

Data File : VU035236.D
Acq On : 18 Oct 2019 02:09
Operator : JC/SP
Sample : K5419-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G40

Quant Time: Oct 18 05:39:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 05:36:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	353169	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	342869	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	135351	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	111650	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.93	69	100567	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.59	63	156676	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	4.71	46	301211	48.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.34%
24) Chloroform-d	5.11	84	198262	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.75	65	113534	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.77	84	414592	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
36) 1,2-Dichloropropane-d6	6.74	67	130671	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.93	98	391354	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	8.22	79	55732	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.69	63	253098	47.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.00%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	108675	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.23	152	127727	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

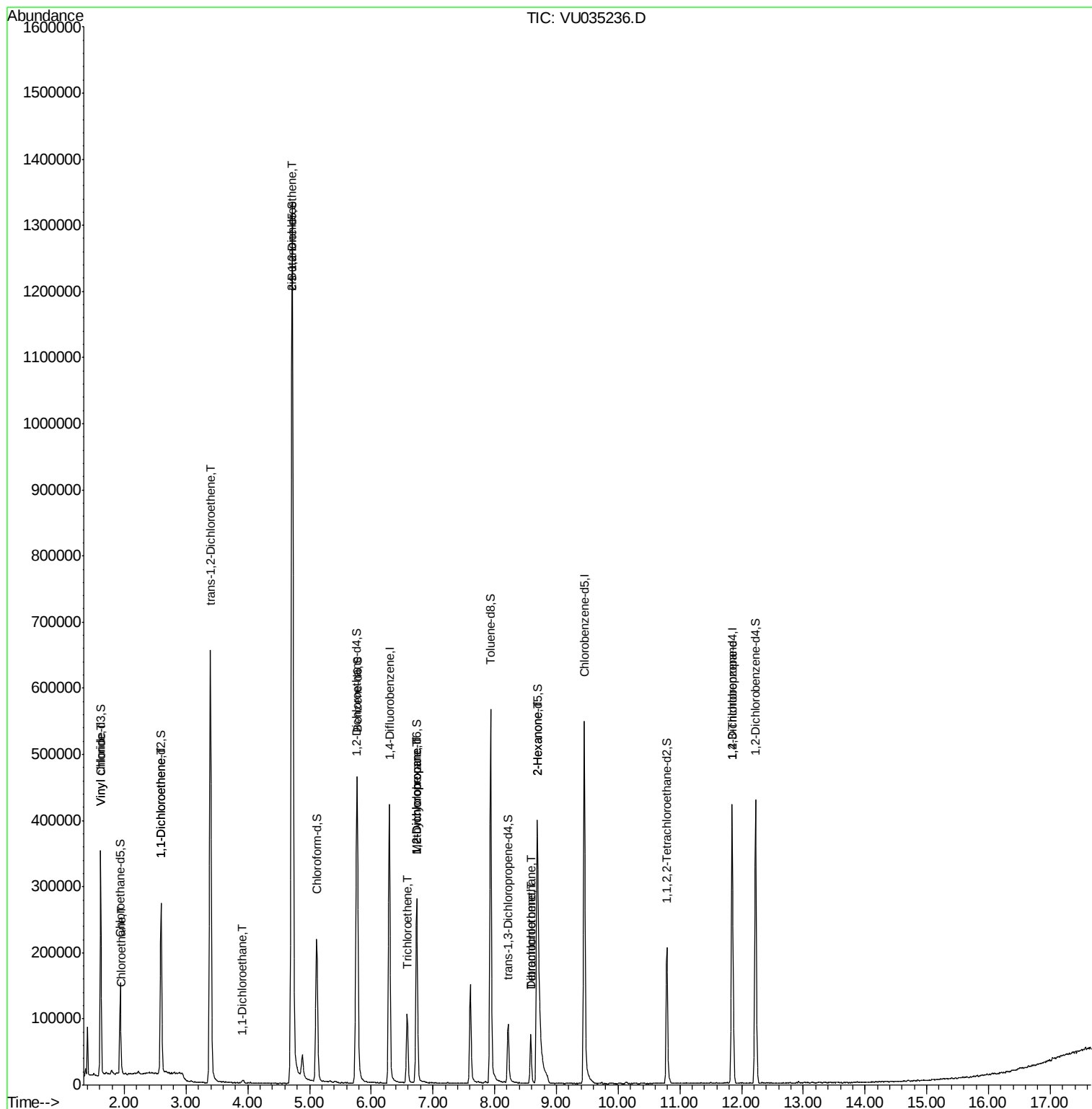
					Qvalue
5) Vinyl chloride	1.62	62	134181	4.382 ug/L	99
8) Chloroethane	1.95	64	3902	0.198 ug/L	94
12) 1,1-Dichloroethene	2.60	96	3771	0.166 ug/L #	1
18) trans-1,2-Dichloroethene	3.39	96	280416	11.452 ug/L	97
19) 1,1-Dichloroethane	3.92	63	5132	0.116 ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	633481	23.407 ug/L	97
34) Trichloroethene	6.58	95	34567	1.274 ug/L	99
35) Methylcyclohexane	6.74	83	30669	0.677 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	14861	0.580 ug/L #	86
47) Tetrachloroethene	8.59	164	17565	0.777 ug/L	95
48) 2-Hexanone	8.69	43	22509	1.856 ug/L #	67
49) Dibromochloromethane	8.58	129	16394	0.680 ug/L #	11
59) 1,2,3-Trichloropropane	11.85	75	16068	0.901 ug/L #	87

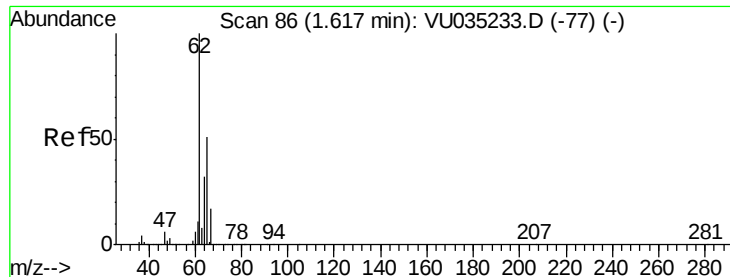
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.382 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

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Acq: 18 Oct 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

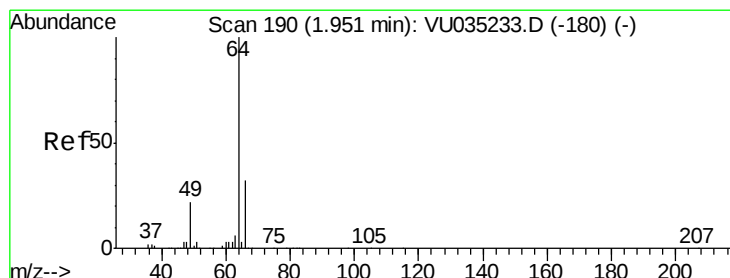
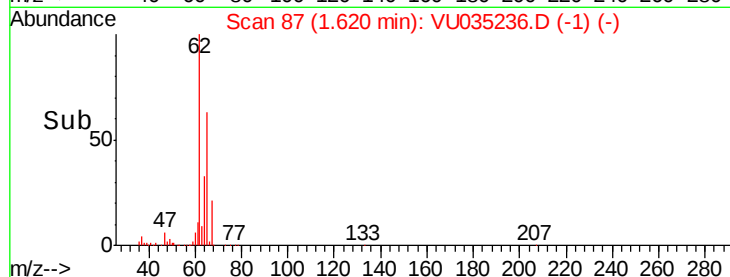
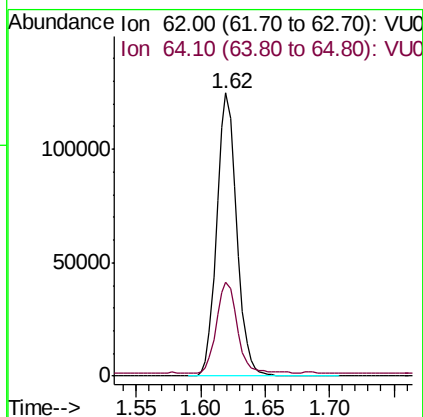
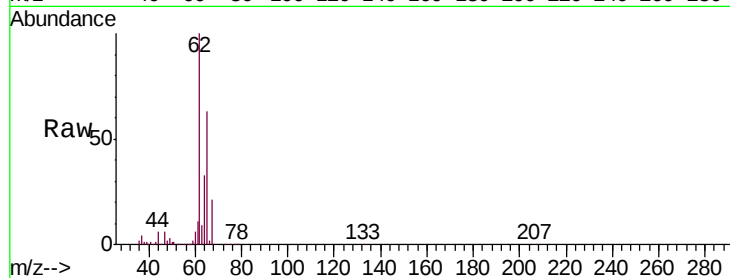
H0G40

Tgt Ion: 62 Resp: 134181

Ion Ratio Lower Upper

62 100

64 33.2 22.9 42.5



#8

Chloroethane

Concen: 0.198 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035236.D

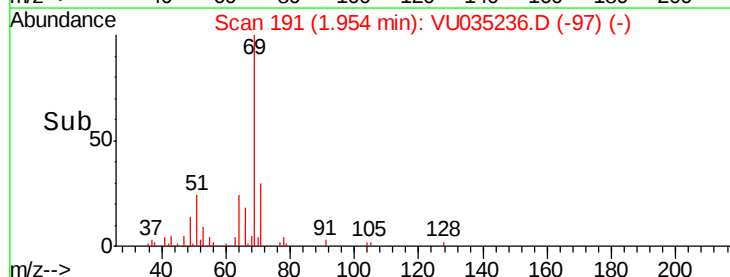
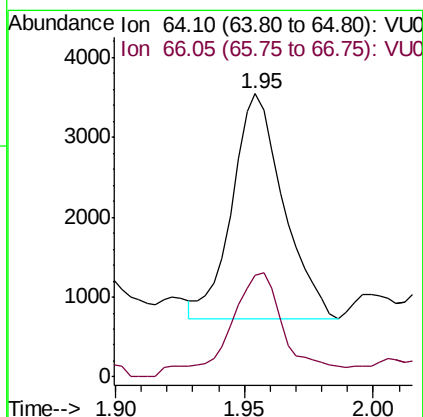
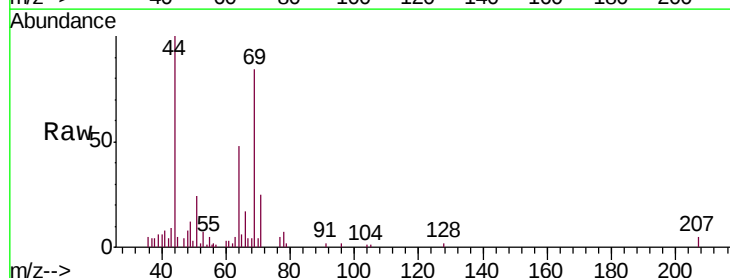
Acq: 18 Oct 2019 02:09

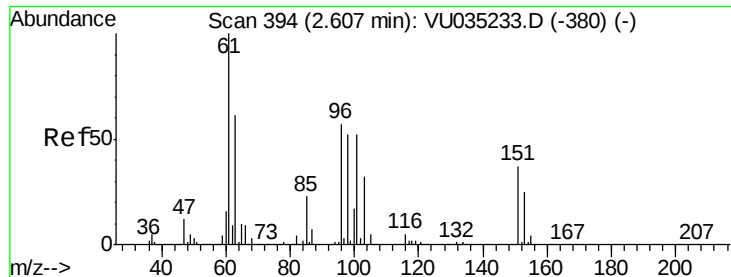
Tgt Ion: 64 Resp: 3902

Ion Ratio Lower Upper

64 100

66 35.8 22.7 42.1





#12

1,1-Dichloroethene

Concen: 0.166 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035236.D

Acq: 18 Oct 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

H0G40

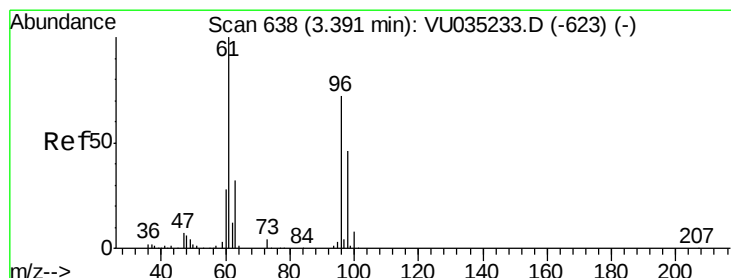
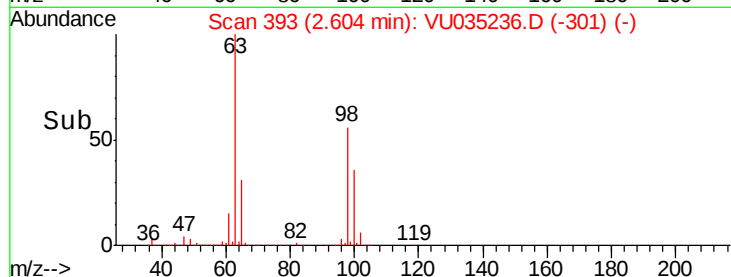
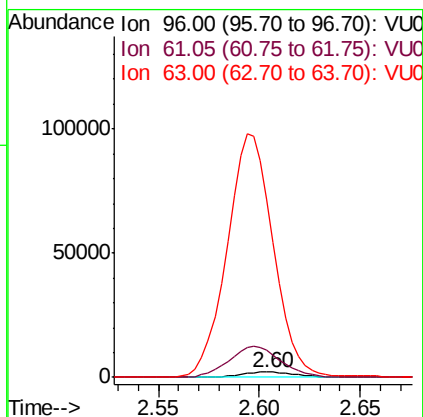
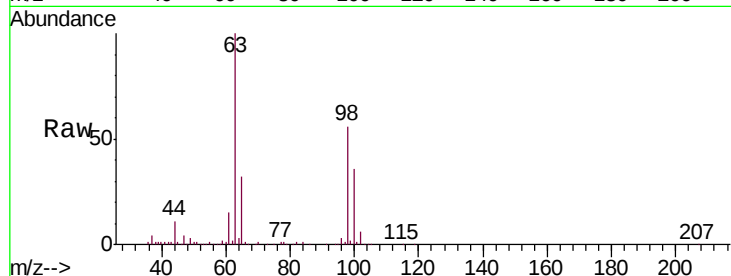
Tgt Ion: 96 Resp: 3771

Ion Ratio Lower Upper

96 100

61 502.7 120.6 224.0#

63 3294.4 86.8 161.2#



#18

trans-1,2-Dichloroethene

Concen: 11.452 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035236.D

Acq: 18 Oct 2019 02:09

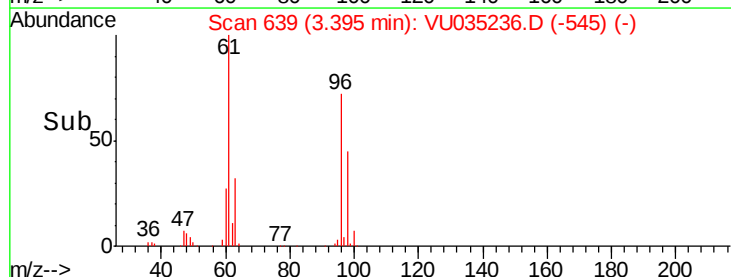
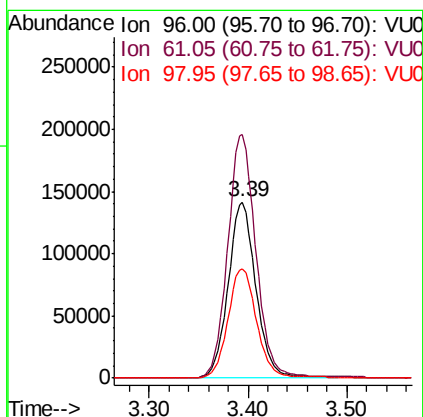
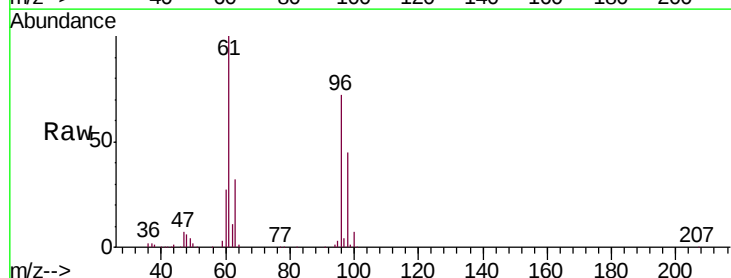
Tgt Ion: 96 Resp: 280416

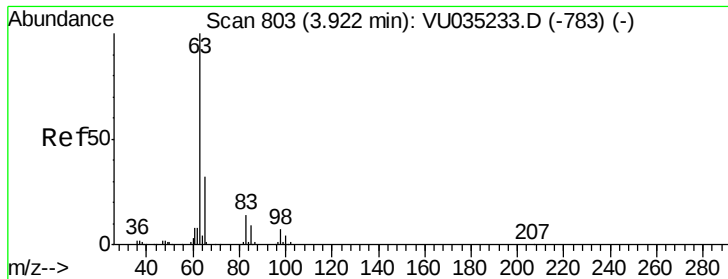
Ion Ratio Lower Upper

96 100

61 138.5 93.0 172.6

98 62.2 43.7 81.1

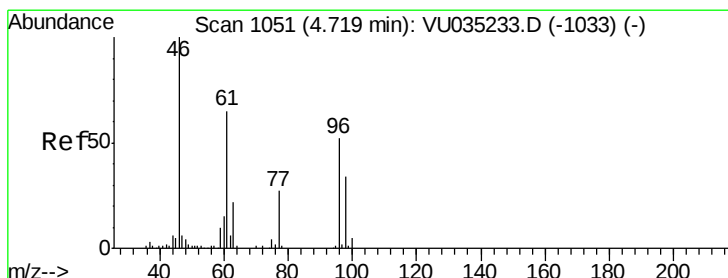
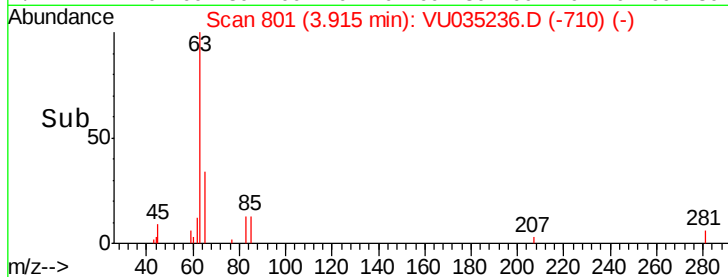
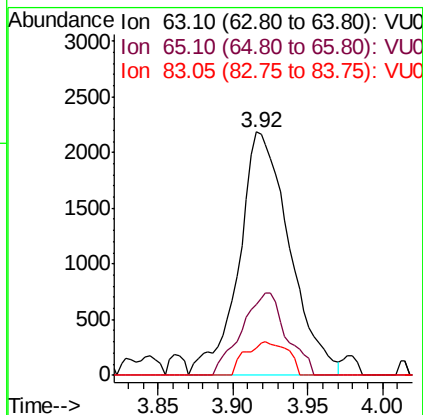
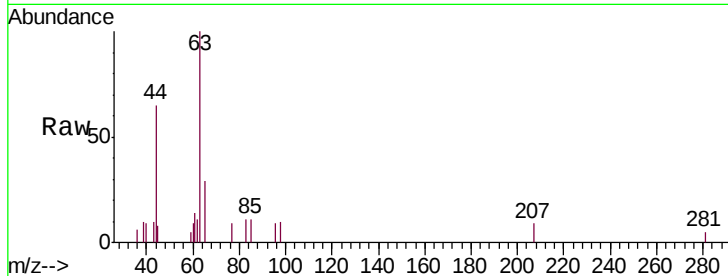




#19
 1,1-Dichloroethane
 Concen: 0.116 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VU035236.D
 Acq: 18 Oct 2019 02:09

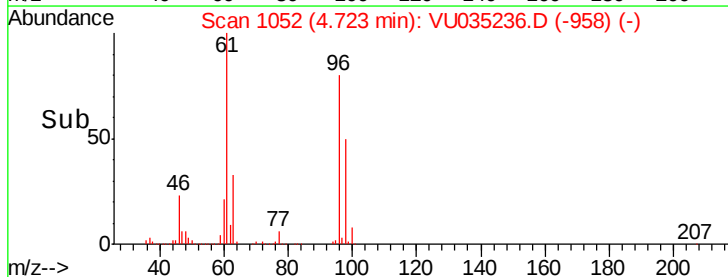
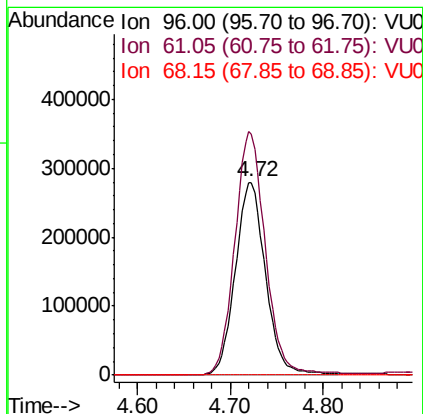
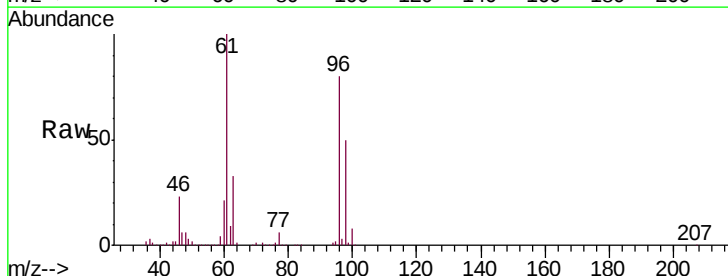
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G40

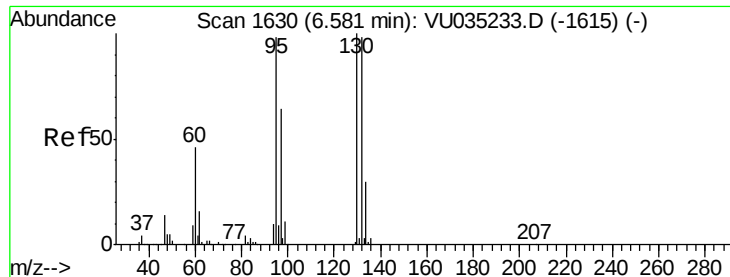
Tgt Ion: 63 Resp: 5132
 Ion Ratio Lower Upper
 63 100
 65 29.1 22.4 41.6
 83 11.1 9.3 17.3



#22
 cis-1,2-Dichloroethene
 Concen: 23.407 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VU035236.D
 Acq: 18 Oct 2019 02:09

Tgt Ion: 96 Resp: 633481
 Ion Ratio Lower Upper
 96 100
 61 124.9 89.7 166.5
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 1.274 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035236.D

Acq: 18 Oct 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

H0G40

Tgt Ion: 95 Resp: 34567

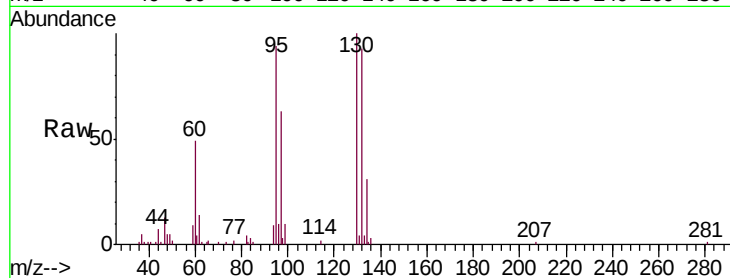
Ion Ratio Lower Upper

95 100

97 66.8 46.6 86.6

132 99.2 68.7 127.7

130 106.1 73.9 137.3

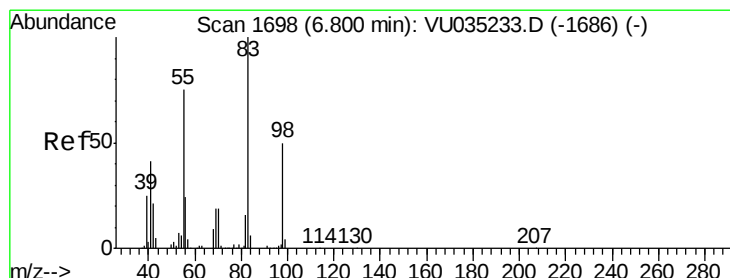
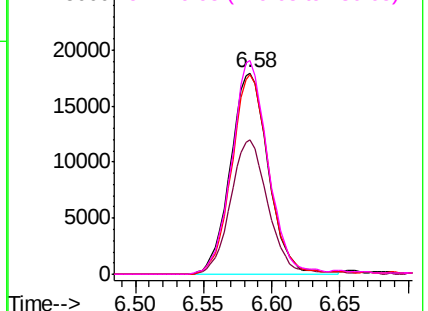
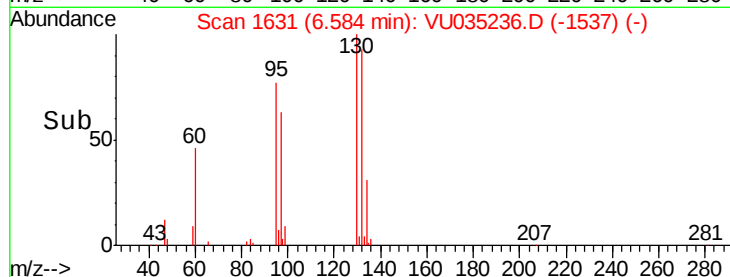


Abundance Ion 95.00 (94.70 to 95.70): VU035233.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035233.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU035233.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035233.D (-1615) (-)



#35

Methylcyclohexane

Concen: 0.677 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035236.D

Acq: 18 Oct 2019 02:09

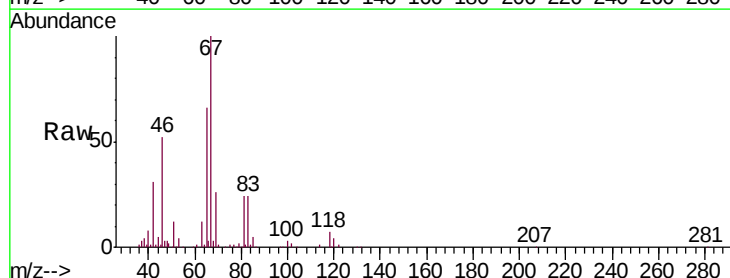
Tgt Ion: 83 Resp: 30669

Ion Ratio Lower Upper

83 100

55 0.9 60.4 90.6#

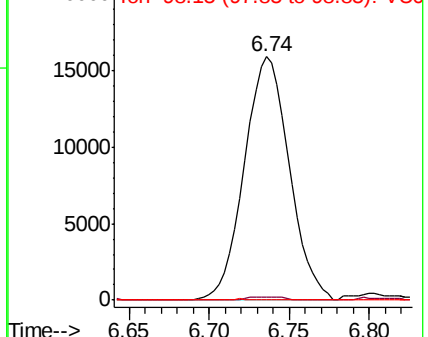
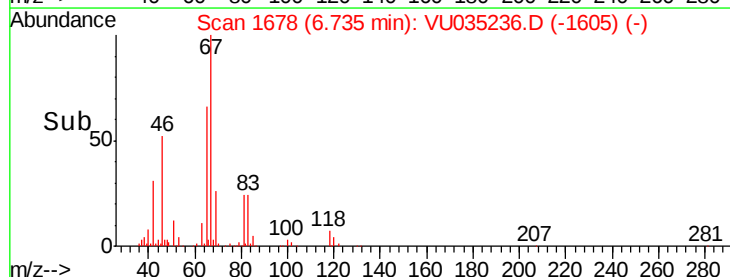
98 0.0 39.5 59.3#

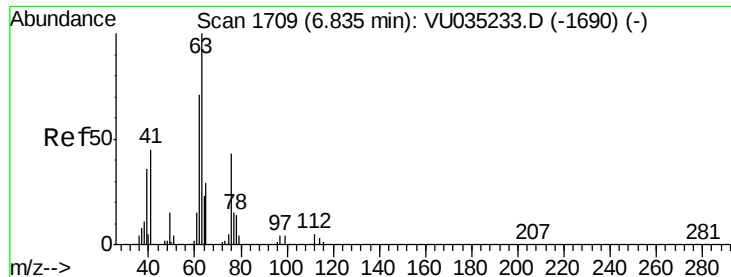


Abundance Ion 83.15 (82.85 to 83.85): VU035233.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU035233.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU035233.D (-1686) (-)





#37

1,2-Dichloropropane

Concen: 0.580 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035236.D

Acq: 18 Oct 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

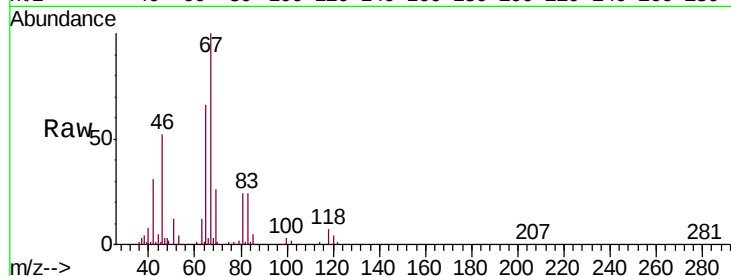
H0G40

Tgt Ion: 63 Resp: 14861

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU035233.D (-1690) (-)

Ion 112.10 (111.80 to 112.80): VU035233.D (-1690) (-)

6.74

8000

6000

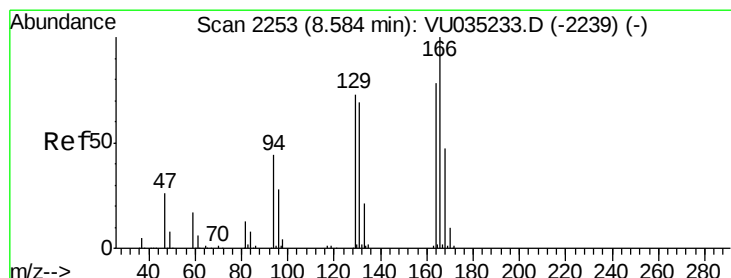
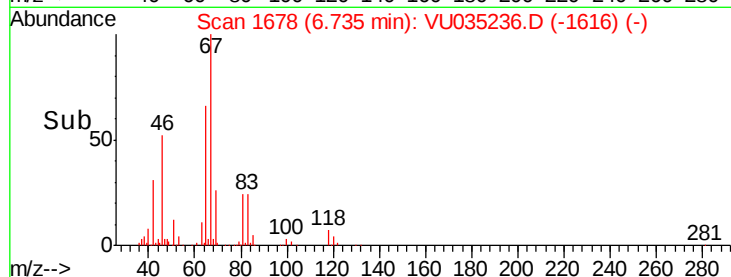
4000

2000

0

6.70 6.75 6.80

Time-->



#47

Tetrachloroethene

Concen: 0.777 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU035236.D

Acq: 18 Oct 2019 02:09

Tgt Ion:164 Resp: 17565

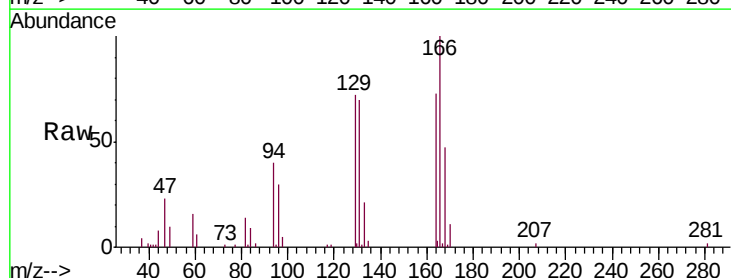
Ion Ratio Lower Upper

164 100

129 98.1 65.2 121.0

131 95.5 62.9 116.9

166 136.9 91.5 169.9



Abundance Ion 163.90 (163.60 to 164.60): VU035233.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU035233.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU035233.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU035233.D (-2239) (-)

20000

15000

10000

5000

0

8.50 8.55 8.60 8.65

Time-->

