

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031038.D
 Acq On : 11 Apr 2019 01:40
 Operator : JC/SP
 Sample : K2340-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF2S5

Quant Time: Apr 11 05:26:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:17:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	521984	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	492684	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	218003	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	225032	48.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.58%
7) Chloroethane-d5	1.68	69	181590	51.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.70%
11) 1,1-Dichloroethene-d2	2.27	63	309315	36.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.40%
21) 2-Butanone-d5	4.17	46	389873	105.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.57%
24) Chloroform-d	4.64	84	366183	51.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.90%
26) 1,2-Dichloroethane-d4	5.30	65	250744	51.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.26%
32) Benzene-d6	5.34	84	758963	52.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.54%
36) 1,2-Dichloropropane-d6	6.32	67	258734	52.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.98%
41) Toluene-d8	7.56	98	665132	52.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.34%
43) trans-1,3-Dichloropropene-	7.85	79	109477	48.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.42%
47) 2-Hexanone-d5	8.31	63	237988	105.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	351319	52.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	235179	54.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.70%

Target Compounds

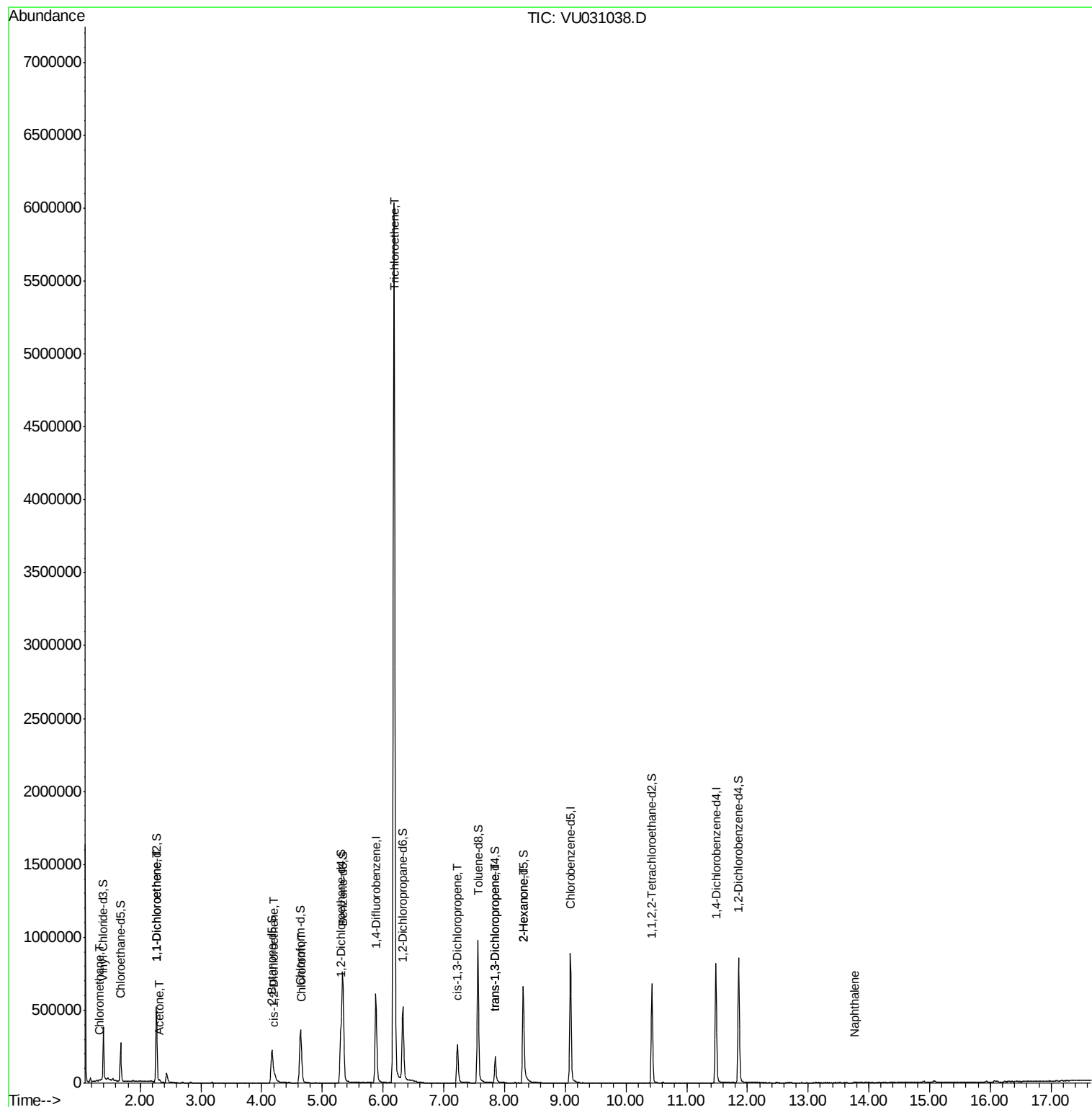
					Ovalue
3) Chloromethane	1.32	50	4469	0.754 ug/L	95
12) 1,1-Dichloroethene	2.27	96	2979	0.826 ug/L #	1
13) Acetone	2.32	43	17892	4.735 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	7468	1.765 ug/L	95
25) Chloroform	4.67	83	11000	1.384 ug/L	99
34) Trichloroethene	6.18	95	2155737	545.151 ug/L	97
39) cis-1,3-Dichloropropene	7.23	75	6008	0.925 ug/L #	68
44) trans-1,3-Dichloropropene	7.85	75	3209	0.560 ug/L	83
48) 2-Hexanone	8.31	43	30957	5.405 ug/L #	76
69) Naphthalene	13.77	128	7447	0.537 ug/L #	79

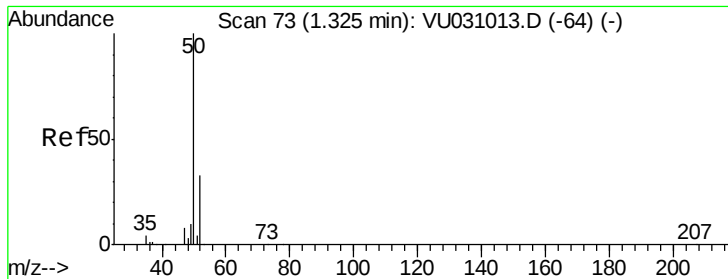
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 11 05:17:40 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.754 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU031038.D

Acq: 11 Apr 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

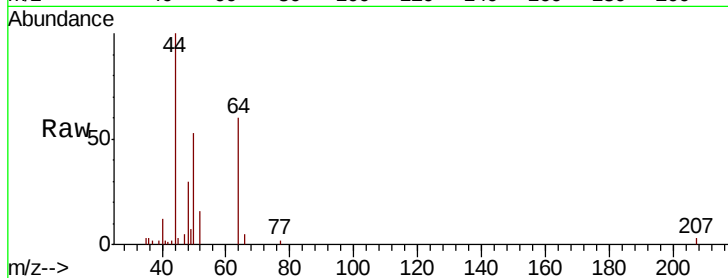
BF2S5

Tot Ion: 50 Resp: 4469

Ion Ratio Lower Upper

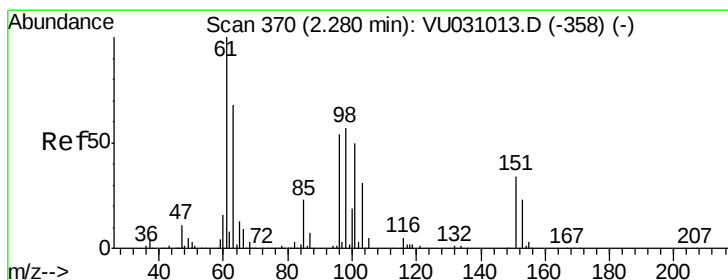
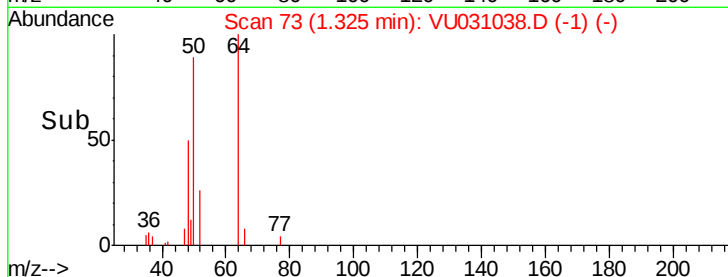
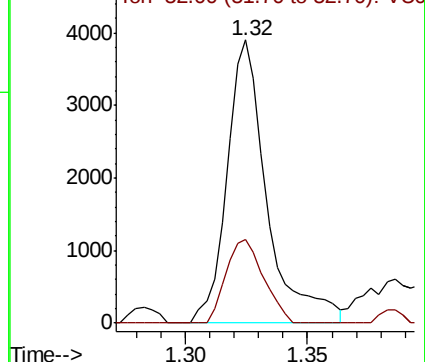
50 100

52 29.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#12

1,1-Dichloroethene

Concen: 0.826 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031038.D

Acq: 11 Apr 2019 01:40

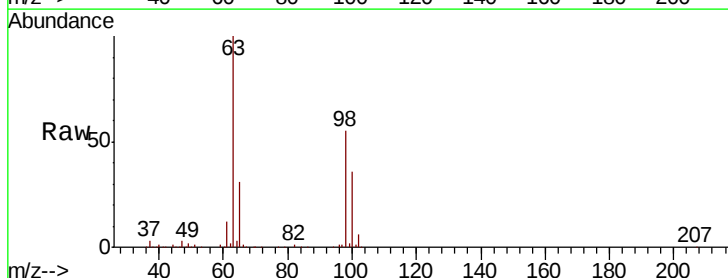
Tgt Ion: 96 Resp: 2979

Ion Ratio Lower Upper

96 100

61 1233.8 132.0 245.2#

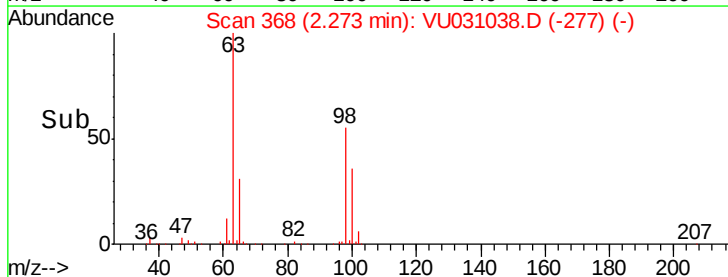
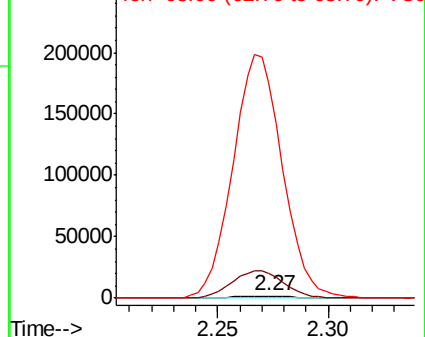
63 10639.5 90.9 168.9#

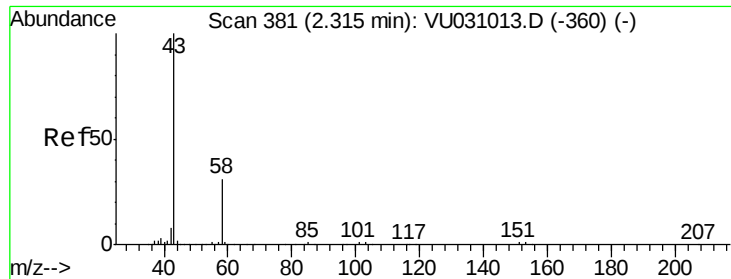


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.735 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031038.D

Acq: 11 Apr 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

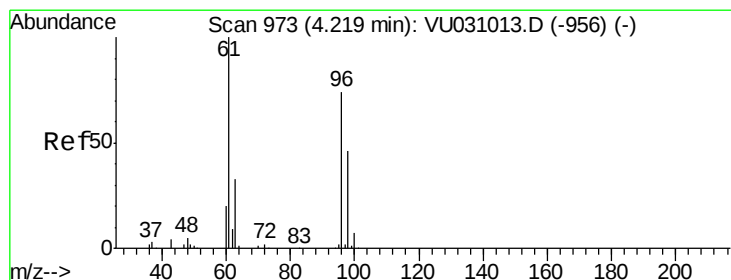
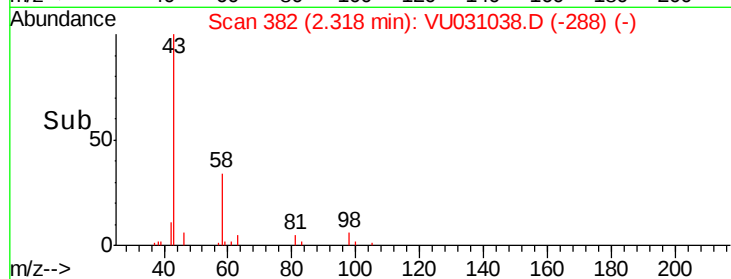
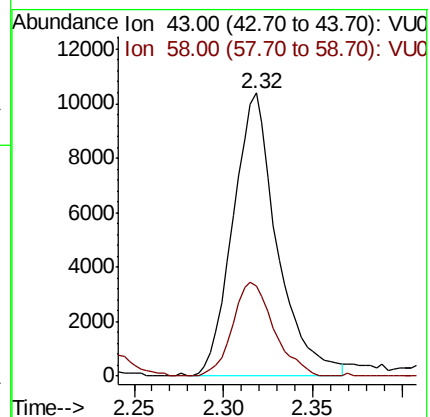
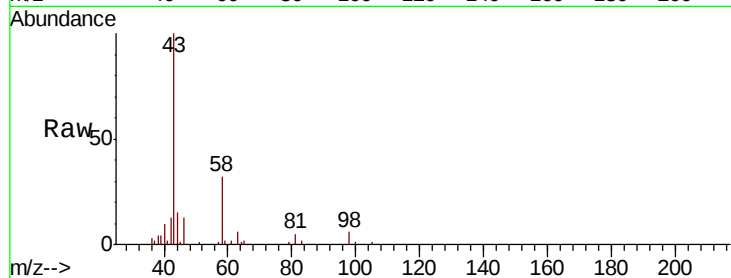
BF2S5

Tot Ion: 43 Resp: 17892

Ion Ratio Lower Upper

43 100

58 30.9 0.0 64.0



#20

cis-1,2-Dichloroethene

Concen: 1.765 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU031038.D

Acq: 11 Apr 2019 01:40

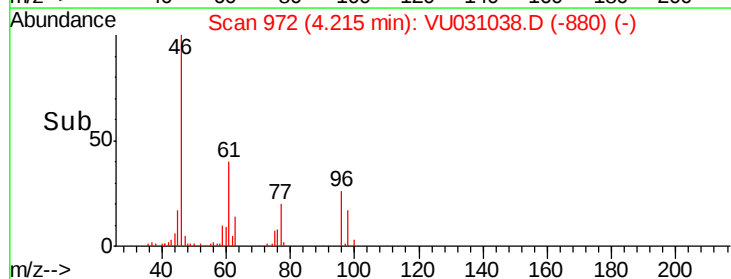
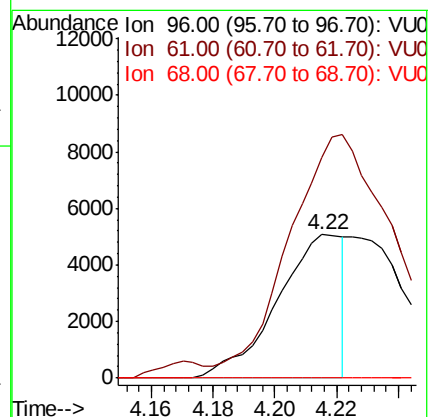
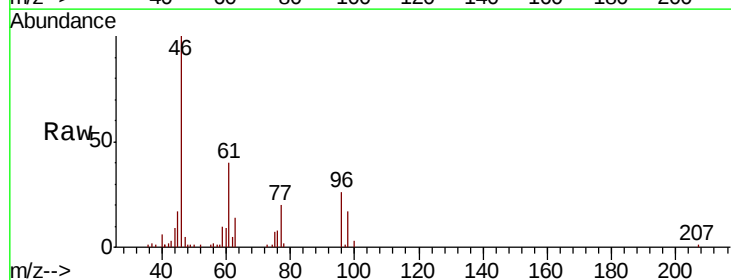
Tgt Ion: 96 Resp: 7468

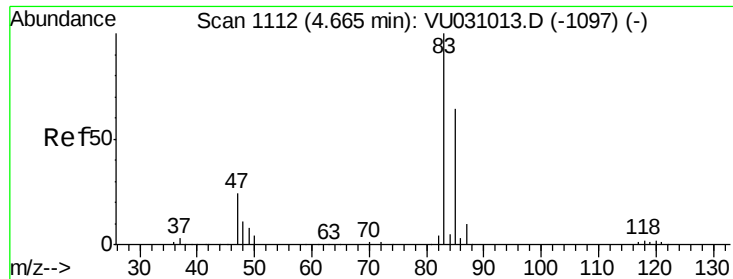
Ion Ratio Lower Upper

96 100

61 153.6 102.9 191.1

68 0.0 0.0 0.0

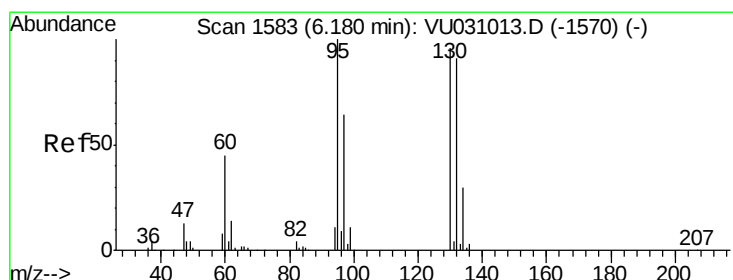
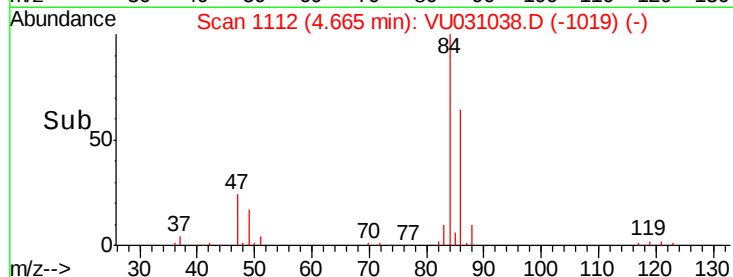
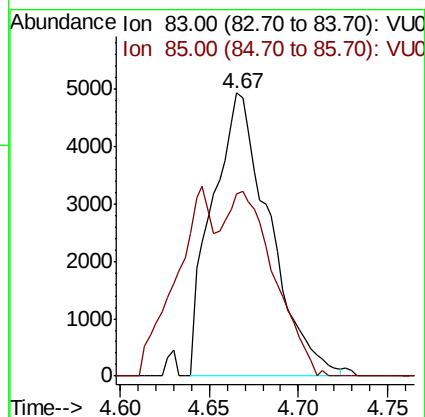
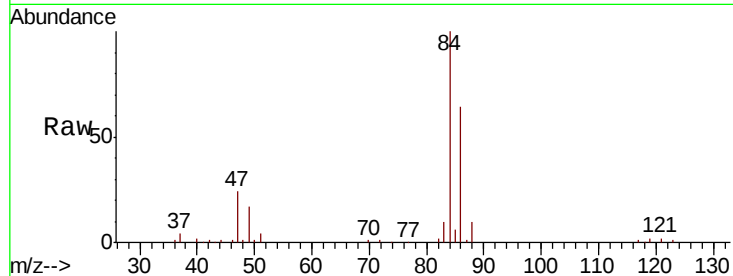




#25
Chloroform
Concen: 1.384 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU031038.D
Acq: 11 Apr 2019 01:40

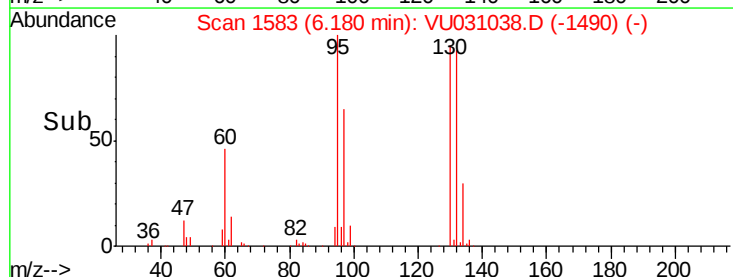
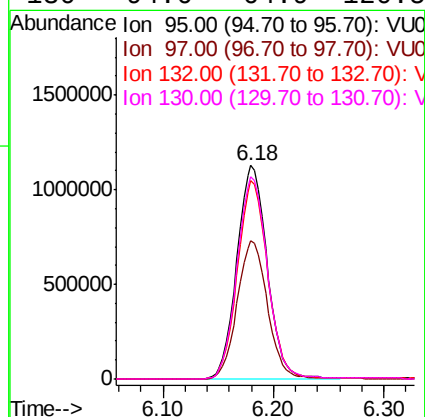
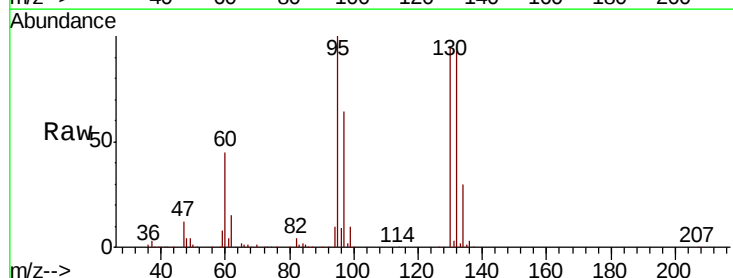
Instrument :
MSVOA_U
ClientSampled :
BF2S5

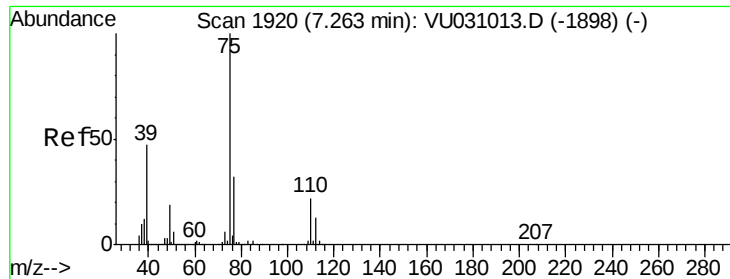
Tot Ion: 83 Resp: 11000
Ion Ratio Lower Upper
83 100
85 64.4 45.8 85.0



#34
Trichloroethene
Concen: 545.151 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU031038.D
Acq: 11 Apr 2019 01:40

Tgt Ion: 95 Resp: 2155737
Ion Ratio Lower Upper
95 100
97 64.5 44.5 82.7
132 92.7 61.5 114.1
130 94.6 64.9 120.5





#39

cis-1,3-Dichloropropene

Concen: 0.925 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU031038.D

Acq: 11 Apr 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

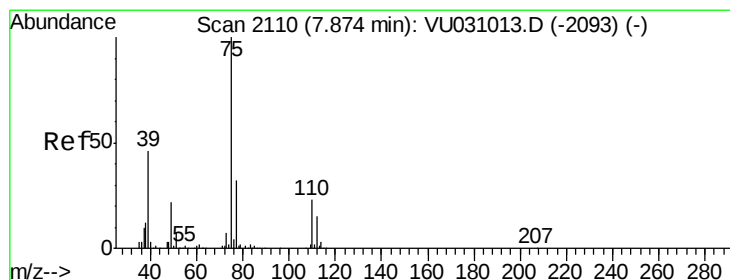
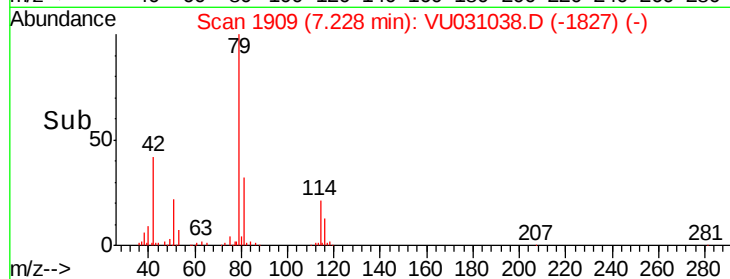
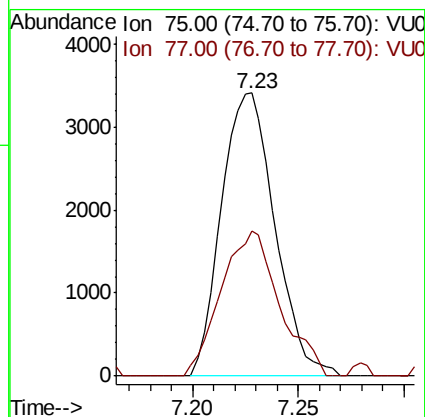
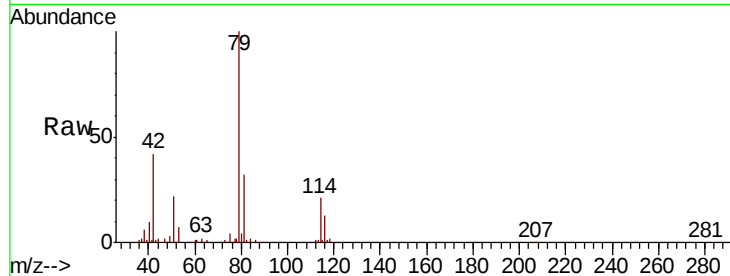
BF2S5

Tot Ion: 75 Resp: 6008

Ion Ratio Lower Upper

75 100

77 51.3 23.1 42.9#



#44

trans-1,3-Dichloropropene

Concen: 0.560 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031038.D

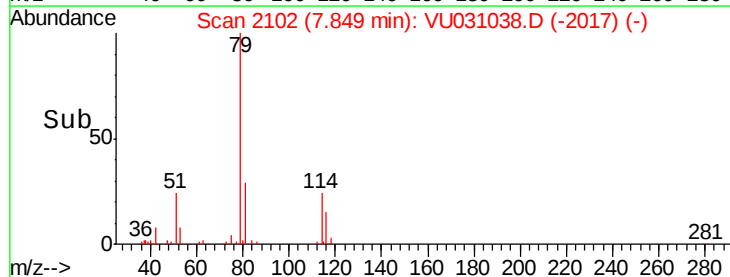
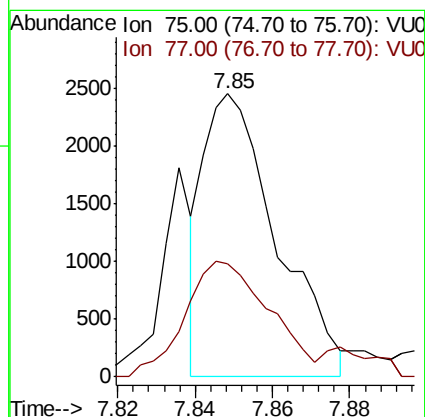
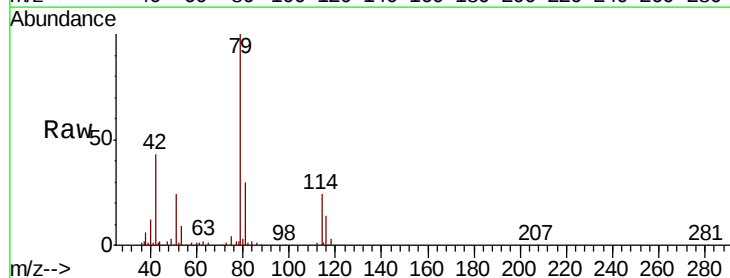
Acq: 11 Apr 2019 01:40

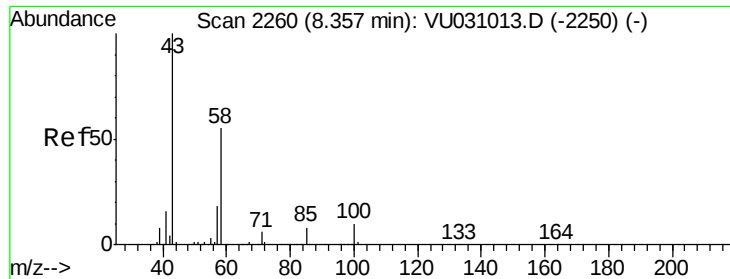
Tgt Ion: 75 Resp: 3209

Ion Ratio Lower Upper

75 100

77 39.9 21.6 40.0

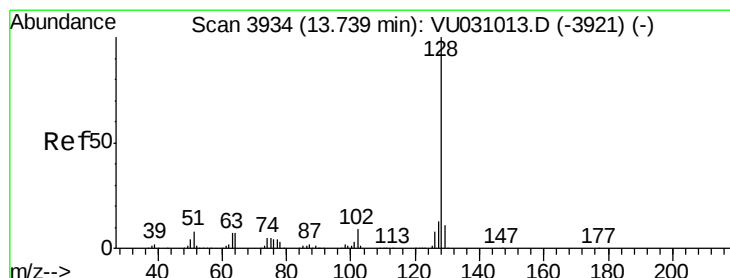
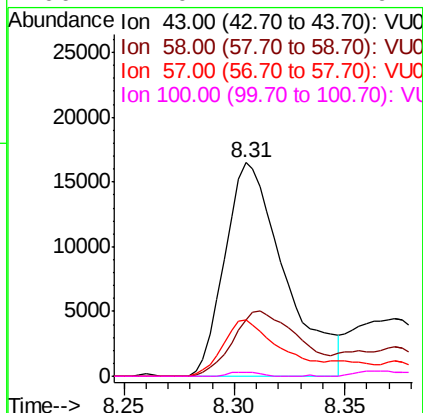
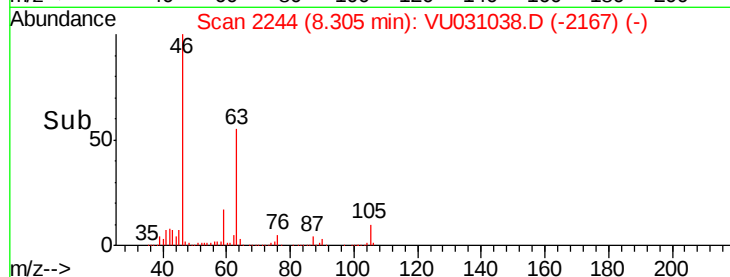
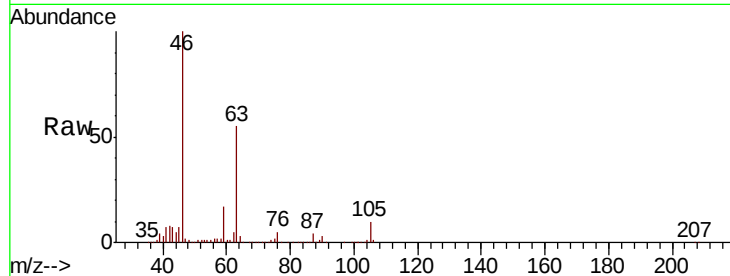




#48
2-Hexanone
Concen: 5.405 ug/L
RT: 8.31 min Scan# 2244
Delta R.T. -0.05 min
Lab File: VU031038.D
Acq: 11 Apr 2019 01:40

Instrument :
MSVOA_U
ClientSampleId :
BF2S5

Tot Ion: 43 Resp: 30957
Ion Ratio Lower Upper
43 100
58 34.2 41.9 62.9#
57 25.8 14.3 21.5#
100 1.0 7.1 10.7#



#69
Naphthalene
Concen: 0.537 ug/L
RT: 13.77 min Scan# 3945
Delta R.T. 0.04 min
Lab File: VU031038.D
Acq: 11 Apr 2019 01:40

Tgt Ion: 128 Resp: 7447
Ion Ratio Lower Upper
128 100
127 4.2 10.4 15.6#
129 3.1 8.6 12.8#

