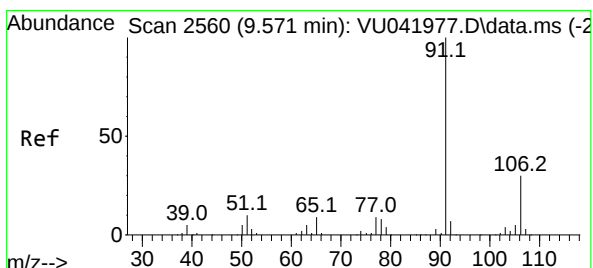
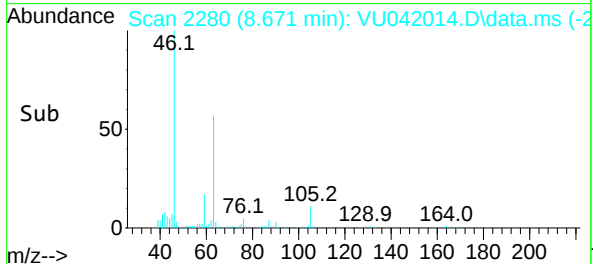
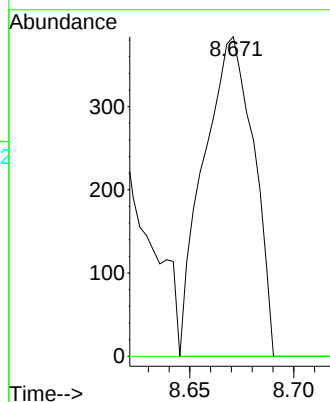
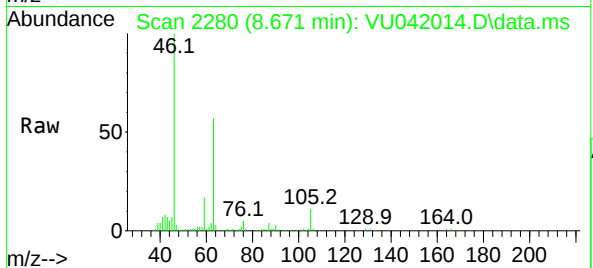
Acq: 14 Jan 2021 05:04

Tgt Ion: 129 Resp: 642

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#



#52

Ethylbenzene

Concen: 0.05 ug/L

RT: 9.716 min Scan# 2605

Delta R.T. 0.145 min

Lab File: VU042014.D

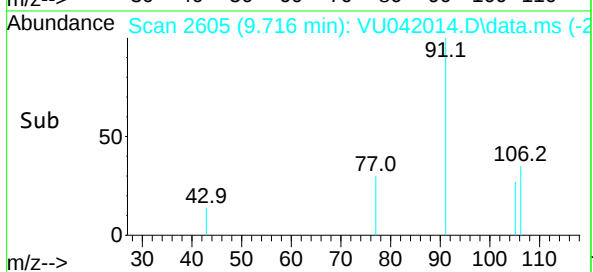
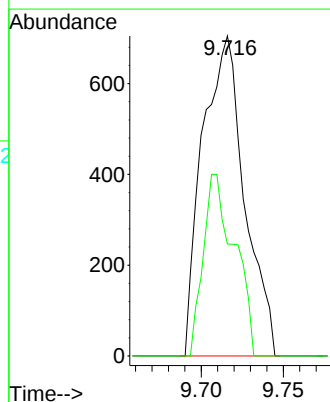
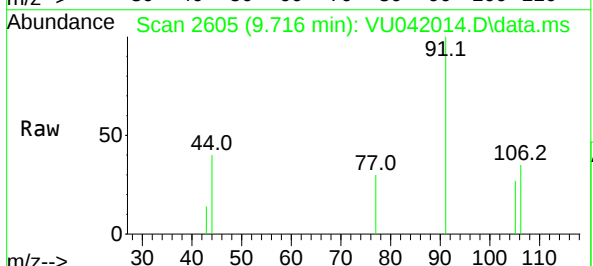
Acq: 14 Jan 2021 05:04

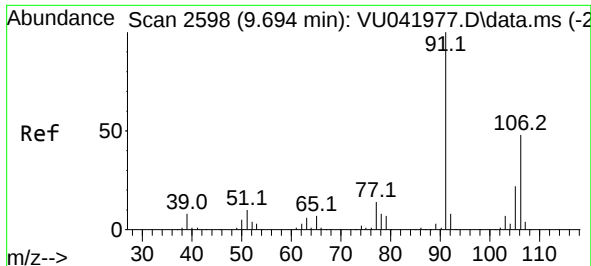
Tgt Ion: 91 Resp: 1254

Ion Ratio Lower Upper

91 100

106 35.0 21.0 39.0

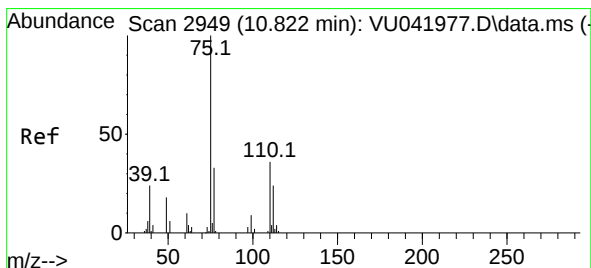
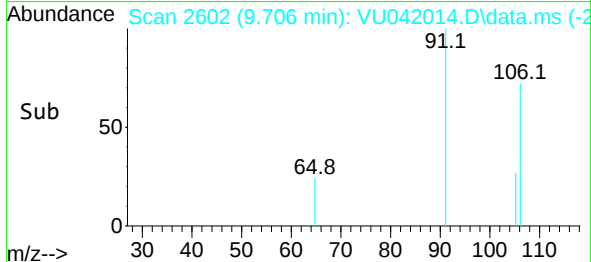
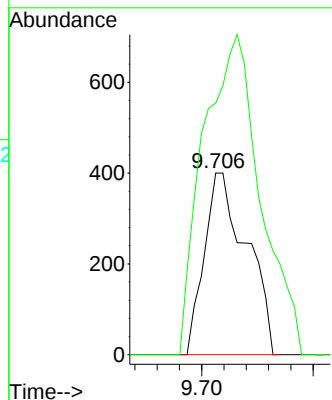
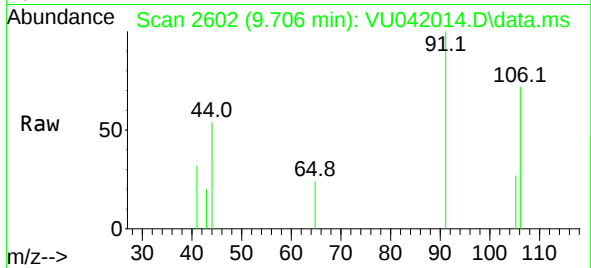




#53
m,p-Xylene
Concen: 0.06 ug/L
RT: 9.706 min Scan# 2602
Delta R.T. 0.013 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

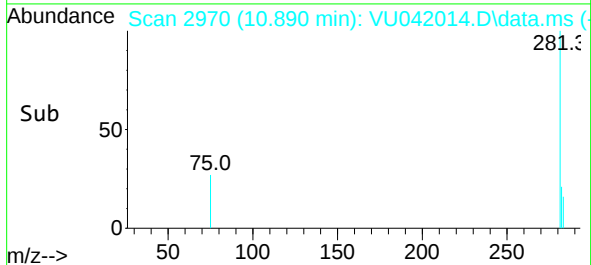
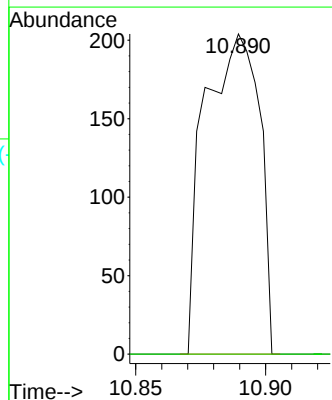
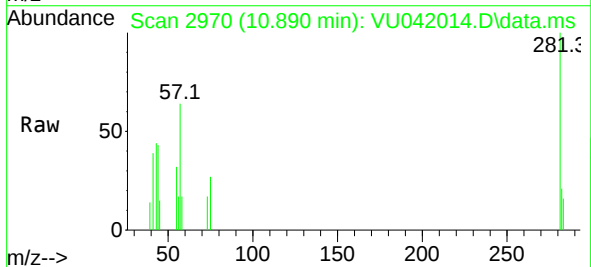
Instrument :
MSVOA_U
ClientSampled :

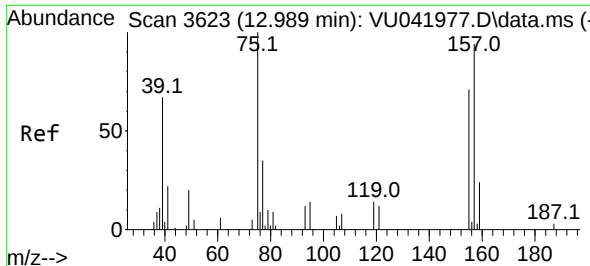
Tgt Ion:106 Resp: 527
Ion Ratio Lower Upper
106 100
91 138.5 145.7 270.5#



#59
1,2,3-Trichloropropane
Concen: 0.07 ug/L
RT: 10.890 min Scan# 2970
Delta R.T. 0.067 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Tgt Ion: 75 Resp: 298
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#

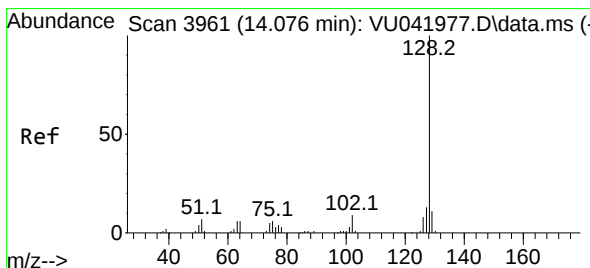
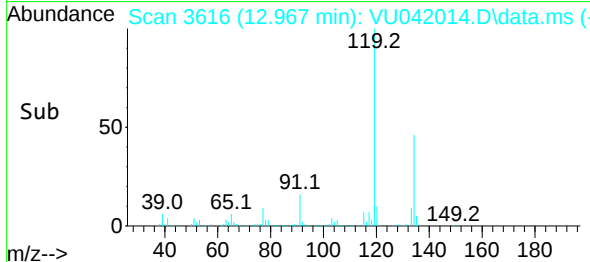
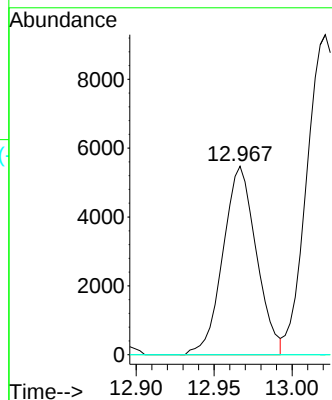
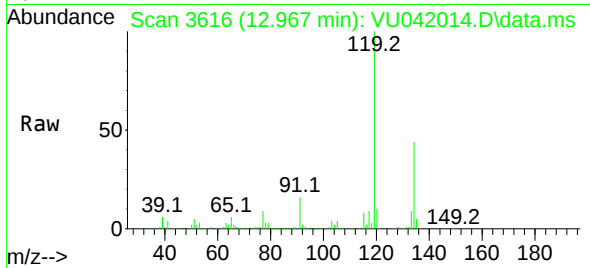




#66
1,2-Dibromo-3-chloropropane
Concen: 11.60 ug/L
RT: 12.967 min Scan# 3616
Delta R.T. -0.023 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 8172
Ion Ratio Lower Upper
75 100
155 0.0 56.6 84.8#
157 0.0 75.0 112.4#



#69
Naphthalene
Concen: 452.14 ug/L
RT: 14.076 min Scan# 3961
Delta R.T. -0.000 min
Lab File: VU042014.D
Acq: 14 Jan 2021 05:04

Tgt Ion:128 Resp: 3381401
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.3 10.5 15.7

