

Data File : VU035458.D
Acq On : 24 Oct 2019 14:31
Operator : JC/SP
Sample : K5488-23
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G37

Quant Time: Oct 25 07:07:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	200049	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	211259	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	60365	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	45495	3.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.60%
7) Chloroethane-d5	1.93	69	50552	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.60	63	65406	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	4.70	46	206504	58.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.82%
24) Chloroform-d	5.11	84	106023	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.75	65	64795	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.77	84	191933	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.40%
36) 1,2-Dichloropropane-d6	6.73	67	72458	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.93	98	147400	3.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.80%#
43) trans-1,3-Dichloropropene-	8.22	79	25696	3.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.00%
46) 2-Hexanone-d5	8.70	63	131914	40.18	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.36%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	70353	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	48271	4.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.80%

Target Compounds

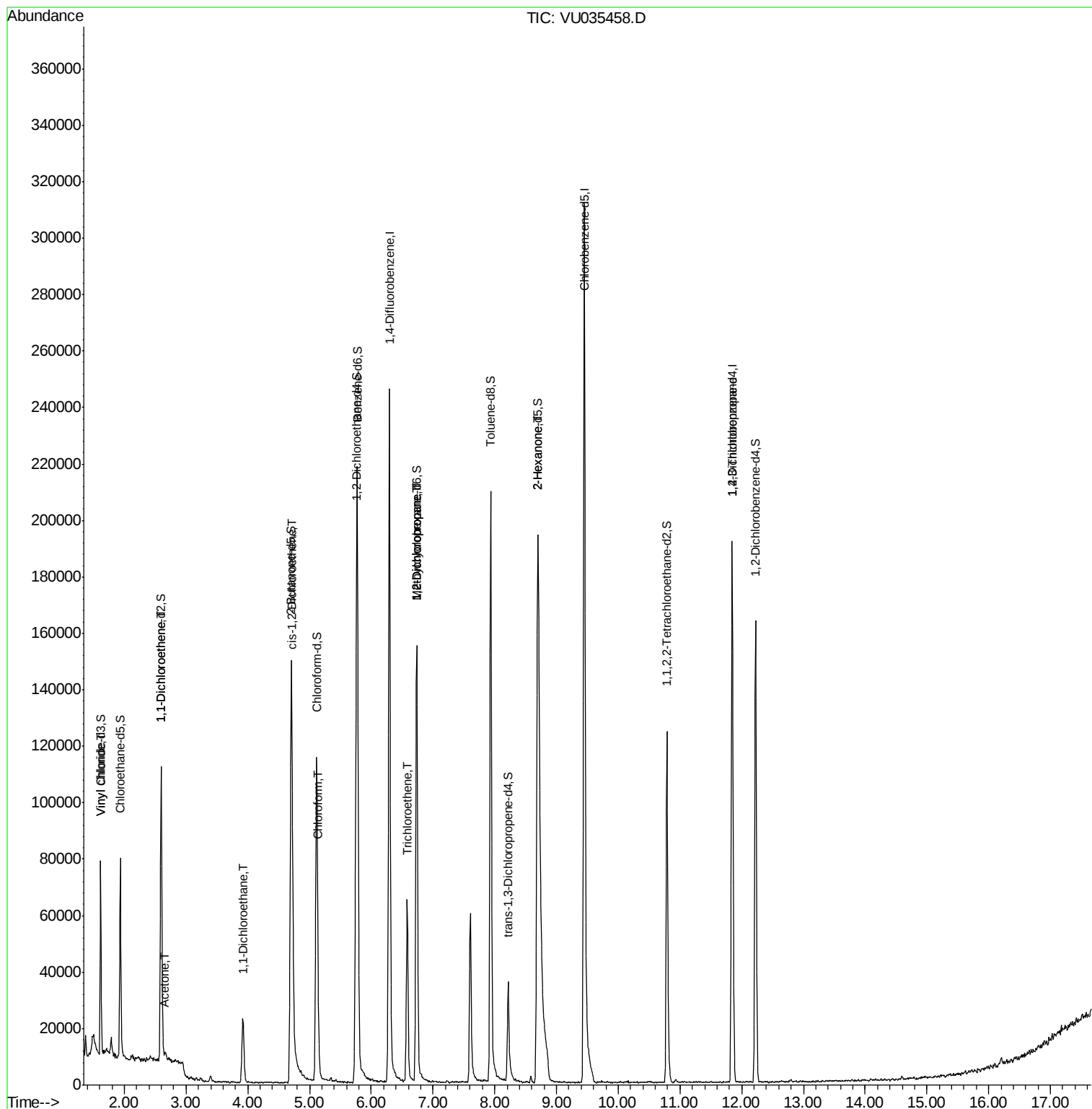
					Qvalue
5) Vinyl chloride	1.62	62	1467	0.085 ug/L #	1
12) 1,1-Dichloroethene	2.61	96	1614	0.126 ug/L #	1
13) Acetone	2.67	43	2225	0.913 ug/L	88
19) 1,1-Dichloroethane	3.92	63	26981	1.076 ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	19267	1.257 ug/L	91
25) Chloroform	5.14	83	9034	0.328 ug/L	88
34) Trichloroethene	6.58	95	21862	1.308 ug/L	96
35) Methylcyclohexane	6.73	83	17427	0.624 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	8847	0.561 ug/L #	86
48) 2-Hexanone	8.70	43	12854	1.721 ug/L #	67
59) 1,2,3-Trichloropropane	11.84	75	7649	0.696 ug/L	90

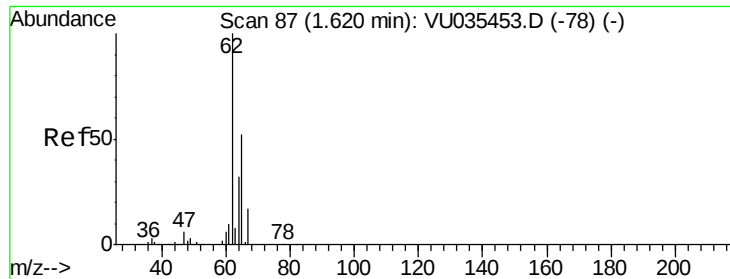
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.085 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035458.D

Acq: 24 Oct 2019 14:31

Instrument :

MSVOA_U

ClientSampleId :

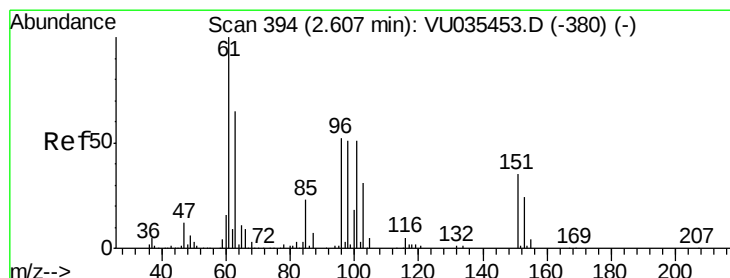
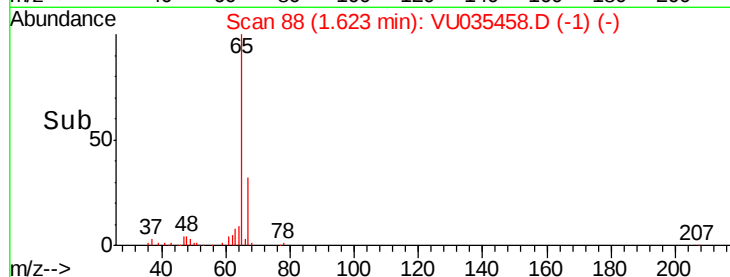
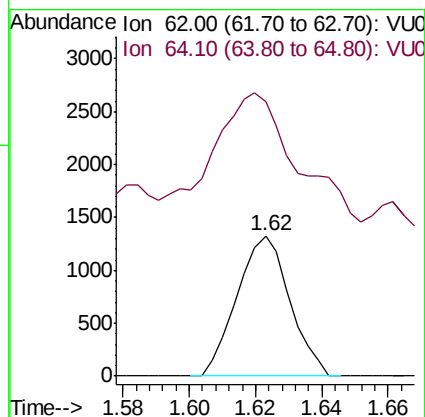
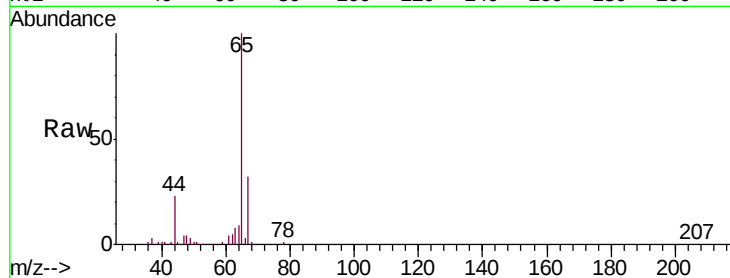
H0G37

Tgt Ion: 62 Resp: 1467

Ion Ratio Lower Upper

62 100

64 195.2 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 0.126 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035458.D

Acq: 24 Oct 2019 14:31

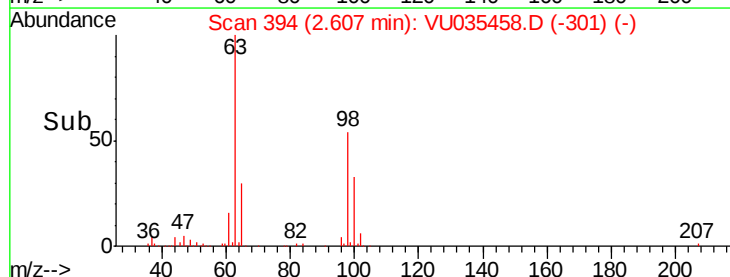
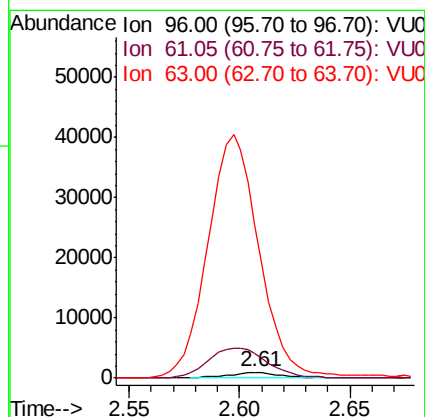
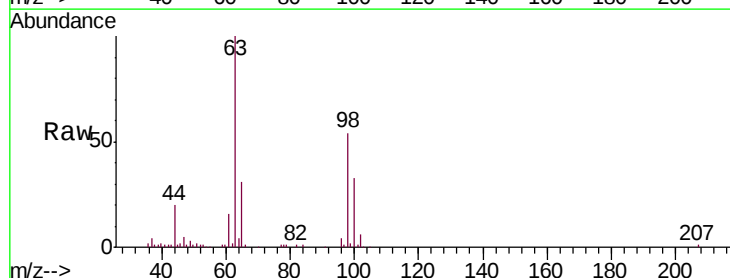
Tgt Ion: 96 Resp: 1614

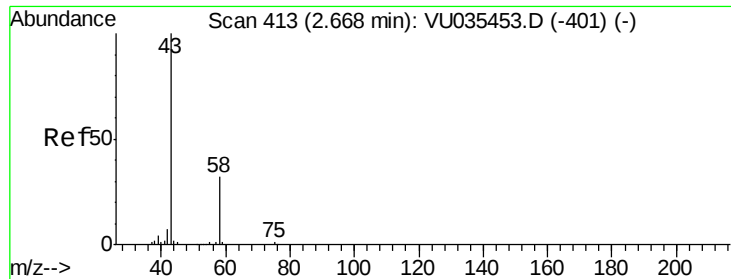
Ion Ratio Lower Upper

96 100

61 419.0 120.6 224.0#

63 2612.4 86.8 161.2#





#13

Acetone

Concen: 0.913 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU035458.D

Acq: 24 Oct 2019 14:31

Instrument :

MSVOA_U

ClientSampleId :

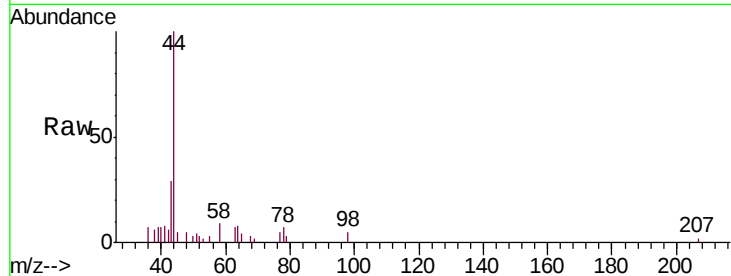
H0G37

Tgt Ion: 43 Resp: 2225

Ion Ratio Lower Upper

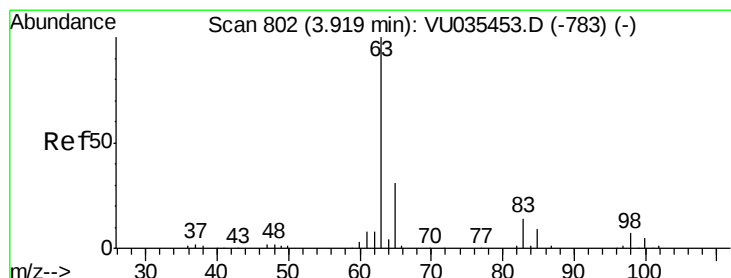
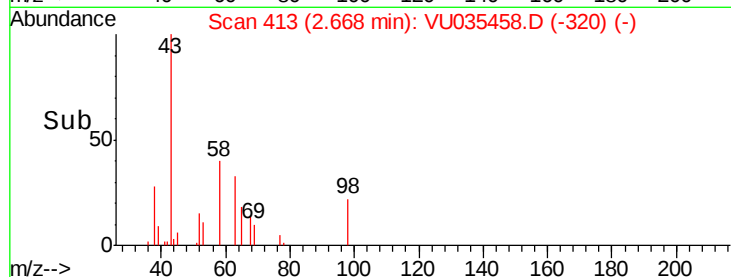
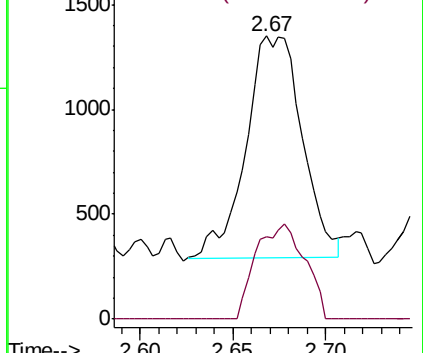
43 100

58 37.4 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035458.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU035458.D (-320) (-)



#19

1,1-Dichloroethane

Concen: 1.076 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035458.D

Acq: 24 Oct 2019 14:31

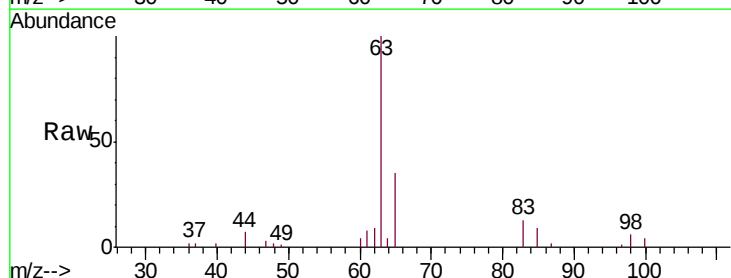
Tgt Ion: 63 Resp: 26981

Ion Ratio Lower Upper

63 100

65 35.4 22.4 41.6

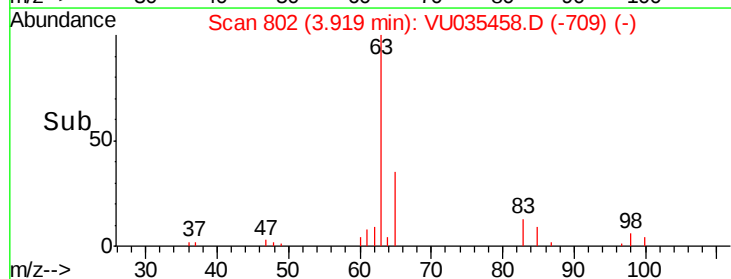
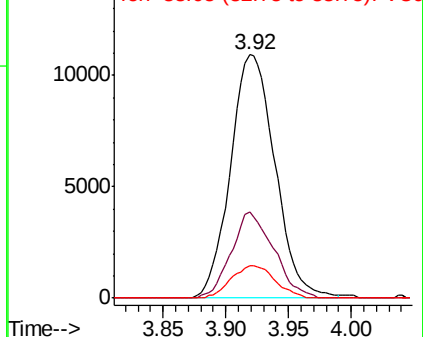
83 13.4 9.3 17.3

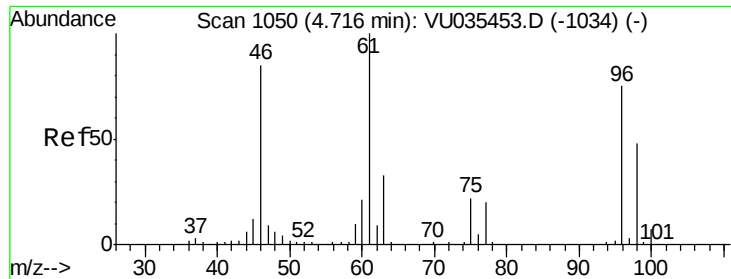


Abundance Ion 63.10 (62.80 to 63.80): VU035458.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035458.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035458.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.257 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035458.D

Acq: 24 Oct 2019 14:31

Instrument :

MSVOA_U

ClientSampleId :

H0G37

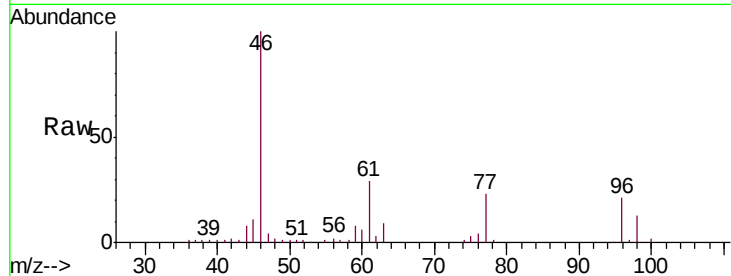
Tgt Ion: 96 Resp: 19267

Ion Ratio Lower Upper

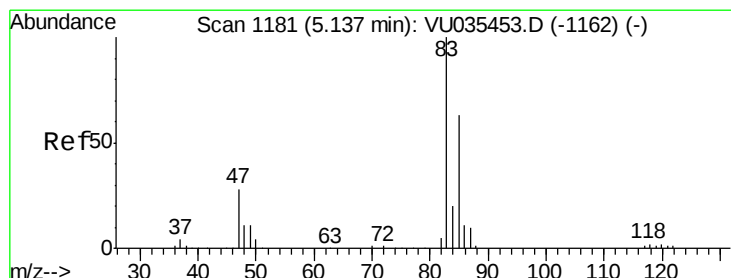
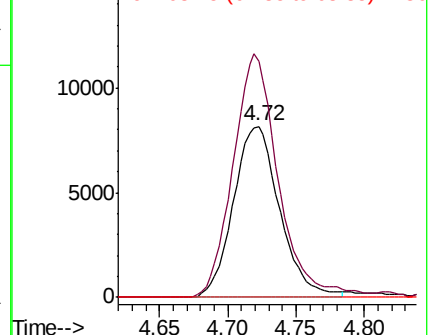
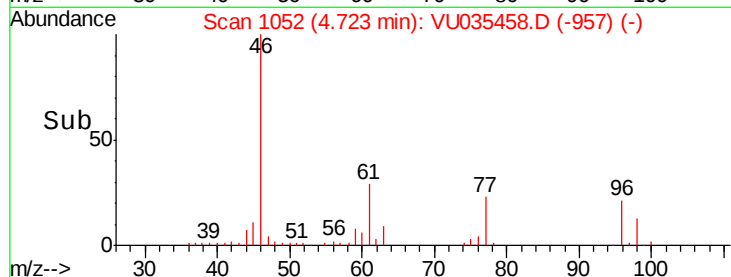
96 100

61 137.9 89.7 166.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035458.D (-1052) (-)



#25

Chloroform

Concen: 0.328 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035458.D

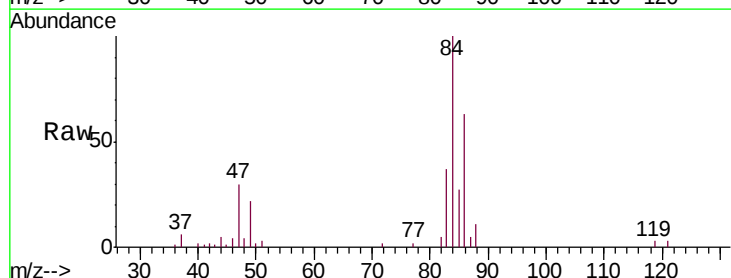
Acq: 24 Oct 2019 14:31

Tgt Ion: 83 Resp: 9034

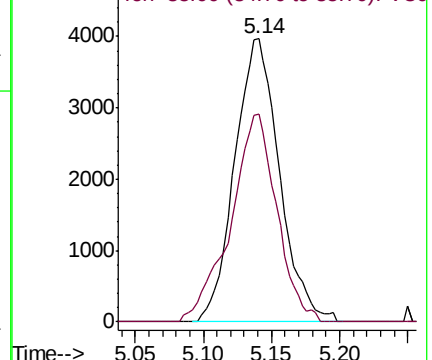
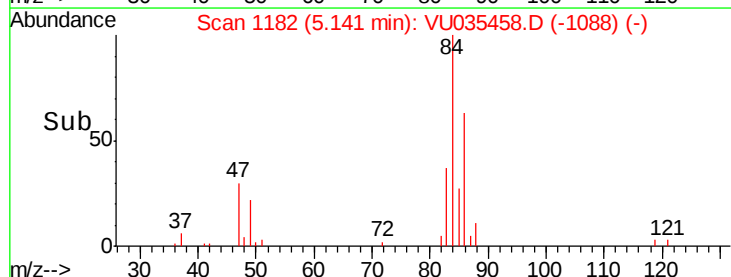
Ion Ratio Lower Upper

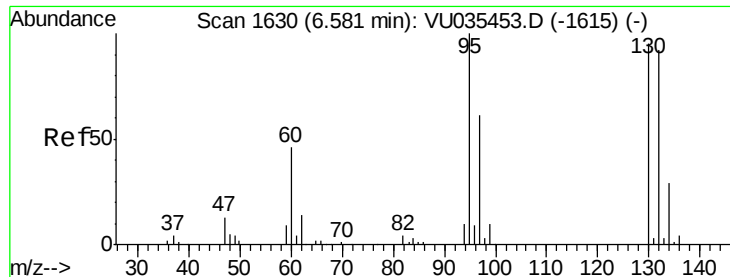
83 100

85 73.7 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU035458.D (-1182) (-)





#34

Trichloroethene

Concen: 1.308 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035458.D

Acq: 24 Oct 2019 14:31

Instrument :

MSVOA_U

ClientSampleId :

H0G37

Tgt Ion: 95 Resp: 21862

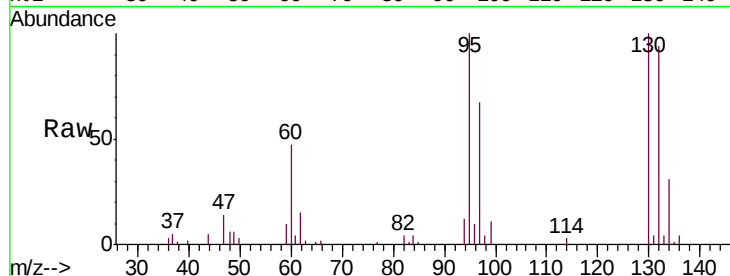
Ion Ratio Lower Upper

95 100

97 67.0 46.6 86.6

132 93.9 68.7 127.7

130 100.2 73.9 137.3

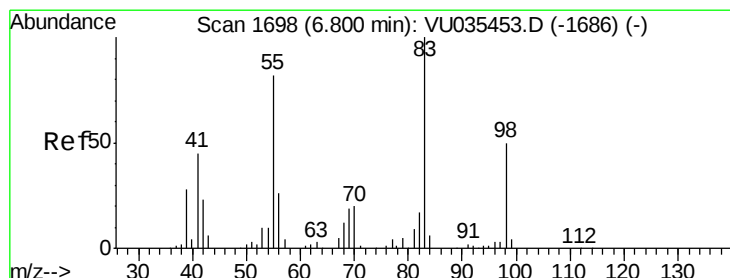
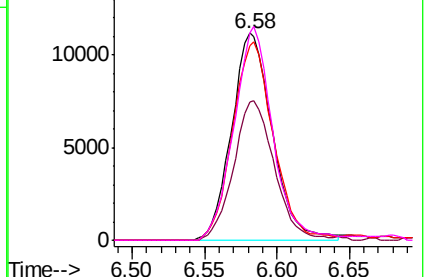
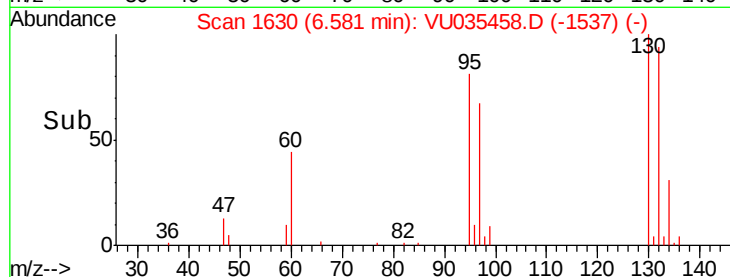


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.624 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035458.D

Acq: 24 Oct 2019 14:31

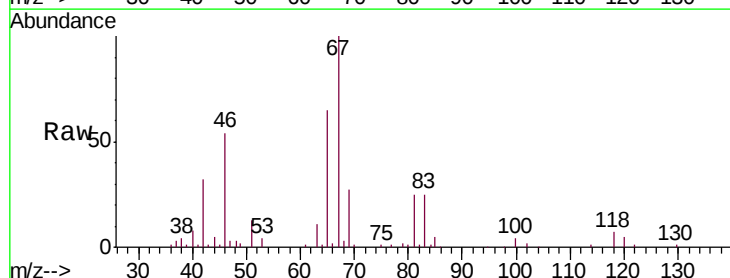
Tgt Ion: 83 Resp: 17427

Ion Ratio Lower Upper

83 100

55 0.0 60.4 90.6#

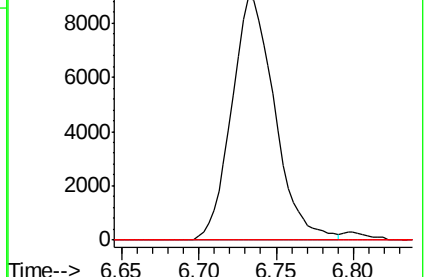
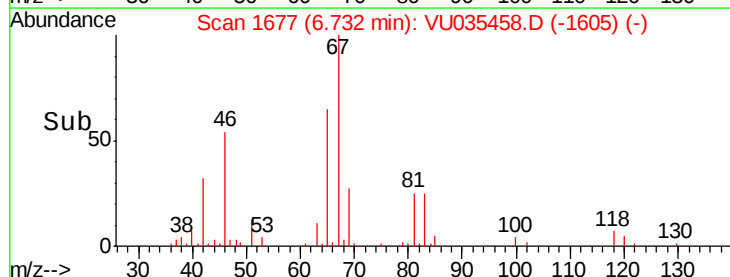
98 1.6 39.5 59.3#

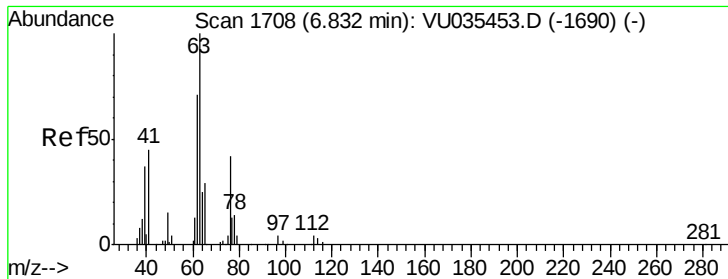


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

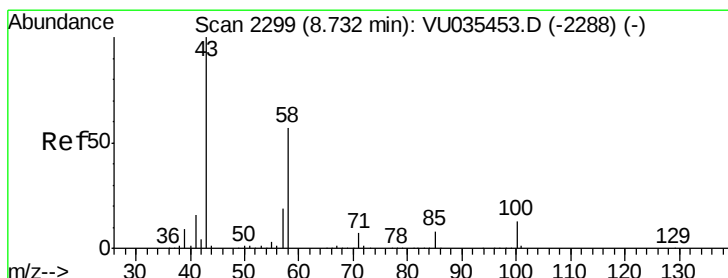
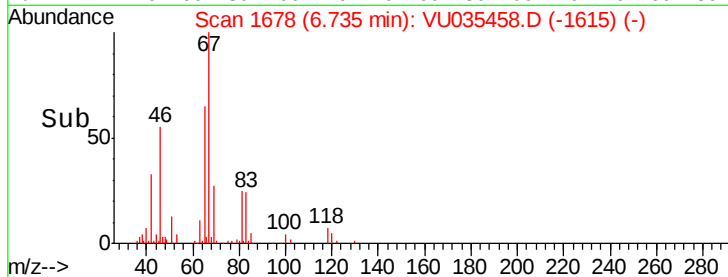
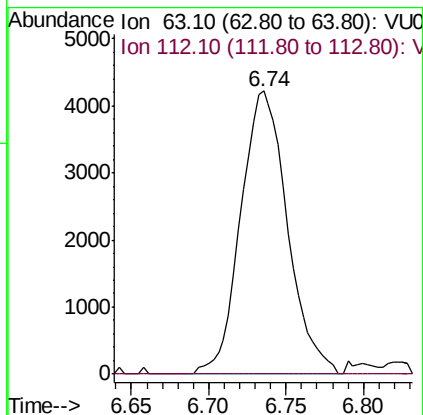
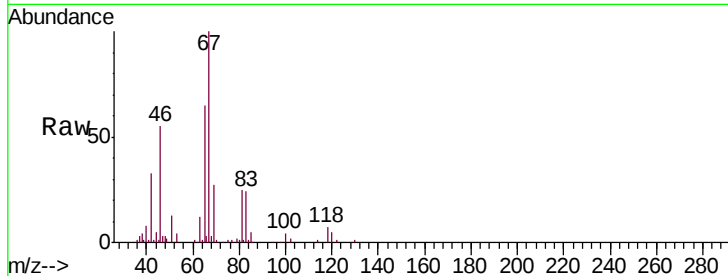




#37
 1,2-Dichloropropane
 Concen: 0.561 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035458.D
 Acq: 24 Oct 2019 14:31

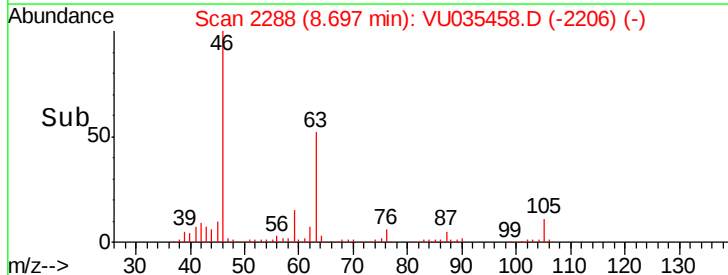
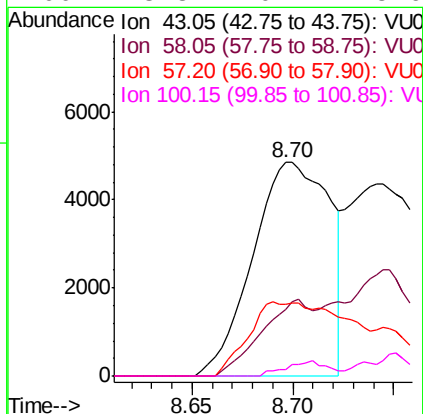
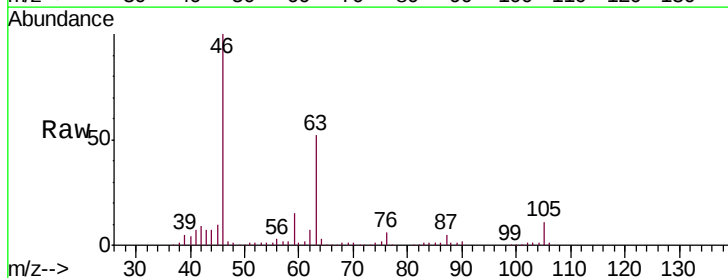
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G37

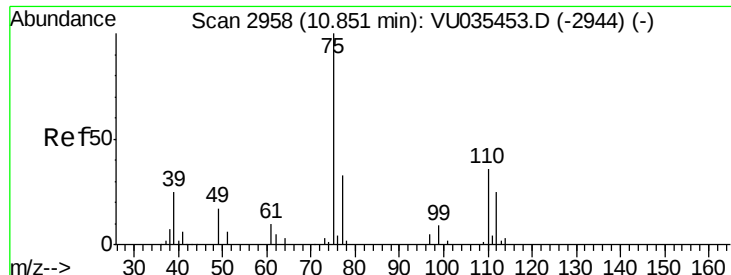
Tgt Ion: 63 Resp: 8847
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#48
 2-Hexanone
 Concen: 1.721 ug/L
 RT: 8.70 min Scan# 2288
 Delta R.T. -0.04 min
 Lab File: VU035458.D
 Acq: 24 Oct 2019 14:31

Tgt Ion: 43 Resp: 12854
 Ion Ratio Lower Upper
 43 100
 58 23.0 45.1 67.7#
 57 17.5 16.0 24.0
 100 3.8 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.696 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035458.D

Acq: 24 Oct 2019 14:31

Instrument :

MSVOA_U

ClientSampleId :

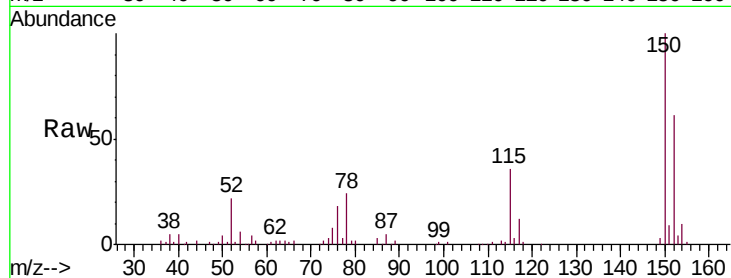
H0G37

Tgt Ion: 75 Resp: 7649

Ion Ratio Lower Upper

75 100

77 38.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

