

Data File : VU031122.D
Acq On : 12 Apr 2019 12:04
Operator : JC/SP
Sample : K2354-13 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 114 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF2T4

Quant Time: Apr 12 23:37:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 23:21:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	477719	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	508055	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	213554	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	231553	54.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.60%
7) Chloroethane-d5	1.68	69	170288	52.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.22%
11) 1,1-Dichloroethene-d2	2.27	63	285854	37.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.12%
21) 2-Butanone-d5	4.17	46	293826	86.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.93%
24) Chloroform-d	4.64	84	314868	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.66%
26) 1,2-Dichloroethane-d4	5.30	65	218123	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.14%
32) Benzene-d6	5.33	84	635704	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.72%
36) 1,2-Dichloropropane-d6	6.32	67	211999	41.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.42%
41) Toluene-d8	7.56	98	563392	42.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.72%
43) trans-1,3-Dichloropropene-	7.85	79	97596	42.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.22%
47) 2-Hexanone-d5	8.31	63	184866	79.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302037	44.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	212865	50.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.36%

Target Compounds

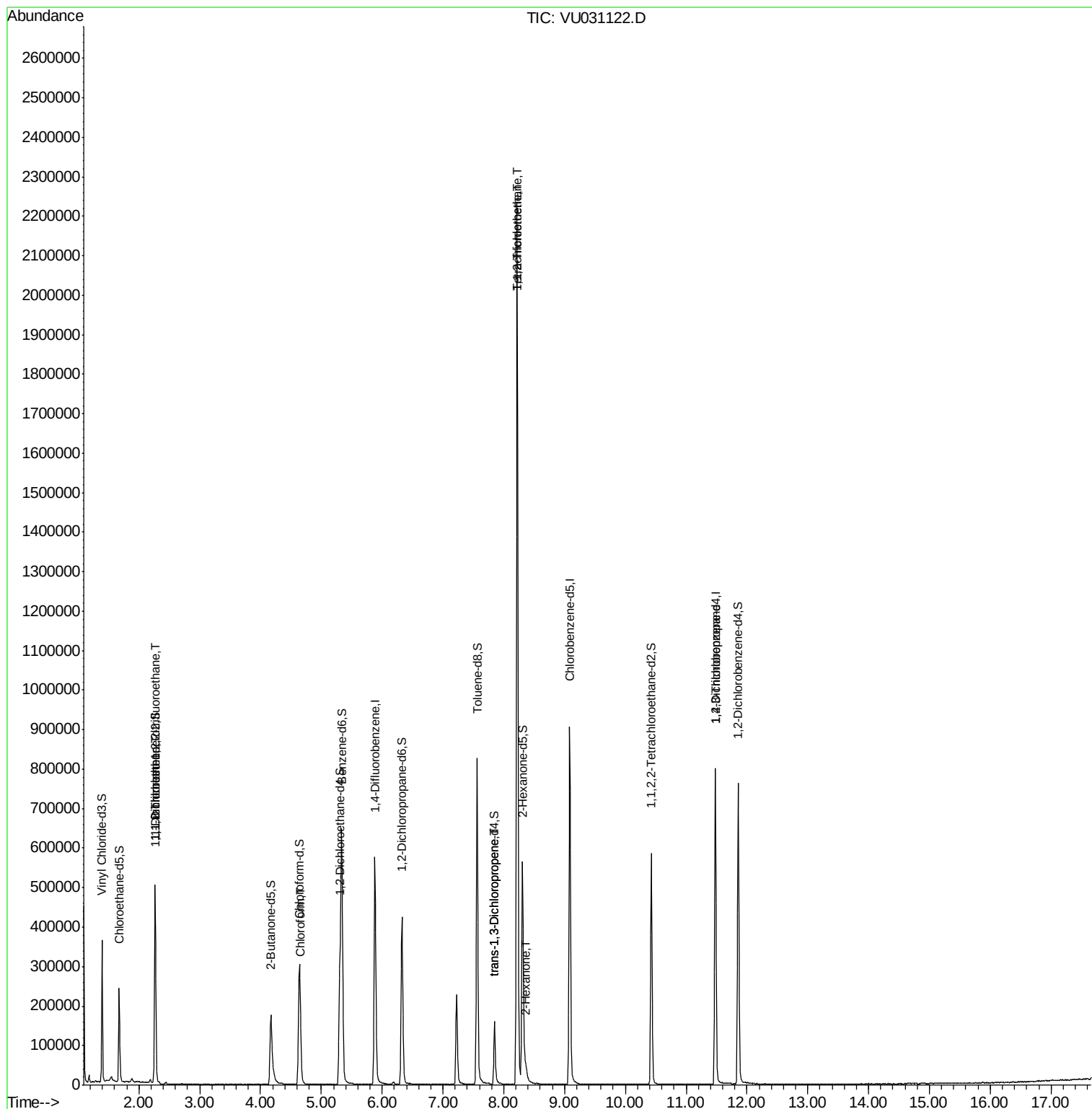
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2799	0.818	ug/L #	30
12) 1,1-Dichloroethene	2.28	96	17369	5.260	ug/L #	1
25) Chloroform	4.67	83	13053	1.795	ug/L	91
44) trans-1,3-Dichloropropene	7.85	75	3911	0.662	ug/L	90
45) 1,1,2-Trichloroethane	8.22	97	4875	1.221	ug/L #	3
46) Tetrachloroethene	8.22	164	507614	171.222	ug/L	100
48) 2-Hexanone	8.36	43	15423	2.611	ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	24778	4.395	ug/L #	84

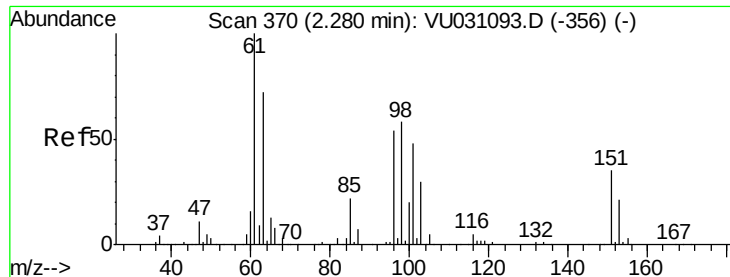
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.818 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031122.D

Acq: 12 Apr 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

BF2T4

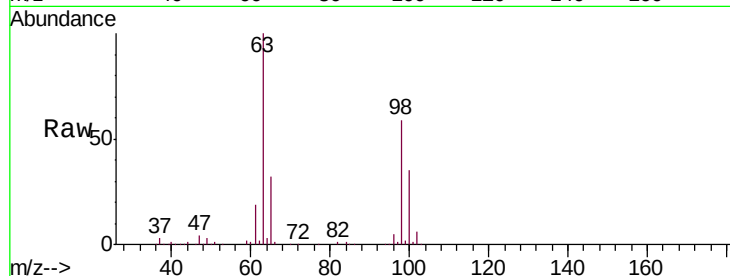
Tgt Ion: 101 Resp: 2799

Ion Ratio Lower Upper

101 100

85 9.8 36.8 55.2#

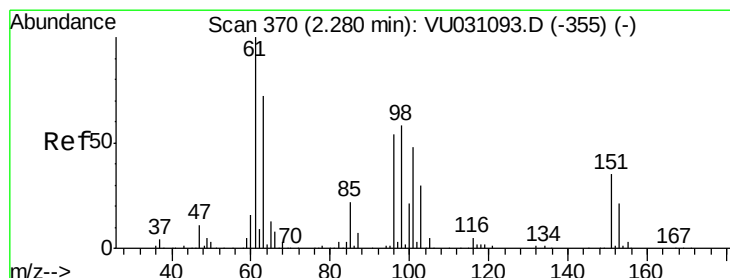
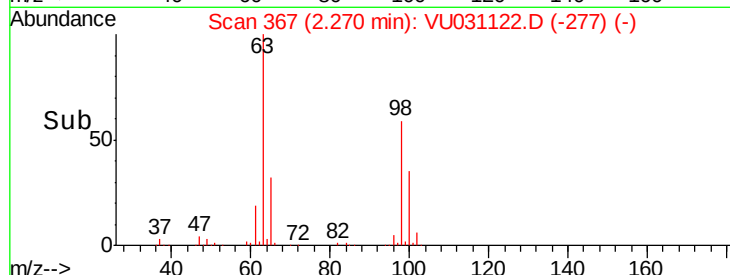
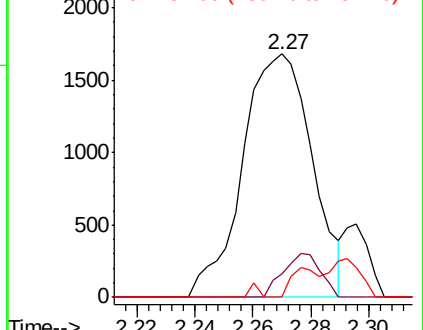
151 4.8 57.4 86.0#



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



#12

1,1-Dichloroethene

Concen: 5.260 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031122.D

Acq: 12 Apr 2019 12:04

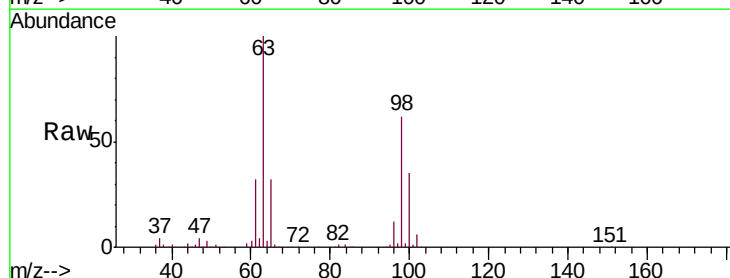
Tgt Ion: 96 Resp: 17369

Ion Ratio Lower Upper

96 100

61 270.4 132.0 245.2#

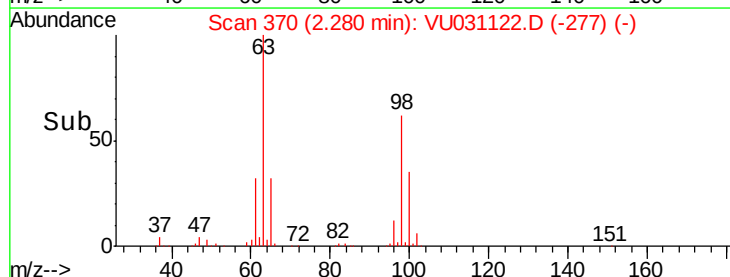
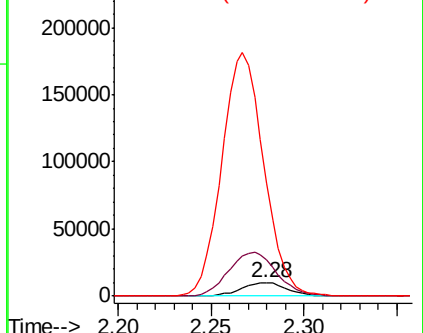
63 853.4 90.9 168.9#

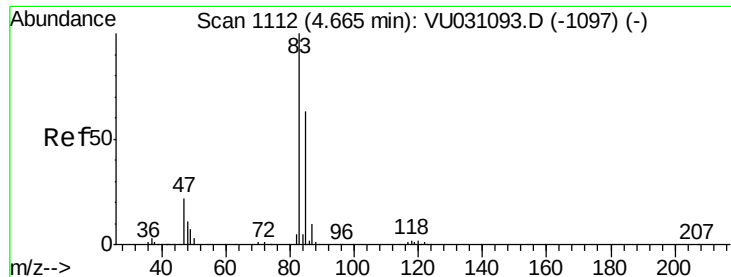


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

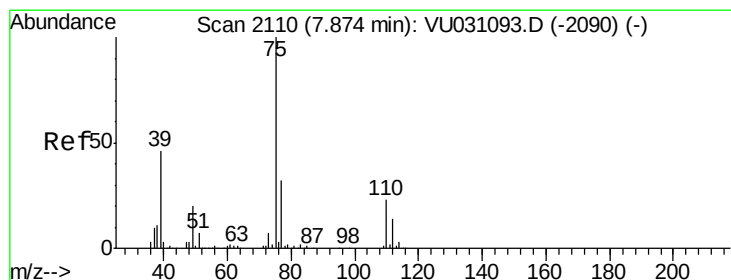
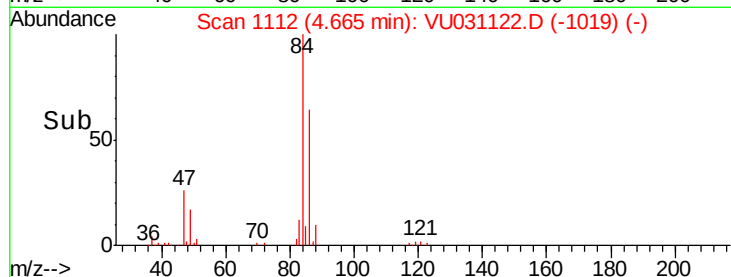
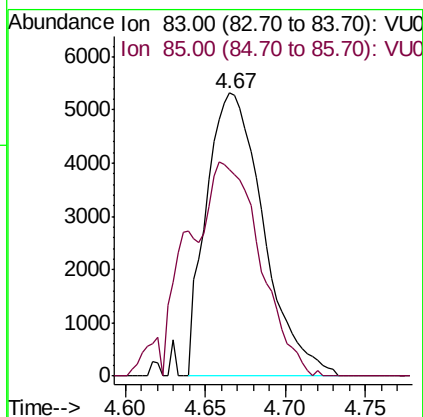
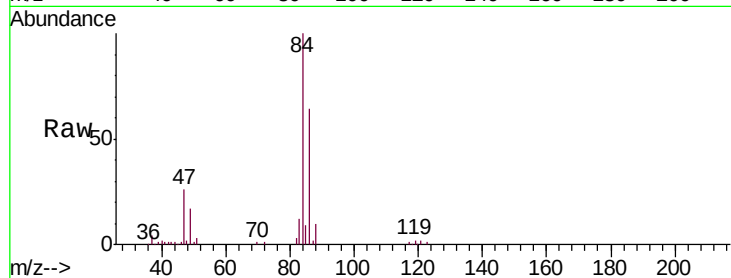




#25
Chloroform
Concen: 1.795 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU031122.D
Acq: 12 Apr 2019 12:04

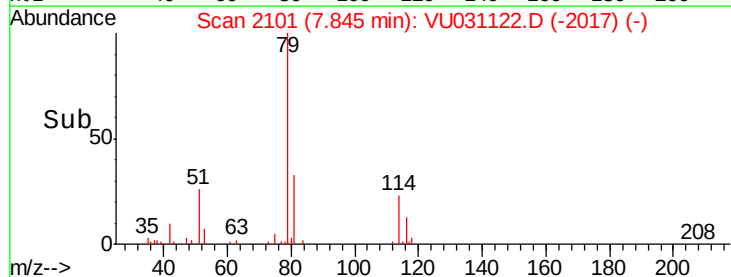
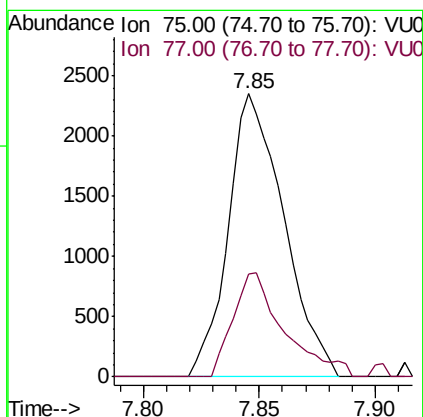
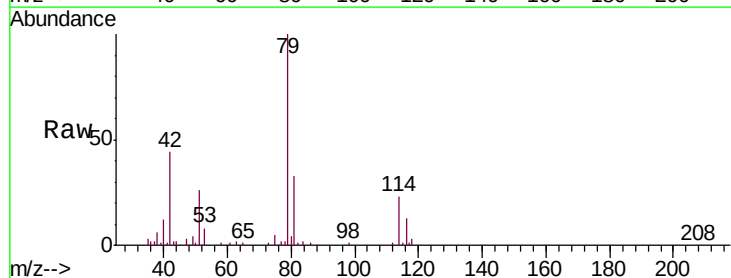
Instrument :
MSVOA_U
ClientSampleId :
BF2T4

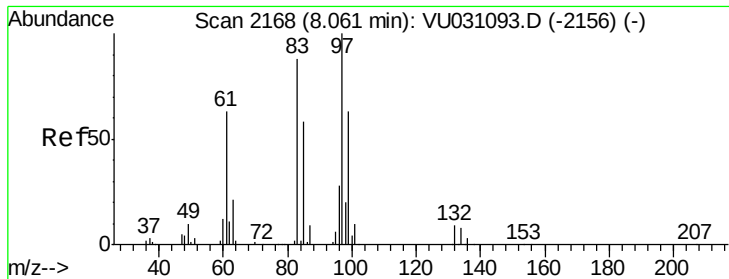
Tgt Ion: 83 Resp: 13053
Ion Ratio Lower Upper
83 100
85 72.9 45.8 85.0



#44
trans-1,3-Dichloropropene
Concen: 0.662 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU031122.D
Acq: 12 Apr 2019 12:04

Tgt Ion: 75 Resp: 3911
Ion Ratio Lower Upper
75 100
77 36.5 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 1.221 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU031122.D

Acq: 12 Apr 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

BF2T4

Tgt Ion: 97 Resp: 4875

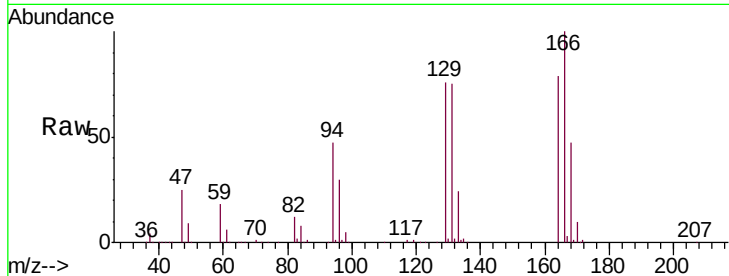
Ion Ratio Lower Upper

97 100

99 5.6 44.0 81.8#

83 235.0 65.3 121.3#

85 27.0 42.5 78.9#



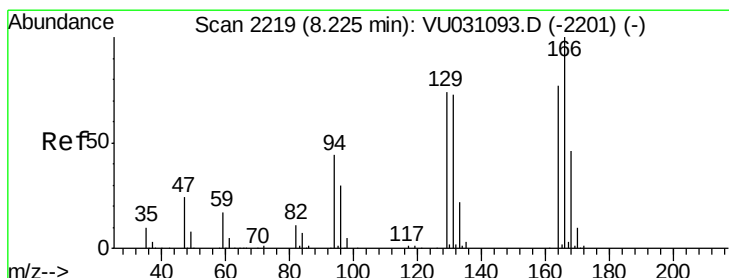
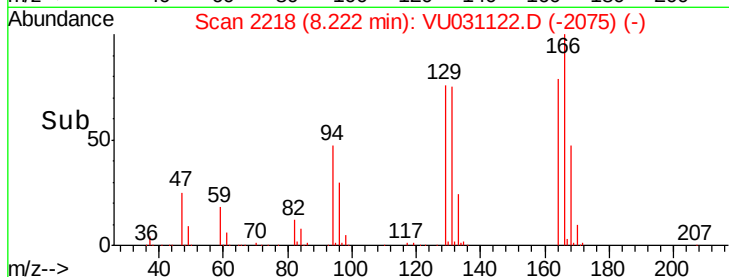
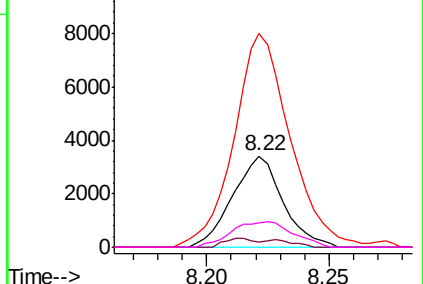
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 171.222 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031122.D

Acq: 12 Apr 2019 12:04

Tgt Ion: 164 Resp: 507614

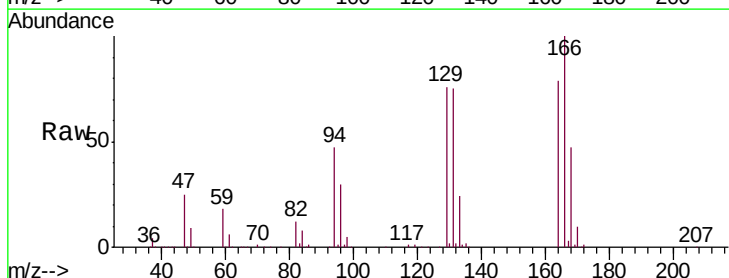
Ion Ratio Lower Upper

164 100

129 96.2 67.4 125.2

131 94.4 65.9 122.5

166 125.9 88.6 164.6



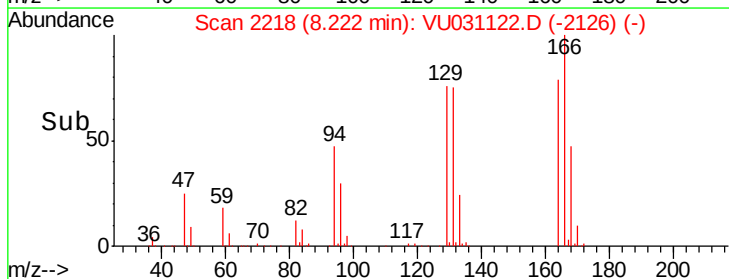
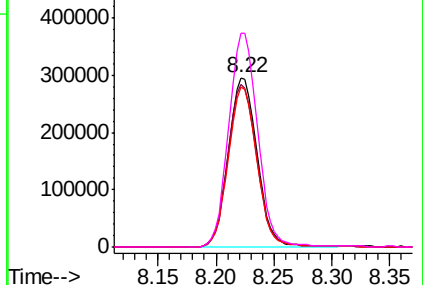
Abundance

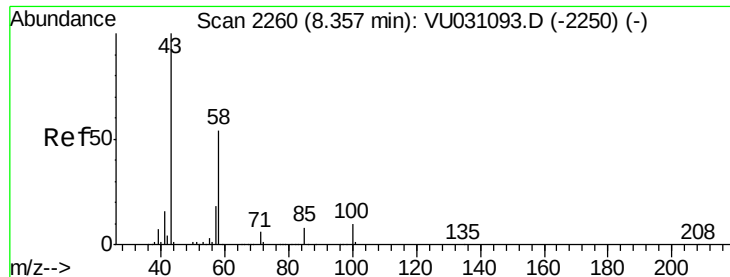
Ion 164.00 (163.70 to 164.70): V

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

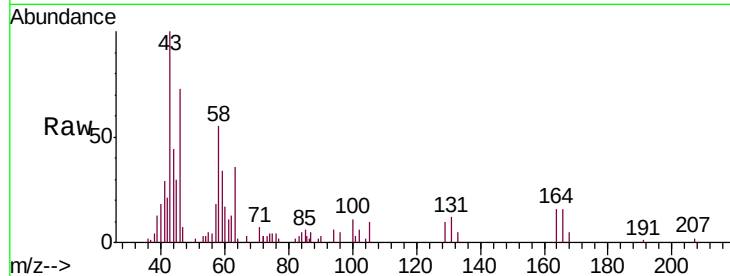




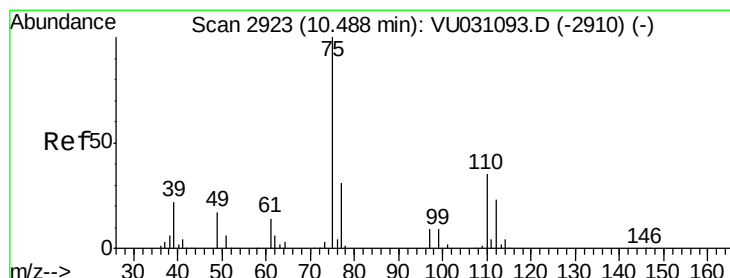
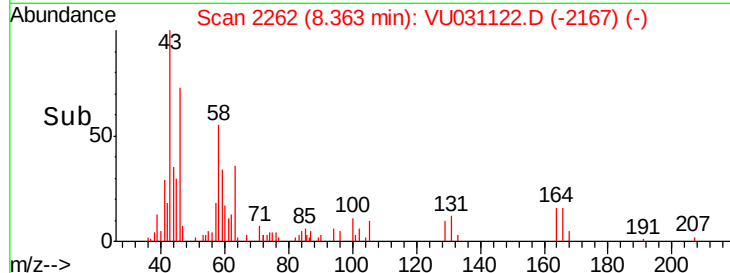
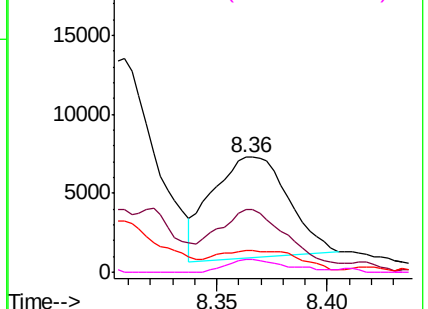
#48
 2-Hexanone
 Concen: 2.611 ug/L
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: VU031122.D
 Acq: 12 Apr 2019 12:04

Instrument :
 MSVOA_U
 ClientSampleId :
 BF2T4

Tgt Ion: 43 Resp: 15423
 Ion Ratio Lower Upper
 43 100
 58 45.3 41.9 62.9
 57 5.1 14.3 21.5#
 100 8.5 7.1 10.7

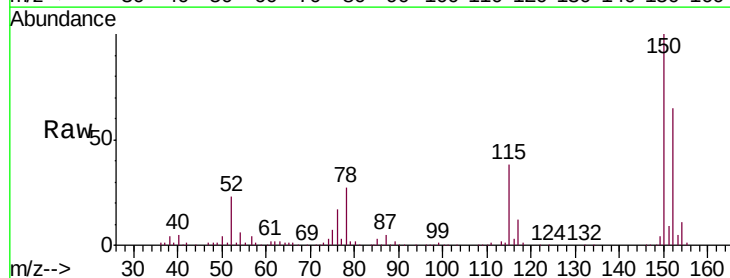


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0



#59
 1,2,3-Trichloropropane
 Concen: 4.395 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU031122.D
 Acq: 12 Apr 2019 12:04

Tgt Ion: 75 Resp: 24778
 Ion Ratio Lower Upper
 75 100
 77 41.3 26.1 39.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

