

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
 Data File : VU025397.D
 Acq On : 13 Jul 2018 17:29
 Operator : MD/SY
 Sample : J3984-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 13 19:04:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 13 14:43:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	329809	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	298956	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	144566	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	83454	42.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.66%
7) Chloroethane-d5	1.68	69	69365	42.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.32%
11) 1,1-Dichloroethene-d2	2.27	63	137784	32.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.08%
21) 2-Butanone-d5	4.18	46	160566	97.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.43%
24) Chloroform-d	4.65	84	181659	43.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.04%
26) 1,2-Dichloroethane-d4	5.31	65	129793	43.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.70%
32) Benzene-d6	5.35	84	353903	43.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.30%
36) 1,2-Dichloropropane-d6	6.33	67	114369	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.56%
41) Toluene-d8	7.57	98	339267	42.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.54%
43) trans-1,3-Dichloropropene-	7.85	79	50817	38.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.58%
47) 2-Hexanone-d5	8.31	63	122076	102.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.38%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	162557	43.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	138487	43.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.92%

Target Compounds

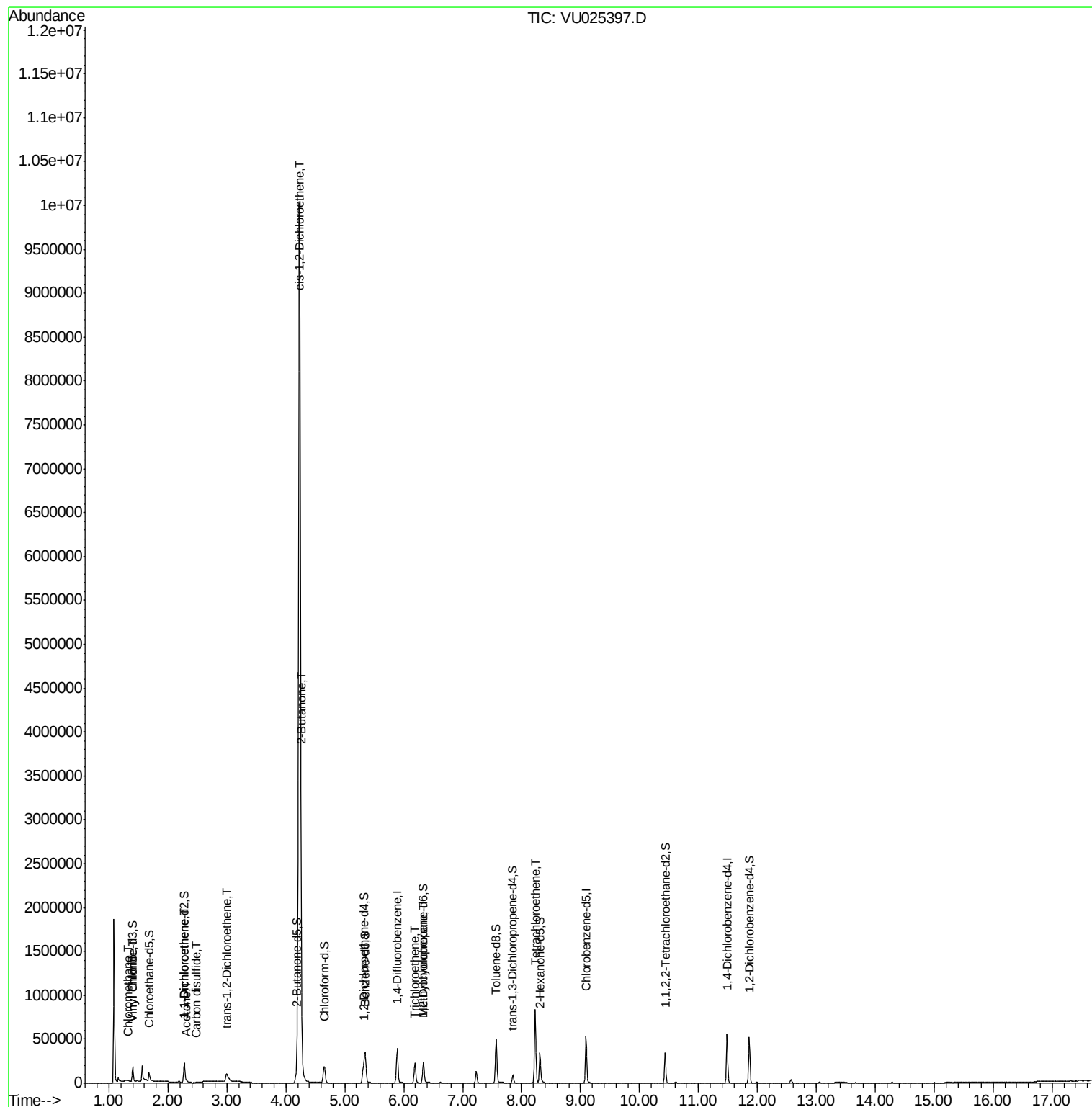
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.33	50	4679	1.893	ug/L	99
5) Vinyl chloride	1.40	62	31787	12.427	ug/L	89
12) 1,1-Dichloroethene	2.29	96	10092	4.989	ug/L #	1
13) Acetone	2.32	43	14604	8.622	ug/L	99
14) Carbon disulfide	2.48	76	8962	1.467	ug/L #	90
17) trans-1,2-Dichloroethene	3.00	96	59405	27.122	ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	5874371	2322.261	ug/L	97
22) 2-Butanone	4.27	43	46414	23.163	ug/L #	1
34) Trichloroethene	6.19	95	78710	32.635	ug/L	99
35) Methylcyclohexane	6.33	83	26652	6.622	ug/L #	19
46) Tetrachloroethene	8.23	164	191685	93.890	ug/L	99

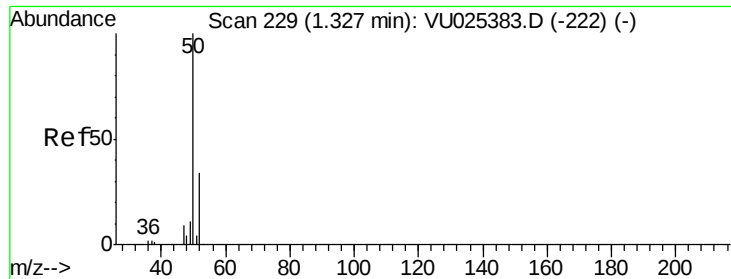
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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#3

Chloromethane

Concen: 1.893 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:29

Instrument :

MSVOA_U

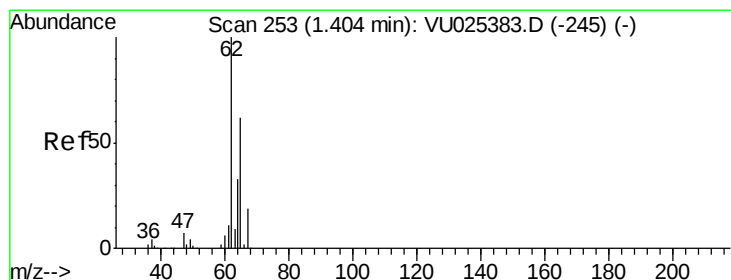
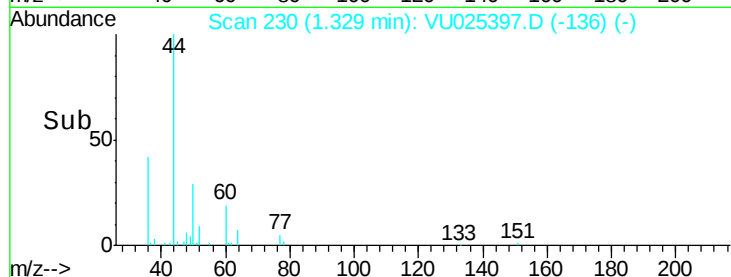
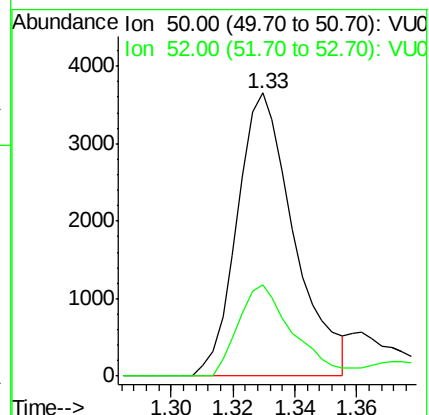
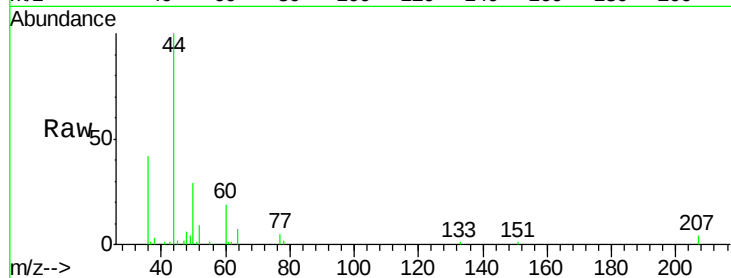
ClientSampleId :

Tot Ion: 50 Resp: 4679

Ion Ratio Lower Upper

50 100

52 32.3 23.1 42.9



#5

Vinyl chloride

Concen: 12.427 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025397.D

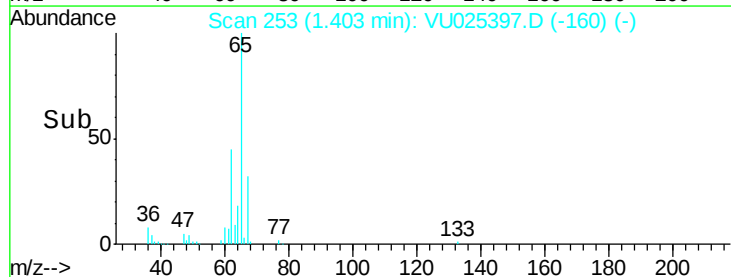
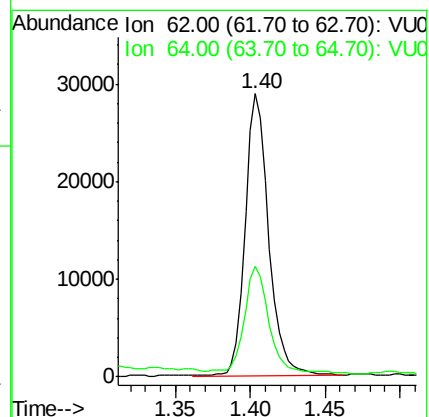
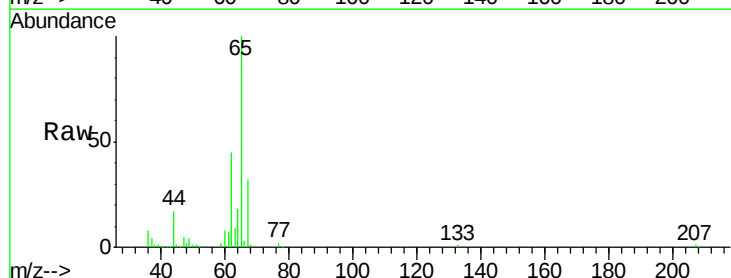
Acq: 13 Jul 2018 17:29

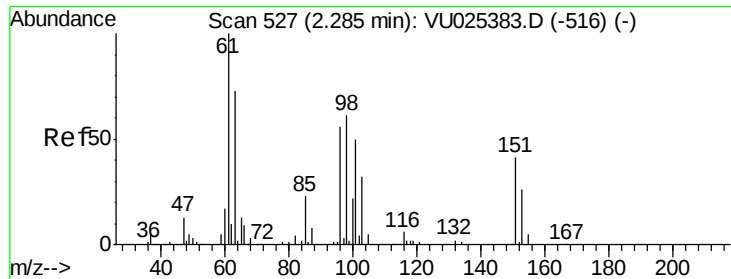
Tgt Ion: 62 Resp: 31787

Ion Ratio Lower Upper

62 100

64 39.0 23.0 42.8





#12

1,1-Dichloroethene

Concen: 4.989 ug/L

RT: 2.29 min Scan# 528

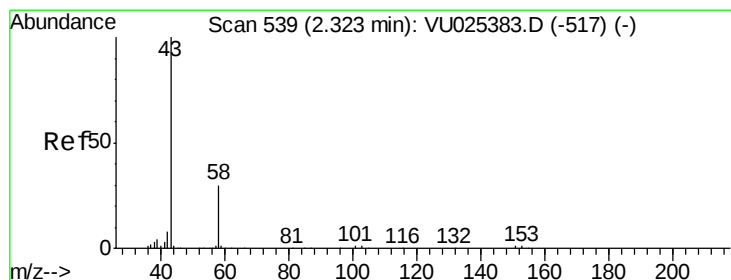
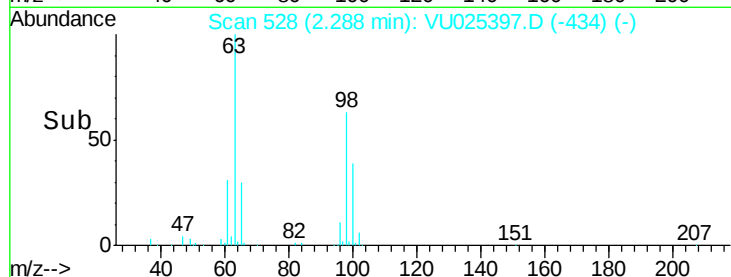
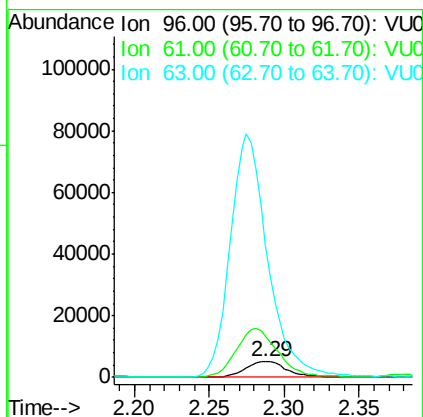
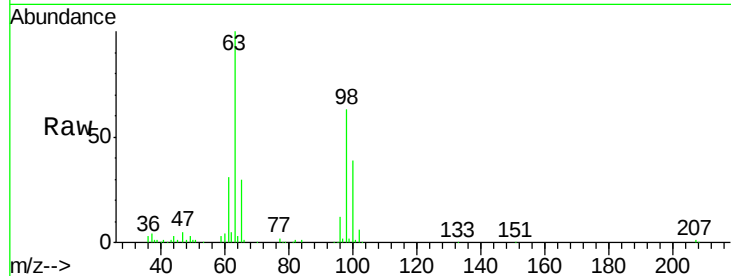
Delta R.T. 0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 10092
Ion Ratio Lower Upper
96 100
61 263.2 128.1 237.9#
63 845.0 103.6 192.4#



#13

Acetone

Concen: 8.622 ug/L

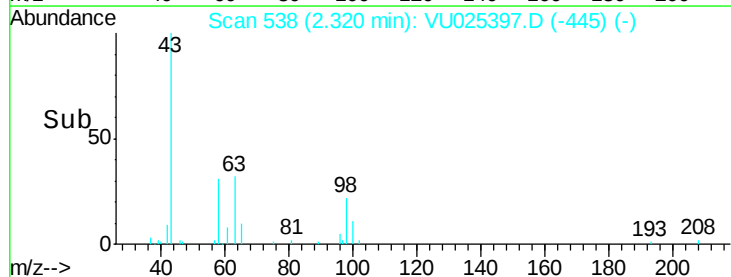
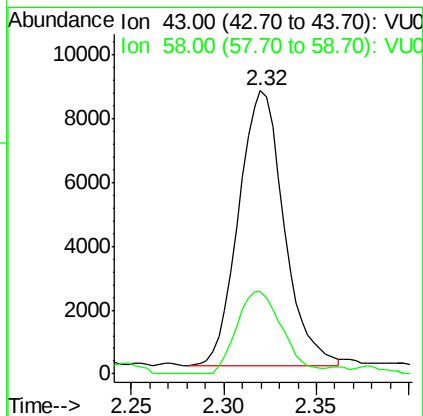
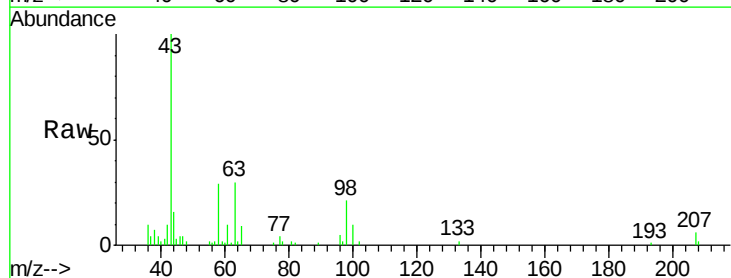
RT: 2.32 min Scan# 538

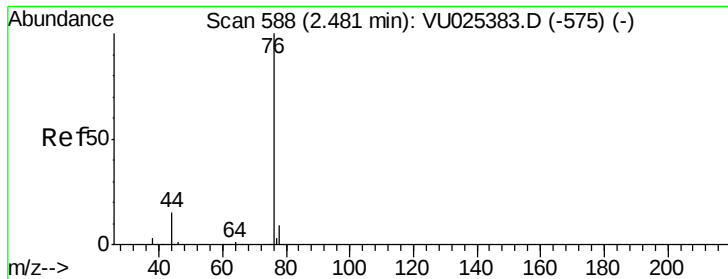
Delta R.T. -0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:29

Tgt Ion: 43 Resp: 14604
Ion Ratio Lower Upper
43 100
58 30.1 0.0 59.4





#14

Carbon disulfide

Concen: 1.467 ug/L

RT: 2.48 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:29

Instrument :

MSVOA_U

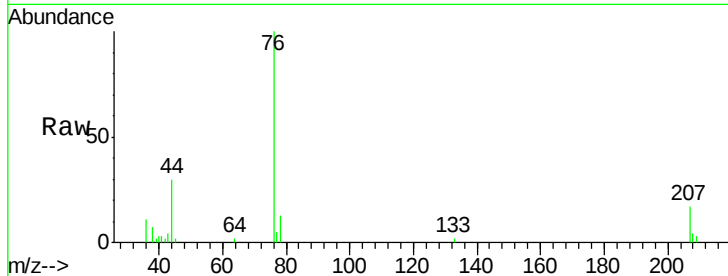
ClientSampleId :

Tot Ion: 76 Resp: 8962

Ion Ratio Lower Upper

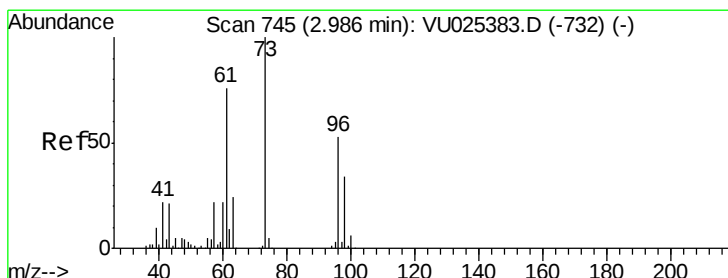
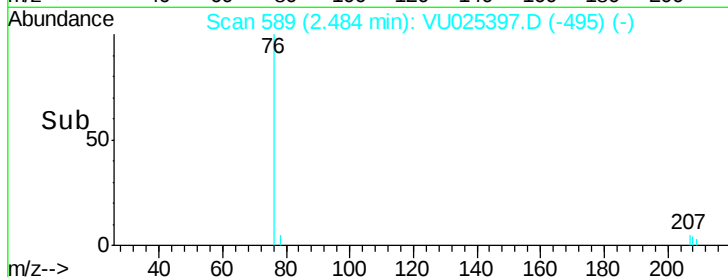
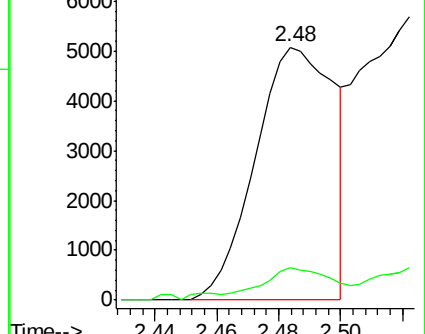
76 100

78 12.8 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 27.122 ug/L

RT: 3.00 min Scan# 748

Delta R.T. 0.01 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:29

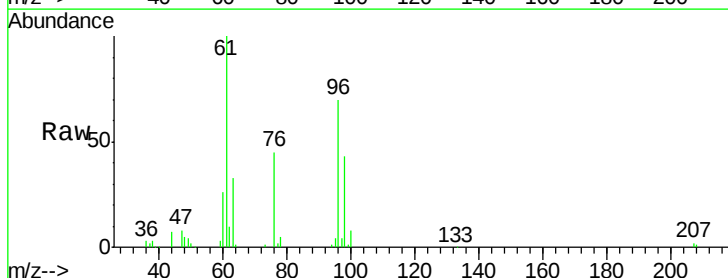
Tgt Ion: 96 Resp: 59405

Ion Ratio Lower Upper

96 100

61 143.2 102.7 190.7

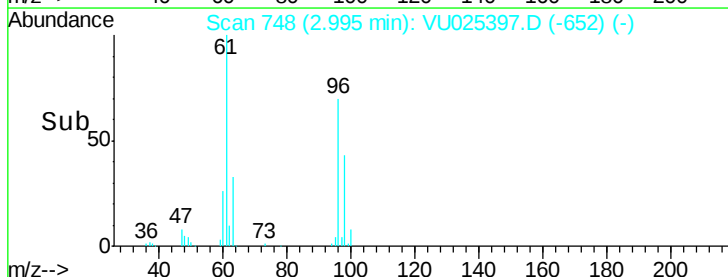
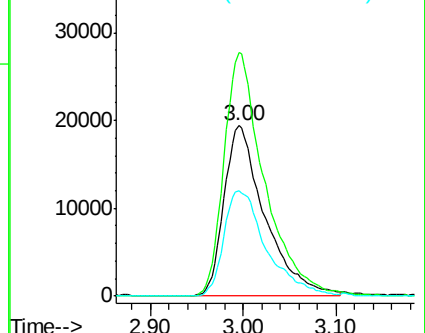
98 61.7 44.4 82.5

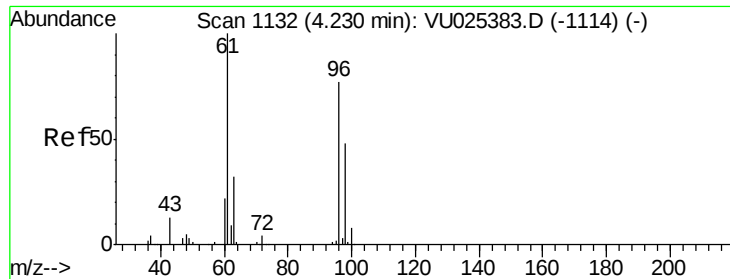


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

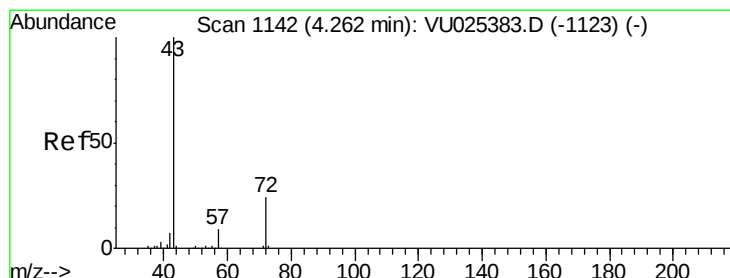
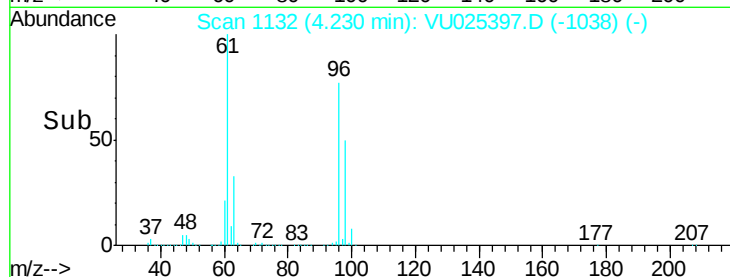
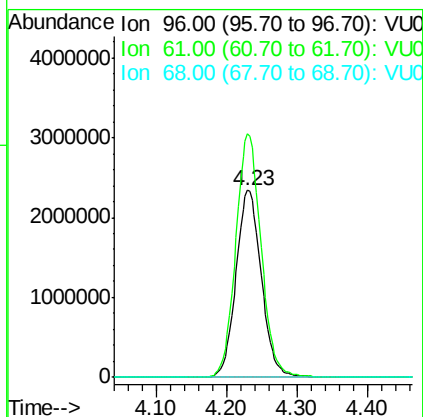
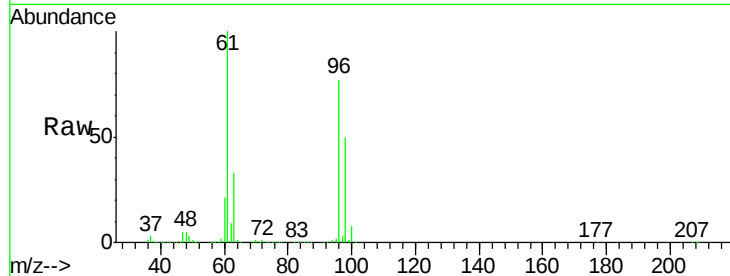




#20
 cis-1,2-Dichloroethene
 Concen: 2322.261 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025397.D
 Acq: 13 Jul 2018 17:29

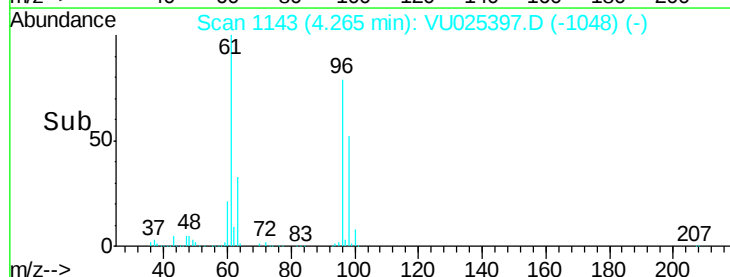
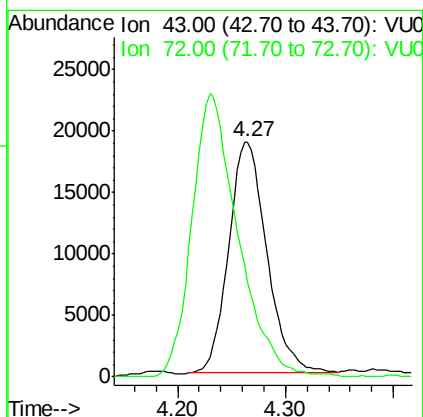
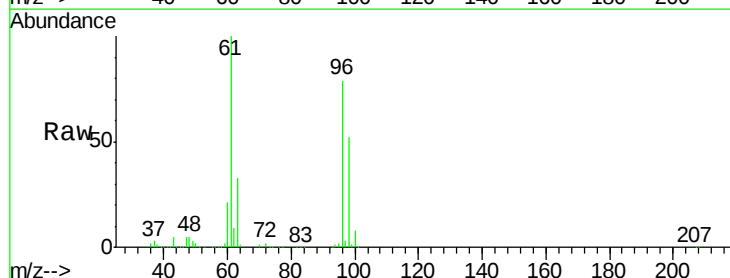
Instrument :
 MSVOA_U
 ClientSampleId :

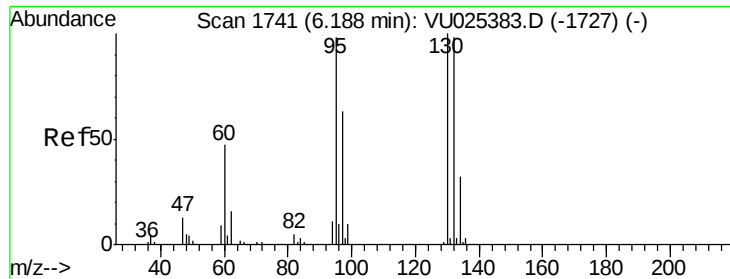
Tot Ion: 96 Resp: 5874371
 Ion Ratio Lower Upper
 96 100
 61 130.4 93.4 173.6
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 23.163 ug/L
 RT: 4.27 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VU025397.D
 Acq: 13 Jul 2018 17:29

Tgt Ion: 43 Resp: 46414
 Ion Ratio Lower Upper
 43 100
 72 146.7 13.7 41.0#





#34

Trichloroethene

Concen: 32.635 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 78710

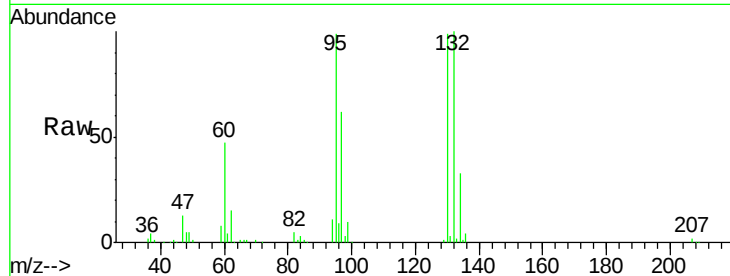
Ion Ratio Lower Upper

95 100

97 62.3 44.1 81.9

132 101.3 70.2 130.4

130 100.4 71.7 133.1

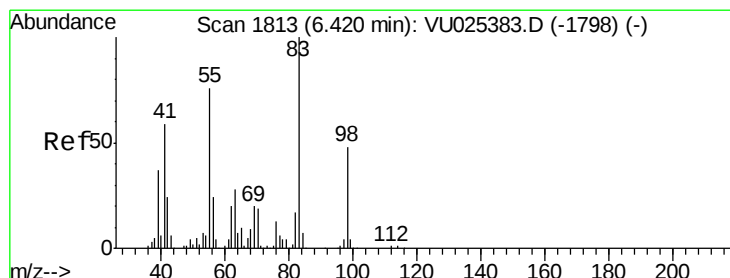
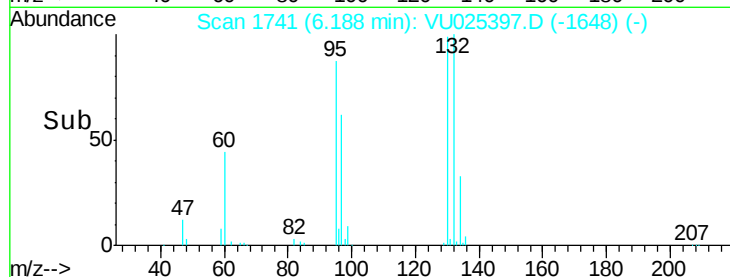
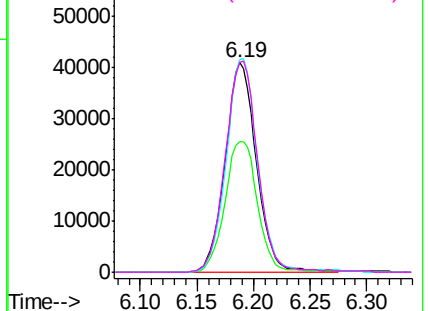


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 6.622 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.09 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:29

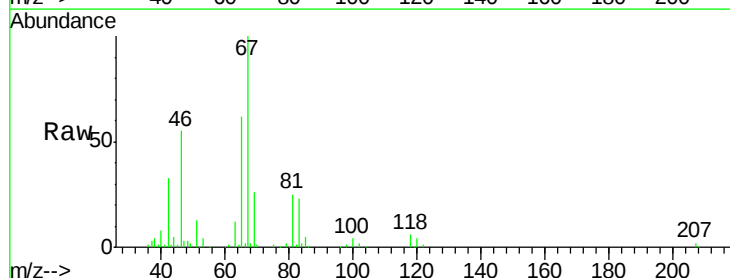
Tgt Ion: 83 Resp: 26652

Ion Ratio Lower Upper

83 100

55 0.2 61.8 92.6#

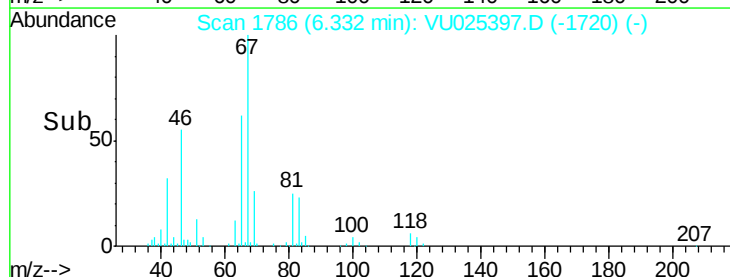
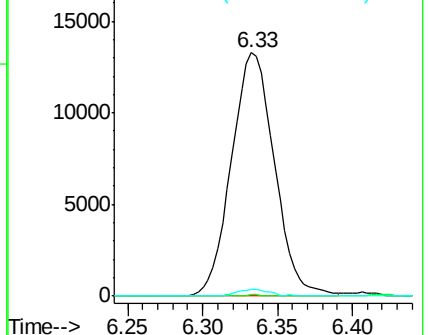
98 1.9 37.4 56.0#

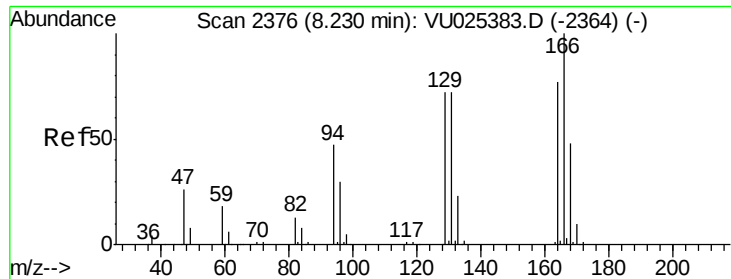


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#46

Tetrachloroethene

Concen: 93.890 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 191685

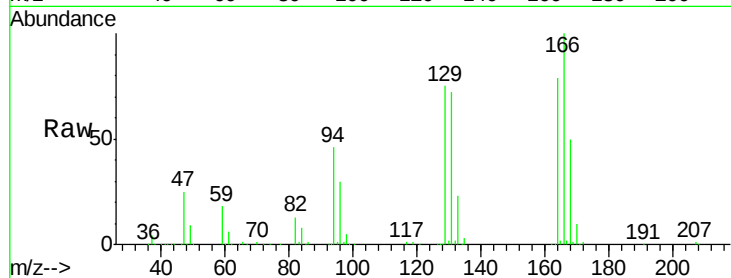
Ion Ratio Lower Upper

164 100

129 95.1 66.1 122.8

131 91.7 62.7 116.5

166 127.2 88.8 165.0



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

