

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
 Data File : VU035763.D
 Acq On : 19 Nov 2019 12:01
 Operator : JC/SP
 Sample : K5930-02 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 B0AA2

Quant Time: Nov 20 01:05:32 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	184905	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	203945	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	79054	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	83767	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.93	69	80109	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.60	63	112007	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	4.70	46	232826	55.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.82%
24) Chloroform-d	5.11	84	156234	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.75	65	88317	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.77	84	321539	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.74	67	108972	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.93	98	254529	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	8.22	79	37706	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.70	63	154555	47.57	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.14%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	93686	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	83940	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

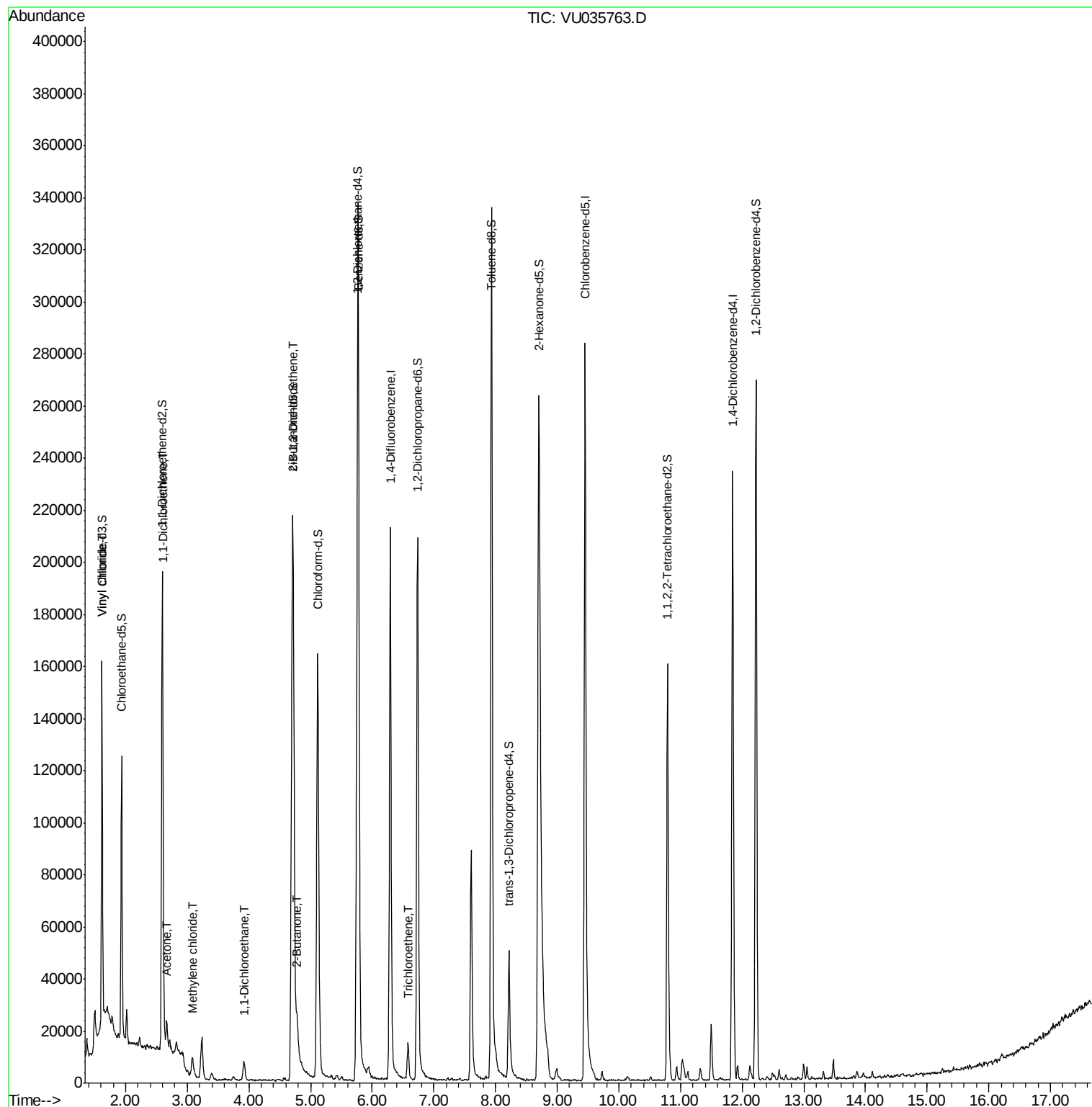
					Ovalue
5) Vinyl chloride	1.62	62	18696	0.795 ug/L #	1
12) 1,1-Dichloroethene	2.61	96	3741	0.230 ug/L #	1
13) Acetone	2.67	43	9697	3.201 ug/L	92
16) Methylene chloride	3.09	84	3252	0.169 ug/L	89
19) 1,1-Dichloroethane	3.92	63	9430	0.303 ug/L	96
21) 2-Butanone	4.78	43	17180	3.819 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	69927	3.782 ug/L	98
34) Trichloroethene	6.58	95	4654	0.253 ug/L	87

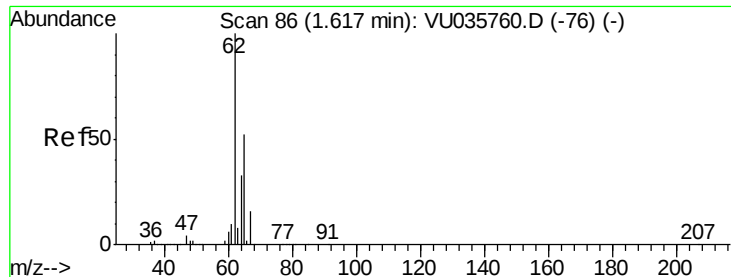
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.795 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035763.D

Acq: 19 Nov 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

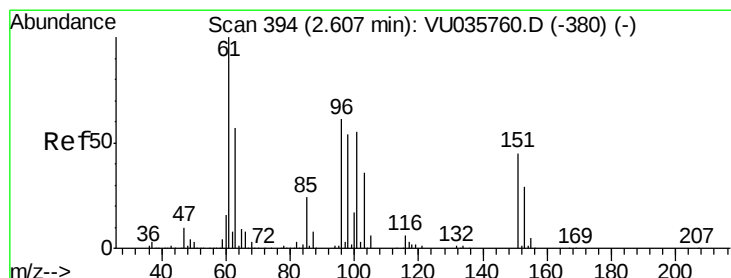
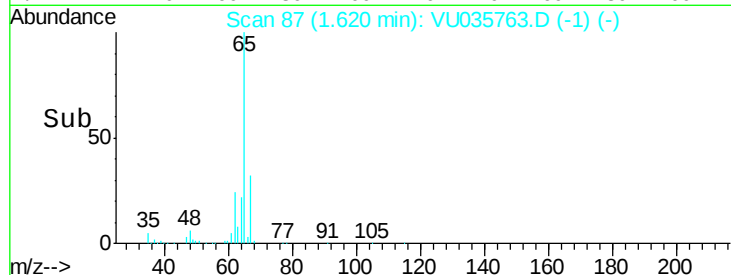
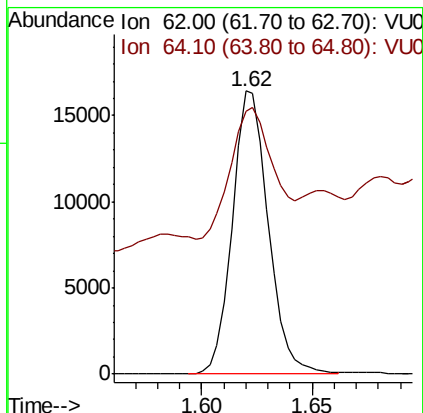
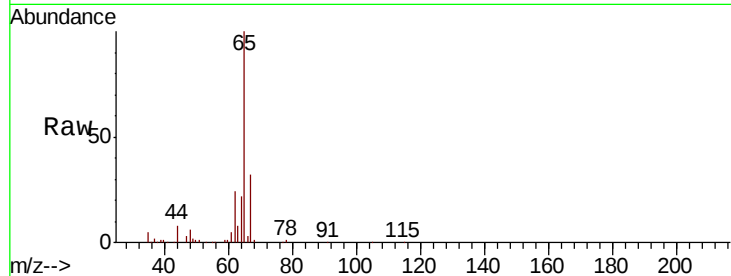
B0AA2

Tot Ion: 62 Resp: 18696

Ion Ratio Lower Upper

62 100

64 93.1 23.5 43.7#



#12

1,1-Dichloroethene

Concen: 0.230 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035763.D

Acq: 19 Nov 2019 12:01

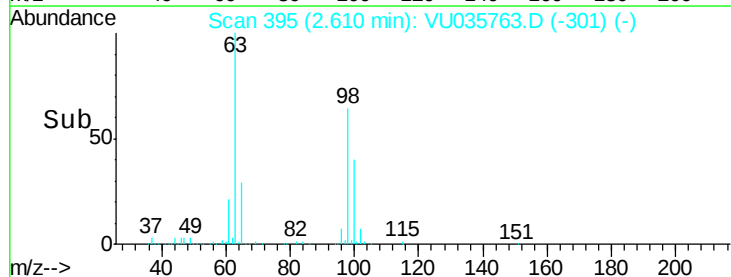
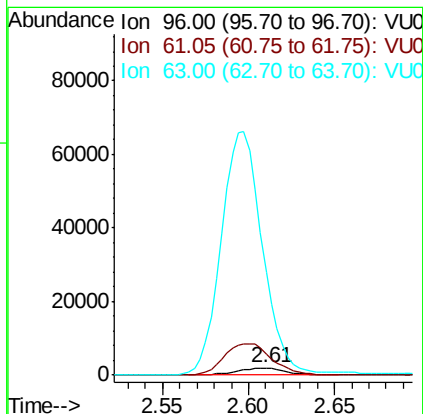
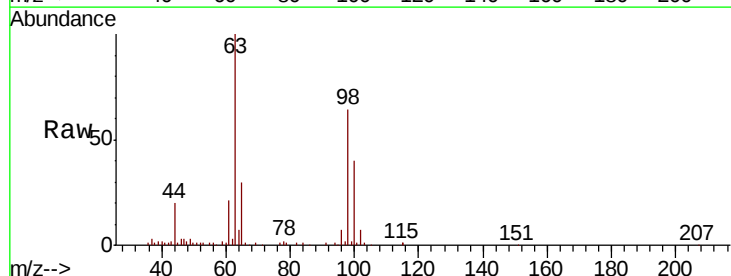
Tgt Ion: 96 Resp: 3741

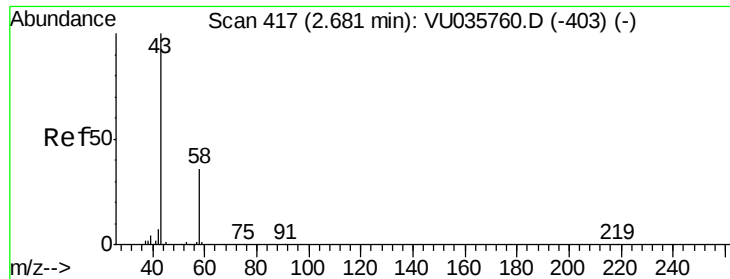
Ion Ratio Lower Upper

96 100

61 305.1 123.1 228.5#

63 1466.0 87.8 163.0#





#13

Acetone

Concen: 3.201 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035763.D

Acq: 19 Nov 2019 12:01

Instrument :

MSVOA_U

ClientSampleId :

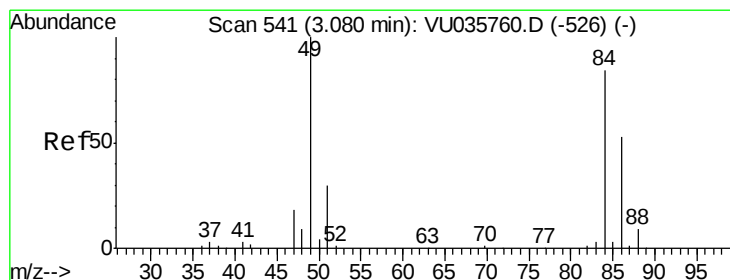
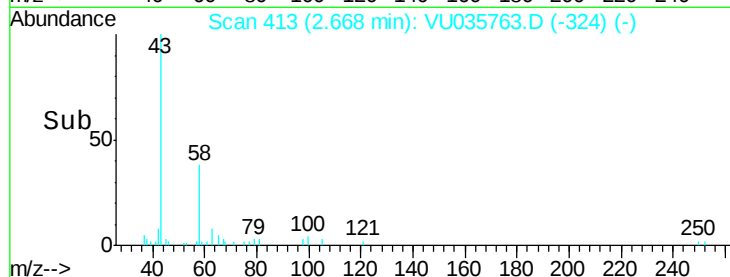
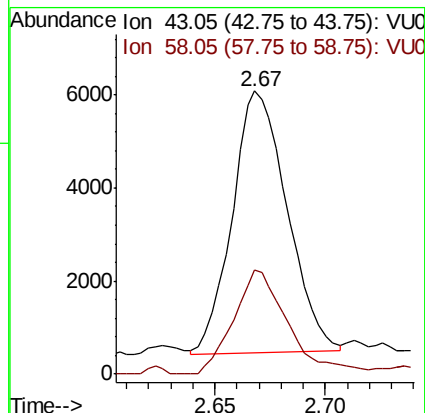
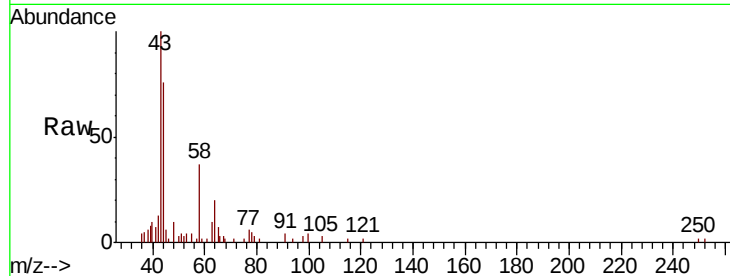
B0AA2

Tot Ion: 43 Resp: 9697

Ion Ratio Lower Upper

43 100

58 39.4 0.0 69.8



#16

Methylene chloride

Concen: 0.169 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.01 min

Lab File: VU035763.D

Acq: 19 Nov 2019 12:01

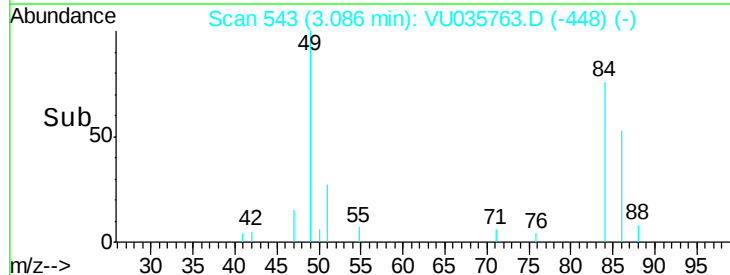
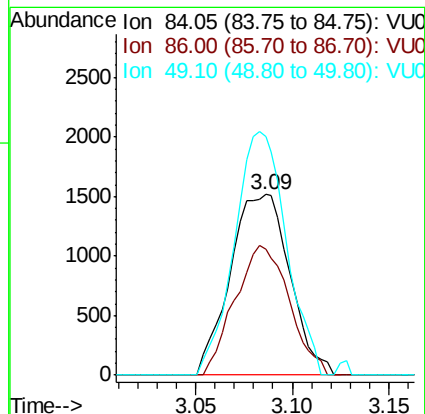
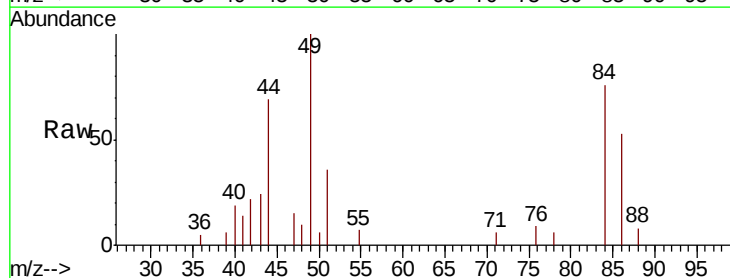
Tgt Ion: 84 Resp: 3252

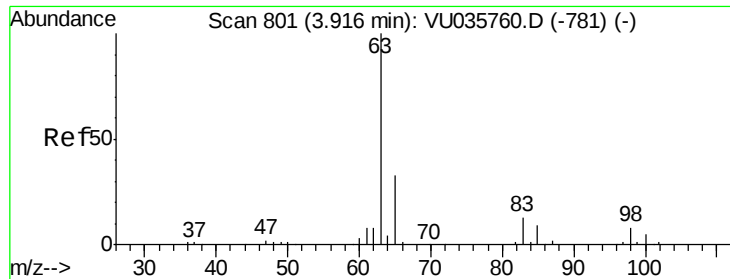
Ion Ratio Lower Upper

84 100

86 69.8 45.8 85.2

49 131.6 81.9 152.1

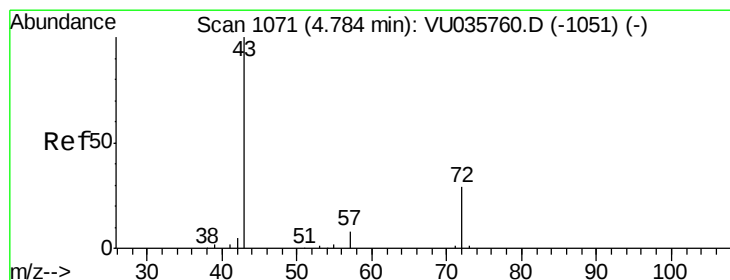
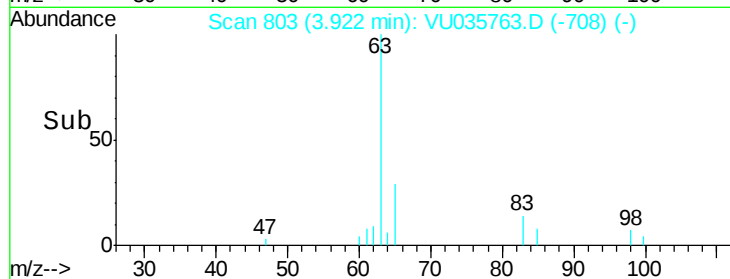
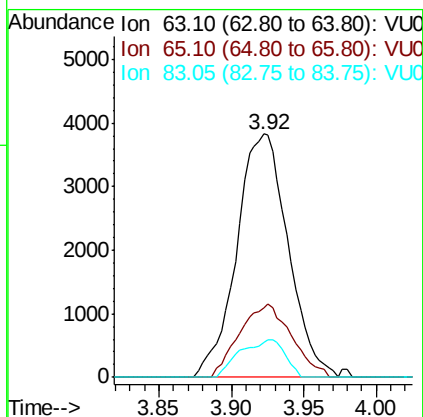
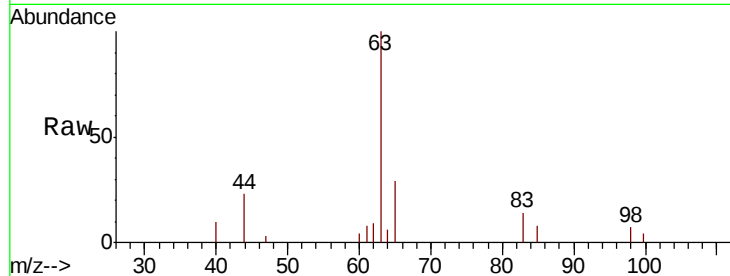




#19
 1,1-Dichloroethane
 Concen: 0.303 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: VU035763.D
 Acq: 19 Nov 2019 12:01

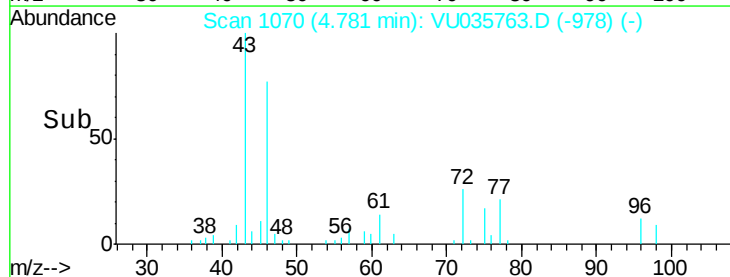
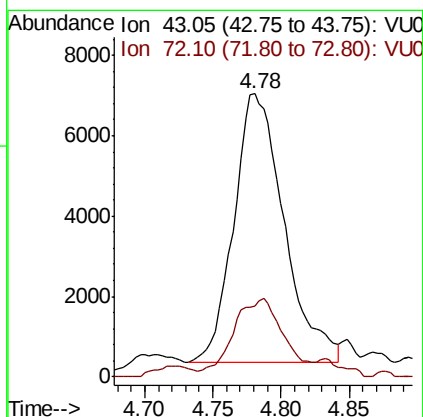
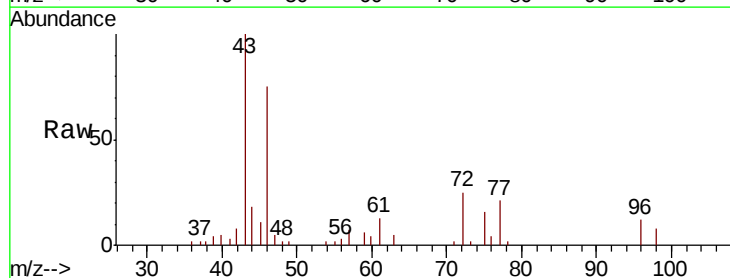
Instrument :
 MSVOA_U
 ClientSampleId :
 B0AA2

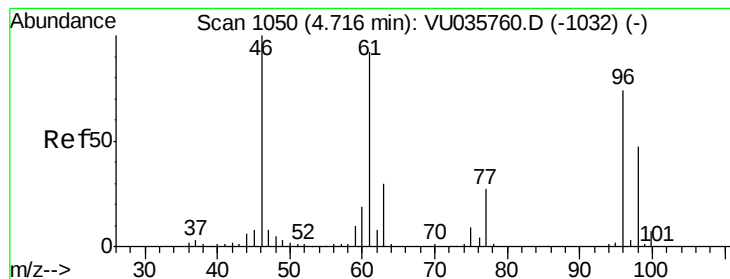
Tot Ion: 63 Resp: 9430
 Ion Ratio Lower Upper
 63 100
 65 28.7 22.0 40.8
 83 14.2 9.3 17.3



#21
 2-Butanone
 Concen: 3.819 ug/L
 RT: 4.78 min Scan# 1070
 Delta R.T. -0.00 min
 Lab File: VU035763.D
 Acq: 19 Nov 2019 12:01

Tgt Ion: 43 Resp: 17180
 Ion Ratio Lower Upper
 43 100
 72 29.8 14.3 42.9





#22

cis-1,2-Dichloroethene

Concen: 3.782 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035763.D

Acq: 19 Nov 2019 12:01

Instrument :
MSVOA_U
ClientSampleId :
B0AA2

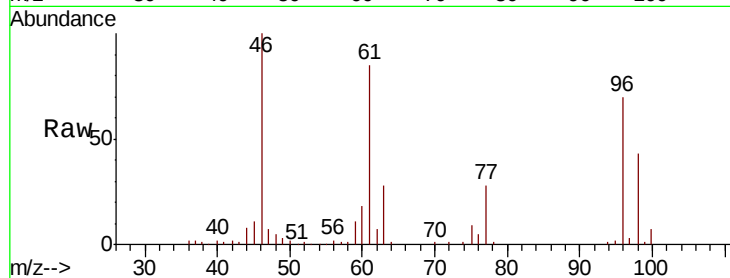
Tot Ion: 96 Resp: 69927

Ion Ratio Lower Upper

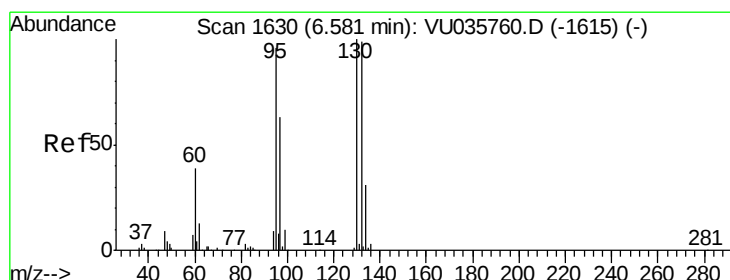
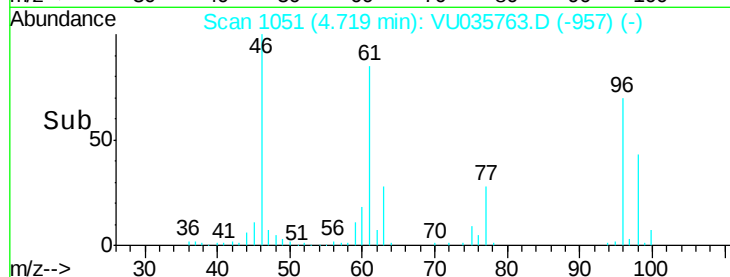
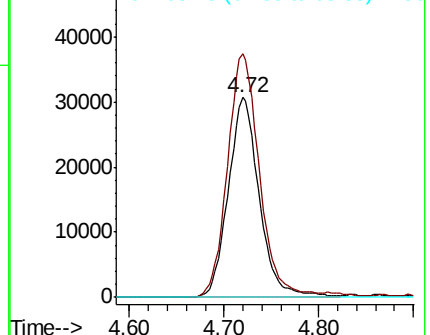
96 100

61 121.9 87.0 161.6

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



#34

Trichloroethene

Concen: 0.253 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035763.D

Acq: 19 Nov 2019 12:01

Tgt Ion: 95 Resp: 4654

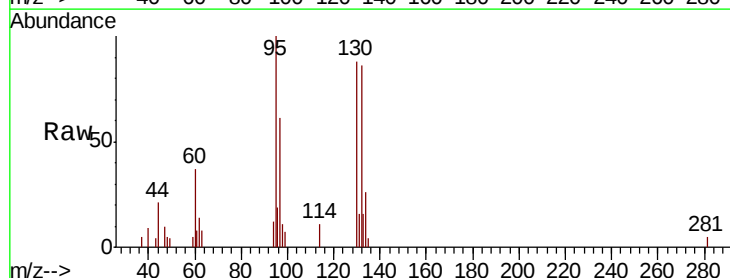
Ion Ratio Lower Upper

95 100

97 61.4 44.5 82.7

132 86.1 69.9 129.7

130 88.2 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

