

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U110519\
 Data File : VU035627.D
 Acq On : 05 Nov 2019 13:51
 Operator : JC/SP
 Sample : K5631-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE884

Quant Time: Nov 06 05:44:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 06 03:03:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	707109	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	690174	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	202838	50.00	ug/L	0.00

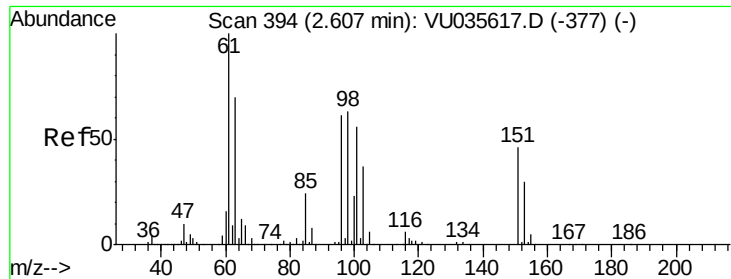
System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	205860	36.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.10%
7) Chloroethane-d5	1.93	69	192957	42.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.62%
11) 1,1-Dichloroethene-d2	2.60	63	306602	34.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.04%
21) 2-Butanone-d5	4.69	46	309718	92.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.84%
24) Chloroform-d	5.11	84	409849	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.94%
26) 1,2-Dichloroethane-d4	5.75	65	250430	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.70%
32) Benzene-d6	5.77	84	852601	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.78%
36) 1,2-Dichloropropane-d6	6.74	67	282500	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.84%
41) Toluene-d8	7.93	98	770344	45.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	8.21	79	123094	45.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.60%
47) 2-Hexanone-d5	8.68	63	202062	90.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.37%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	371873	44.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.64%
64) 1,2-Dichlorobenzene-d4	12.22	152	202638	49.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.06%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	13410	3.049	ug/L	85
12) 1,1-Dichloroethene	2.61	96	68328	15.819	ug/L #	45
13) Acetone	2.67	43	19660	6.698	ug/L	94
19) 1,1-Dichloroethane	3.93	63	12490	1.423	ug/L #	86
20) cis-1,2-Dichloroethene	4.72	96	77716	15.148	ug/L	98
30) 1,1,1-Trichloroethane	5.37	97	15558	2.145	ug/L	97
34) Trichloroethene	6.58	95	517648	104.974	ug/L	98
42) Toluene	8.01	91	19935	0.981	ug/L	97
46) Tetrachloroethene	8.59	164	557046	135.098	ug/L	99
53) m,p-Xylene	9.72	106	12755	1.564	ug/L	95

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 3.049 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035627.D

Acq: 05 Nov 2019 13:51

Instrument :

MSVOA_U

ClientSampled :

BE884

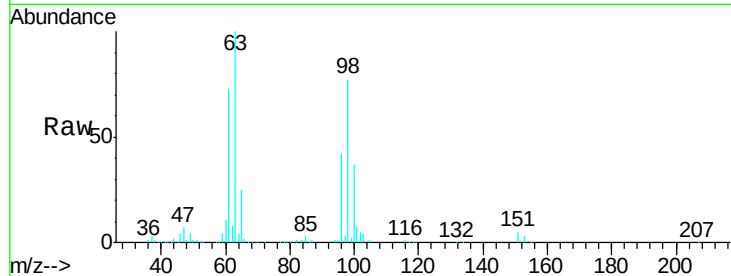
Tgt Ion:101 Resp: 13410

Ion Ratio Lower Upper

101 100

85 35.9 34.0 51.0

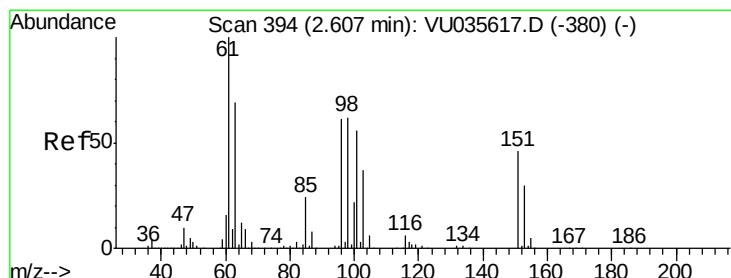
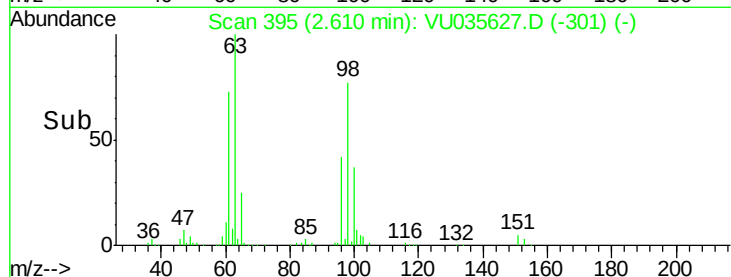
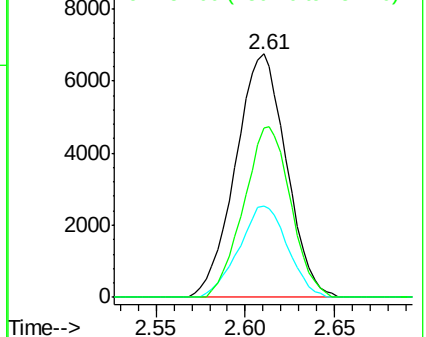
151 64.9 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 15.819 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035627.D

Acq: 05 Nov 2019 13:51

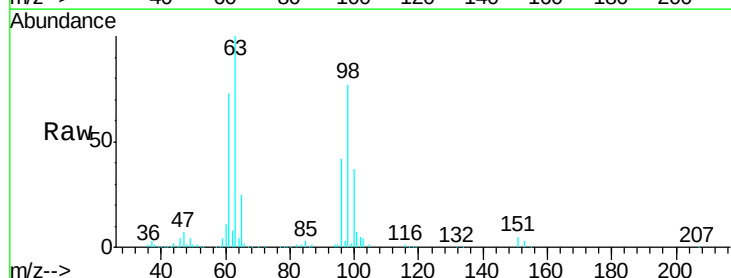
Tgt Ion: 96 Resp: 68328

Ion Ratio Lower Upper

96 100

61 173.7 113.1 210.1

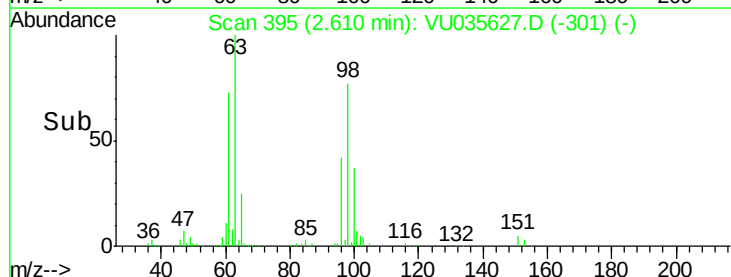
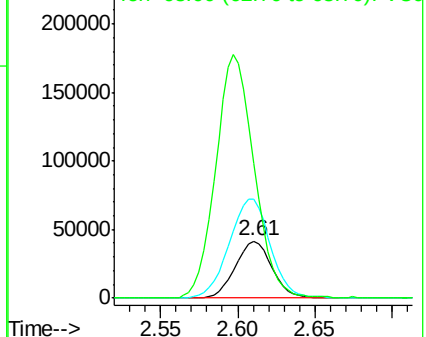
63 237.5 76.2 141.4#

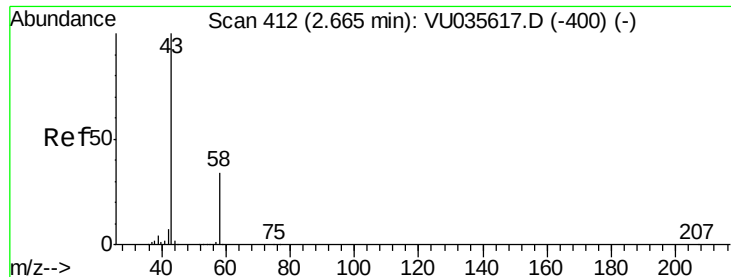


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.698 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU035627.D

Acq: 05 Nov 2019 13:51

Instrument :

MSVOA_U

ClientSampled :

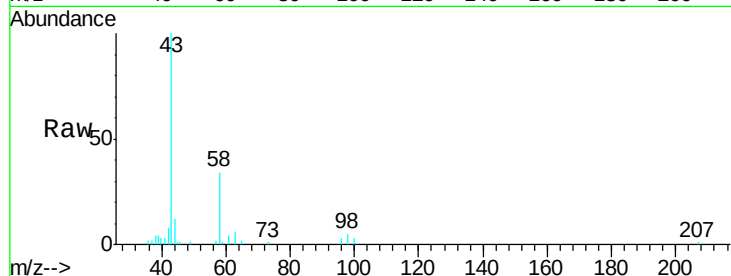
BE884

Tgt Ion: 43 Resp: 19660

Ion Ratio Lower Upper

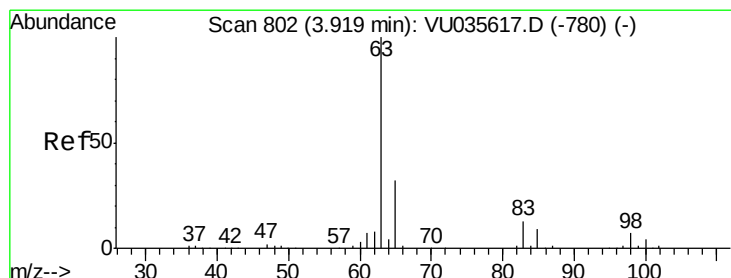
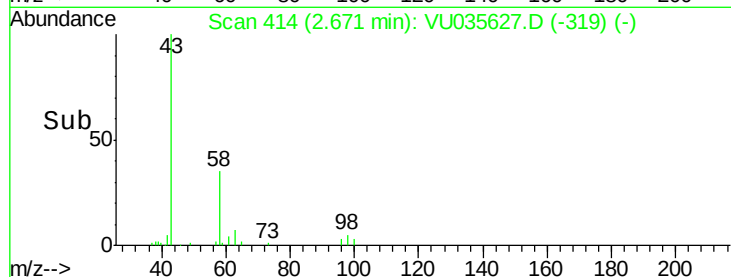
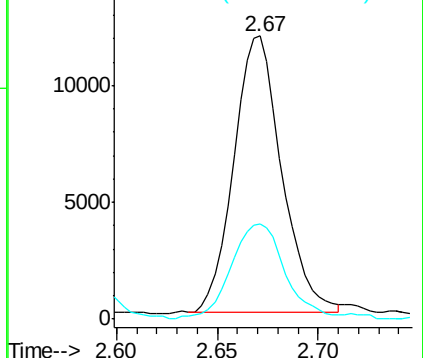
43 100

58 38.8 0.0 70.0



Abundance Ion 43.00 (42.70 to 43.70): VU035617.D (-400) (-)

Ion 58.00 (57.70 to 58.70): VU035617.D (-400) (-)



#19

1,1-Dichloroethane

Concen: 1.423 ug/L

RT: 3.93 min Scan# 804

Delta R.T. 0.01 min

Lab File: VU035627.D

Acq: 05 Nov 2019 13:51

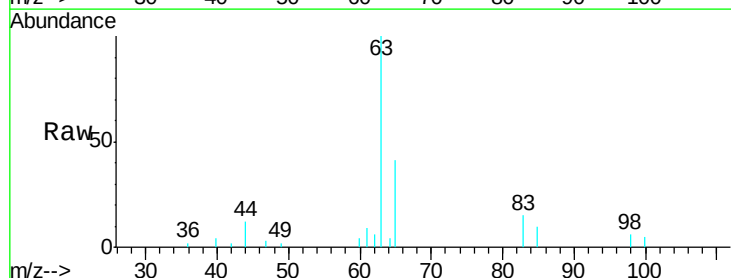
Tgt Ion: 63 Resp: 12490

Ion Ratio Lower Upper

63 100

65 41.1 22.1 41.1#

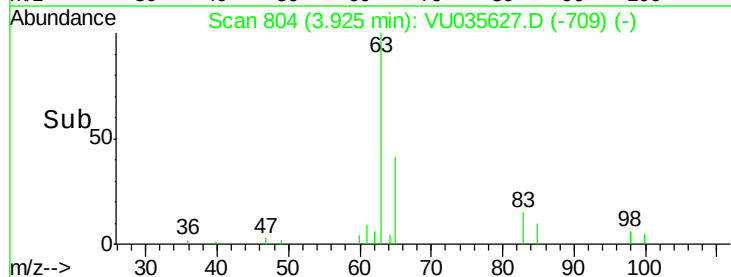
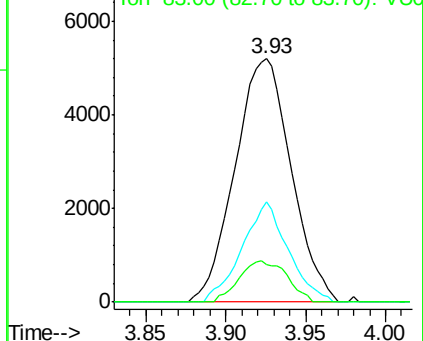
83 15.4 9.1 16.9

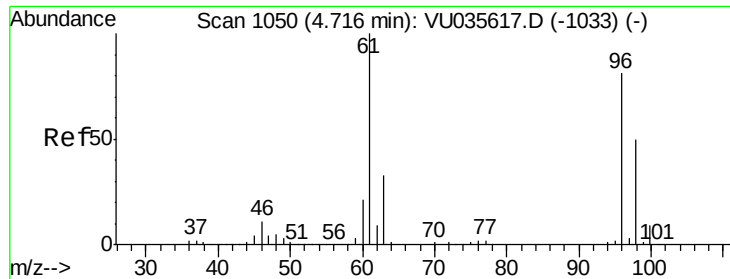


Abundance Ion 63.00 (62.70 to 63.70): VU035617.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU035617.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU035617.D (-780) (-)

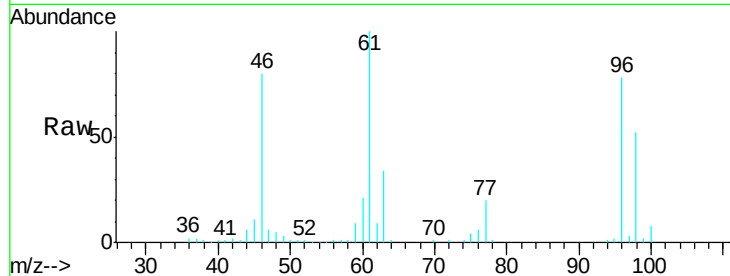




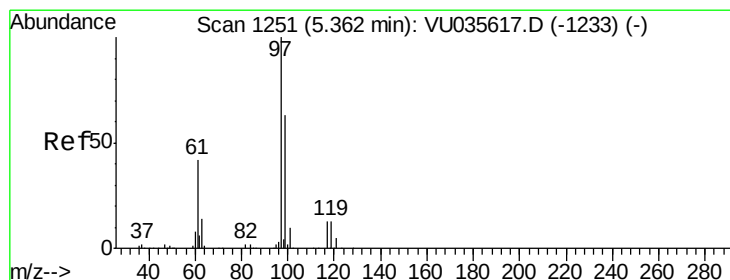
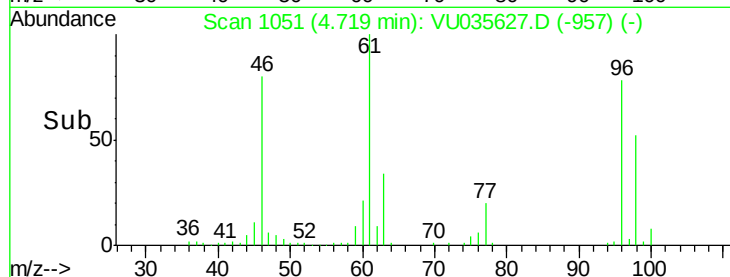
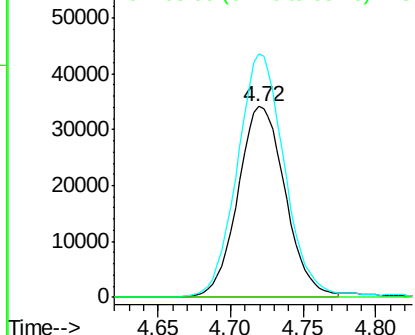
#20
 cis-1,2-Dichloroethene
 Concen: 15.148 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035627.D
 Acq: 05 Nov 2019 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 BE884

Tgt Ion: 96 Resp: 77716
 Ion Ratio Lower Upper
 96 100
 61 127.5 90.6 168.3
 68 0.0 0.0 0.0

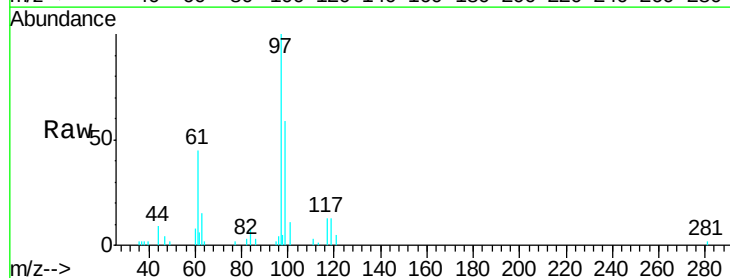


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

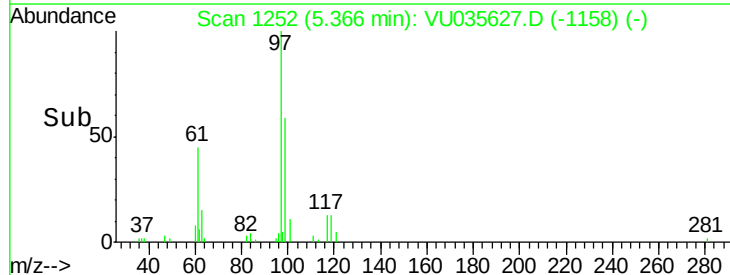
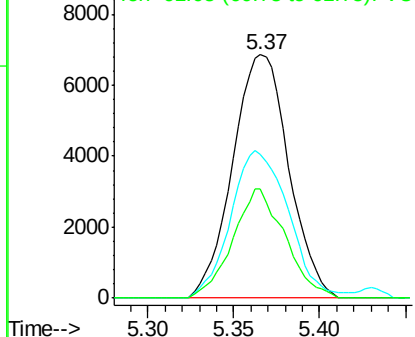


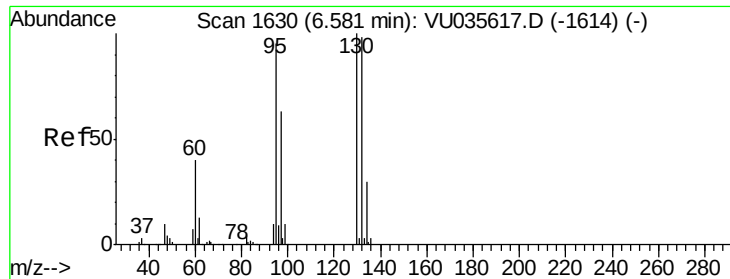
#30
 1,1,1-Trichloroethane
 Concen: 2.145 ug/L
 RT: 5.37 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU035627.D
 Acq: 05 Nov 2019 13:51

Tgt Ion: 97 Resp: 15558
 Ion Ratio Lower Upper
 97 100
 99 62.6 51.5 77.3
 61 41.9 35.1 52.7



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0





#34

Trichloroethene

Concen: 104.974 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035627.D

Acq: 05 Nov 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

BE884

Tgt Ion: 95 Resp: 517648

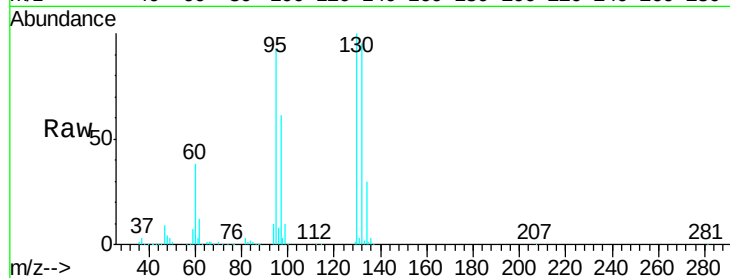
Ion Ratio Lower Upper

95 100

97 65.4 45.6 84.6

132 101.8 69.9 129.7

130 107.5 73.1 135.7

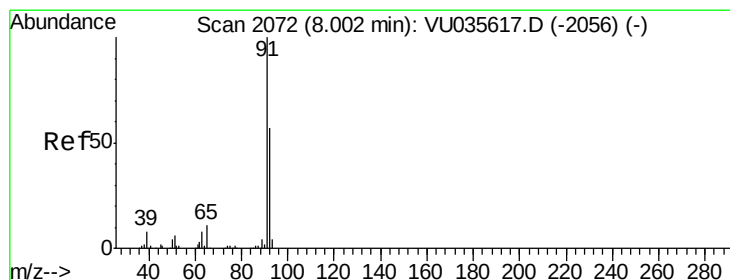
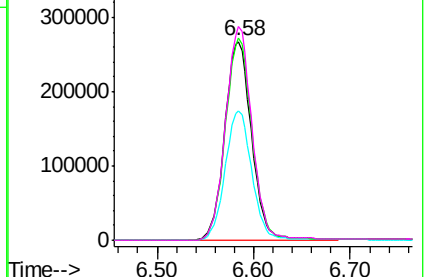
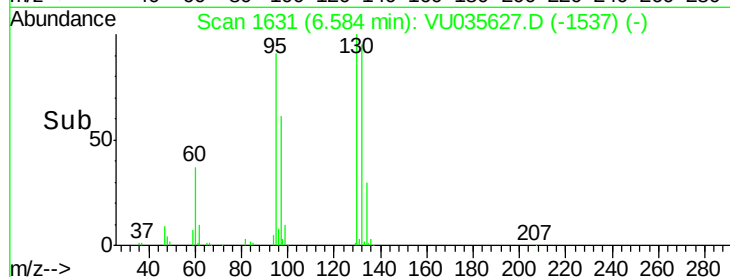


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

Toluene

Concen: 0.981 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035627.D

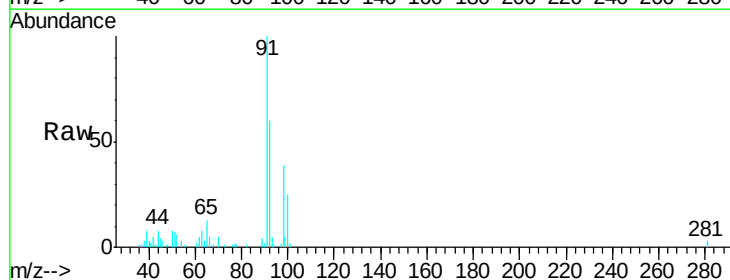
Acq: 05 Nov 2019 13:51

Tgt Ion: 91 Resp: 19935

Ion Ratio Lower Upper

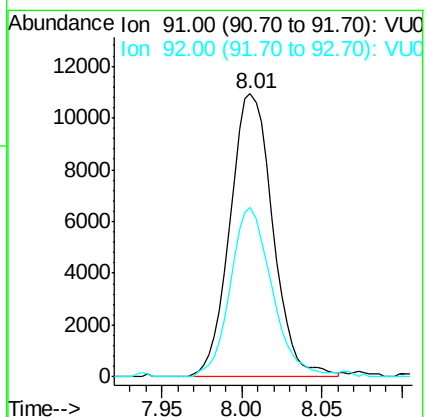
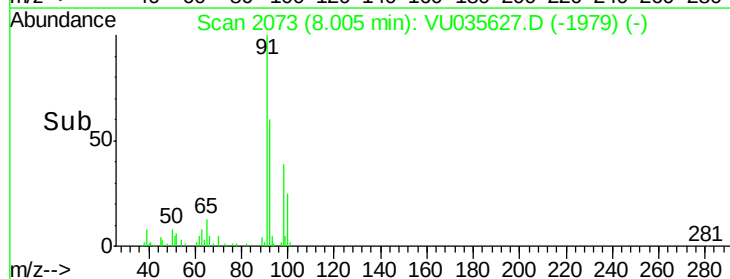
91 100

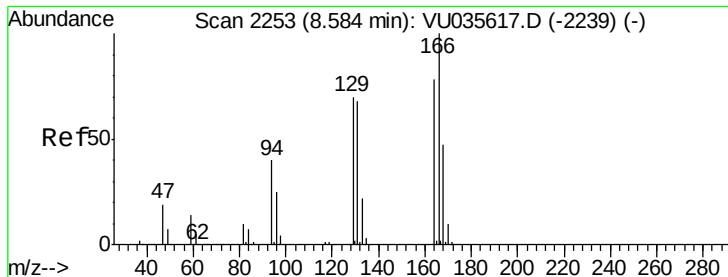
92 59.8 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 135.098 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU035627.D

Acq: 05 Nov 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

BE884

Tgt Ion:164 Resp: 557046

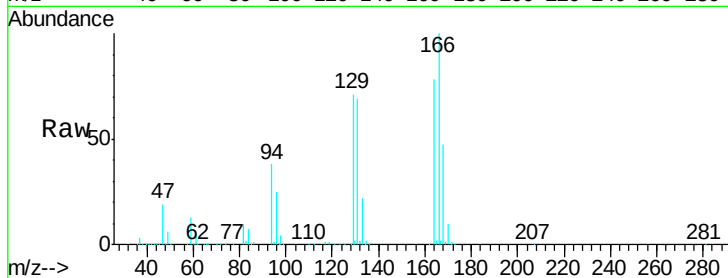
Ion Ratio Lower Upper

164 100

129 91.2 64.1 119.1

131 88.4 63.1 117.1

166 128.4 88.5 164.3

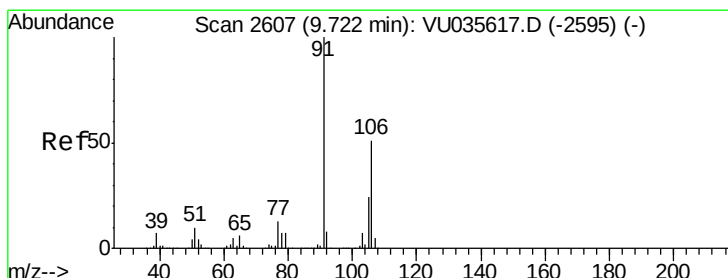
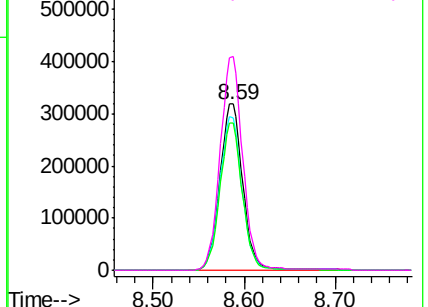
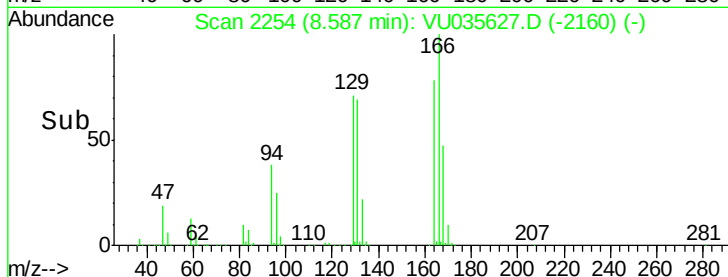


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#53

m,p-Xylene

Concen: 1.564 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035627.D

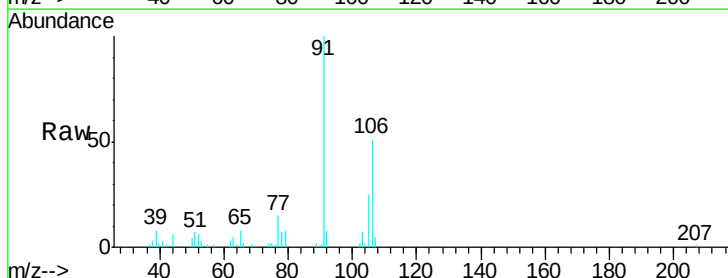
Acq: 05 Nov 2019 13:51

Tgt Ion:106 Resp: 12755

Ion Ratio Lower Upper

106 100

91 195.4 142.7 264.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

