

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035387.D
 Acq On : 23 Oct 2019 01:00
 Operator : JC/SP
 Sample : K5461-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G64

Quant Time: Oct 23 08:50:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:02:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	255327	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	256582	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	83751	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	114852	7.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	147.60%#
7) Chloroethane-d5	1.93	69	99975	7.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	140.40%#
11) 1,1-Dichloroethene-d2	2.59	63	154709	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.40%
20) 2-Butanone-d5	4.71	46	229593	51.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.64%
24) Chloroform-d	5.11	84	165264	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.20%
26) 1,2-Dichloroethane-d4	5.75	65	96723	6.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.80%
32) Benzene-d6	5.77	84	362137	6.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.40%
36) 1,2-Dichloropropane-d6	6.74	67	117971	6.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	126.60%
41) Toluene-d8	7.93	98	309455	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
43) trans-1,3-Dichloropropene-	8.21	79	39304	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.69	63	179685	45.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.12%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	92737	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.60%
64) 1,2-Dichlorobenzene-d4	12.23	152	91475	6.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.00%

Target Compounds

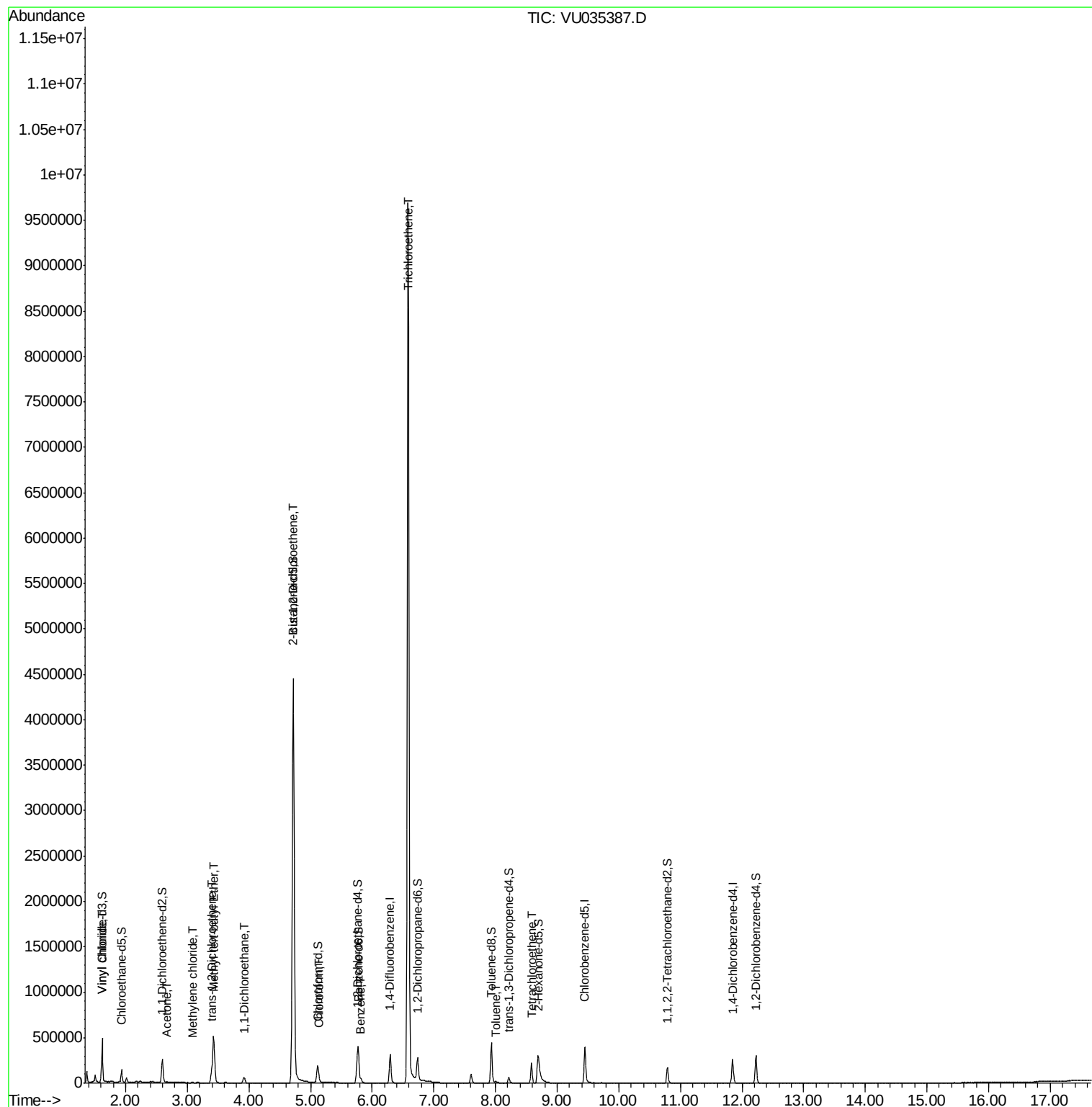
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	200991	9.079	ug/L	98
13) Acetone	2.67	43	3471	1.115	ug/L	91
16) Methylene chloride	3.08	84	2230	0.113	ug/L	95
17) Methyl tert-butyl Ether	3.43	73	555246	12.577	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	41955	2.370	ug/L	96
19) 1,1-Dichloroethane	3.92	63	68346	2.135	ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	2287566	116.913	ug/L	97
25) Chloroform	5.14	83	19499	0.555	ug/L	98
33) Benzene	5.82	78	33233	0.440	ug/L	100
34) Trichloroethene	6.58	95	3325795	163.860	ug/L	96
42) Toluene	8.01	91	9231	0.111	ug/L	88
47) Tetrachloroethene	8.58	164	52729	3.118	ug/L	95

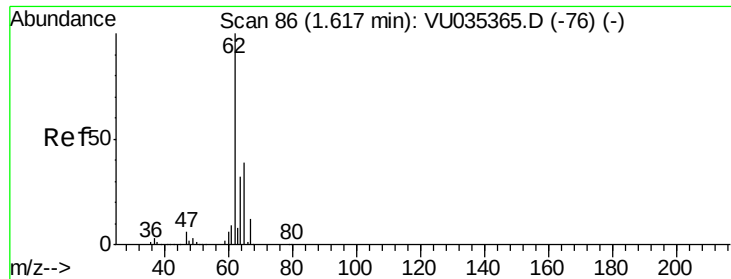
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 9.079 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035387.D

Acq: 23 Oct 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

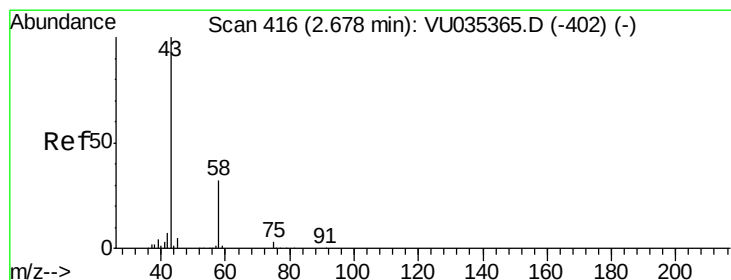
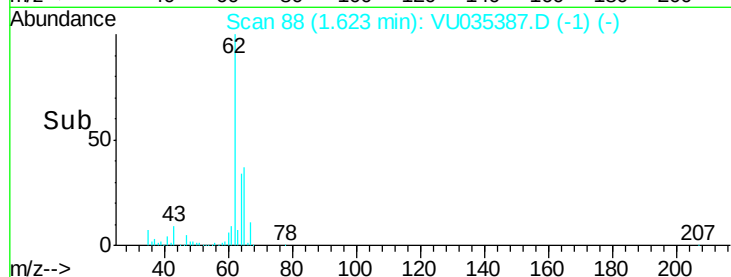
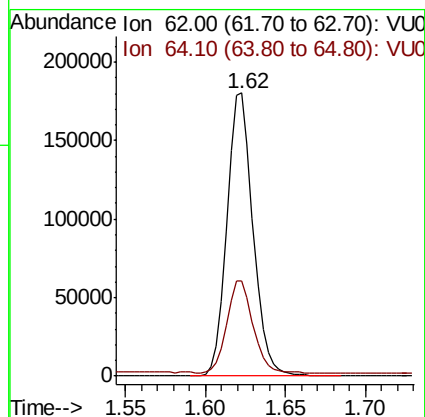
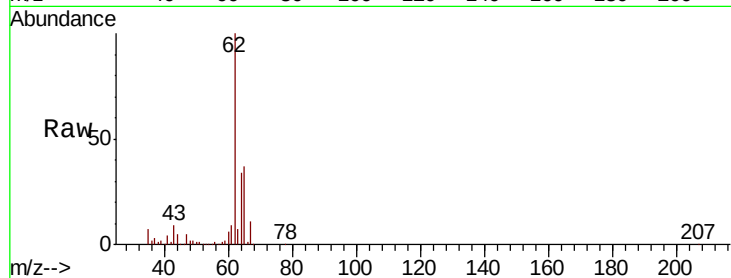
H0G64

Tot Ion: 62 Resp: 200991

Ion Ratio Lower Upper

62 100

64 33.7 22.9 42.5



#13

Acetone

Concen: 1.115 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035387.D

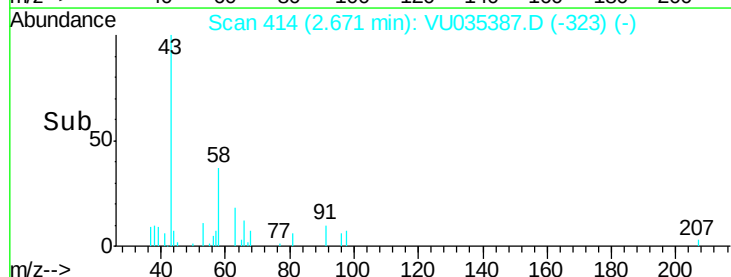
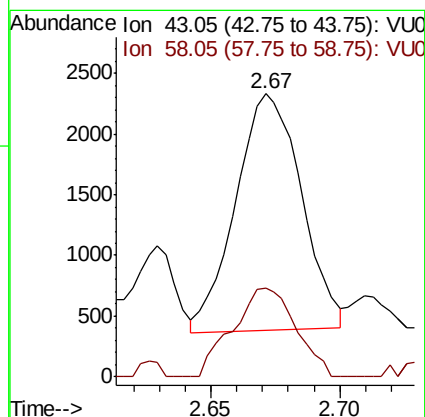
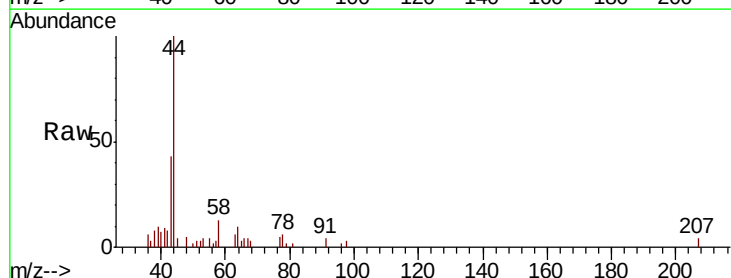
Acq: 23 Oct 2019 01:00

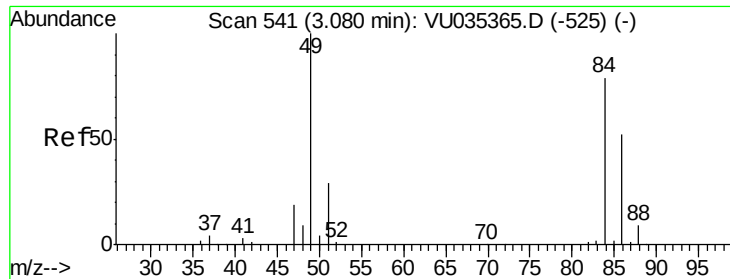
Tgt Ion: 43 Resp: 3471

Ion Ratio Lower Upper

43 100

58 35.9 0.0 61.8

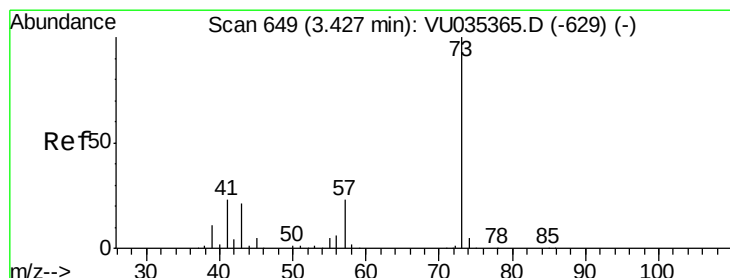
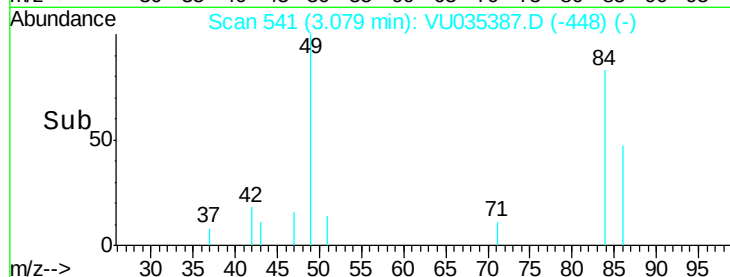
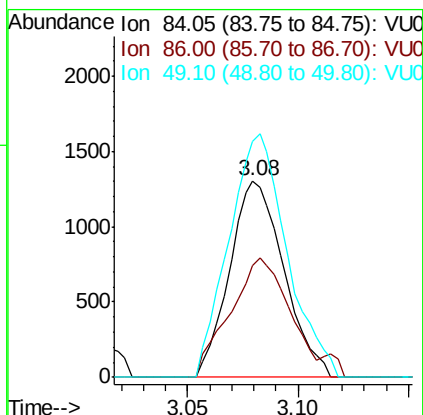
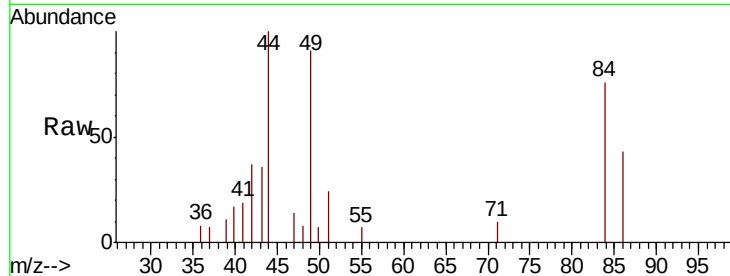




#16
Methylene chloride
Concen: 0.113 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU035387.D
Acq: 23 Oct 2019 01:00

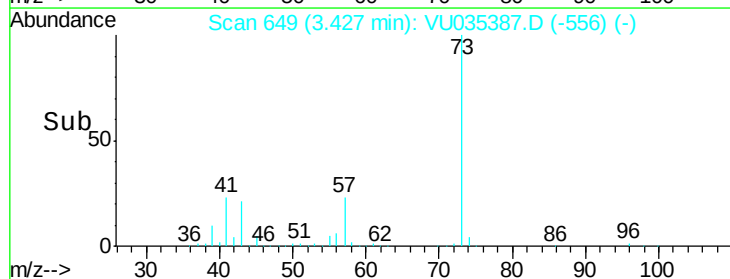
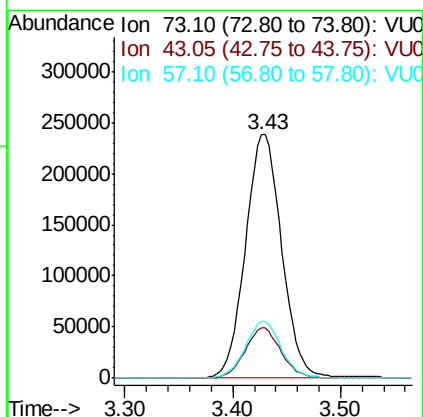
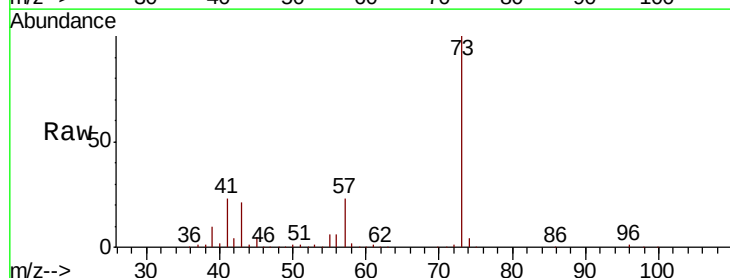
Instrument :
MSVOA_U
ClientSampleId :
H0G64

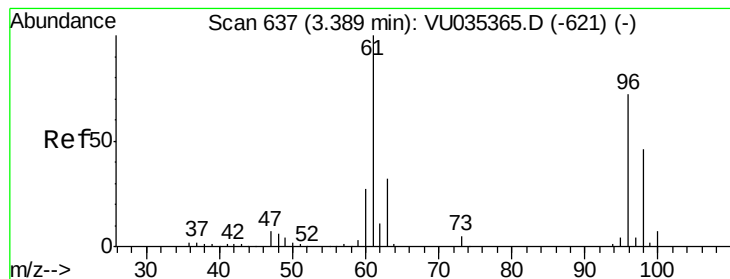
Tot Ion: 84 Resp: 2230
Ion Ratio Lower Upper
84 100
86 56.9 45.4 84.2
49 120.5 86.8 161.2



#17
Methyl tert-butyl Ether
Concen: 12.577 ug/L
RT: 3.43 min Scan# 649
Delta R.T. -0.00 min
Lab File: VU035387.D
Acq: 23 Oct 2019 01:00

Tgt Ion: 73 Resp: 555246
Ion Ratio Lower Upper
73 100
43 20.6 16.0 24.0
57 23.3 17.4 26.2





#18

trans-1,2-Dichloroethene

Concen: 2.370 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035387.D

Acq: 23 Oct 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

H0G64

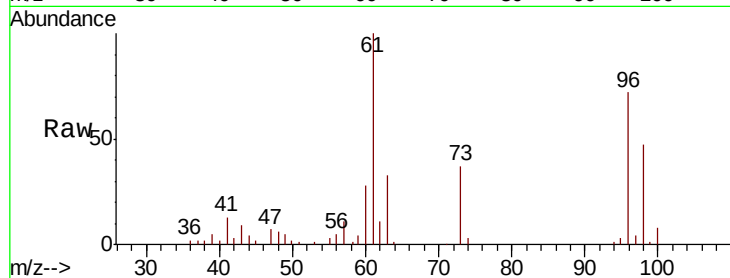
Tot Ion: 96 Resp: 41955

Ion Ratio Lower Upper

96 100

61 138.2 93.0 172.6

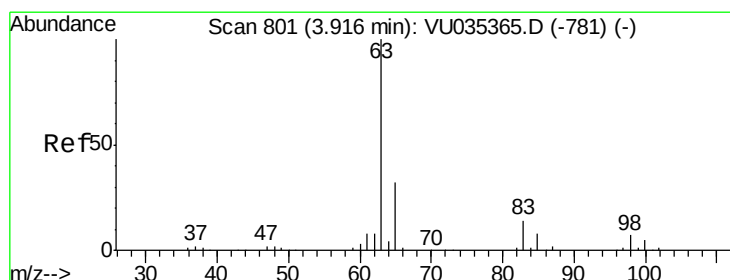
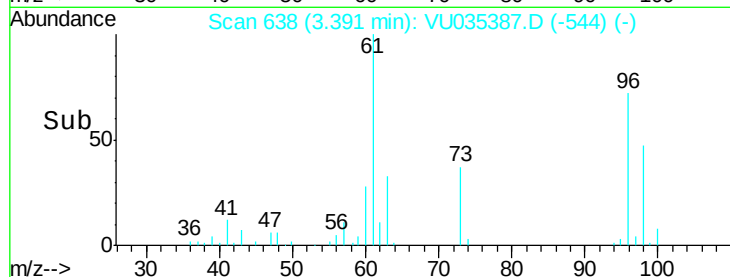
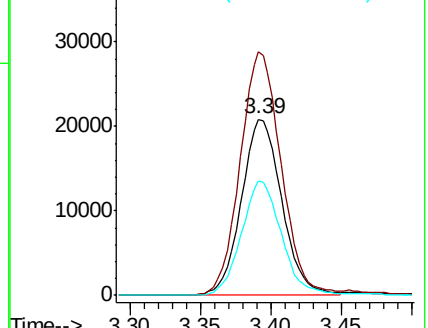
98 64.6 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035387.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU035387.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU035387.D (-544) (-)



#19

1,1-Dichloroethane

Concen: 2.135 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035387.D

Acq: 23 Oct 2019 01:00

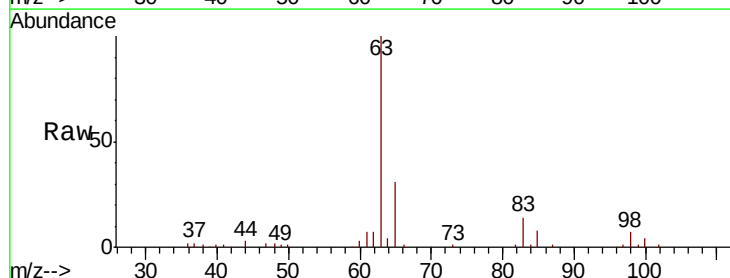
Tgt Ion: 63 Resp: 68346

Ion Ratio Lower Upper

63 100

65 31.2 22.4 41.6

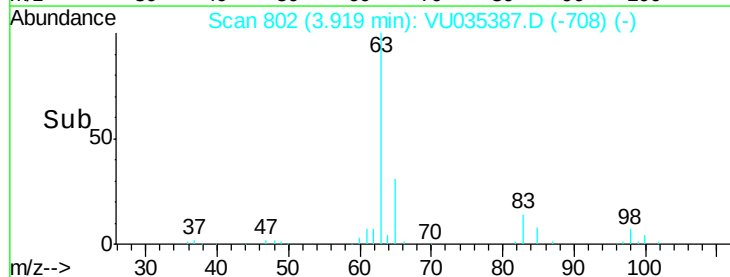
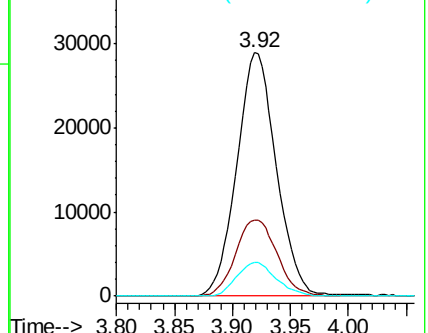
83 13.8 9.3 17.3

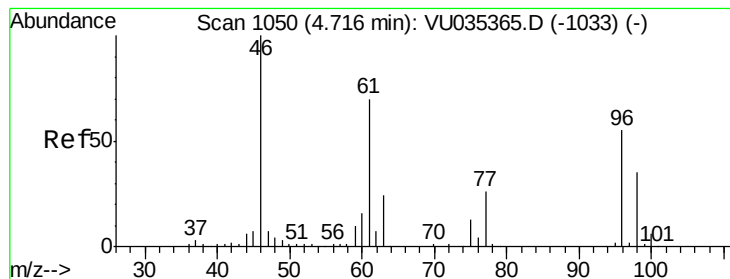


Abundance Ion 63.10 (62.80 to 63.80): VU035387.D (-708) (-)

Ion 65.10 (64.80 to 65.80): VU035387.D (-708) (-)

Ion 83.05 (82.75 to 83.75): VU035387.D (-708) (-)





#22

cis-1,2-Dichloroethene

Concen: 116.913 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035387.D

Acq: 23 Oct 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
H0G64

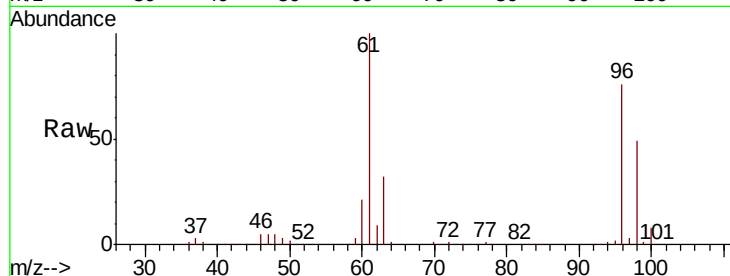
Tot Ion: 96 Resp: 2287566

Ion Ratio Lower Upper

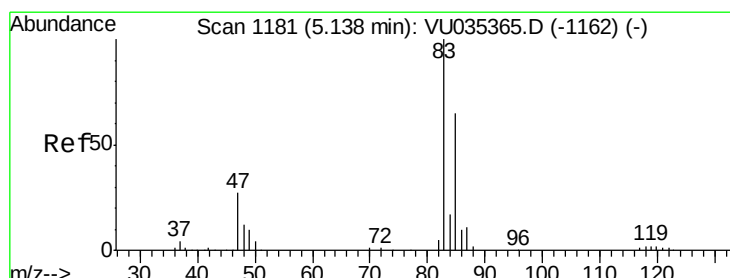
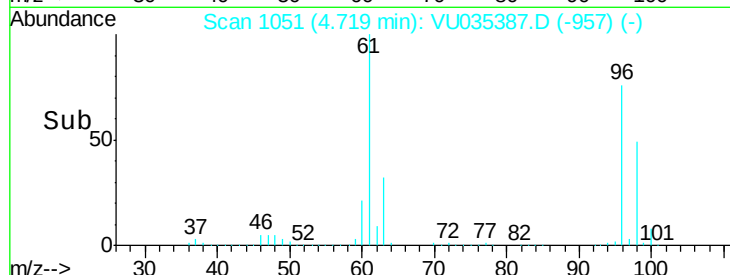
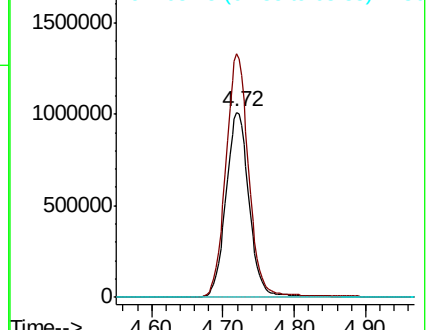
96 100

61 131.5 89.7 166.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.555 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035387.D

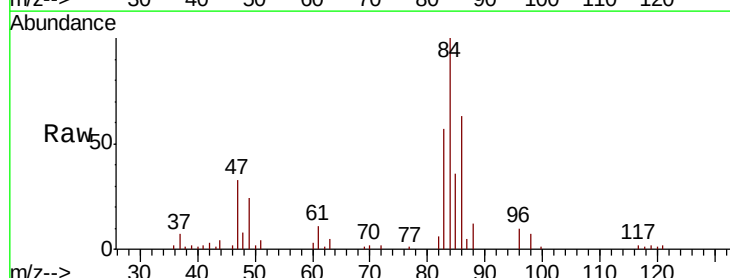
Acq: 23 Oct 2019 01:00

Tgt Ion: 83 Resp: 19499

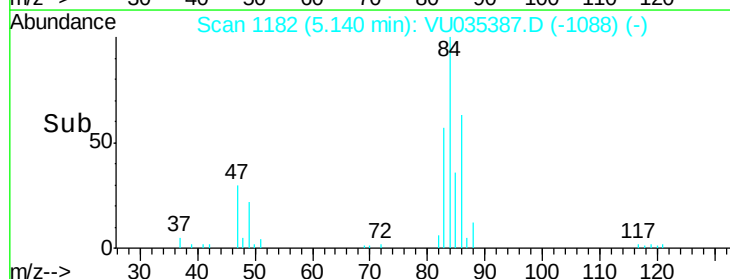
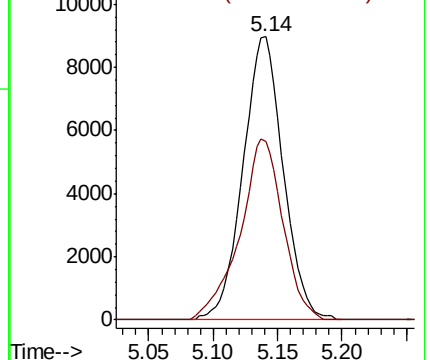
Ion Ratio Lower Upper

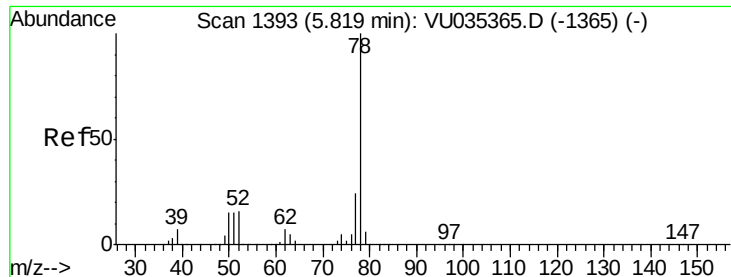
83 100

85 63.1 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.440 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035387.D

Acq: 23 Oct 2019 01:00

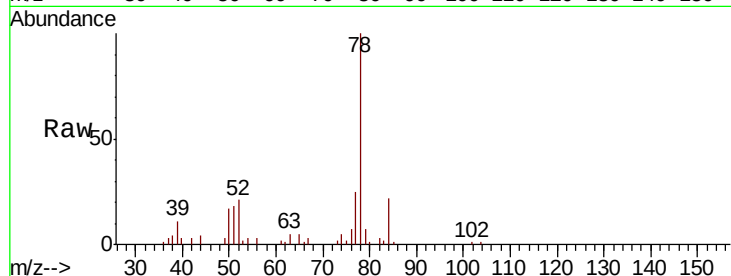
Instrument :

MSVOA_U

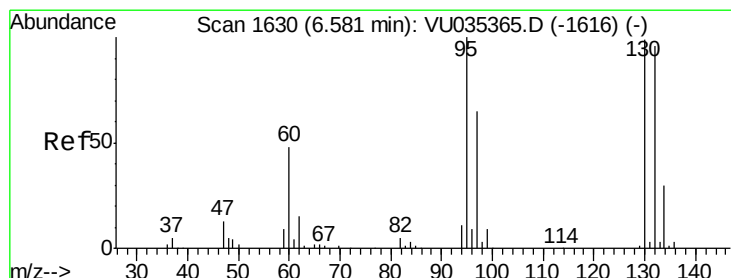
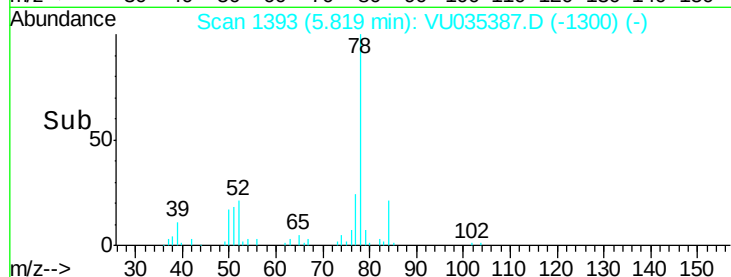
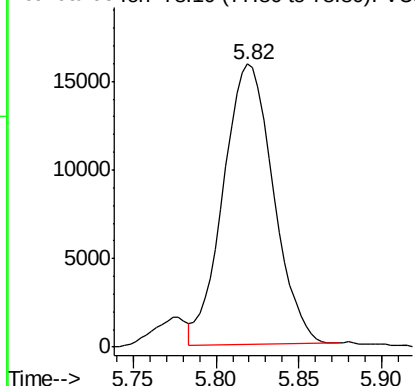
ClientSampleId :

H0G64

Tgt Ion: 78 Resp: 33233



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 163.860 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035387.D

Acq: 23 Oct 2019 01:00

Tgt Ion: 95 Resp: 3325795

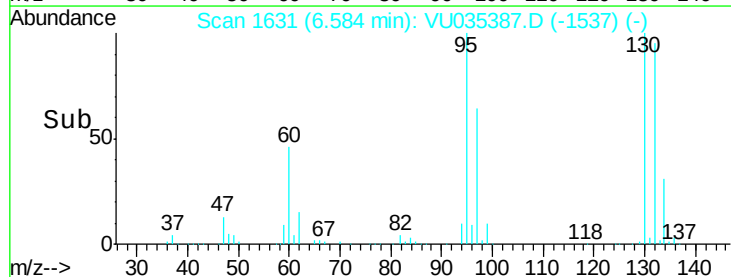
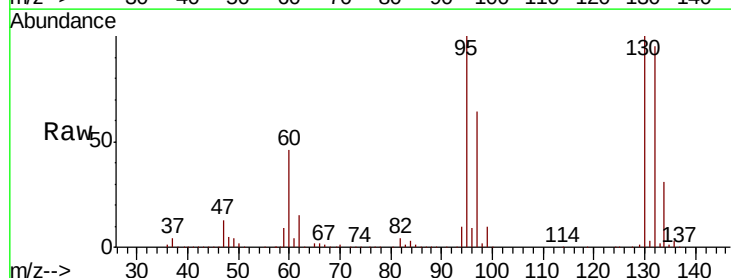
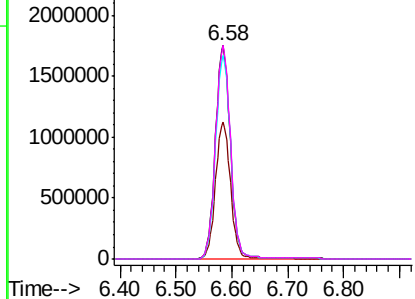
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.6	86.6
132	95.5	68.7	127.7
130	100.0	73.9	137.3

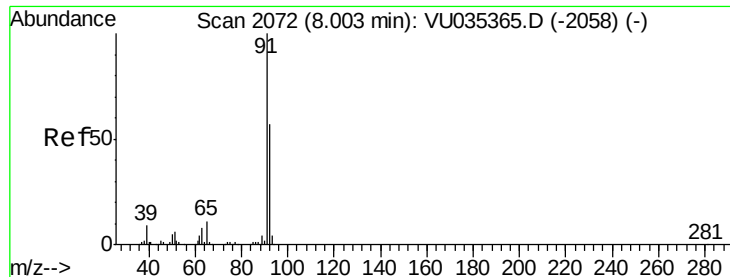
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0





#42

Toluene

Concen: 0.111 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035387.D

Acq: 23 Oct 2019 01:00

Instrument :

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ClientSampleId :

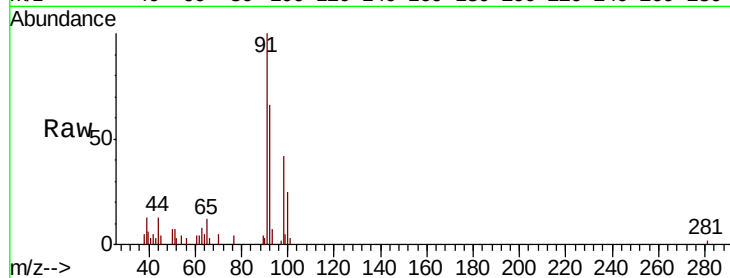
H0G64

Tot Ion: 91 Resp: 9231

Ion Ratio Lower Upper

91 100

92 66.0 39.9 74.1

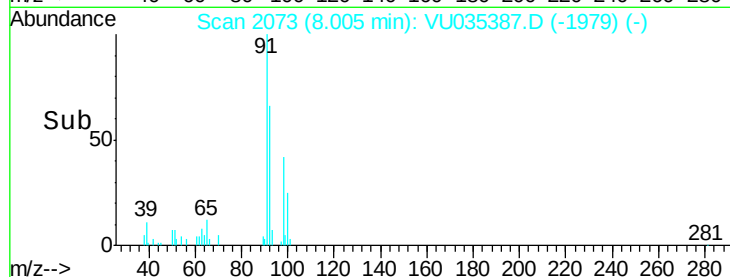


Abundance Ion 91.15 (90.85 to 91.85): VU035387.D (-1979) (-)

Ion 92.15 (91.85 to 92.85): VU035387.D (-1979) (-)

8.01

Time-->



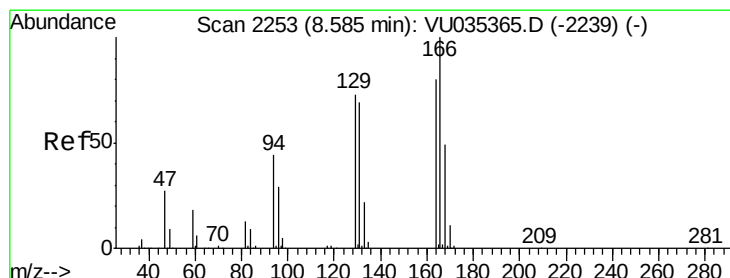
Abundance

Ion 91.15 (90.85 to 91.85): VU035387.D (-1979) (-)

Ion 92.15 (91.85 to 92.85): VU035387.D (-1979) (-)

8.01

Time-->



#47

Tetrachloroethene

Concen: 3.118 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035387.D

Acq: 23 Oct 2019 01:00

Tgt Ion: 164 Resp: 52729

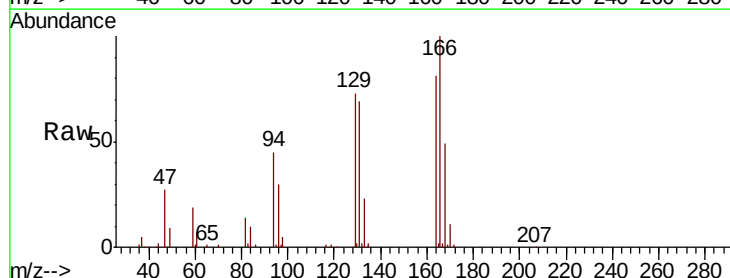
Ion Ratio Lower Upper

164 100

129 90.3 65.2 121.0

131 85.6 62.9 116.9

166 124.0 91.5 169.9



Abundance Ion 163.90 (163.60 to 164.60): VU035387.D (-2160) (-)

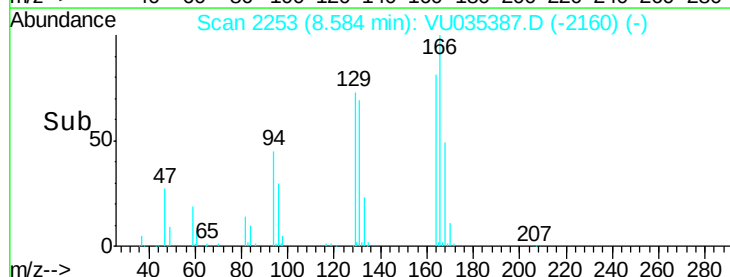
Ion 128.95 (128.65 to 129.65): VU035387.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU035387.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU035387.D (-2160) (-)

8.58

Time-->



Abundance

Ion 163.90 (163.60 to 164.60): VU035387.D (-2160) (-)

Ion 128.95 (128.65 to 129.65): VU035387.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU035387.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU035387.D (-2160) (-)

8.58

Time-->