

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035359.D
 Acq On : 22 Oct 2019 12:51
 Operator : JC/SP
 Sample : K5461-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G68

Quant Time: Oct 23 07:47:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 06:48:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	270102	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	264734	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	94864	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	114931	6.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	139.60%#
7) Chloroethane-d5	1.93	69	101228	6.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	134.40%#
11) 1,1-Dichloroethene-d2	2.59	63	154282	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.40%
20) 2-Butanone-d5	4.71	46	266846	56.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.76%
24) Chloroform-d	5.11	84	178083	5.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.40%
26) 1,2-Dichloroethane-d4	5.75	65	99746	5.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.60%
32) Benzene-d6	5.77	84	385749	6.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	127.40%#
36) 1,2-Dichloropropane-d6	6.74	67	123133	6.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	128.00%
41) Toluene-d8	7.93	98	329678	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.80%
43) trans-1,3-Dichloropropene-	8.22	79	42533	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.69	63	209946	51.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.06%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	96559	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	101560	5.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.60%

Target Compounds

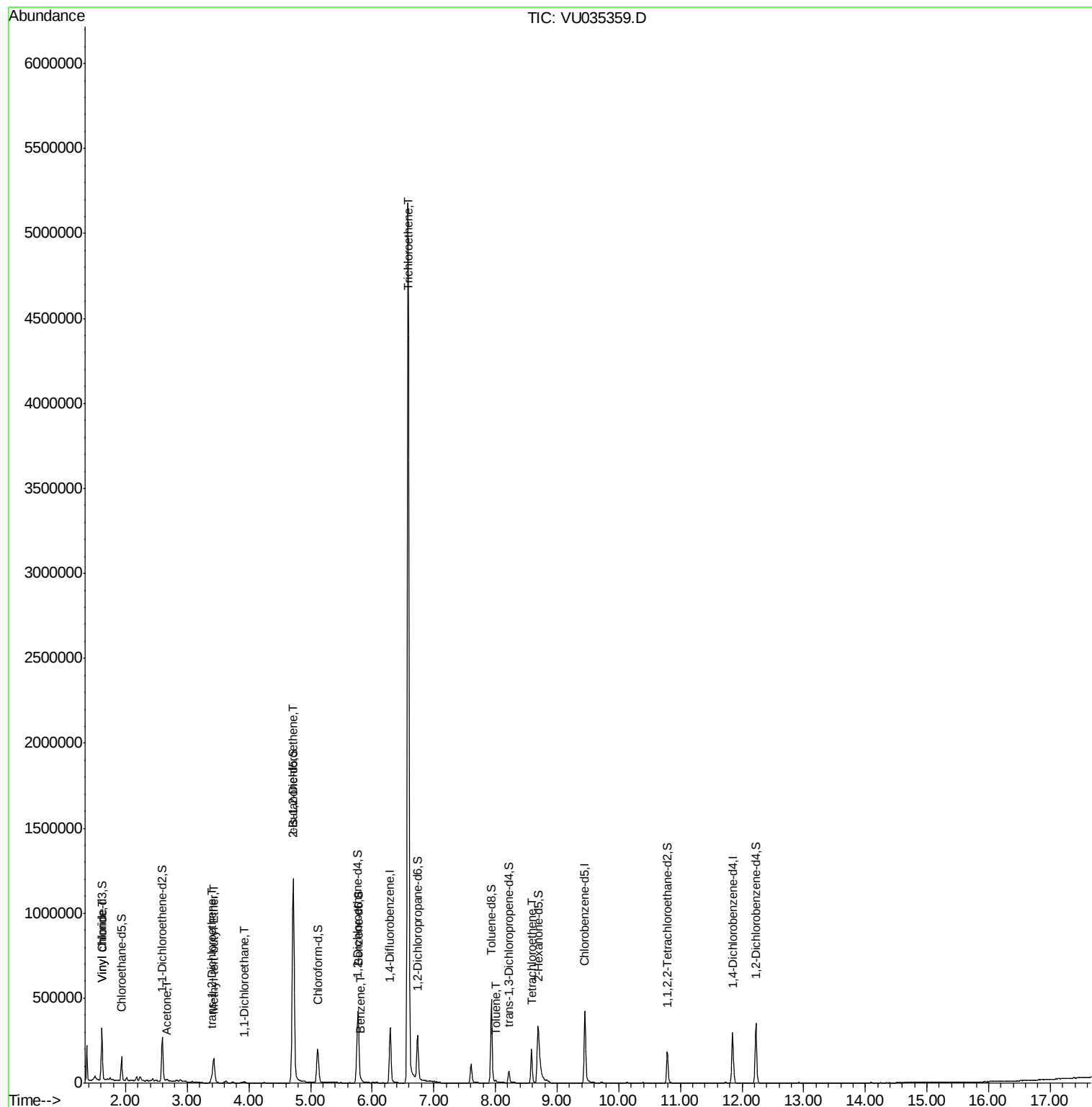
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	64457	2.752	ug/L	88
13) Acetone	2.67	43	6527	1.983	ug/L	84
17) Methyl tert-butyl Ether	3.43	73	158586	3.396	ug/L	96
18) trans-1,2-Dichloroethene	3.39	96	9392	0.502	ug/L	93
19) 1,1-Dichloroethane	3.92	63	7692	0.227	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	576916	27.872	ug/L	99
33) Benzene	5.82	78	12938	0.166	ug/L	100
34) Trichloroethene	6.58	95	1777140	84.863	ug/L	97
42) Toluene	8.01	91	7655	0.089	ug/L	97
47) Tetrachloroethene	8.58	164	44604	2.557	ug/L	97

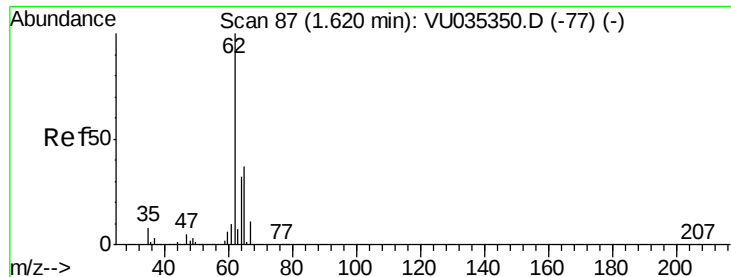
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.752 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035359.D

Acq: 22 Oct 2019 12:51

Instrument :

MSVOA_U

ClientSampleId :

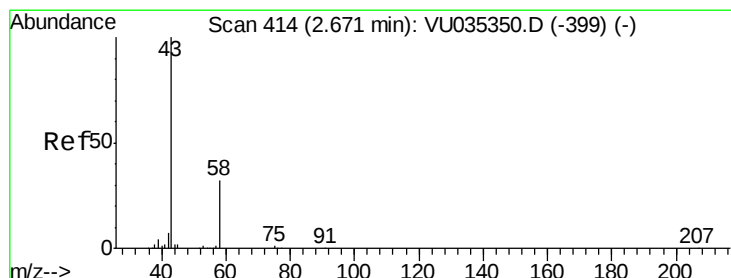
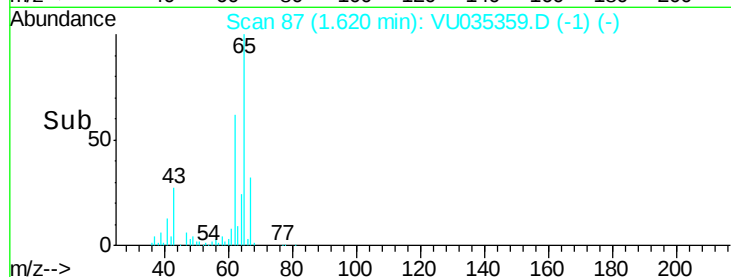
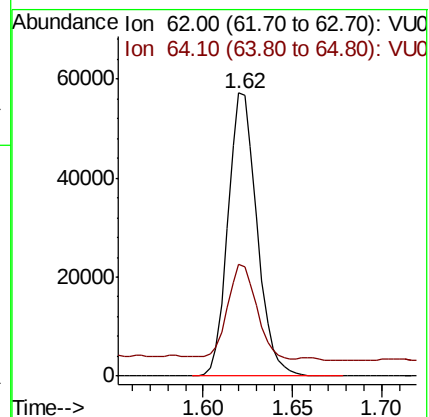
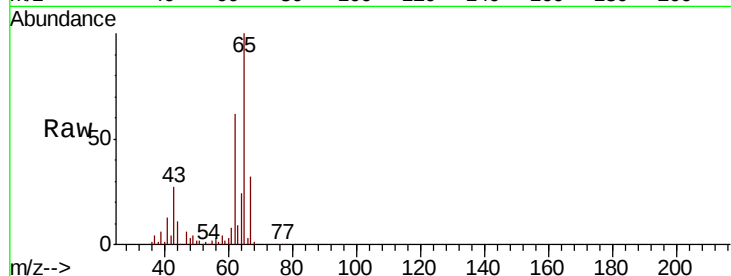
H0G68

Tot Ion: 62 Resp: 64457

Ion Ratio Lower Upper

62 100

64 39.3 22.9 42.5



#13

Acetone

Concen: 1.983 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU035359.D

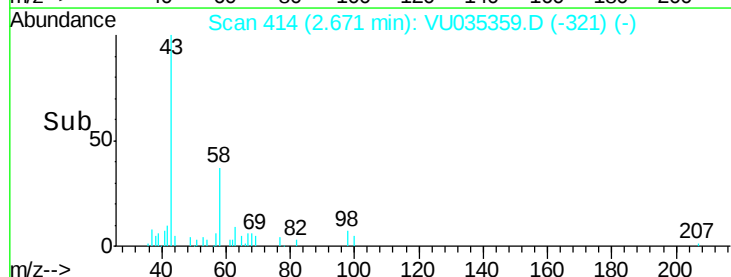
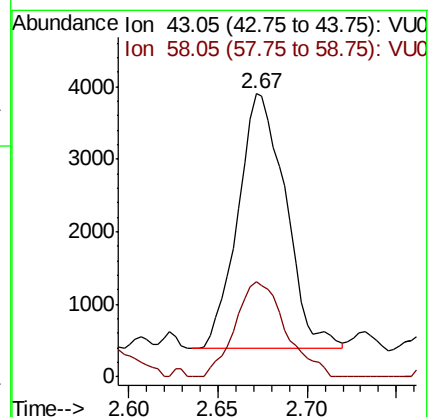
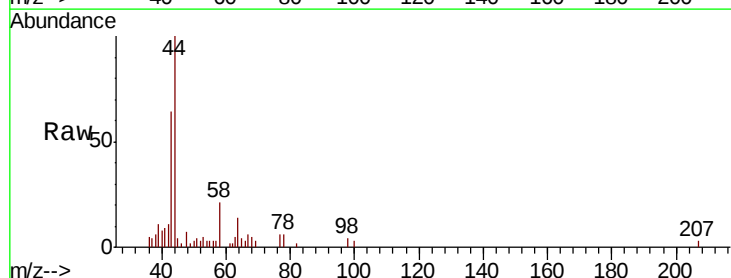
Acq: 22 Oct 2019 12:51

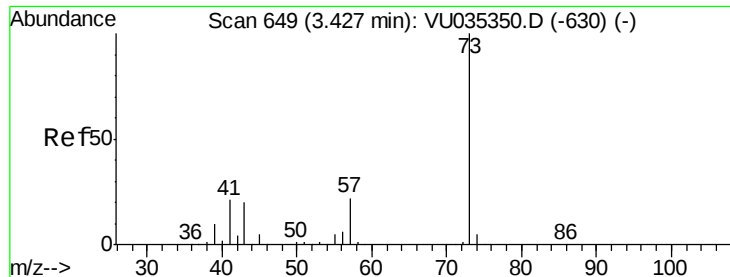
Tgt Ion: 43 Resp: 6527

Ion Ratio Lower Upper

43 100

58 39.5 0.0 61.8



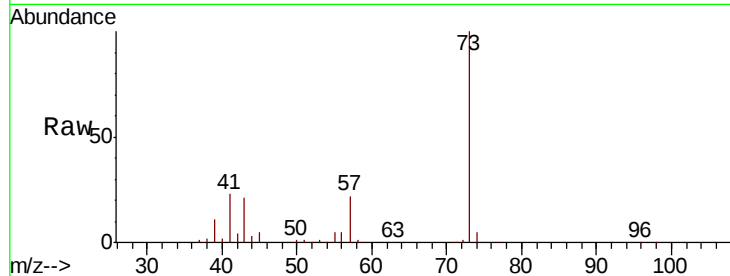


#17

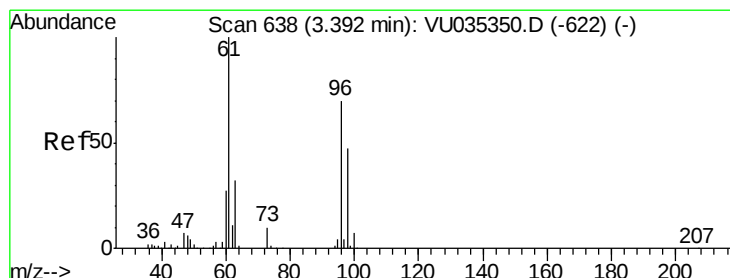
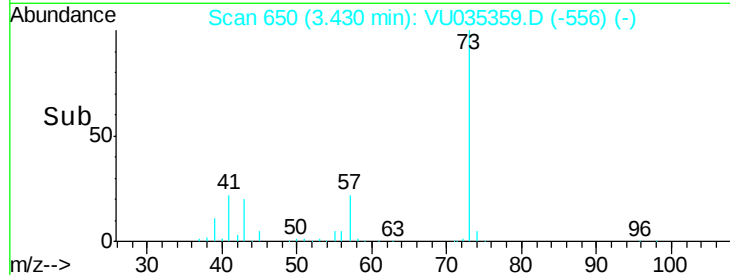
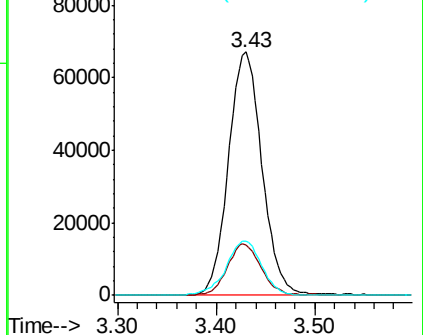
Methvl tert-butvl Ether
 Concen: 3.396 ug/L
 RT: 3.43 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: VU035359.D
 Acq: 22 Oct 2019 12:51

Instrument :
 MSVOA_U
 ClientSampled :
 H0G68

Tot Ion: 73 Resp: 158586
 Ion Ratio Lower Upper
 73 100
 43 21.3 16.0 24.0
 57 23.9 17.4 26.2



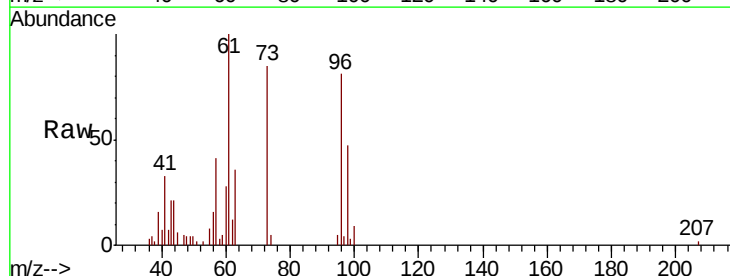
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



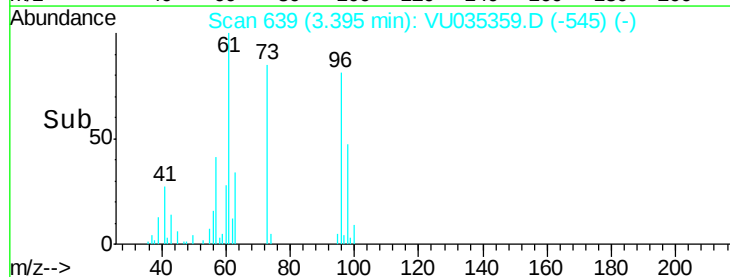
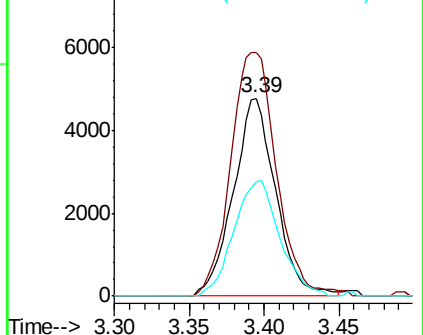
#18

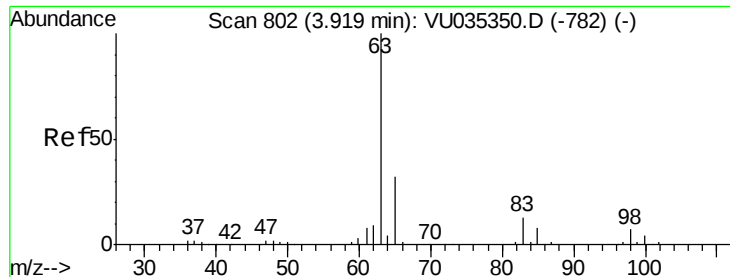
trans-1,2-Dichloroethene
 Concen: 0.502 ug/L
 RT: 3.39 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VU035359.D
 Acq: 22 Oct 2019 12:51

Tgt Ion: 96 Resp: 9392
 Ion Ratio Lower Upper
 96 100
 61 123.2 93.0 172.6
 98 58.0 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.227 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035359.D

Acq: 22 Oct 2019 12:51

Instrument :

MSVOA_U

ClientSampleId :

H0G68

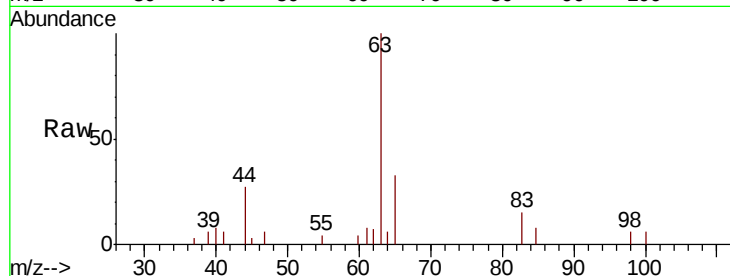
Tot Ion: 63 Resp: 7692

Ion Ratio Lower Upper

63 100

65 33.4 22.4 41.6

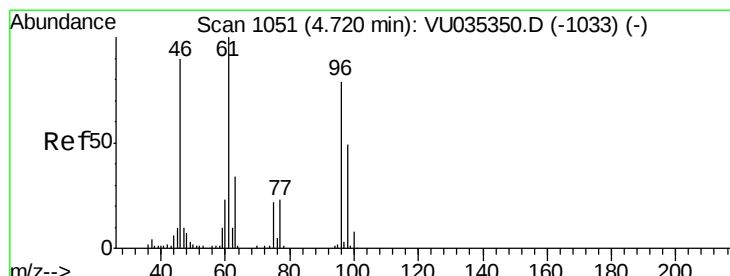
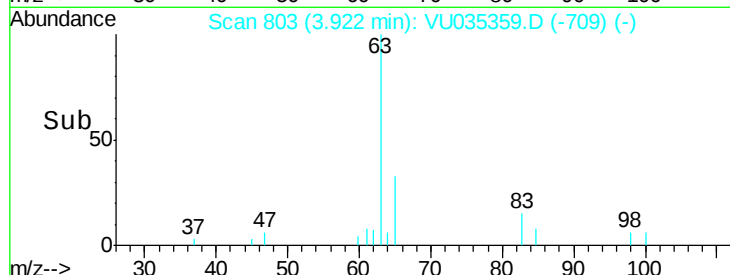
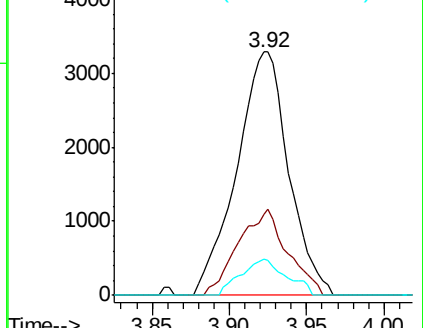
83 14.9 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035359.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035359.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035359.D (-709) (-)



#22

cis-1,2-Dichloroethene

Concen: 27.872 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035359.D

Acq: 22 Oct 2019 12:51

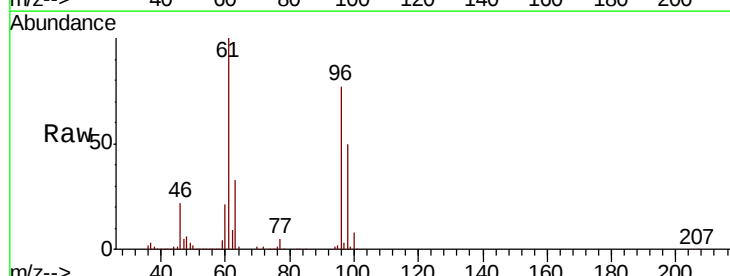
Tgt Ion: 96 Resp: 576916

Ion Ratio Lower Upper

96 100

61 129.2 89.7 166.5

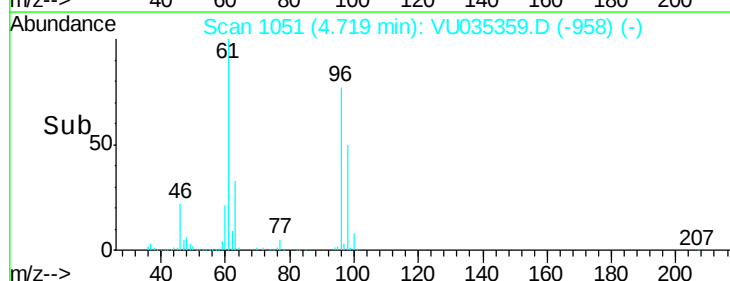
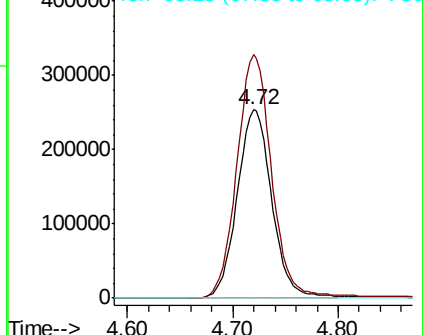
68 0.0 0.0 0.0

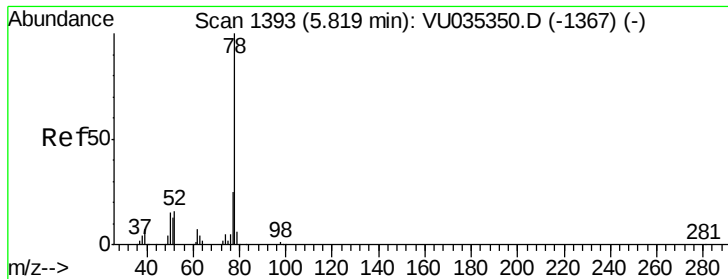


Abundance Ion 96.00 (95.70 to 96.70): VU035359.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035359.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035359.D (-958) (-)





#33

Benzene

Concen: 0.166 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035359.D

Acq: 22 Oct 2019 12:51

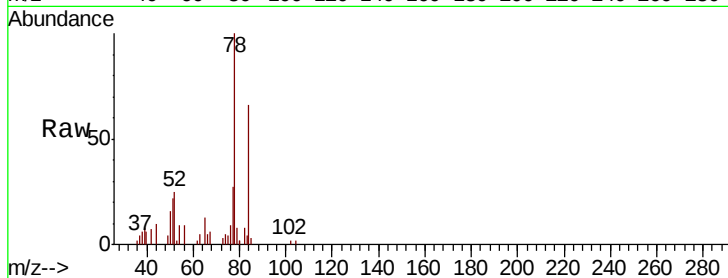
Instrument :

MSVOA_U

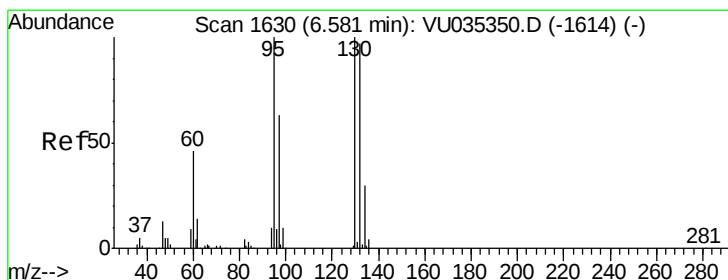
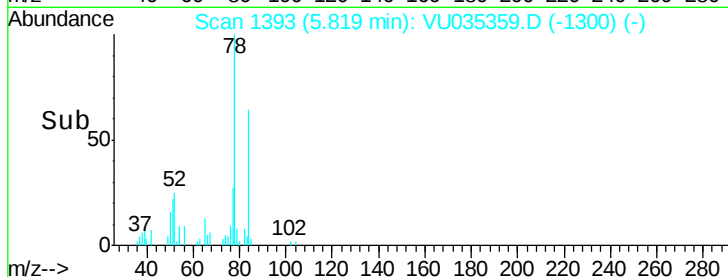
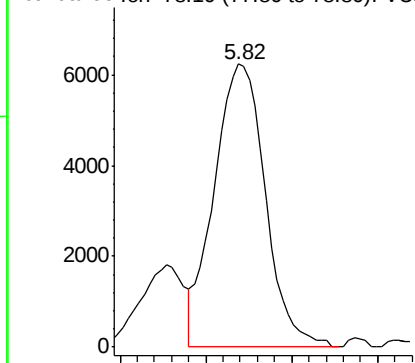
ClientSampleId :

H0G68

Tgt Ion: 78 Resp: 12938



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 84.863 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035359.D

Acq: 22 Oct 2019 12:51

Tgt Ion: 95 Resp: 1777140

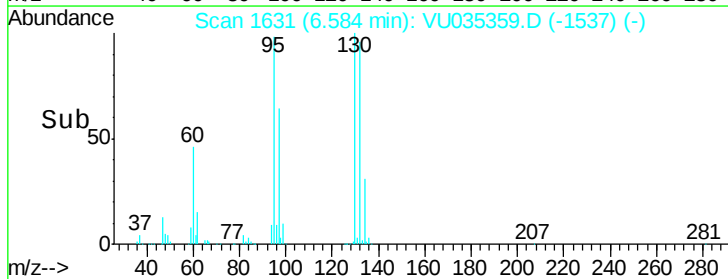
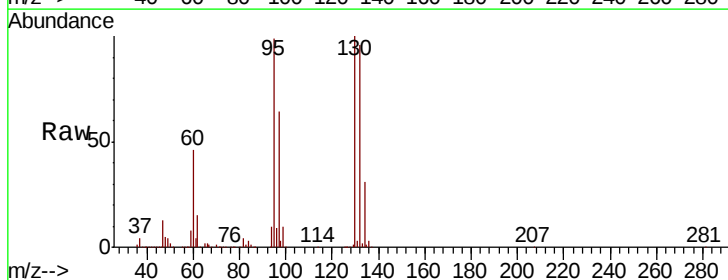
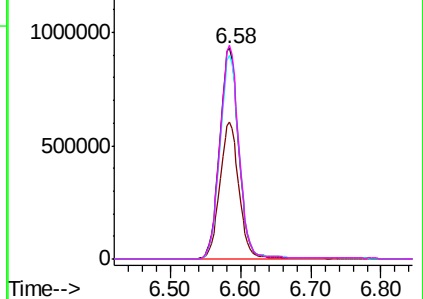
Ion	Ratio	Lower	Upper
95	100		
97	64.9	46.6	86.6
132	96.8	68.7	127.7
130	101.3	73.9	137.3

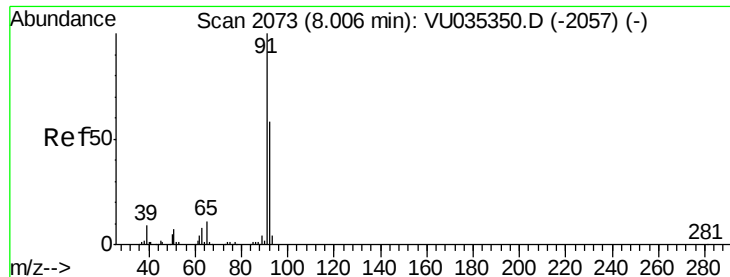
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 0.089 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035359.D

Acq: 22 Oct 2019 12:51

Instrument :

MSVOA_U

ClientSampleId :

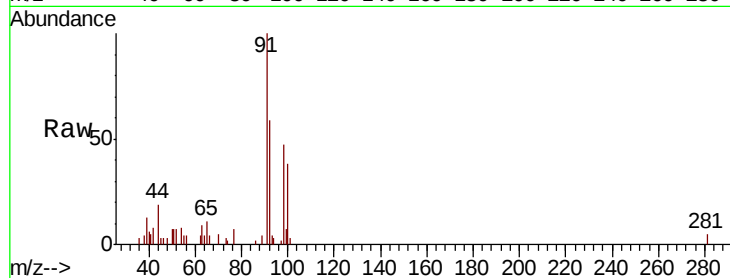
H0G68

Tot Ion: 91 Resp: 7655

Ion Ratio Lower Upper

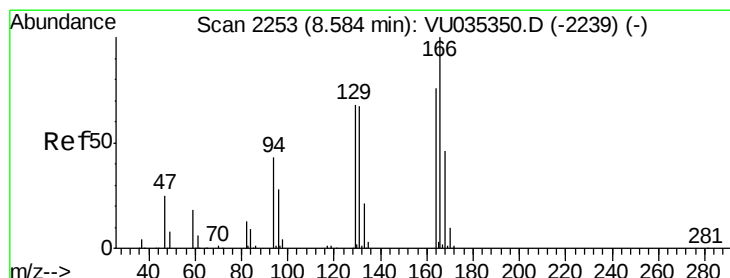
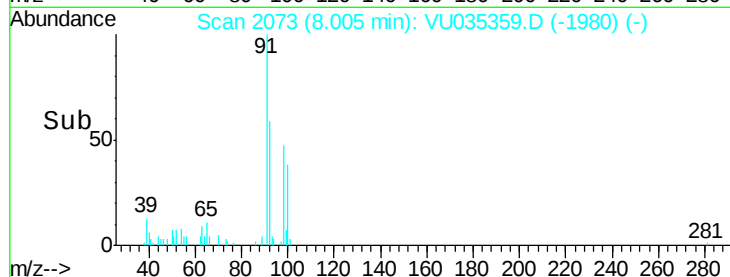
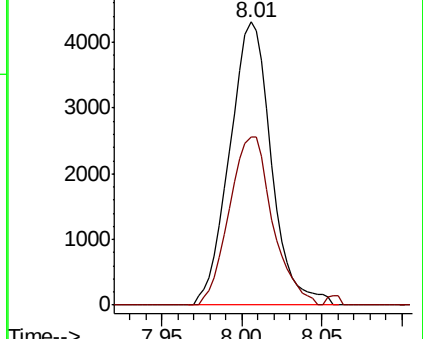
91 100

92 59.3 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035350.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035350.D (-2057) (-)



#47

Tetrachloroethene

Concen: 2.557 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035359.D

Acq: 22 Oct 2019 12:51

Tgt Ion: 164 Resp: 44604

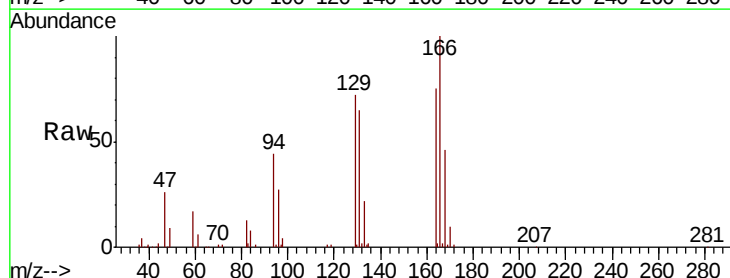
Ion Ratio Lower Upper

164 100

129 95.8 65.2 121.0

131 87.0 62.9 116.9

166 133.3 91.5 169.9



Abundance Ion 163.90 (163.60 to 164.60): VU035350.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU035350.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU035350.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU035350.D (-2239) (-)

