

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
 Data File : VU031225.D
 Acq On : 16 Apr 2019 21:09
 Operator : JC/SP
 Sample : K2409-05RE
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC28

Quant Time: Apr 17 04:16:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 17 04:13:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	514586	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	529119	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	187746	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	179317	37.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.68%
7) Chloroethane-d5	1.68	69	166144	40.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.76%
11) 1,1-Dichloroethene-d2	2.27	63	319971	34.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.16%
21) 2-Butanone-d5	4.19	46	308726	89.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.45%
24) Chloroform-d	4.64	84	326213	41.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.52%
26) 1,2-Dichloroethane-d4	5.31	65	212259	43.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.18%
32) Benzene-d6	5.34	84	663843	39.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.38%
36) 1,2-Dichloropropane-d6	6.32	67	219956	40.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.04%
41) Toluene-d8	7.56	98	543816	36.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.90%#
43) trans-1,3-Dichloropropene-	7.85	79	96339	37.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.24%
47) 2-Hexanone-d5	8.31	63	198285	77.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	284865	37.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	75.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	190888	44.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.66%

Target Compounds

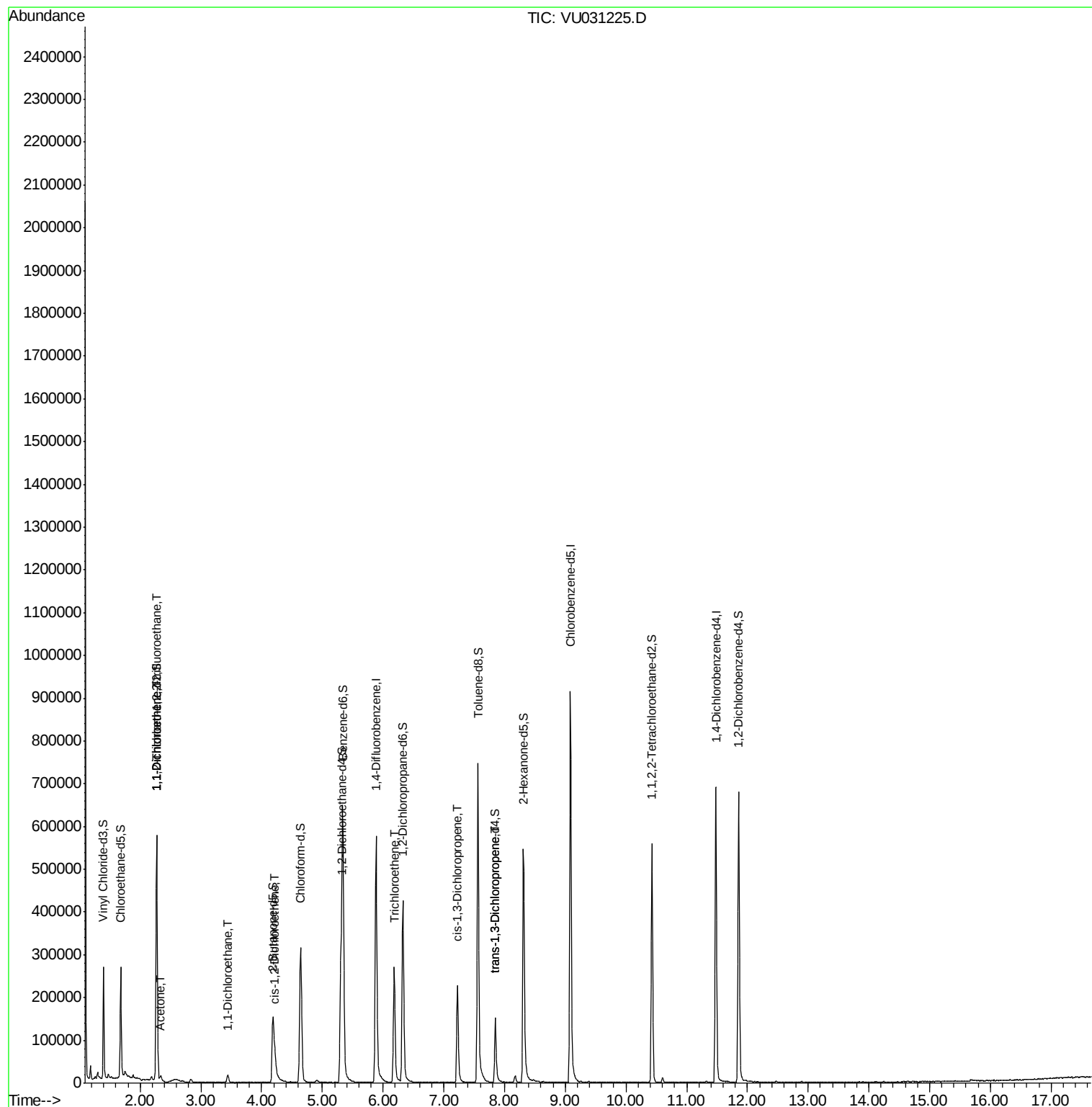
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2924	0.713 ug/L #	27
12) 1,1-Dichloroethene	2.28	96	40112	9.973 ug/L #	1
13) Acetone	2.34	43	14952	5.629 ug/L	78
19) 1,1-Dichloroethane	3.44	63	20947	2.876 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	5510	1.292 ug/L	78
34) Trichloroethene	6.18	95	100456	22.560 ug/L	97
39) cis-1,3-Dichloropropene	7.22	75	5504	0.779 ug/L	86
44) trans-1,3-Dichloropropene	7.85	75	3726	0.608 ug/L	94

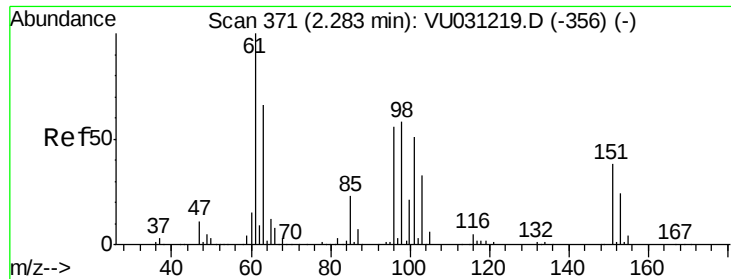
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.713 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031225.D

Acq: 16 Apr 2019 21:09

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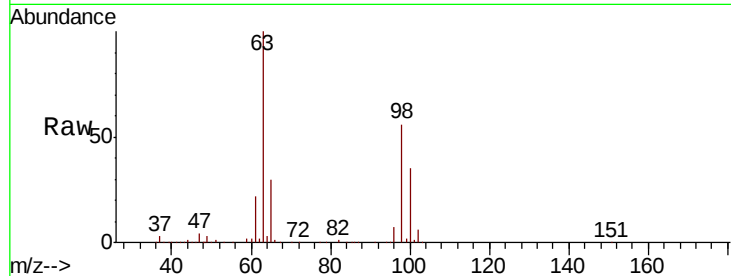
Tgt Ion: 101 Resp: 2924

Ion Ratio Lower Upper

101 100

85 6.1 35.4 53.0#

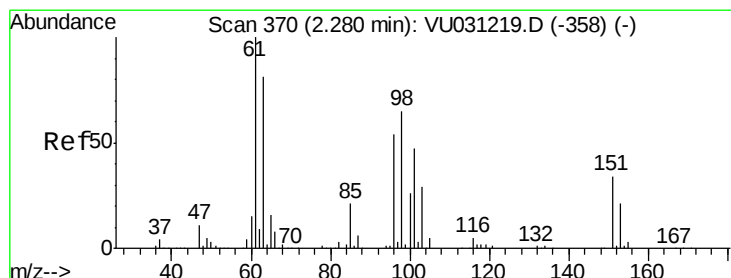
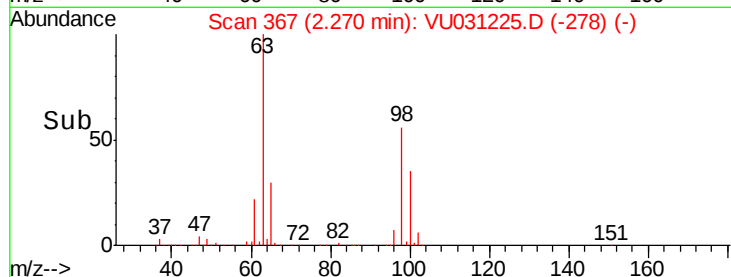
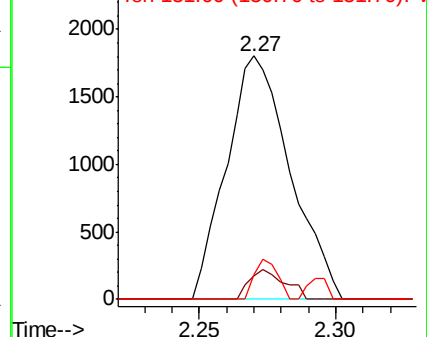
151 5.8 59.8 89.8#



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: 9.973 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031225.D

Acq: 16 Apr 2019 21:09

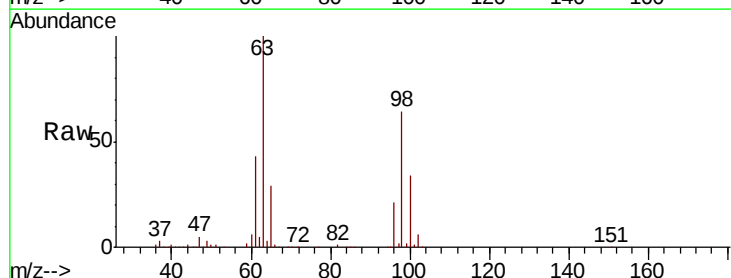
Tgt Ion: 96 Resp: 40112

Ion Ratio Lower Upper

96 100

61 208.6 130.4 242.2

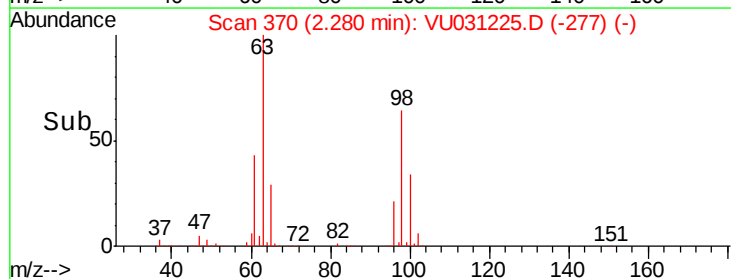
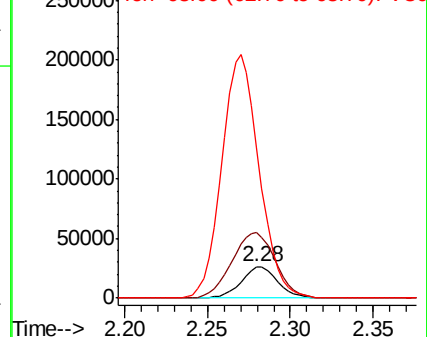
63 481.1 108.9 202.3#

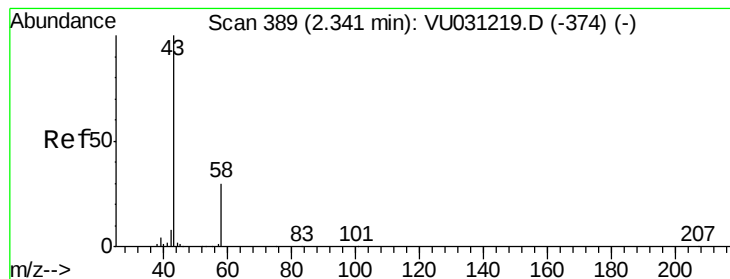


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.629 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU031225.D

Acq: 16 Apr 2019 21:09

Instrument :

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ClientSampleId :

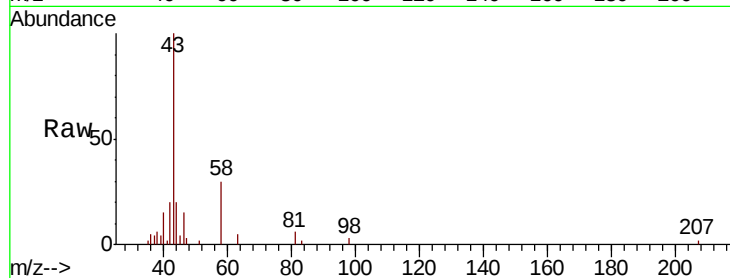
BFC28

Tgt Ion: 43 Resp: 14952

Ion Ratio Lower Upper

43 100

58 20.1 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU031219.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU031219.D (-374) (-)

2.34

8000

6000

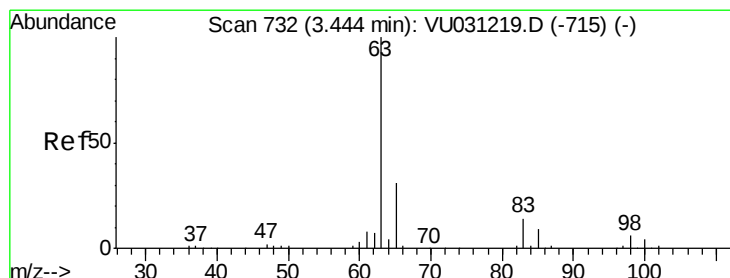
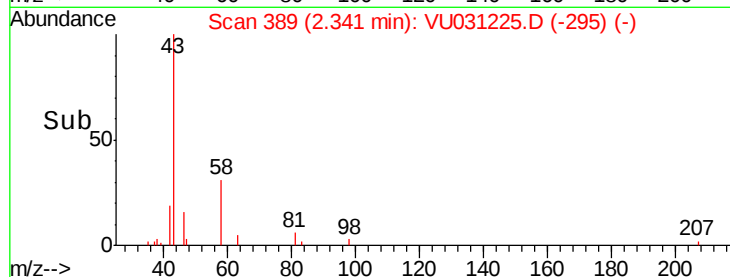
4000

2000

0

Time-->

2.30 2.35 2.40



#19

1,1-Dichloroethane

Concen: 2.876 ug/L

RT: 3.44 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU031225.D

Acq: 16 Apr 2019 21:09

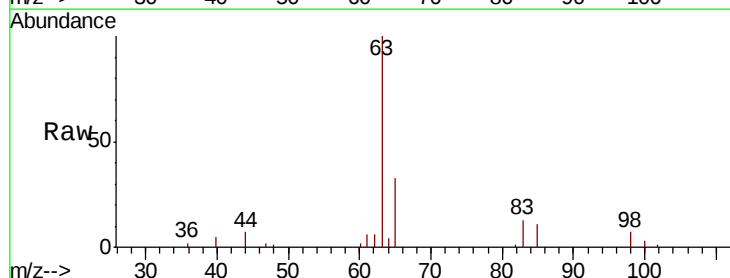
Tgt Ion: 63 Resp: 20947

Ion Ratio Lower Upper

63 100

65 33.0 22.8 42.4

83 13.2 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VU031219.D (-715) (-)

Ion 65.00 (64.70 to 65.70): VU031219.D (-715) (-)

Ion 83.00 (82.70 to 83.70): VU031219.D (-715) (-)

3.44

12000

10000

8000

6000

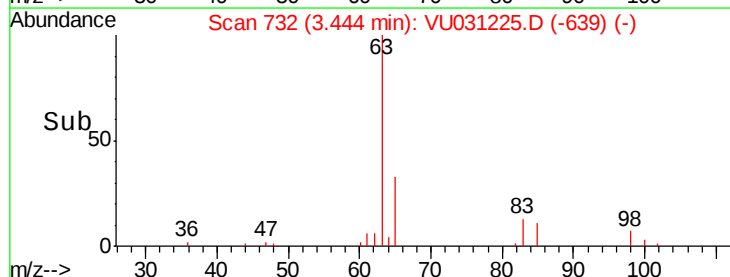
4000

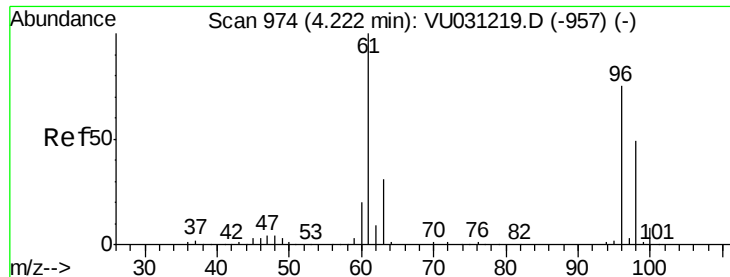
2000

0

Time-->

3.35 3.40 3.45 3.50 3.55

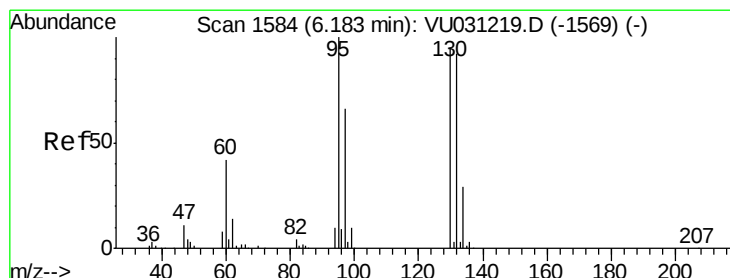
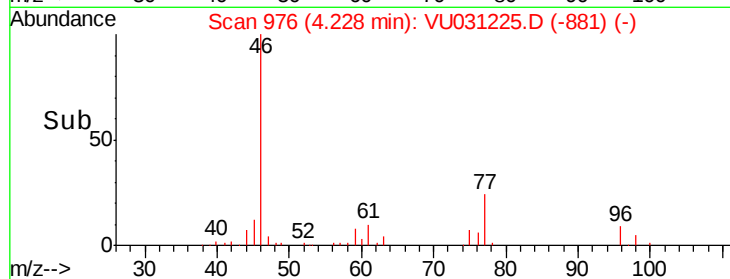
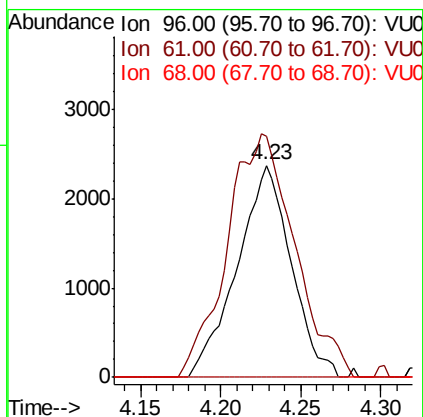
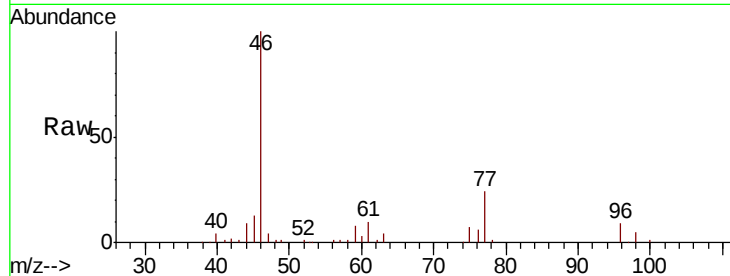




#20
 cis-1,2-Dichloroethene
 Concen: 1.292 ug/L
 RT: 4.23 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VU031225.D
 Acq: 16 Apr 2019 21:09

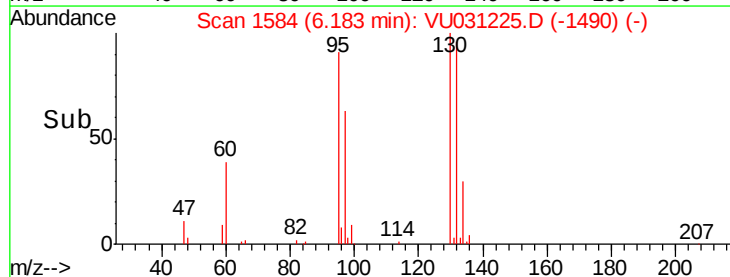
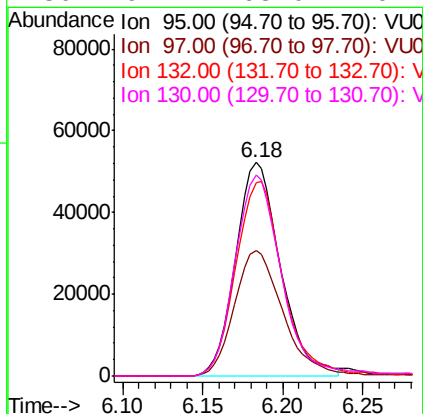
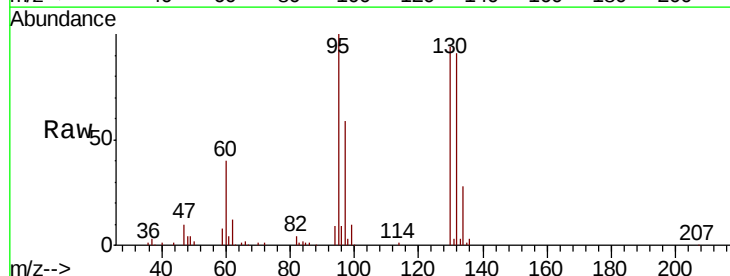
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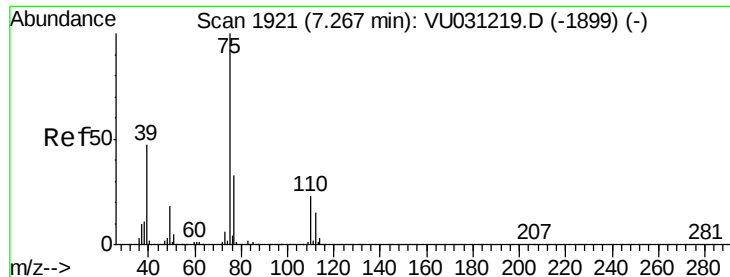
Tgt Ion: 96 Resp: 5510
 Ion Ratio Lower Upper
 96 100
 61 113.7 98.2 182.4
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 22.560 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031225.D
 Acq: 16 Apr 2019 21:09

Tgt Ion: 95 Resp: 100456
 Ion Ratio Lower Upper
 95 100
 97 59.0 43.6 81.0
 132 90.6 64.5 119.7
 130 94.4 68.0 126.2





#39

cis-1,3-Dichloropropene

Concen: 0.779 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031225.D

Acq: 16 Apr 2019 21:09

Instrument :

MSVOA_U

ClientSampleId :

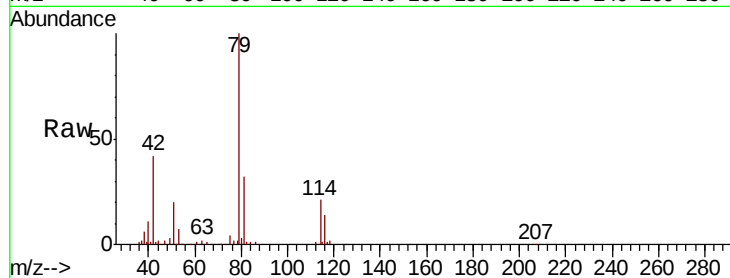
BFC28

Tgt Ion: 75 Resp: 5504

Ion Ratio Lower Upper

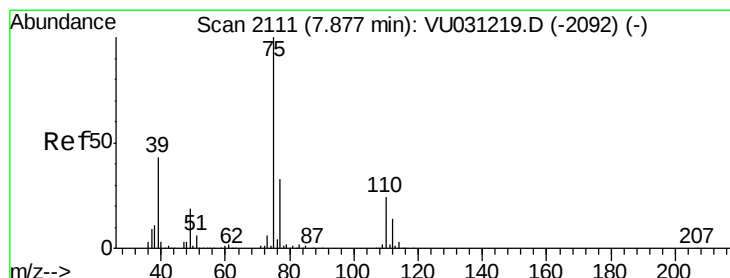
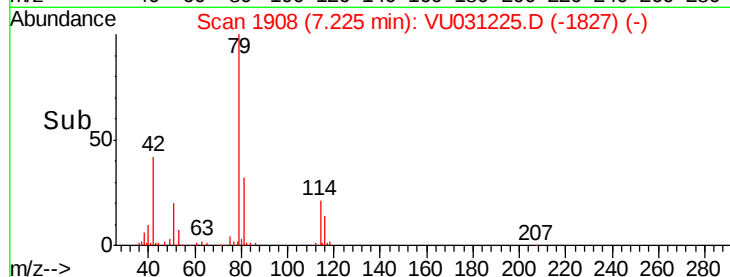
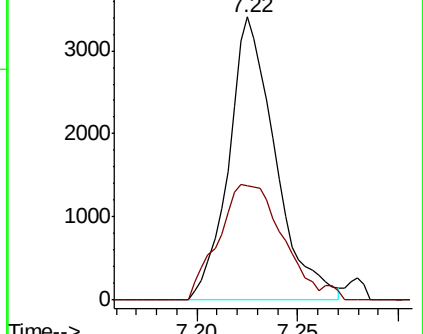
75 100

77 40.5 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU031219.D (-1899) (-)

Ion 77.00 (76.70 to 77.70): VU031219.D (-1899) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.608 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031225.D

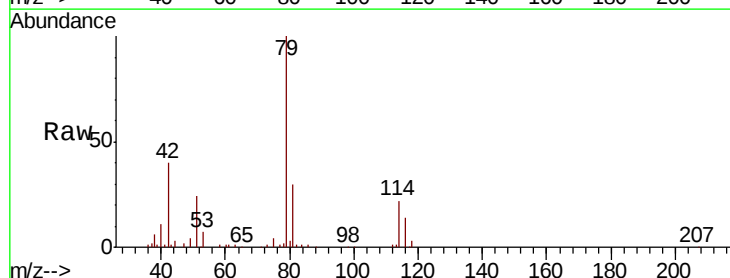
Acq: 16 Apr 2019 21:09

Tgt Ion: 75 Resp: 3726

Ion Ratio Lower Upper

75 100

77 35.7 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU031219.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031219.D (-2092) (-)

