

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
 Data File : VU031251.D
 Acq On : 17 Apr 2019 11:46
 Operator : JC/SP
 Sample : K2409-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC27

Quant Time: Apr 18 04:53:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 04:50:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	482702	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	461535	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	190139	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	188429	42.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.78%
7) Chloroethane-d5	1.68	69	165922	42.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.98%
11) 1,1-Dichloroethene-d2	2.27	63	315324	35.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.62%
21) 2-Butanone-d5	4.19	46	291269	89.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.96%
24) Chloroform-d	4.64	84	319972	43.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.28%
26) 1,2-Dichloroethane-d4	5.31	65	206898	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.60%
32) Benzene-d6	5.34	84	638685	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.54%
36) 1,2-Dichloropropane-d6	6.33	67	214772	45.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.70%
41) Toluene-d8	7.56	98	566355	44.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.22%
43) trans-1,3-Dichloropropene-	7.85	79	97396	43.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.06%
47) 2-Hexanone-d5	8.31	63	199439	89.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	290760	44.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	200962	46.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.18%

Target Compounds

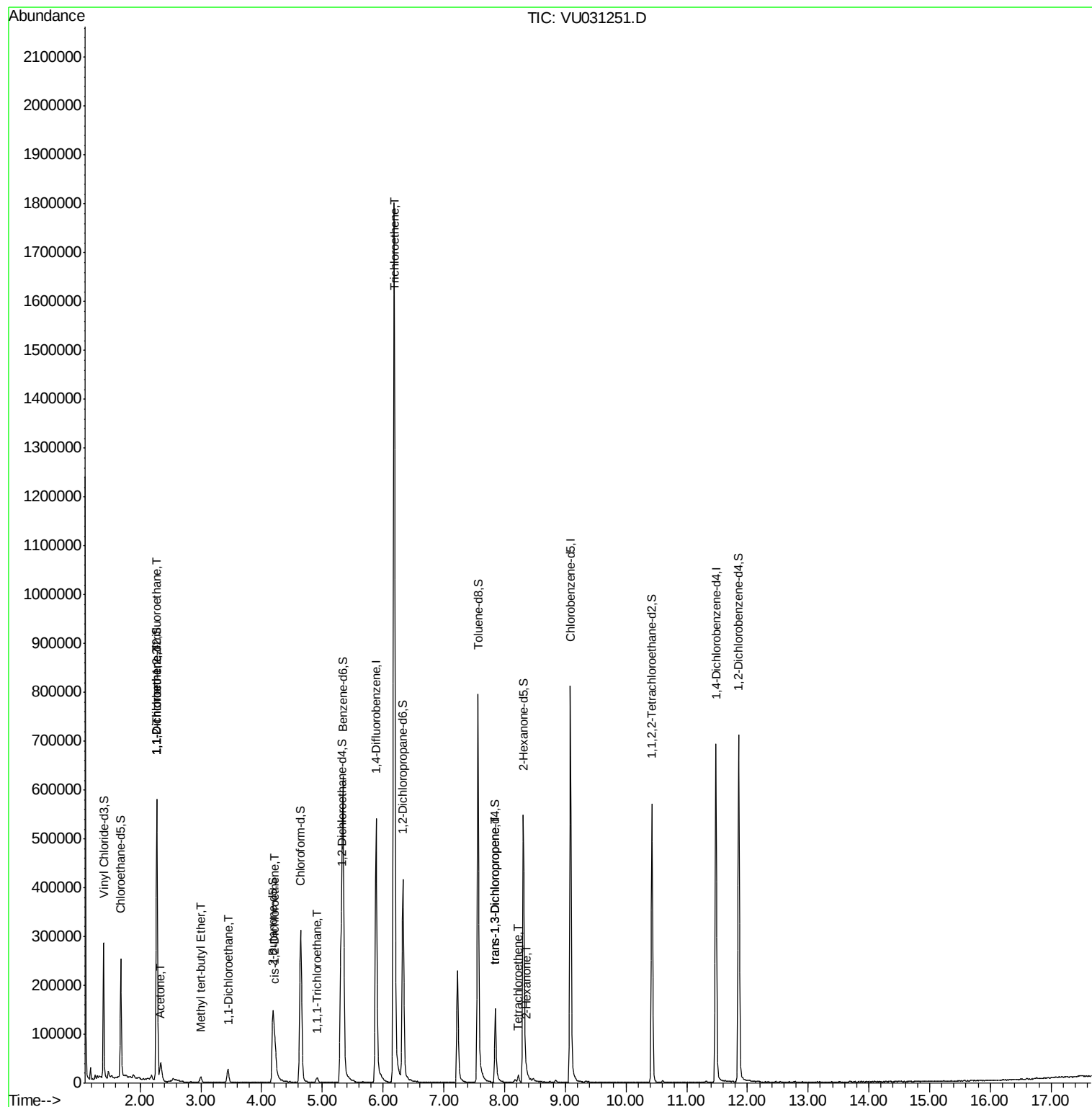
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	2592	0.674	ug/L #	19
12) 1,1-Dichloroethene	2.28	96	52300	13.863	ug/L #	22
13) Acetone	2.34	43	53828	21.604	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	11741	1.085	ug/L #	74
19) 1,1-Dichloroethane	3.45	63	29741	4.353	ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	17793	4.448	ug/L	93
30) 1,1,1-Trichloroethane	4.92	97	7337	1.201	ug/L #	75
34) Trichloroethene	6.18	95	667166	171.769	ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	3905	0.730	ug/L	93
46) Tetrachloroethene	8.23	164	3113	1.066	ug/L	88
48) 2-Hexanone	8.37	43	4651	1.008	ug/L #	48

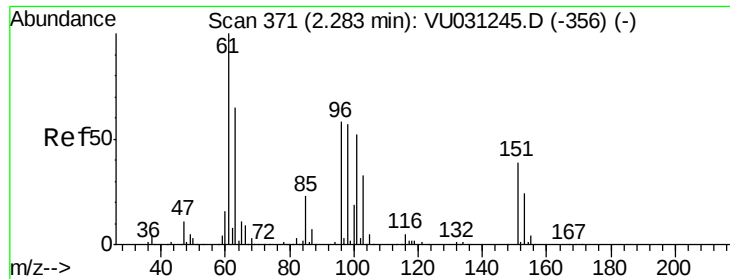
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.674 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU031251.D

Acq: 17 Apr 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

BFC27

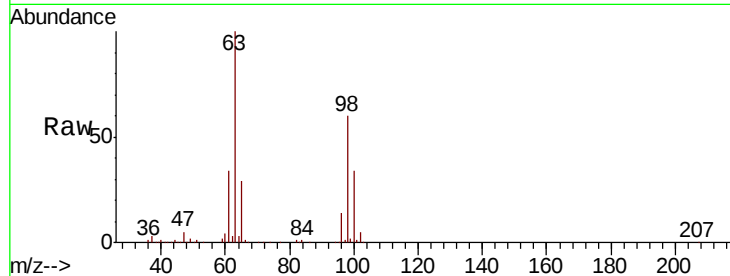
Tgt Ion: 101 Resp: 2592

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.0#

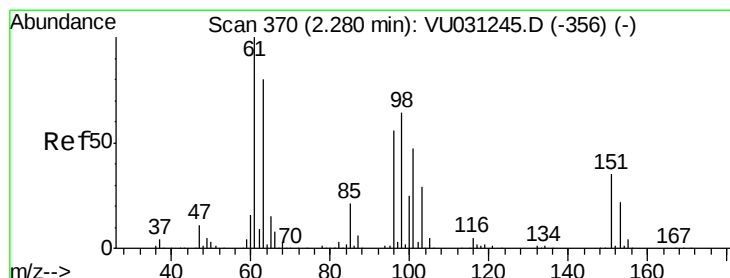
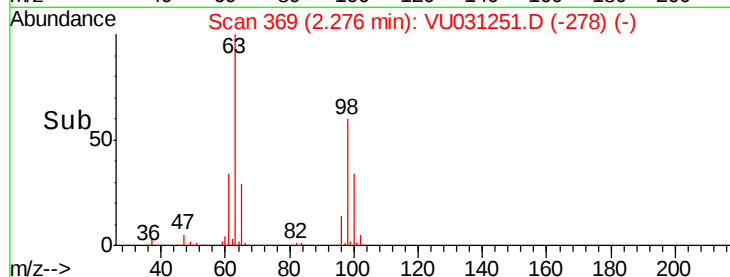
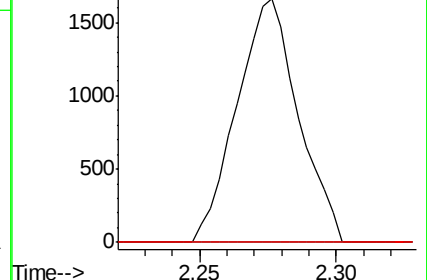
151 0.0 59.8 89.8#



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: 13.863 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031251.D

Acq: 17 Apr 2019 11:46

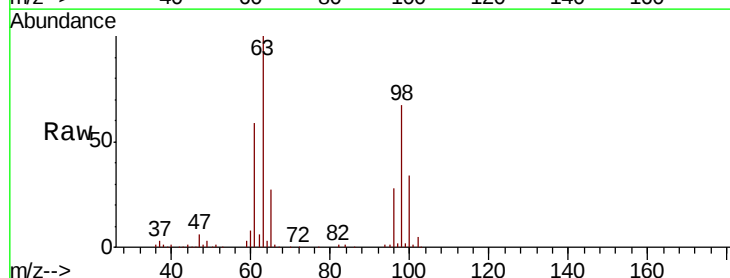
Tgt Ion: 96 Resp: 52300

Ion Ratio Lower Upper

96 100

61 208.7 130.4 242.2

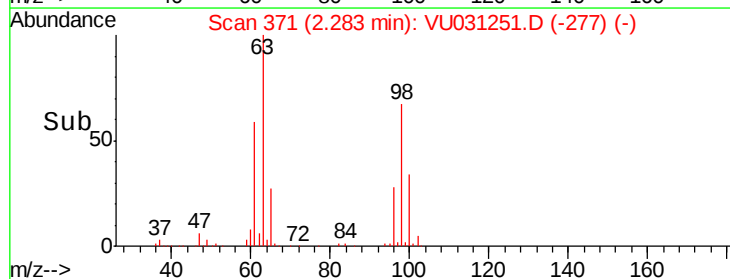
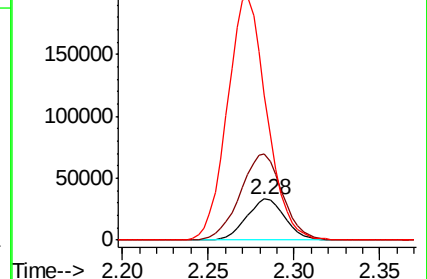
63 353.2 108.9 202.3#

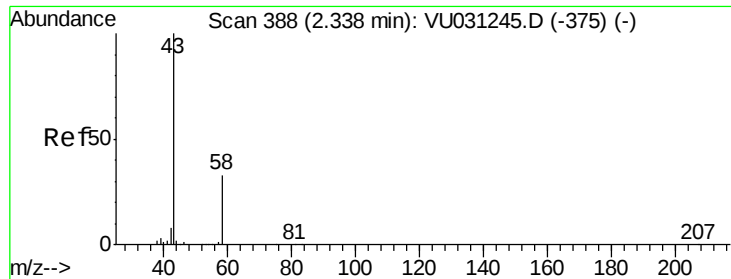


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 21.604 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU031251.D

Acq: 17 Apr 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

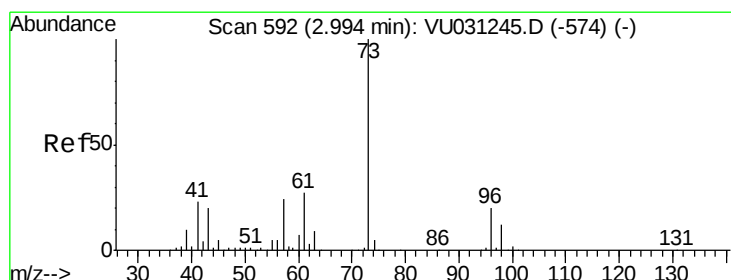
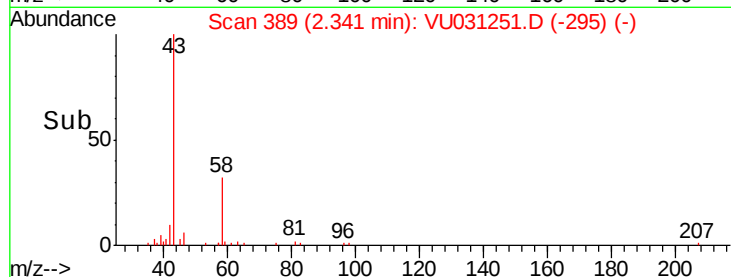
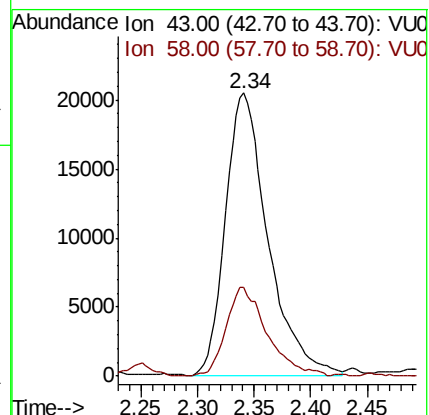
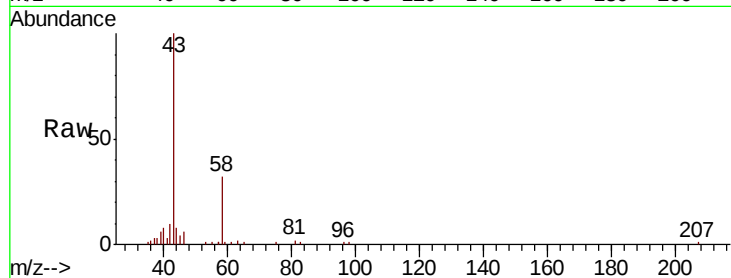
BFC27

Tgt Ion: 43 Resp: 53828

Ion Ratio Lower Upper

43 100

58 30.1 0.0 65.0



#18

Methyl tert-butyl Ether

Concen: 1.085 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU031251.D

Acq: 17 Apr 2019 11:46

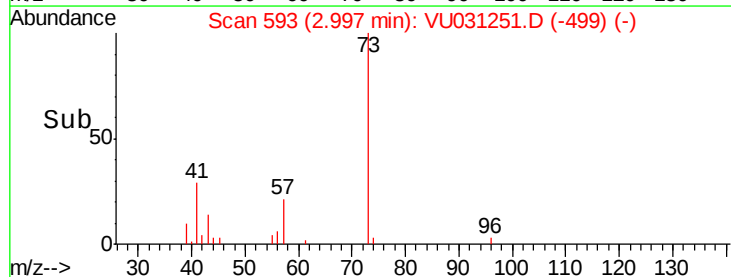
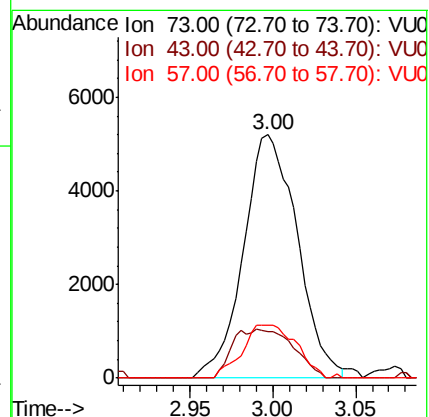
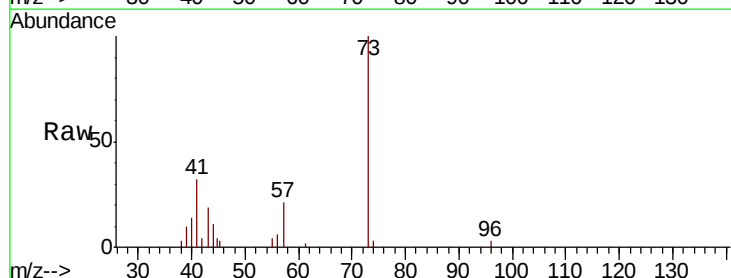
Tgt Ion: 73 Resp: 11741

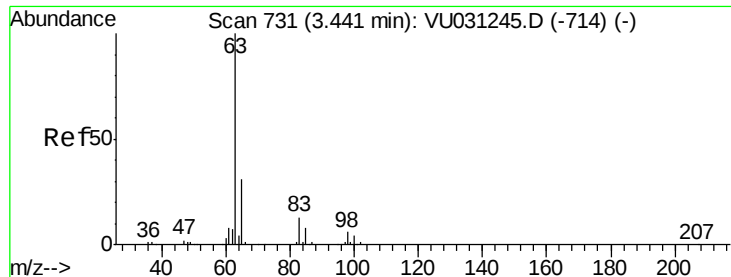
Ion Ratio Lower Upper

73 100

43 6.5 15.6 23.4#

57 10.9 18.0 27.0#

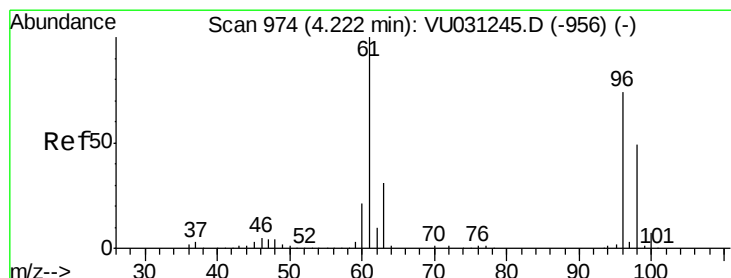
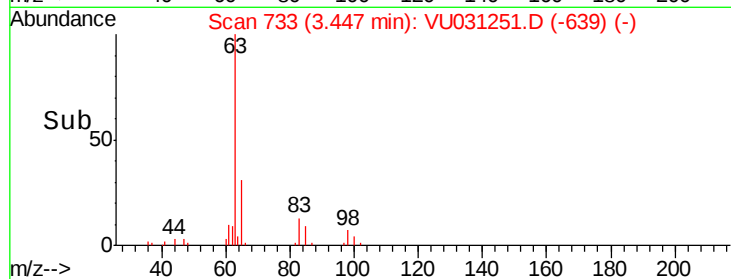
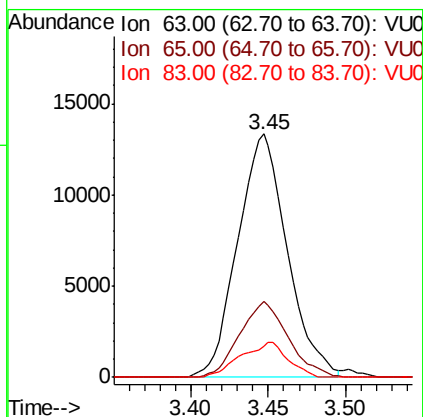
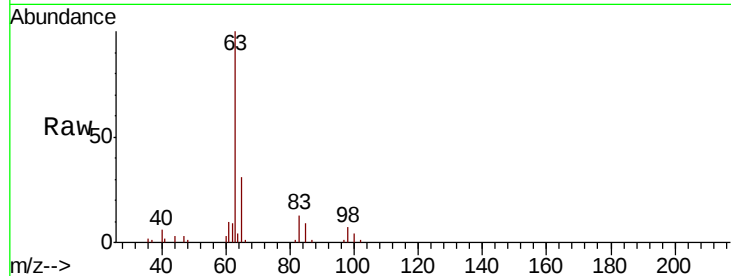




#19
 1,1-Dichloroethane
 Concen: 4.353 ug/L
 RT: 3.45 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: VU031251.D
 Acq: 17 Apr 2019 11:46

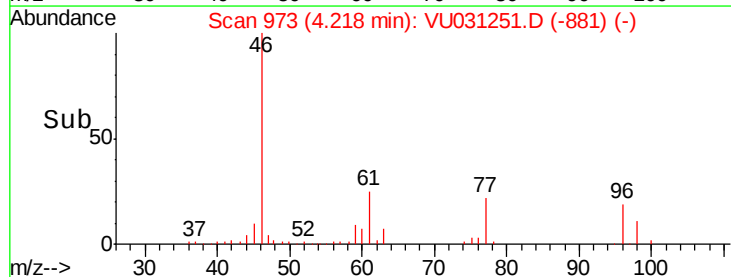
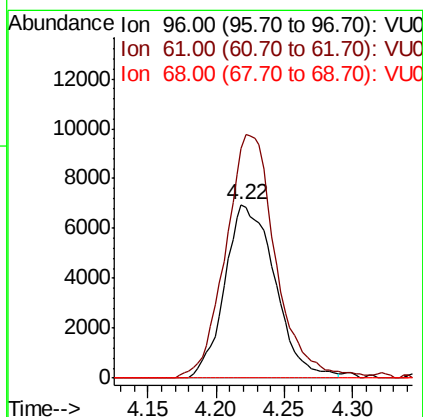
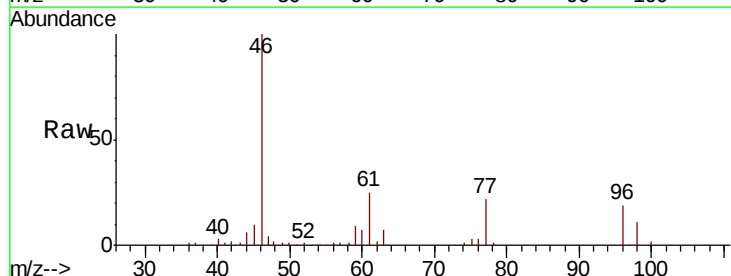
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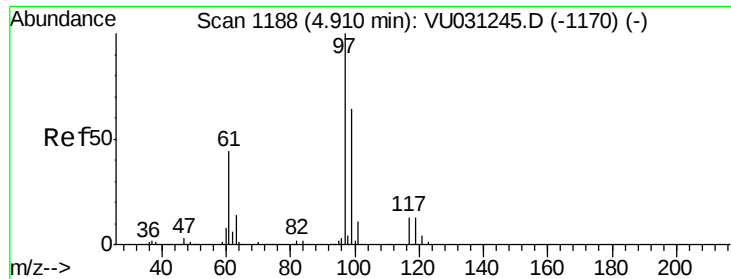
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.8	42.4
83	12.8	9.7	17.9



#20
 cis-1,2-Dichloroethene
 Concen: 4.448 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031251.D
 Acq: 17 Apr 2019 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.9	98.2	182.4
68	0.0	0.0	0.0

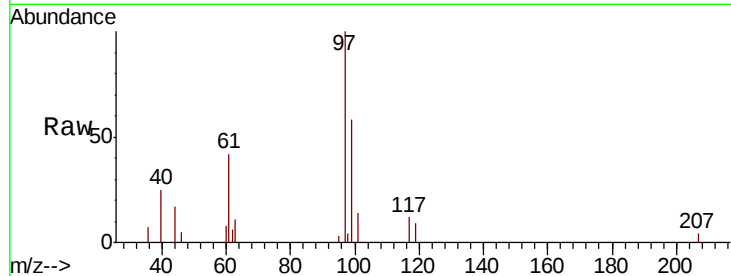




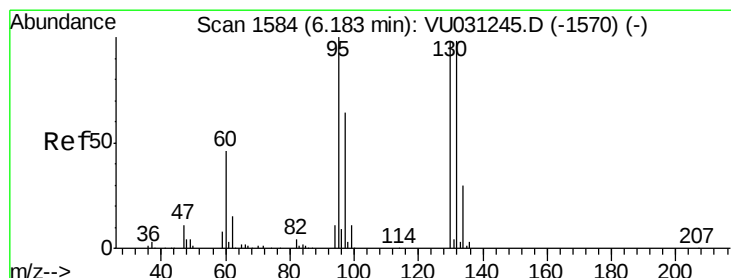
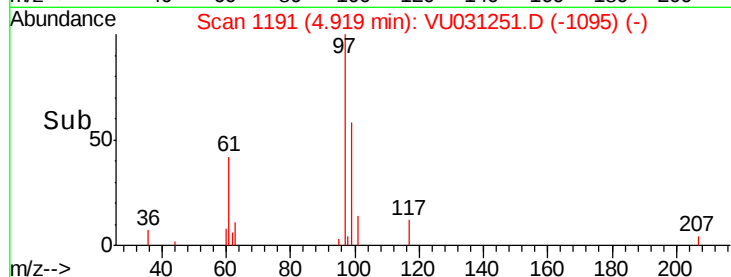
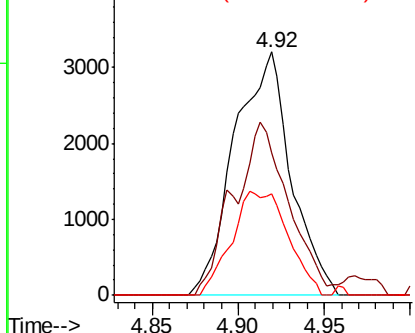
#30
 1,1,1-Trichloroethane
 Concen: 1.201 ug/L
 RT: 4.92 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VU031251.D
 Acq: 17 Apr 2019 11:46

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC27

Tgt Ion: 97 Resp: 7337
 Ion Ratio Lower Upper
 97 100
 99 48.3 51.4 77.2#
 61 23.0 35.0 52.4#



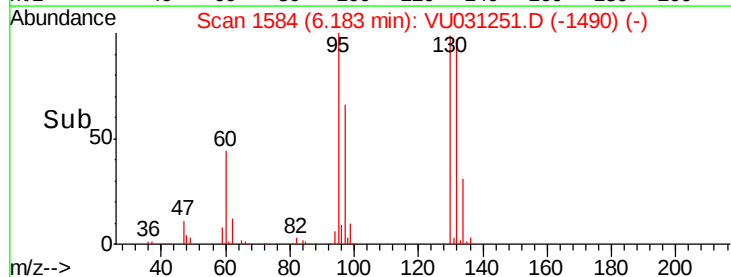
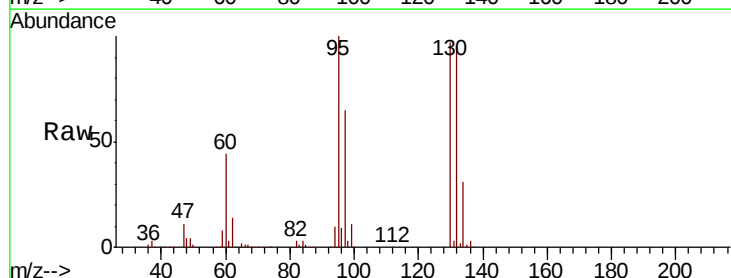
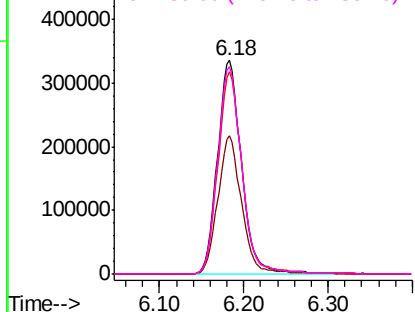
Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

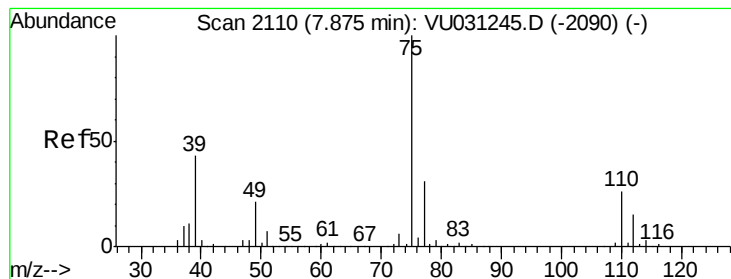


#34
 Trichloroethene
 Concen: 171.769 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031251.D
 Acq: 17 Apr 2019 11:46

Tgt Ion: 95 Resp: 667166
 Ion Ratio Lower Upper
 95 100
 97 64.7 43.6 81.0
 132 94.6 64.5 119.7
 130 97.2 68.0 126.2

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





#44

trans-1,3-Dichloropropene

Concen: 0.730 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031251.D

Acq: 17 Apr 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

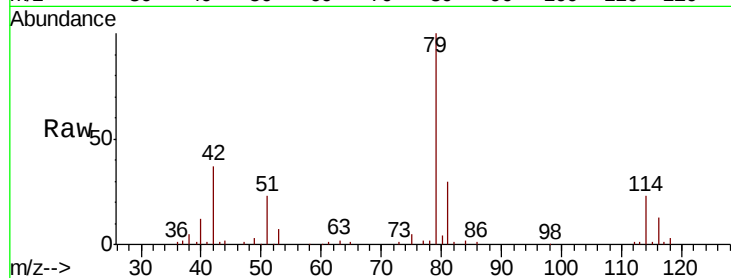
BFC27

Tgt Ion: 75 Resp: 3905

Ion Ratio Lower Upper

75 100

77 36.7 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU031245.D (-2090) (-)

Ion 77.00 (76.70 to 77.70): VU031245.D (-2090) (-)

7.85

2500

2000

1500

1000

500

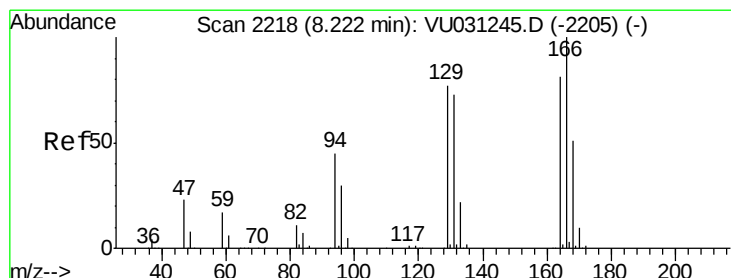
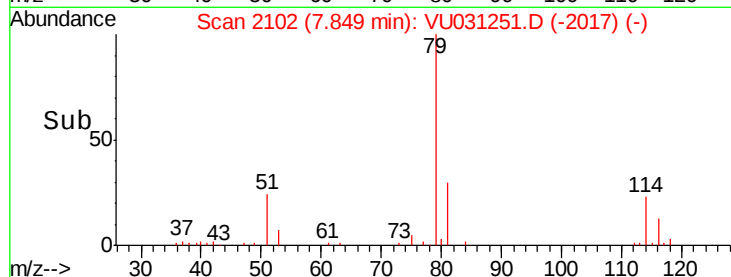
0

7.80

7.85

7.90

Time-->



#46

Tetrachloroethene

Concen: 1.066 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VU031251.D

Acq: 17 Apr 2019 11:46

Tgt Ion: 164 Resp: 3113

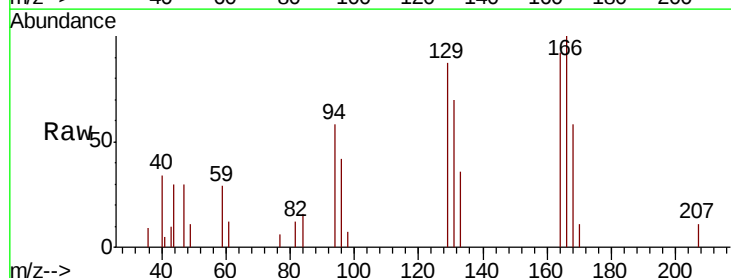
Ion Ratio Lower Upper

164 100

129 94.6 66.5 123.5

131 75.3 62.3 115.7

166 108.2 90.6 168.3



Abundance Ion 164.00 (163.70 to 164.70): VU031245.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU031245.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU031245.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU031245.D (-2205) (-)

8.23

3000

2000

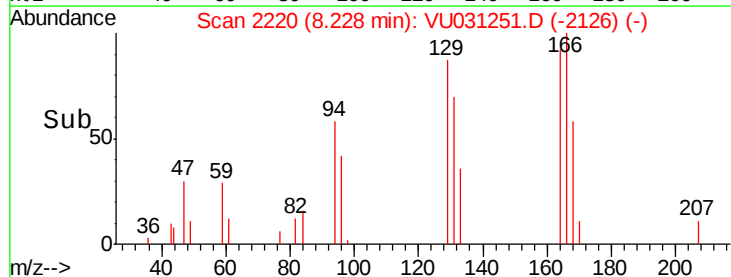
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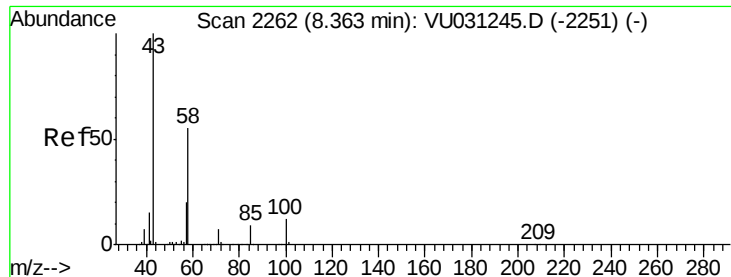
0

8.20

8.25

Time-->





#48

2-Hexanone

Concen: 1.008 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU031251.D

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Tgt Ion: 43 Resp: 4651

Ion Ratio Lower Upper

43 100

58 0.0 44.9 67.3#

57 18.7 15.1 22.7

100 4.5 8.6 13.0#

