

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042919\
 Data File : VU031594.D
 Acq On : 29 Apr 2019 18:14
 Operator : JC/SP
 Sample : K2586-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X66

Quant Time: Apr 30 01:59:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 01:54:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	670625	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	657791	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	238016	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	286995	51.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.26%
7) Chloroethane-d5	1.68	69	233709	53.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.76%
11) 1,1-Dichloroethene-d2	2.27	63	442496	39.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.18%
21) 2-Butanone-d5	4.18	46	590866	116.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.19%
24) Chloroform-d	4.64	84	535642	52.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.22%
26) 1,2-Dichloroethane-d4	5.31	65	376753	56.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.20%
32) Benzene-d6	5.34	84	1051596	52.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.12%
36) 1,2-Dichloropropane-d6	6.32	67	381014	53.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.24%
41) Toluene-d8	7.56	98	854711	48.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.16%
43) trans-1,3-Dichloropropene-	7.85	79	145921	47.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.66%
47) 2-Hexanone-d5	8.31	63	329785	107.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	474269	49.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	275539	55.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.10%

Target Compounds

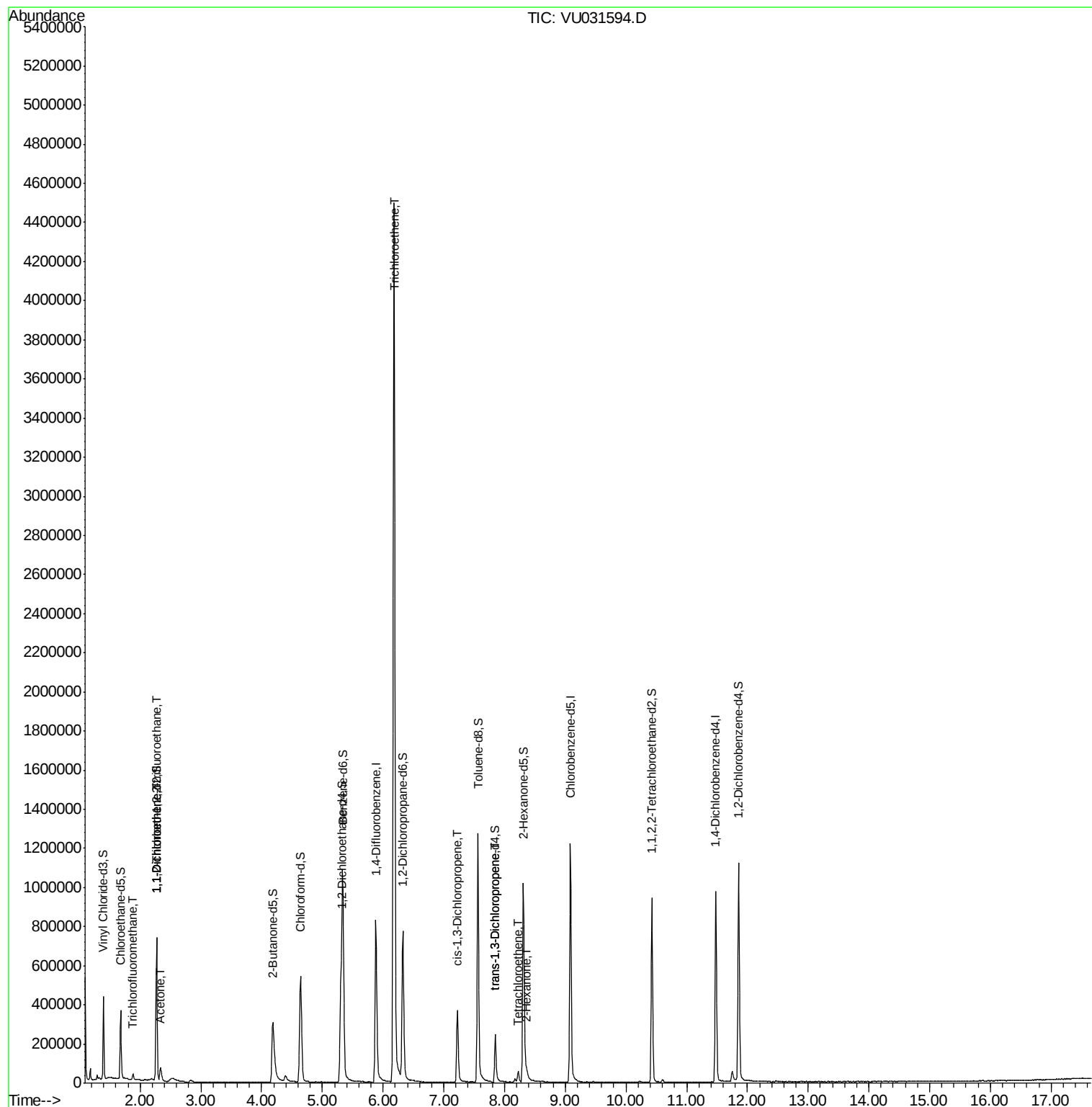
					Qvalue
9) Trichlorofluoromethane	1.88	101	13714	1.442 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3483	0.648 ug/L #	22
12) 1,1-Dichloroethene	2.27	96	3255	0.622 ug/L #	1
13) Acetone	2.34	43	93156	16.263 ug/L	97
34) Trichloroethene	6.18	95	1680578	286.673 ug/L	95
39) cis-1,3-Dichloropropene	7.22	75	7855	0.866 ug/L #	52
44) trans-1,3-Dichloropropene	7.85	75	6099	0.741 ug/L	95
46) Tetrachloroethene	8.23	164	10774	2.696 ug/L	94
48) 2-Hexanone	8.37	43	18932	2.216 ug/L #	44

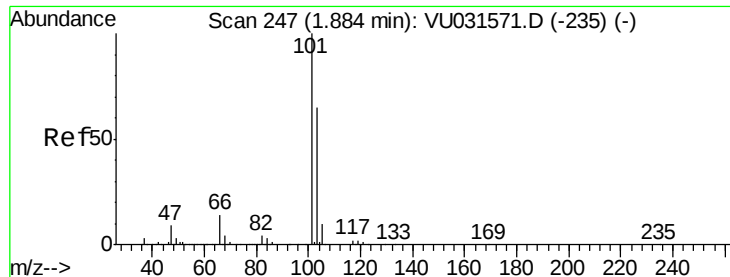
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 1.442 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU031594.D

Acq: 29 Apr 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

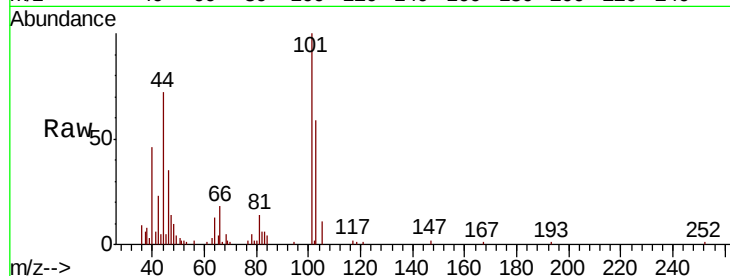
C0X66

Tgt Ion:101 Resp: 13714

Ion Ratio Lower Upper

101 100

103 58.9 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.88

10000

8000

6000

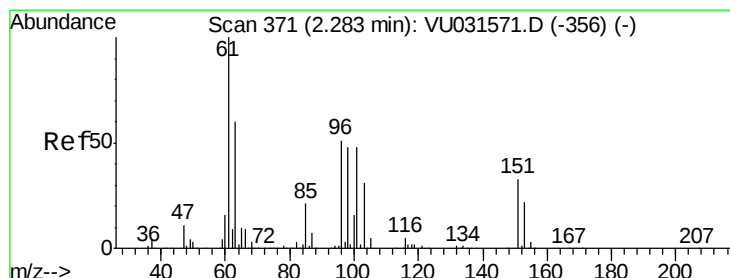
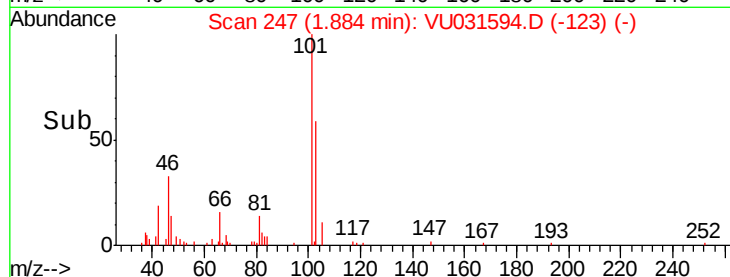
4000

2000

0

Time-->

1.85 1.90



#10

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

Concen: 0.648 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031594.D

Acq: 29 Apr 2019 18:14

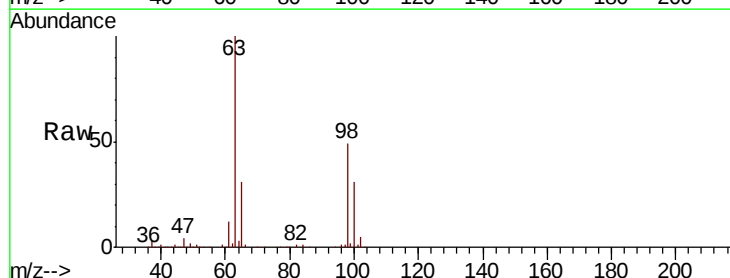
Tgt Ion:101 Resp: 3483

Ion Ratio Lower Upper

101 100

85 2.0 36.1 54.1#

151 0.0 56.1 84.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

3000

2500

2000

1500

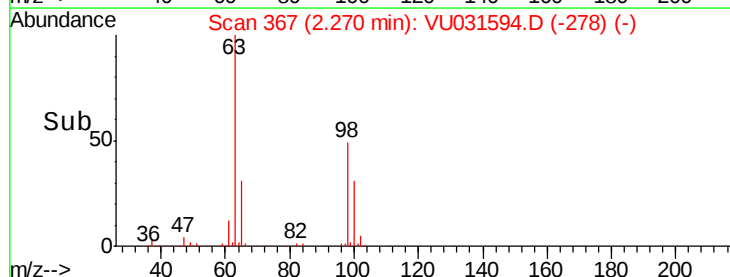
1000

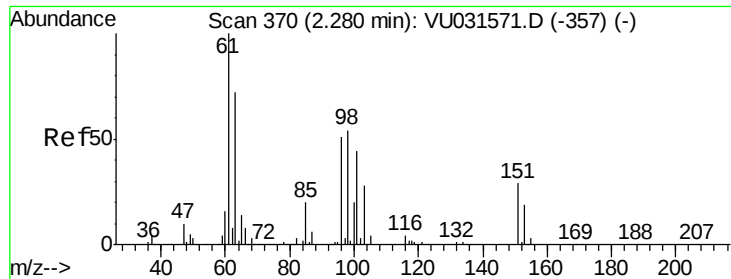
500

0

Time-->

2.25 2.30





#12

1,1-Dichloroethene

Concen: 0.622 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031594.D

Acq: 29 Apr 2019 18:14

Instrument :

MSVOA_U

ClientSampled :

C0X66

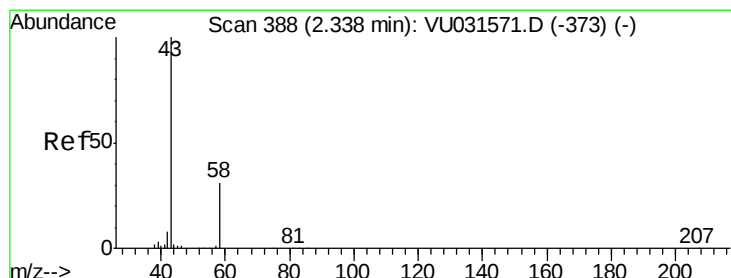
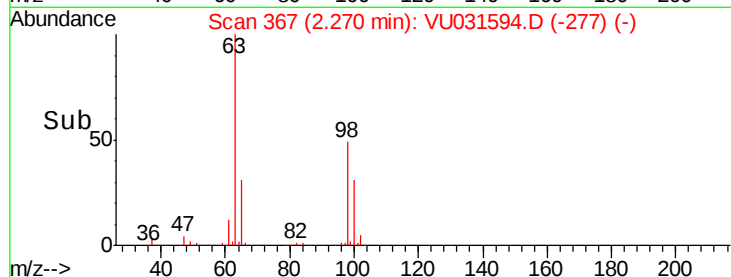
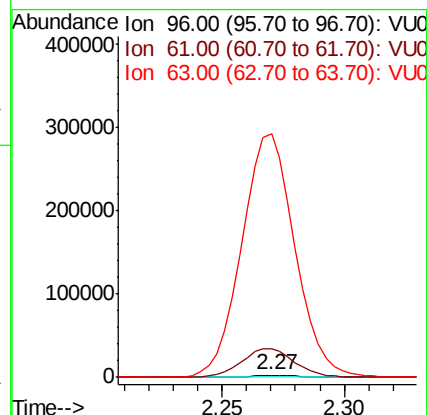
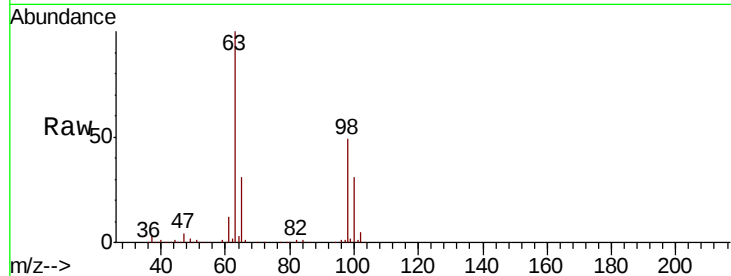
Tgt Ion: 96 Resp: 3255

Ion Ratio Lower Upper

96 100

61 1537.4 135.0 250.6#

63 13057.4 103.5 192.3#



#13

Acetone

Concen: 16.263 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU031594.D

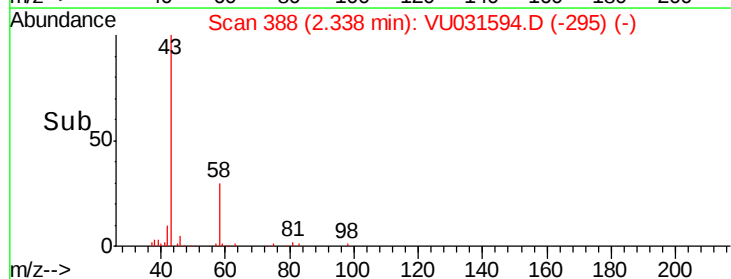
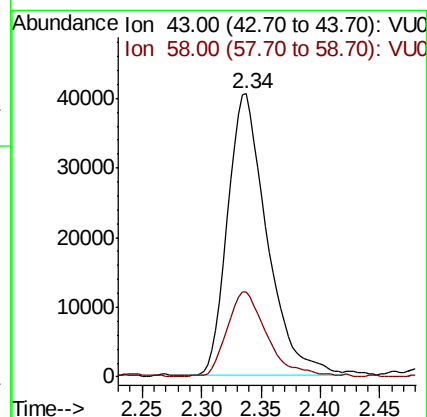
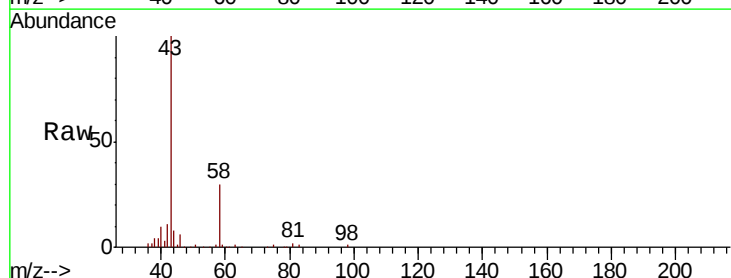
Acq: 29 Apr 2019 18:14

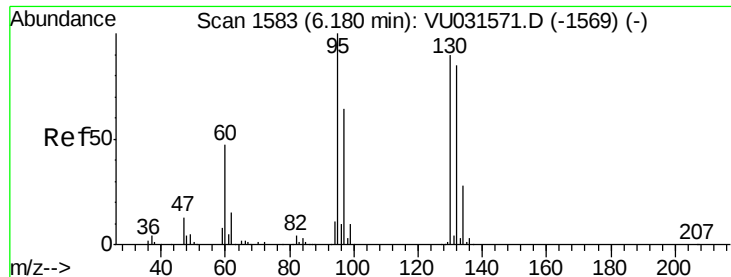
Tgt Ion: 43 Resp: 93156

Ion Ratio Lower Upper

43 100

58 30.3 0.0 64.4

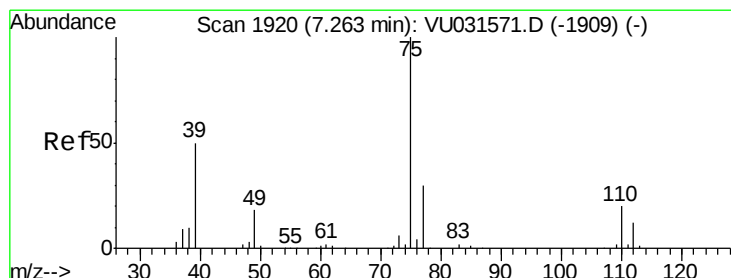
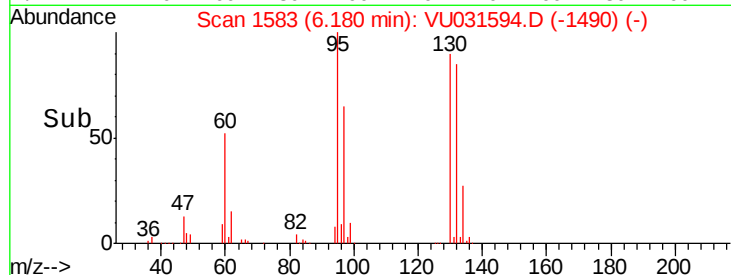
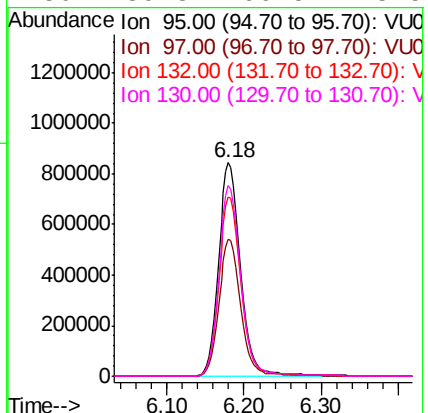
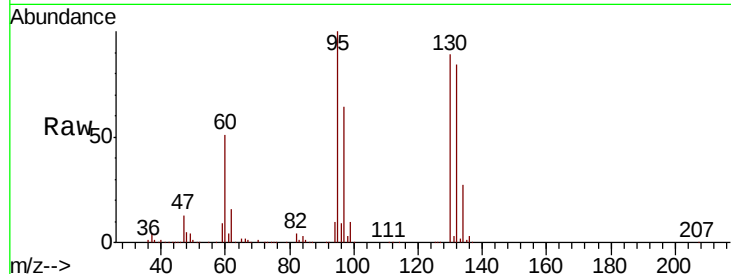




#34
 Trichloroethene
 Concen: 286.673 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031594.D
 Acq: 29 Apr 2019 18:14

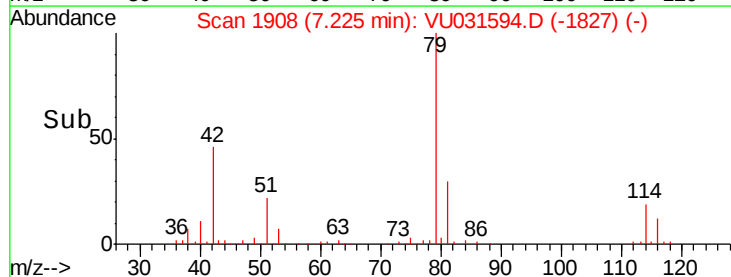
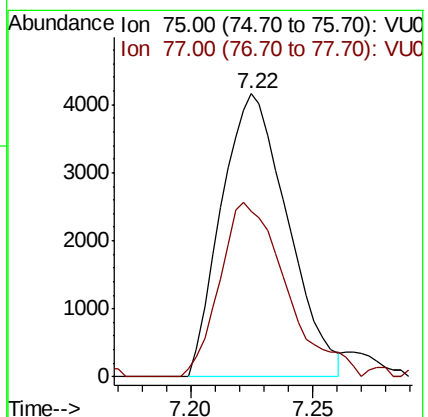
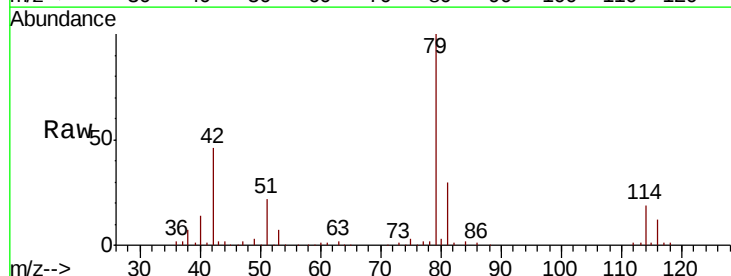
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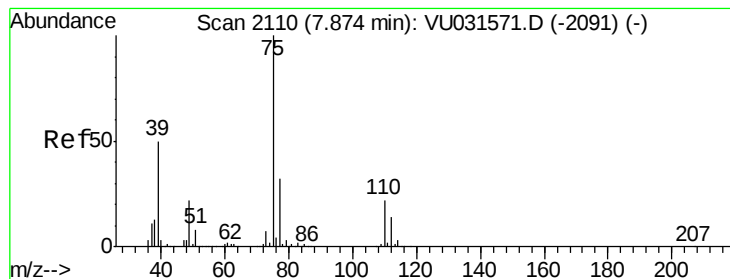
Tgt Ion: 95 Resp: 1680578
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.8 83.2
 132 84.1 63.1 117.1
 130 89.3 66.5 123.5



#39
 cis-1,3-Dichloropropene
 Concen: 0.866 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU031594.D
 Acq: 29 Apr 2019 18:14

Tgt Ion: 75 Resp: 7855
 Ion Ratio Lower Upper
 75 100
 77 58.4 22.1 41.1#





#44

trans-1,3-Dichloropropene

Concen: 0.741 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031594.D

Acq: 29 Apr 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

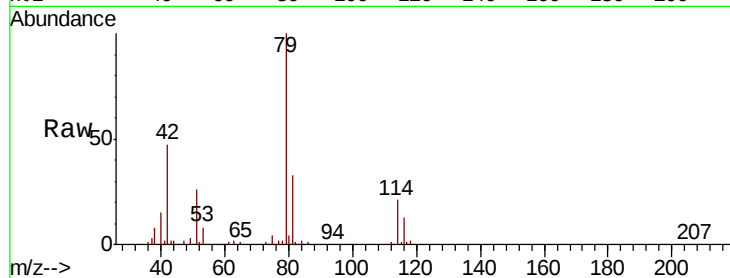
C0X66

Tgt Ion: 75 Resp: 6099

Ion Ratio Lower Upper

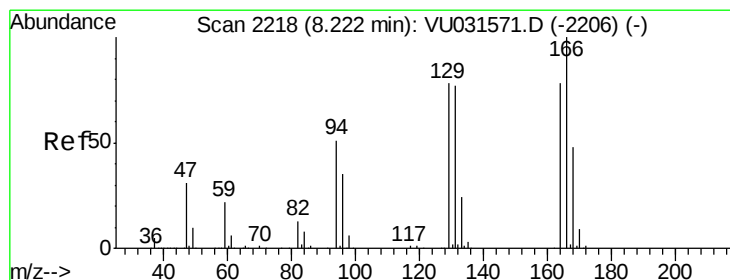
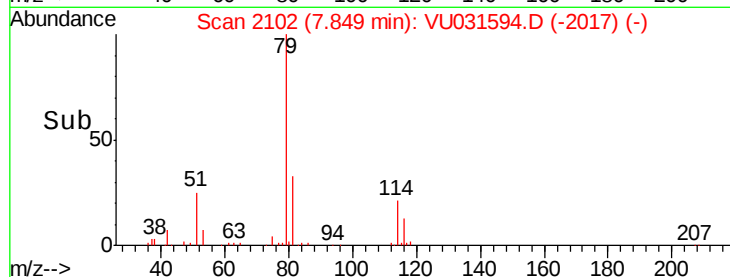
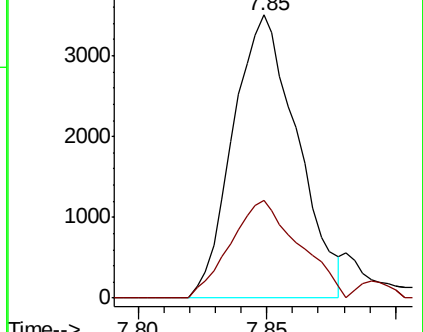
75 100

77 34.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031571.D (-2091) (-)

Ion 77.00 (76.70 to 77.70): VU031571.D (-2091) (-)



#46

Tetrachloroethene

Concen: 2.696 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU031594.D

Acq: 29 Apr 2019 18:14

Tgt Ion: 164 Resp: 10774

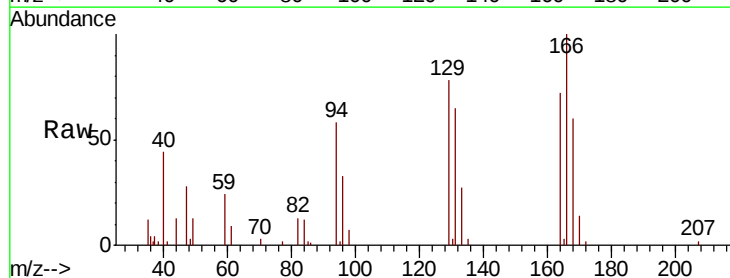
Ion Ratio Lower Upper

164 100

129 109.1 71.5 132.9

131 90.3 69.0 128.2

166 138.9 93.7 173.9

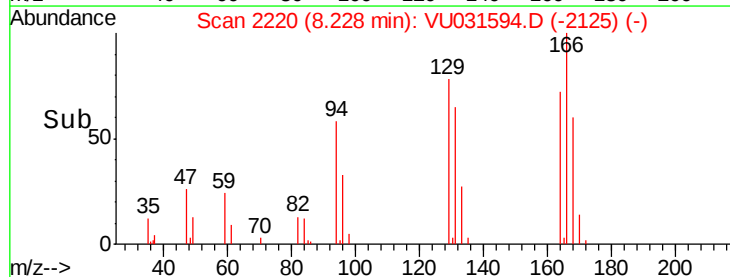
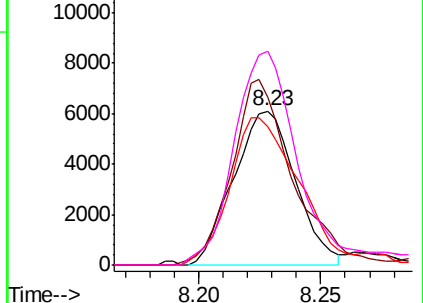


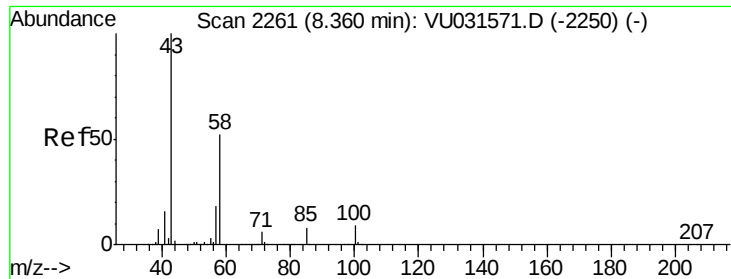
Abundance Ion 164.00 (163.70 to 164.70): VU031571.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU031571.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU031571.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU031571.D (-2206) (-)





#48
 2-Hexanone
 Concen: 2.216 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: VU031594.D
 Acq: 29 Apr 2019 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X66

Tgt Ion	Ratio	Lower	Upper
43	100		
58	3.7	42.1	63.1#
57	1.5	14.6	22.0#
100	2.8	7.2	10.8#

