

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031098.D
 Acq On : 12 Apr 2019 02:55
 Operator : JC/SP
 Sample : K2354-13 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF2T4

Quant Time: Apr 12 07:30:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 07:24:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	511291	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	510490	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	214551	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	170028	37.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.50%
7) Chloroethane-d5	1.68	69	143926	41.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.10%
11) 1,1-Dichloroethene-d2	2.27	63	237274	28.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.48%#
21) 2-Butanone-d5	4.17	46	338008	93.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.44%
24) Chloroform-d	4.64	84	310786	44.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.16%
26) 1,2-Dichloroethane-d4	5.30	65	219684	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.36%
32) Benzene-d6	5.34	84	618914	41.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.06%
36) 1,2-Dichloropropane-d6	6.32	67	216762	42.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.88%
41) Toluene-d8	7.56	98	517297	39.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.32%#
43) trans-1,3-Dichloropropene-	7.85	79	92296	39.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.26%
47) 2-Hexanone-d5	8.31	63	191114	81.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.87%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	313731	45.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.08%
64) 1,2-Dichlorobenzene-d4	11.86	152	201530	47.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.52%

Target Compounds

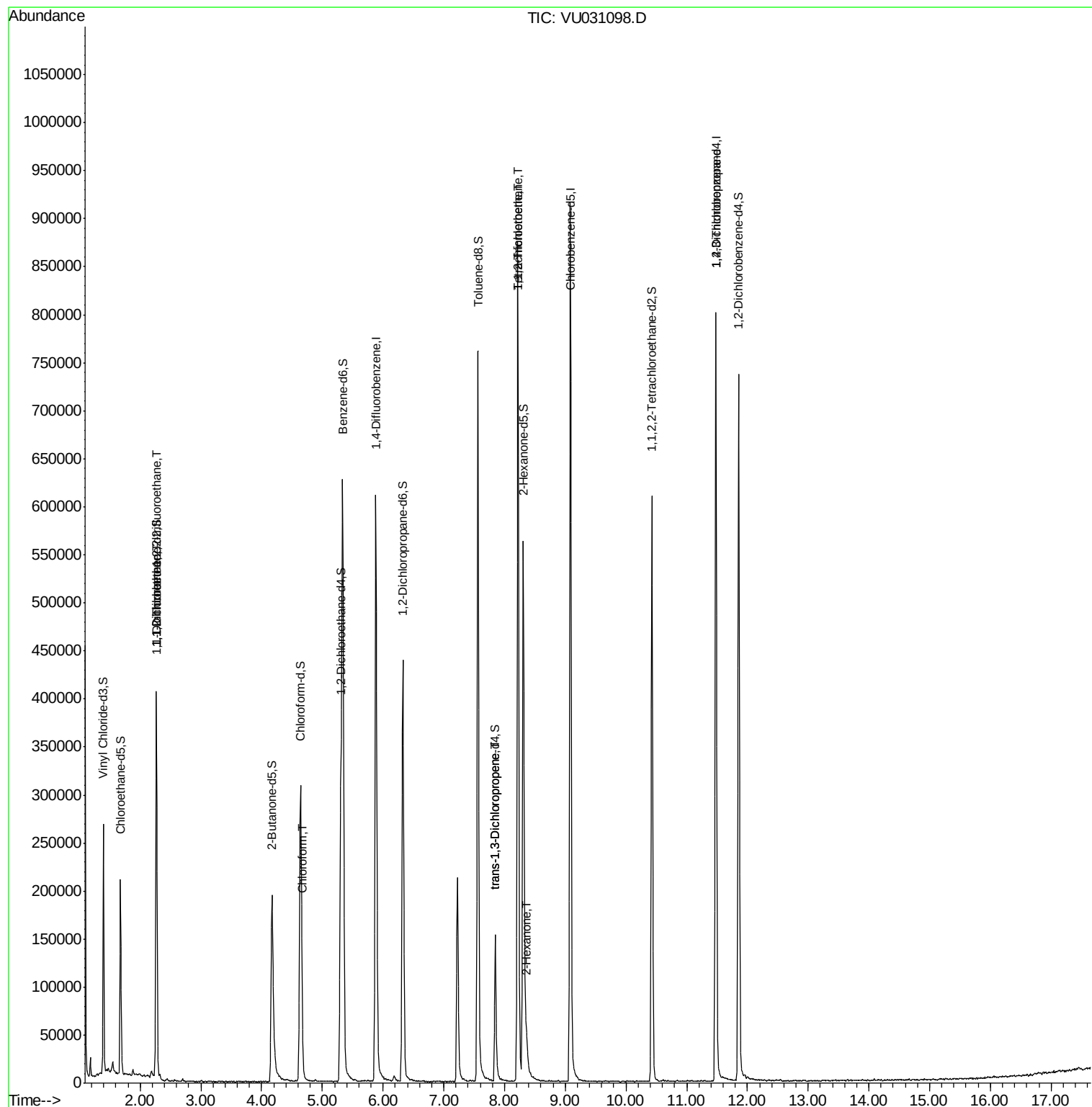
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2267	0.619 ug/L #	25
12) 1,1-Dichloroethene	2.28	96	7969	2.255 ug/L #	1
25) Chloroform	4.67	83	12511	1.607 ug/L	90
44) trans-1,3-Dichloropropene	7.85	75	3429	0.578 ug/L	99
45) 1,1,2-Trichloroethane	8.22	97	1710	0.426 ug/L #	1
46) Tetrachloroethene	8.22	164	203695	68.380 ug/L	98
48) 2-Hexanone	8.36	43	15595	2.628 ug/L #	96
59) 1,2,3-Trichloropropane	11.48	75	26060	4.600 ug/L	94

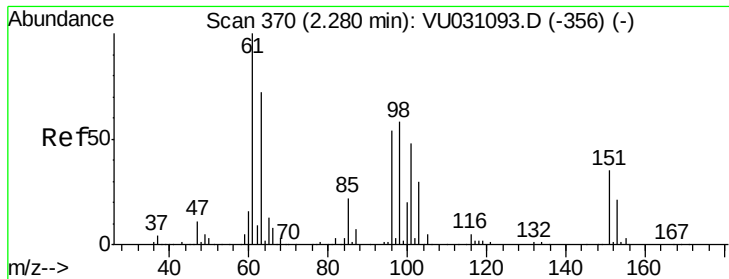
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Apr 12 07:24:02 2019
Response via : Initial Calibration





#10

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

Concen: 0.619 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031098.D

Acq: 12 Apr 2019 02:55

Instrument :

MSVOA_U

ClientSampleId :

BF2T4

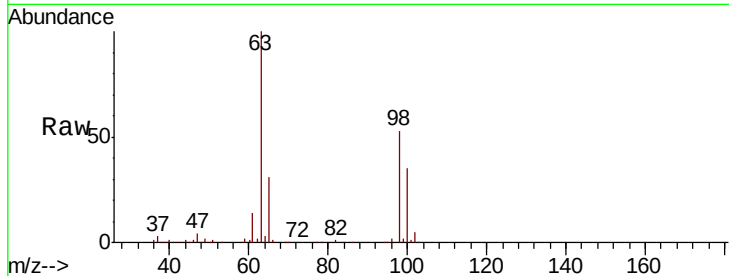
Tot Ion:101 Resp: 2267

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

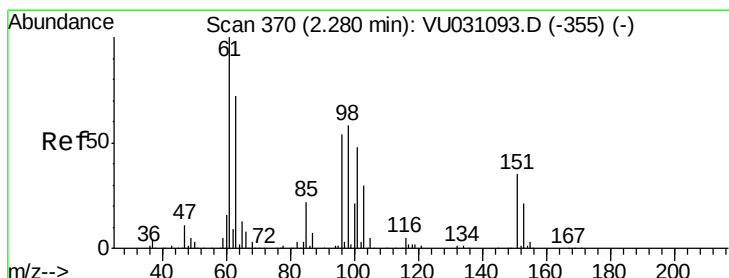
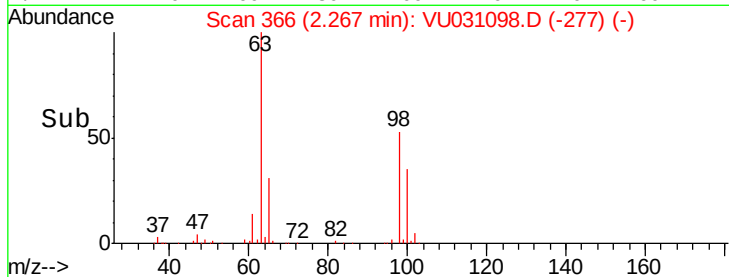
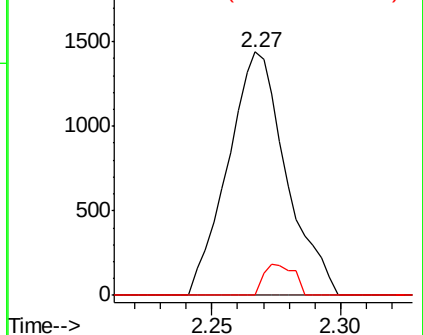
151 6.7 57.4 86.0#



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: 2.255 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031098.D

Acq: 12 Apr 2019 02:55

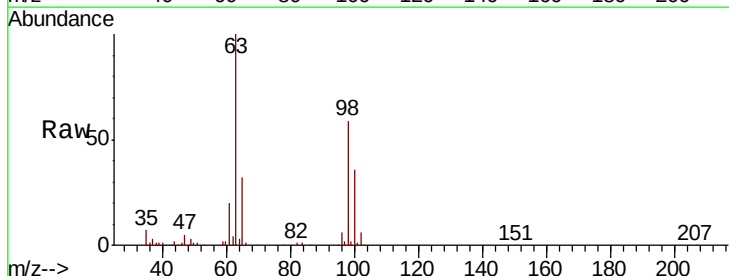
Tgt Ion: 96 Resp: 7969

Ion Ratio Lower Upper

96 100

61 313.4 132.0 245.2#

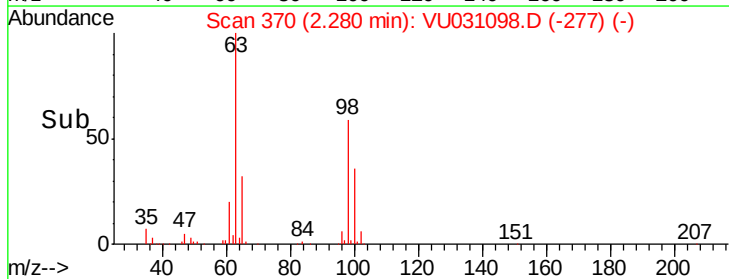
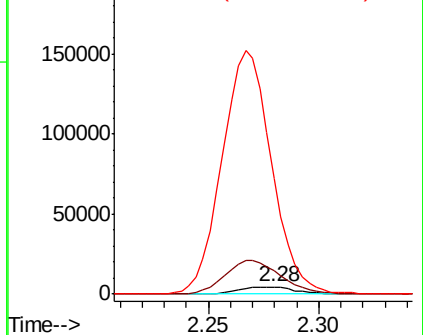
63 1558.5 90.9 168.9#

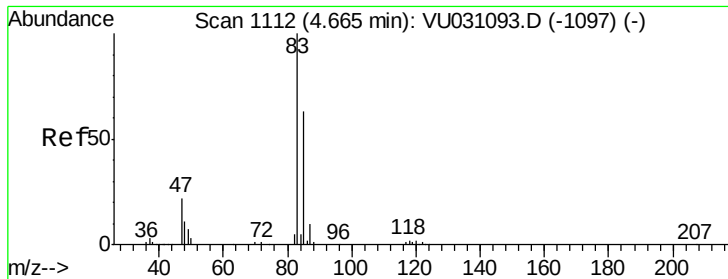


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

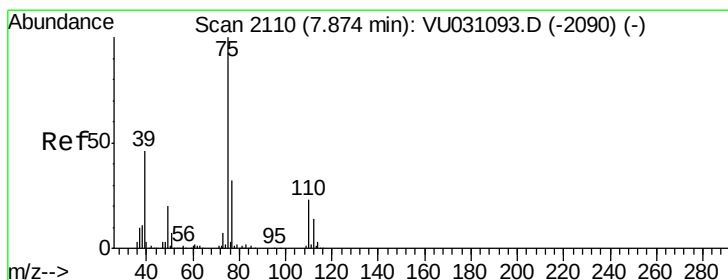
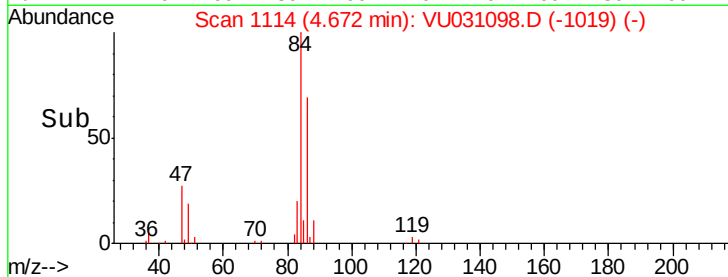
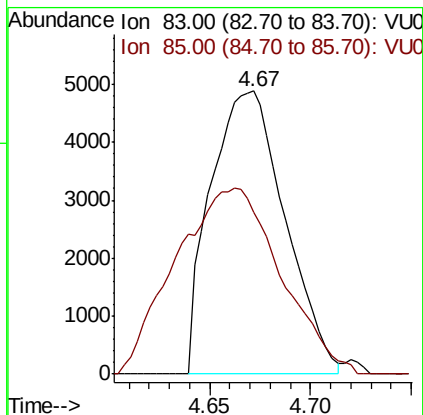
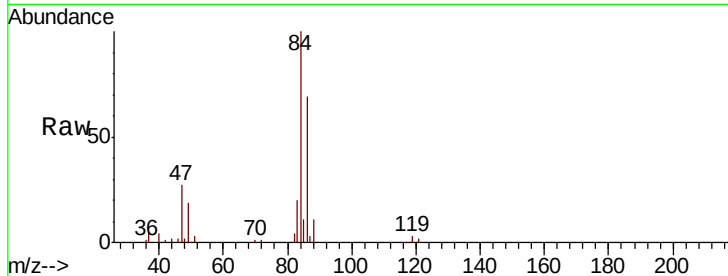




#25
Chloroform
Concen: 1.607 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VU031098.D
Acq: 12 Apr 2019 02:55

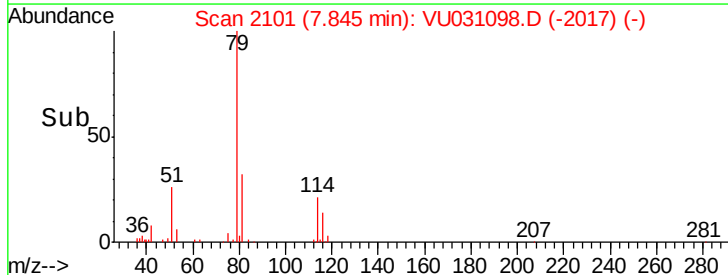
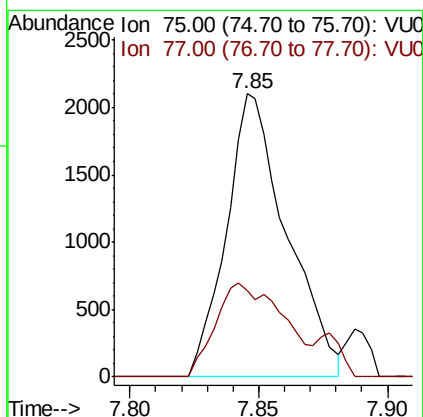
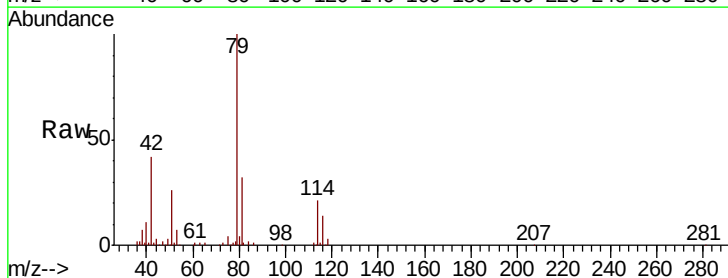
Instrument :
MSVOA_U
ClientSampled :
BF2T4

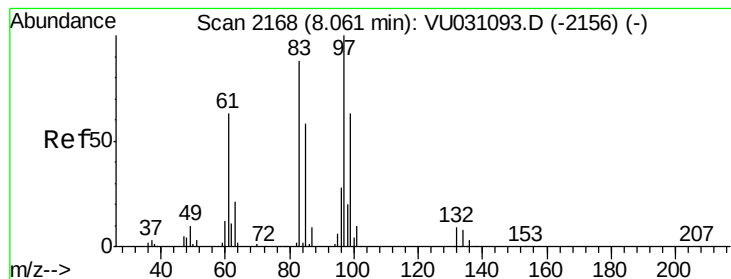
Tot Ion: 83 Resp: 12511
Ion Ratio Lower Upper
83 100
85 57.1 45.8 85.0



#44
trans-1,3-Dichloropropene
Concen: 0.578 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU031098.D
Acq: 12 Apr 2019 02:55

Tgt Ion: 75 Resp: 3429
Ion Ratio Lower Upper
75 100
77 30.4 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 0.426 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. 0.16 min

Lab File: VU031098.D

Acq: 12 Apr 2019 02:55

Instrument :

MSVOA_U

ClientSampleId :

BF2T4

Tot Ion: 97 Resp: 1710

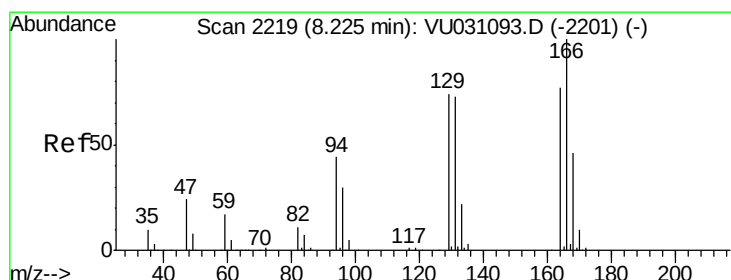
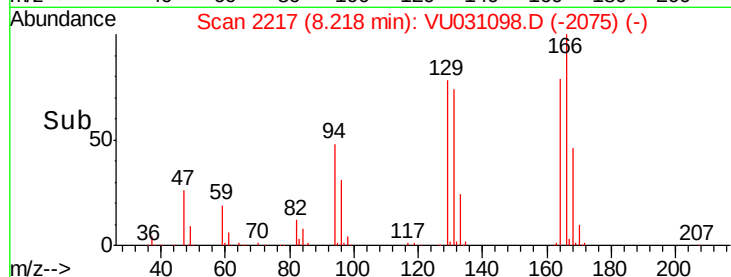
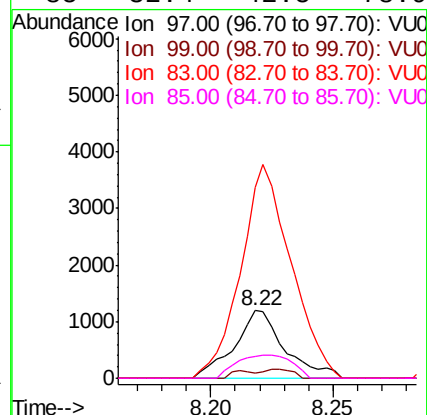
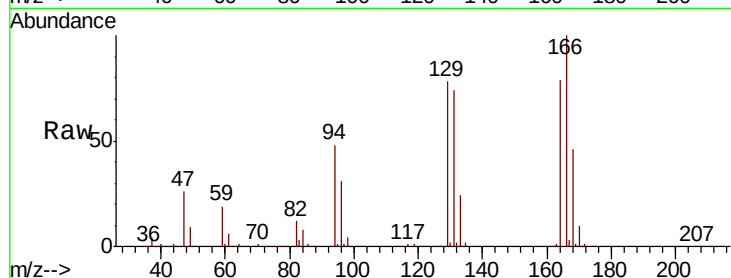
Ion Ratio Lower Upper

97 100

99 8.4 44.0 81.8#

83 282.7 65.3 121.3#

85 32.4 42.5 78.9#



#46

Tetrachloroethene

Concen: 68.380 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031098.D

Acq: 12 Apr 2019 02:55

Tgt Ion:164 Resp: 203695

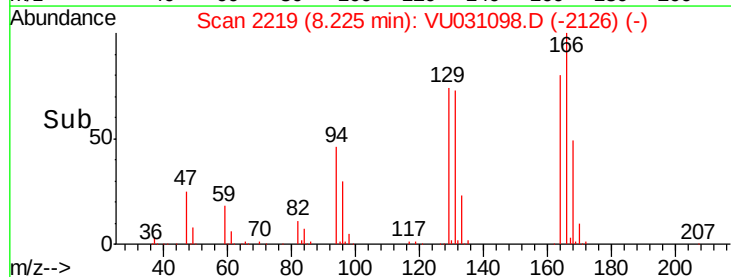
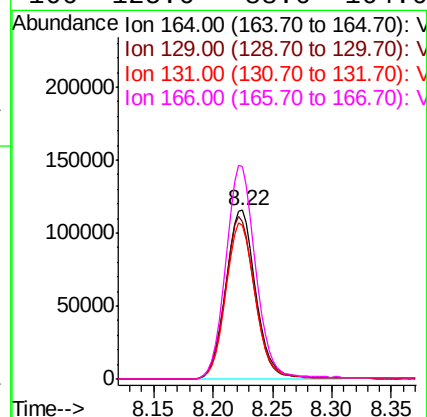
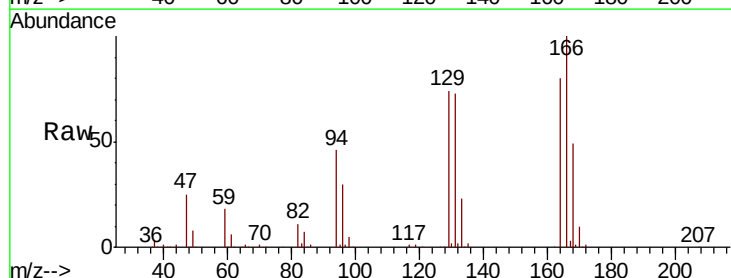
Ion Ratio Lower Upper

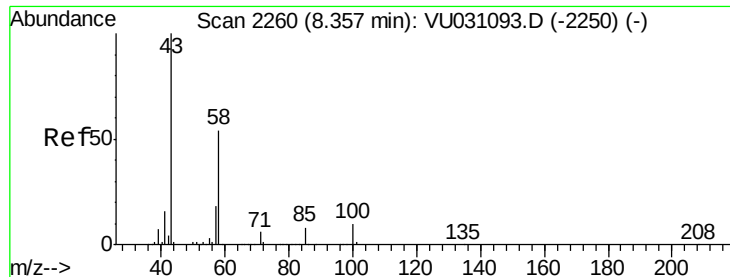
164 100

129 93.5 67.4 125.2

131 91.1 65.9 122.5

166 125.6 88.6 164.6

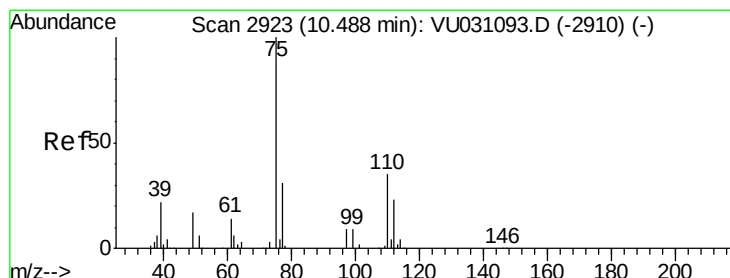
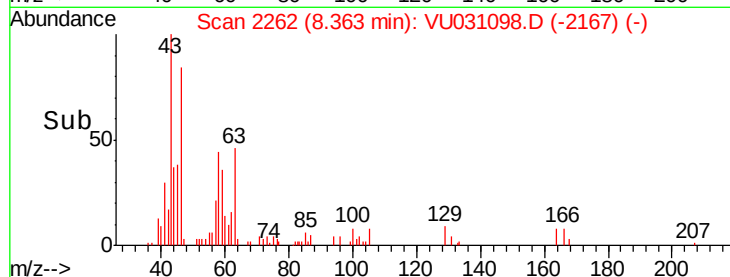
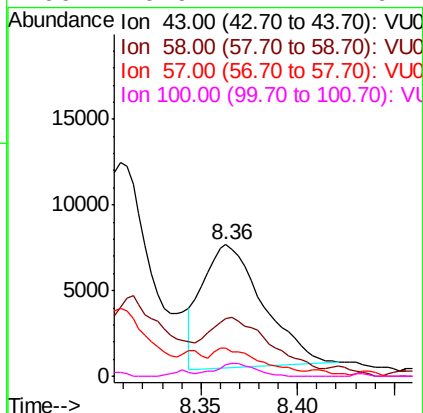
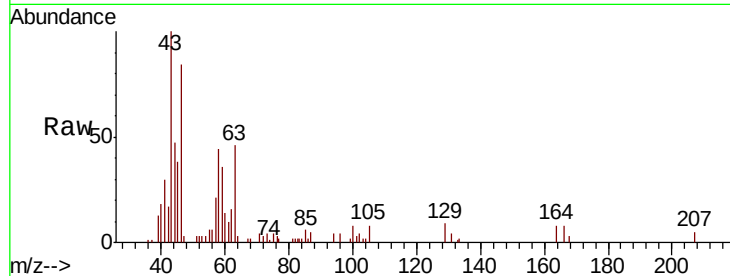




#48
2-Hexanone
Concen: 2.628 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU031098.D
Acq: 12 Apr 2019 02:55

Instrument :
MSVOA_U
ClientSampleId :
BF2T4

Tot Ion: 43 Resp: 15595
Ion Ratio Lower Upper
43 100
58 49.6 41.9 62.9
57 18.6 14.3 21.5
100 6.9 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 4.600 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031098.D
Acq: 12 Apr 2019 02:55

Tgt Ion: 75 Resp: 26060
Ion Ratio Lower Upper
75 100
77 35.9 26.1 39.1

