

Data File : VU035461.D
Acq On : 24 Oct 2019 15:43
Operator : JC/SP
Sample : K5509-03MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G07MSD

Quant Time: Oct 25 07:08:04 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	209046	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	212538	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	61308	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	46089	3.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.40%
7) Chloroethane-d5	1.93	69	50326	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.60	63	98572	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	4.70	46	213562	58.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.60%
24) Chloroform-d	5.11	84	112270	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.75	65	66978	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.77	84	200809	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
36) 1,2-Dichloropropane-d6	6.74	67	76992	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.93	98	152110	3.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.40%#
43) trans-1,3-Dichloropropene-	8.21	79	27482	3.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.40%
46) 2-Hexanone-d5	8.68	63	144478	43.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.48%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	70101	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	48123	4.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

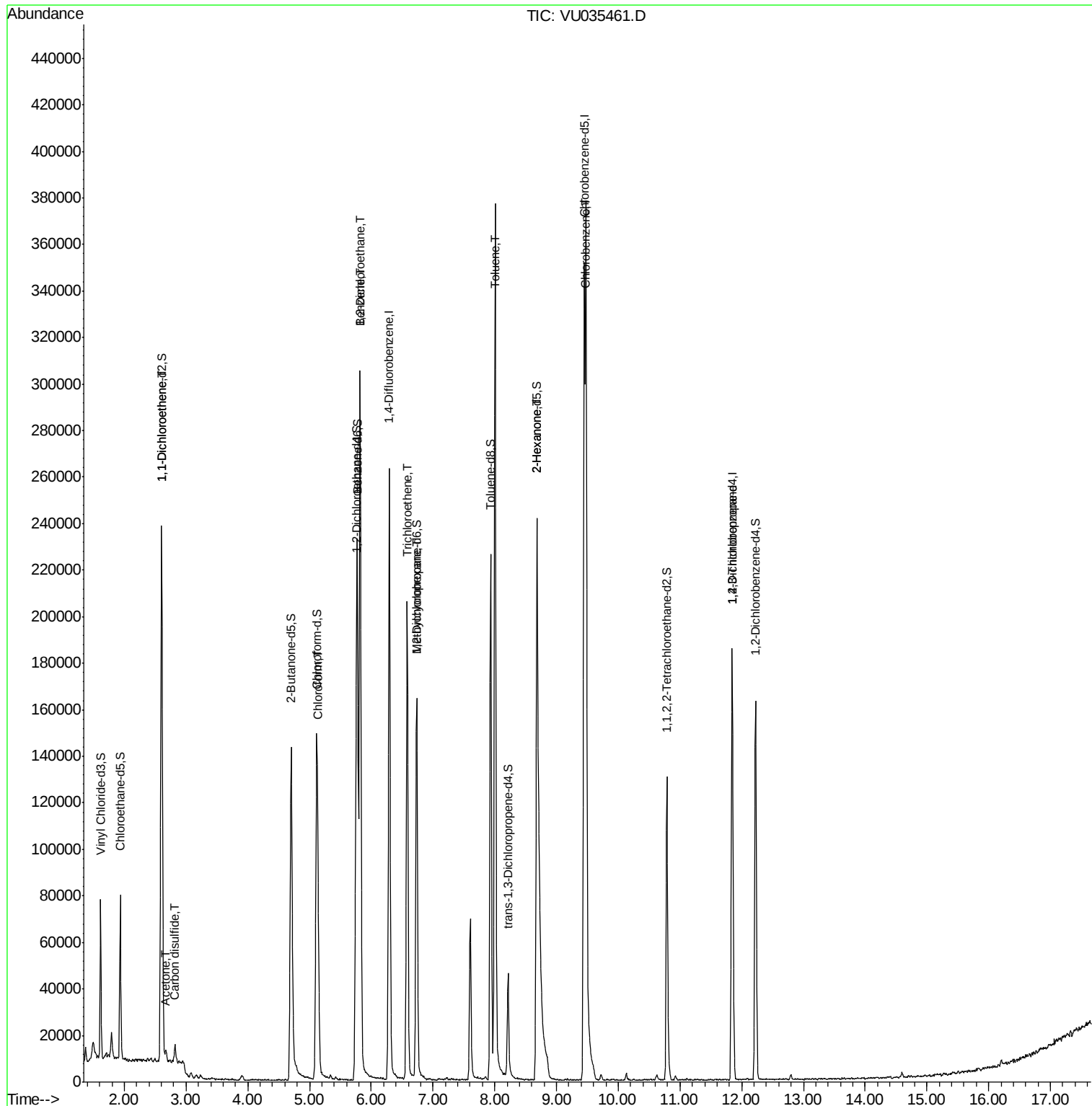
					Qvalue
12) 1,1-Dichloroethene	2.61	96	54928	4.090 ug/L	86
13) Acetone	2.67	43	3260	1.279 ug/L	89
14) Carbon disulfide	2.82	76	9132	0.215 ug/L #	88
25) Chloroform	5.14	83	5588	0.194 ug/L	93
27) 1,2-Dichloroethane	5.81	62	2678	0.152 ug/L #	74
33) Benzene	5.82	78	285054	4.558 ug/L	100
34) Trichloroethene	6.58	95	70569	4.197 ug/L	97
35) Methylcyclohexane	6.74	83	16785	0.597 ug/L #	19
42) Toluene	8.01	91	284568	4.122 ug/L	100
48) 2-Hexanone	8.68	43	14949	1.989 ug/L #	66
51) Chlorobenzene	9.48	112	202195	4.537 ug/L	98
59) 1,2,3-Trichloropropane	11.84	75	7662	0.693 ug/L #	42

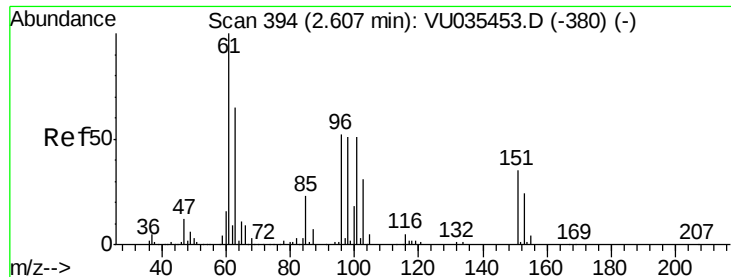
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.090 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035461.D

Acq: 24 Oct 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

H0G07MSD

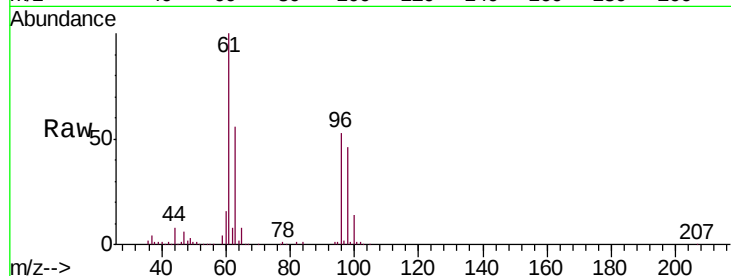
Tgt Ion: 96 Resp: 54928

Ion Ratio Lower Upper

96 100

61 189.7 120.6 224.0

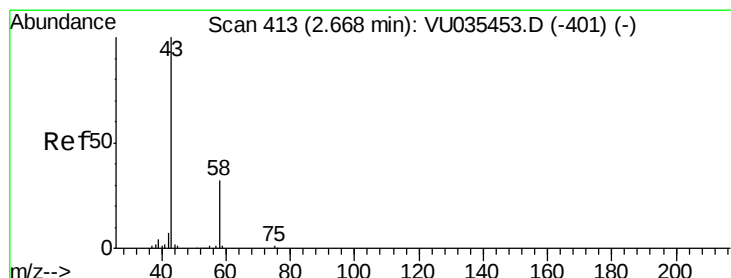
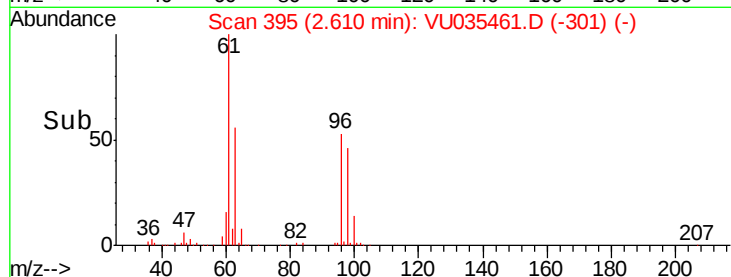
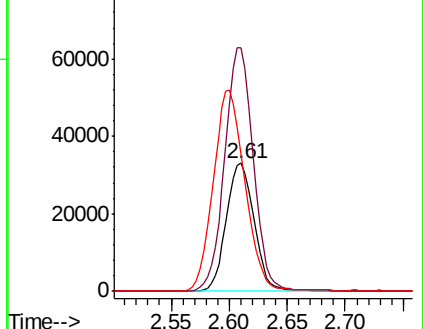
63 107.0 86.8 161.2



Abundance Ion 96.00 (95.70 to 96.70): VU035453.D (-380) (-)

Ion 61.05 (60.75 to 61.75): VU035453.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU035453.D (-380) (-)



#13

Acetone

Concen: 1.279 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU035461.D

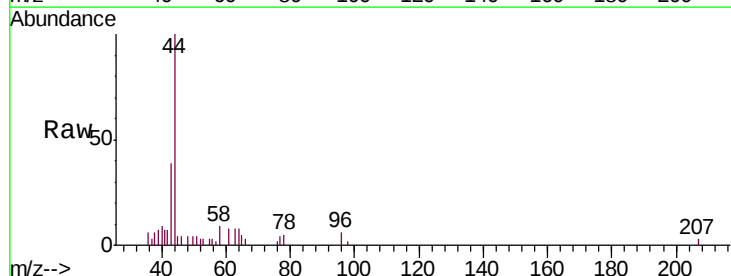
Acq: 24 Oct 2019 15:43

Tgt Ion: 43 Resp: 3260

Ion Ratio Lower Upper

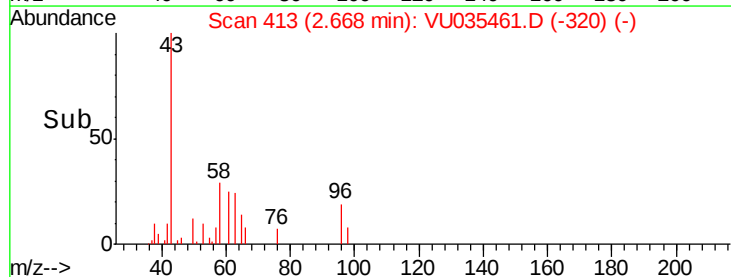
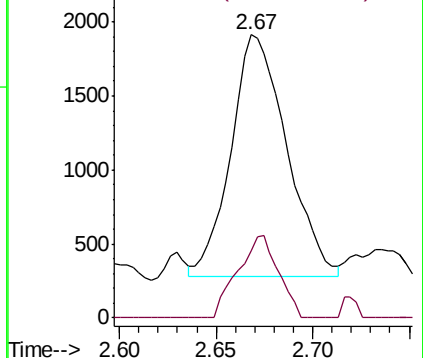
43 100

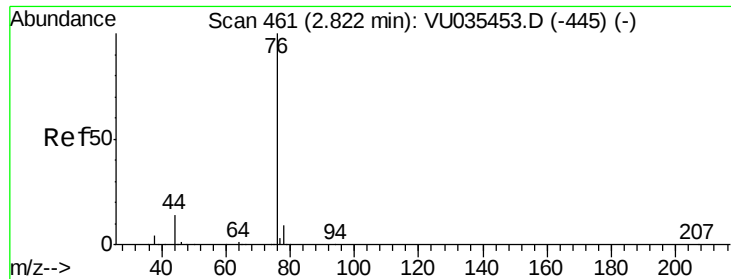
58 25.0 0.0 61.8



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

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





#14

Carbon disulfide

Concen: 0.215 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035461.D

Acq: 24 Oct 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

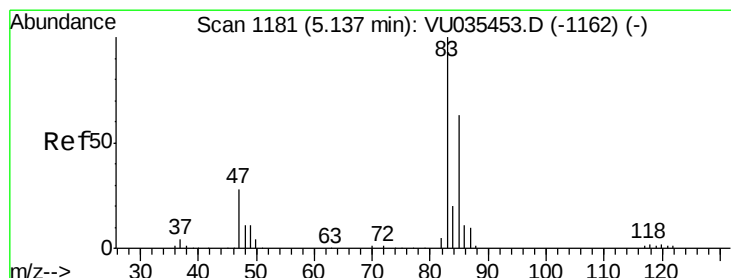
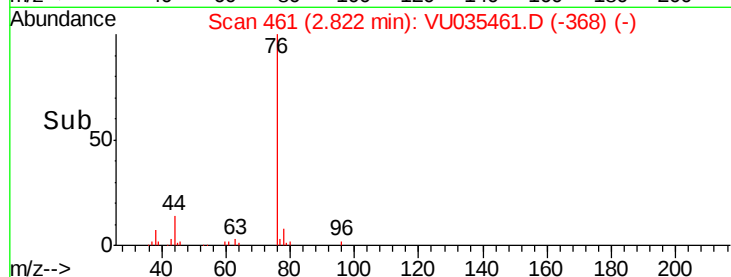
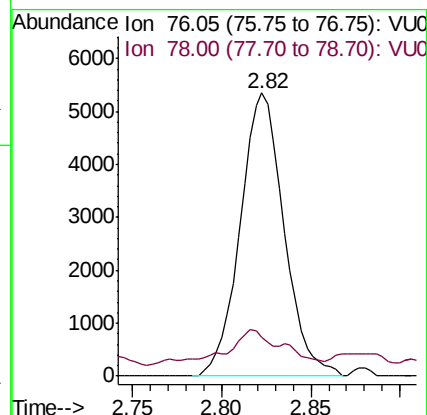
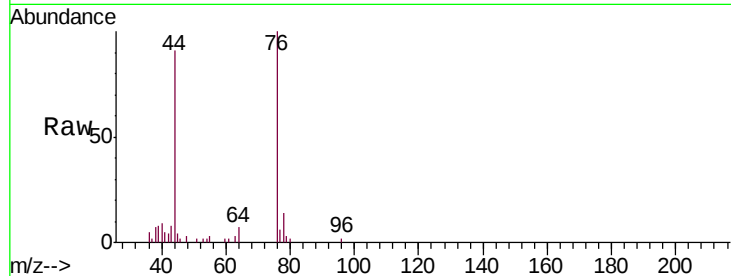
H0G07MSD

Tgt Ion: 76 Resp: 9132

Ion Ratio Lower Upper

76 100

78 13.8 7.6 11.4#



#25

Chloroform

Concen: 0.194 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU035461.D

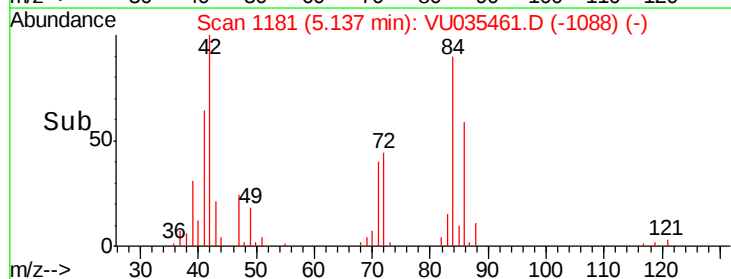
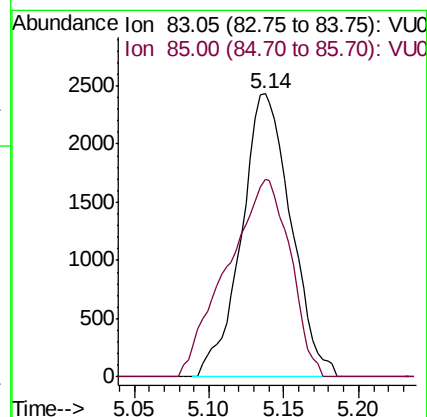
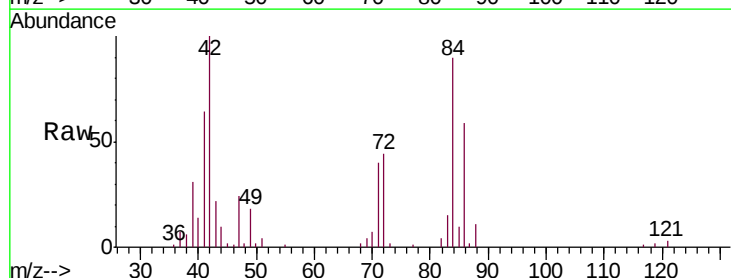
Acq: 24 Oct 2019 15:43

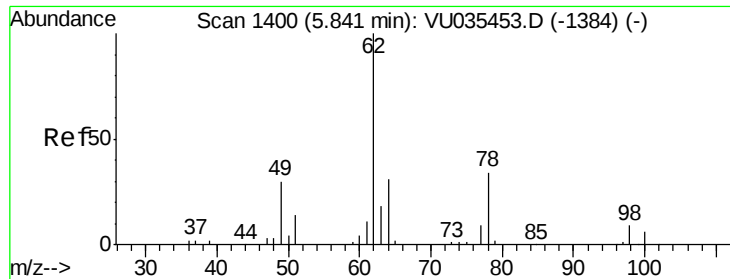
Tgt Ion: 83 Resp: 5588

Ion Ratio Lower Upper

83 100

85 70.0 45.1 83.9

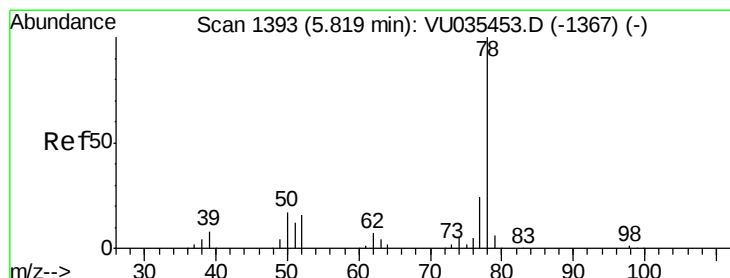
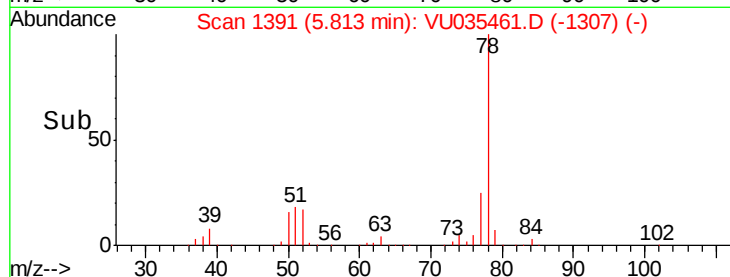
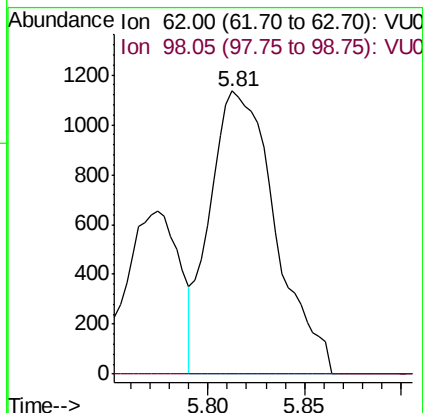
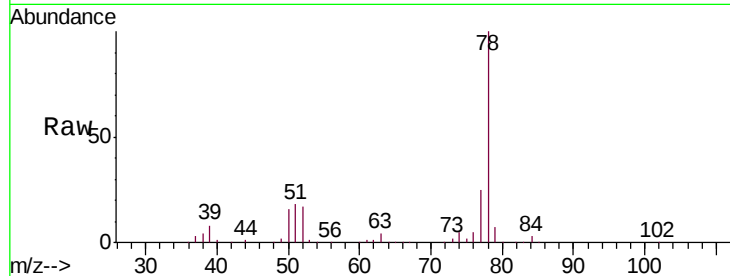




#27
 1,2-Dichloroethane
 Concen: 0.152 ug/L
 RT: 5.81 min Scan# 1391
 Delta R.T. -0.03 min
 Lab File: VU035461.D
 Acq: 24 Oct 2019 15:43

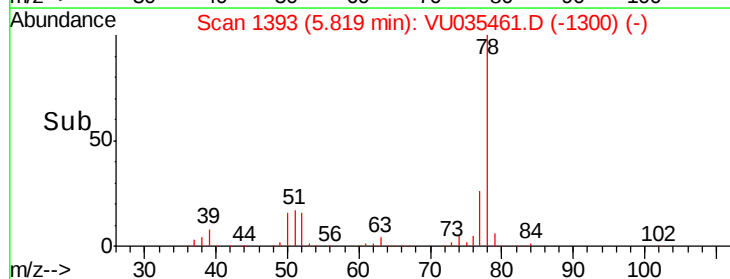
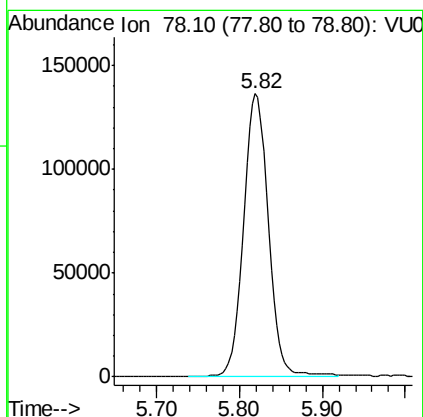
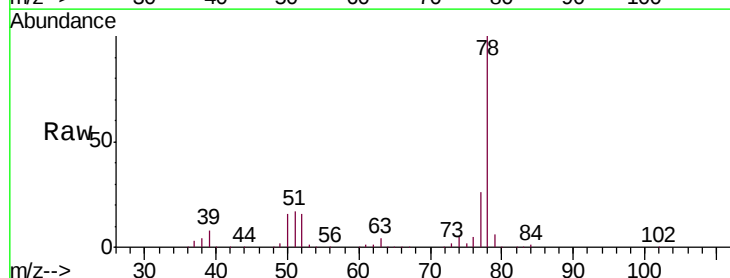
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G07MSD

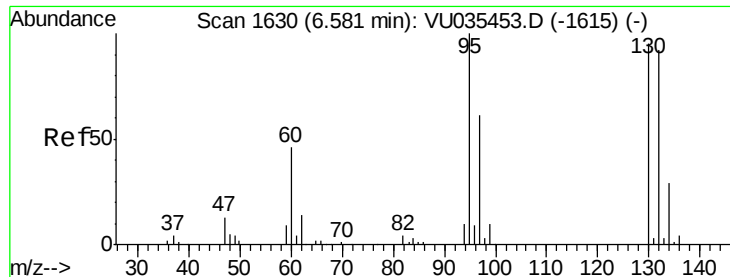
Tgt Ion: 62 Resp: 2678
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.6#



#33
 Benzene
 Concen: 4.558 ug/L
 RT: 5.82 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VU035461.D
 Acq: 24 Oct 2019 15:43

Tgt Ion: 78 Resp: 285054





#34

Trichloroethene

Concen: 4.197 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035461.D

Acq: 24 Oct 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

H0G07MSD

Tgt Ion: 95 Resp: 70569

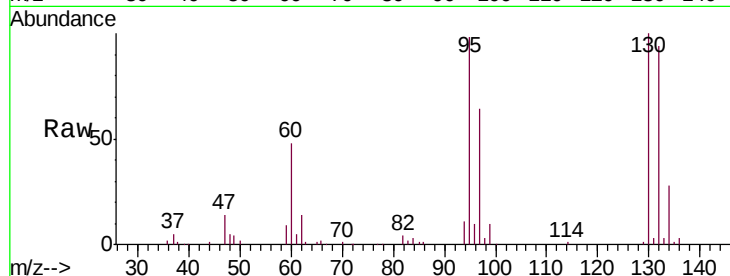
Ion Ratio Lower Upper

95 100

97 64.6 46.6 86.6

132 95.6 68.7 127.7

130 101.7 73.9 137.3

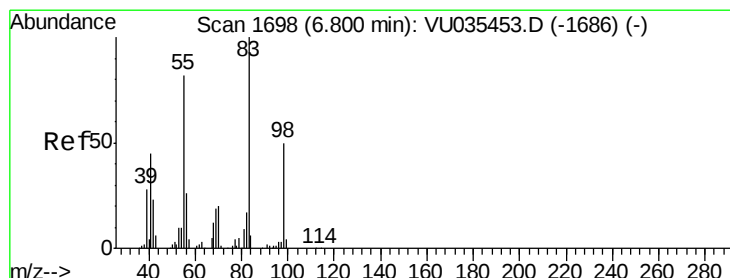
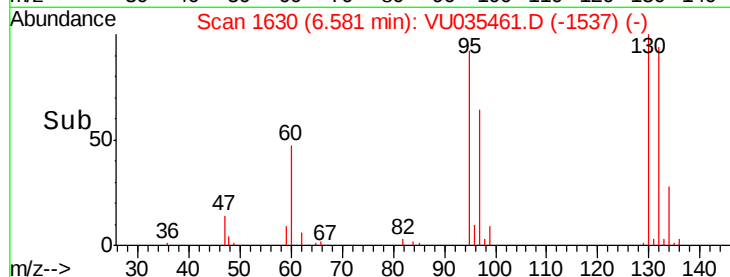
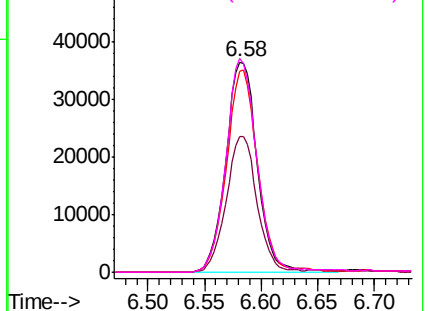


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.597 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035461.D

Acq: 24 Oct 2019 15:43

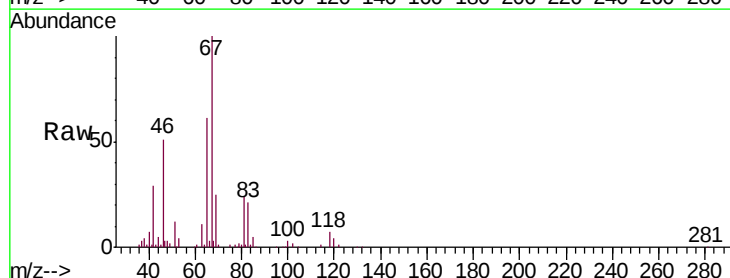
Tgt Ion: 83 Resp: 16785

Ion Ratio Lower Upper

83 100

55 0.7 60.4 90.6#

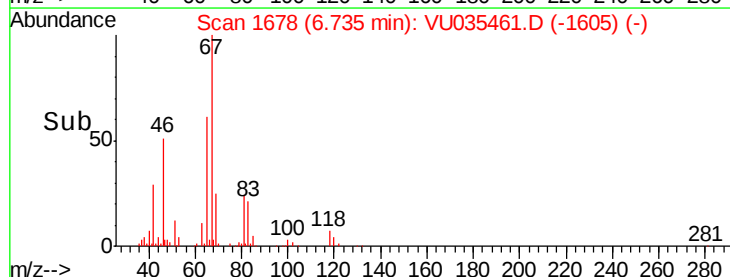
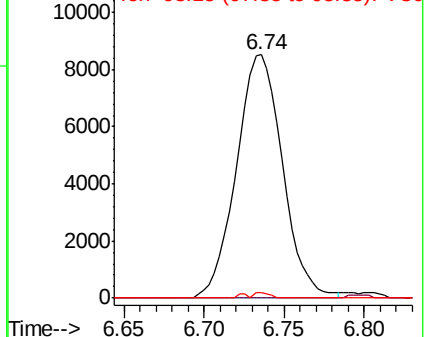
98 0.7 39.5 59.3#

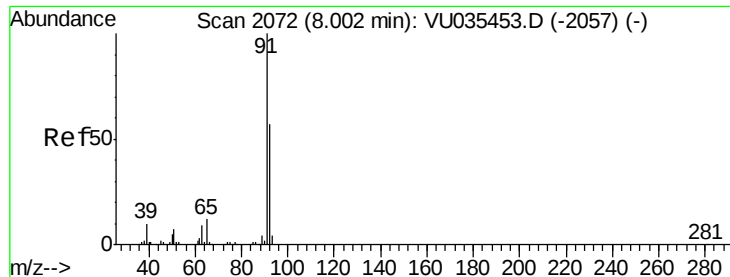


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 4.122 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035461.D

Acq: 24 Oct 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

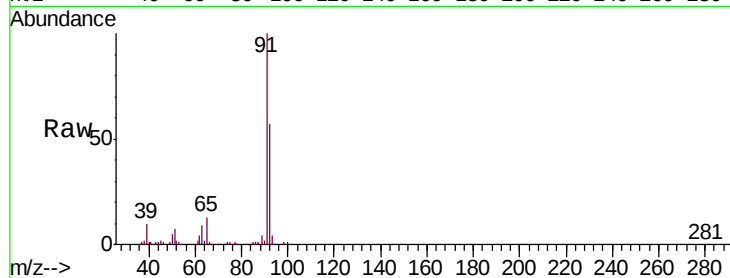
H0G07MSD

Tgt Ion: 91 Resp: 284568

Ion Ratio Lower Upper

91 100

92 57.1 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035453.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035453.D (-2057) (-)

8.01

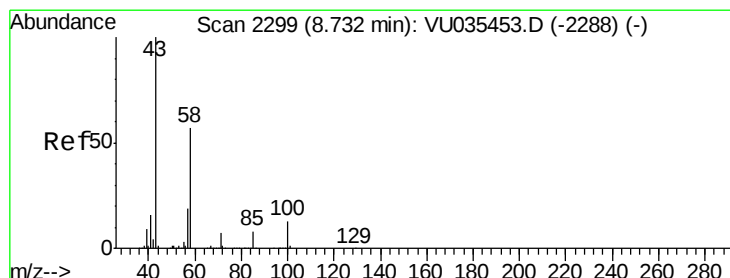
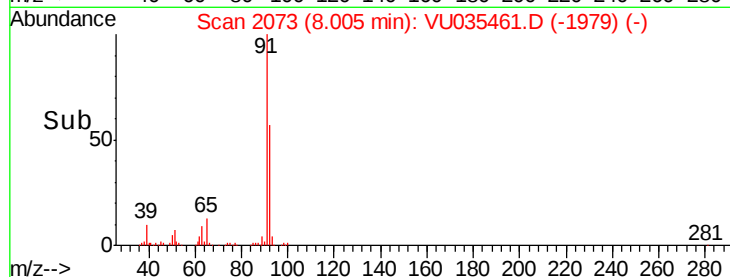
150000

100000

50000

0

Time-->



#48

2-Hexanone

Concen: 1.989 ug/L

RT: 8.68 min Scan# 2284

Delta R.T. -0.05 min

Lab File: VU035461.D

Acq: 24 Oct 2019 15:43

Tgt Ion: 43 Resp: 14949

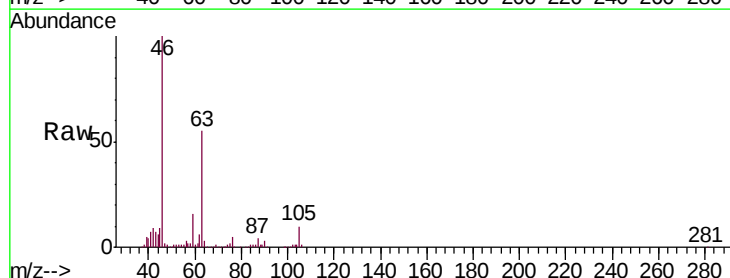
Ion Ratio Lower Upper

43 100

58 24.6 45.1 67.7#

57 24.5 16.0 24.0#

100 0.7 10.4 15.6#



Abundance Ion 43.05 (42.75 to 43.75): VU035453.D (-2288) (-)

Ion 58.05 (57.75 to 58.75): VU035453.D (-2288) (-)

Ion 57.20 (56.90 to 57.90): VU035453.D (-2288) (-)

Ion 100.15 (99.85 to 100.85): VU035453.D (-2288) (-)

8.68

10000

8000

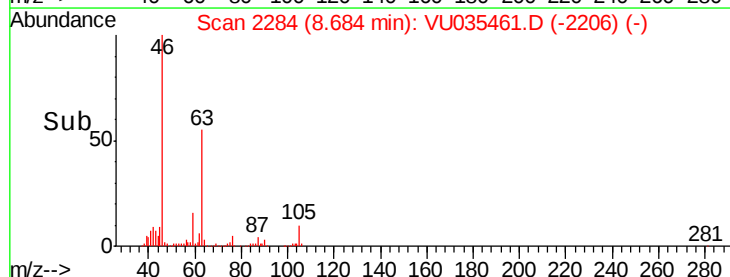
6000

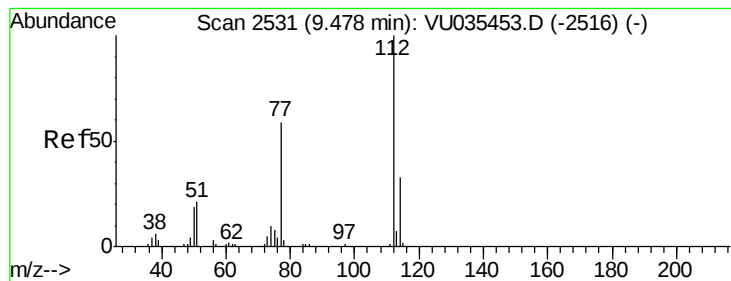
4000

2000

0

Time-->





#51

Chlorobenzene

Concen: 4.537 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU035461.D

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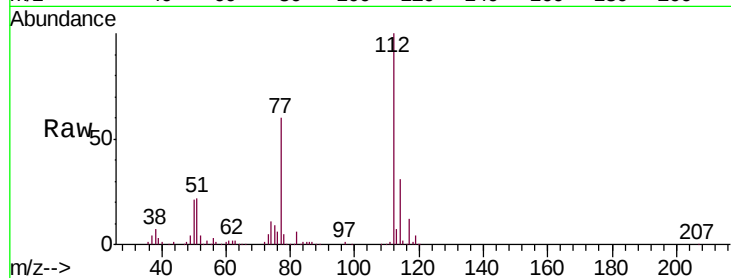
Tgt Ion: 112 Resp: 202195

Ion Ratio Lower Upper

112 100

114 30.7 23.0 42.8

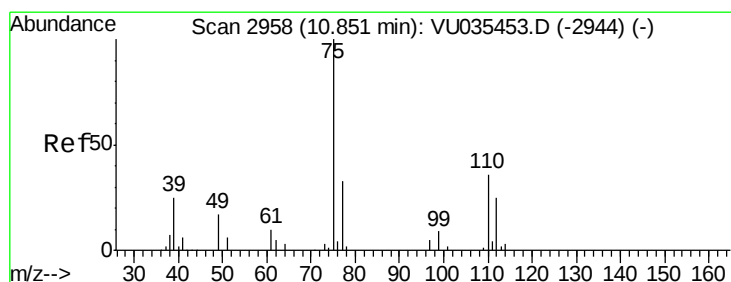
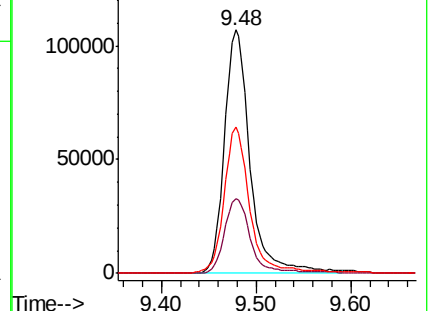
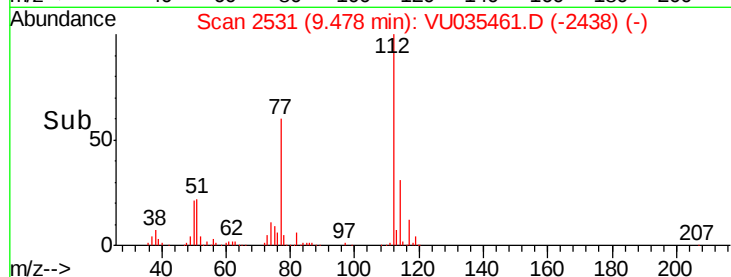
77 60.1 47.5 71.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 0.693 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035461.D

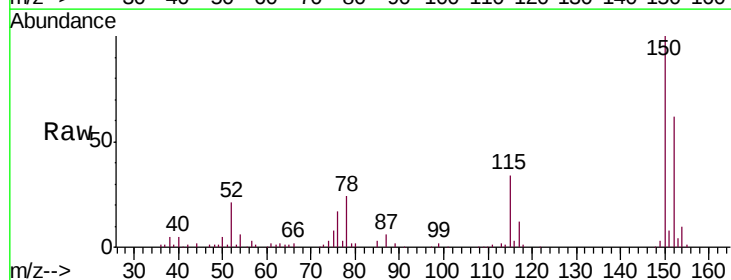
Acq: 24 Oct 2019 15:43

Tgt Ion: 75 Resp: 7662

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

