

Data File : VU031619.D
Acq On : 30 Apr 2019 04:42
Operator : JC/SP
Sample : K2593-08 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
COWZ4

Quant Time: Apr 30 05:49:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 30 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	624427	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	622972	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	225444	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	322772	61.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	123.52%
7) Chloroethane-d5	1.68	69	242494	60.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.10%
11) 1,1-Dichloroethene-d2	2.27	63	454275	43.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.30%
21) 2-Butanone-d5	4.19	46	584439	123.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.43%
24) Chloroform-d	4.64	84	509703	53.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.50%
26) 1,2-Dichloroethane-d4	5.31	65	359457	57.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.98%
32) Benzene-d6	5.34	84	987000	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.18%
36) 1,2-Dichloropropane-d6	6.33	67	374203	55.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.20%
41) Toluene-d8	7.56	98	813039	48.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	7.85	79	144238	49.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.86%
47) 2-Hexanone-d5	8.31	63	326818	112.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	460563	50.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	247766	52.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.52%

Target Compounds

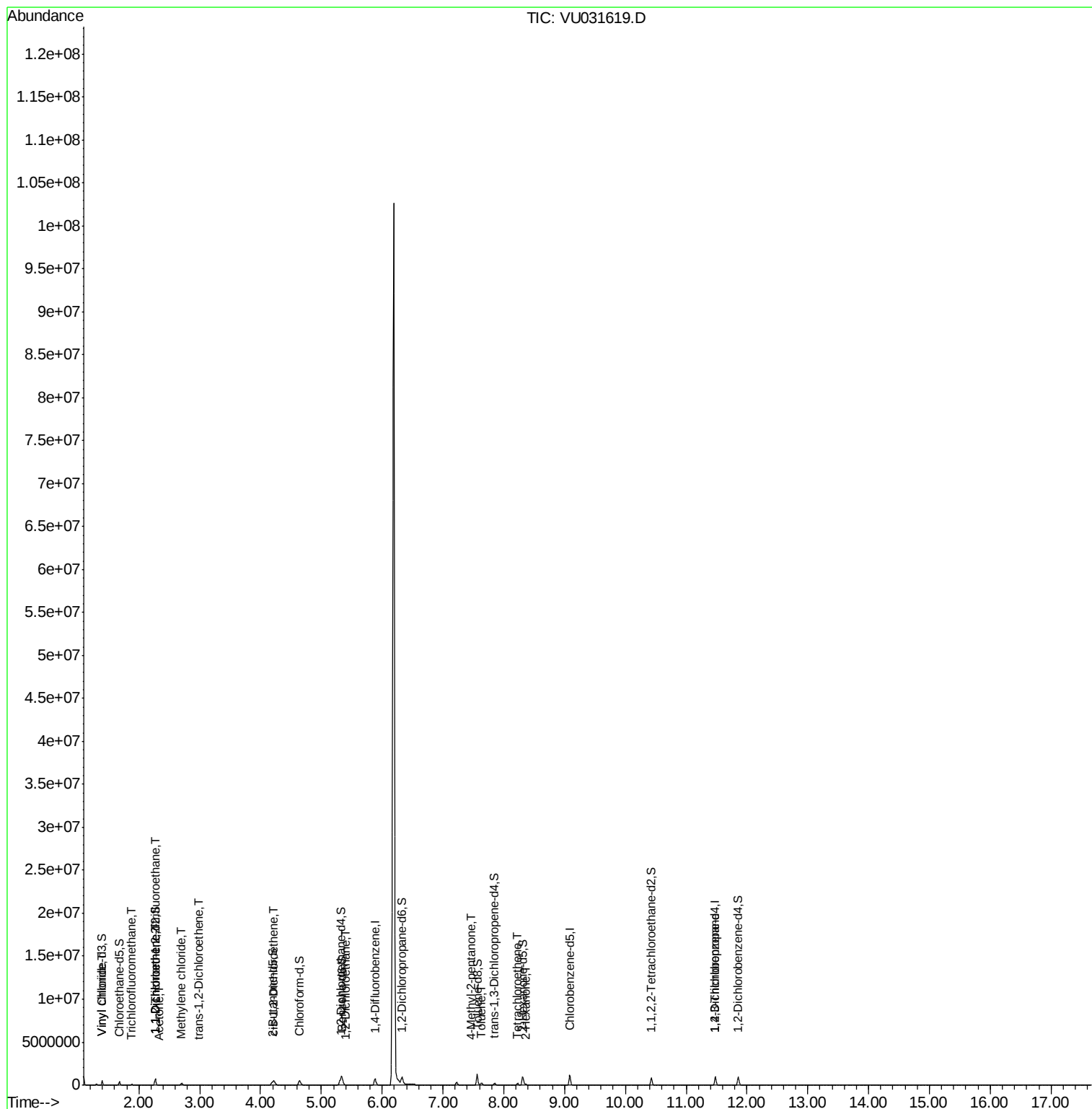
						Qvalue
5) Vinyl chloride	1.40	62	9839	1.267	ug/L #	22
9) Trichlorofluoromethane	1.88	101	30682	3.465	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3271	0.654	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	10653	2.187	ug/L #	1
13) Acetone	2.34	43	3590	0.673	ug/L	68
16) Methylene chloride	2.70	84	83173	14.466	ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	9649	1.901	ug/L	86
20) cis-1,2-Dichloroethene	4.22	96	197453	36.261	ug/L	91
27) 1,2-Dichloroethane	5.40	62	4209	0.507	ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	18441	1.843	ug/L #	94
42) Toluene	7.64	91	189394	8.301	ug/L	98
46) Tetrachloroethene	8.22	164	46319	12.237	ug/L	91
48) 2-Hexanone	8.36	43	10876	1.344	ug/L #	52
59) 1,2,3-Trichloropropane	11.48	75	31731	4.116	ug/L	90

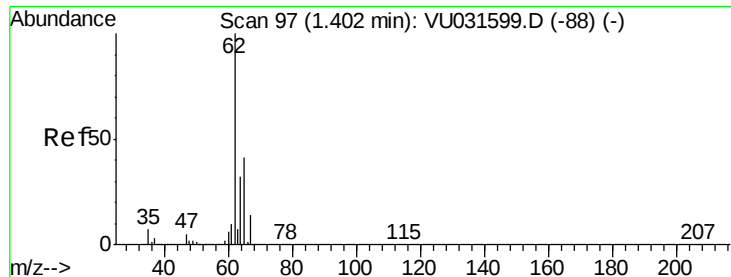
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.267 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU031619.D

Acq: 30 Apr 2019 04:42

Instrument :

MSVOA_U

ClientSampleId :

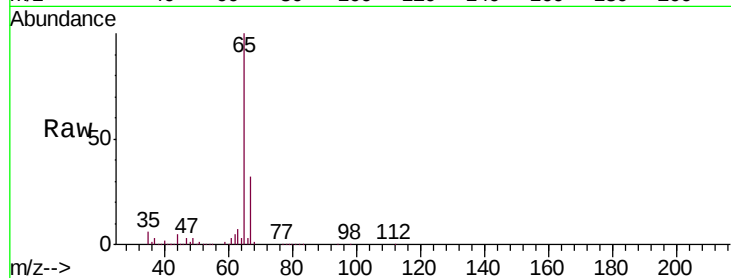
C0WZ4

Tgt Ion: 62 Resp: 9839

Ion Ratio Lower Upper

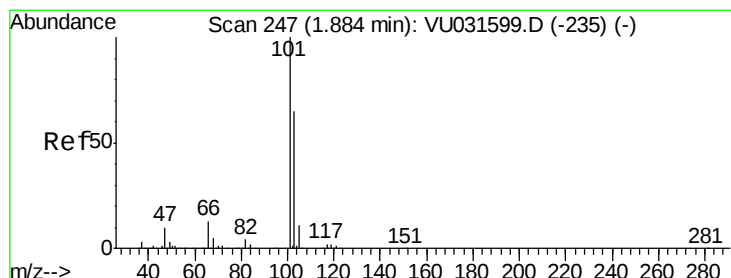
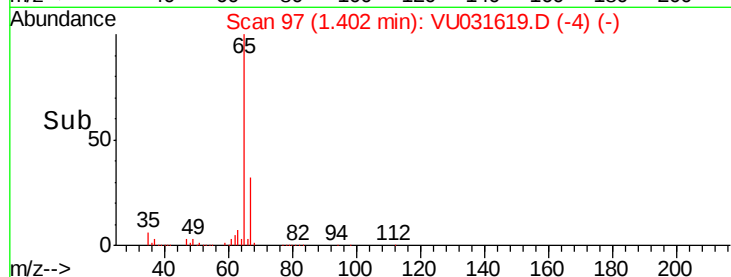
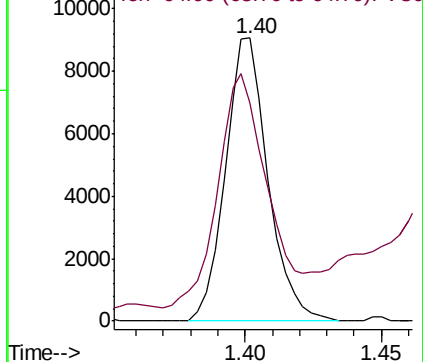
62 100

64 76.9 23.1 42.9#



Abundance Ion 62.00 (61.70 to 62.70): VU031599.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU031599.D (-88) (-)



#9

Trichlorofluoromethane

Concen: 3.465 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031619.D

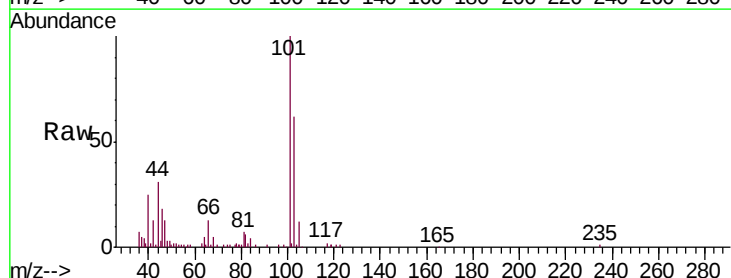
Acq: 30 Apr 2019 04:42

Tgt Ion: 101 Resp: 30682

Ion Ratio Lower Upper

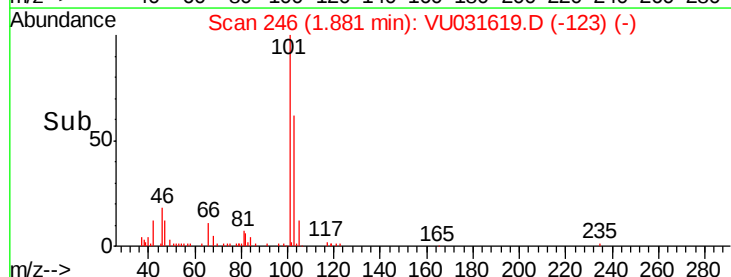
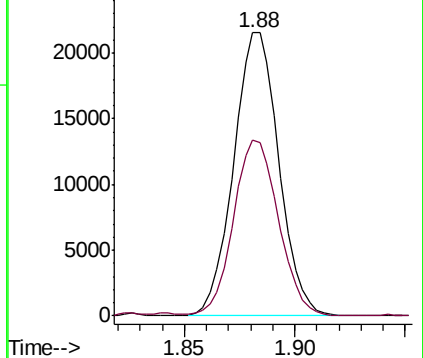
101 100

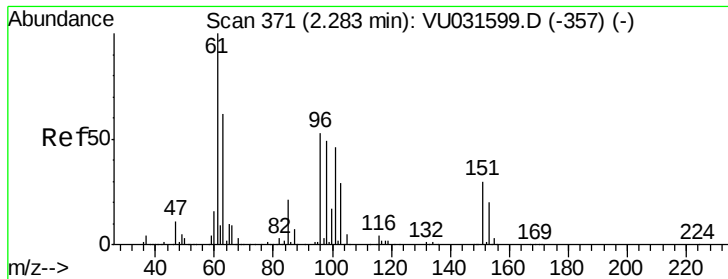
103 61.9 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VU031599.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU031599.D (-235) (-)





#10

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

Concen: 0.654 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031619.D

Acq: 30 Apr 2019 04:42

Instrument :

MSVOA_U

ClientSampleId :

C0WZ4

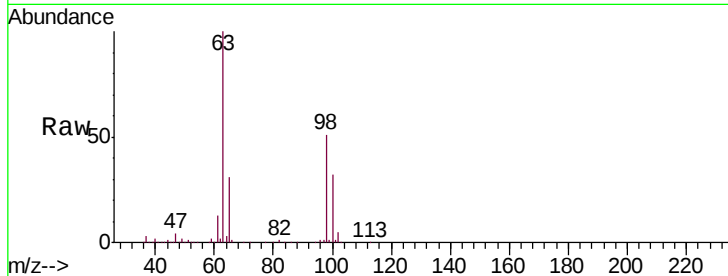
Tgt Ion: 101 Resp: 3271

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

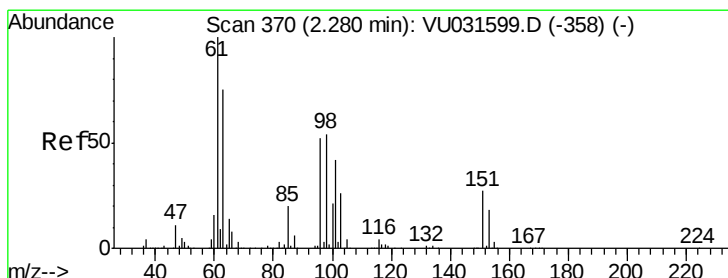
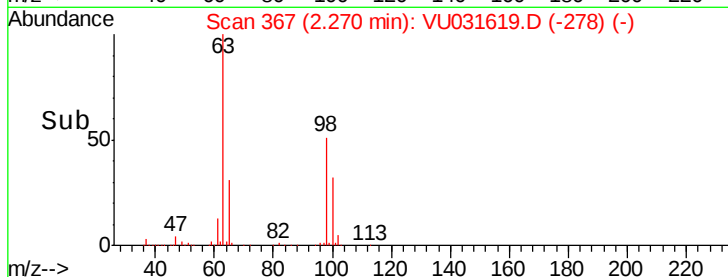
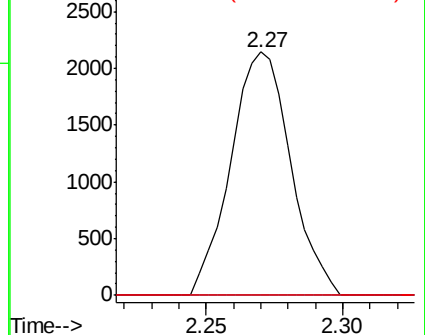
151 0.0 56.1 84.1#



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: 2.187 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031619.D

Acq: 30 Apr 2019 04:42

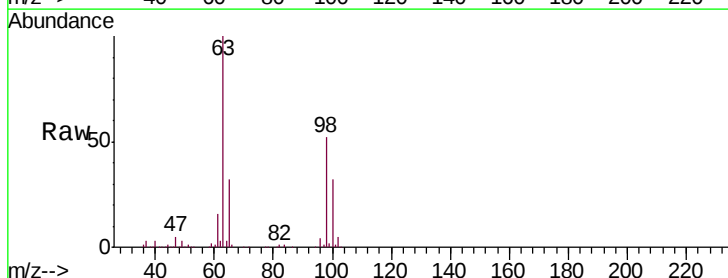
Tgt Ion: 96 Resp: 10653

Ion Ratio Lower Upper

96 100

61 452.6 135.0 250.6#

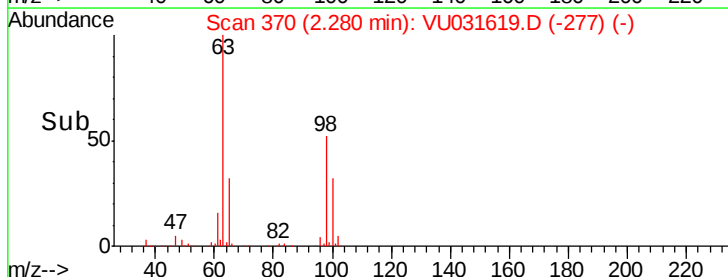
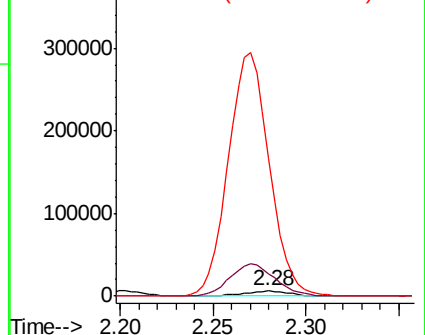
63 2766.7 103.5 192.3#

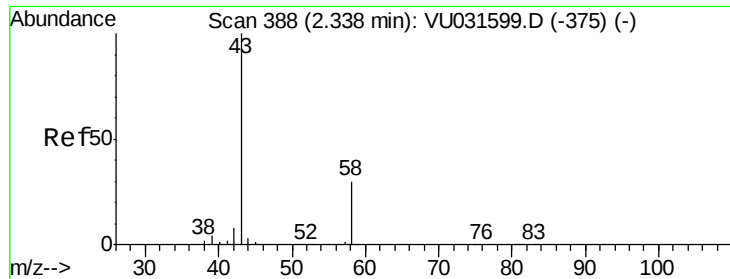


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.673 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.01 min

Lab File: VU031619.D

Acq: 30 Apr 2019 04:42

Instrument :

MSVOA_U

ClientSampleId :

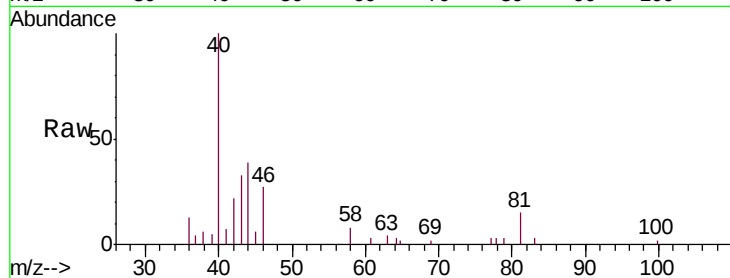
COWZ4

Tgt Ion: 43 Resp: 3590

Ion Ratio Lower Upper

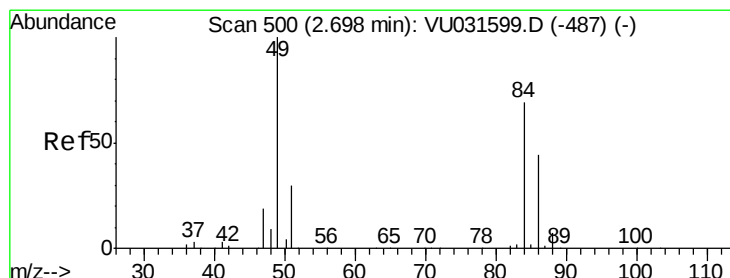
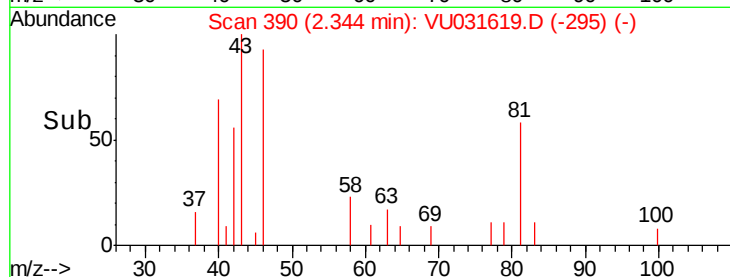
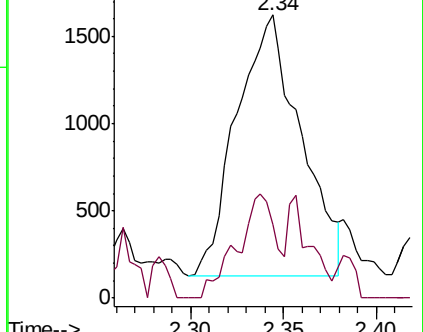
43 100

58 14.3 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031619.D (-375) (-)

Ion 58.00 (57.70 to 58.70): VU031619.D (-375) (-)



#16

Methylene chloride

Concen: 14.466 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU031619.D

Acq: 30 Apr 2019 04:42

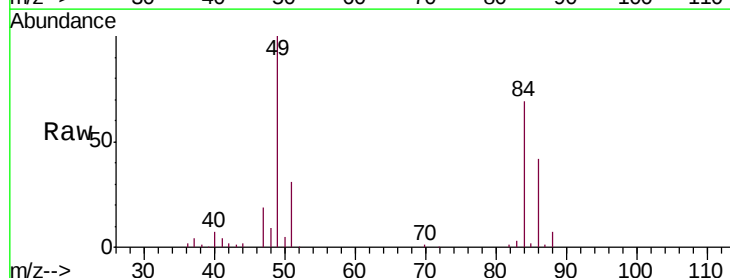
Tgt Ion: 84 Resp: 83173

Ion Ratio Lower Upper

84 100

86 60.4 44.7 83.1

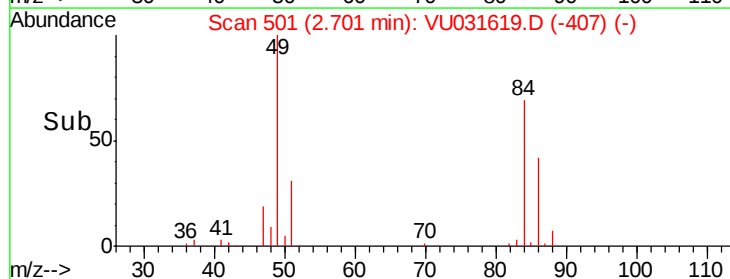
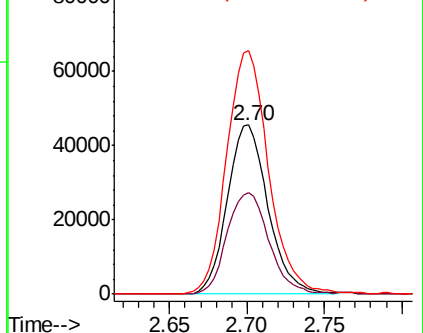
49 144.0 96.5 179.3

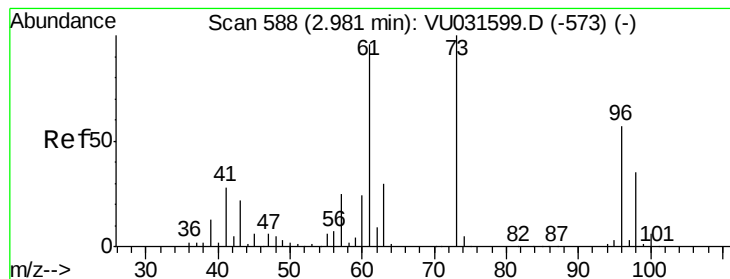


Abundance Ion 84.00 (83.70 to 84.70): VU031619.D (-487) (-)

Ion 86.00 (85.70 to 86.70): VU031619.D (-487) (-)

Ion 49.00 (48.70 to 49.70): VU031619.D (-487) (-)





#17

trans-1,2-Dichloroethene

Concen: 1.901 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU031619.D

Acq: 30 Apr 2019 04:42

Instrument :

MSVOA_U

ClientSampleId :

C0WZ4

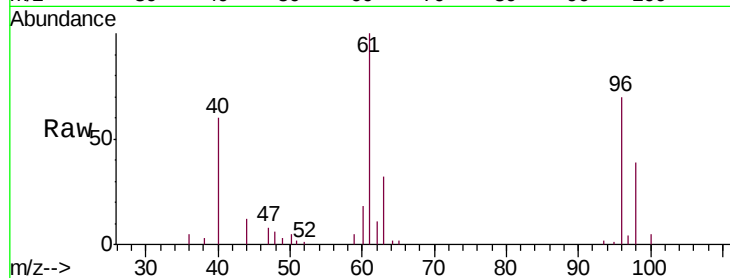
Tgt Ion: 96 Resp: 9649

Ion Ratio Lower Upper

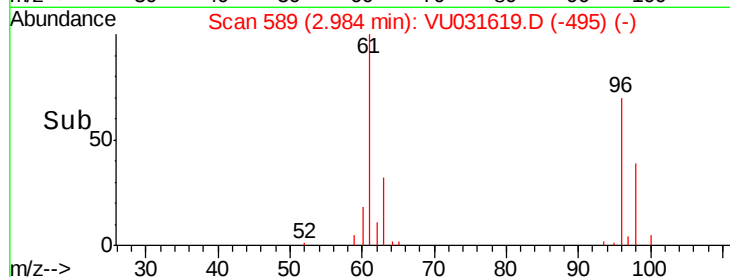
96 100

61 143.5 114.5 212.7

98 55.7 45.4 84.2

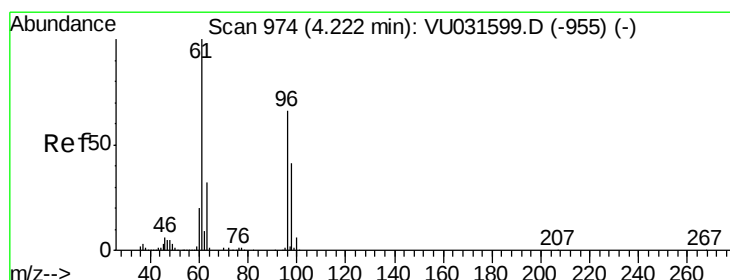
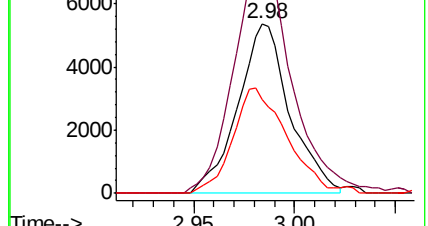


Abundance Ion 96.00 (95.70 to 96.70): VU031619.D (-495) (-)



Ion 61.00 (60.70 to 61.70): VU031619.D (-495) (-)

Ion 98.00 (97.70 to 98.70): VU031619.D (-495) (-)



#20

cis-1,2-Dichloroethene

Concen: 36.261 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU031619.D

Acq: 30 Apr 2019 04:42

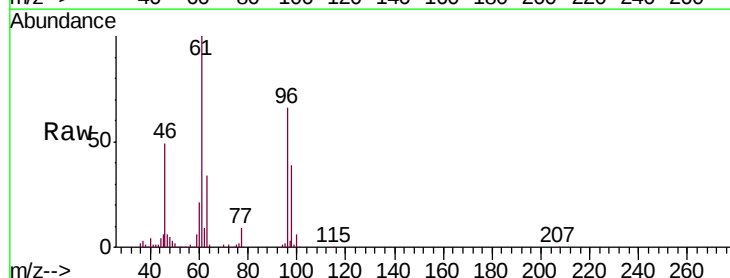
Tgt Ion: 96 Resp: 197453

Ion Ratio Lower Upper

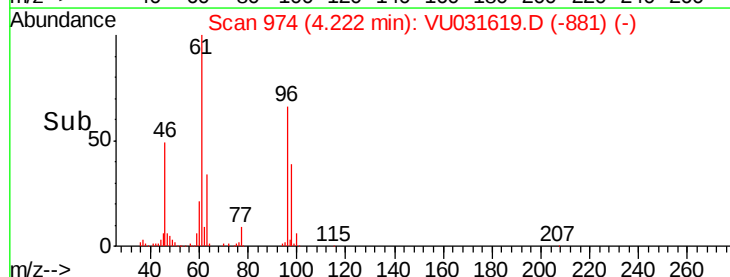
96 100

61 152.6 99.5 184.7

68 0.0 0.0 0.0

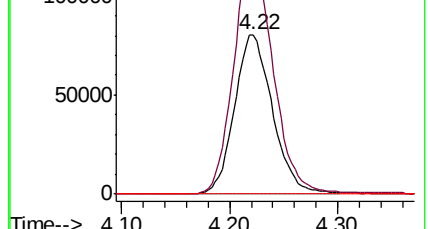


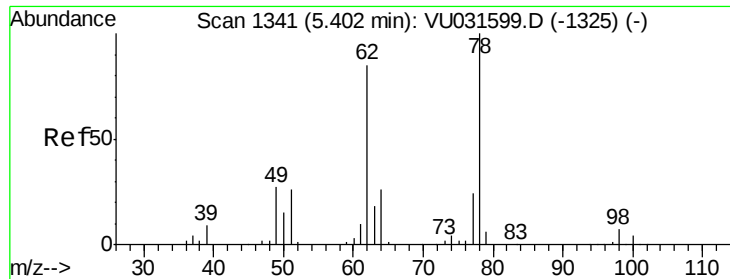
Abundance Ion 96.00 (95.70 to 96.70): VU031619.D (-881) (-)



Ion 61.00 (60.70 to 61.70): VU031619.D (-881) (-)

Ion 68.00 (67.70 to 68.70): VU031619.D (-881) (-)

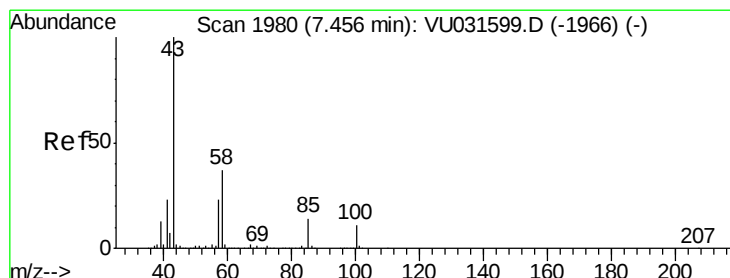
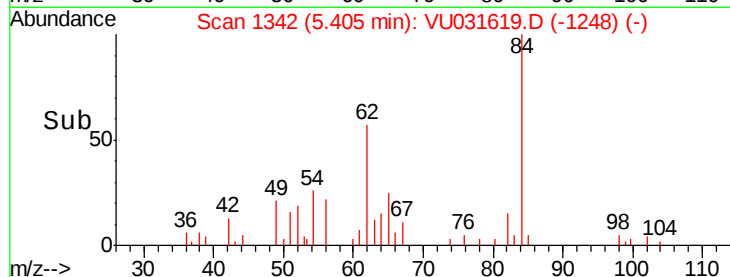
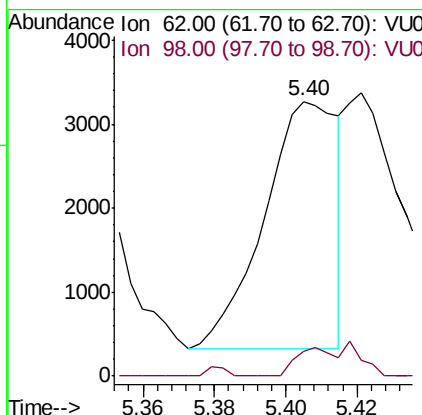
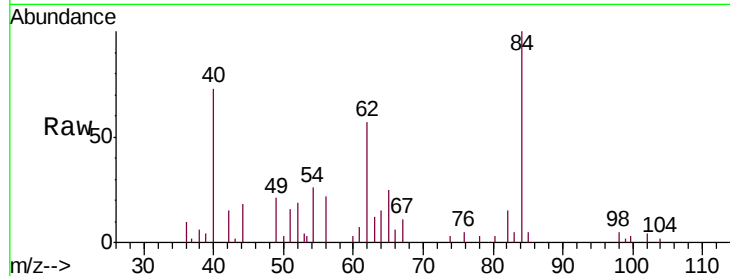




#27
 1,2-Dichloroethane
 Concen: 0.507 ug/L
 RT: 5.40 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VU031619.D
 Acq: 30 Apr 2019 04:42

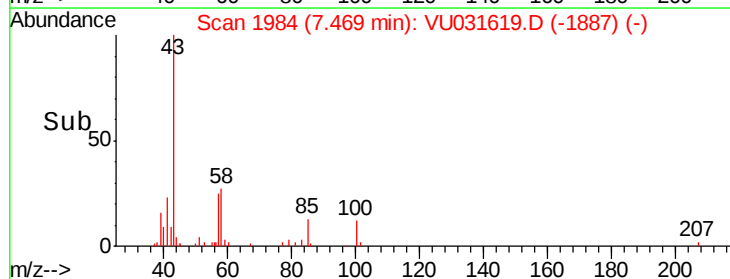
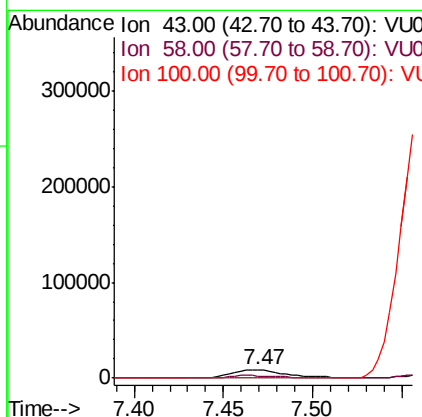
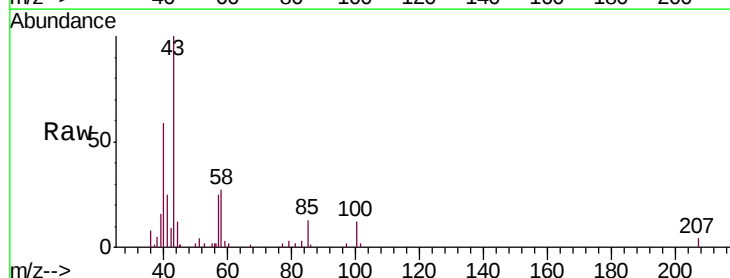
Instrument :
 MSVOA_U
 ClientSampleId :
 C0WZ4

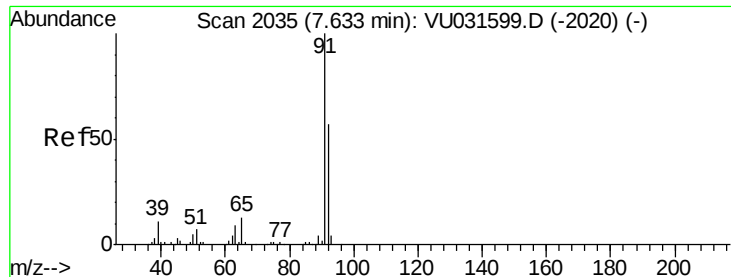
Tgt Ion: 62 Resp: 4209
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.1 10.7



#40
 4-Methyl-2-pentanone
 Concen: 1.843 ug/L
 RT: 7.47 min Scan# 1984
 Delta R.T. 0.01 min
 Lab File: VU031619.D
 Acq: 30 Apr 2019 04:42

Tgt Ion: 43 Resp: 18441
 Ion Ratio Lower Upper
 43 100
 58 34.2 30.1 45.1
 100 9.0 9.6 14.4#





#42

Toluene

Concen: 8.301 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031619.D

Acq: 30 Apr 2019 04:42

Instrument :

MSVOA_U

ClientSampled :

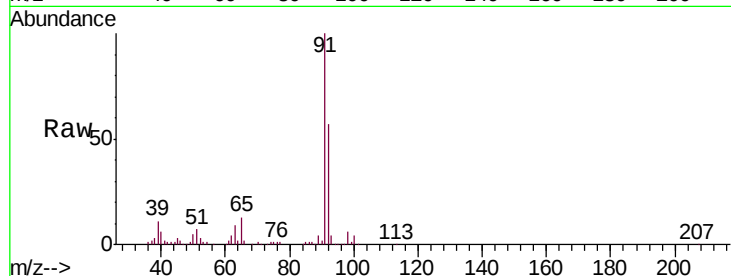
COWZ4

Tgt Ion: 91 Resp: 189394

Ion Ratio Lower Upper

91 100

92 57.4 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU031619.D (-2125) (-)

Ion 92.00 (91.70 to 92.70): VU031619.D (-2125) (-)

7.64

100000

80000

60000

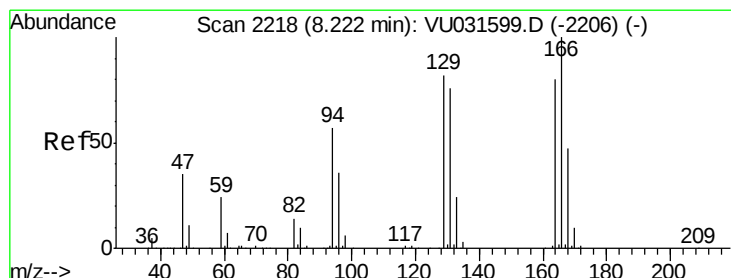
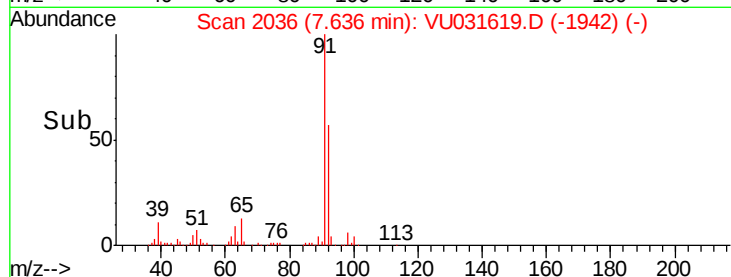
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#46

Tetrachloroethene

Concen: 12.237 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031619.D

Acq: 30 Apr 2019 04:42

Tgt Ion: 164 Resp: 46319

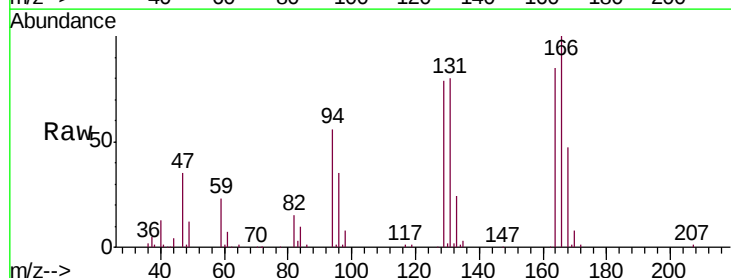
Ion Ratio Lower Upper

164 100

129 93.6 71.5 132.9

131 94.5 69.0 128.2

166 118.1 93.7 173.9



Abundance Ion 164.00 (163.70 to 164.70): VU031619.D (-2125) (-)

Ion 129.00 (128.70 to 129.70): VU031619.D (-2125) (-)

Ion 131.00 (130.70 to 131.70): VU031619.D (-2125) (-)

Ion 166.00 (165.70 to 166.70): VU031619.D (-2125) (-)

50000

40000

30000

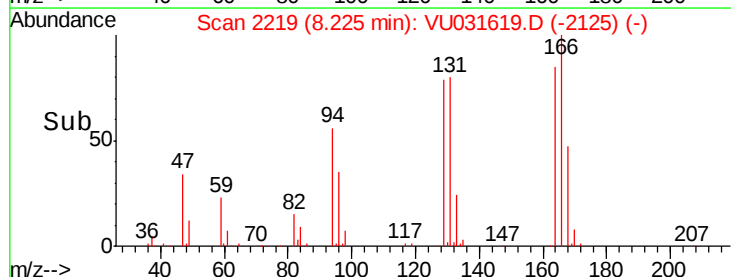
20000

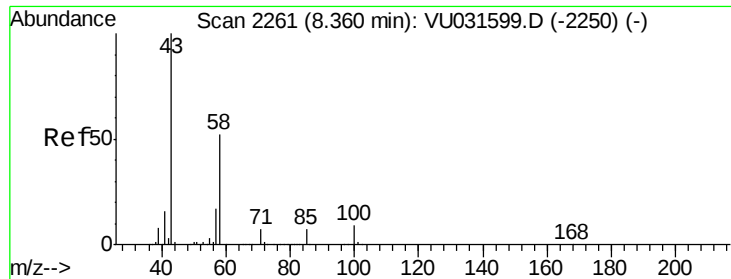
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0

8.15 8.20 8.25

Time-->

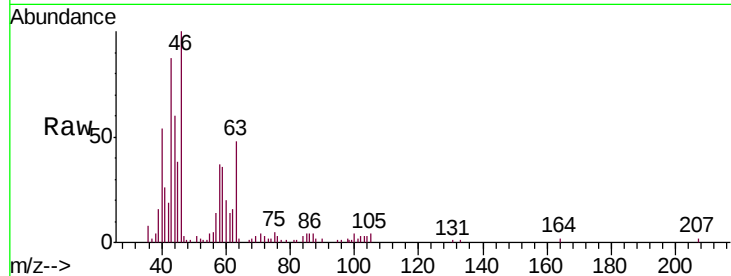




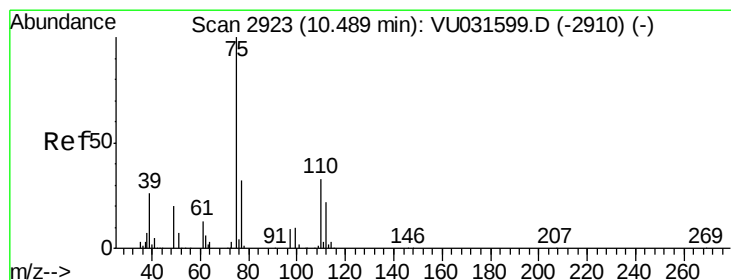
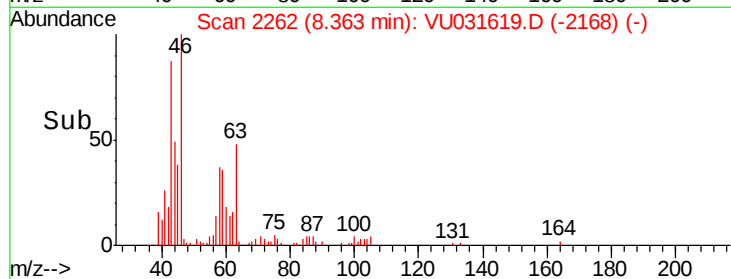
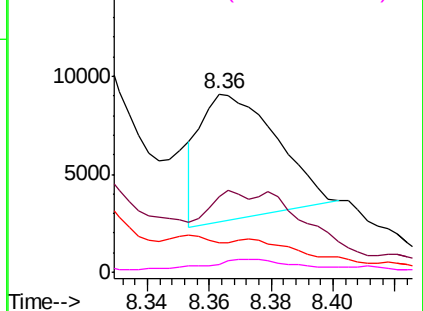
#48
 2-Hexanone
 Concen: 1.344 ug/L
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU031619.D
 Acq: 30 Apr 2019 04:42

Instrument :
 MSVOA_U
 ClientSampleId :
 COWZ4

Tgt Ion: 43 Resp: 10876
 Ion Ratio Lower Upper
 43 100
 58 11.3 42.1 63.1#
 57 0.0 14.6 22.0#
 100 10.3 7.2 10.8

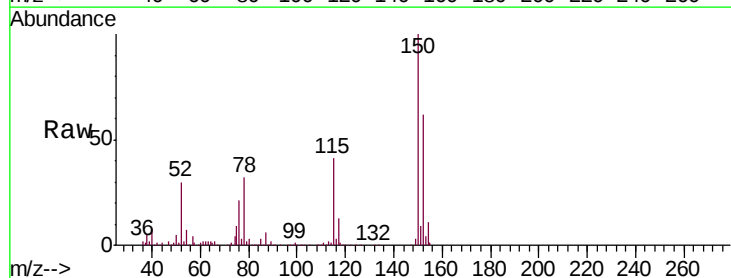


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0



#59
 1,2,3-Trichloropropane
 Concen: 4.116 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU031619.D
 Acq: 30 Apr 2019 04:42

Tgt Ion: 75 Resp: 31731
 Ion Ratio Lower Upper
 75 100
 77 38.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

