

Data File : VU030521.D
Acq On : 28 Mar 2019 17:47
Operator : JC/SP
Sample : K2128-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1H2

Quant Time: Mar 29 01:23:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 29 01:19:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	400314	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	376775	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	141538	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	146701	45.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.08%
7) Chloroethane-d5	1.68	69	125760	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.50%
11) 1,1-Dichloroethene-d2	2.27	63	211071	34.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.08%
21) 2-Butanone-d5	4.17	46	287887	95.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.06%
24) Chloroform-d	4.64	84	269002	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
26) 1,2-Dichloroethane-d4	5.31	65	185173	50.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.96%
32) Benzene-d6	5.34	84	528703	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.86%
36) 1,2-Dichloropropane-d6	6.32	67	193370	52.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.62%
41) Toluene-d8	7.56	98	443484	45.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.85	79	80242	46.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.32%
47) 2-Hexanone-d5	8.31	63	162917	81.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.33%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	259578	49.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	146633	51.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

					Qvalue
8) Chloroethane	1.59	64	3072	1.162 ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	17607	6.026 ug/L	95
12) 1,1-Dichloroethene	2.28	96	1731	0.604 ug/L #	1
13) Acetone	2.32	43	4613	1.506 ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	5808	1.723 ug/L	91
34) Trichloroethene	6.18	95	31798	10.085 ug/L	95
37) 1,2-Dichloropropane	6.33	63	19362	5.320 ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	4706	0.900 ug/L #	68
44) trans-1,3-Dichloropropene	7.85	75	3321	0.721 ug/L	93
48) 2-Hexanone	8.36	43	17118	3.416 ug/L #	94
59) 1,2,3-Trichloropropane	11.48	75	19006	4.290 ug/L	92

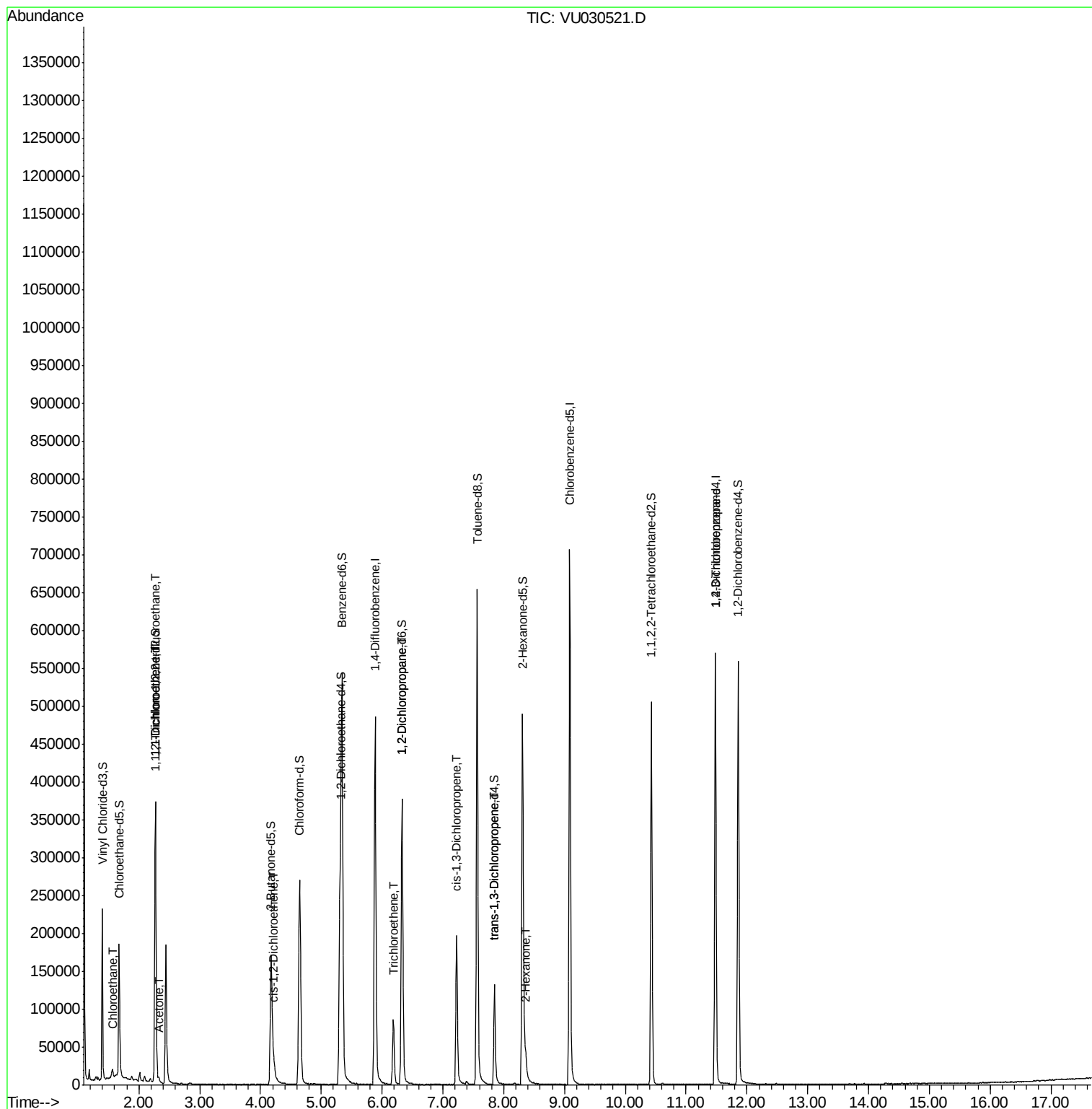
(#) = qualifier out of range (m) = manual integration (+) = signals summed

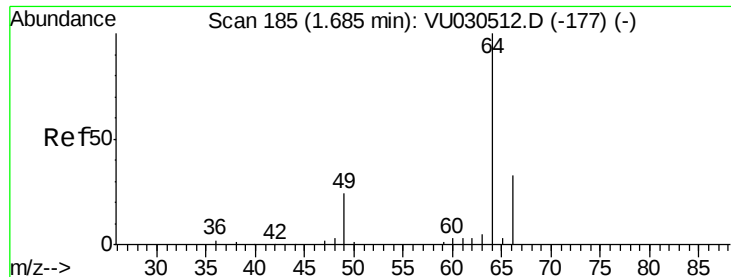
Data File : VU030521.D

```
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Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 29 01:19:16 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.162 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.10 min

Lab File: VU030521.D

Acq: 28 Mar 2019 17:47

Instrument :

MSVOA_U

ClientSampled :

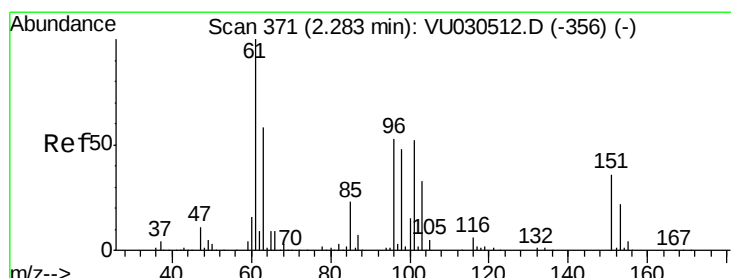
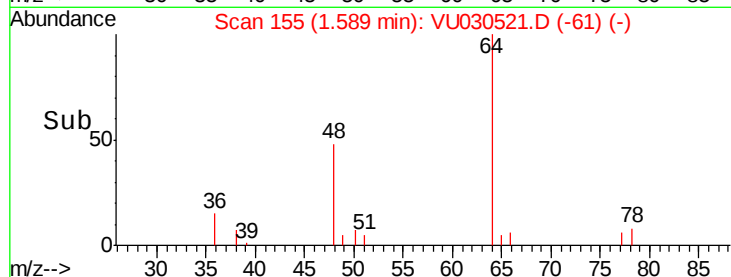
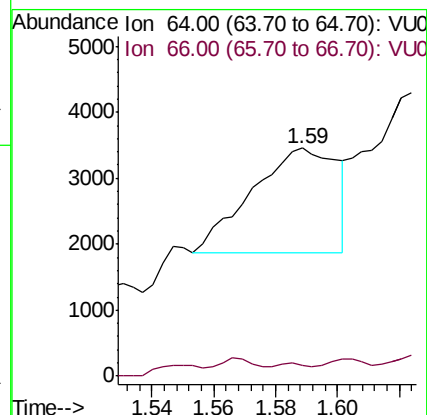
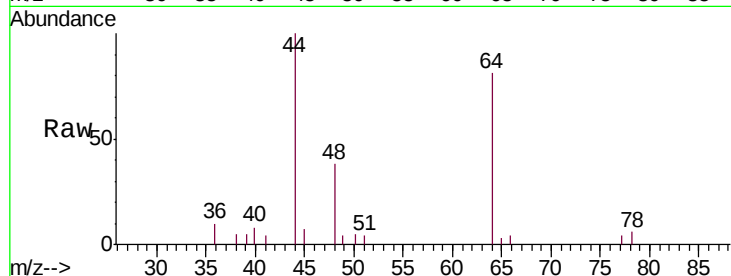
BF1H2

Tgt Ion: 64 Resp: 3072

Ion Ratio Lower Upper

64 100

66 5.0 22.5 41.7#



#10

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

Concen: 6.026 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030521.D

Acq: 28 Mar 2019 17:47

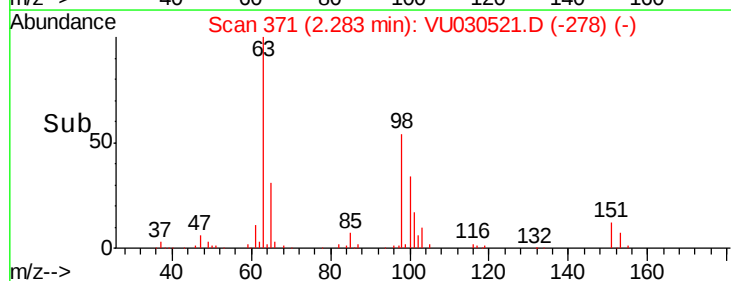
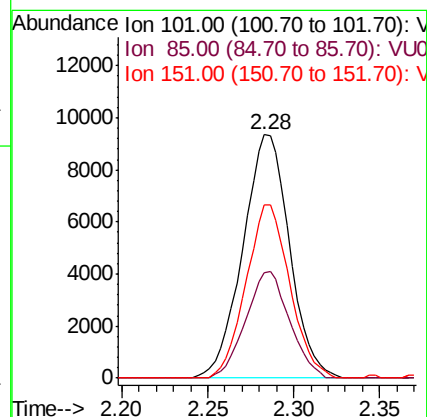
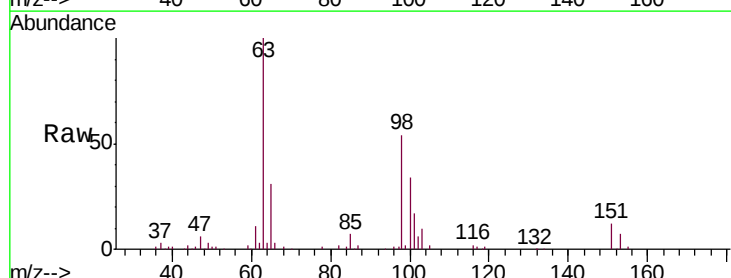
Tgt Ion: 101 Resp: 17607

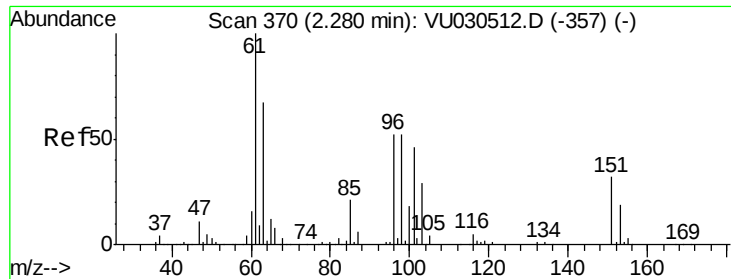
Ion Ratio Lower Upper

101 100

85 41.0 34.8 52.2

151 66.8 56.6 85.0





#12

1,1-Dichloroethene

Concen: 0.604 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU030521.D

Acq: 28 Mar 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

BF1H2

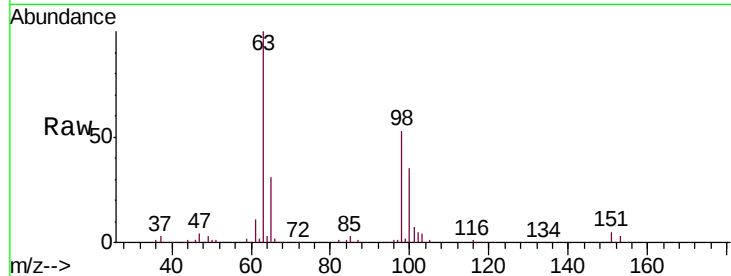
Tgt Ion: 96 Resp: 1731

Ion Ratio Lower Upper

96 100

61 1142.1 131.0 243.4#

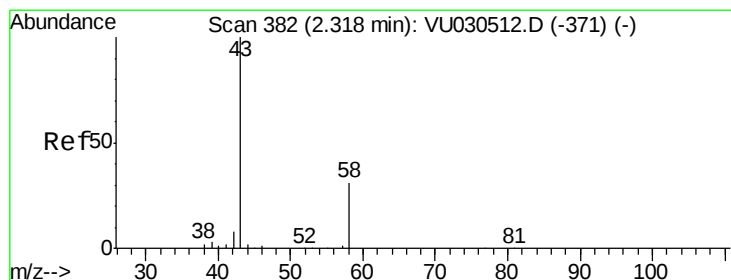
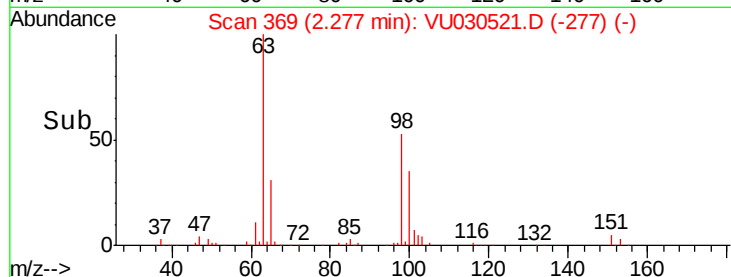
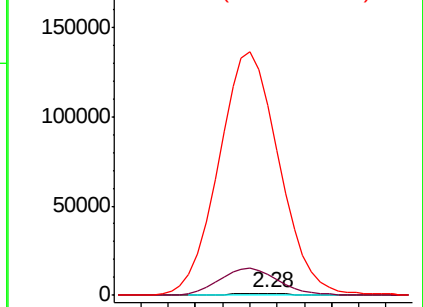
63 10264.6 92.4 171.6#



Abundance Ion 96.00 (95.70 to 96.70): VU030521.D (-357) (-)

Ion 61.00 (60.70 to 61.70): VU030521.D (-357) (-)

Ion 63.00 (62.70 to 63.70): VU030521.D (-357) (-)



#13

Acetone

Concen: 1.506 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU030521.D

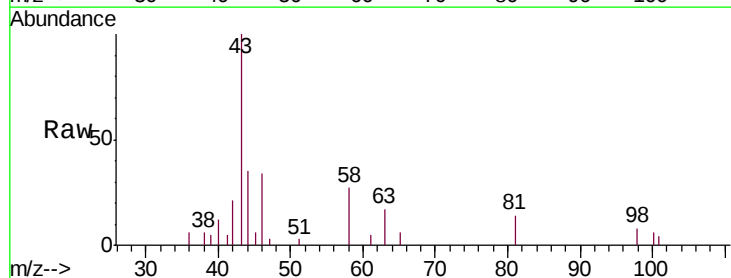
Acq: 28 Mar 2019 17:47

Tgt Ion: 43 Resp: 4613

Ion Ratio Lower Upper

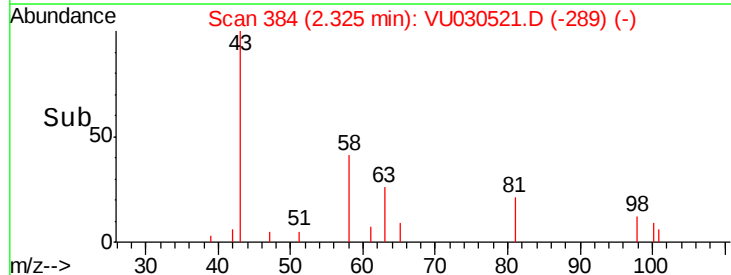
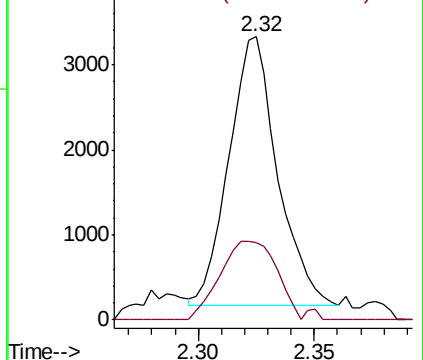
43 100

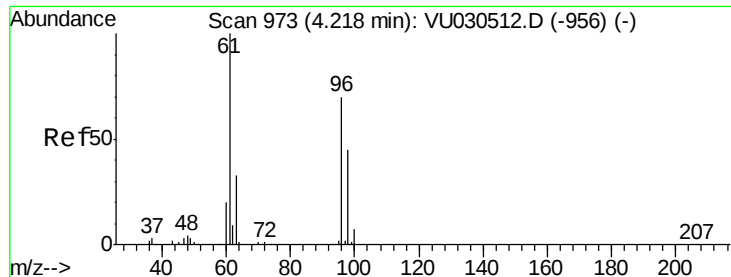
58 34.0 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030521.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU030521.D (-289) (-)

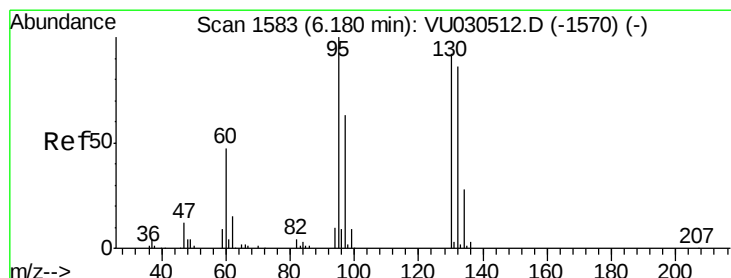
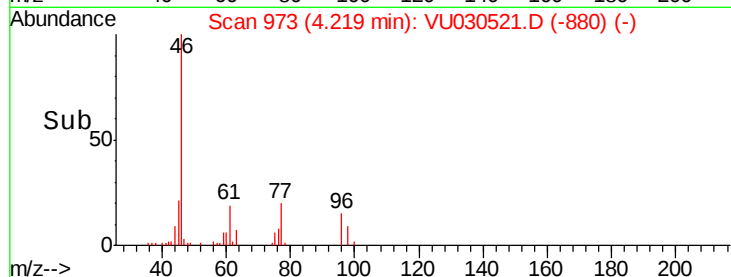
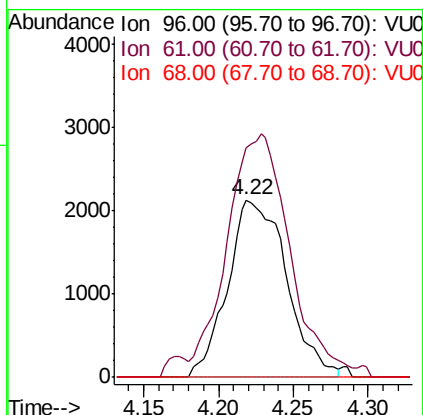
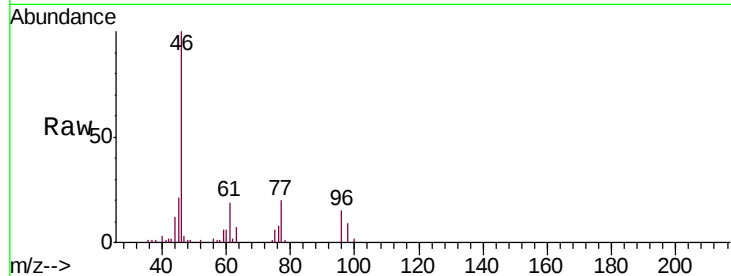




#20
 cis-1,2-Dichloroethene
 Concen: 1.723 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030521.D
 Acq: 28 Mar 2019 17:47

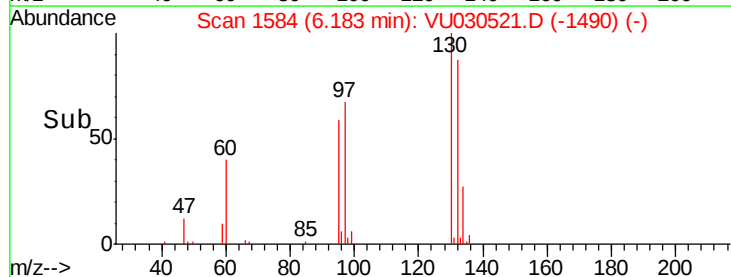
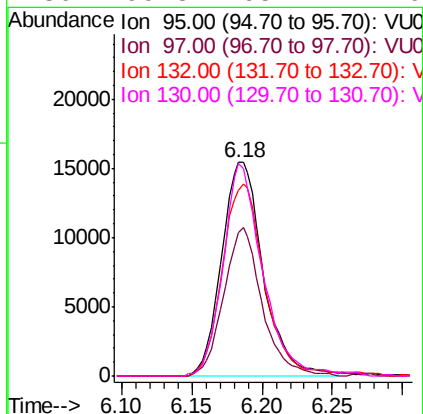
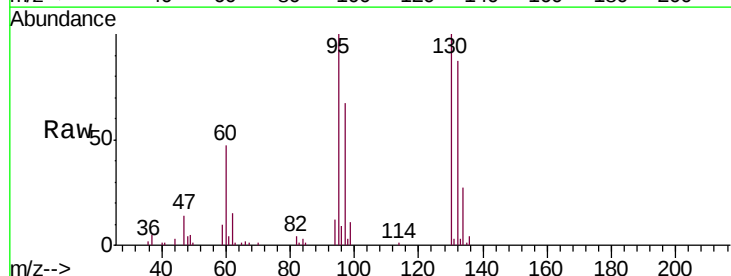
Instrument :
 MSVOA_U
 ClientSampleId :
 BF1H2

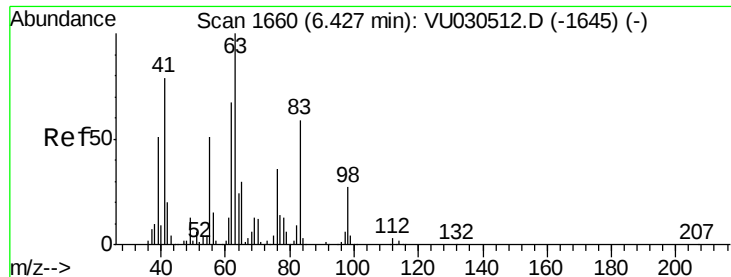
Tgt Ion: 96 Resp: 5808
 Ion Ratio Lower Upper
 96 100
 61 129.5 98.4 182.8
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 10.085 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030521.D
 Acq: 28 Mar 2019 17:47

Tgt Ion: 95 Resp: 31798
 Ion Ratio Lower Upper
 95 100
 97 67.3 45.7 84.9
 132 86.8 63.8 118.4
 130 99.8 65.7 121.9





#37

1,2-Dichloropropane

Concen: 5.320 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU030521.D

Acq: 28 Mar 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

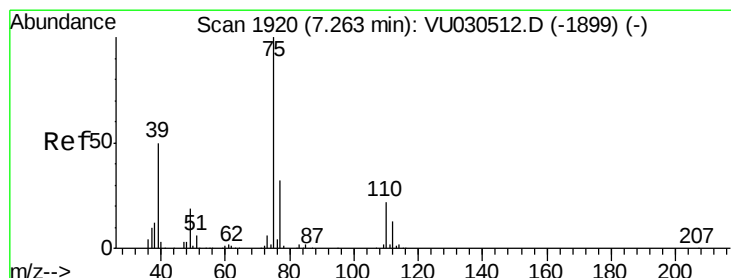
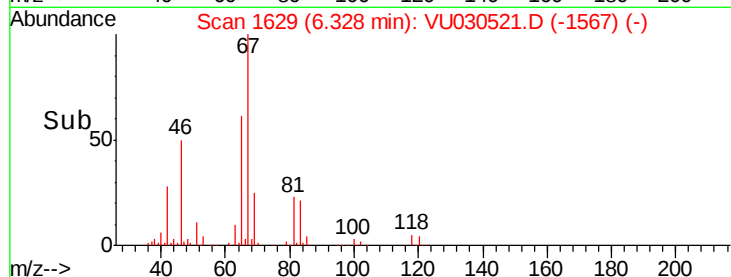
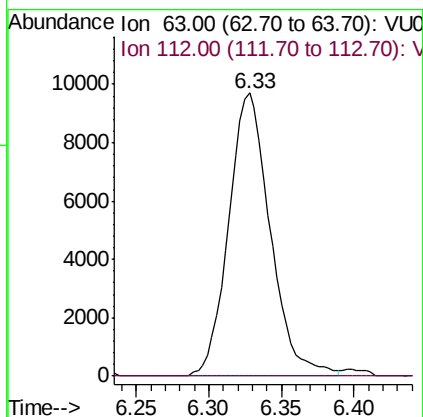
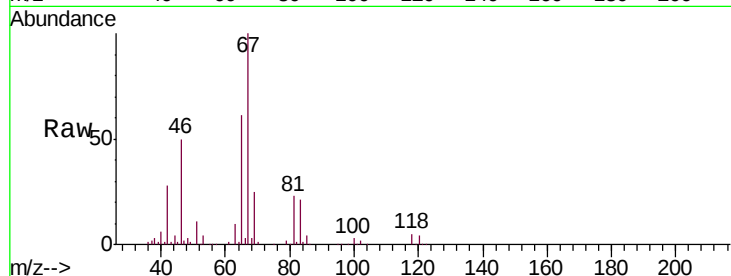
BF1H2

Tgt Ion: 63 Resp: 19362

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#



#39

cis-1,3-Dichloropropene

Concen: 0.900 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU030521.D

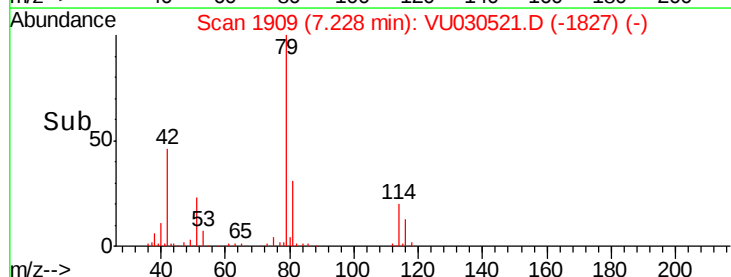
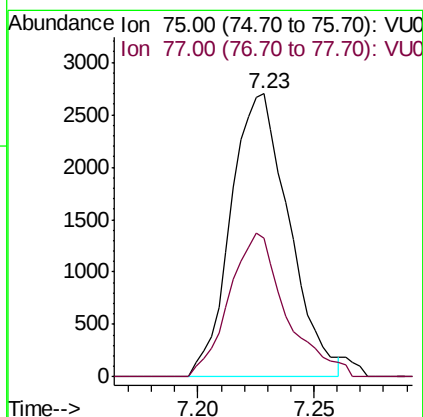
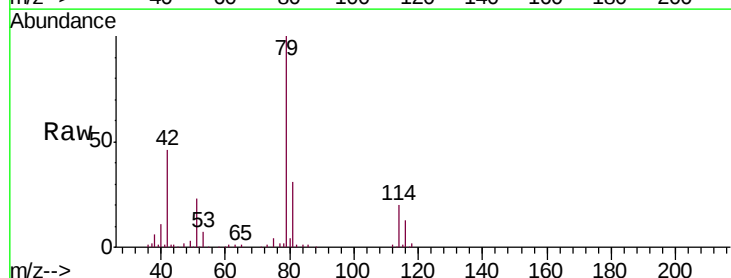
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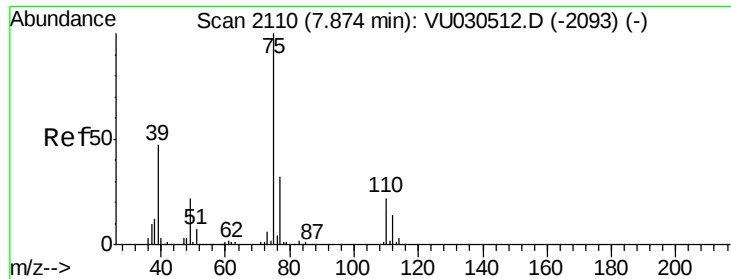
Tgt Ion: 75 Resp: 4706

Ion Ratio Lower Upper

75 100

77 48.9 21.8 40.6#

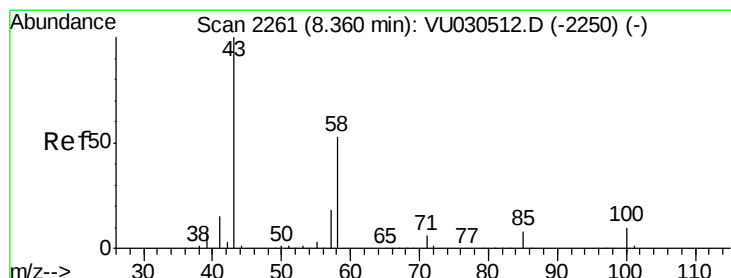
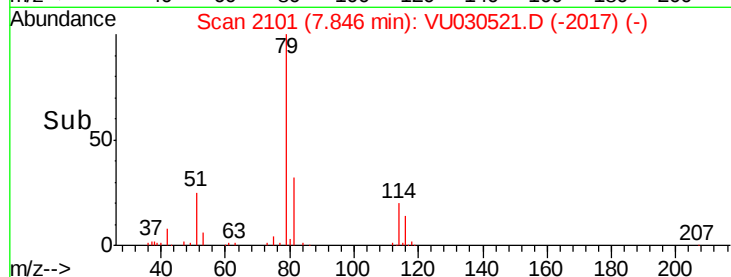
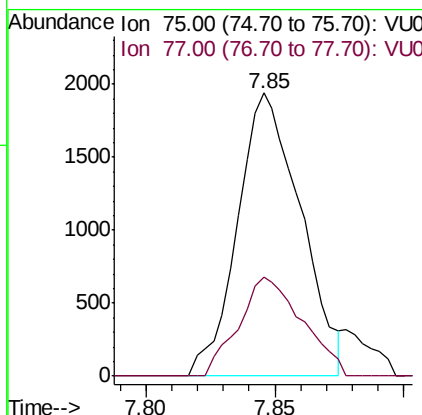
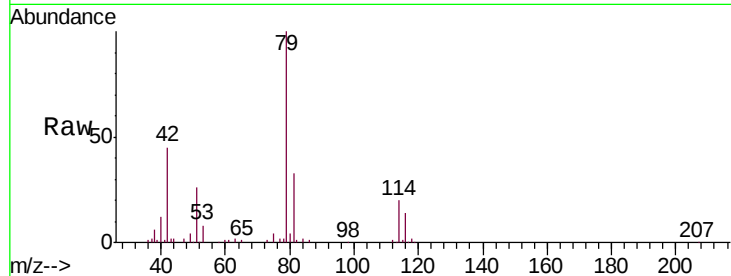




#44
trans-1,3-Dichloropropene
Concen: 0.721 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030521.D
Acq: 28 Mar 2019 17:47

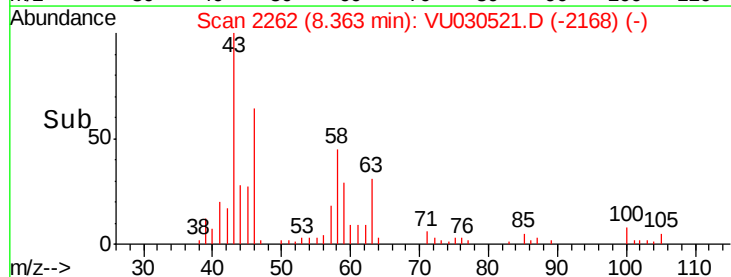
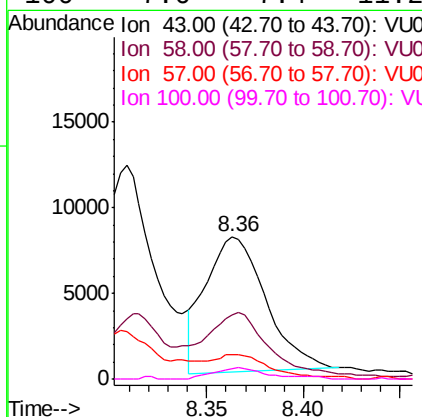
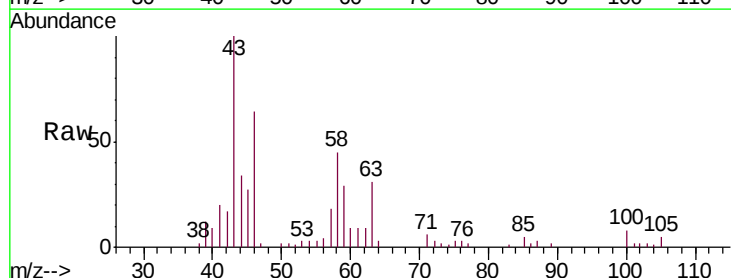
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BF1H2

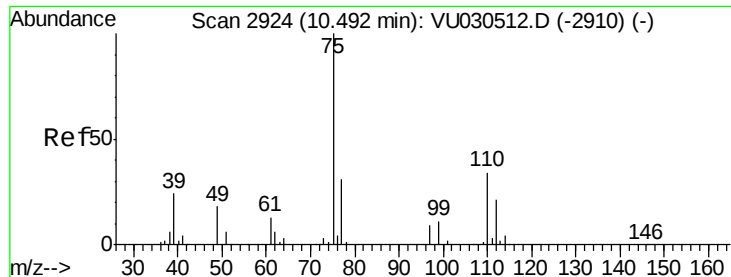
Tgt Ion: 75 Resp: 3321
Ion Ratio Lower Upper
75 100
77 35.1 22.0 40.8



#48
2-Hexanone
Concen: 3.416 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030521.D
Acq: 28 Mar 2019 17:47

Tgt Ion: 43 Resp: 17118
Ion Ratio Lower Upper
43 100
58 51.1 42.5 63.7
57 12.0 15.0 22.6#
100 7.6 7.4 11.2





#59

1,2,3-Trichloropropane

Concen: 4.290 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030521.D

Acq: 28 Mar 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

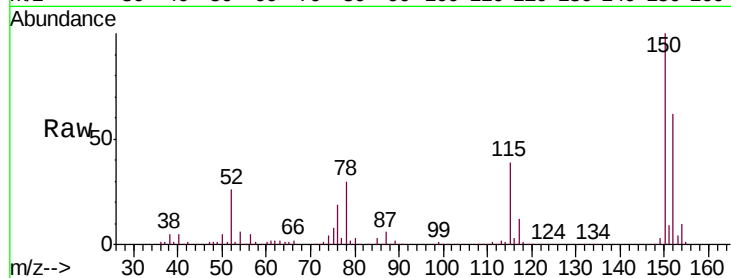
BF1H2

Tgt Ion: 75 Resp: 19006

Ion Ratio Lower Upper

75 100

77 36.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

