

Data File : VU035456.D
Acq On : 24 Oct 2019 13:42
Operator : JC/SP
Sample : K5488-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G09

Quant Time: Oct 25 07:07:26 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	202064	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	213418	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	59066	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	47325	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	1.93	69	50305	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.60	63	66021	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	4.70	46	210263	59.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.76%
24) Chloroform-d	5.11	84	108842	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.75	65	64586	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.77	84	198784	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
36) 1,2-Dichloropropane-d6	6.74	67	76516	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.93	98	154350	3.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.20%#
43) trans-1,3-Dichloropropene-	8.22	79	26837	3.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.40%
46) 2-Hexanone-d5	8.70	63	128603	38.78	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.56%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	72132	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	48499	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

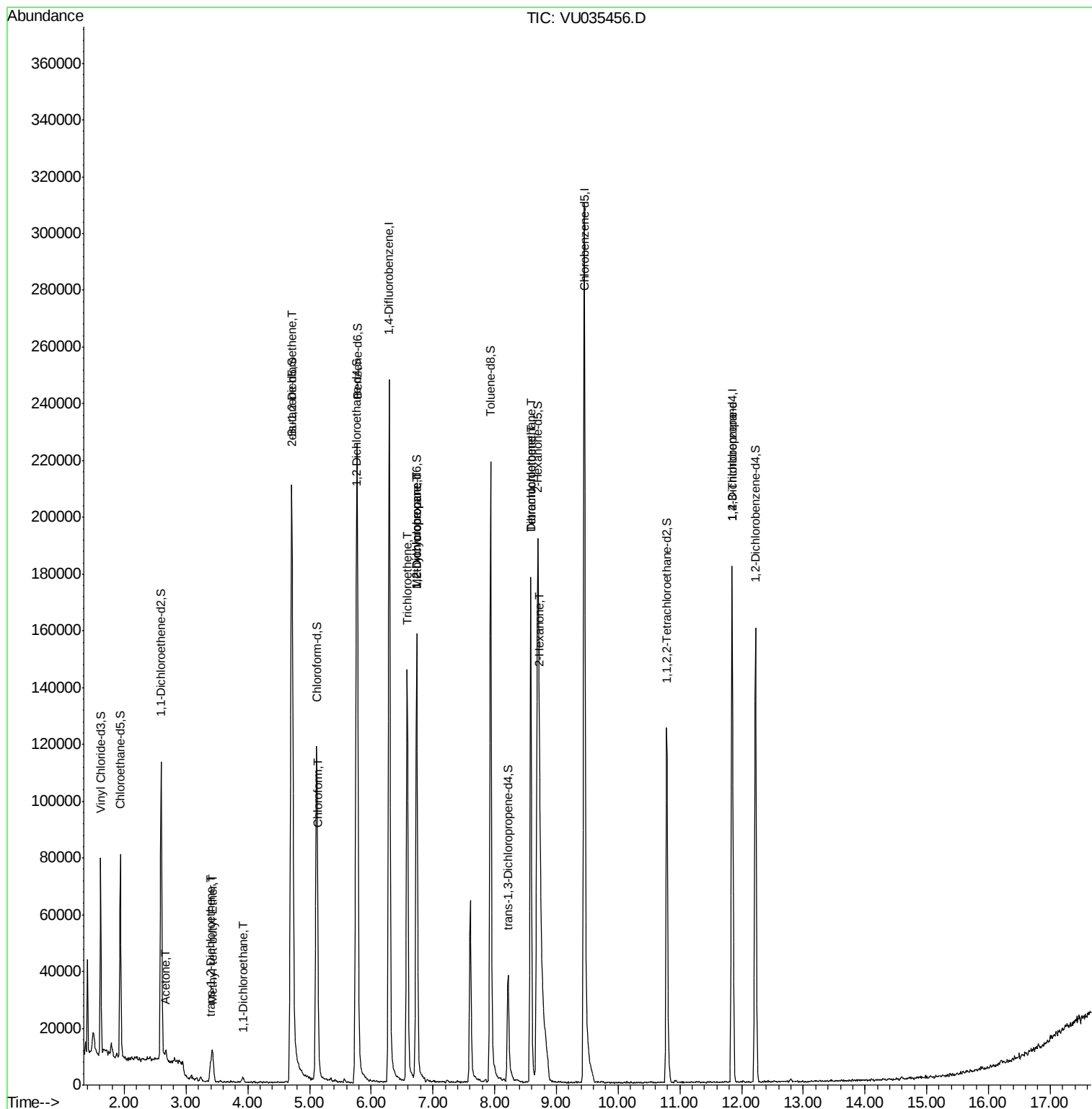
					Qvalue
13) Acetone	2.67	43	2970	1.206 ug/L	95
17) Methyl tert-butyl Ether	3.43	73	11765	0.337 ug/L	96
18) trans-1,2-Dichloroethene	3.39	96	2391	0.171 ug/L	82
19) 1,1-Dichloroethane	3.92	63	2774	0.109 ug/L #	89
22) cis-1,2-Dichloroethene	4.72	96	61508	3.972 ug/L	97
25) Chloroform	5.14	83	10185	0.366 ug/L	100
34) Trichloroethene	6.58	95	50408	2.986 ug/L	97
35) Methylcyclohexane	6.73	83	17154	0.608 ug/L #	18
37) 1,2-Dichloropropane	6.74	63	8374	0.525 ug/L #	88
47) Tetrachloroethene	8.58	164	41596	2.958 ug/L	98
48) 2-Hexanone	8.73	43	11908	1.578 ug/L #	44
49) Dibromochloromethane	8.58	129	36634	2.442 ug/L #	11
59) 1,2,3-Trichloropropane	11.85	75	7814	0.704 ug/L	93

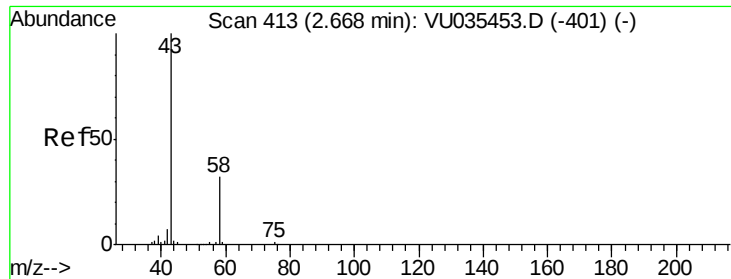
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.206 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU035456.D

Acq: 24 Oct 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

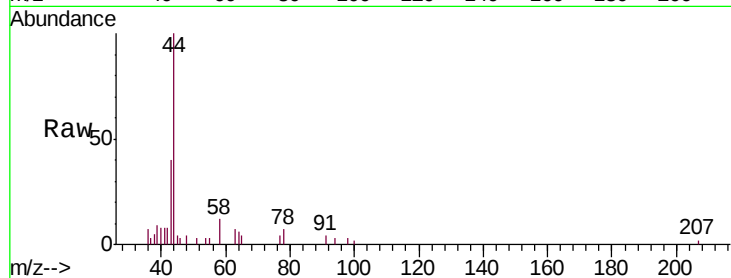
H0G09

Tgt Ion: 43 Resp: 2970

Ion Ratio Lower Upper

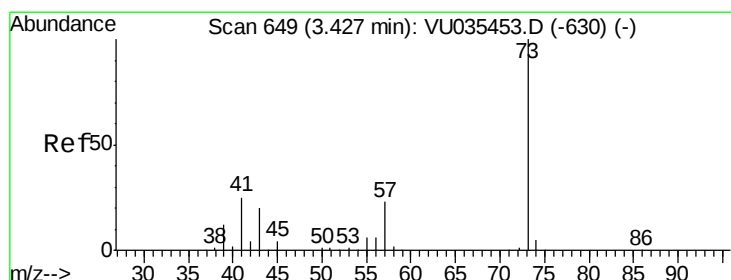
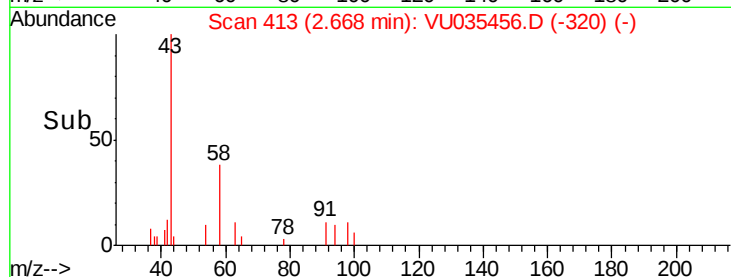
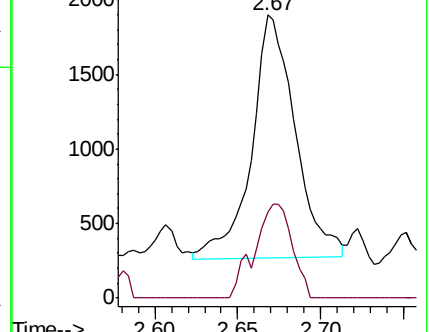
43 100

58 33.6 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035453.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU035453.D (-401) (-)



#17

Methyl tert-butyl Ether

Concen: 0.337 ug/L

RT: 3.43 min Scan# 650

Delta R.T. 0.00 min

Lab File: VU035456.D

Acq: 24 Oct 2019 13:42

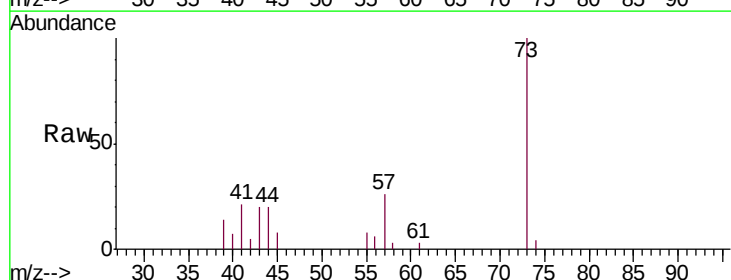
Tgt Ion: 73 Resp: 11765

Ion Ratio Lower Upper

73 100

43 22.6 16.0 24.0

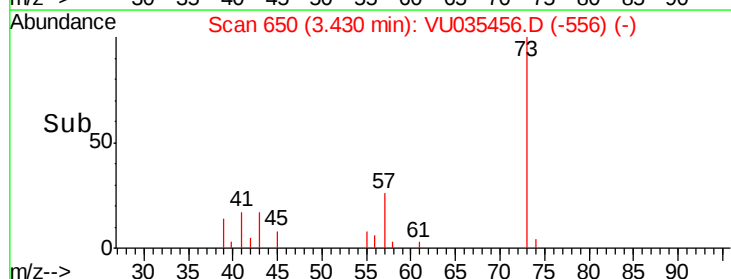
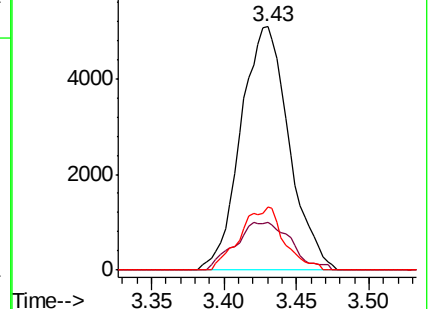
57 23.3 17.4 26.2

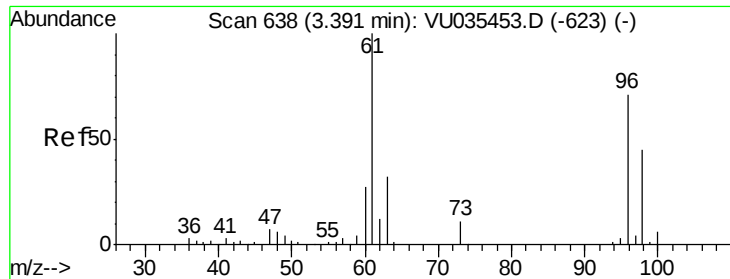


Abundance Ion 73.10 (72.80 to 73.80): VU035453.D (-630) (-)

Ion 43.05 (42.75 to 43.75): VU035453.D (-630) (-)

Ion 57.10 (56.80 to 57.80): VU035453.D (-630) (-)

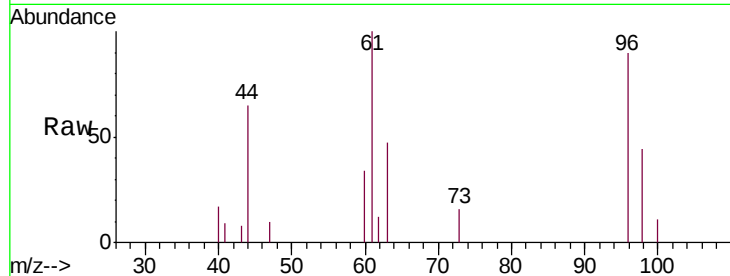




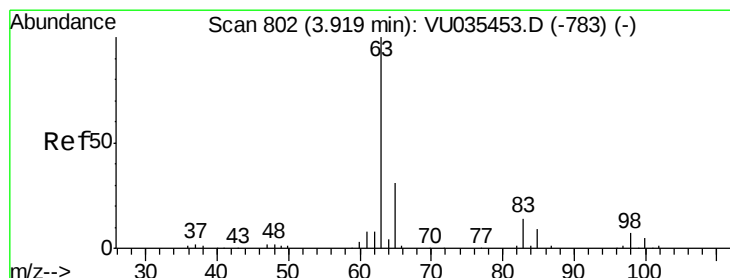
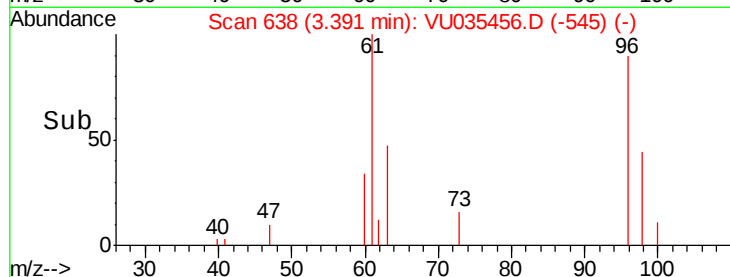
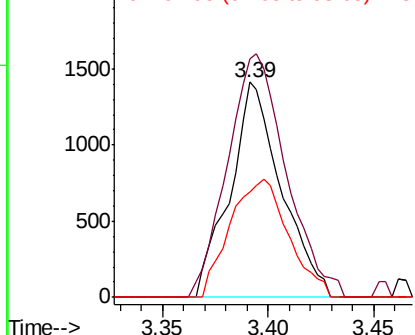
#18
trans-1,2-Dichloroethene
Concen: 0.171 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035456.D
Acq: 24 Oct 2019 13:42

Instrument :
MSVOA_U
ClientSampleId :
H0G09

Tgt Ion: 96 Resp: 2391
Ion Ratio Lower Upper
96 100
61 111.0 93.0 172.6
98 49.3 43.7 81.1

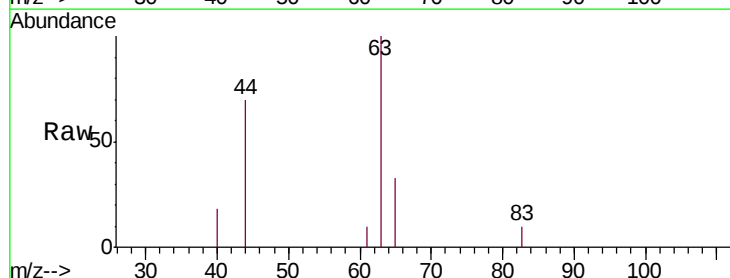


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

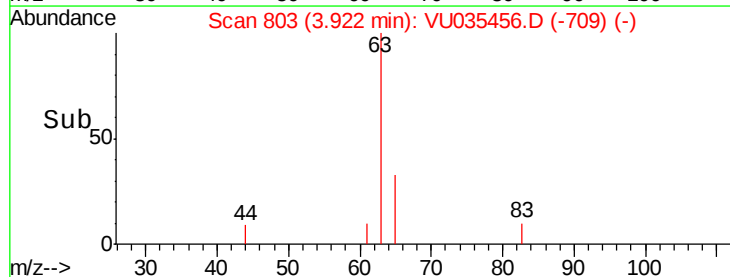
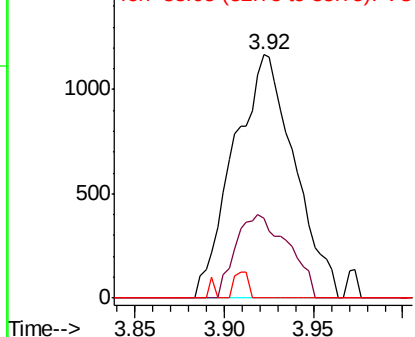


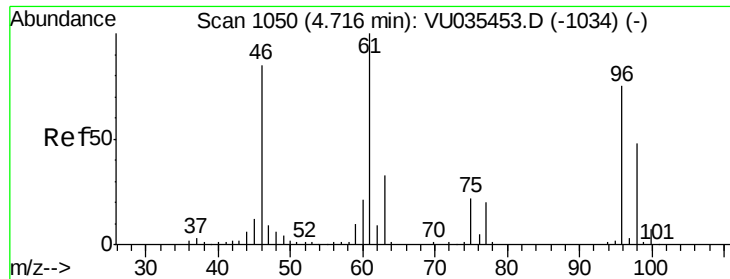
#19
1,1-Dichloroethane
Concen: 0.109 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.00 min
Lab File: VU035456.D
Acq: 24 Oct 2019 13:42

Tgt Ion: 63 Resp: 2774
Ion Ratio Lower Upper
63 100
65 32.9 22.4 41.6
83 0.0 9.3 17.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 3.972 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035456.D

Acq: 24 Oct 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

H0G09

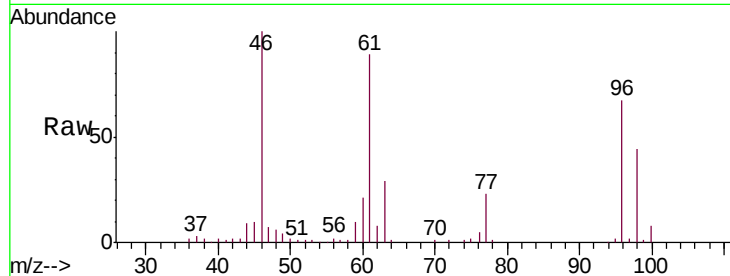
Tgt Ion: 96 Resp: 61508

Ion Ratio Lower Upper

96 100

61 132.1 89.7 166.5

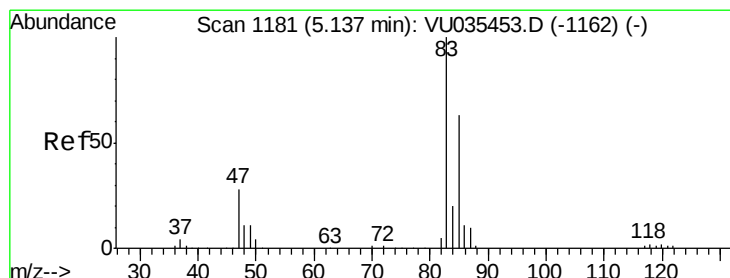
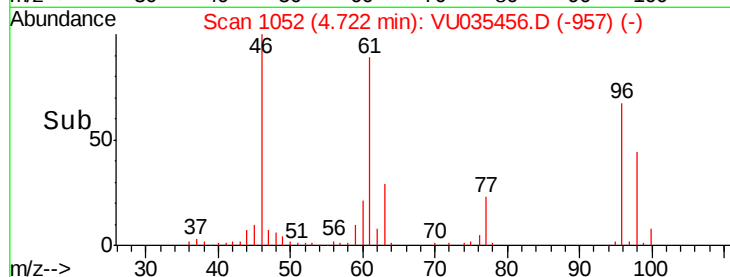
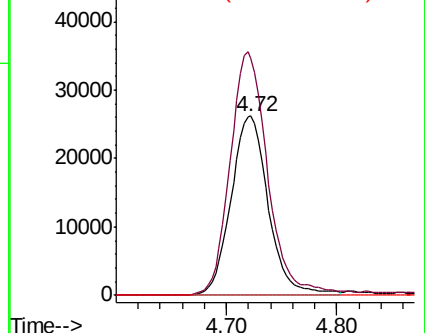
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035456.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035456.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035456.D (-957) (-)



#25

Chloroform

Concen: 0.366 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035456.D

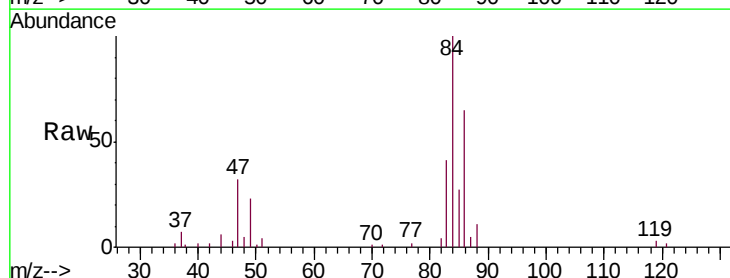
Acq: 24 Oct 2019 13:42

Tgt Ion: 83 Resp: 10185

Ion Ratio Lower Upper

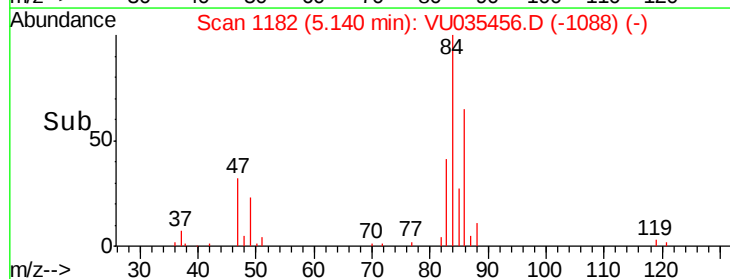
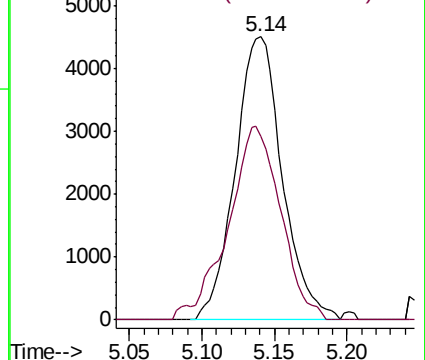
83 100

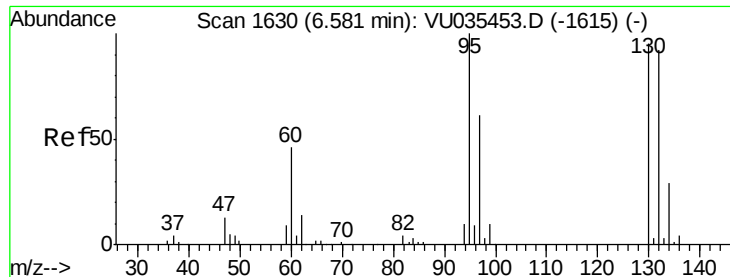
85 64.6 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU035456.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU035456.D (-1088) (-)





#34

Trichloroethene

Concen: 2.986 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035456.D

Acq: 24 Oct 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

H0G09

Tgt Ion: 95 Resp: 50408

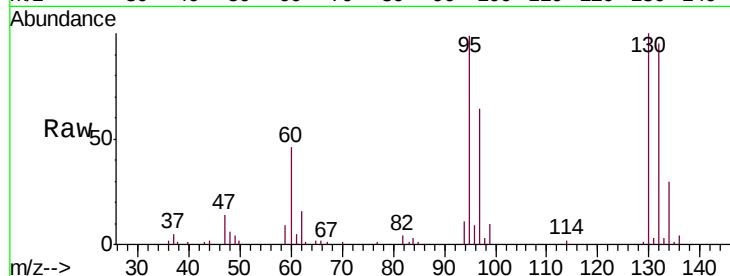
Ion Ratio Lower Upper

95 100

97 64.2 46.6 86.6

132 96.0 68.7 127.7

130 100.6 73.9 137.3

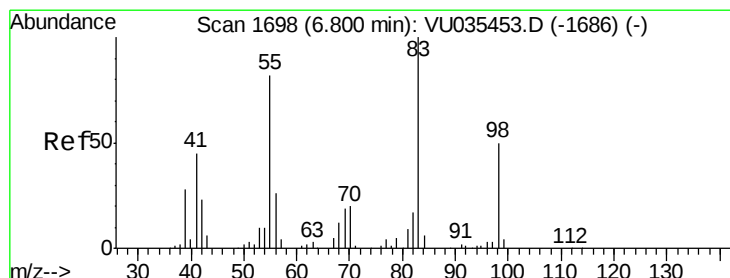
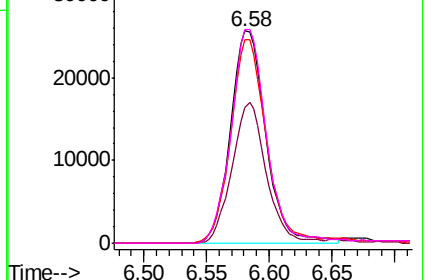
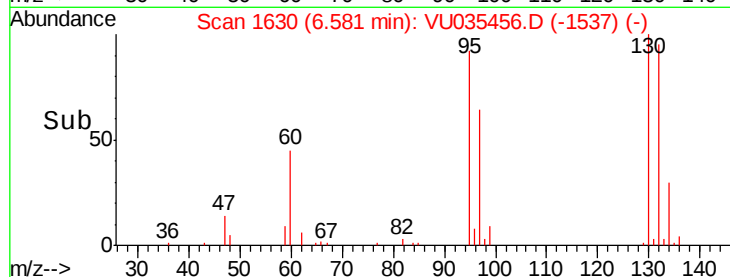


Abundance Ion 95.00 (94.70 to 95.70): VU035456.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035456.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU035456.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035456.D (-1615) (-)



#35

Methylcyclohexane

Concen: 0.608 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035456.D

Acq: 24 Oct 2019 13:42

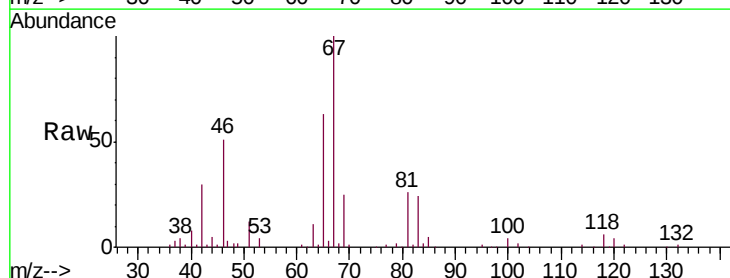
Tgt Ion: 83 Resp: 17154

Ion Ratio Lower Upper

83 100

55 0.0 60.4 90.6#

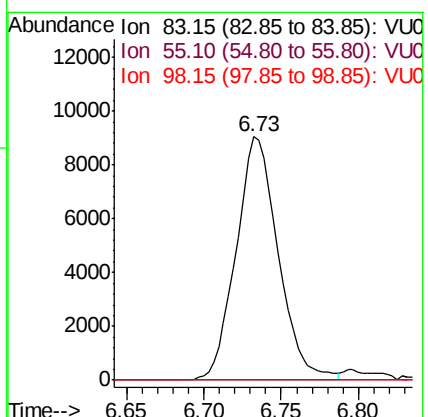
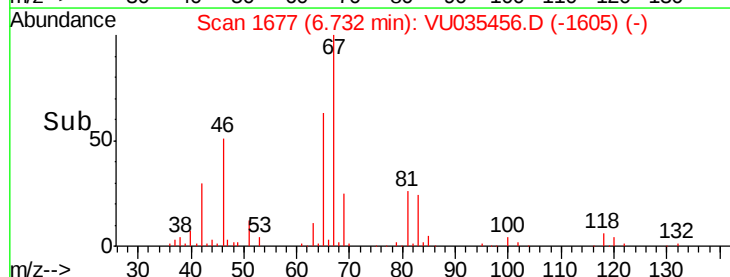
98 0.1 39.5 59.3#

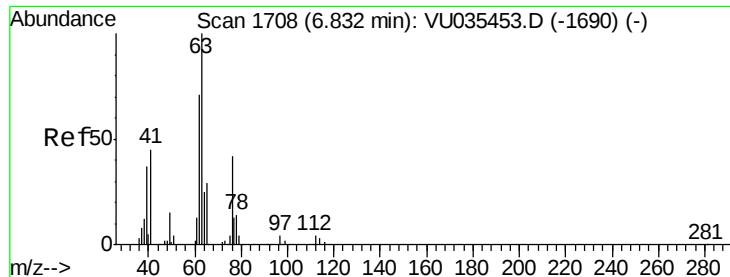


Abundance Ion 83.15 (82.85 to 83.85): VU035456.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035456.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035456.D (-1605) (-)





#37

1,2-Dichloropropane

Concen: 0.525 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035456.D

Acq: 24 Oct 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

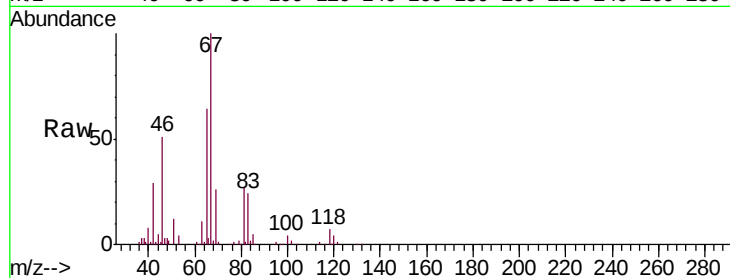
H0G09

Tgt Ion: 63 Resp: 8374

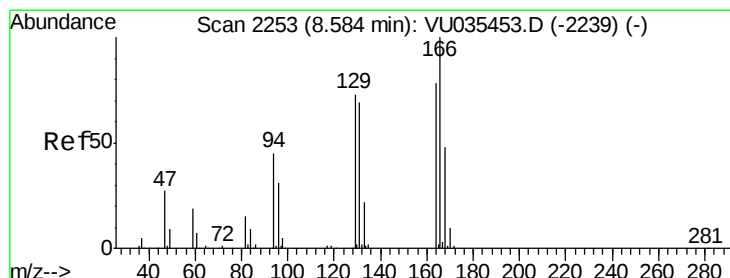
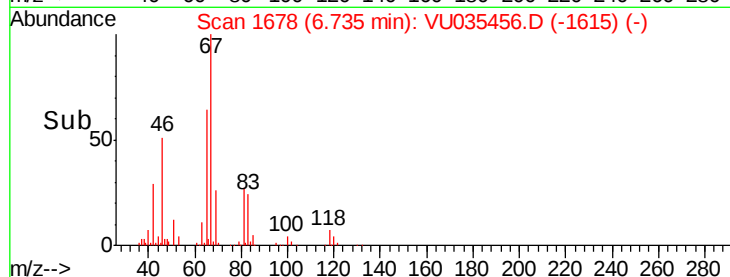
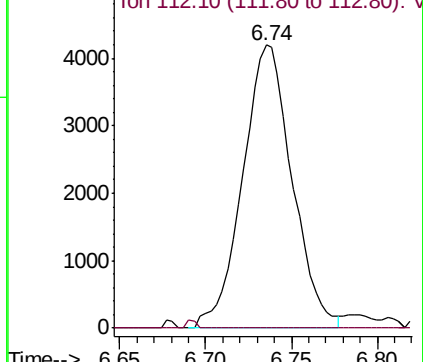
Ion Ratio Lower Upper

63 100

112 0.5 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU035453.D (-1690) (-)



#47

Tetrachloroethene

Concen: 2.958 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035456.D

Acq: 24 Oct 2019 13:42

Tgt Ion: 164 Resp: 41596

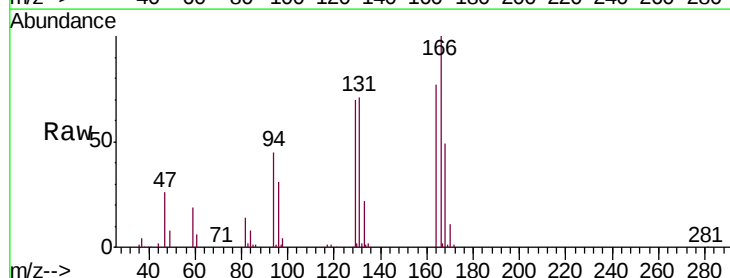
Ion Ratio Lower Upper

164 100

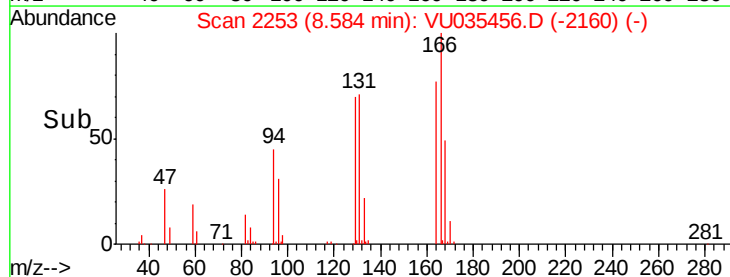
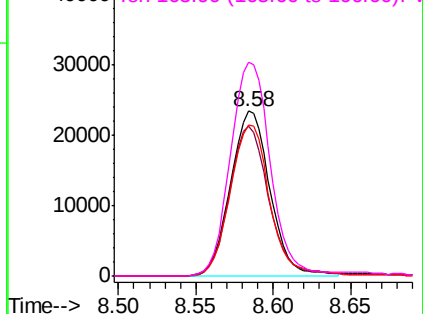
129 91.0 65.2 121.0

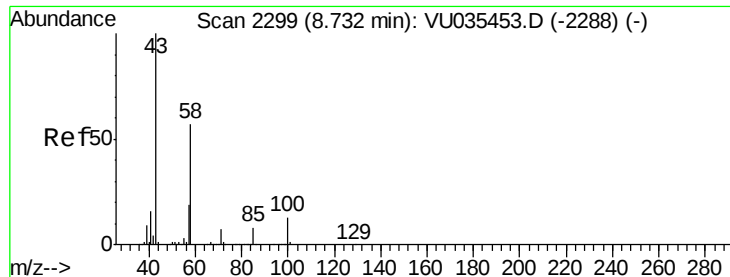
131 91.7 62.9 116.9

166 129.5 91.5 169.9



Abundance Ion 163.90 (163.60 to 164.60): VU035453.D (-2239) (-)

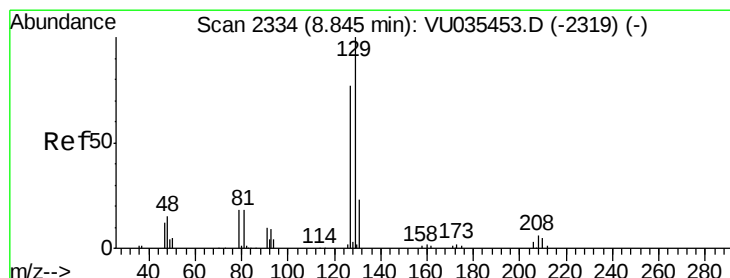
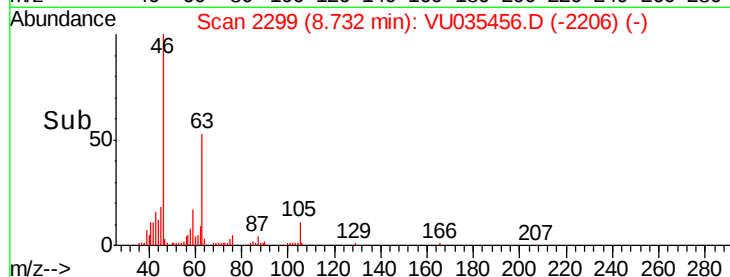
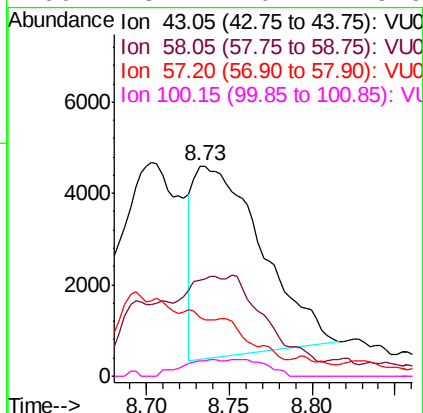
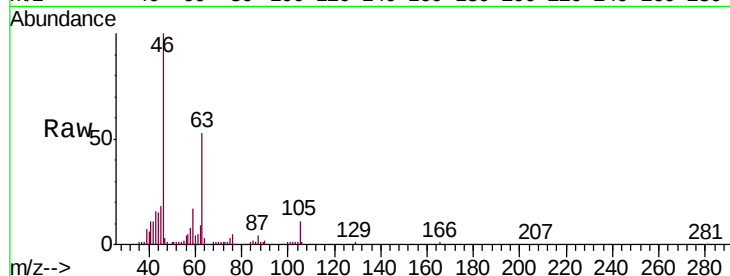




#48
2-Hexanone
Concen: 1.578 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035456.D
Acq: 24 Oct 2019 13:42

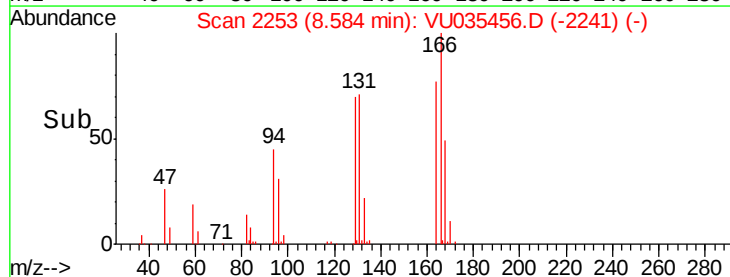
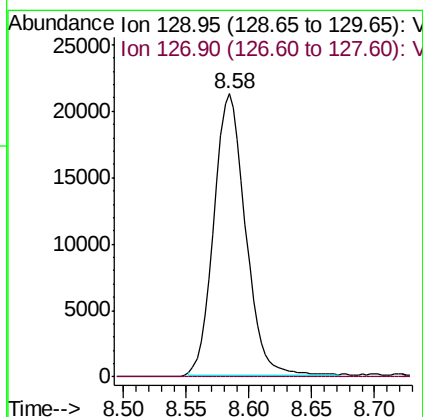
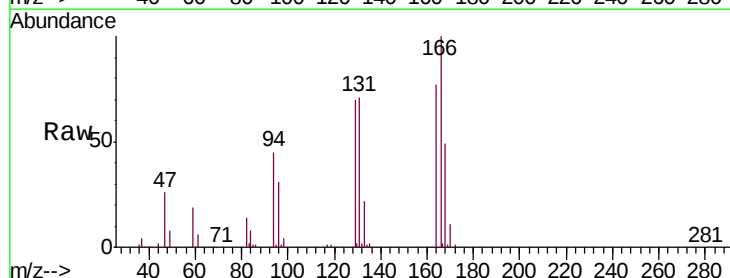
Instrument :
MSVOA_U
ClientSampleId :
H0G09

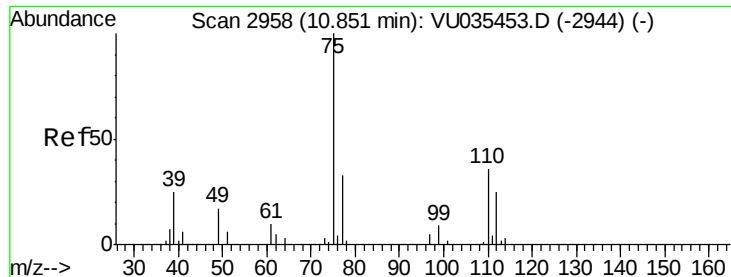
Tgt Ion: 43 Resp: 11908
Ion Ratio Lower Upper
43 100
58 6.3 45.1 67.7#
57 0.0 16.0 24.0#
100 5.1 10.4 15.6#



#49
Dibromochloromethane
Concen: 2.442 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035456.D
Acq: 24 Oct 2019 13:42

Tgt Ion: 129 Resp: 36634
Ion Ratio Lower Upper
129 100
127 0.0 53.8 99.8#





#59

1,2,3-Trichloropropane

Concen: 0.704 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 1.00 min

Lab File: VU035456.D

Acq: 24 Oct 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

H0G09

Tgt Ion: 75 Resp: 7814

Ion Ratio Lower Upper

75 100

77 36.5 26.2 39.2

