

Data File : VU031190.D
Acq On : 14 Apr 2019 05:08
Operator : JC/SP
Sample : K2409-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFC27

Quant Time: Apr 15 01:43:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 15 01:39:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	421171	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	410364	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	152661	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	205488	54.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.32%
7) Chloroethane-d5	1.67	69	195015	68.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	136.68%#
11) 1,1-Dichloroethene-d2	2.27	63	338095	49.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.44%
21) 2-Butanone-d5	4.17	46	264491	88.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.76%
24) Chloroform-d	4.64	84	285389	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.38%
26) 1,2-Dichloroethane-d4	5.30	65	191943	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.96%
32) Benzene-d6	5.33	84	551532	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
36) 1,2-Dichloropropane-d6	6.32	67	192066	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.56%
41) Toluene-d8	7.56	98	472926	44.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.08%
43) trans-1,3-Dichloropropene-	7.85	79	67436	36.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.04%
47) 2-Hexanone-d5	8.31	63	151429	80.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	262490	47.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	160056	53.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.62%

Target Compounds

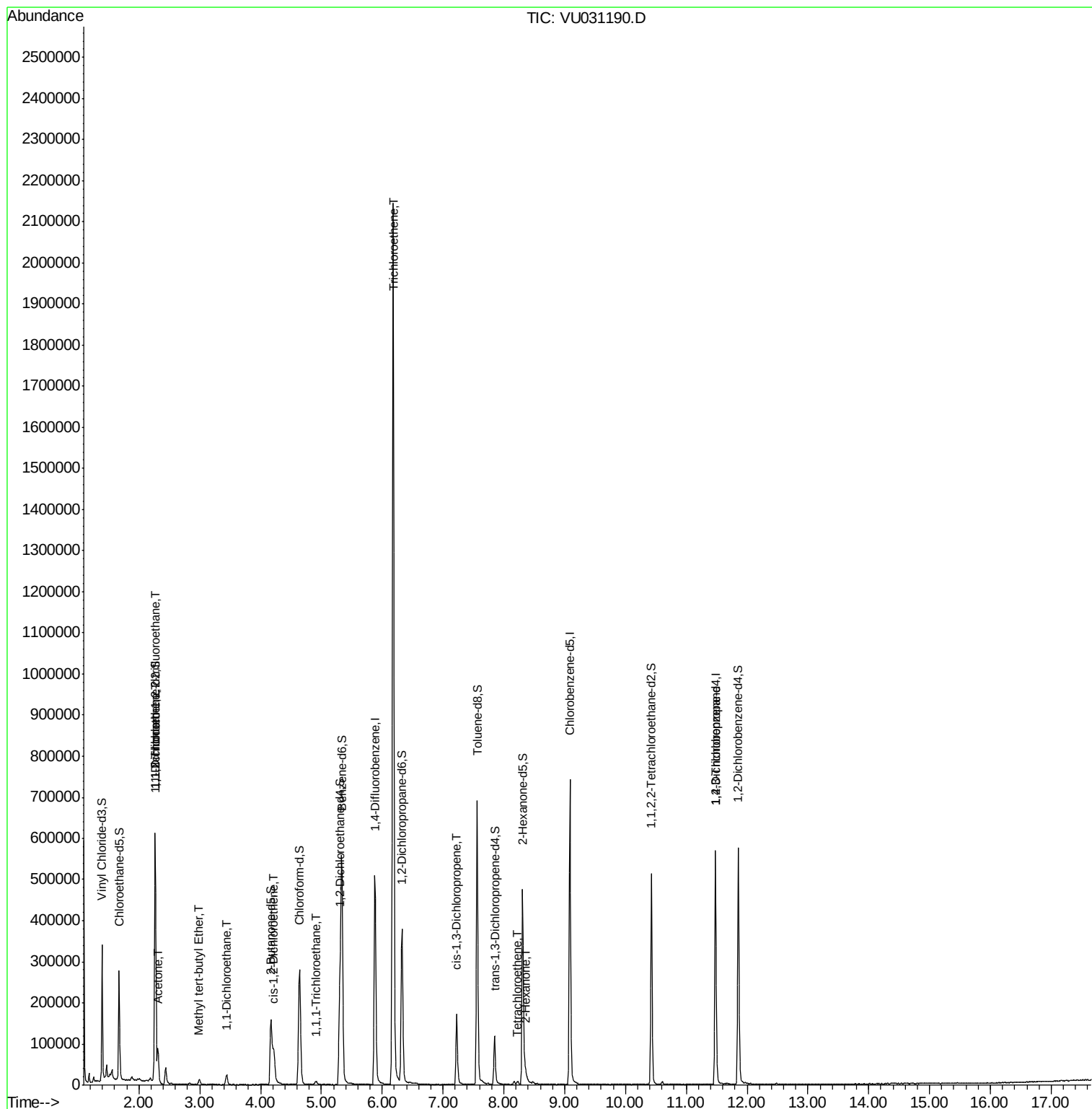
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2578	0.855	ug/L #	23
12) 1,1-Dichloroethene	2.28	96	49497	17.001	ug/L #	26
13) Acetone	2.32	43	86677	28.427	ug/L	99
18) Methyl tert-butyl Ether	2.99	73	11433	1.104	ug/L #	86
19) 1,1-Dichloroethane	3.44	63	25691	4.027	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	37035	10.850	ug/L	85
30) 1,1,1-Trichloroethane	4.92	97	6245	1.249	ug/L	97
34) Trichloroethene	6.18	95	763284	231.743	ug/L	96
39) cis-1,3-Dichloropropene	7.22	75	3933	0.727	ug/L	86
46) Tetrachloroethene	8.22	164	2321	0.969	ug/L #	64
48) 2-Hexanone	8.36	43	11641	2.440	ug/L #	69
59) 1,2,3-Trichloropropane	11.48	75	18327	4.024	ug/L	93

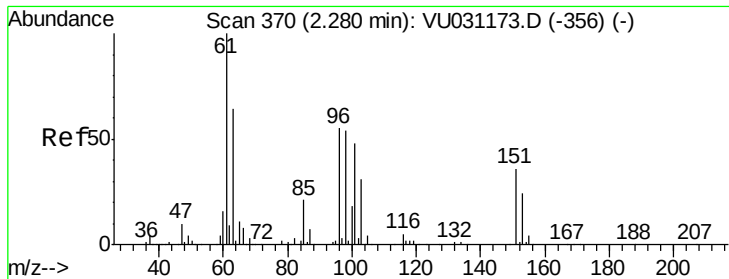
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.855 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031190.D

Acq: 14 Apr 2019 05:08

Instrument :

MSVOA_U

ClientSampleId :

BFC27

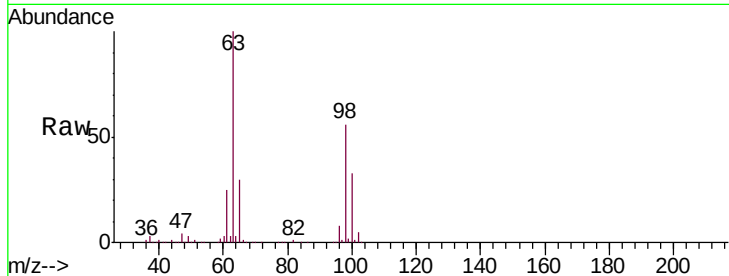
Tgt Ion: 101 Resp: 2578

Ion Ratio Lower Upper

101 100

85 3.0 36.8 55.2#

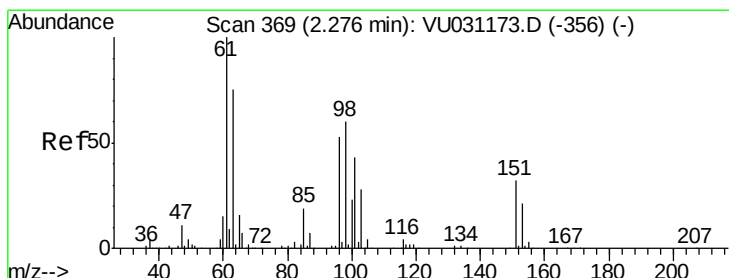
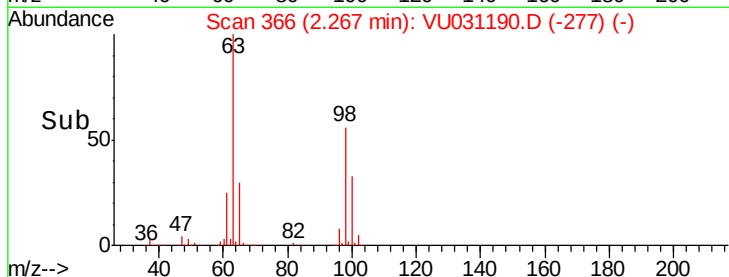
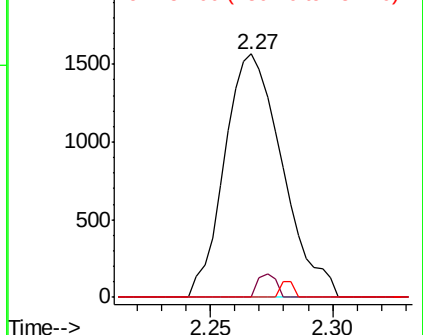
151 1.6 57.4 86.0#



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: 17.001 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031190.D

Acq: 14 Apr 2019 05:08

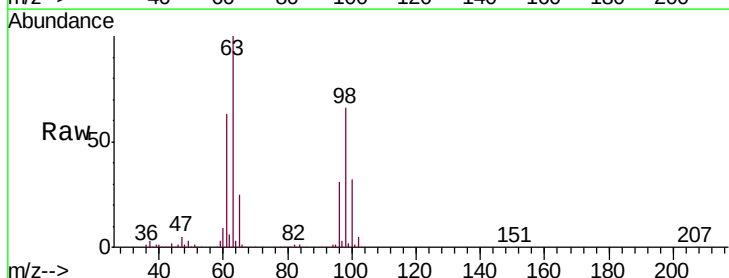
Tgt Ion: 96 Resp: 49497

Ion Ratio Lower Upper

96 100

61 202.7 132.0 245.2

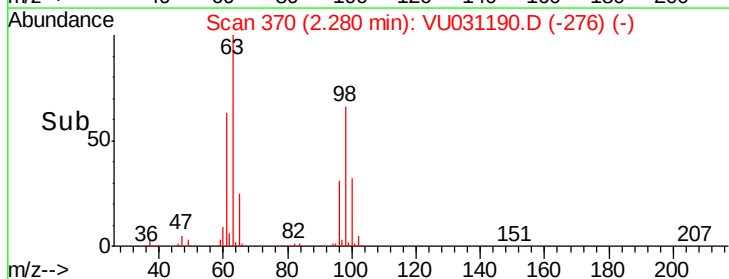
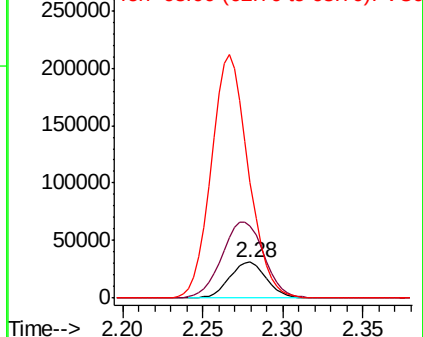
63 323.6 90.9 168.9#

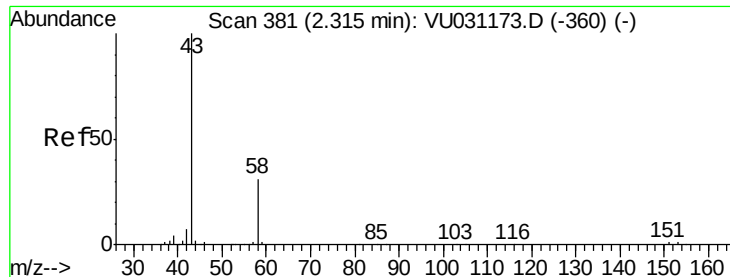


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 28.427 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031190.D

Acq: 14 Apr 2019 05:08

Instrument :

MSVOA_U

ClientSampleId :

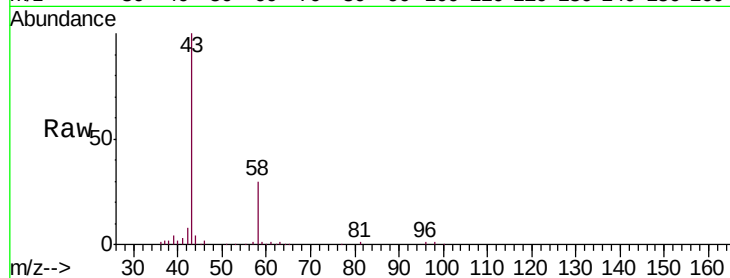
BFC27

Tgt Ion: 43 Resp: 86677

Ion Ratio Lower Upper

43 100

58 31.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031173.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU031173.D (-360) (-)

2.32

60000

50000

40000

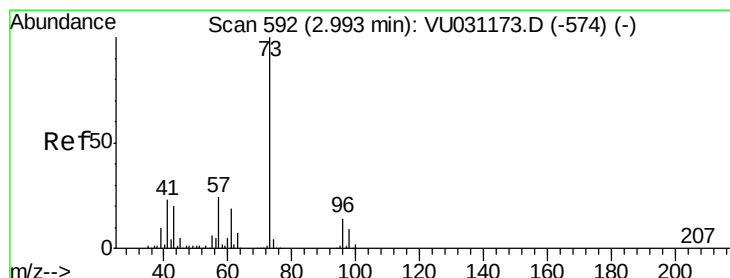
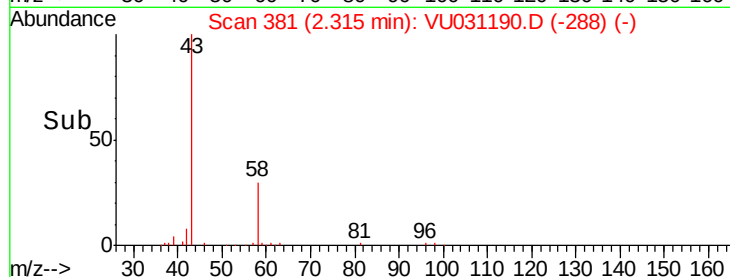
30000

20000

10000

0

Time-->



#18

Methyl tert-butyl Ether

Concen: 1.104 ug/L

RT: 2.99 min Scan# 591

Delta R.T. -0.00 min

Lab File: VU031190.D

Acq: 14 Apr 2019 05:08

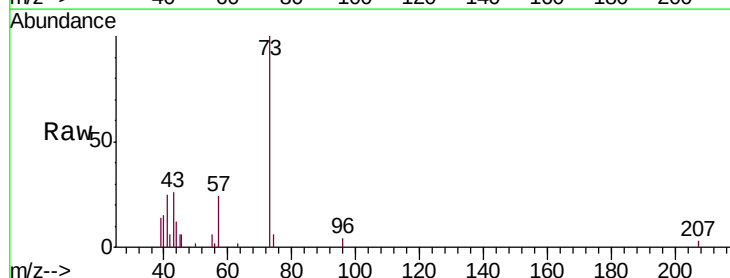
Tgt Ion: 73 Resp: 11433

Ion Ratio Lower Upper

73 100

43 24.2 16.4 24.6

57 14.4 19.0 28.4#



Abundance Ion 73.00 (72.70 to 73.70): VU031173.D (-574) (-)

Ion 43.00 (42.70 to 43.70): VU031173.D (-574) (-)

Ion 57.00 (56.70 to 57.70): VU031173.D (-574) (-)

2.99

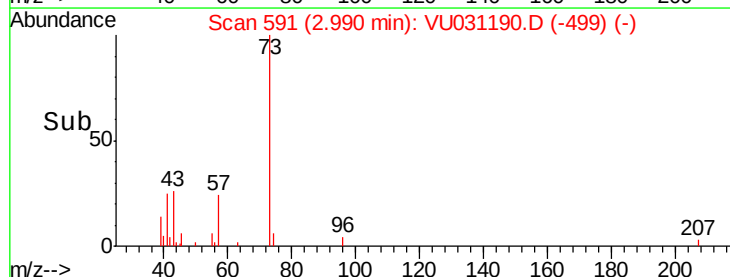
6000

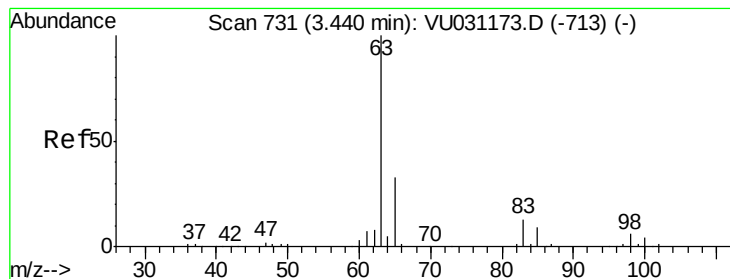
4000

2000

0

Time-->





#19

1,1-Dichloroethane

Concen: 4.027 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU031190.D

Acq: 14 Apr 2019 05:08

Instrument :

MSVOA_U

ClientSampled :

BFC27

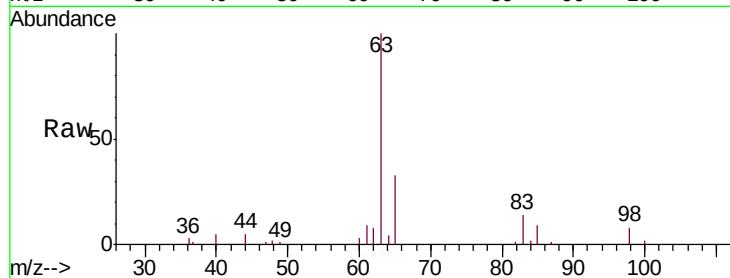
Tgt Ion: 63 Resp: 25691

Ion Ratio Lower Upper

63 100

65 33.2 21.4 39.8

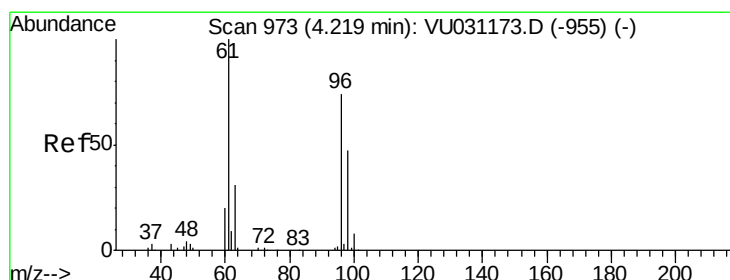
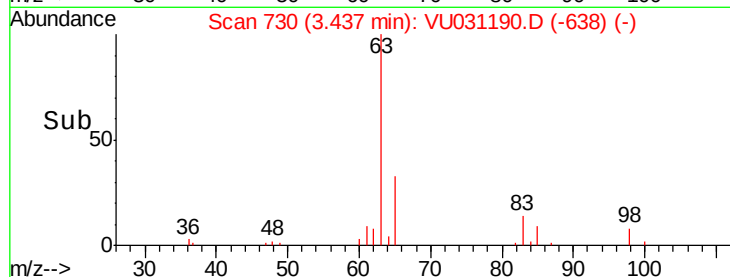
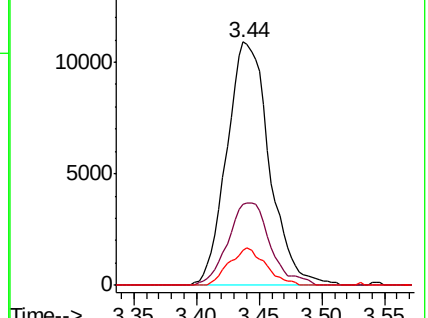
83 14.3 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU031173.D (-713) (-)

Ion 65.00 (64.70 to 65.70): VU031173.D (-713) (-)

Ion 83.00 (82.70 to 83.70): VU031173.D (-713) (-)



#20

cis-1,2-Dichloroethene

Concen: 10.850 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031190.D

Acq: 14 Apr 2019 05:08

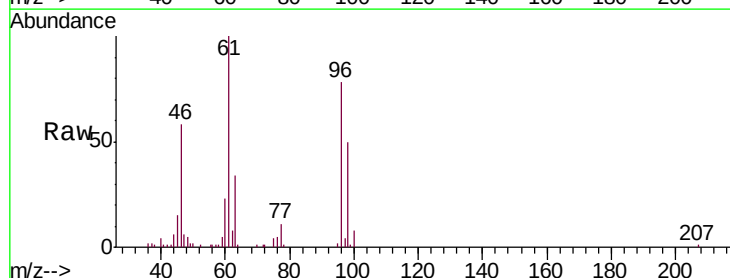
Tgt Ion: 96 Resp: 37035

Ion Ratio Lower Upper

96 100

61 128.2 102.9 191.1

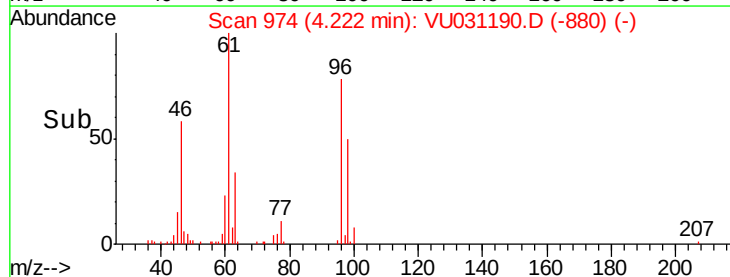
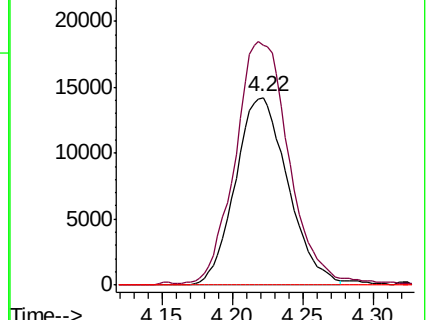
68 0.0 0.0 0.0

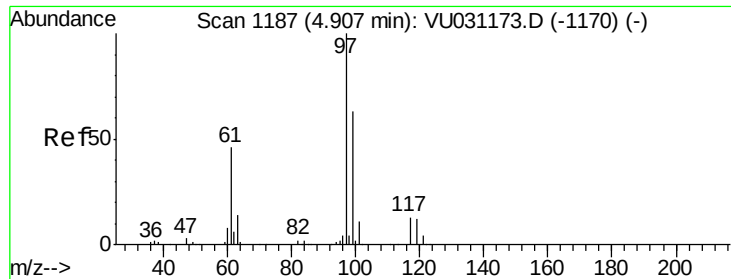


Abundance Ion 96.00 (95.70 to 96.70): VU031173.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU031173.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU031173.D (-955) (-)

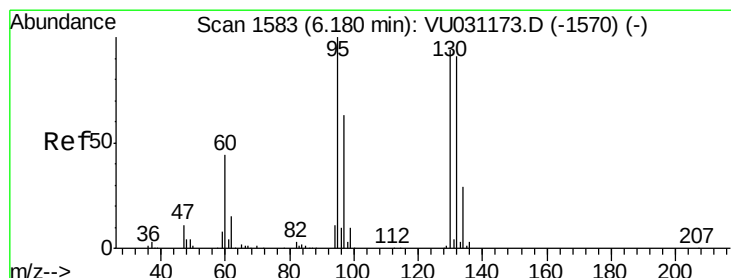
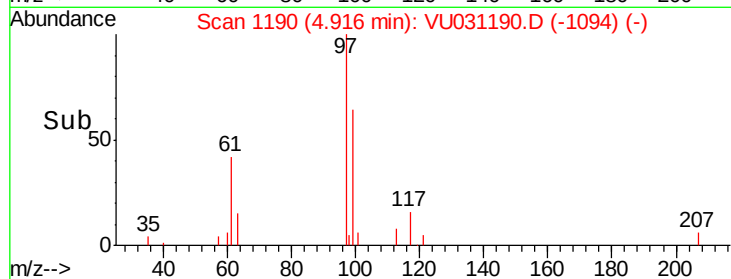
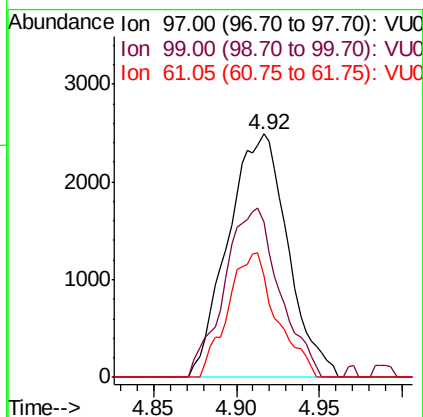
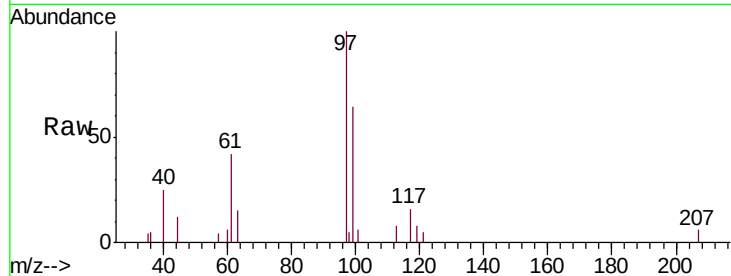




#30
 1,1,1-Trichloroethane
 Concen: 1.249 ug/L
 RT: 4.92 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VU031190.D
 Acq: 14 Apr 2019 05:08

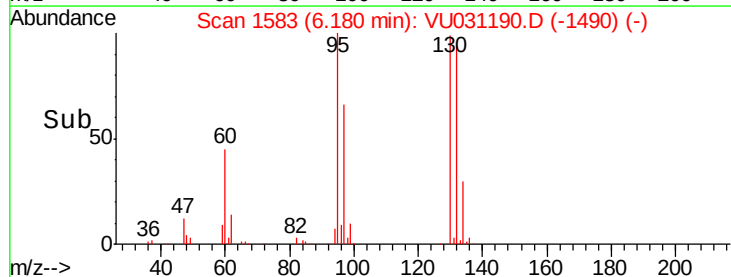
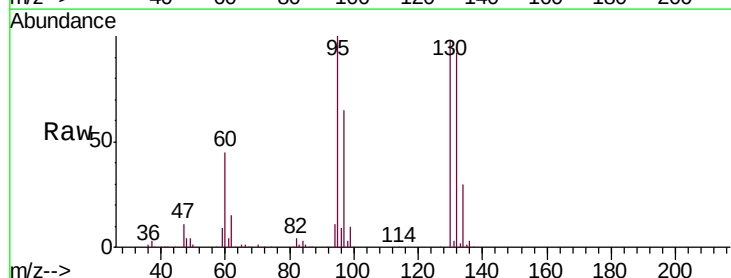
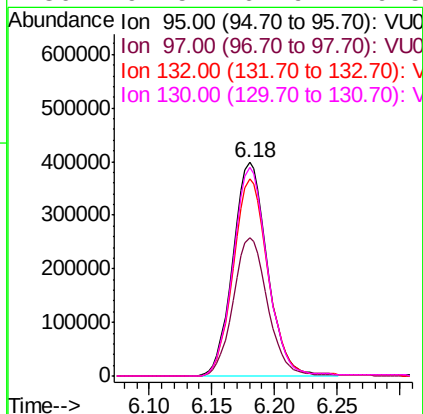
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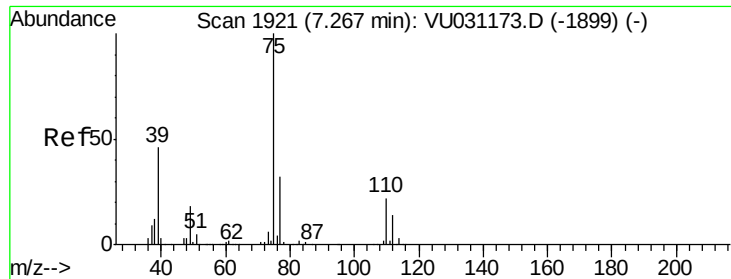
Tgt Ion: 97 Resp: 6245
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.4 77.2
 61 41.5 37.1 55.7



#34
 Trichloroethene
 Concen: 231.743 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031190.D
 Acq: 14 Apr 2019 05:08

Tgt Ion: 95 Resp: 763284
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.5 82.7
 132 92.1 61.5 114.1
 130 97.5 64.9 120.5

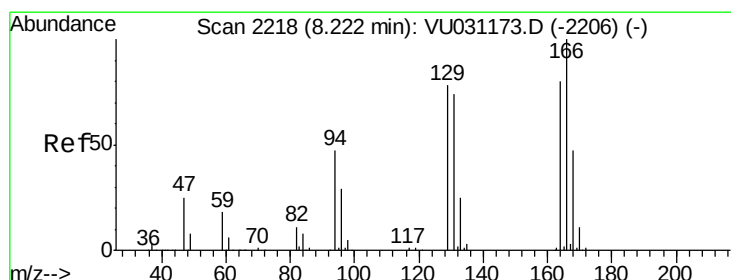
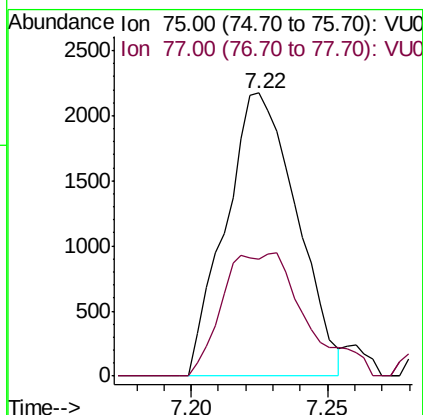
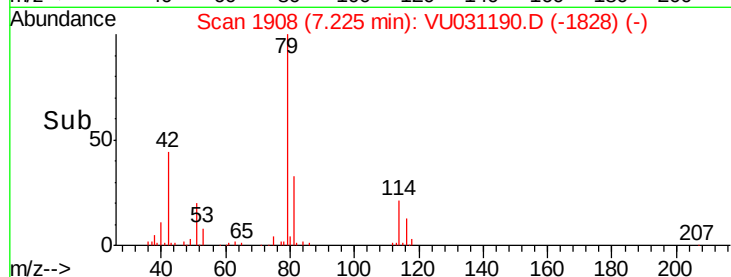
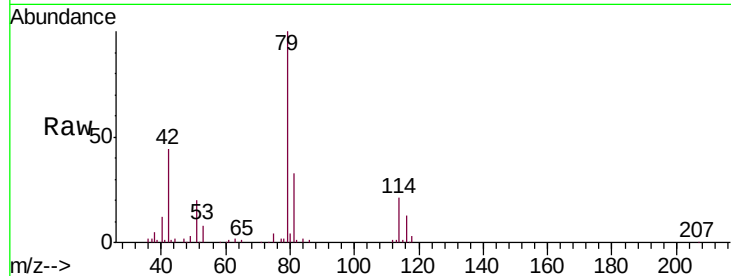




#39
 cis-1,3-Dichloropropene
 Concen: 0.727 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU031190.D
 Acq: 14 Apr 2019 05:08

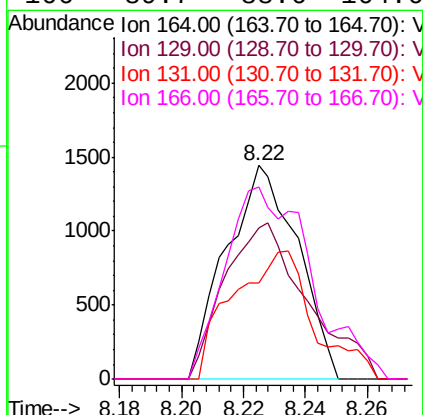
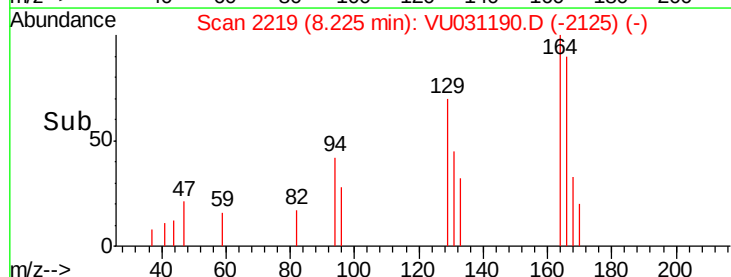
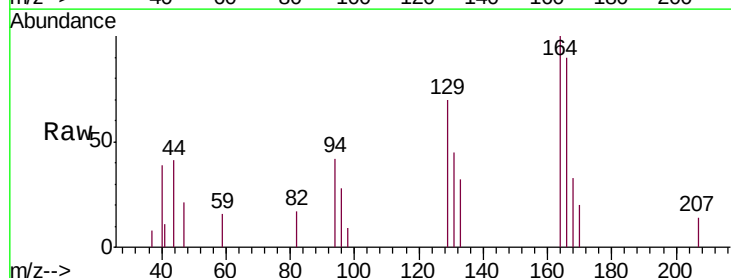
Instrument :
 MSVOA_U
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 BFC27

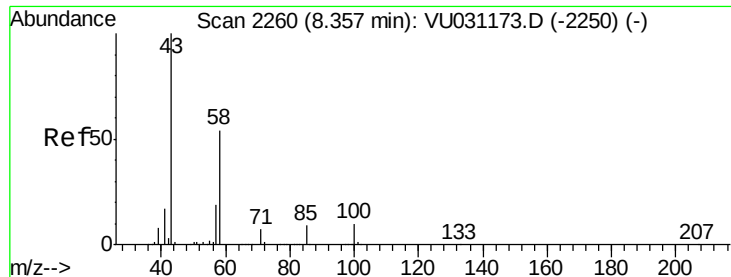
Tgt Ion: 75 Resp: 3933
 Ion Ratio Lower Upper
 75 100
 77 41.1 23.1 42.9



#46
 Tetrachloroethene
 Concen: 0.969 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031190.D
 Acq: 14 Apr 2019 05:08

Tgt Ion: 164 Resp: 2321
 Ion Ratio Lower Upper
 164 100
 129 70.4 67.4 125.2
 131 44.9 65.9 122.5#
 166 89.7 88.6 164.6

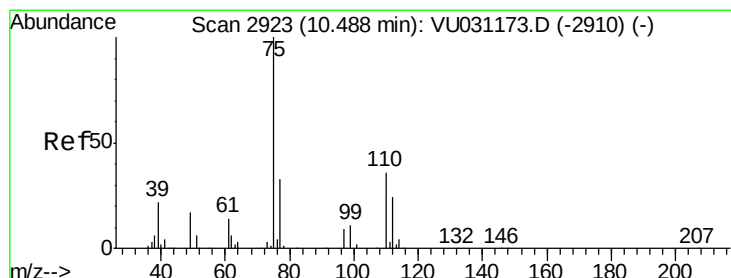
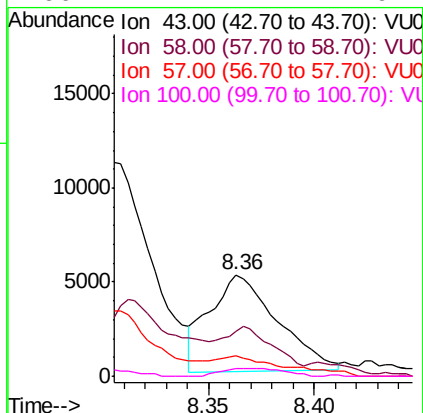
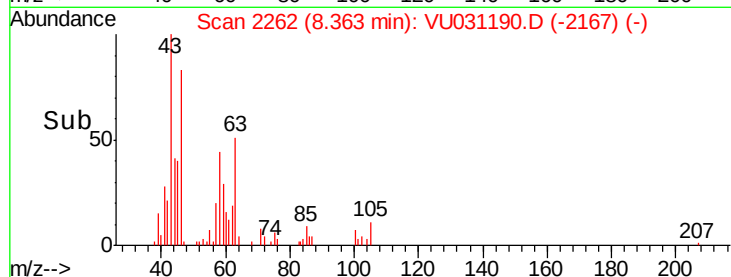
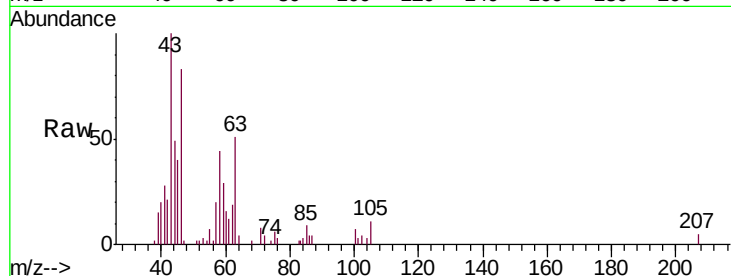




#48
2-Hexanone
Concen: 2.440 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU031190.D
Acq: 14 Apr 2019 05:08

Instrument :
MSVOA_U
ClientSampleId :
BFC27

Tgt Ion: 43 Resp: 11641
Ion Ratio Lower Upper
43 100
58 30.3 41.9 62.9#
57 0.0 14.3 21.5#
100 4.2 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 4.024 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU031190.D
Acq: 14 Apr 2019 05:08

Tgt Ion: 75 Resp: 18327
Ion Ratio Lower Upper
75 100
77 36.4 26.1 39.1

