

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030724.D
 Acq On : 05 Apr 2019 07:38
 Operator : JC/SP
 Sample : K2249-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD9

Quant Time: Apr 05 08:39:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 08:33:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	493526	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	481159	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	201921	50.00	ug/L	0.00

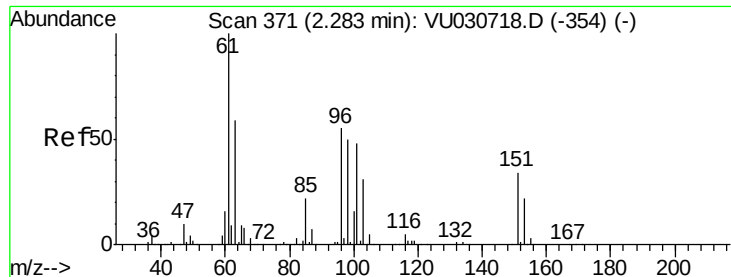
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	214881	48.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.54%
7) Chloroethane-d5	1.68	69	163443	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.76%
11) 1,1-Dichloroethene-d2	2.27	63	292281	36.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.36%
21) 2-Butanone-d5	4.17	46	327379	93.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.76%
24) Chloroform-d	4.64	84	306607	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.12%
26) 1,2-Dichloroethane-d4	5.31	65	218977	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
32) Benzene-d6	5.34	84	662533	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
36) 1,2-Dichloropropane-d6	6.32	67	224547	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.30%
41) Toluene-d8	7.56	98	568920	45.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.38%
43) trans-1,3-Dichloropropene-	7.85	79	92708	42.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.48%
47) 2-Hexanone-d5	8.31	63	196219	89.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	298837	46.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	196033	49.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2281	0.645	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	5091	1.492	ug/L #	1
13) Acetone	2.32	43	14119	3.952	ug/L	85
19) 1,1-Dichloroethane	3.45	63	10720	1.434	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	4245	1.061	ug/L	95
25) Chloroform	4.67	83	15231	2.027	ug/L	95
30) 1,1,1-Trichloroethane	4.91	97	26237	4.474	ug/L #	68
31) Carbon tetrachloride	4.91	117	3261	0.645	ug/L #	55
34) Trichloroethene	6.19	95	2202	0.570	ug/L #	78
46) Tetrachloroethene	8.23	164	2063	0.735	ug/L	88
59) 1,2,3-Trichloropropane	11.48	75	25702	4.813	ug/L	90

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.645 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030724.D

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Instrument :

MSVOA_U

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E3YD9

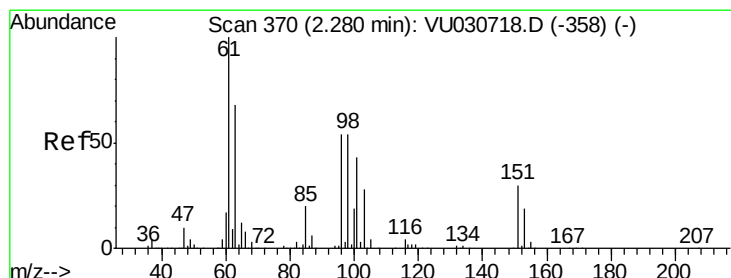
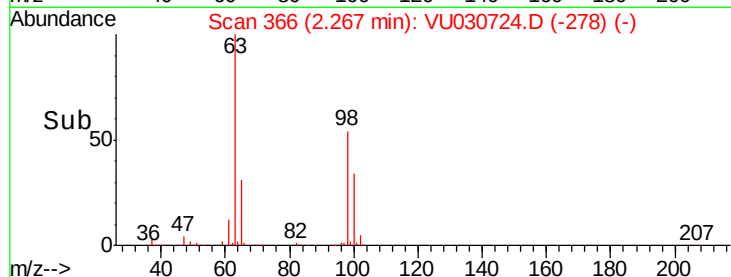
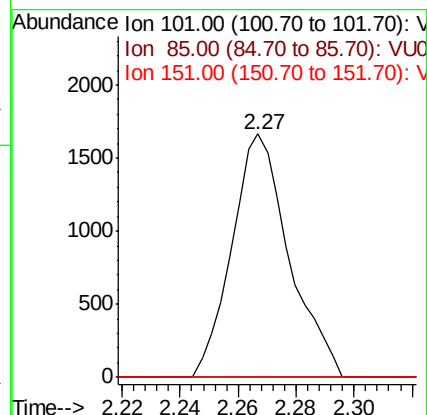
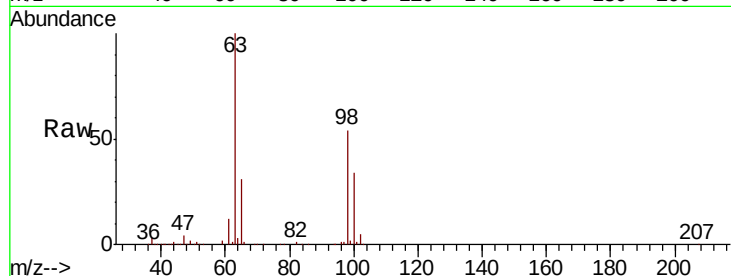
Tot Ion:101 Resp: 2281

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 57.4 86.0#



#12

1,1-Dichloroethene

Concen: 1.492 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU030724.D

Acq: 05 Apr 2019 07:38

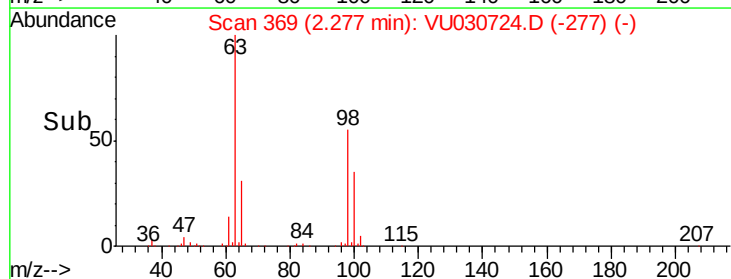
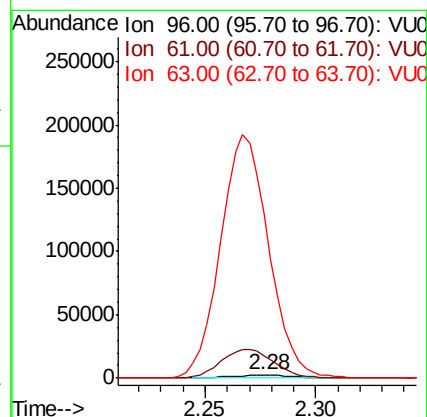
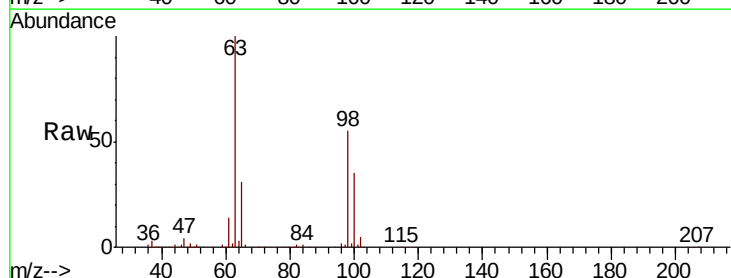
Tgt Ion: 96 Resp: 5091

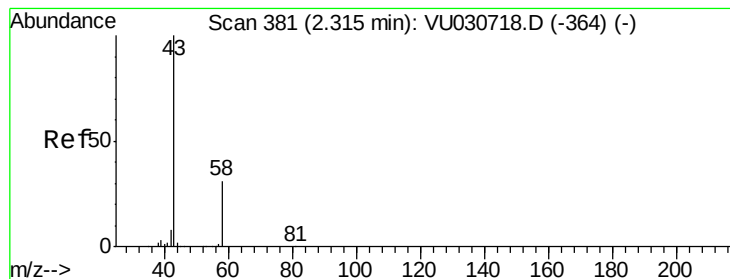
Ion Ratio Lower Upper

96 100

61 635.2 132.0 245.2#

63 4565.2 90.9 168.9#





#13

Acetone

Concen: 3.952 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030724.D

Acq: 05 Apr 2019 07:38

Instrument :

MSVOA_U

ClientSampleId :

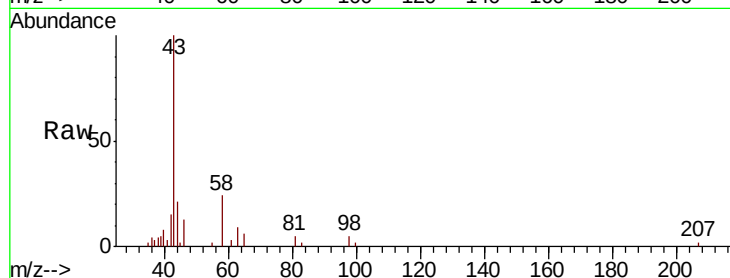
E3YD9

Tot Ion: 43 Resp: 14119

Ion Ratio Lower Upper

43 100

58 23.5 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030718.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU030718.D (-364) (-)

2.32

8000

6000

4000

2000

0

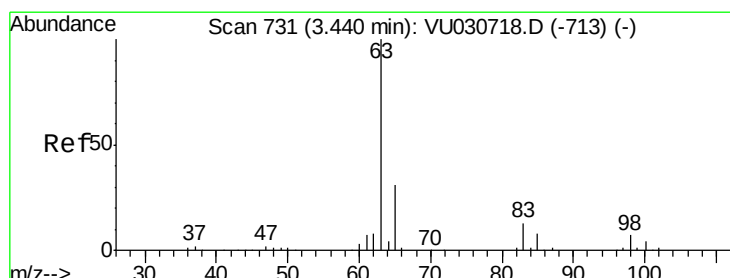
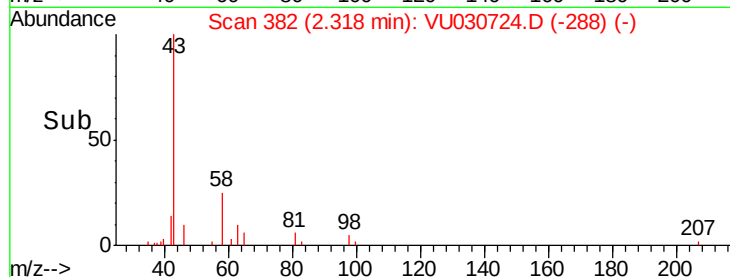
Time-->

2.25

2.30

2.35

2.40



#19

1,1-Dichloroethane

Concen: 1.434 ug/L

RT: 3.45 min Scan# 733

Delta R.T. 0.01 min

Lab File: VU030724.D

Acq: 05 Apr 2019 07:38

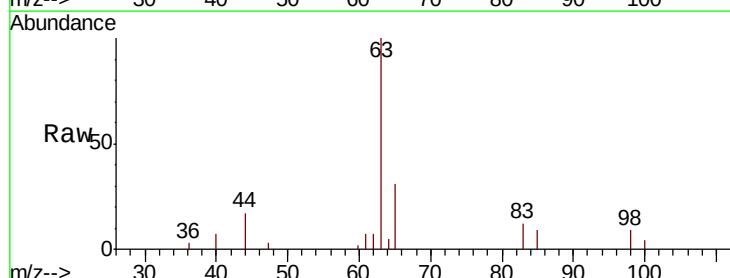
Tgt Ion: 63 Resp: 10720

Ion Ratio Lower Upper

63 100

65 30.8 21.4 39.8

83 12.1 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU030718.D (-713) (-)

Ion 65.00 (64.70 to 65.70): VU030718.D (-713) (-)

Ion 83.00 (82.70 to 83.70): VU030718.D (-713) (-)

6000

5000

4000

3000

2000

1000

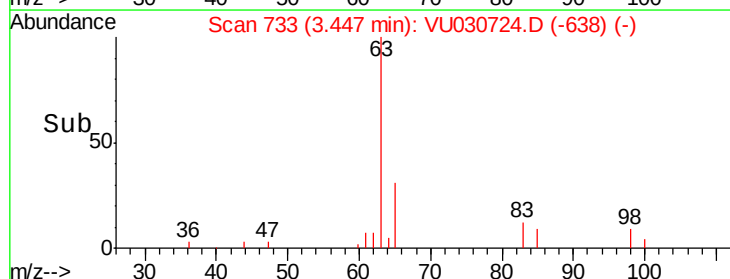
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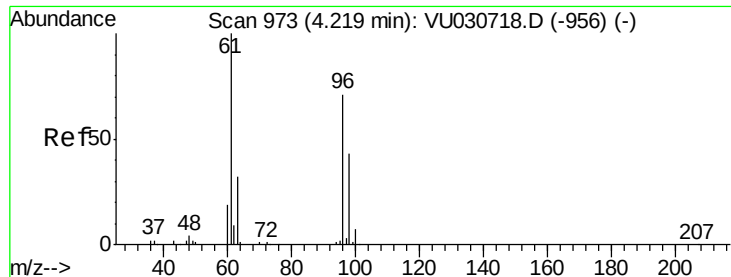
Time-->

3.40

3.45

3.50

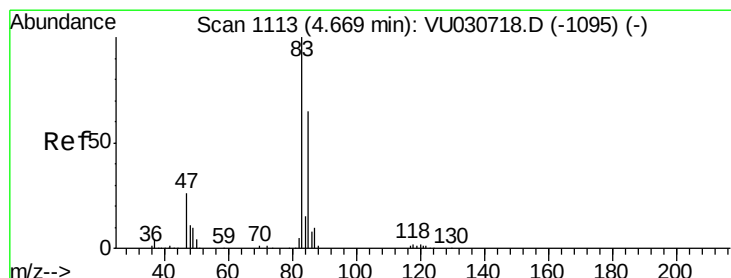
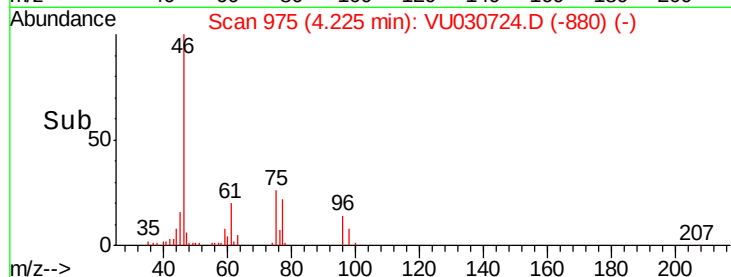
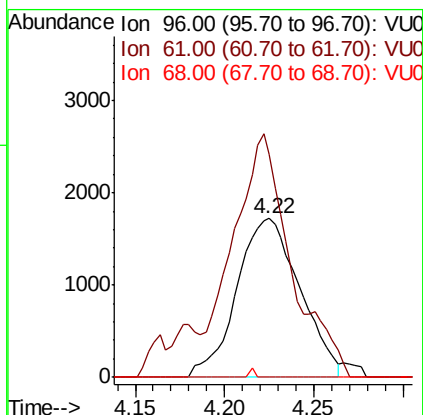
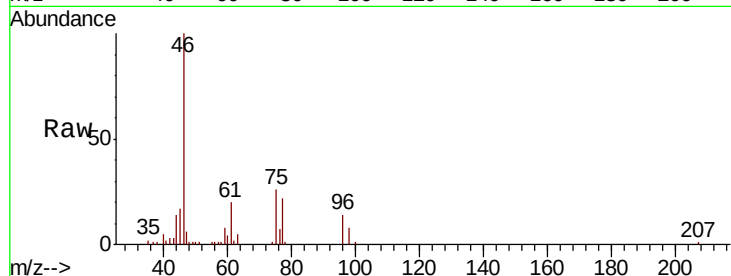




#20
 cis-1,2-Dichloroethene
 Concen: 1.061 ug/L
 RT: 4.22 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU030724.D
 Acq: 05 Apr 2019 07:38

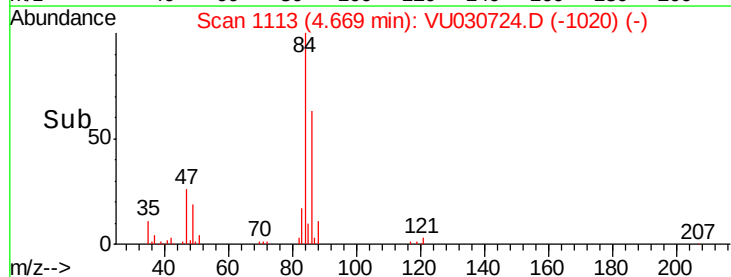
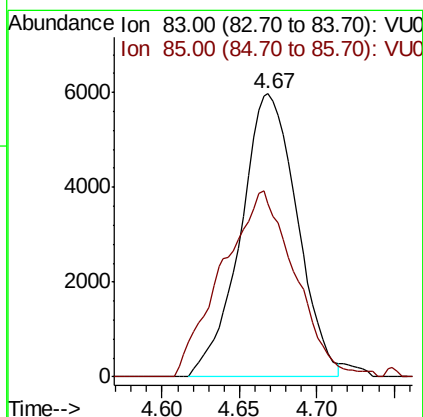
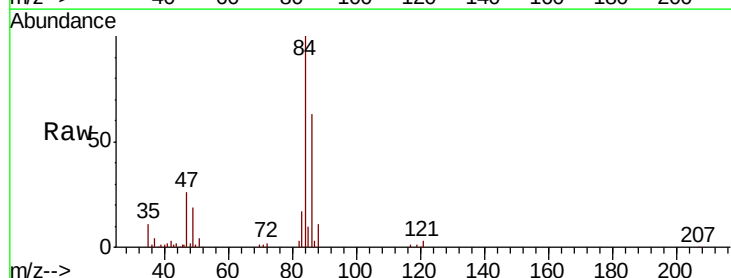
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD9

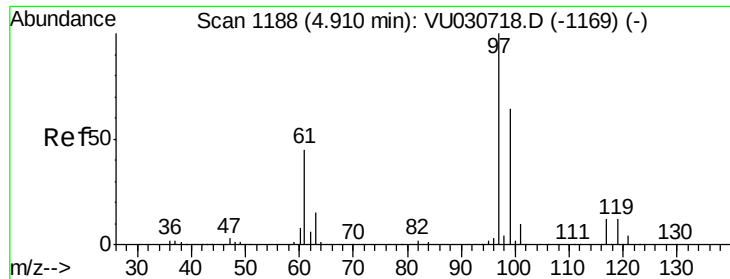
Tot Ion: 96 Resp: 4245
 Ion Ratio Lower Upper
 96 100
 61 140.7 102.9 191.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 2.027 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VU030724.D
 Acq: 05 Apr 2019 07:38

Tgt Ion: 83 Resp: 15231
 Ion Ratio Lower Upper
 83 100
 85 61.2 45.8 85.0

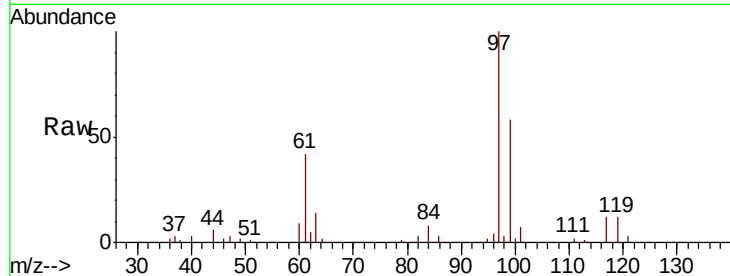




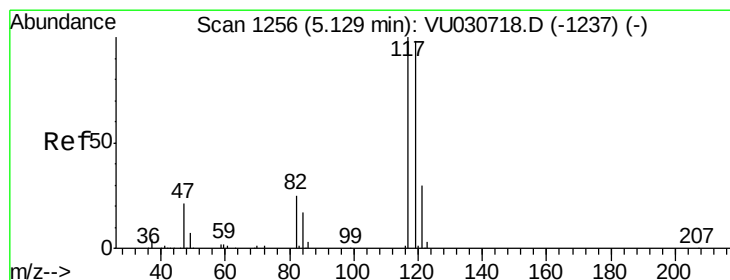
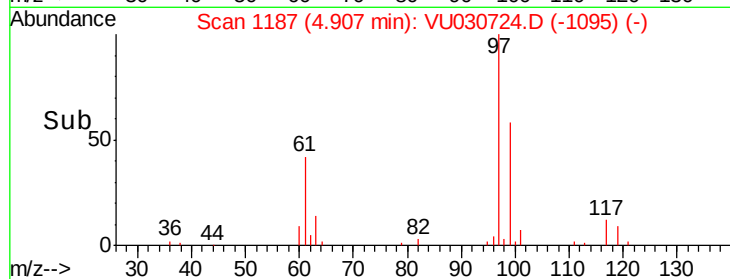
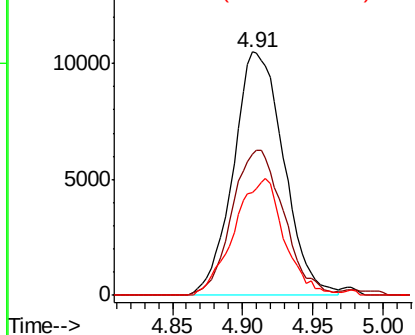
#30
 1,1,1-Trichloroethane
 Concen: 4.474 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU030724.D
 Acq: 05 Apr 2019 07:38

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD9

Tot Ion: 97 Resp: 26237
 Ion Ratio Lower Upper
 97 100
 99 61.2 51.4 77.2
 61 0.0 37.1 55.7#

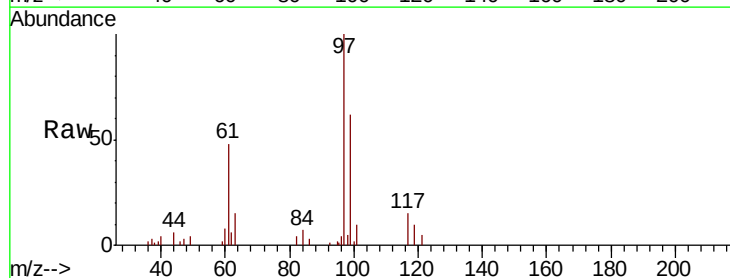


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

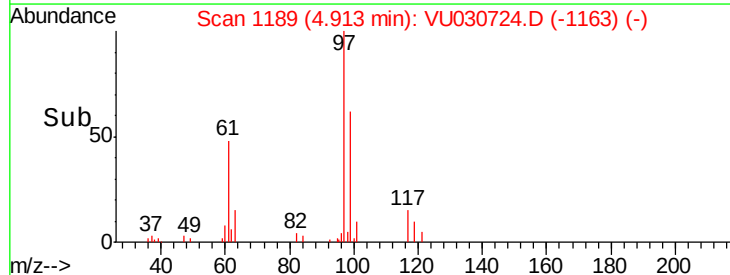
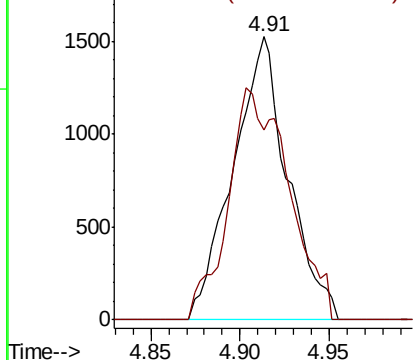


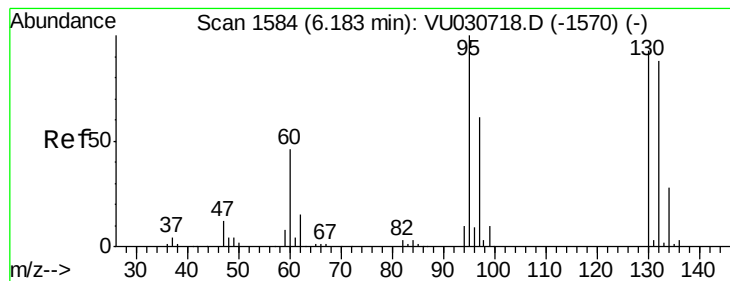
#31
 Carbon tetrachloride
 Concen: 0.645 ug/L
 RT: 4.91 min Scan# 1189
 Delta R.T. -0.22 min
 Lab File: VU030724.D
 Acq: 05 Apr 2019 07:38

Tgt Ion: 117 Resp: 3261
 Ion Ratio Lower Upper
 117 100
 119 51.9 76.2 114.2#



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#34

Trichloroethene

Concen: 0.570 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU030724.D

Acq: 05 Apr 2019 07:38

Instrument :

MSVOA_U

ClientSampleId :

E3YD9

Tot Ion: 95 Resp: 2202

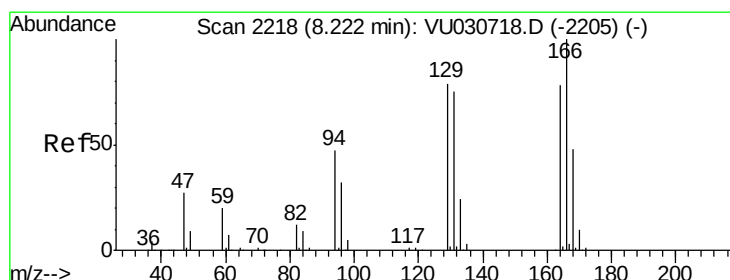
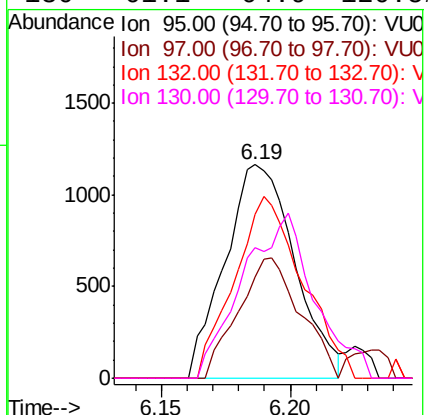
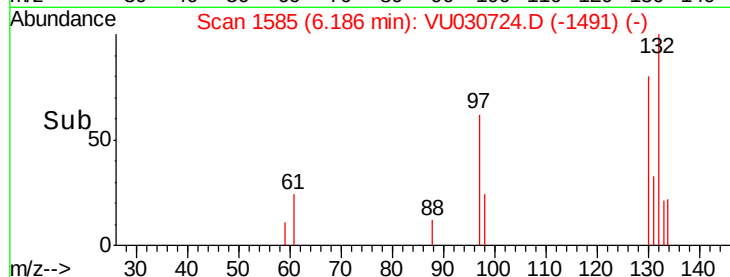
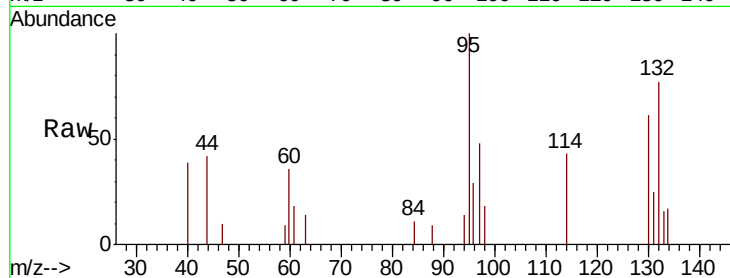
Ion Ratio Lower Upper

95 100

97 47.6 44.5 82.7

132 76.6 61.5 114.1

130 61.1 64.9 120.5#



#46

Tetrachloroethene

Concen: 0.735 ug/L

RT: 8.23 min Scan# 2221

Delta R.T. 0.01 min

Lab File: VU030724.D

Acq: 05 Apr 2019 07:38

Tgt Ion: 164 Resp: 2063

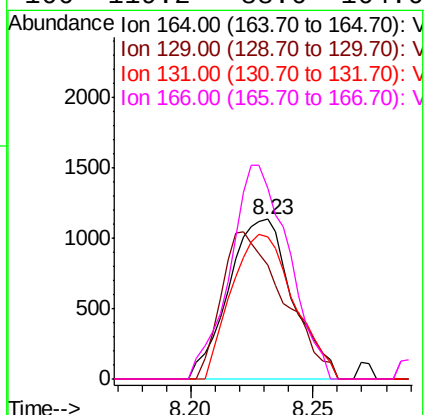
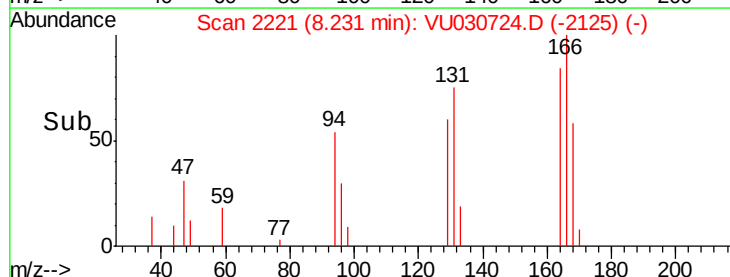
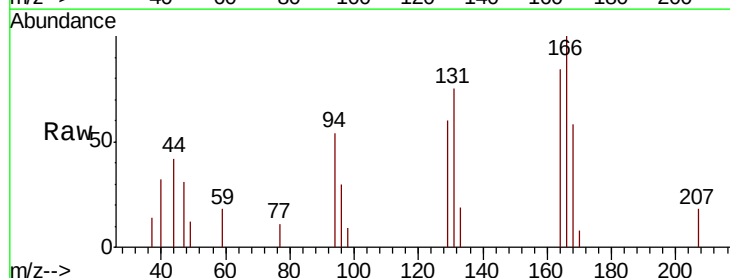
Ion Ratio Lower Upper

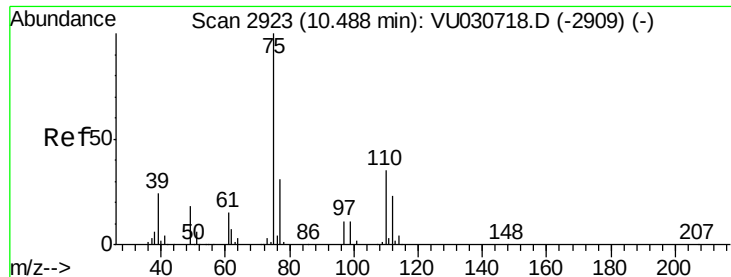
164 100

129 71.1 67.4 125.2

131 89.2 65.9 122.5

166 119.2 88.6 164.6





#59

1,2,3-Trichloropropane

Concen: 4.813 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030724.D

Acq: 05 Apr 2019 07:38

Instrument :

MSVOA_U

ClientSampleId :

E3YD9

Tot Ion: 75 Resp: 25702

Ion Ratio Lower Upper

75 100

77 38.0 26.1 39.1

