

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035354.D
 Acq On : 22 Oct 2019 10:42
 Operator : JC/SP
 Sample : K5461-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G66

Quant Time: Oct 24 13:35:06 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	285552	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	283107	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	107434	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	103828	5.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.20%
7) Chloroethane-d5	1.93	69	91145	5.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.60%
11) 1,1-Dichloroethene-d2	2.60	63	137059	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.20%
20) 2-Butanone-d5	4.70	46	254353	50.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.66%
24) Chloroform-d	5.11	84	166035	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.75	65	94557	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.77	84	345976	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.74	67	112686	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	7.93	98	305198	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	8.22	79	42680	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.69	63	194242	44.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.30%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	93450	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	97717	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

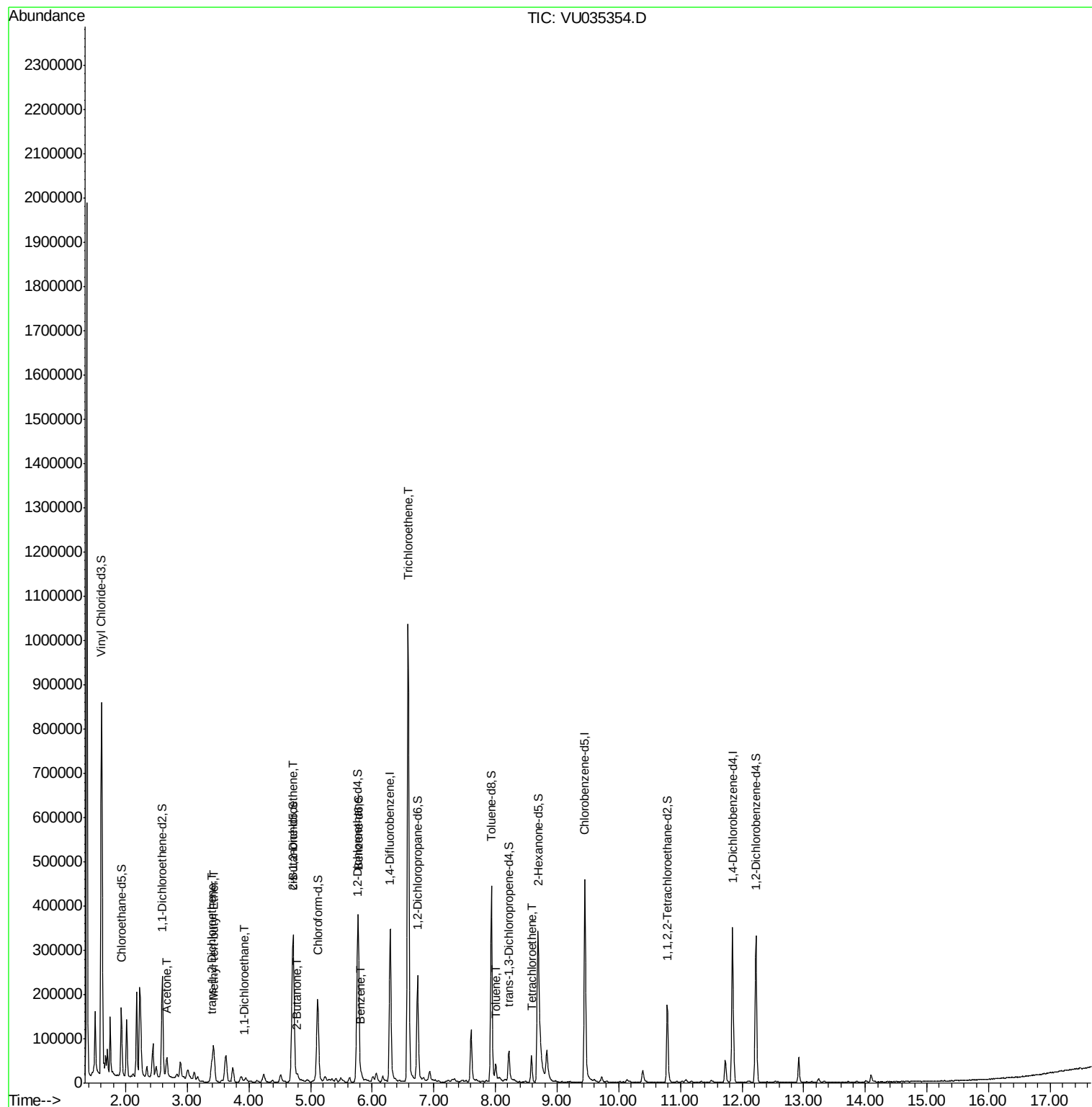
					Ovalue
13) Acetone	2.67	43	33738	9.693 ug/L	96
17) Methyl tert-butyl Ether	3.43	73	87228	1.767 ug/L #	76
18) trans-1,2-Dichloroethene	3.39	96	6533	0.330 ug/L	97
19) 1,1-Dichloroethane	3.92	63	3269	0.091 ug/L	88
21) 2-Butanone	4.79	43	12838	2.263 ug/L #	72
22) cis-1,2-Dichloroethene	4.72	96	118521	5.416 ug/L	98
33) Benzene	5.82	78	12296	0.148 ug/L	100
34) Trichloroethene	6.58	95	352904	15.758 ug/L	98
42) Toluene	8.01	91	23068	0.251 ug/L	92
47) Tetrachloroethene	8.58	164	14065	0.754 ug/L	97

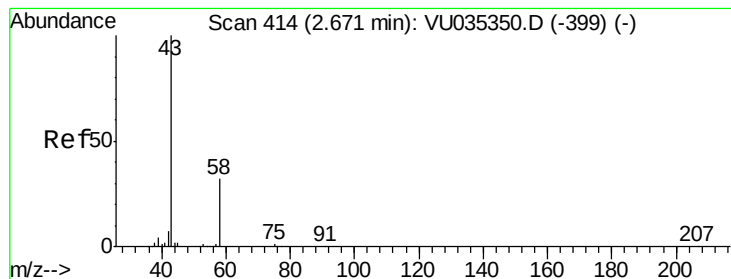
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 9.693 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU035354.D

Acq: 22 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

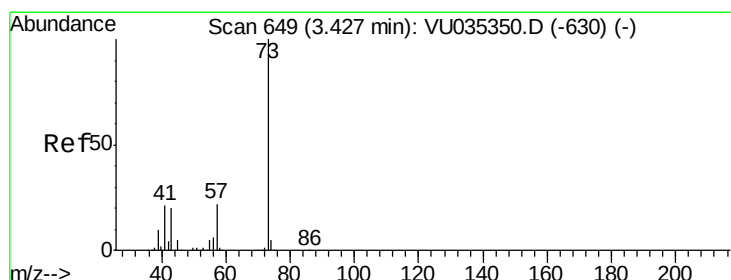
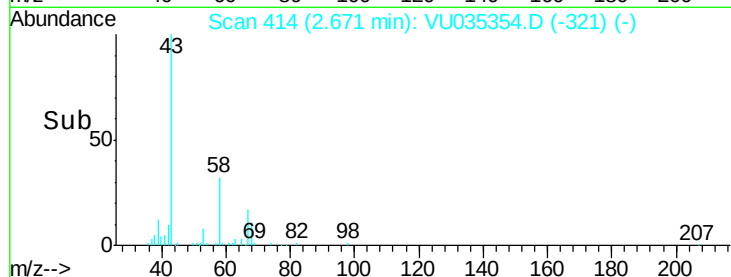
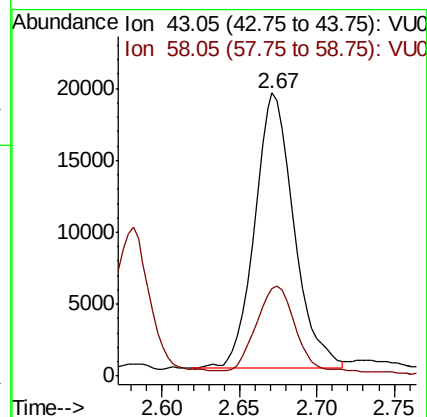
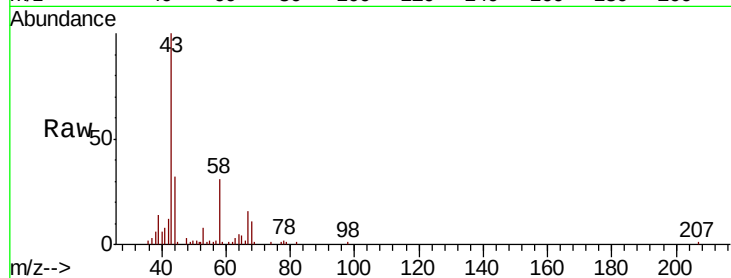
H0G66

Tot Ion: 43 Resp: 33738

Ion Ratio Lower Upper

43 100

58 32.9 0.0 61.8



#17

Methyl tert-butyl Ether

Concen: 1.767 ug/L

RT: 3.43 min Scan# 649

Delta R.T. -0.00 min

Lab File: VU035354.D

Acq: 22 Oct 2019 10:42

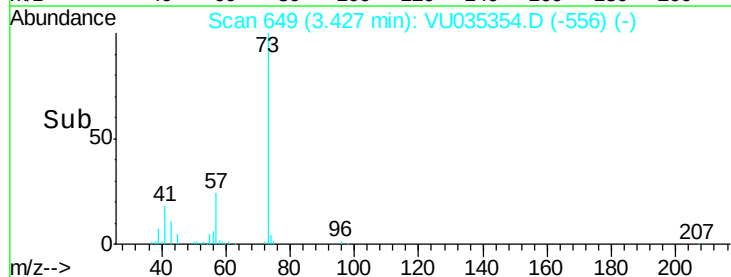
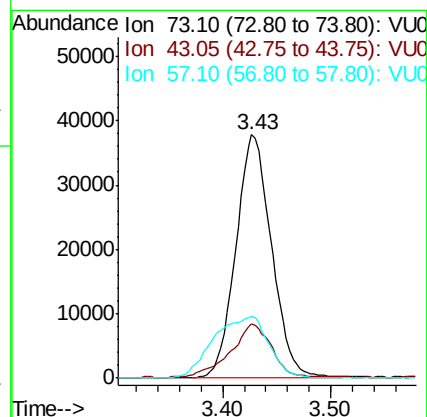
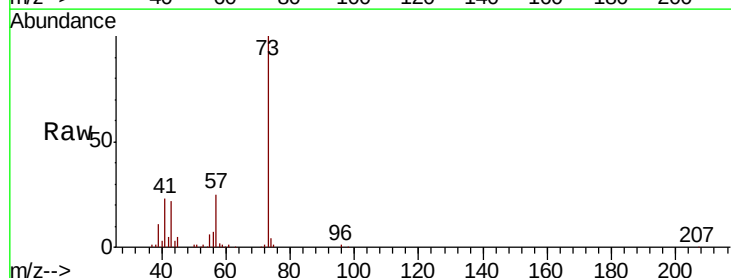
Tgt Ion: 73 Resp: 87228

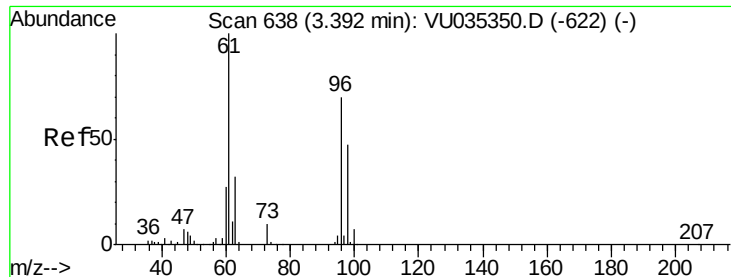
Ion Ratio Lower Upper

73 100

43 24.7 16.0 24.0#

57 39.1 17.4 26.2#

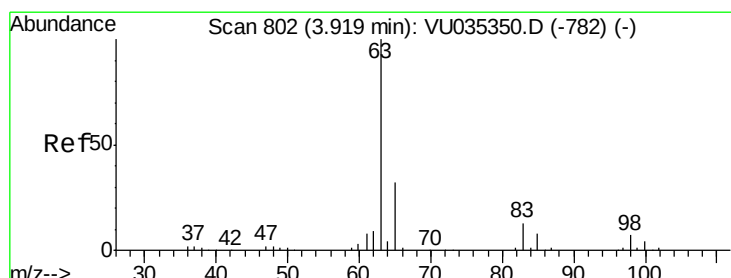
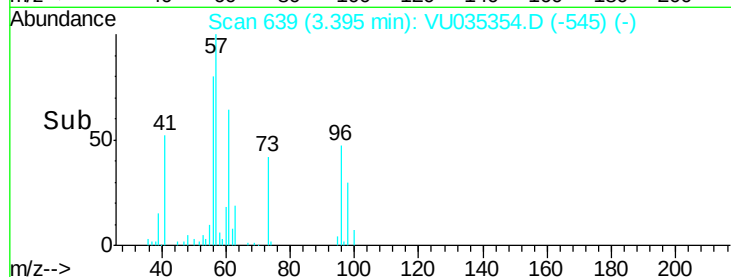
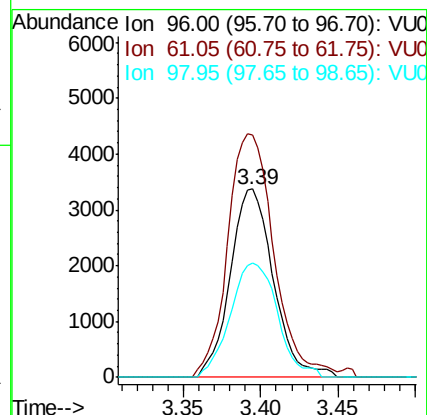
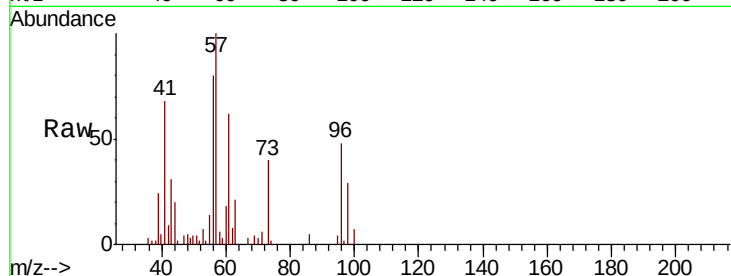




#18
trans-1,2-Dichloroethene
Concen: 0.330 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035354.D
Acq: 22 Oct 2019 10:42

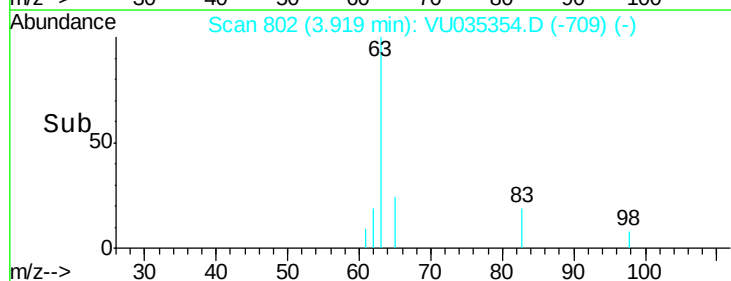
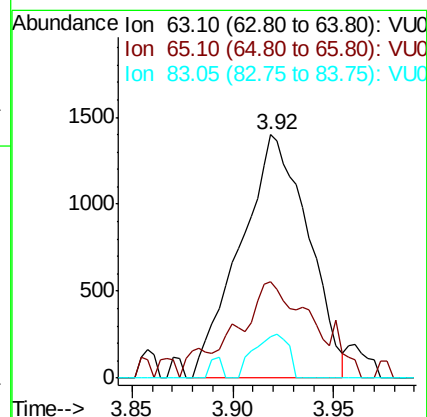
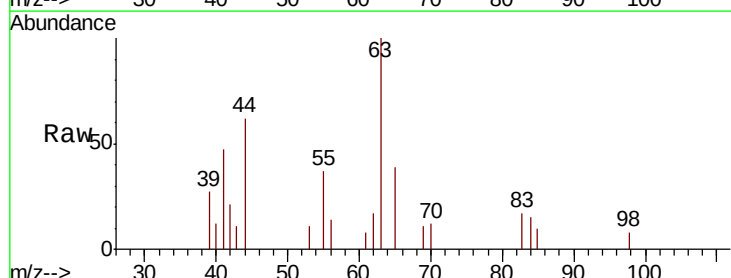
Instrument :
MSVOA_U
ClientSampleId :
H0G66

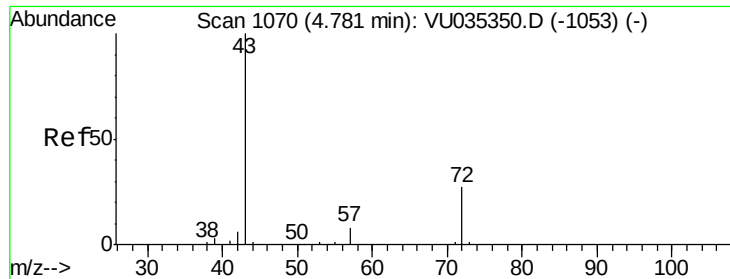
Tot Ion: 96 Resp: 6533
Ion Ratio Lower Upper
96 100
61 129.1 93.0 172.6
98 61.0 43.7 81.1



#19
1,1-Dichloroethane
Concen: 0.091 ug/L
RT: 3.92 min Scan# 802
Delta R.T. -0.00 min
Lab File: VU035354.D
Acq: 22 Oct 2019 10:42

Tgt Ion: 63 Resp: 3269
Ion Ratio Lower Upper
63 100
65 39.4 22.4 41.6
83 16.9 9.3 17.3





#21

2-Butanone

Concen: 2.263 ug/L

RT: 4.79 min Scan# 1073

Delta R.T. 0.01 min

Lab File: VU035354.D

Acq: 22 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

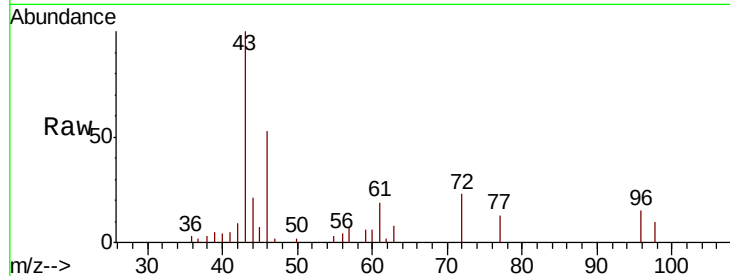
H0G66

Tot Ion: 43 Resp: 12838

Ion Ratio Lower Upper

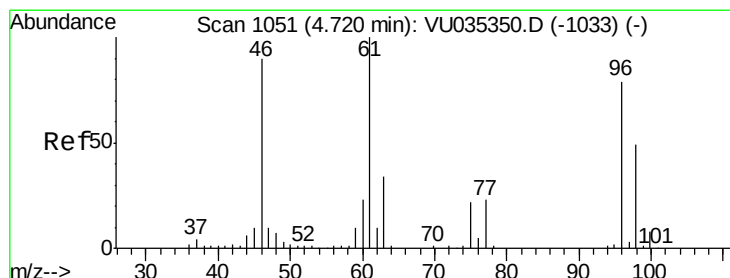
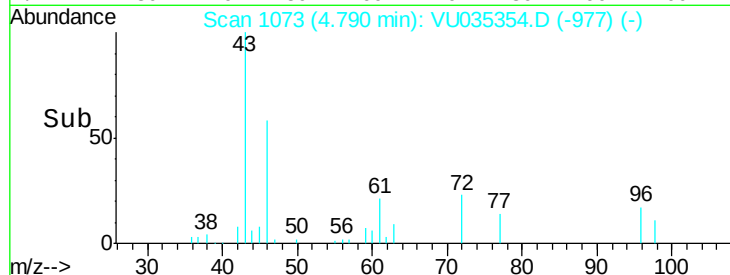
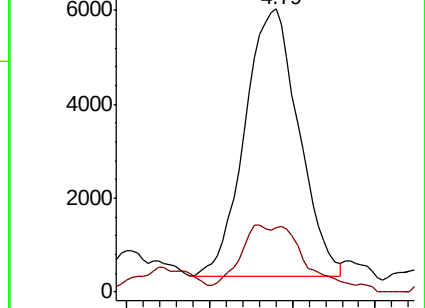
43 100

72 12.4 13.6 40.8#



Abundance Ion 43.05 (42.75 to 43.75): VU035350.D (-1053) (-)

Ion 72.10 (71.80 to 72.80): VU035350.D (-1053) (-)



#22

cis-1,2-Dichloroethene

Concen: 5.416 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035354.D

Acq: 22 Oct 2019 10:42

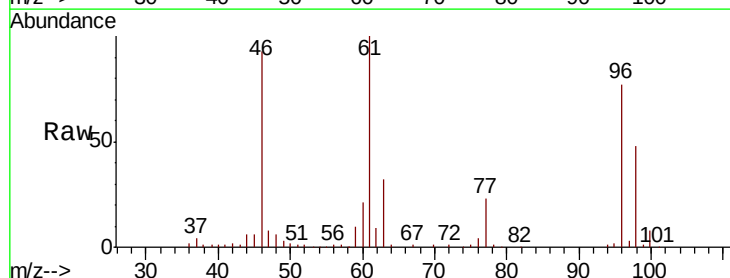
Tgt Ion: 96 Resp: 118521

Ion Ratio Lower Upper

96 100

61 130.5 89.7 166.5

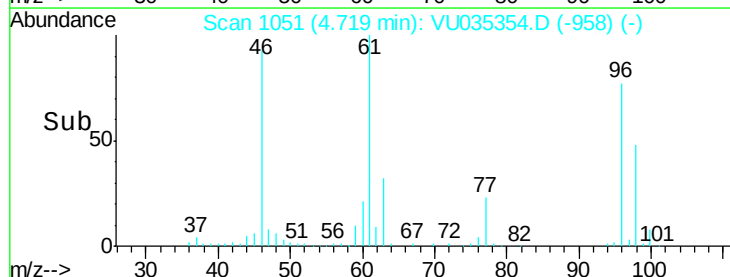
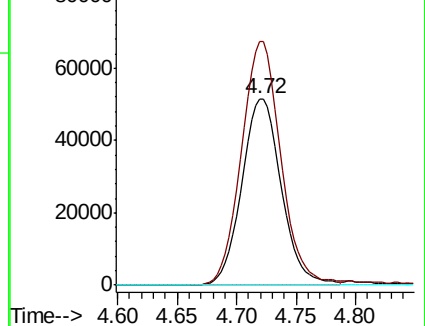
68 0.0 0.0 0.0

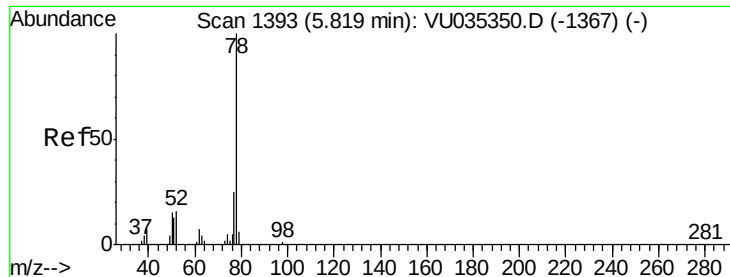


Abundance Ion 96.00 (95.70 to 96.70): VU035350.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU035350.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU035350.D (-1033) (-)





#33

Benzene

Concen: 0.148 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035354.D

Acq: 22 Oct 2019 10:42

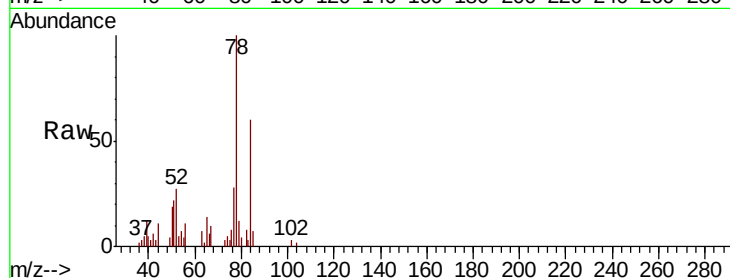
Instrument :

MSVOA_U

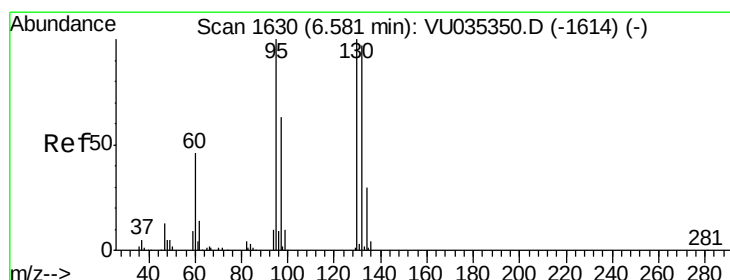
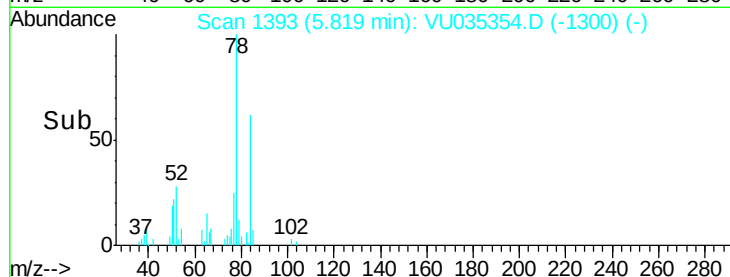
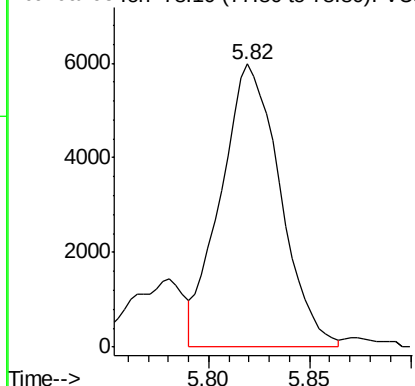
ClientSampleId :

H0G66

Tgt Ion: 78 Resp: 12296



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 15.758 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035354.D

Acq: 22 Oct 2019 10:42

Tgt Ion: 95 Resp: 352904

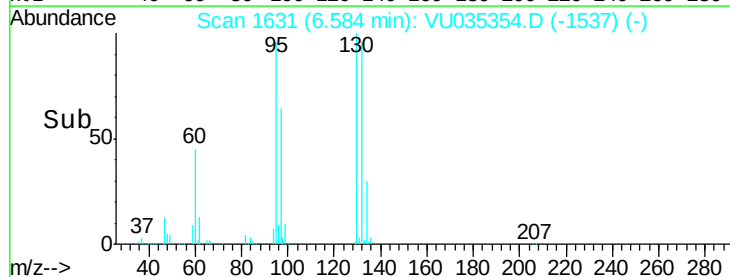
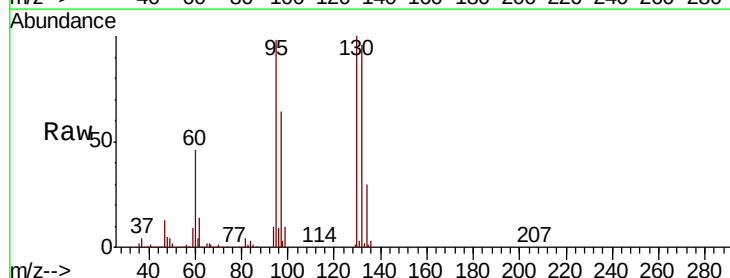
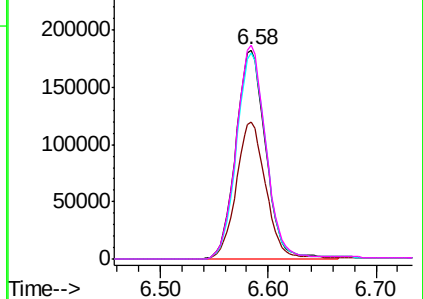
Ion	Ratio	Lower	Upper
95	100		
97	65.6	46.6	86.6
132	98.6	68.7	127.7
130	102.4	73.9	137.3

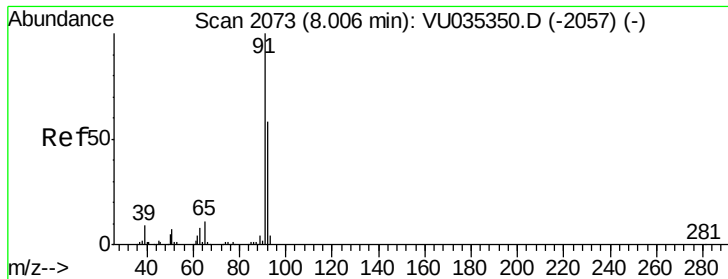
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0





#42

Toluene

Concen: 0.251 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035354.D

Acq: 22 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

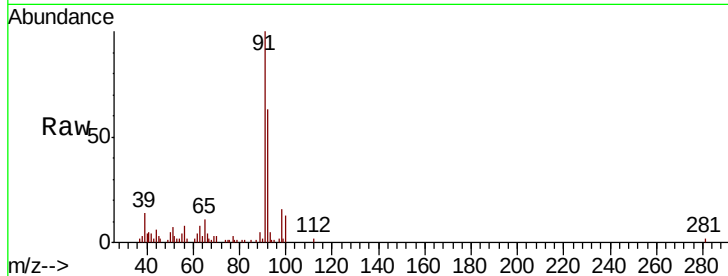
H0G66

Tot Ion: 91 Resp: 23068

Ion Ratio Lower Upper

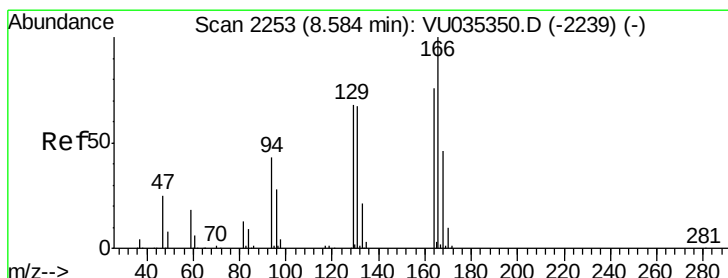
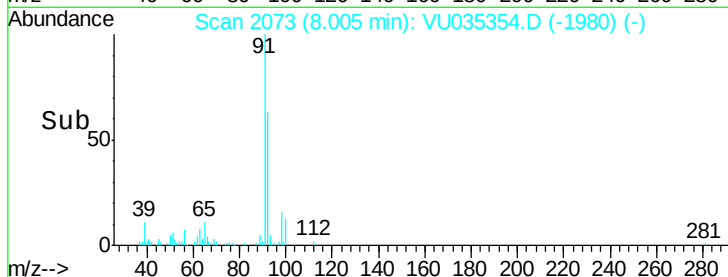
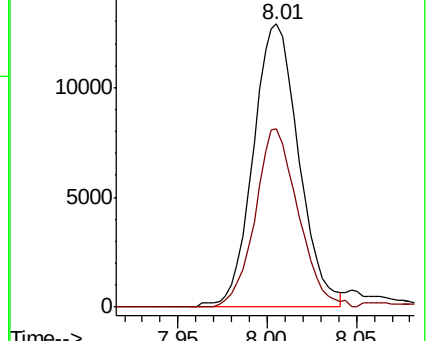
91 100

92 62.9 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: 0.754 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035354.D

Acq: 22 Oct 2019 10:42

Tgt Ion: 164 Resp: 14065

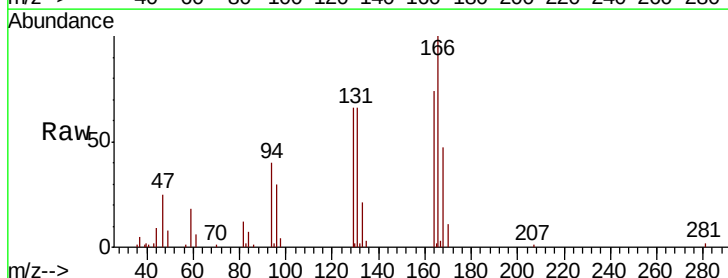
Ion Ratio Lower Upper

164 100

129 89.5 65.2 121.0

131 89.8 62.9 116.9

166 135.2 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) (-)

