

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031519\
 Data File : VU030032.D
 Acq On : 13 Mar 2019 15:49
 Operator : JC/SP
 Sample : K1838-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1B2

Quant Time: Mar 14 01:40:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 14 01:36:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	480112	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	466489	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	220189	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	141093	44.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.86%
7) Chloroethane-d5	1.68	69	119913	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.56%
11) 1,1-Dichloroethene-d2	2.27	63	206858	36.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.18%
21) 2-Butanone-d5	4.17	46	240956	101.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.27%
24) Chloroform-d	4.64	84	266923	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.72%
26) 1,2-Dichloroethane-d4	5.31	65	164395	49.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.90%
32) Benzene-d6	5.34	84	583925	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
36) 1,2-Dichloropropane-d6	6.32	67	184130	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.20%
41) Toluene-d8	7.56	98	526584	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%
43) trans-1,3-Dichloropropene-	7.85	79	82771	46.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.98%
47) 2-Hexanone-d5	8.31	63	212279	103.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.23%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	276606	48.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	218779	51.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.58%

Target Compounds

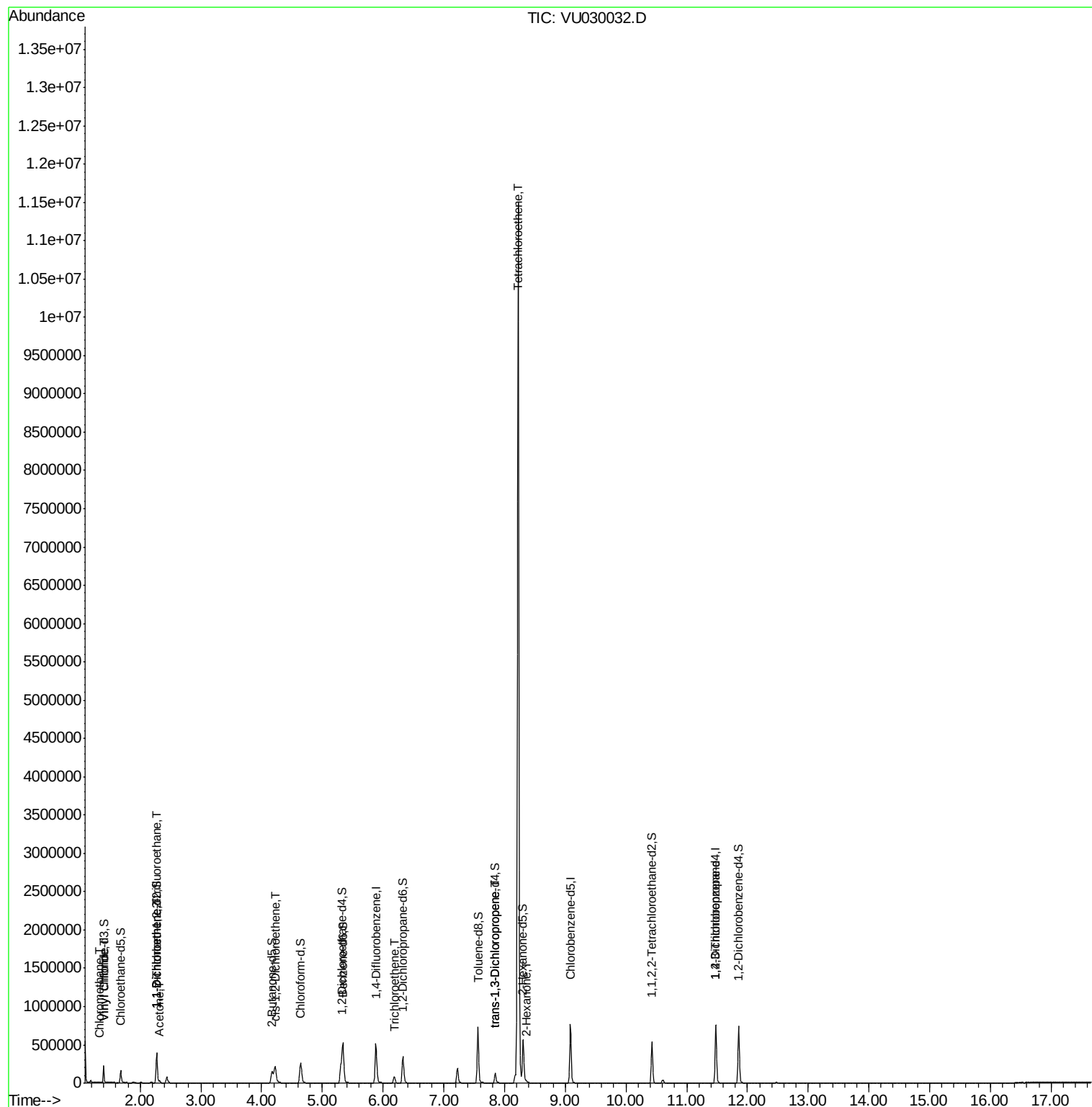
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	3578	1.069	ug/L	98
5) Vinyl chloride	1.40	62	3104	0.846	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4231	1.341	ug/L #	64
12) 1,1-Dichloroethene	2.28	96	22522	7.484	ug/L #	1
13) Acetone	2.32	43	26255	9.438	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	127368	34.141	ug/L	94
34) Trichloroethene	6.18	95	32370	9.252	ug/L	99
44) trans-1,3-Dichloropropene	7.84	75	3186	0.639	ug/L	96
46) Tetrachloroethene	8.22	164	2808086	917.168	ug/L	99
48) 2-Hexanone	8.36	43	3995	0.988	ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	22738	4.972	ug/L	94

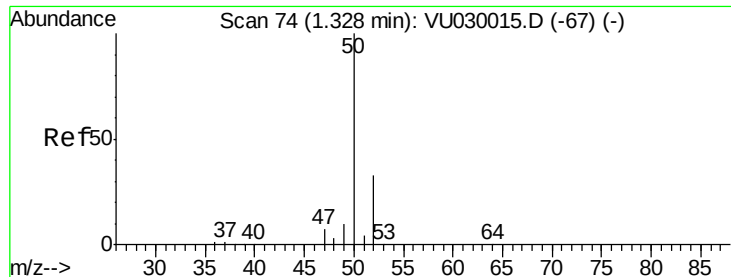
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.069 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030032.D

Acq: 13 Mar 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

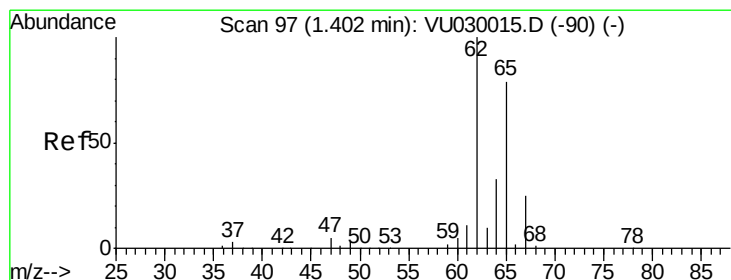
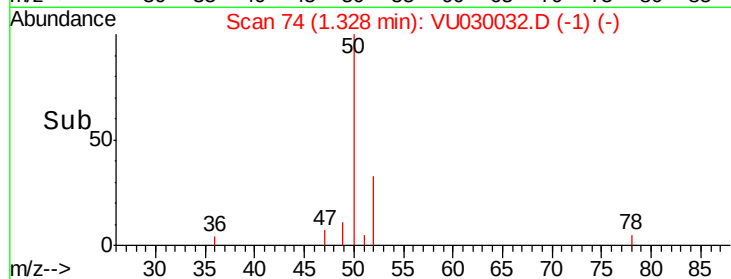
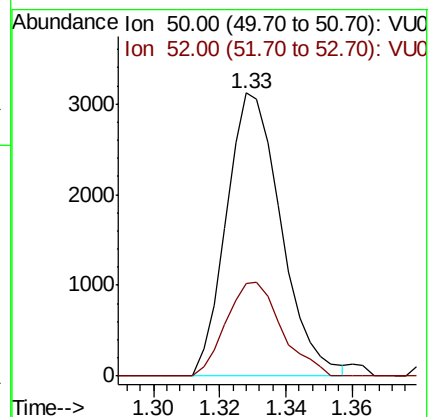
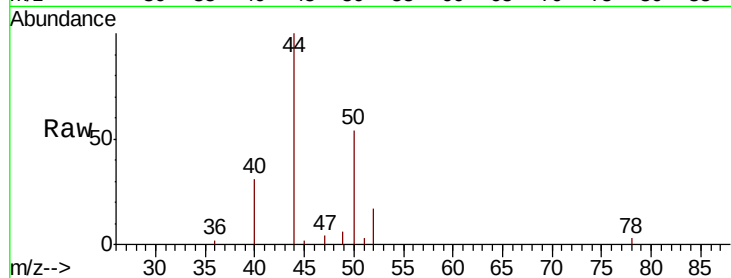
BF1B2

Tgt Ion: 50 Resp: 3578

Ion Ratio Lower Upper

50 100

52 32.6 23.4 43.6



#5

Vinyl chloride

Concen: 0.846 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030032.D

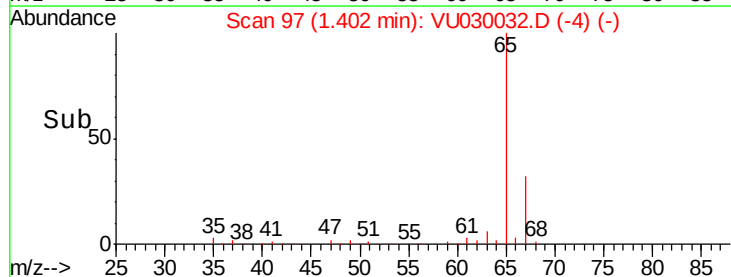
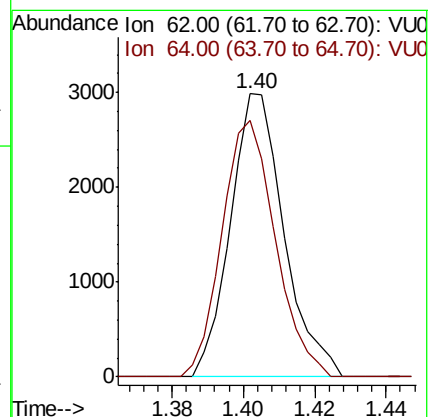
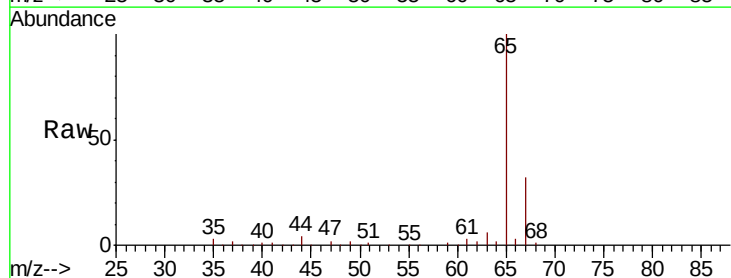
Acq: 13 Mar 2019 15:49

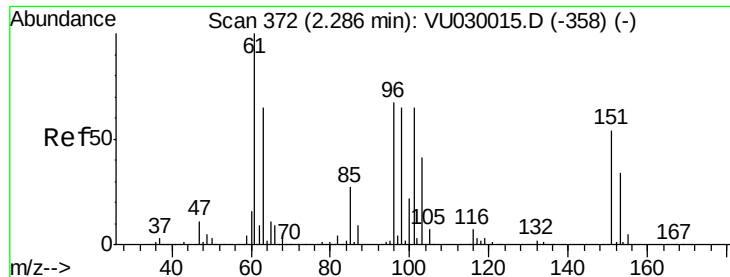
Tgt Ion: 62 Resp: 3104

Ion Ratio Lower Upper

62 100

64 90.8 23.6 43.8#





#10

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

Concen: 1.341 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VU030032.D

Acq: 13 Mar 2019 15:49

Instrument :

MSVOA_U

ClientSampled :

BF1B2

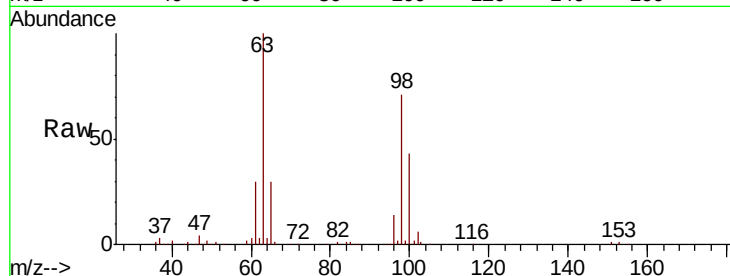
Tgt Ion: 101 Resp: 4231

Ion Ratio Lower Upper

101 100

85 24.6 33.0 49.4#

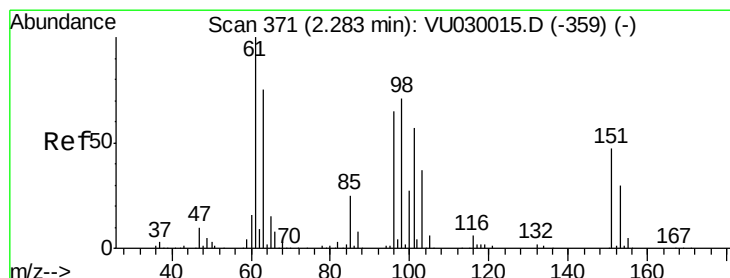
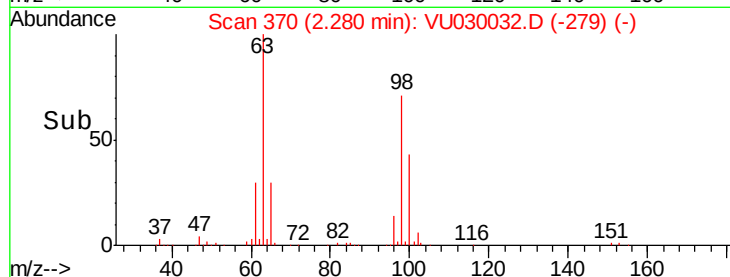
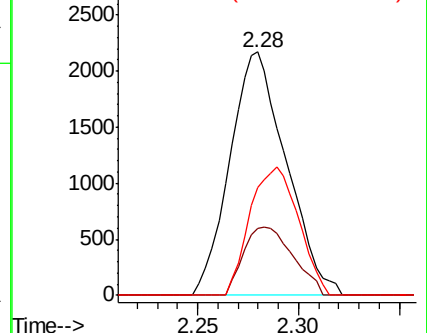
151 45.5 66.1 99.1#



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: 7.484 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030032.D

Acq: 13 Mar 2019 15:49

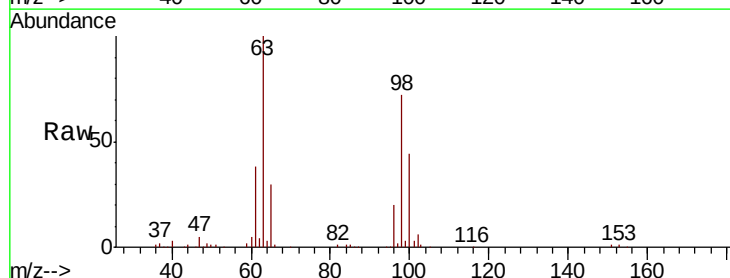
Tgt Ion: 96 Resp: 22522

Ion Ratio Lower Upper

96 100

61 189.2 110.4 205.0

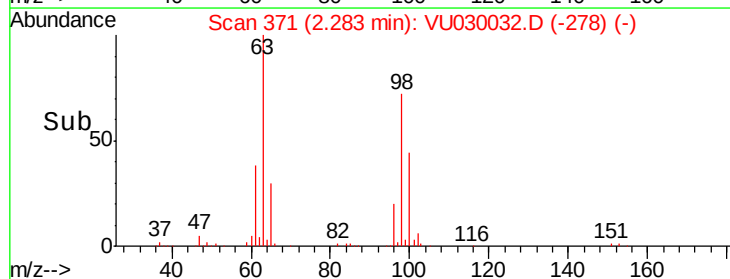
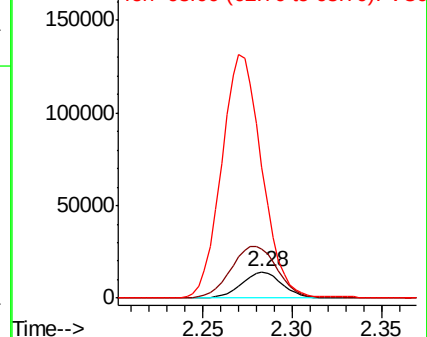
63 503.5 86.5 160.7#

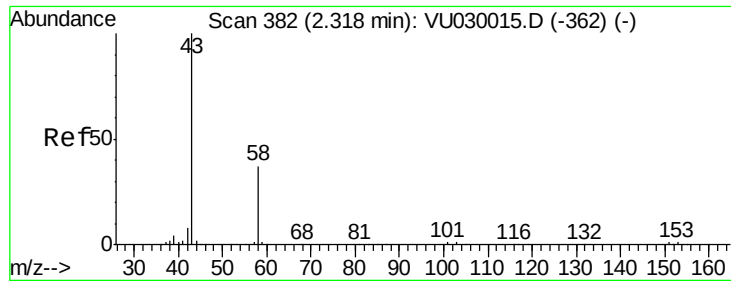


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.438 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU030032.D

Acq: 13 Mar 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

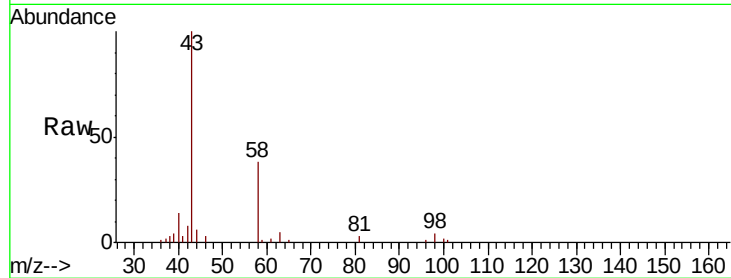
BF1B2

Tgt Ion: 43 Resp: 26255

Ion Ratio Lower Upper

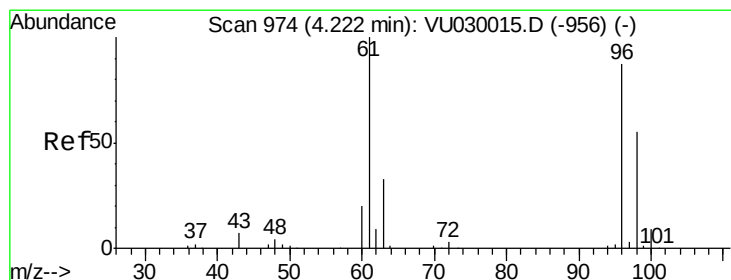
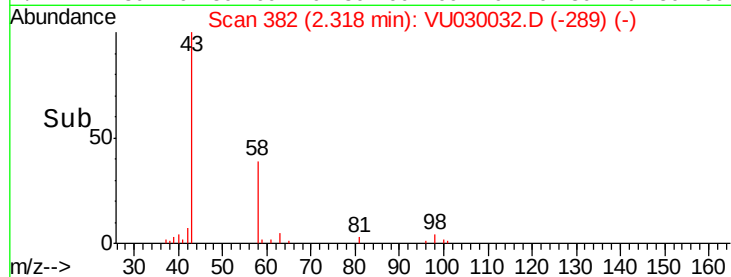
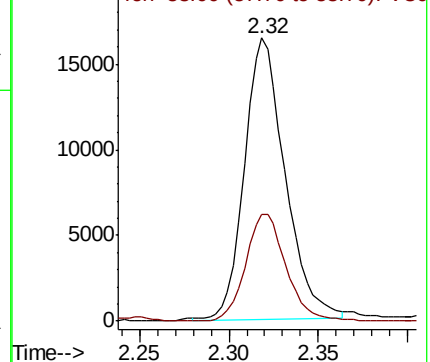
43 100 0.0 73.0

58 37.7 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU030015.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030015.D (-362) (-)



#20

cis-1,2-Dichloroethene

Concen: 34.141 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU030032.D

Acq: 13 Mar 2019 15:49

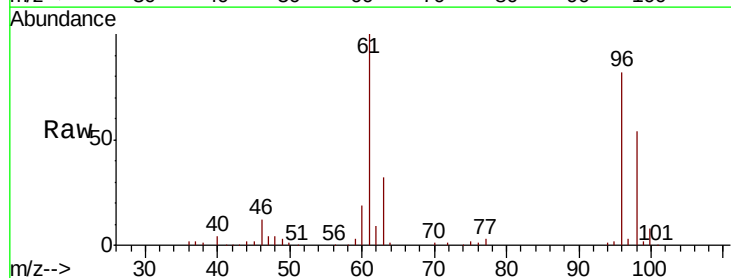
Tgt Ion: 96 Resp: 127368

Ion Ratio Lower Upper

96 100 80.8 150.2

61 121.5 80.8 150.2

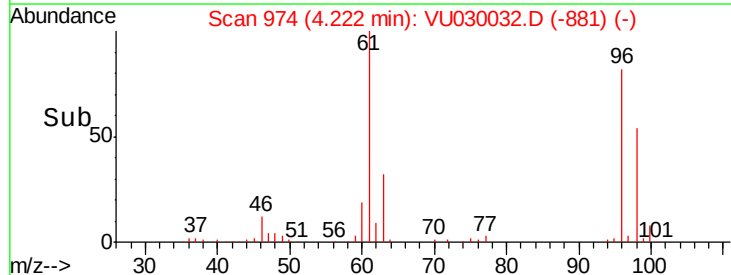
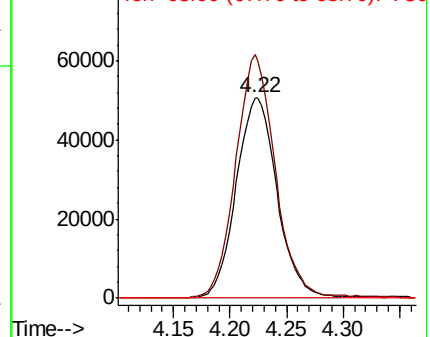
68 0.0 0.0 0.0

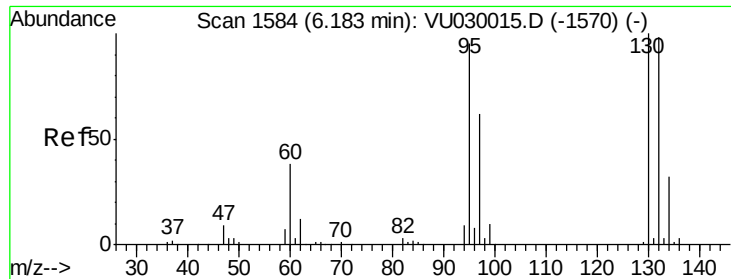


Abundance Ion 96.00 (95.70 to 96.70): VU030015.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU030015.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU030015.D (-956) (-)

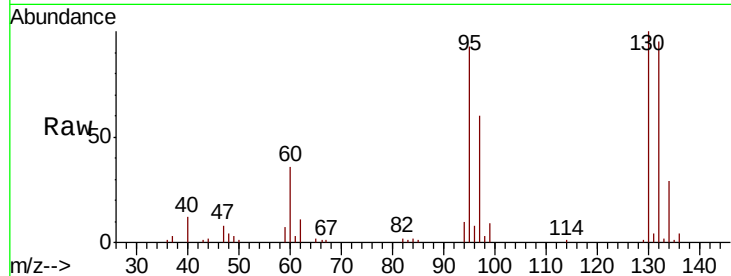




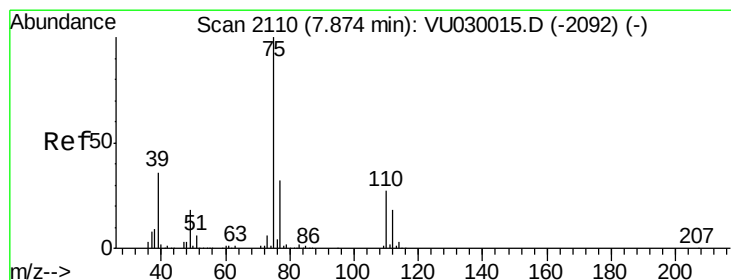
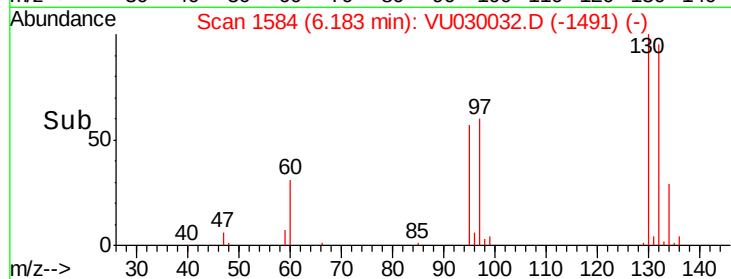
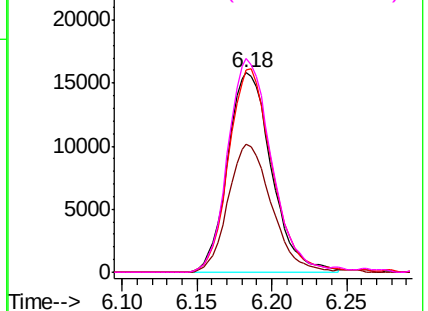
#34
 Trichloroethene
 Concen: 9.252 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VU030032.D
 Acq: 13 Mar 2019 15:49

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1B2

Tgt Ion: 95 Resp: 32370
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.5 84.5
 132 101.8 71.5 132.7
 130 107.3 73.5 136.5

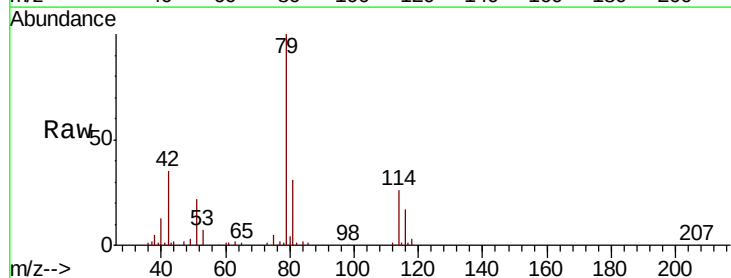


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

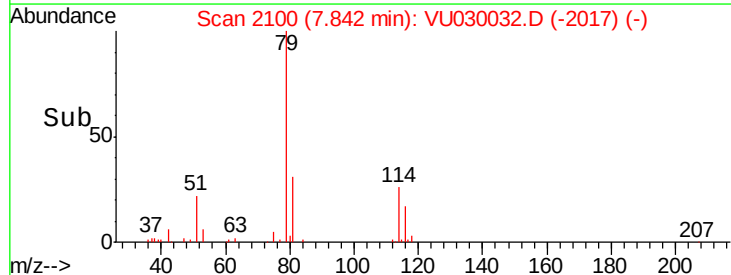
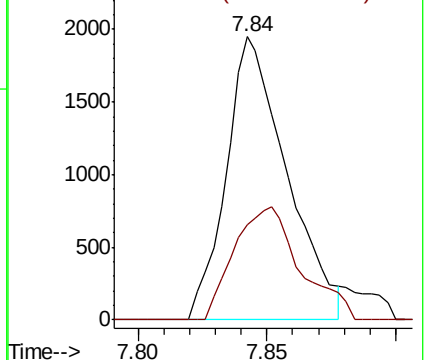


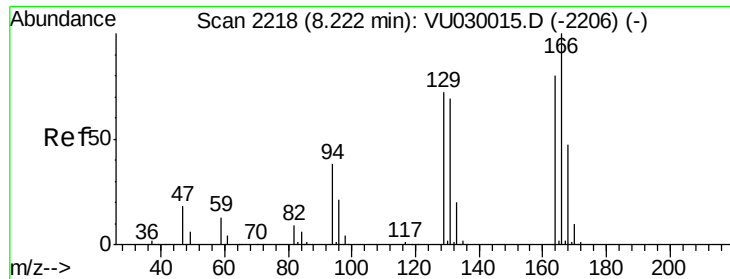
#44
 trans-1,3-Dichloropropene
 Concen: 0.639 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. -0.03 min
 Lab File: VU030032.D
 Acq: 13 Mar 2019 15:49

Tgt Ion: 75 Resp: 3186
 Ion Ratio Lower Upper
 75 100
 77 33.6 21.9 40.7



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





#46

Tetrachloroethene

Concen: 917.168 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030032.D

Acq: 13 Mar 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

BF1B2

Tgt Ion:164 Resp: 2808086

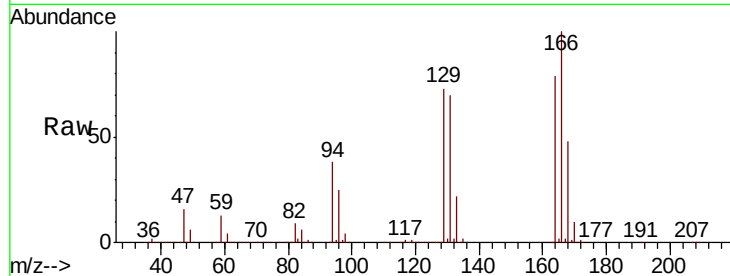
Ion Ratio Lower Upper

164 100

129 92.1 63.3 117.7

131 88.4 62.0 115.2

166 127.0 90.5 168.1

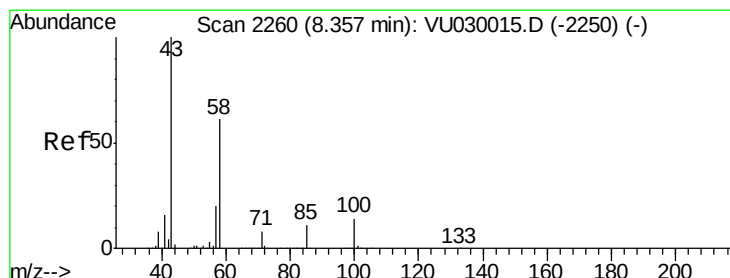
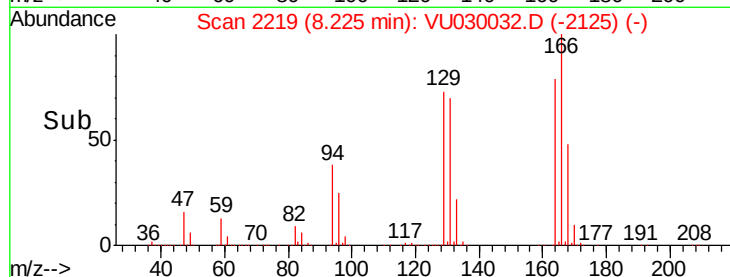
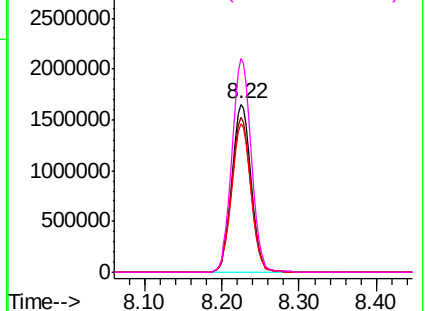


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 0.988 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU030032.D

Acq: 13 Mar 2019 15:49

Tgt Ion: 43 Resp: 3995

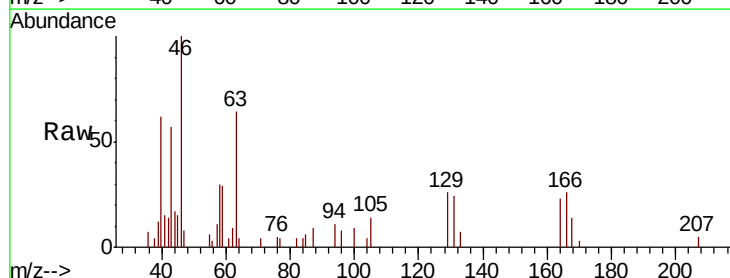
Ion Ratio Lower Upper

43 100

58 49.6 48.6 72.8

57 14.7 16.1 24.1#

100 10.4 11.6 17.4#

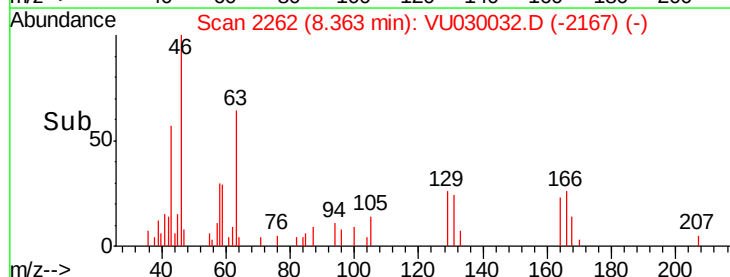
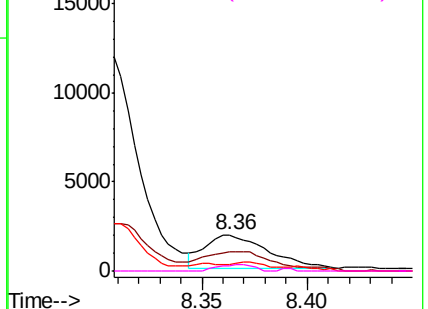


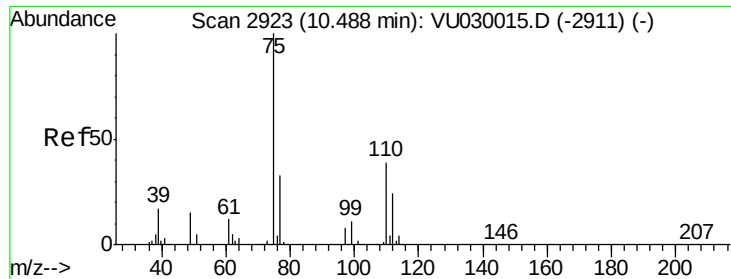
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 4.972 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030032.D

Acq: 13 Mar 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

BF1B2

Tgt Ion: 75 Resp: 22738

Ion Ratio Lower Upper

75 100

77 35.8 25.8 38.8

