

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035401.D
 Acq On : 23 Oct 2019 11:19
 Operator : JC/SP
 Sample : K5458-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0K31

Quant Time: Oct 23 17:32:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 17:16:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	244660	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	247316	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	79083	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	64550	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.94	69	67411	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.60	63	125799	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.20%
20) 2-Butanone-d5	4.70	46	231696	54.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.10%
24) Chloroform-d	5.11	84	147484	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.75	65	83059	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%
32) Benzene-d6	5.77	84	275824	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.73	67	97125	5.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.20%
41) Toluene-d8	7.93	98	234678	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.21	79	35031	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.69	63	174631	45.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.88%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	85159	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	70624	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

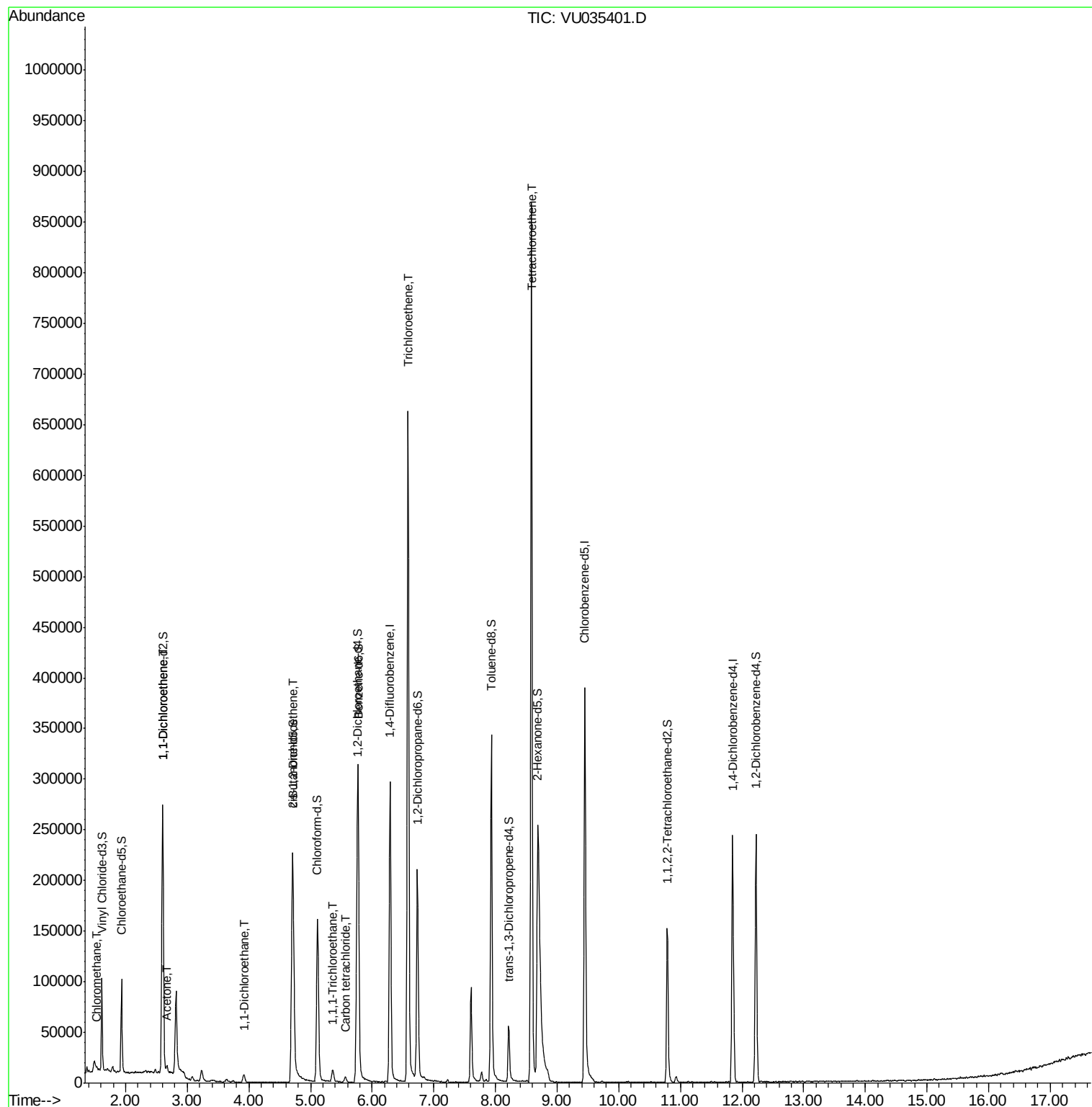
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.54	50	2146	0.104	ug/L	100
12) 1,1-Dichloroethene	2.61	96	55420	3.526	ug/L	85
13) Acetone	2.67	43	5511	1.848	ug/L	85
19) 1,1-Dichloroethane	3.92	63	8576	0.280	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	56975	3.039	ug/L	96
29) 1,1,1-Trichloroethane	5.37	97	8266	0.285	ug/L	96
31) Carbon tetrachloride	5.57	117	3575	0.137	ug/L	94
34) Trichloroethene	6.58	95	230555	11.785	ug/L	97
47) Tetrachloroethene	8.58	164	194946	11.961	ug/L	99

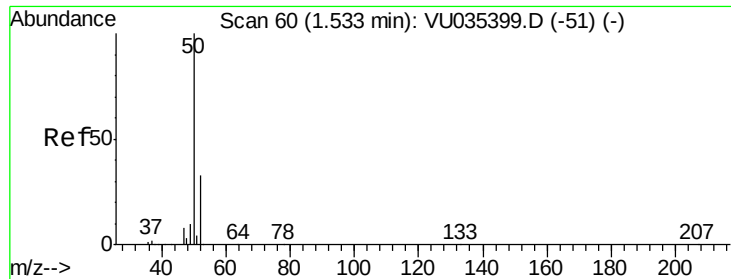
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 17:16:19 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.104 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035401.D

Acq: 23 Oct 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

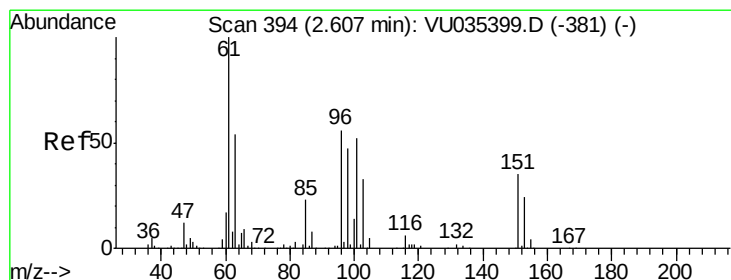
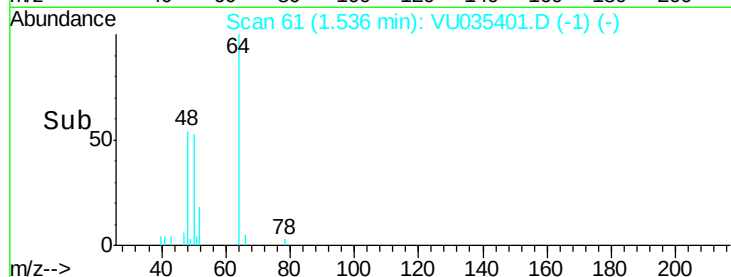
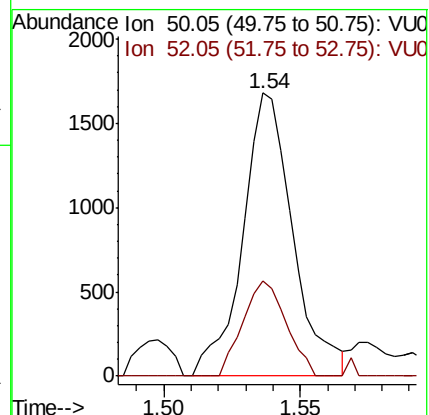
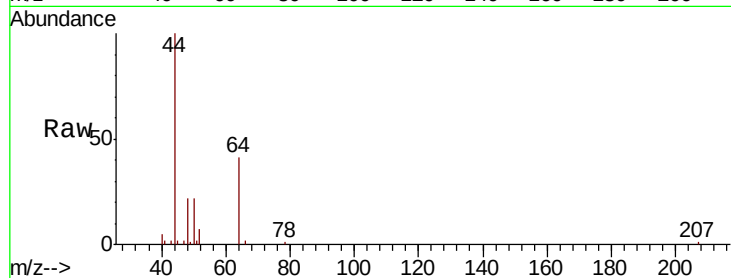
C0K31

Tot Ion: 50 Resp: 2146

Ion Ratio Lower Upper

50 100

52 33.8 23.5 43.7



#12

1,1-Dichloroethene

Concen: 3.526 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035401.D

Acq: 23 Oct 2019 11:19

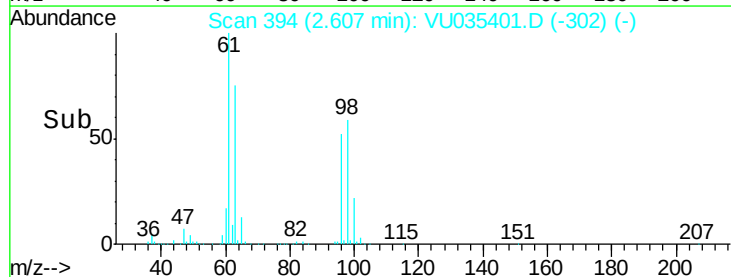
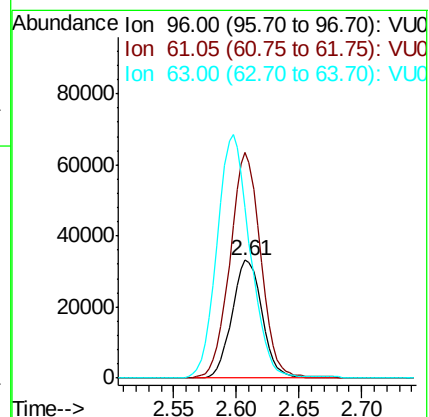
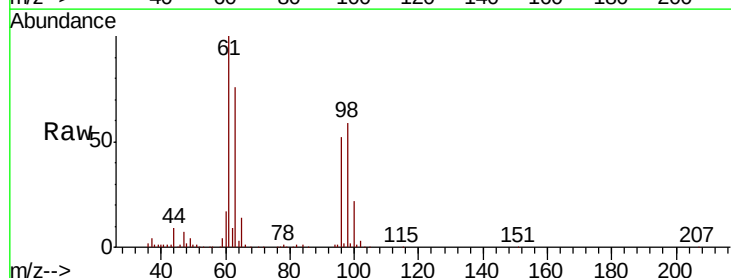
Tgt Ion: 96 Resp: 55420

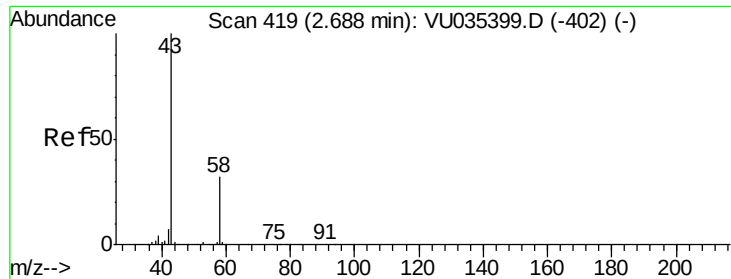
Ion Ratio Lower Upper

96 100

61 191.0 120.6 224.0

63 144.5 86.8 161.2





#13

Acetone

Concen: 1.848 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035401.D

Acq: 23 Oct 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

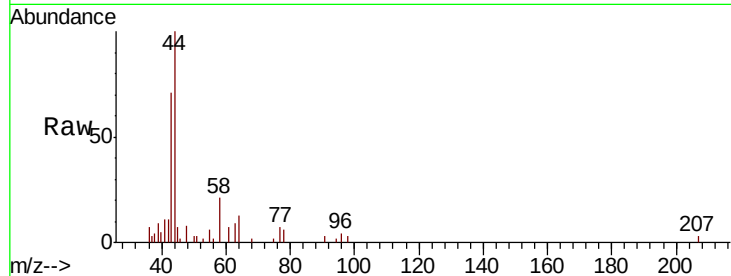
C0K31

Tot Ion: 43 Resp: 5511

Ion Ratio Lower Upper

43 100

58 39.0 0.0 61.8

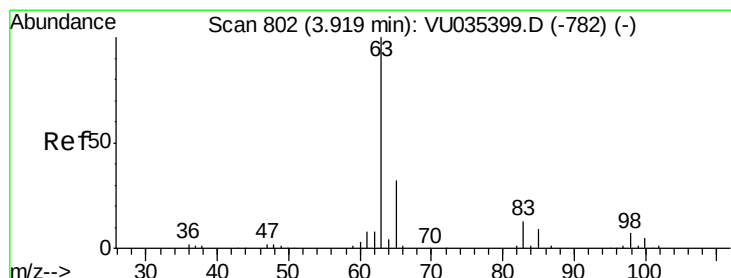
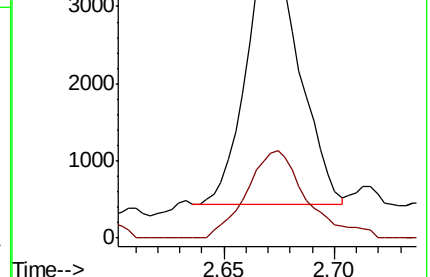
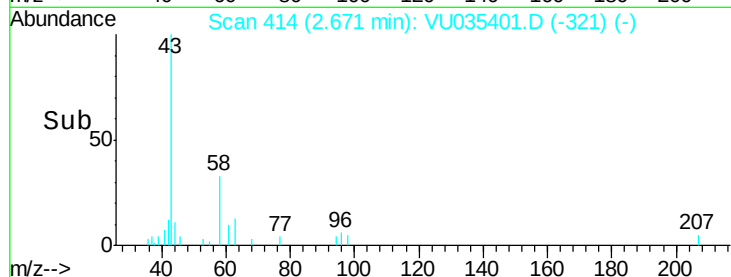


Abundance Ion 43.05 (42.75 to 43.75): VU035399.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035399.D (-402) (-)

2.67

Time-->



#19

1,1-Dichloroethane

Concen: 0.280 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035401.D

Acq: 23 Oct 2019 11:19

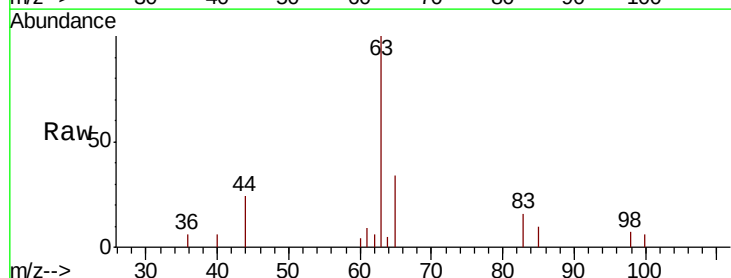
Tgt Ion: 63 Resp: 8576

Ion Ratio Lower Upper

63 100

65 33.7 22.4 41.6

83 15.7 9.3 17.3



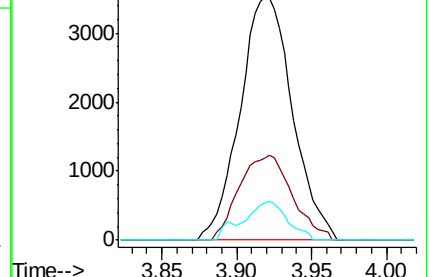
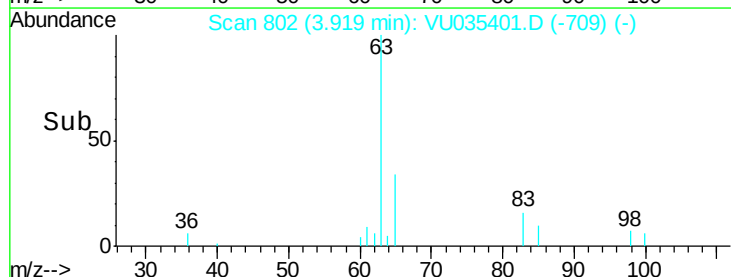
Abundance Ion 63.10 (62.80 to 63.80): VU035399.D (-782) (-)

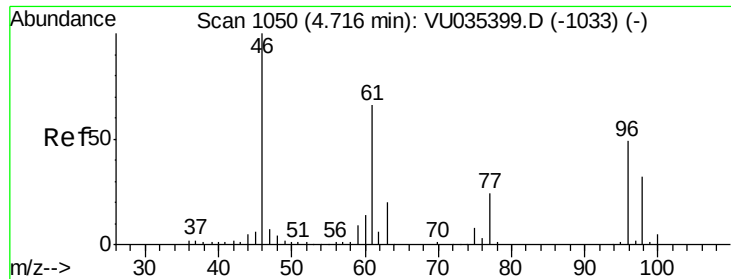
Ion 65.10 (64.80 to 65.80): VU035399.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU035399.D (-782) (-)

3.92

Time-->





#22

cis-1,2-Dichloroethene

Concen: 3.039 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035401.D

Acq: 23 Oct 2019 11:19

Instrument :

MSVOA_U

ClientSampled :

C0K31

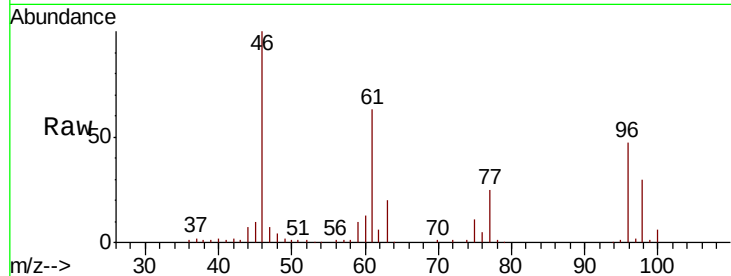
Tot Ion: 96 Resp: 56975

Ion Ratio Lower Upper

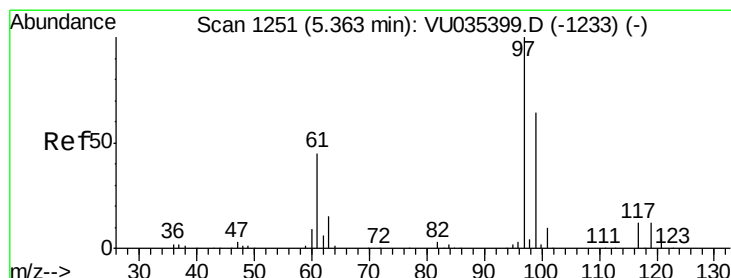
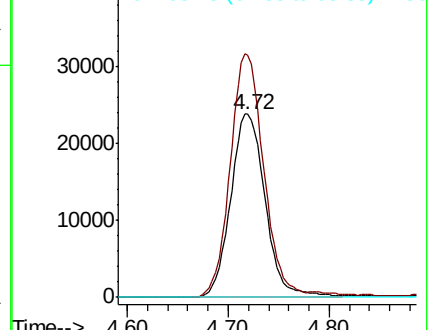
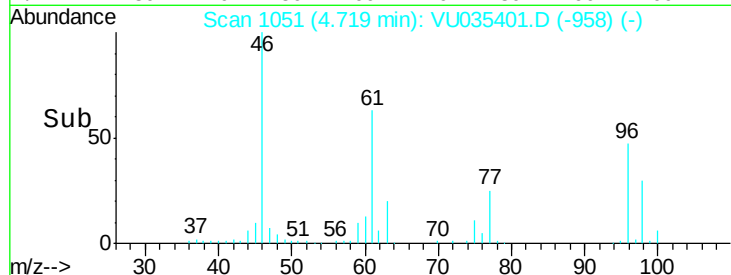
96 100

61 132.4 89.7 166.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035401.D (-958) (-)



#29

1,1,1-Trichloroethane

Concen: 0.285 ug/L

RT: 5.37 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU035401.D

Acq: 23 Oct 2019 11:19

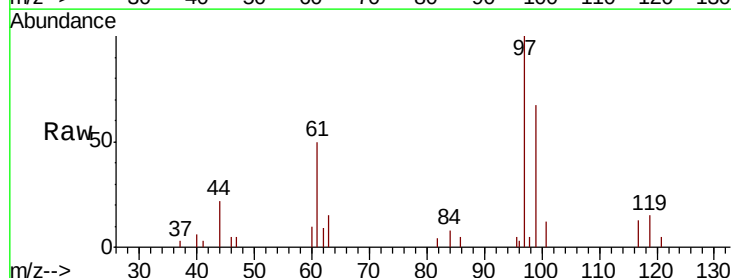
Tgt Ion: 97 Resp: 8266

Ion Ratio Lower Upper

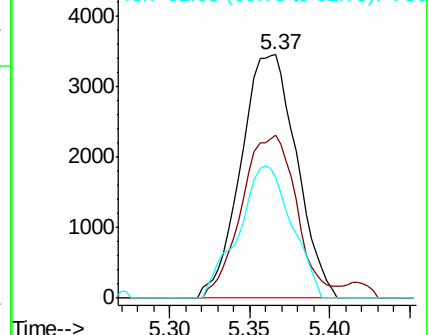
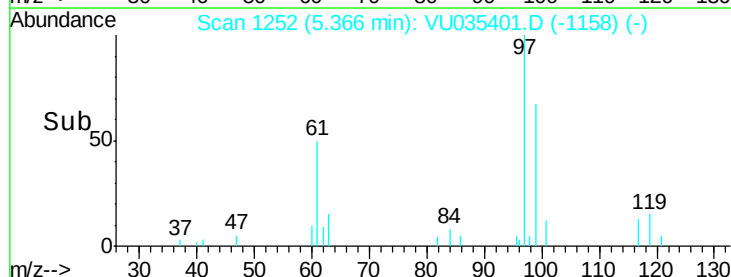
97 100

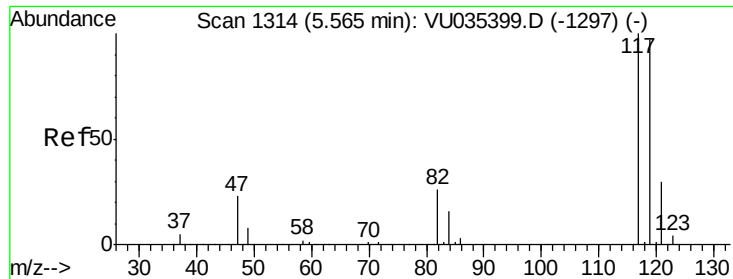
99 66.1 52.6 79.0

61 51.7 37.0 55.4



Abundance Ion 96.95 (96.65 to 97.65): VU035401.D (-1158) (-)





#31

Carbon tetrachloride

Concen: 0.137 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035401.D

Acq: 23 Oct 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

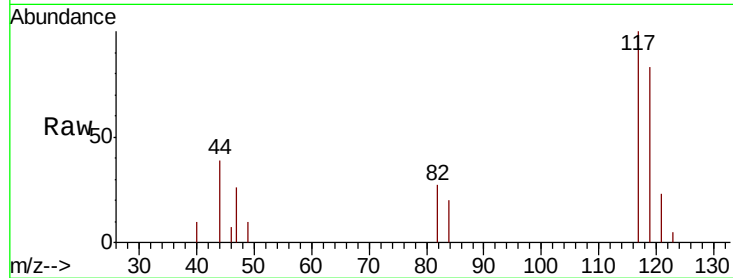
C0K31

Tot Ion:117 Resp: 3575

Ion Ratio Lower Upper

117 100

119 90.6 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

2000

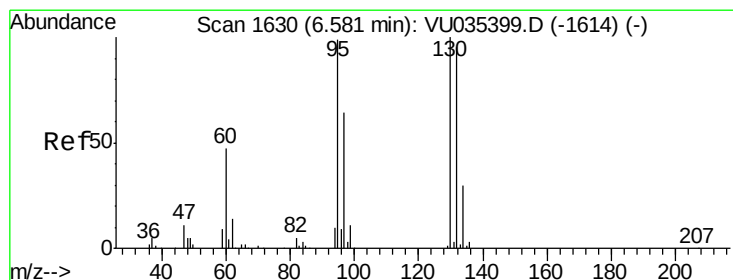
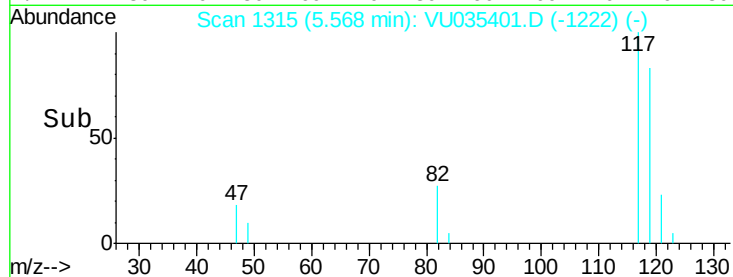
1500

1000

500

0

Time-->



#34

Trichloroethene

Concen: 11.785 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035401.D

Acq: 23 Oct 2019 11:19

Tgt Ion: 95 Resp: 230555

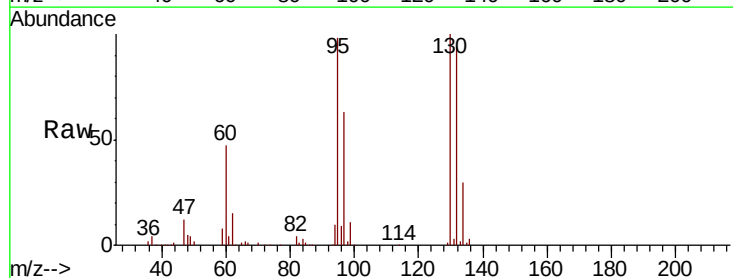
Ion Ratio Lower Upper

95 100

97 64.1 46.6 86.6

132 96.4 68.7 127.7

130 102.0 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): V

Ion 129.95 (129.65 to 130.65): V

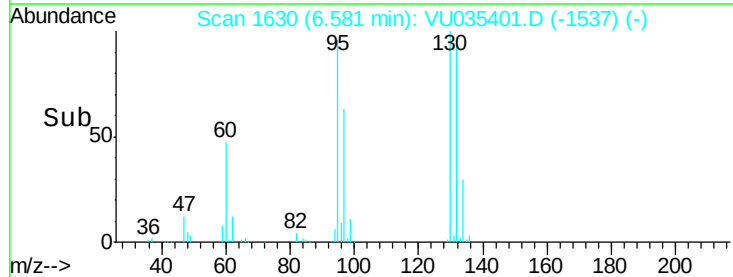
150000

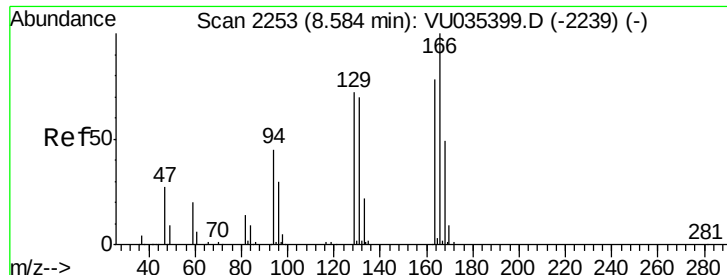
100000

50000

0

Time-->





#47

Tetrachloroethene

Concen: 11.961 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035401.D

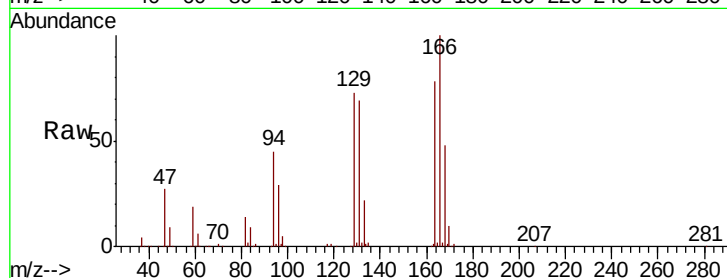
Acq: 23 Oct 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

C0K31



Tot Ion:164 Resp: 194946

Ion Ratio Lower Upper

164 100

129 93.4 65.2 121.0

131 88.4 62.9 116.9

166 128.0 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

