

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035395.D
 Acq On : 23 Oct 2019 05:58
 Operator : JC/SP
 Sample : K5458-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0K32

Quant Time: Oct 23 08:28:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:10:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	236999	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	237242	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	84671	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91602	6.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	126.80%
7) Chloroethane-d5	1.93	69	83212	6.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	126.00%
11) 1,1-Dichloroethene-d2	2.60	63	231686	8.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	173.40%#
20) 2-Butanone-d5	4.71	46	242534	58.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.80%
24) Chloroform-d	5.11	84	160137	6.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.20%
26) 1,2-Dichloroethane-d4	5.75	65	89952	6.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.00%
32) Benzene-d6	5.77	84	304377	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
36) 1,2-Dichloropropane-d6	6.74	67	104568	6.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.40%
41) Toluene-d8	7.93	98	253444	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	8.21	79	36610	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.68	63	176938	47.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.98%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	87783	5.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	86009	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

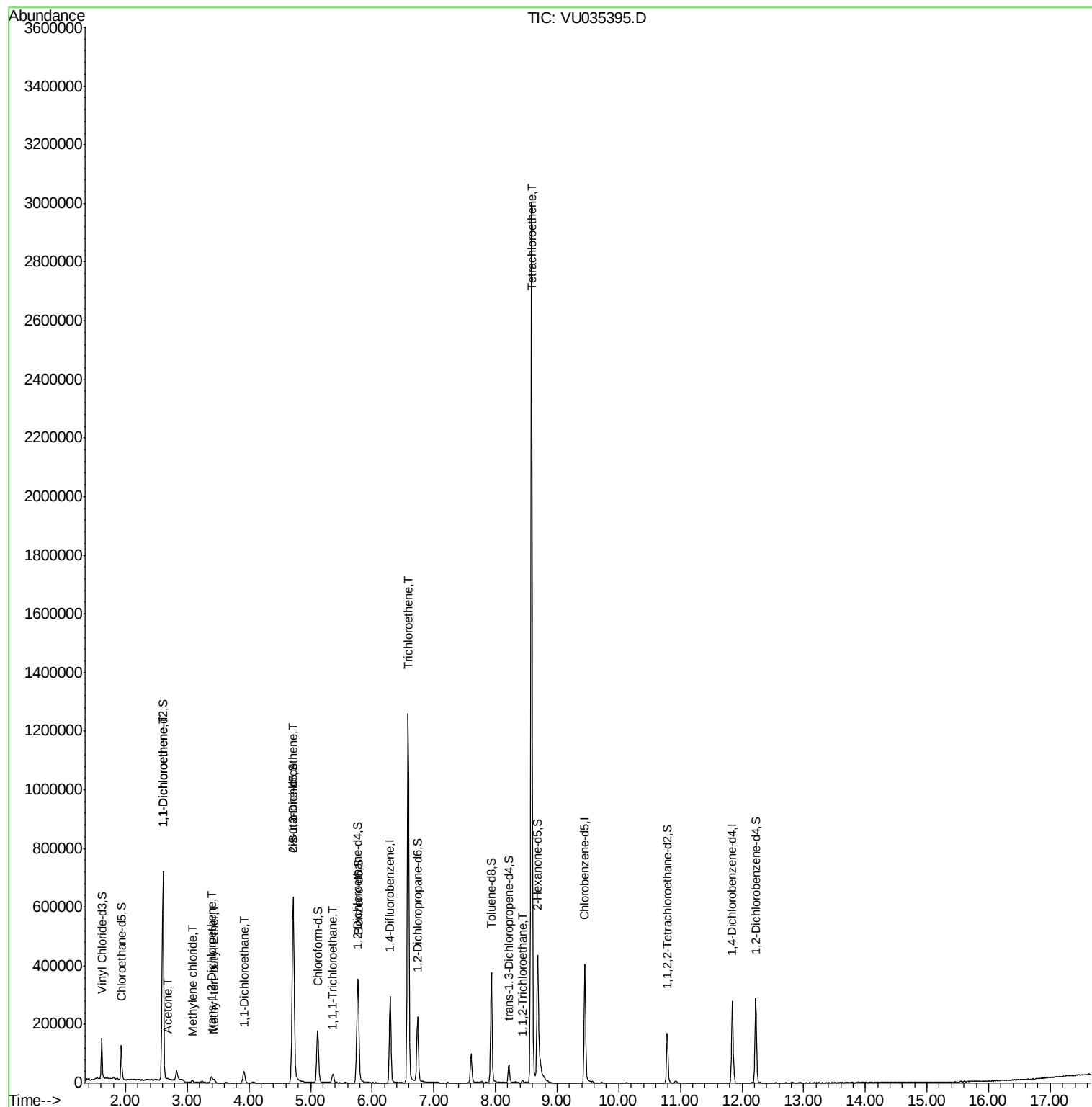
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	198465	13.035	ug/L	81
13) Acetone	2.68	43	5592	1.936	ug/L	96
16) Methylene chloride	3.08	84	3023	0.165	ug/L	92
17) Methyl tert-butyl Ether	3.43	73	11955	0.292	ug/L #	87
18) trans-1,2-Dichloroethene	3.39	96	9216	0.561	ug/L	90
19) 1,1-Dichloroethane	3.92	63	45777	1.540	ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	267171	14.711	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	20211	0.727	ug/L	95
34) Trichloroethene	6.58	95	428114	22.812	ug/L	97
45) 1,1,2-Trichloroethane	8.44	97	2620	0.199	ug/L	89
47) Tetrachloroethene	8.58	164	675680	43.217	ug/L	98

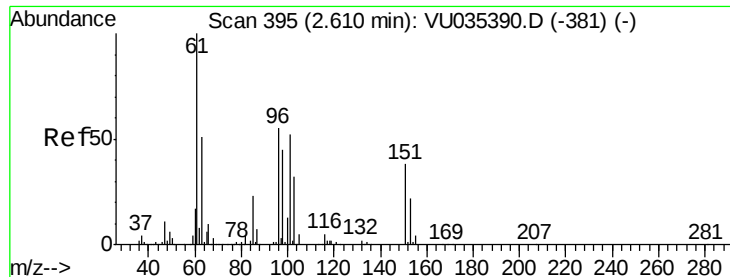
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 13.035 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035395.D

Acq: 23 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampleId :

C0K32

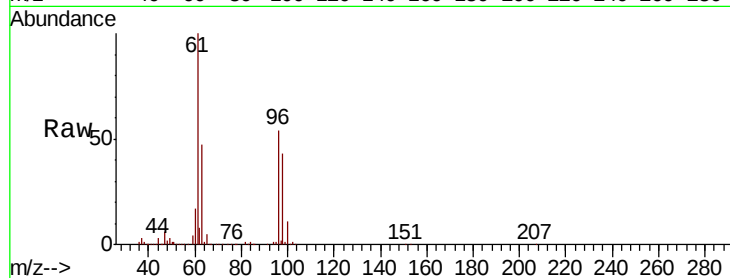
Tot Ion: 96 Resp: 198465

Ion Ratio Lower Upper

96 100

61 185.1 120.6 224.0

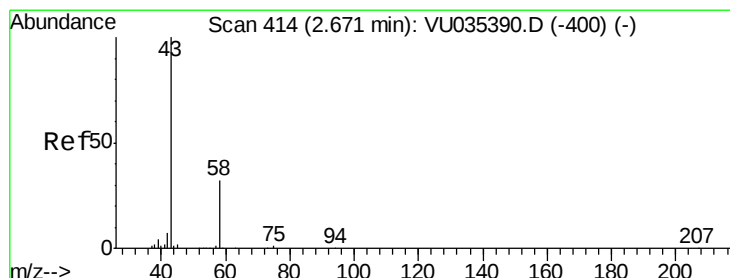
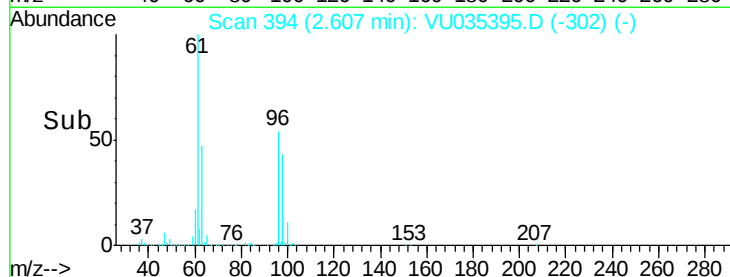
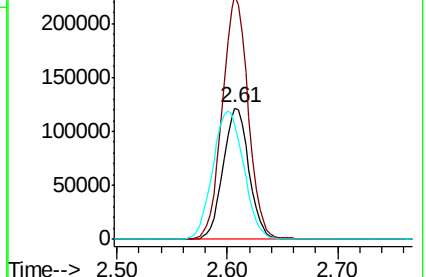
63 87.2 86.8 161.2



Abundance Ion 96.00 (95.70 to 96.70): VU035395.D (-302) (-)

Ion 61.05 (60.75 to 61.75): VU035395.D (-302) (-)

Ion 63.00 (62.70 to 63.70): VU035395.D (-302) (-)



#13

Acetone

Concen: 1.936 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU035395.D

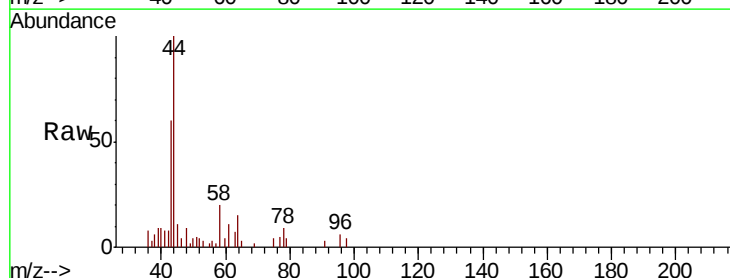
Acq: 23 Oct 2019 05:58

Tgt Ion: 43 Resp: 5592

Ion Ratio Lower Upper

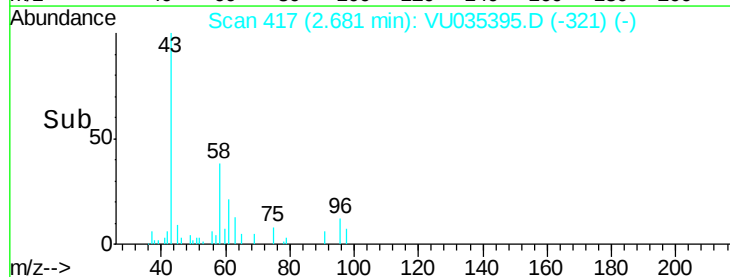
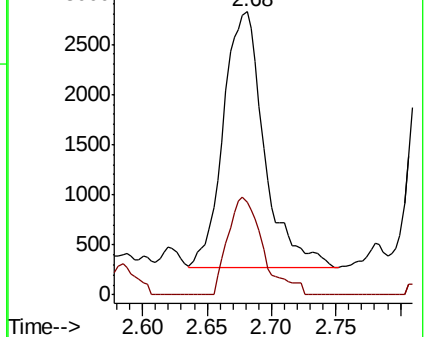
43 100

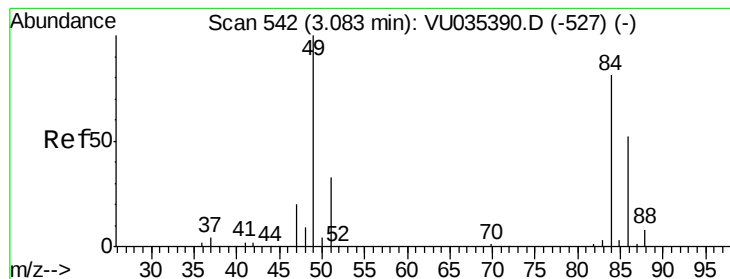
58 33.0 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035395.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU035395.D (-321) (-)





#16

Methylene chloride

Concen: 0.165 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035395.D

Acq: 23 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampleId :

C0K32

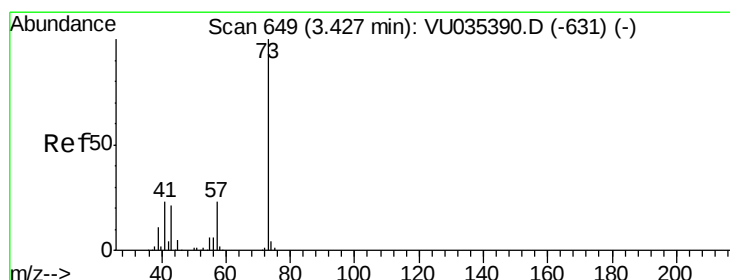
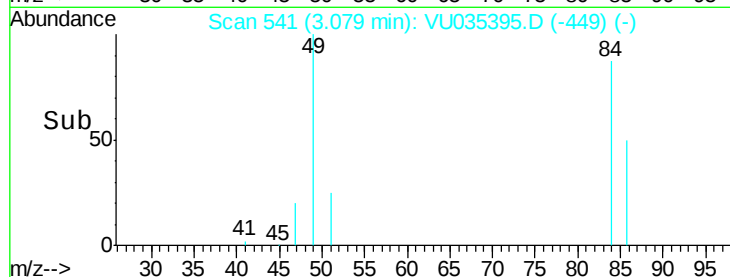
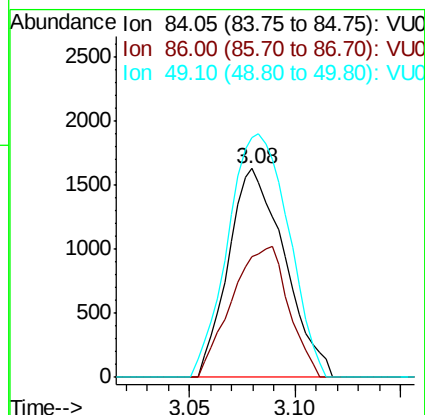
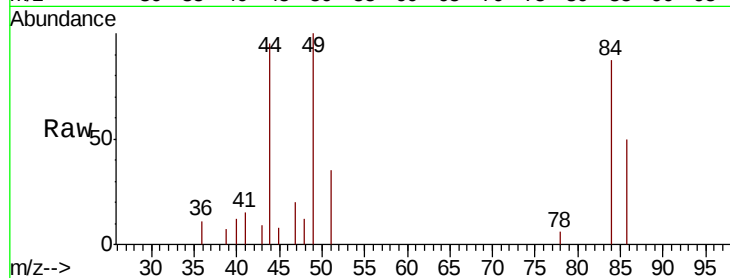
Tot Ion: 84 Resp: 3023

Ion Ratio Lower Upper

84 100

86 57.7 45.4 84.2

49 115.3 86.8 161.2



#17

Methyl tert-butyl Ether

Concen: 0.292 ug/L

RT: 3.43 min Scan# 651

Delta R.T. 0.01 min

Lab File: VU035395.D

Acq: 23 Oct 2019 05:58

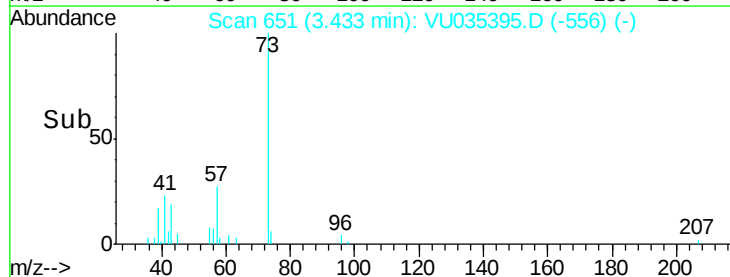
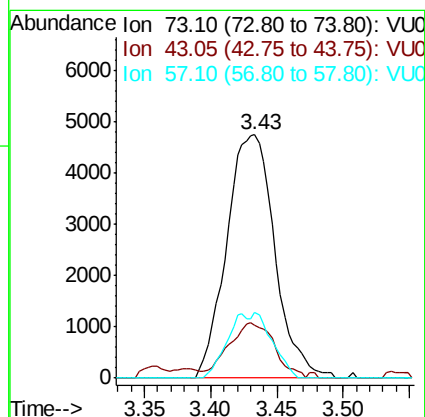
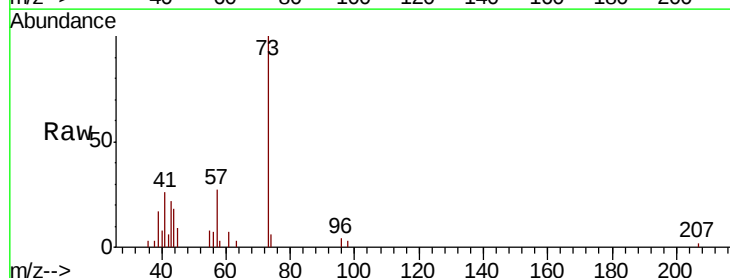
Tgt Ion: 73 Resp: 11955

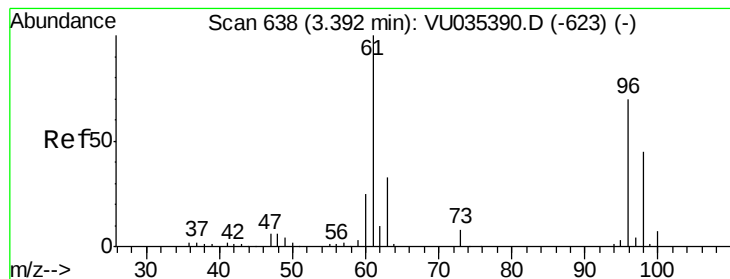
Ion Ratio Lower Upper

73 100

43 21.7 16.0 24.0

57 11.5 17.4 26.2#





#18

trans-1,2-Dichloroethene

Concen: 0.561 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU035395.D

Acq: 23 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampleId :

C0K32

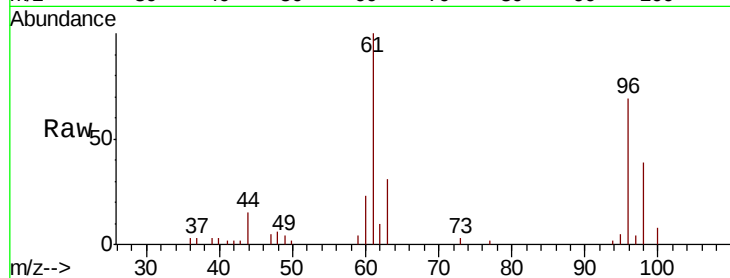
Tot Ion: 96 Resp: 9216

Ion Ratio Lower Upper

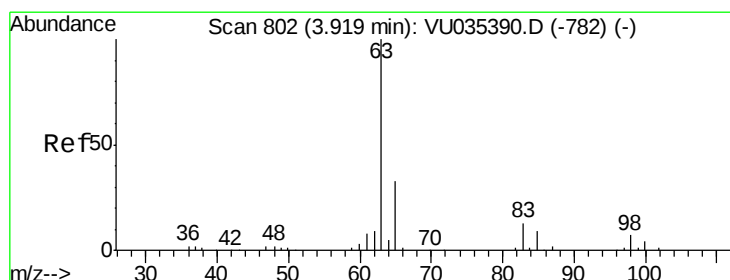
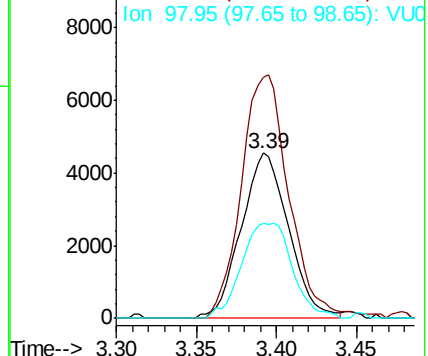
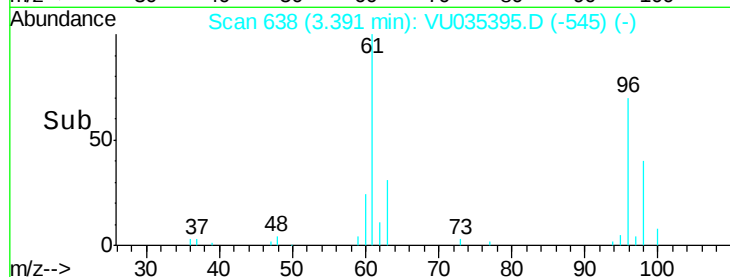
96 100

61 145.8 93.0 172.6

98 57.4 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035395.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 1.540 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU035395.D

Acq: 23 Oct 2019 05:58

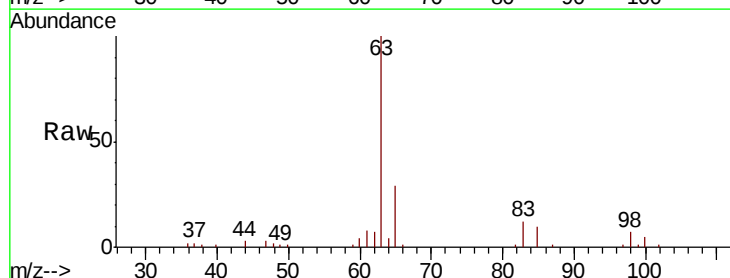
Tgt Ion: 63 Resp: 45777

Ion Ratio Lower Upper

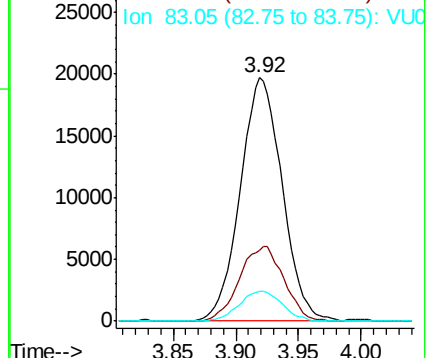
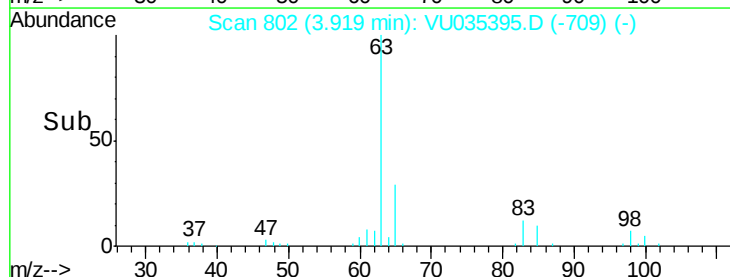
63 100

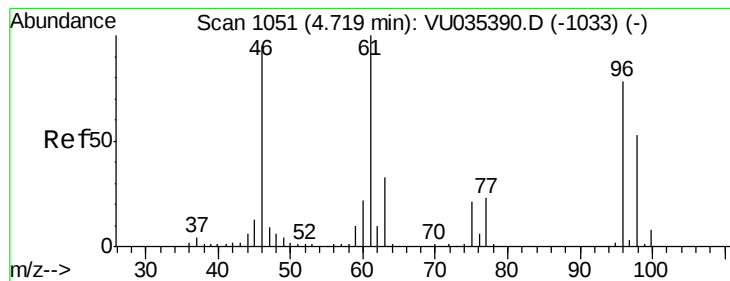
65 29.0 22.4 41.6

83 12.3 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035395.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 14.711 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035395.D

Acq: 23 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampleId :

C0K32

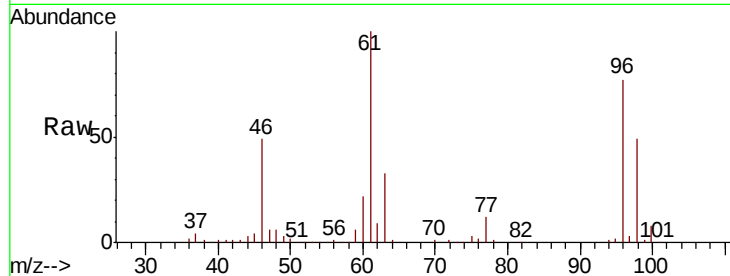
Tot Ion: 96 Resp: 267171

Ion Ratio Lower Upper

96 100

61 129.7 89.7 166.5

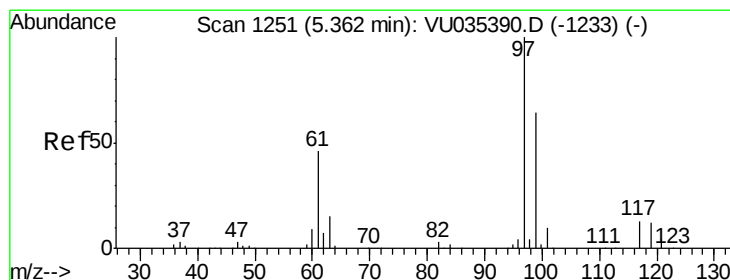
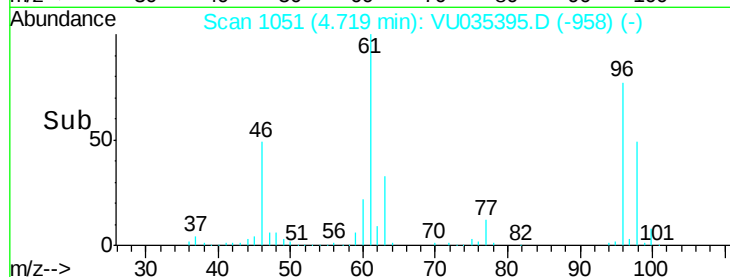
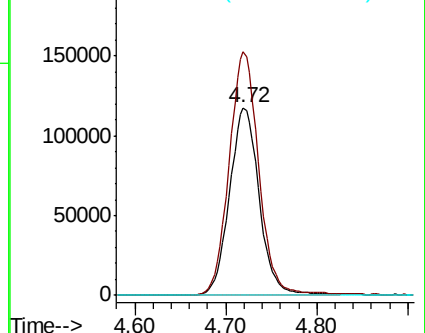
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035395.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035395.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035395.D (-958) (-)



#29

1,1,1-Trichloroethane

Concen: 0.727 ug/L

RT: 5.36 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU035395.D

Acq: 23 Oct 2019 05:58

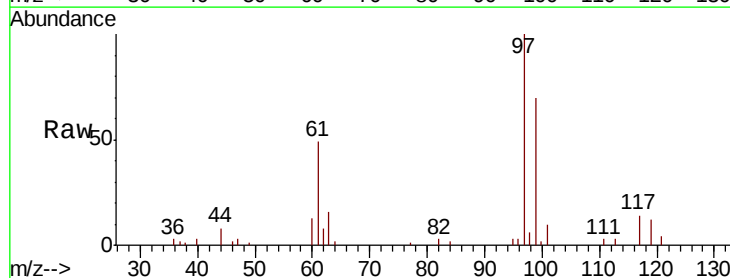
Tgt Ion: 97 Resp: 20211

Ion Ratio Lower Upper

97 100

99 68.4 52.6 79.0

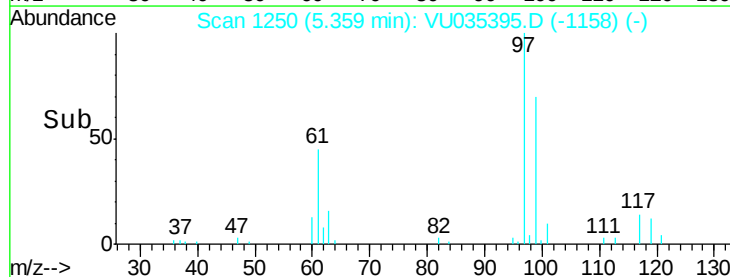
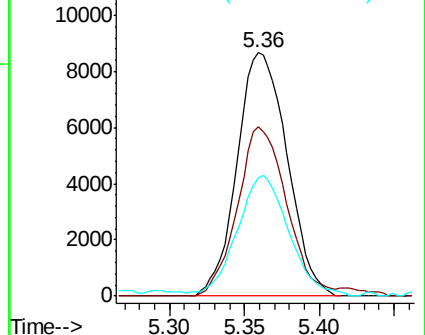
61 51.1 37.0 55.4

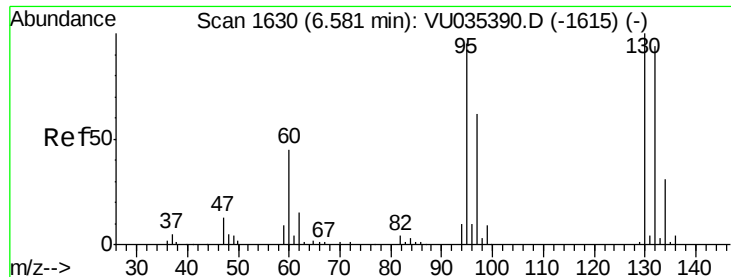


Abundance Ion 96.95 (96.65 to 97.65): VU035395.D (-1158) (-)

Ion 99.05 (98.75 to 99.75): VU035395.D (-1158) (-)

Ion 61.05 (60.75 to 61.75): VU035395.D (-1158) (-)





#34

Trichloroethene

Concen: 22.812 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035395.D

Acq: 23 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampleId :

C0K32

Tot Ion: 95 Resp: 428114

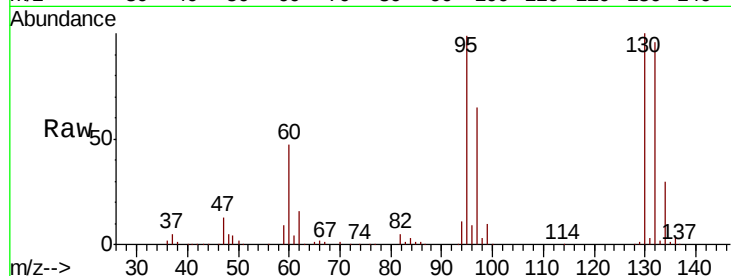
Ion Ratio Lower Upper

95 100

97 65.2 46.6 86.6

132 96.4 68.7 127.7

130 100.5 73.9 137.3

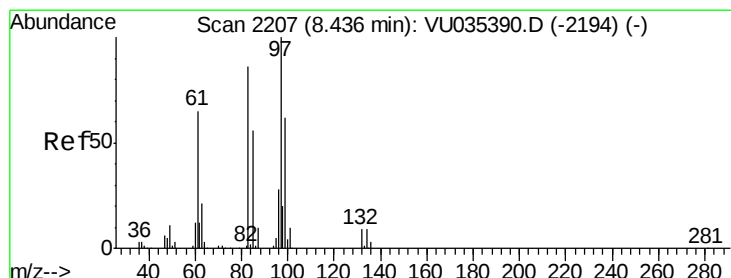
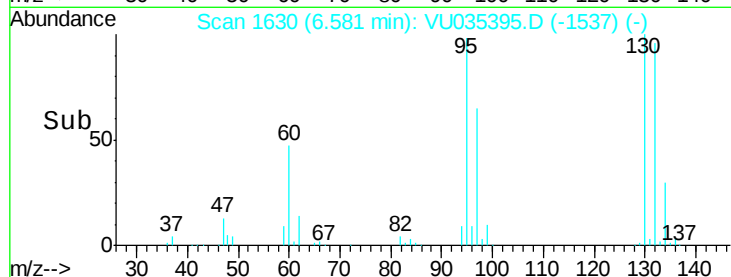
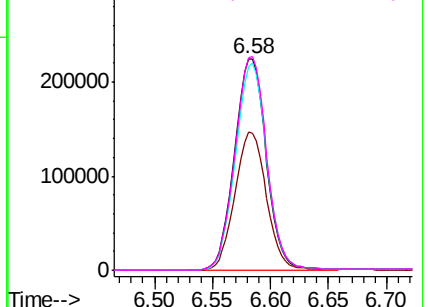


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#45

1,1,2-Trichloroethane

Concen: 0.199 ug/L

RT: 8.44 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VU035395.D

Acq: 23 Oct 2019 05:58

Tgt Ion: 97 Resp: 2620

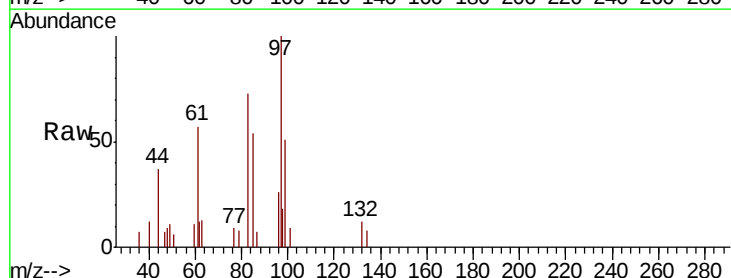
Ion Ratio Lower Upper

97 100

99 50.6 42.9 79.7

83 73.0 60.4 112.2

85 53.7 38.4 71.2

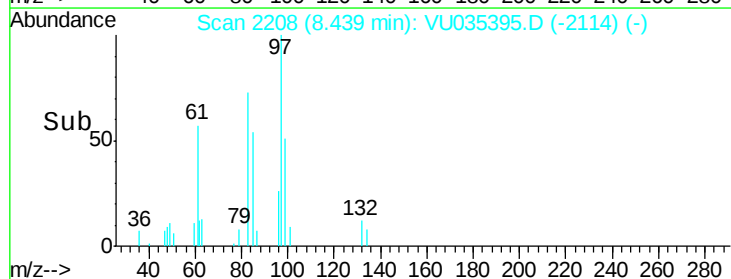
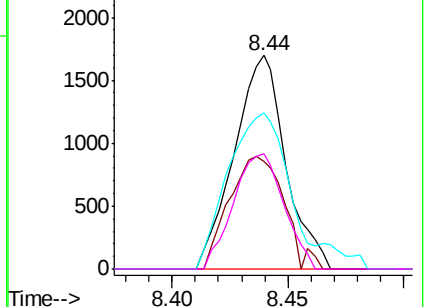


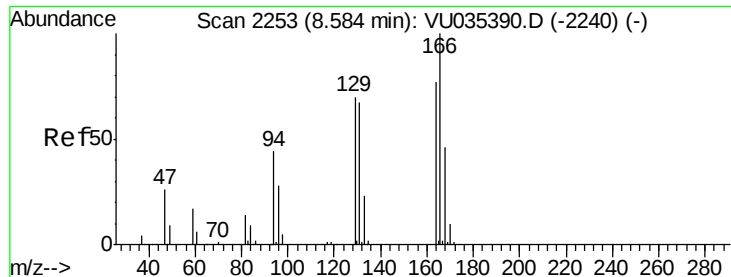
Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0





#47

Tetrachloroethene

Concen: 43.217 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035395.D

Acq: 23 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampleId :

C0K32

Tot Ion:164 Resp: 675680

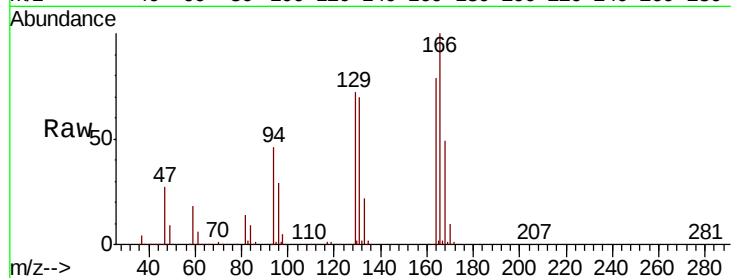
Ion Ratio Lower Upper

164 100

129 92.0 65.2 121.0

131 89.2 62.9 116.9

166 127.2 91.5 169.9



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

