

Data File : VU035439.D
Acq On : 24 Oct 2019 05:58
Operator : JC/SP
Sample : K5488-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G36

Quant Time: Oct 24 07:54:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 07:51:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	205569	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	203775	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	60383	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	50428	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.93	69	55545	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.60	63	76078	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.70	46	231877	64.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.74%
24) Chloroform-d	5.11	84	125751	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.75	65	71966	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
32) Benzene-d6	5.77	84	226924	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.74	67	84669	5.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.40%
41) Toluene-d8	7.93	98	180538	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.22	79	28375	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.69	63	149473	47.20	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.40%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	78028	5.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	57140	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

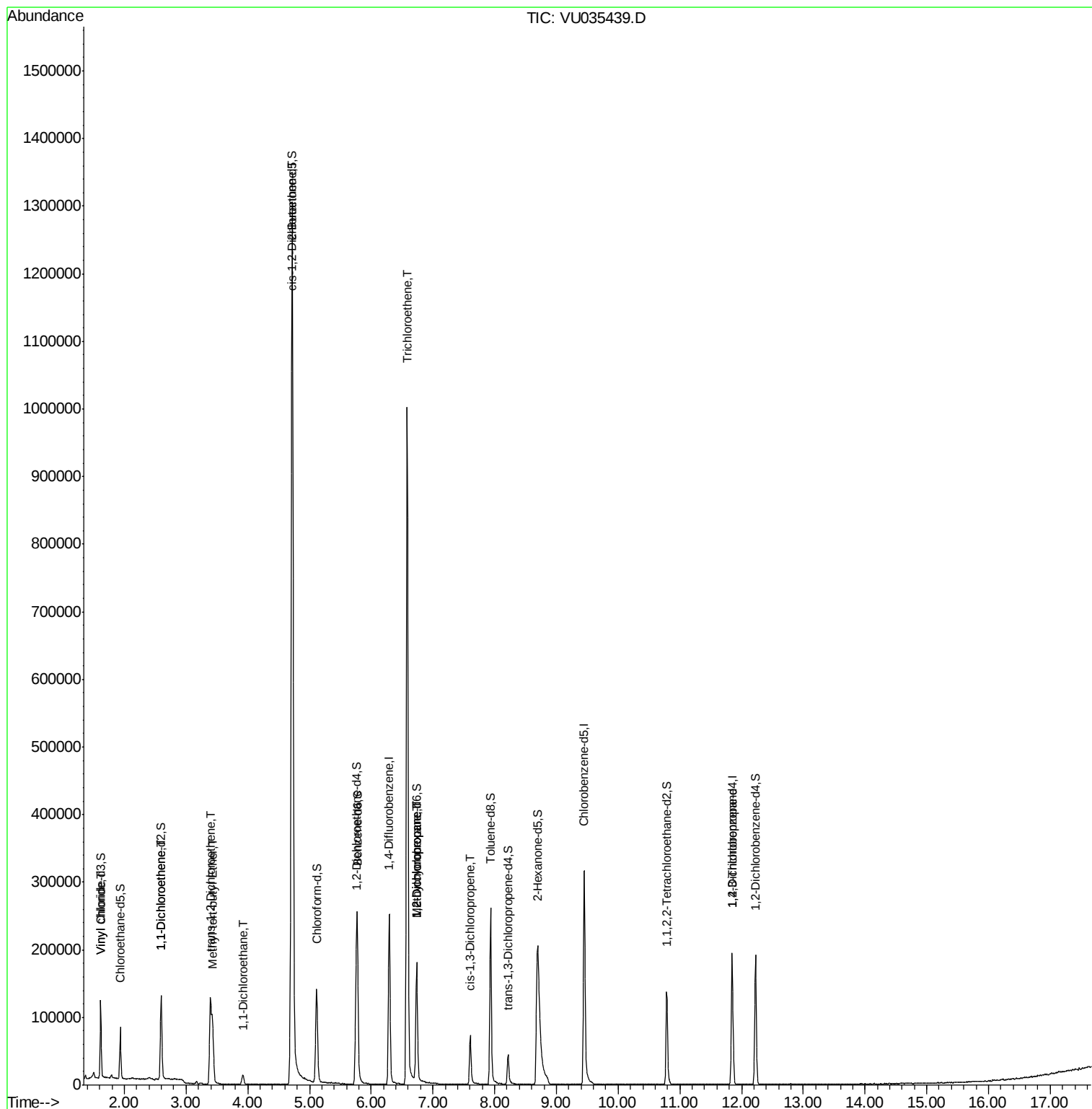
					Qvalue
5) Vinyl chloride	1.62	62	34235	1.921 ug/L	88
12) 1,1-Dichloroethene	2.61	96	4024	0.305 ug/L #	1
17) Methyl tert-butyl Ether	3.43	73	99085	2.788 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	51941	3.644 ug/L	96
19) 1,1-Dichloroethane	3.92	63	15793	0.613 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	644119	40.888 ug/L	97
34) Trichloroethene	6.58	95	348734	21.635 ug/L	97
35) Methylcyclohexane	6.74	83	19967	0.741 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	9103	0.598 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2126	0.083 ug/L #	39
59) 1,2,3-Trichloropropane	11.84	75	7695	0.726 ug/L	92

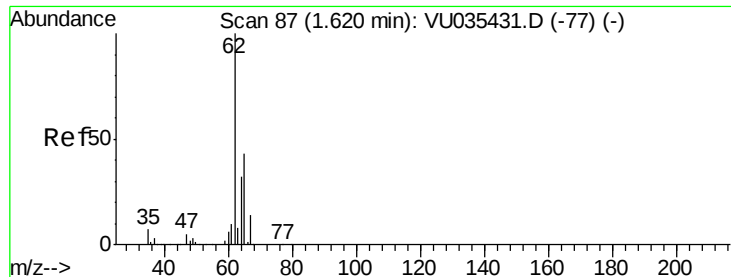
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.921 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampleId :

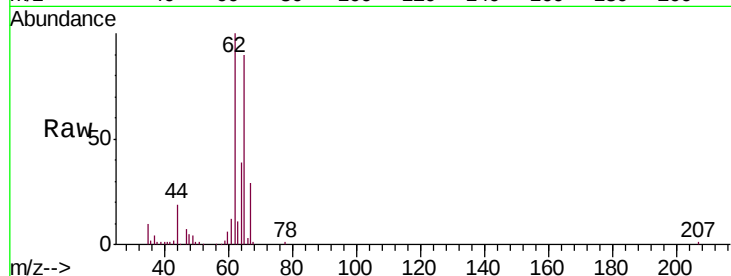
H0G36

Tgt Ion: 62 Resp: 34235

Ion Ratio Lower Upper

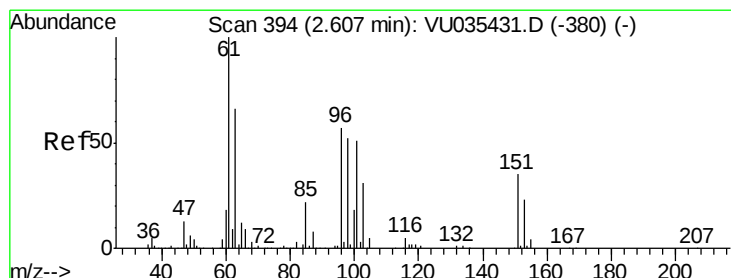
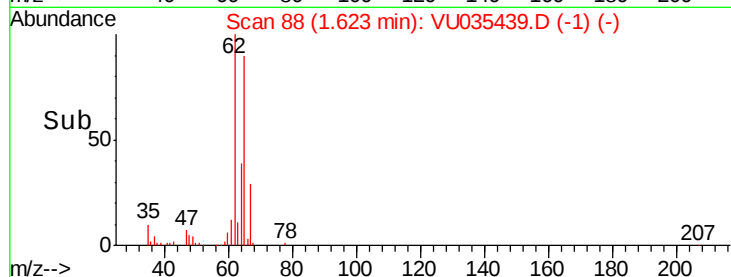
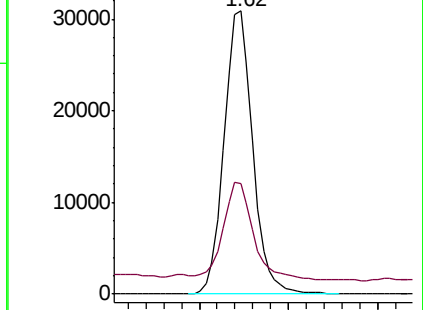
62 100

64 39.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035439.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035439.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 0.305 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

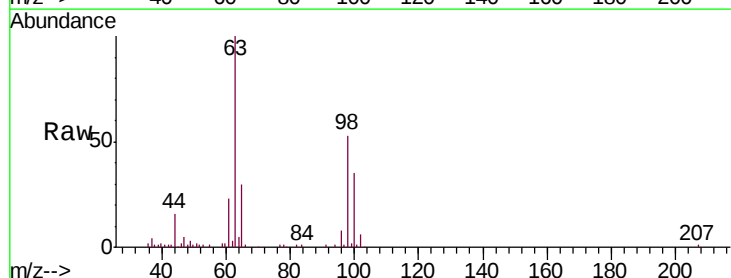
Tgt Ion: 96 Resp: 4024

Ion Ratio Lower Upper

96 100

61 278.9 120.6 224.0#

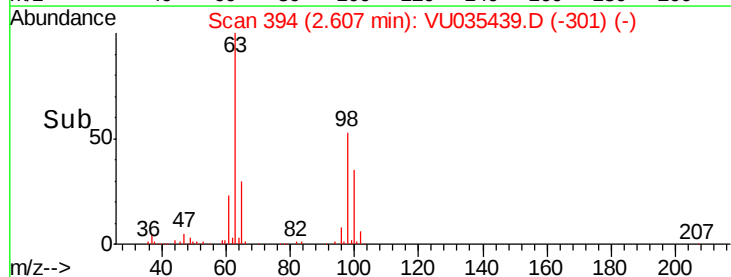
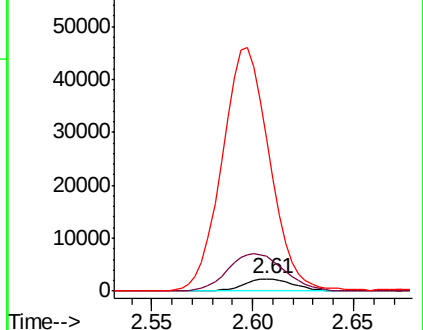
63 1221.7 86.8 161.2#

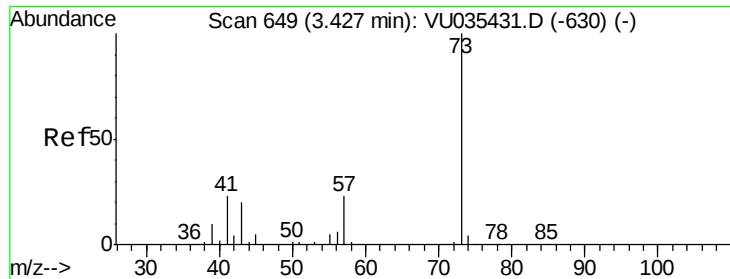


Abundance Ion 96.00 (95.70 to 96.70): VU035439.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035439.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035439.D (-301) (-)





#17

Methyl tert-butyl Ether

Concen: 2.788 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampled :

H0G36

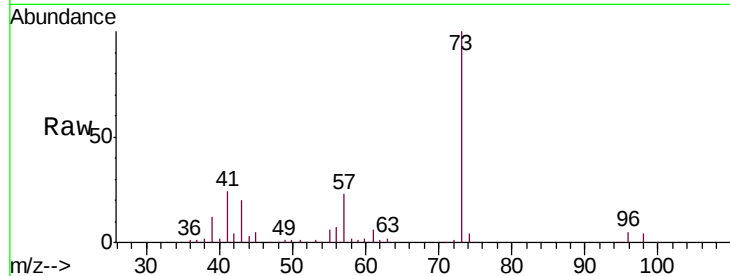
Tgt Ion: 73 Resp: 99085

Ion Ratio Lower Upper

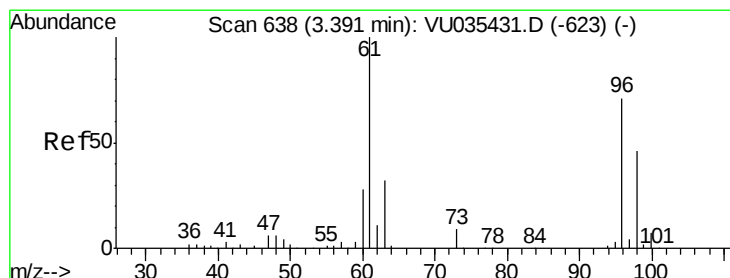
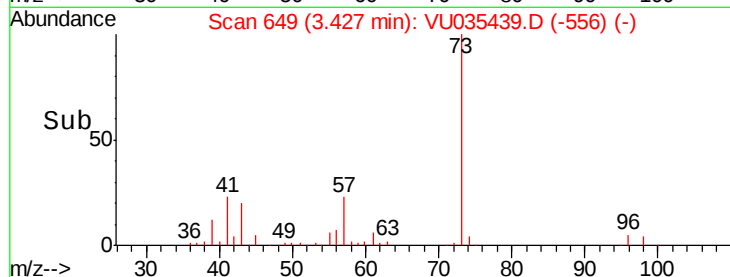
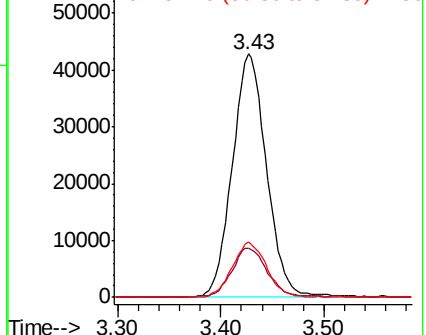
73 100

43 21.2 16.0 24.0

57 22.7 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: 3.644 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

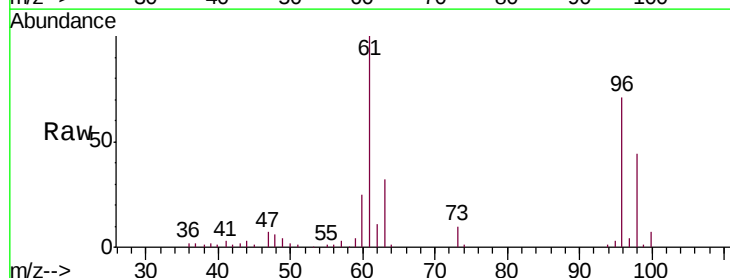
Tgt Ion: 96 Resp: 51941

Ion Ratio Lower Upper

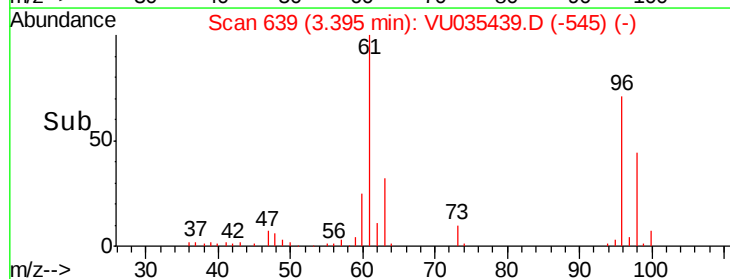
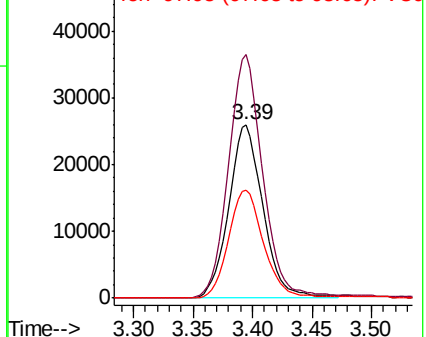
96 100

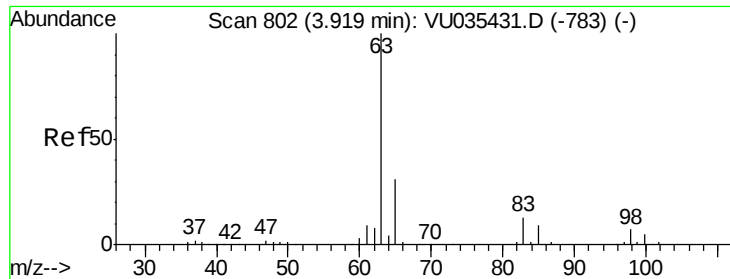
61 140.3 93.0 172.6

98 62.3 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: 0.613 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampleId :

H0G36

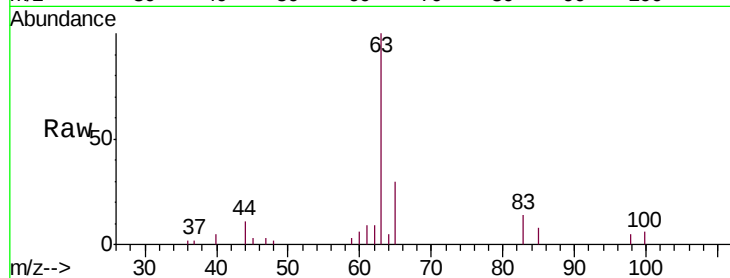
Tgt Ion: 63 Resp: 15793

Ion Ratio Lower Upper

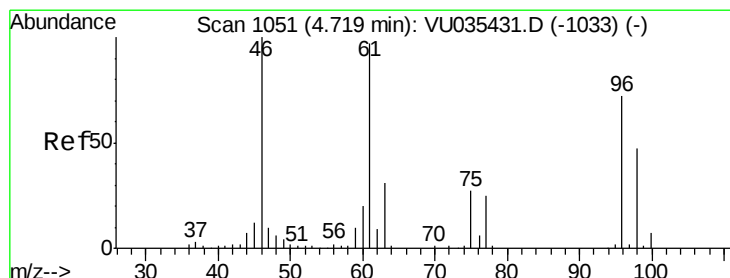
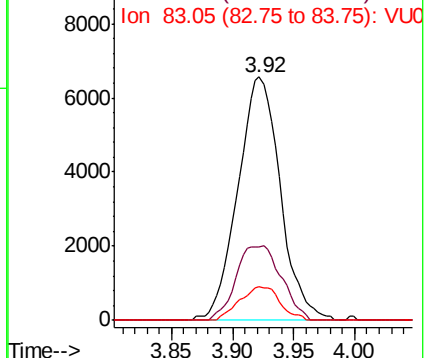
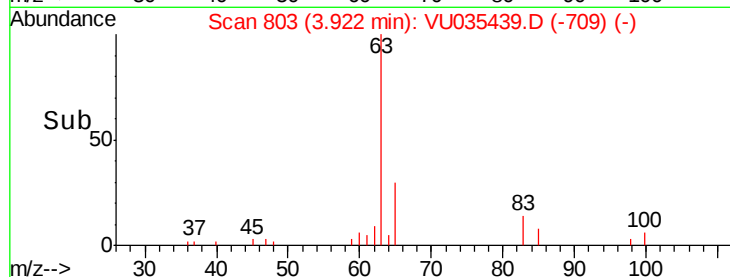
63 100

65 30.3 22.4 41.6

83 13.6 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035439.D (-709) (-)



#22

cis-1,2-Dichloroethene

Concen: 40.888 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

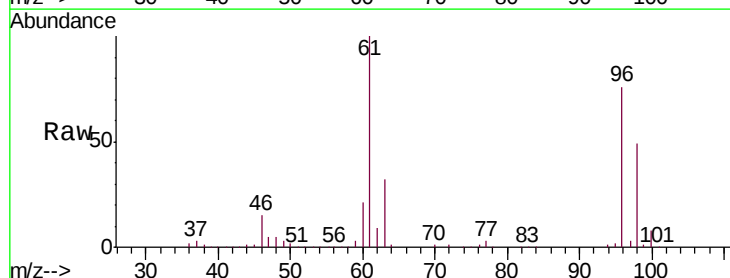
Tgt Ion: 96 Resp: 644119

Ion Ratio Lower Upper

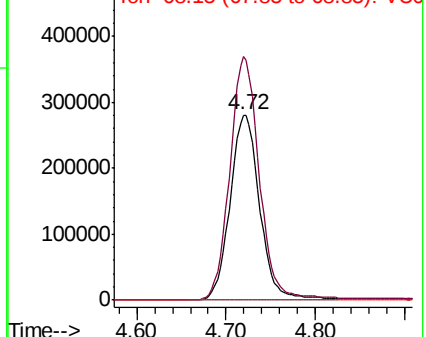
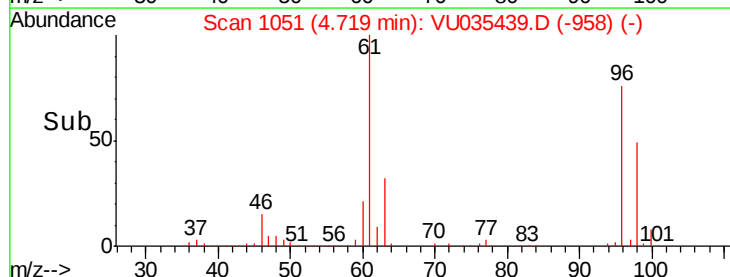
96 100

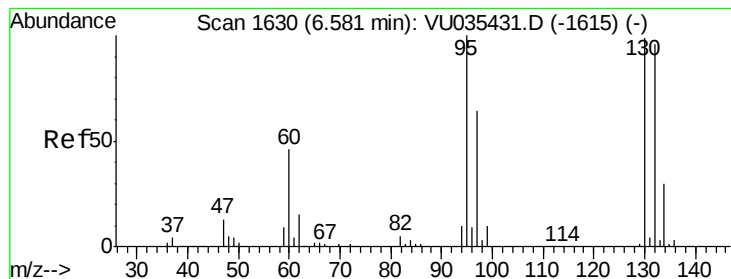
61 131.7 89.7 166.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035439.D (-958) (-)





#34

Trichloroethene

Concen: 21.635 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampleId :

H0G36

Tgt Ion: 95 Resp: 348734

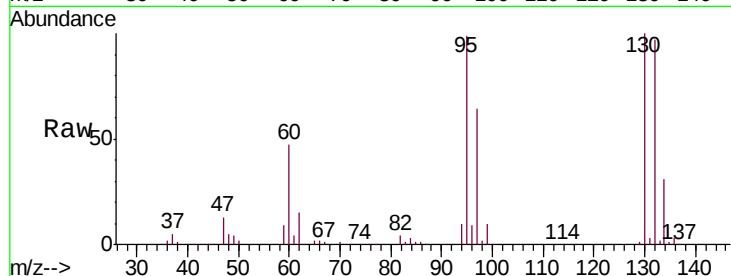
Ion Ratio Lower Upper

95 100

97 64.6 46.6 86.6

132 97.8 68.7 127.7

130 100.9 73.9 137.3

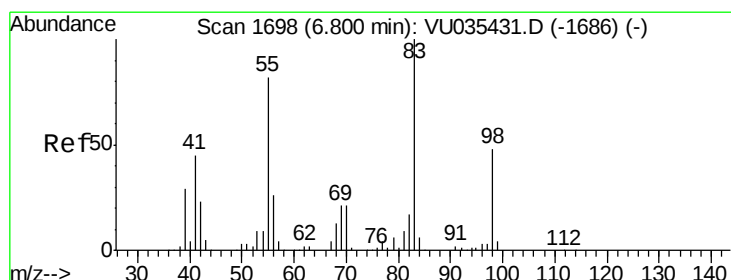
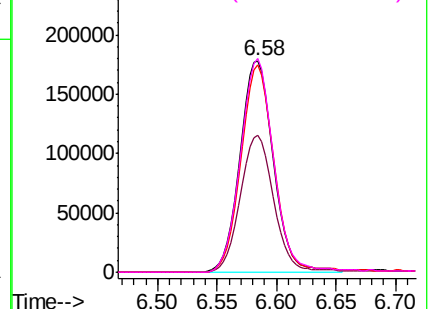
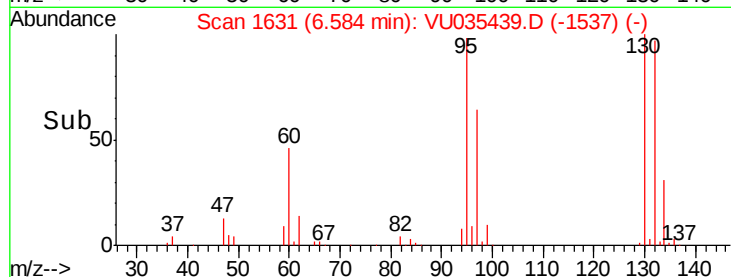


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.741 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

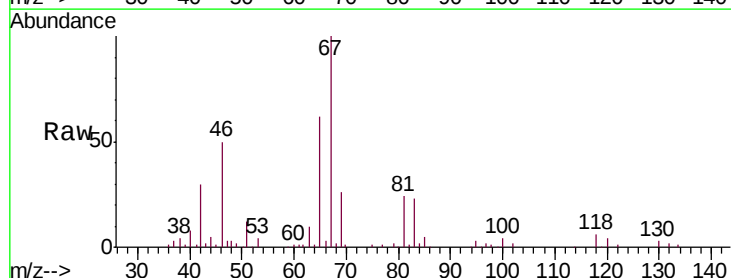
Tgt Ion: 83 Resp: 19967

Ion Ratio Lower Upper

83 100

55 0.1 60.4 90.6#

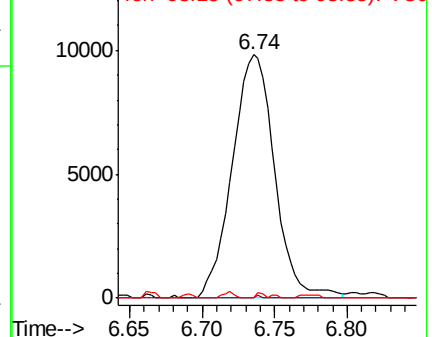
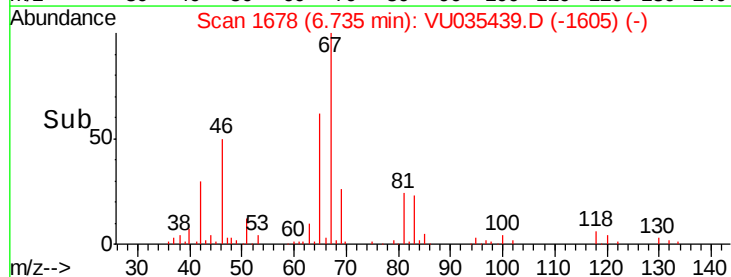
98 2.0 39.5 59.3#

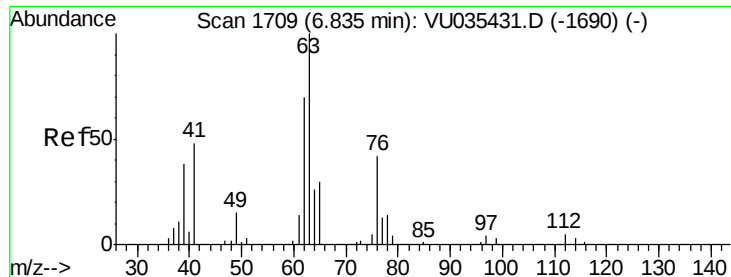


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

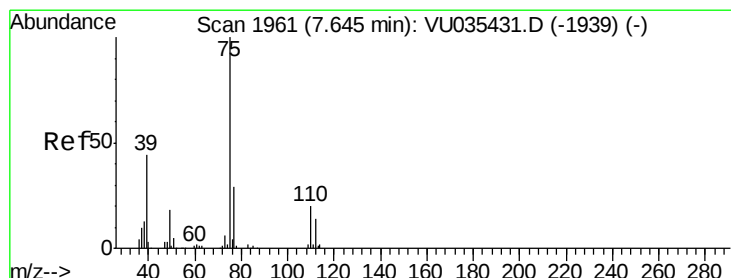
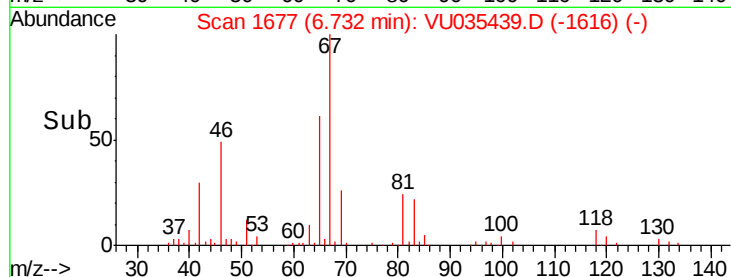
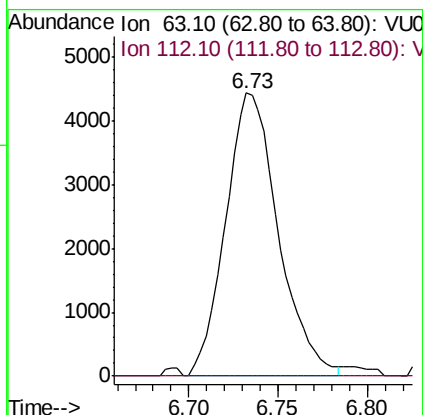
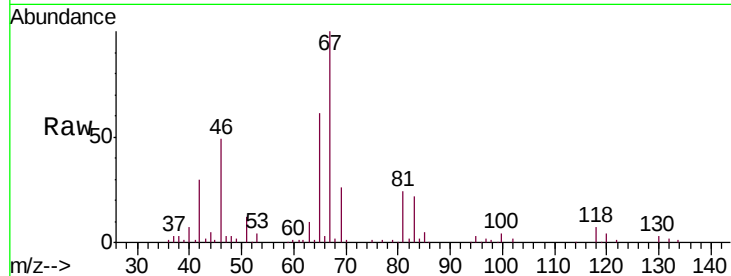




#37
 1,2-Dichloropropane
 Concen: 0.598 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU035439.D
 Acq: 24 Oct 2019 05:58

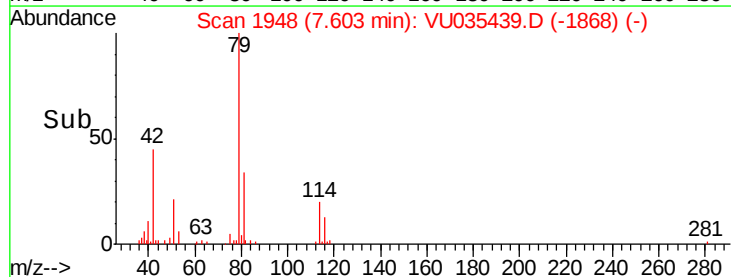
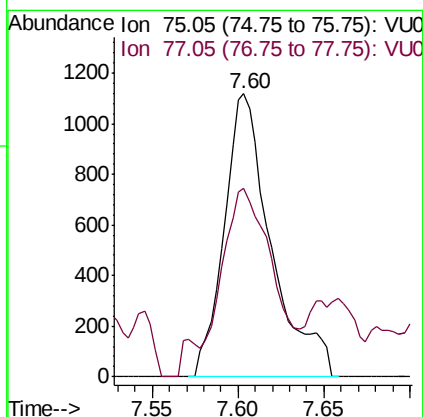
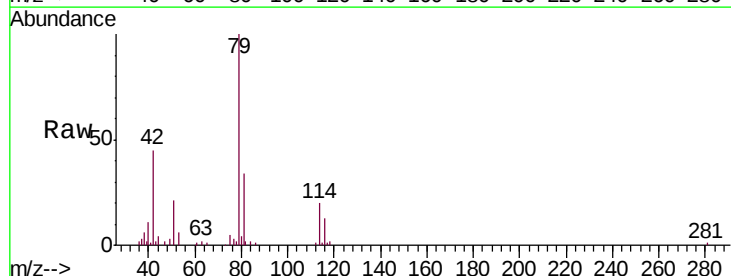
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G36

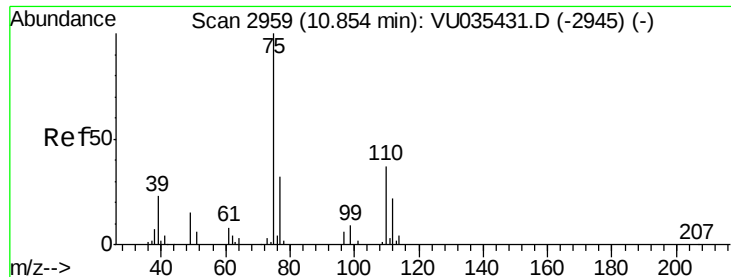
Tgt Ion: 63 Resp: 9103
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035439.D
 Acq: 24 Oct 2019 05:58

Tgt Ion: 75 Resp: 2126
 Ion Ratio Lower Upper
 75 100
 77 66.6 22.7 42.1#





#59

1,2,3-Trichloropropane

Concen: 0.726 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampleId :

H0G36

Tgt Ion: 75 Resp: 7695

Ion Ratio Lower Upper

75 100

77 37.3 26.2 39.2

