

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031158.D
 Acq On : 13 Apr 2019 15:53
 Operator : JC/SP
 Sample : K2354-13 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF2T4

Quant Time: Apr 13 22:31:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 13 22:25:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	469548	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	456633	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	177521	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	192382	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.80%
7) Chloroethane-d5	1.68	69	152175	47.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.66%
11) 1,1-Dichloroethene-d2	2.27	63	261441	34.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.98%
21) 2-Butanone-d5	4.17	46	301977	90.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.90%
24) Chloroform-d	4.64	84	309423	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.66%
26) 1,2-Dichloroethane-d4	5.31	65	209374	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.84%
32) Benzene-d6	5.34	84	626525	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.32	67	209246	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.60%
41) Toluene-d8	7.56	98	528740	44.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.50%
43) trans-1,3-Dichloropropene-	7.85	79	89227	42.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.66%
47) 2-Hexanone-d5	8.31	63	180430	86.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	282703	45.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	181081	51.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.74%

Target Compounds

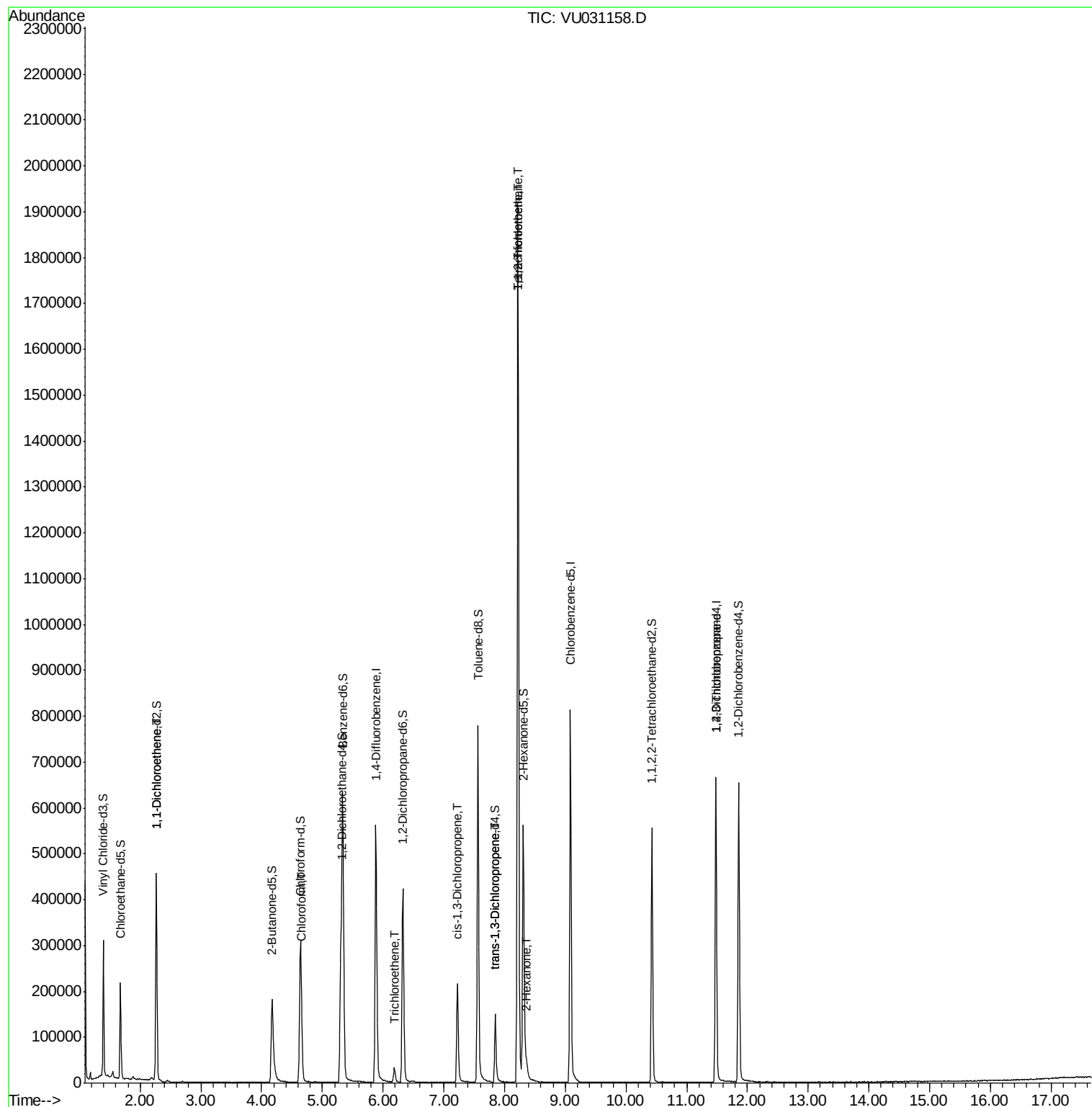
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	14414	4.441	ug/L #	1
25) Chloroform	4.67	83	7894	1.104	ug/L	97
34) Trichloroethene	6.19	95	10456	2.853	ug/L	98
39) cis-1,3-Dichloropropene	7.23	75	5566	0.924	ug/L #	77
44) trans-1,3-Dichloropropene	7.85	75	3372	0.635	ug/L	83
45) 1,1,2-Trichloroethane	8.22	97	3766	1.049	ug/L #	1
46) Tetrachloroethene	8.22	164	445346	167.135	ug/L	99
48) 2-Hexanone	8.36	43	9604	1.809	ug/L #	60
59) 1,2,3-Trichloropropane	11.48	75	21582	4.259	ug/L	90

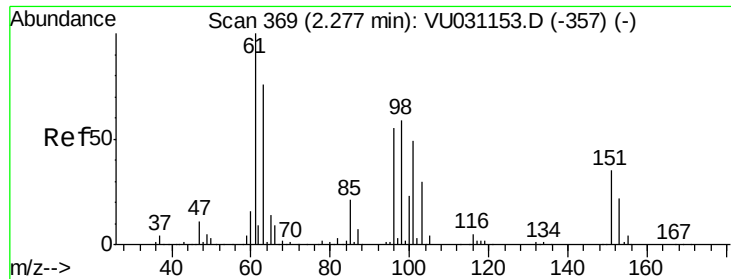
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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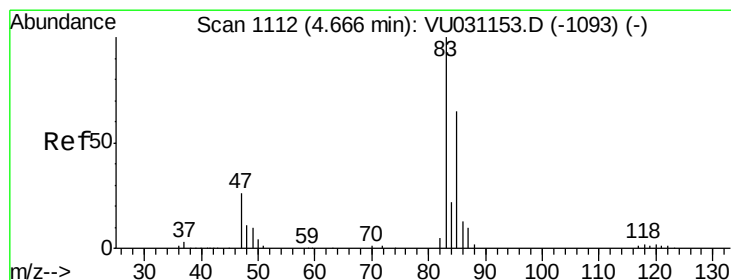
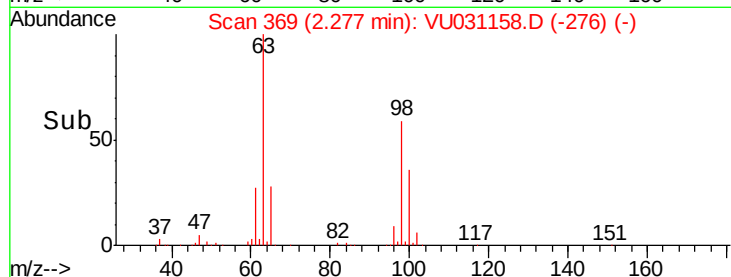
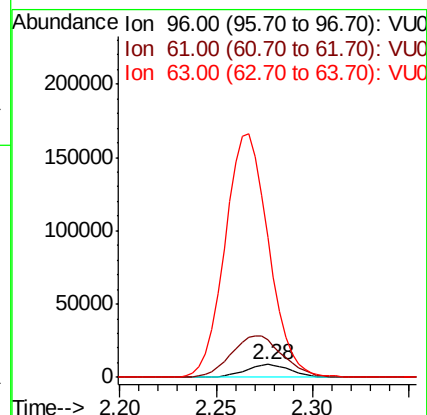
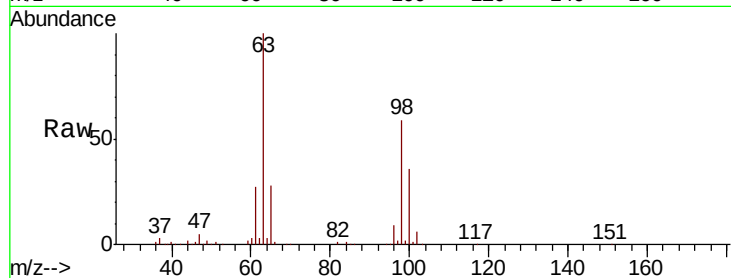




#12
 1,1-Dichloroethene
 Concen: 4.441 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VU031158.D
 Acq: 13 Apr 2019 15:53

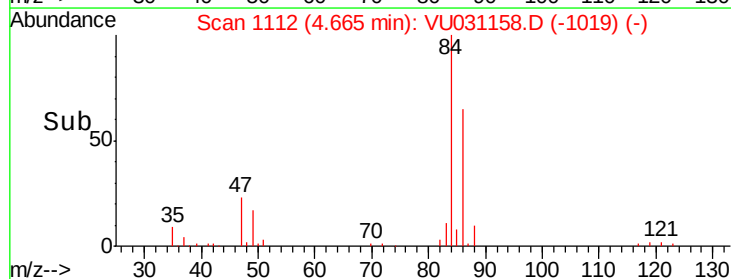
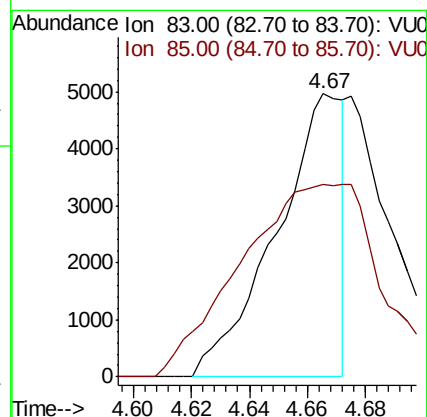
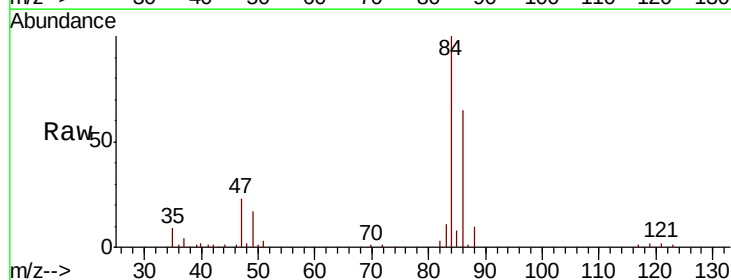
Instrument :
 MSVOA_U
 ClientSampleId :
 BF2T4

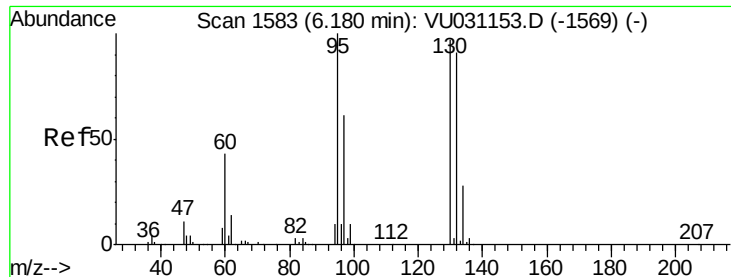
Tot Ion: 96 Resp: 14414
 Ion Ratio Lower Upper
 96 100
 61 286.5 132.0 245.2#
 63 1078.6 90.9 168.9#



#25
 Chloroform
 Concen: 1.104 ug/L
 RT: 4.67 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VU031158.D
 Acq: 13 Apr 2019 15:53

Tgt Ion: 83 Resp: 7894
 Ion Ratio Lower Upper
 83 100
 85 68.1 45.8 85.0





#34

Trichloroethene

Concen: 2.853 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU031158.D

Acq: 13 Apr 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

BF2T4

Tot Ion: 95 Resp: 10456

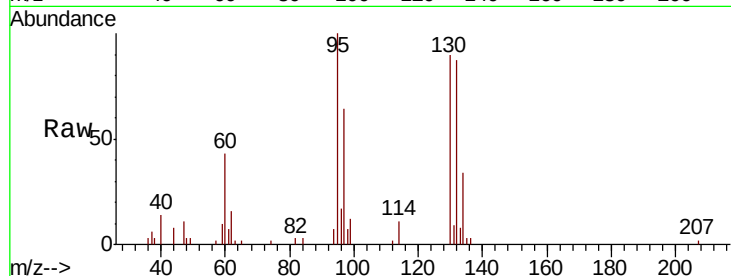
Ion Ratio Lower Upper

95 100

97 64.5 44.5 82.7

132 86.6 61.5 114.1

130 90.1 64.9 120.5

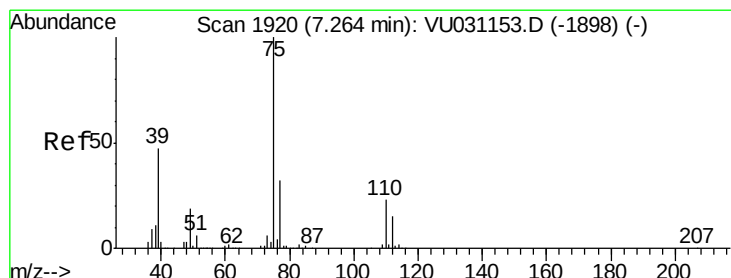
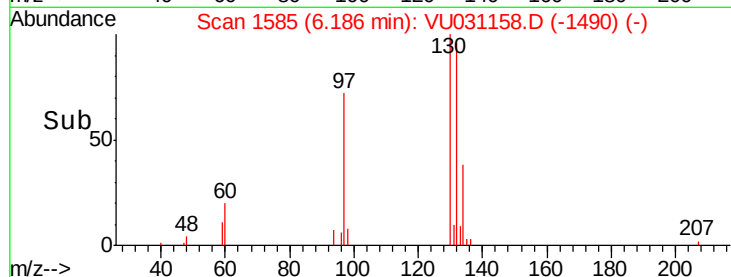
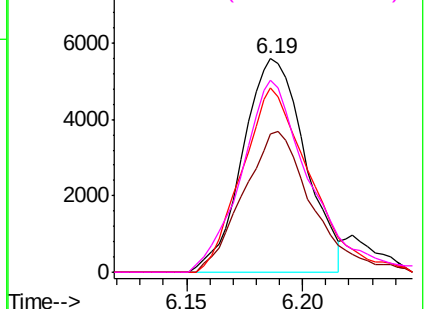


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#39

cis-1,3-Dichloropropene

Concen: 0.924 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU031158.D

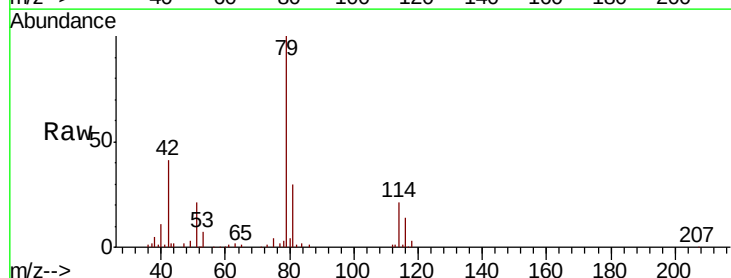
Acq: 13 Apr 2019 15:53

Tgt Ion: 75 Resp: 5566

Ion Ratio Lower Upper

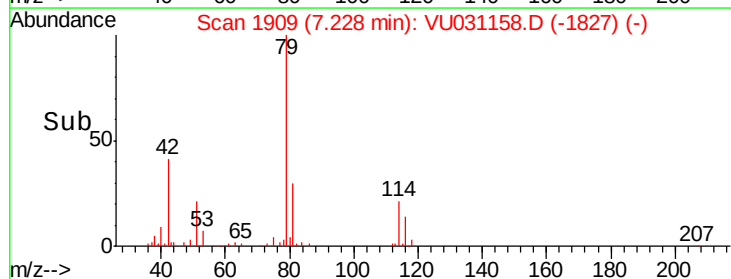
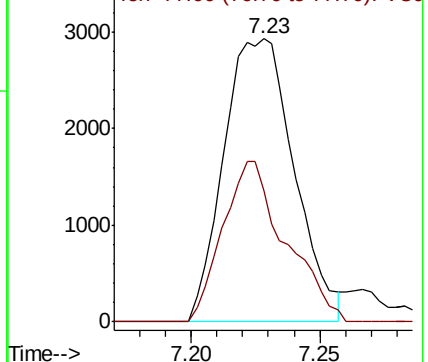
75 100

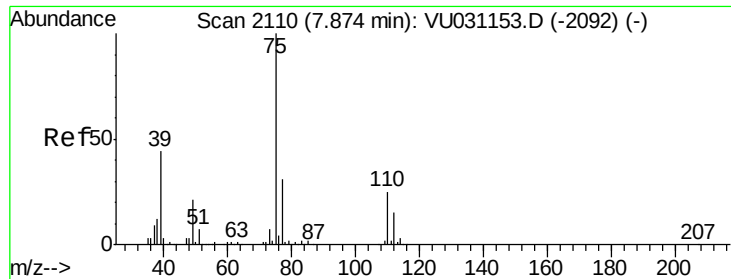
77 46.2 23.1 42.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.635 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031158.D

Acq: 13 Apr 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

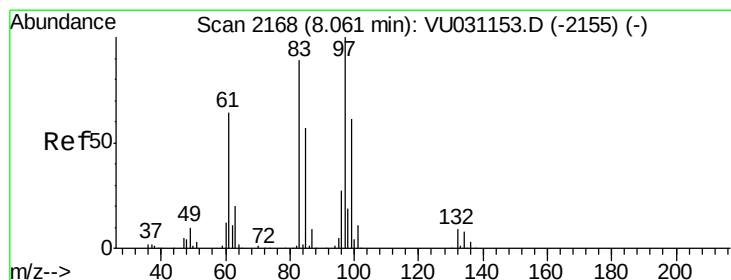
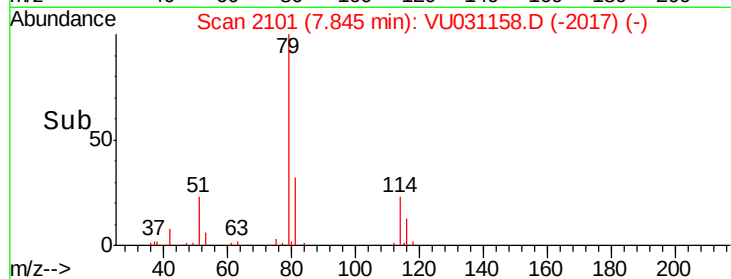
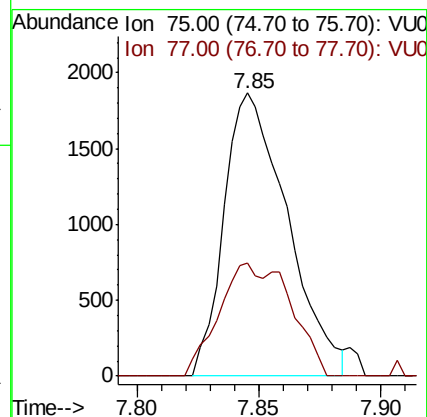
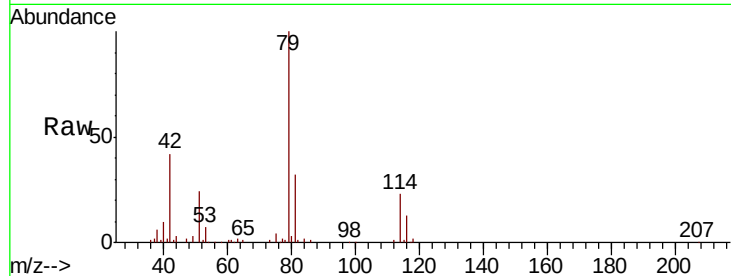
BF2T4

Tot Ion: 75 Resp: 3372

Ion Ratio Lower Upper

75 100

77 40.0 21.6 40.0



#45

1,1,2-Trichloroethane

Concen: 1.049 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU031158.D

Acq: 13 Apr 2019 15:53

Tgt Ion: 97 Resp: 3766

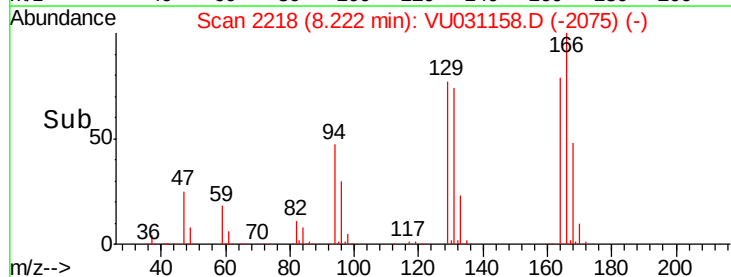
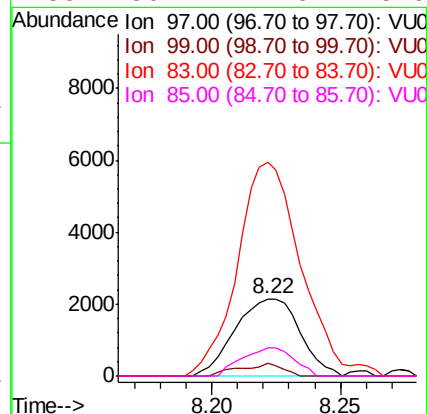
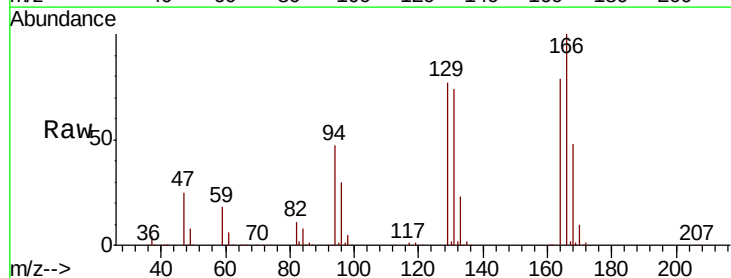
Ion Ratio Lower Upper

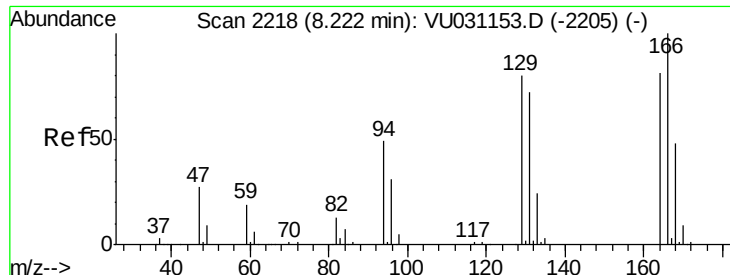
97 100

99 15.8 44.0 81.8#

83 276.4 65.3 121.3#

85 36.1 42.5 78.9#





#46

Tetrachloroethene

Concen: 167.135 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031158.D

Acq: 13 Apr 2019 15:53

Instrument :

MSVOA_U

ClientSampled :

BF2T4

Tot Ion:164 Resp: 445346

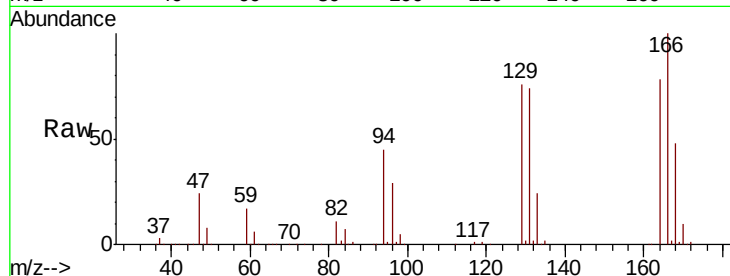
Ion Ratio Lower Upper

164 100

129 96.8 67.4 125.2

131 94.4 65.9 122.5

166 128.1 88.6 164.6

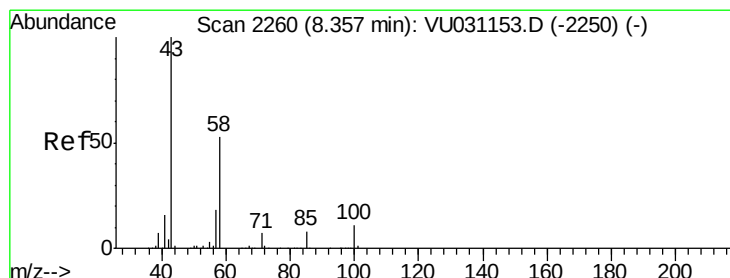
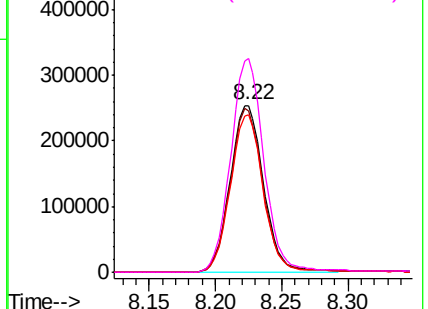
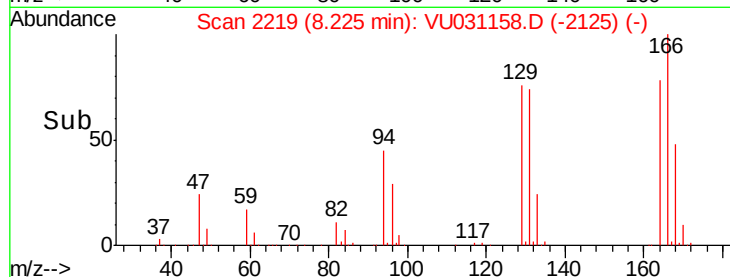


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1.809 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU031158.D

Acq: 13 Apr 2019 15:53

Tgt Ion: 43 Resp: 9604

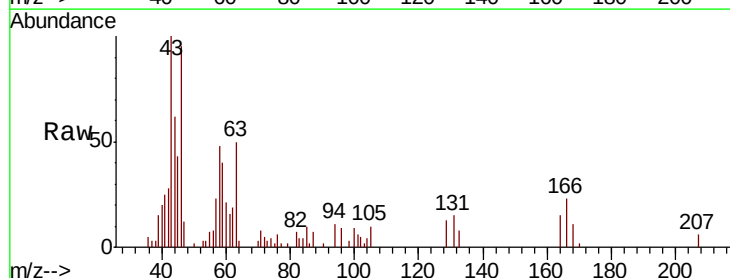
Ion Ratio Lower Upper

43 100

58 11.8 41.9 62.9#

57 21.4 14.3 21.5

100 9.5 7.1 10.7

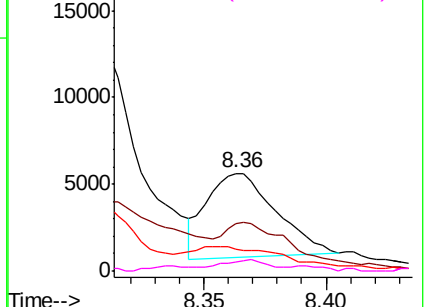
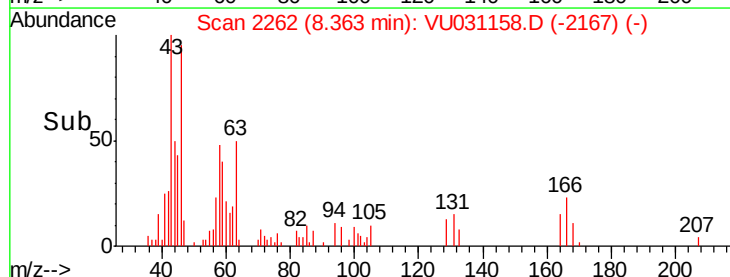


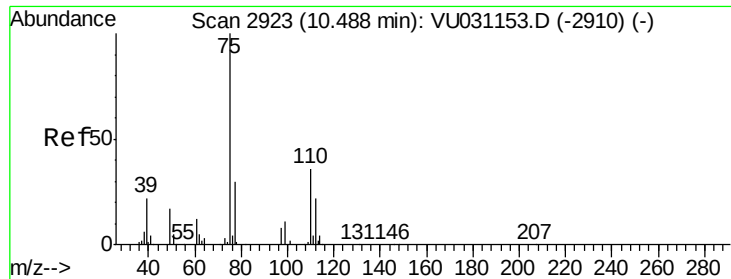
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 4.259 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031158.D

Acq: 13 Apr 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

BF2T4

Tot Ion: 75 Resp: 21582

Ion Ratio Lower Upper

75 100

77 38.3 26.1 39.1

