

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111919\
 Data File : VU035764.D
 Acq On : 19 Nov 2019 12:25
 Operator : JC/SP
 Sample : K5930-04 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 20 00:40:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 20 00:37:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	201413	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	229226	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	77644	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	83395	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.93	69	82108	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.60	63	114942	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.70	46	239001	52.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.42%
24) Chloroform-d	5.12	84	170792	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.75	65	90166	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.77	84	329228	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.74	67	110720	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.93	98	261919	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.60%
43) trans-1,3-Dichloropropene-	8.22	79	38407	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.70	63	162338	44.46	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.92%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	93491	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	78820	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

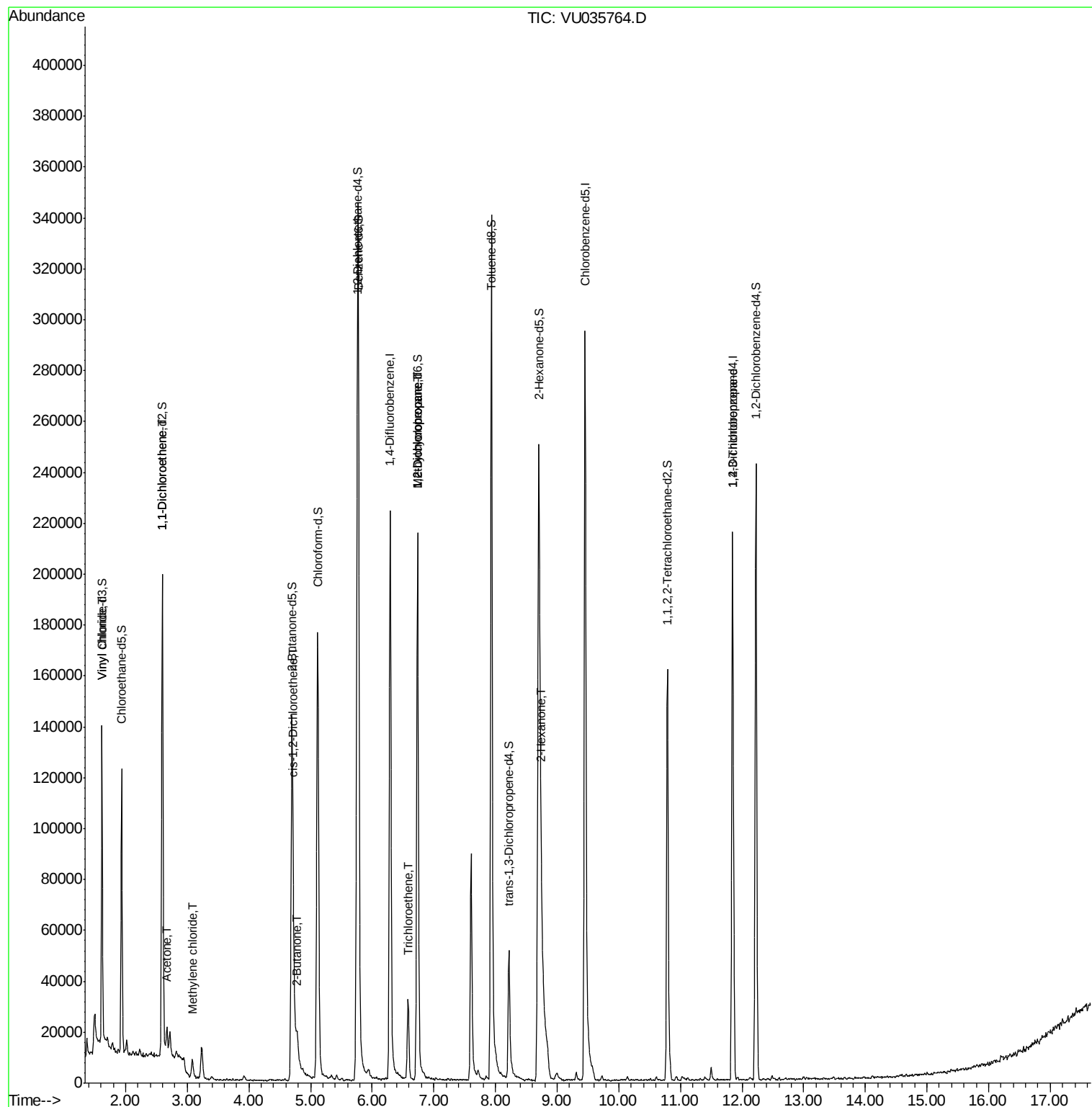
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	3896	0.152	ug/L #	1
12) 1,1-Dichloroethene	2.60	96	1309	0.074	ug/L #	1
13) Acetone	2.67	43	11086	3.359	ug/L	96
16) Methylene chloride	3.08	84	3392	0.162	ug/L	94
21) 2-Butanone	4.78	43	14442	2.947	ug/L	99
22) cis-1,2-Dichloroethene	4.73	96	2473	0.123	ug/L	88
34) Trichloroethene	6.58	95	10950	0.530	ug/L	94
35) Methylcyclohexane	6.74	83	26254	0.835	ug/L #	18
37) 1,2-Dichloropropane	6.74	63	10813	0.509	ug/L #	87
48) 2-Hexanone	8.74	43	11363	1.308	ug/L #	84
59) 1,2,3-Trichloropropane	11.84	75	8137	0.579	ug/L	98

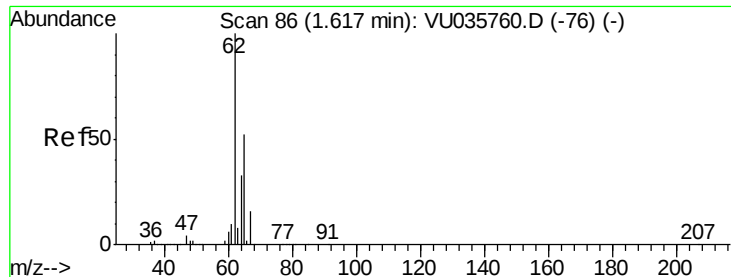
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.152 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035764.D

Acq: 19 Nov 2019 12:25

Instrument :

MSVOA_U

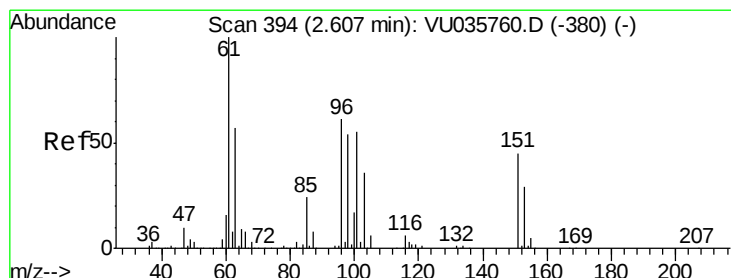
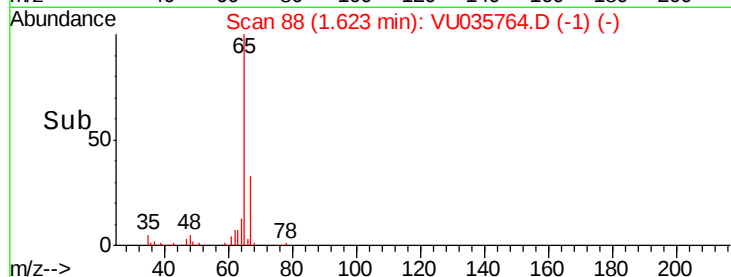
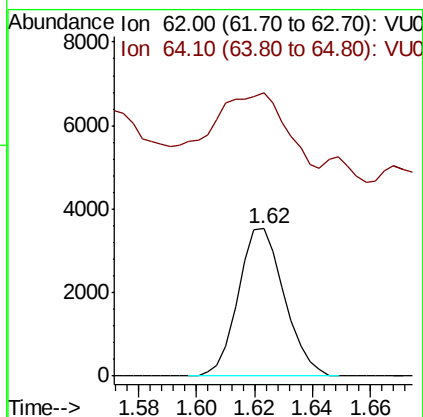
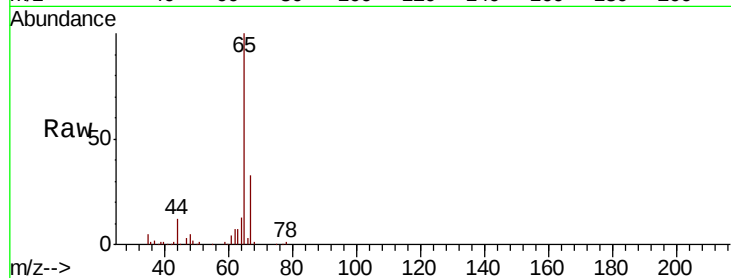
ClientSampleId :

Tot Ion: 62 Resp: 3896

Ion Ratio Lower Upper

62 100

64 192.4 23.5 43.7#



#12

1,1-Dichloroethene

Concen: 0.074 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035764.D

Acq: 19 Nov 2019 12:25

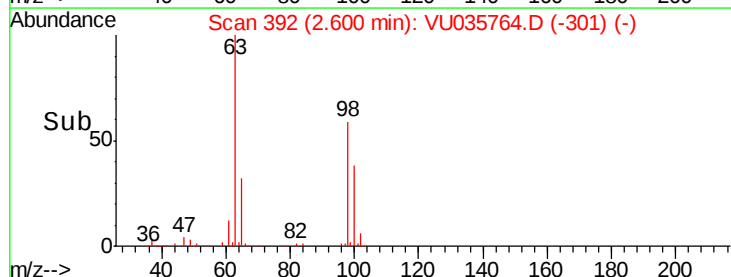
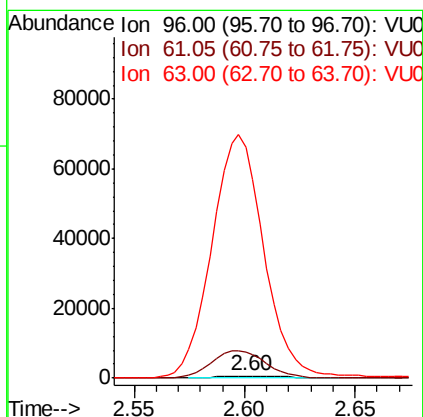
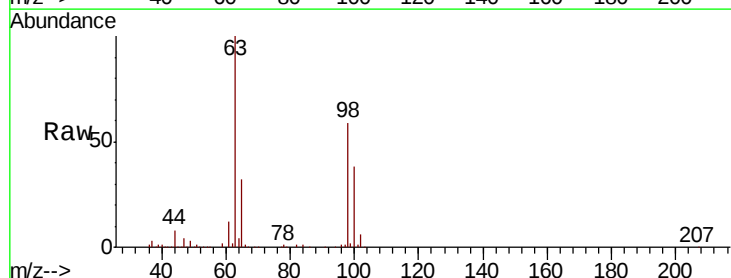
Tgt Ion: 96 Resp: 1309

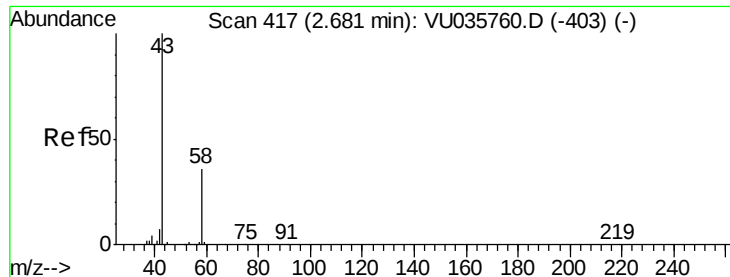
Ion Ratio Lower Upper

96 100

61 1276.4 123.1 228.5#

63 11062.2 87.8 163.0#





#13

Acetone

Concen: 3.359 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035764.D

Acq: 19 Nov 2019 12:25

Instrument :

MSVOA_U

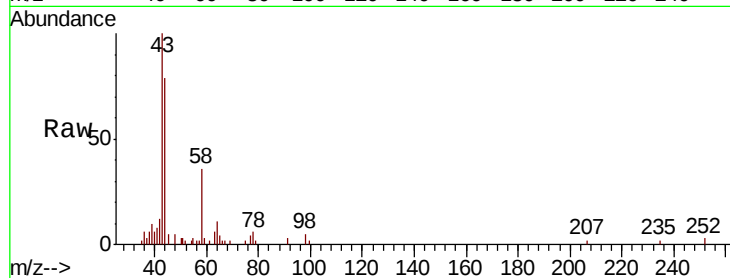
ClientSampleId :

Tot Ion: 43 Resp: 11086

Ion Ratio Lower Upper

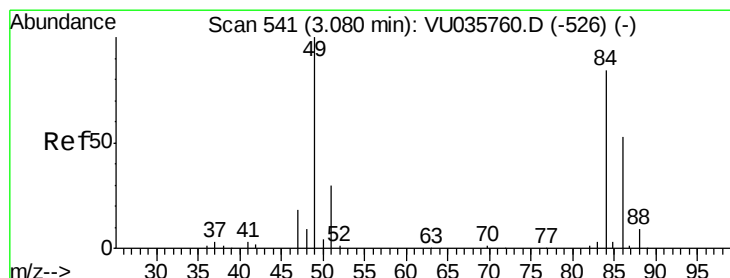
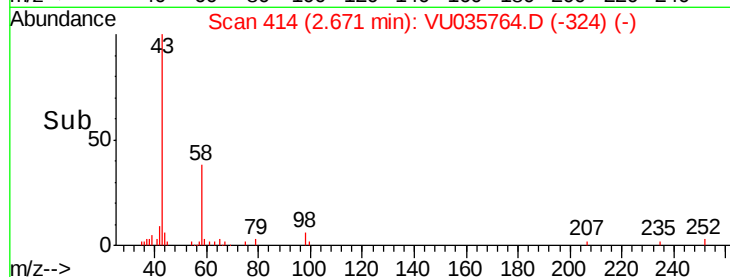
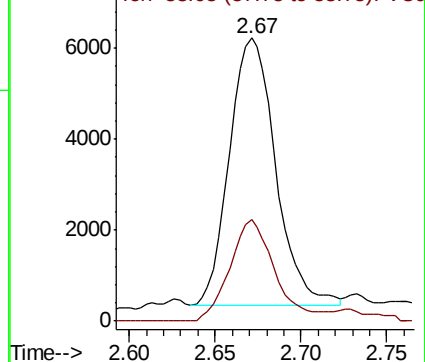
43 100

58 37.1 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035764.D (-403) (-)

Ion 58.05 (57.75 to 58.75): VU035764.D (-403) (-)



#16

Methylene chloride

Concen: 0.162 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035764.D

Acq: 19 Nov 2019 12:25

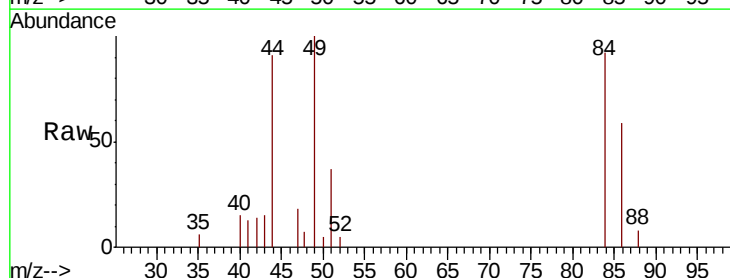
Tgt Ion: 84 Resp: 3392

Ion Ratio Lower Upper

84 100

86 64.2 45.8 85.2

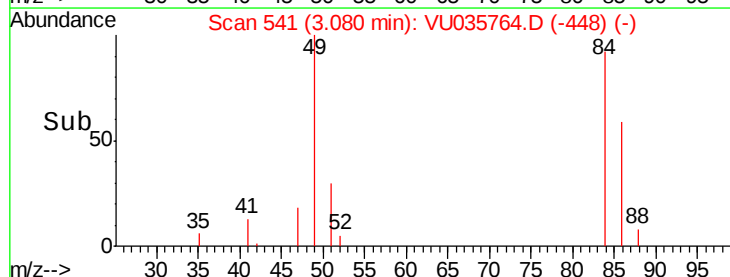
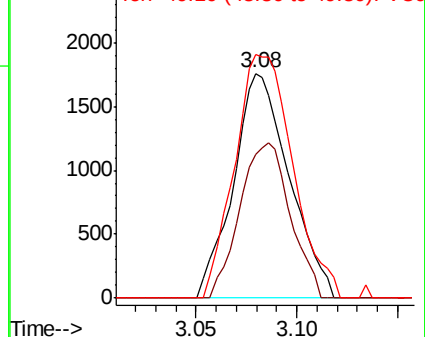
49 108.4 81.9 152.1

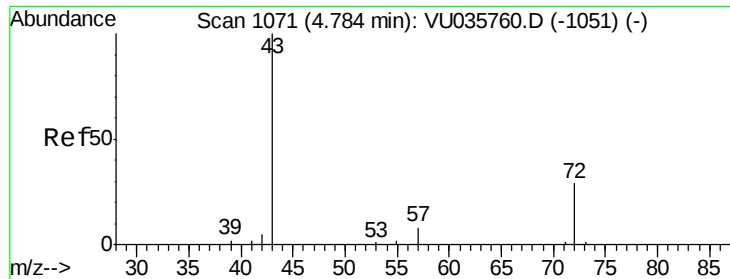


Abundance Ion 84.05 (83.75 to 84.75): VU035764.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035764.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035764.D (-526) (-)

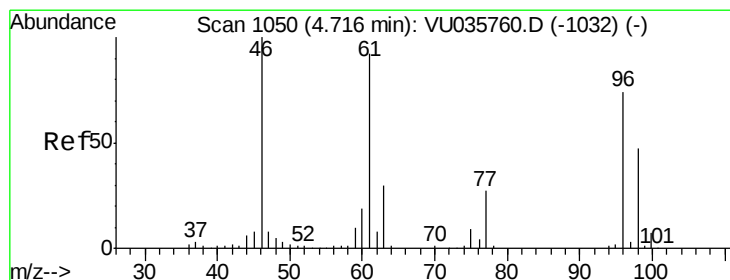
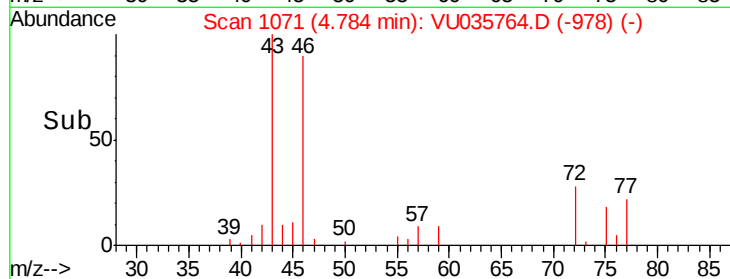
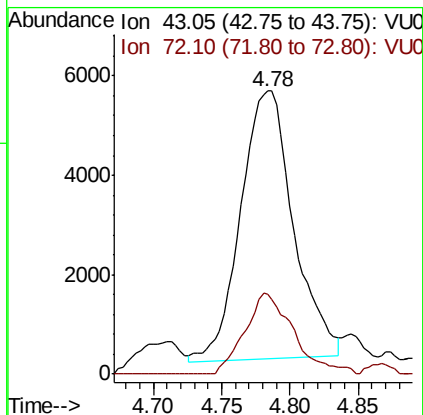
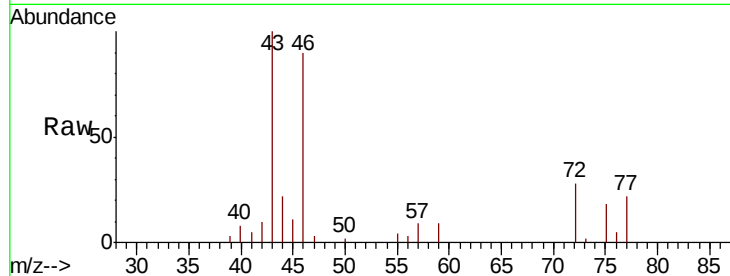




#21
 2-Butanone
 Concen: 2.947 ug/L
 RT: 4.78 min Scan# 1071
 Delta R.T. -0.00 min
 Lab File: VU035764.D
 Acq: 19 Nov 2019 12:25

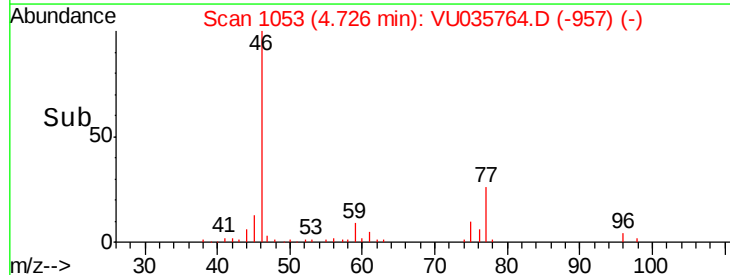
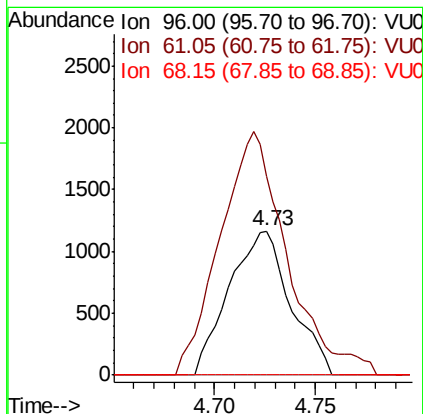
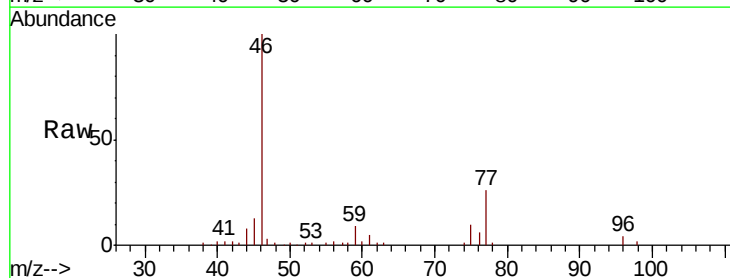
Instrument :
 MSVOA_U
 ClientSampleId :

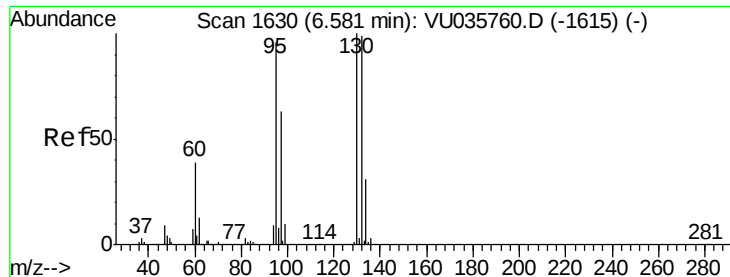
Tot Ion: 43 Resp: 14442
 Ion Ratio Lower Upper
 43 100
 72 28.0 14.3 42.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.123 ug/L
 RT: 4.73 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VU035764.D
 Acq: 19 Nov 2019 12:25

Tgt Ion: 96 Resp: 2473
 Ion Ratio Lower Upper
 96 100
 61 138.0 87.0 161.6
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 0.530 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035764.D

Acq: 19 Nov 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 10950

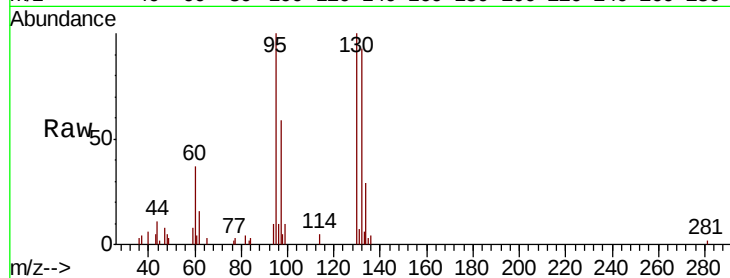
Ion Ratio Lower Upper

95 100

97 59.2 44.5 82.7

132 93.4 69.9 129.7

130 99.7 74.1 137.7

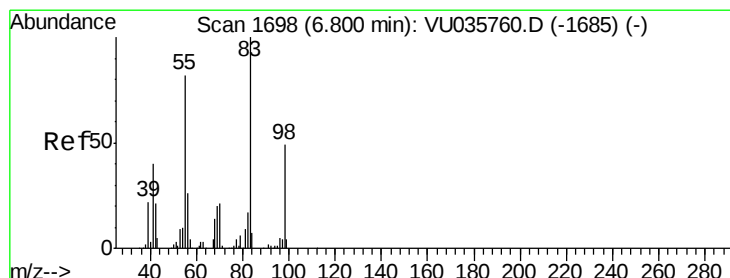
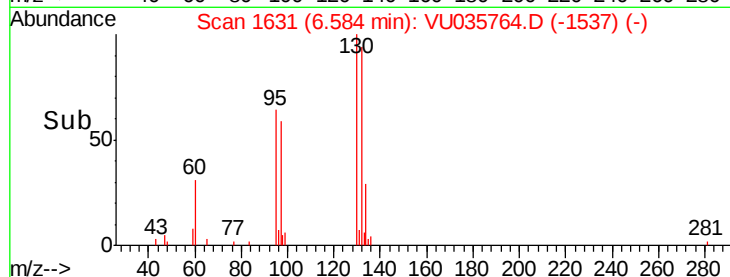
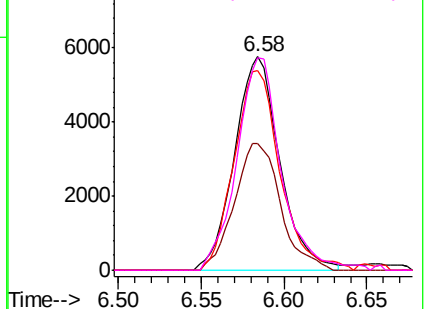


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.835 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035764.D

Acq: 19 Nov 2019 12:25

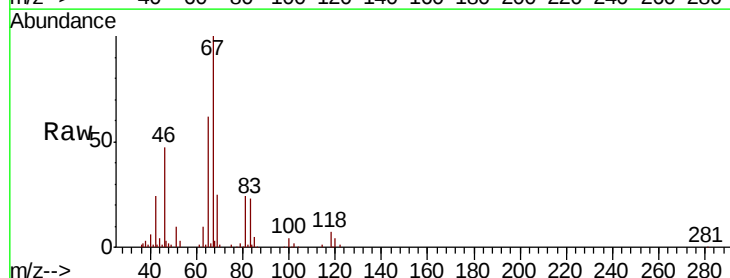
Tgt Ion: 83 Resp: 26254

Ion Ratio Lower Upper

83 100

55 0.2 62.6 93.8#

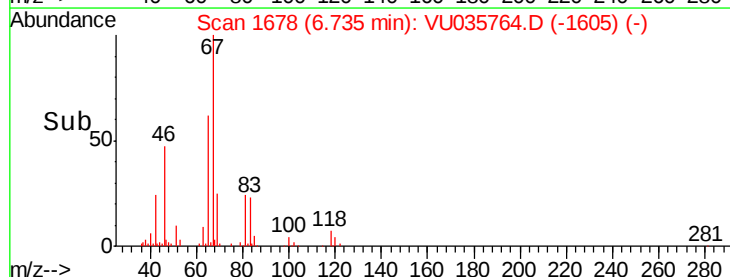
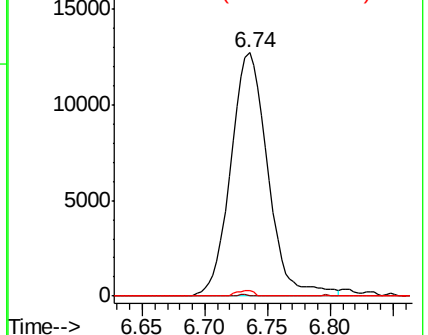
98 1.0 37.2 55.8#

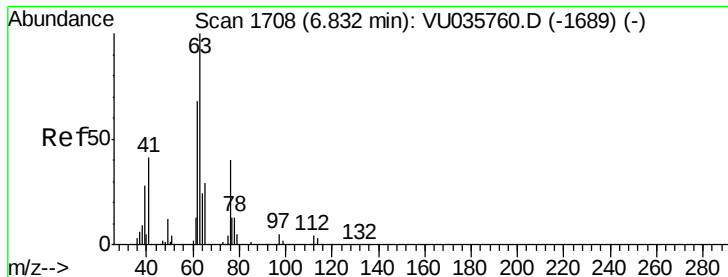


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.509 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035764.D

Acq: 19 Nov 2019 12:25

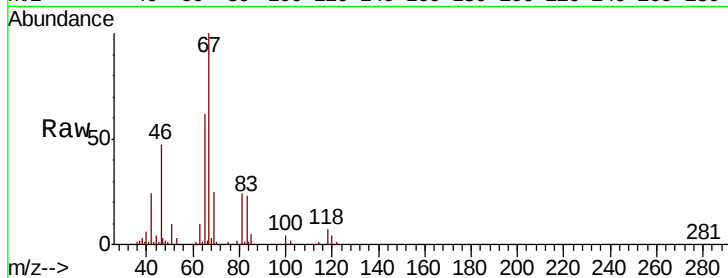
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 10813

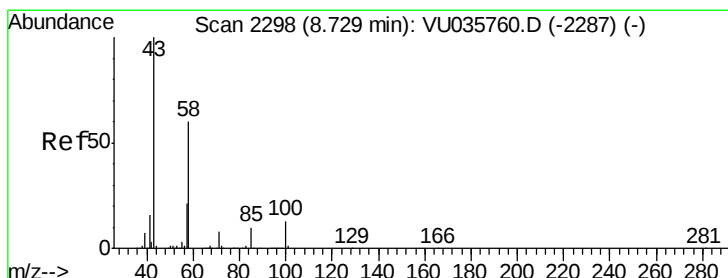
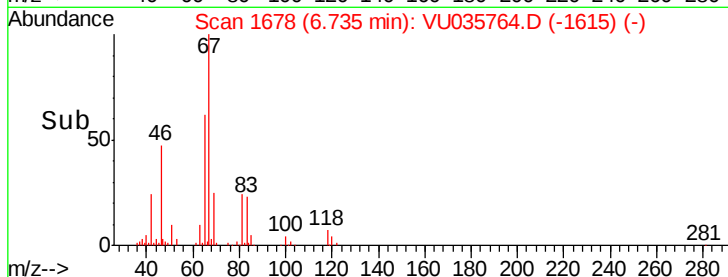
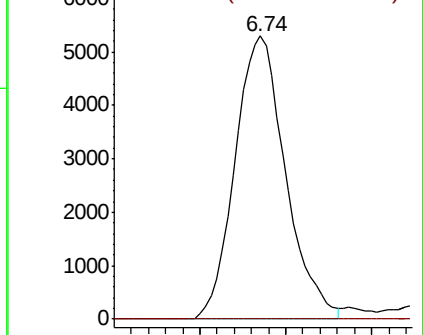
Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU035764.D (-1689) (-)



#48

2-Hexanone

Concen: 1.308 ug/L

RT: 8.74 min Scan# 2303

Delta R.T. 0.02 min

Lab File: VU035764.D

Acq: 19 Nov 2019 12:25

Tgt Ion: 43 Resp: 11363

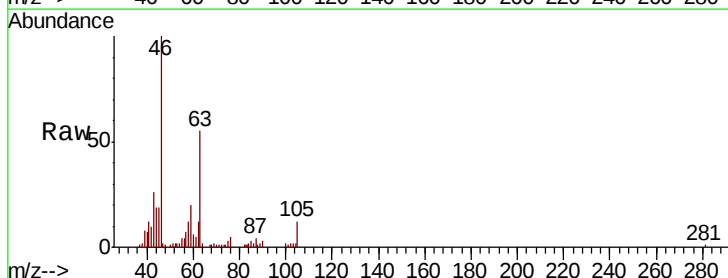
Ion Ratio Lower Upper

43 100

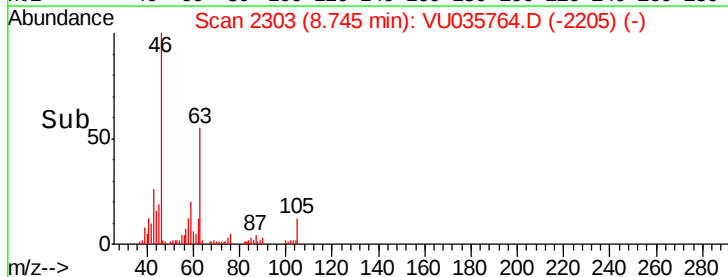
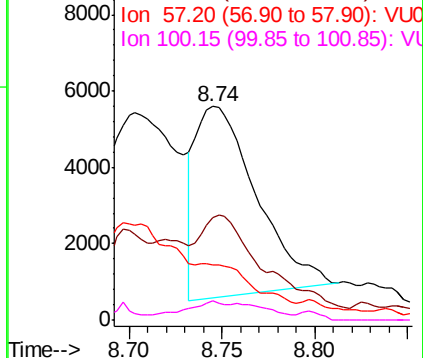
58 50.9 44.1 66.1

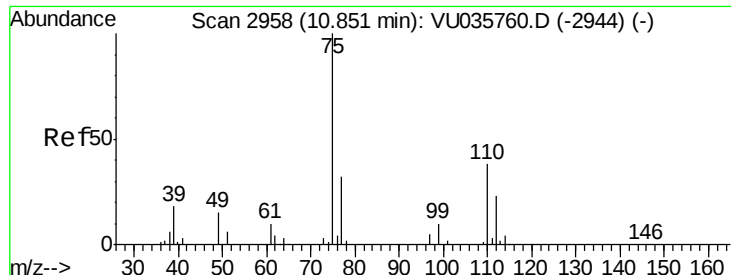
57 0.0 15.1 22.7#

100 4.4 9.4 14.2#



Abundance Ion 43.05 (42.75 to 43.75): VU035764.D (-2287) (-)





#59

1,2,3-Trichloropropane

Concen: 0.579 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035764.D

Acq: 19 Nov 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 8137

Ion Ratio Lower Upper

75 100

77 34.5 26.8 40.2

