

Data File : VU031912.D
Acq On : 11 May 2019 00:40
Operator : JC/SP
Sample : K2705-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0B53

Quant Time: May 11 02:51:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat May 11 02:45:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1021253	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1037938	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	374905	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	372649	43.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.20%
7) Chloroethane-d5	1.82	69	294	0.04	ug/L	0.15
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.08%#
11) 1,1-Dichloroethene-d2	2.50	63	247	0.01	ug/L	0.23
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.02%#
21) 2-Butanone-d5	4.17	46	665850	85.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.98%
24) Chloroform-d	4.64	84	685653	43.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.30	65	463997	45.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.74%
32) Benzene-d6	5.33	84	1431235	44.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.82%
36) 1,2-Dichloropropane-d6	6.32	67	486708	43.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.80%
41) Toluene-d8	7.56	98	1222782	44.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.10%
43) trans-1,3-Dichloropropene-	7.85	79	190301	39.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.06%
47) 2-Hexanone-d5	8.31	63	430736	88.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.75%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	681506	45.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	401490	50.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.84%

Target Compounds

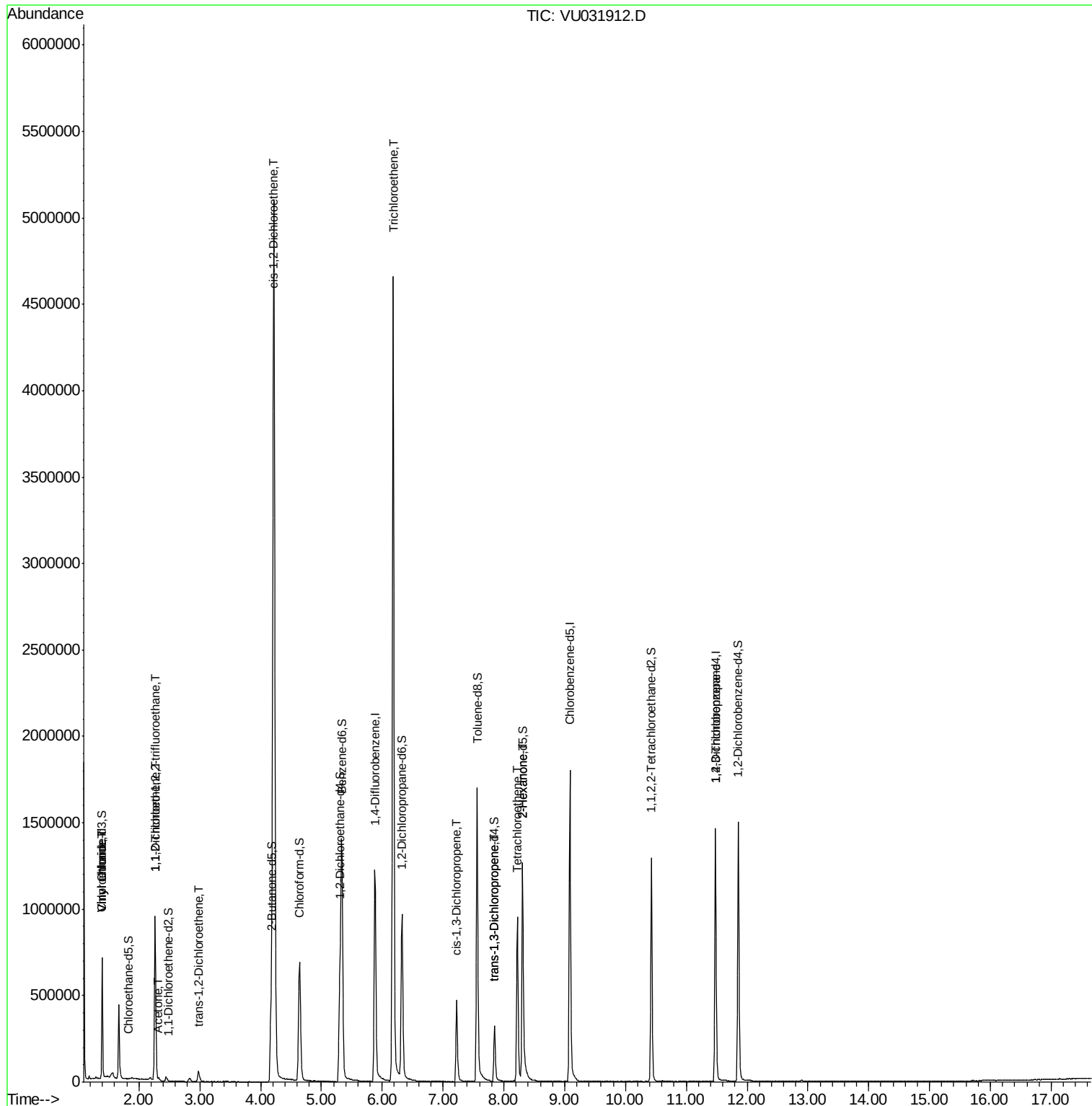
						Qvalue
5) Vinyl chloride	1.40	62	101101	7.959	ug/L	92
8) Chloroethane	1.40	64	42194	6.076	ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4906	0.599	ug/L #	22
12) 1,1-Dichloroethene	2.28	96	32514	4.081	ug/L #	1
13) Acetone	2.32	43	10508	1.205	ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	22742	2.739	ug/L	86
20) cis-1,2-Dichloroethene	4.22	96	282988	317.764	ug/L	95
34) Trichloroethene	6.18	95	1701777	183.970	ug/L	97
39) cis-1,3-Dichloropropene	7.22	75	10354	0.723	ug/L #	54
44) trans-1,3-Dichloropropene	7.85	75	7413	0.571	ug/L #	67
46) Tetrachloroethene	8.22	164	216699	34.363	ug/L	95
48) 2-Hexanone	8.31	43	51961	3.854	ug/L #	78
59) 1,2,3-Trichloropropane	11.48	75	52434	4.082	ug/L	96

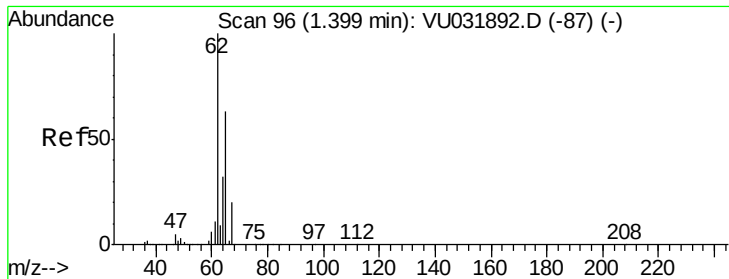
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 7.959 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031912.D

Acq: 11 May 2019 00:40

Instrument :

MSVOA_U

ClientSampleId :

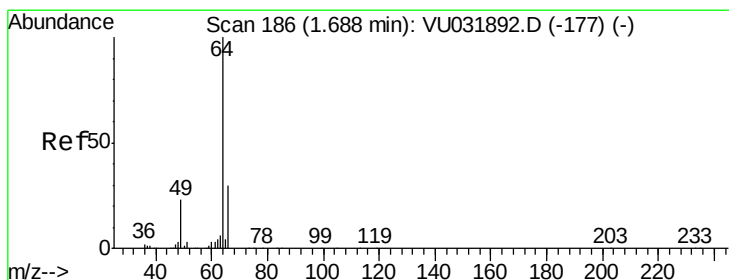
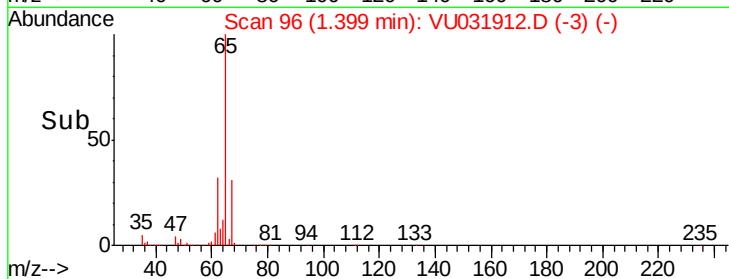
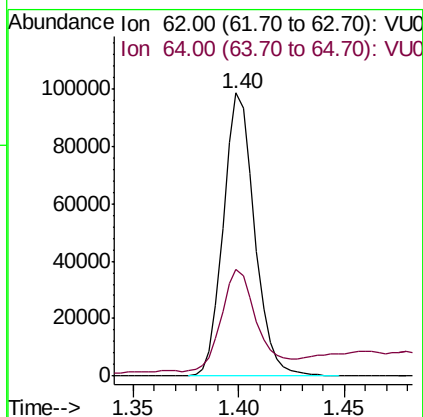
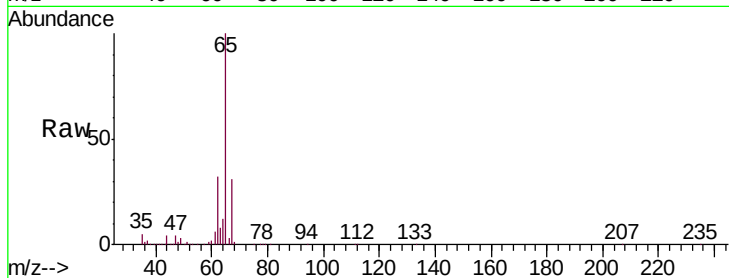
C0B53

Tgt Ion: 62 Resp: 101101

Ion Ratio Lower Upper

62 100

64 37.7 23.1 42.9



#8

Chloroethane

Concen: 6.076 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.29 min

Lab File: VU031912.D

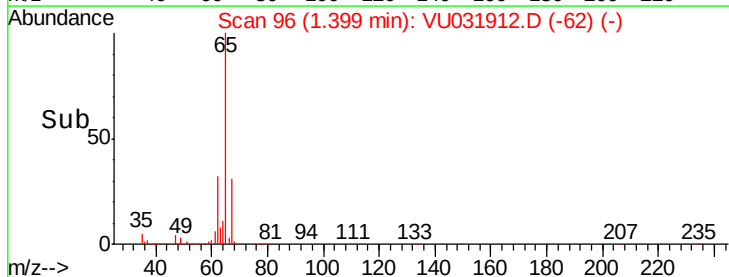
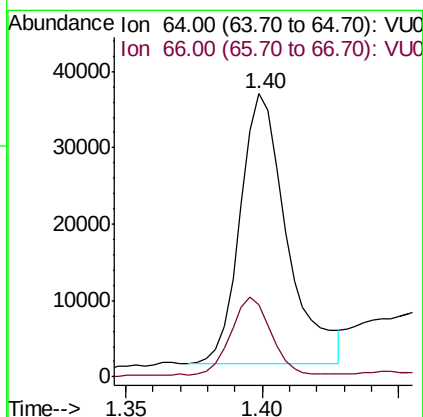
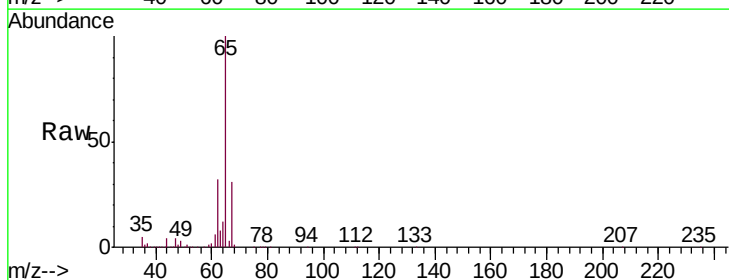
Acq: 11 May 2019 00:40

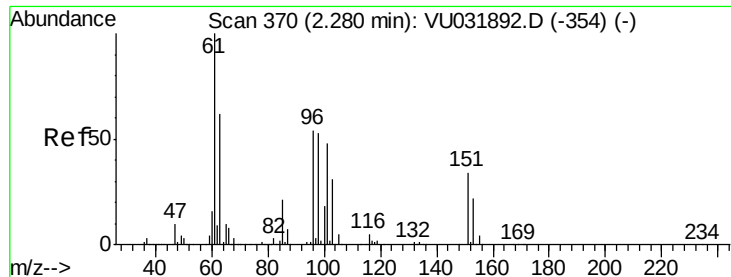
Tgt Ion: 64 Resp: 42194

Ion Ratio Lower Upper

64 100

66 25.5 23.2 43.0





#10

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

Concen: 0.599 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031912.D

Acq: 11 May 2019 00:40

Instrument :

MSVOA_U

ClientSampleId :

C0B53

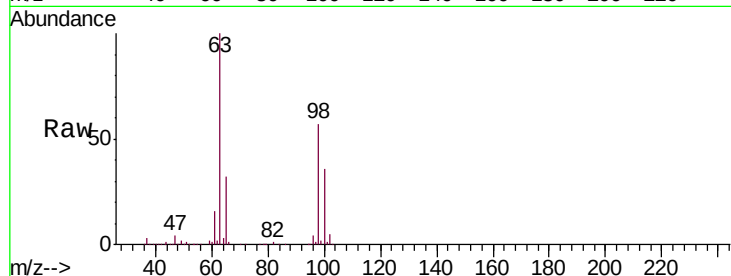
Tgt Ion: 101 Resp: 4906

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

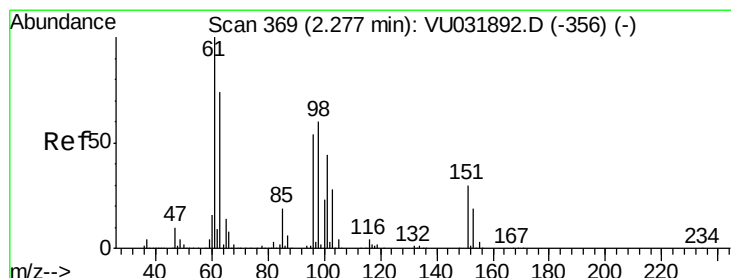
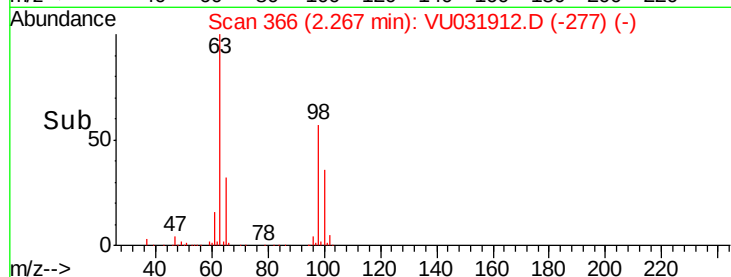
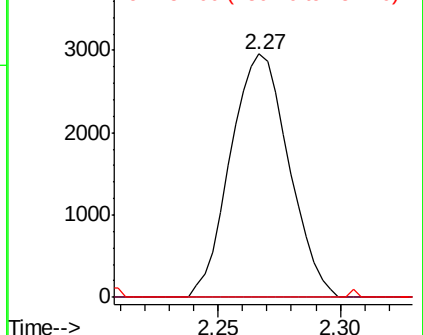
151 0.8 56.1 84.1#



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: 4.081 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031912.D

Acq: 11 May 2019 00:40

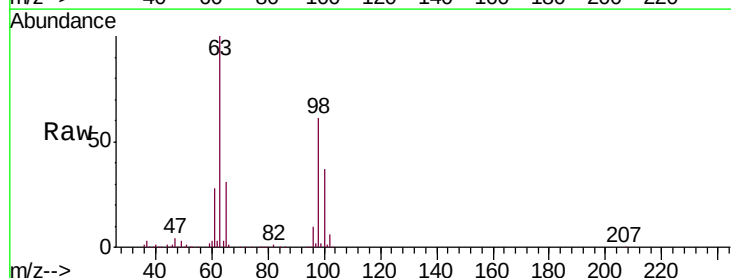
Tgt Ion: 96 Resp: 32514

Ion Ratio Lower Upper

96 100

61 272.7 135.0 250.6#

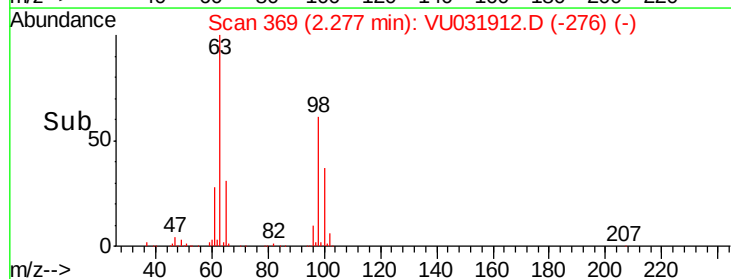
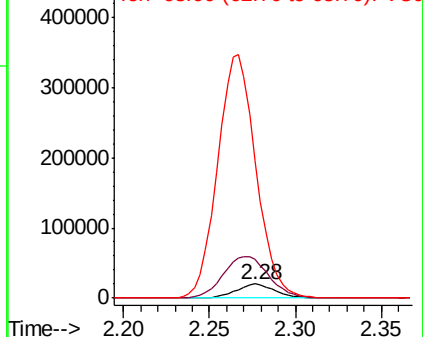
63 970.1 103.5 192.3#

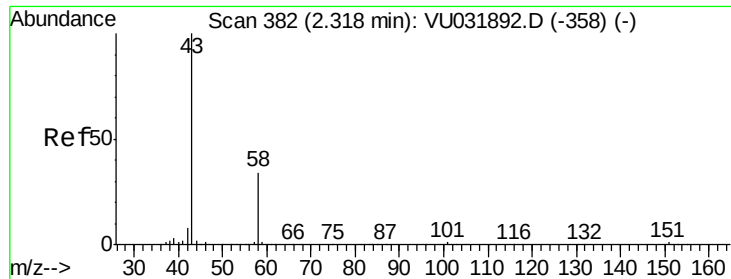


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.205 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU031912.D

Acq: 11 May 2019 00:40

Instrument :

MSVOA_U

ClientSampleId :

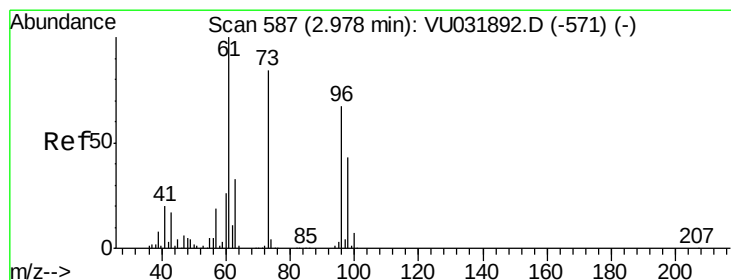
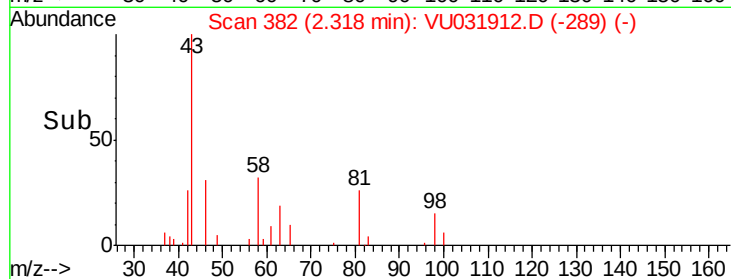
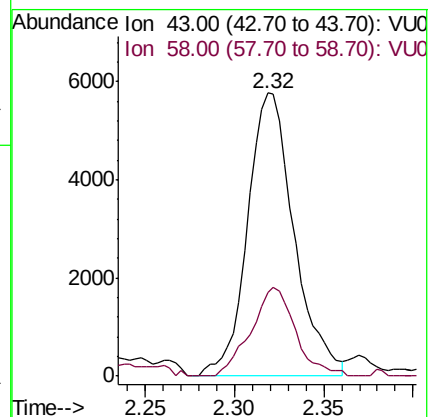
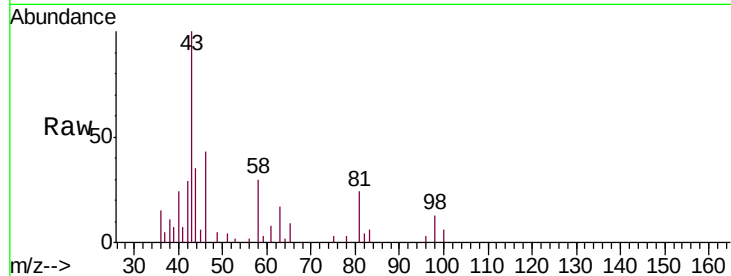
C0B53

Tgt Ion: 43 Resp: 10508

Ion Ratio Lower Upper

43 100

58 29.9 0.0 64.4



#17

trans-1,2-Dichloroethene

Concen: 2.739 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031912.D

Acq: 11 May 2019 00:40

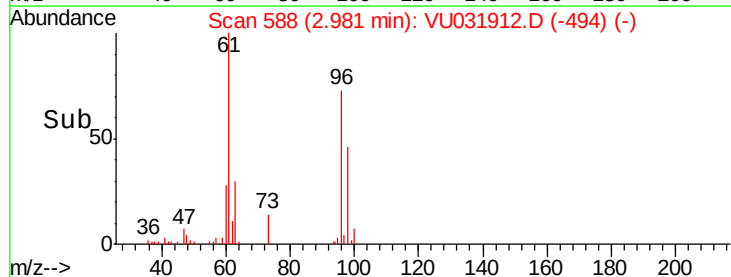
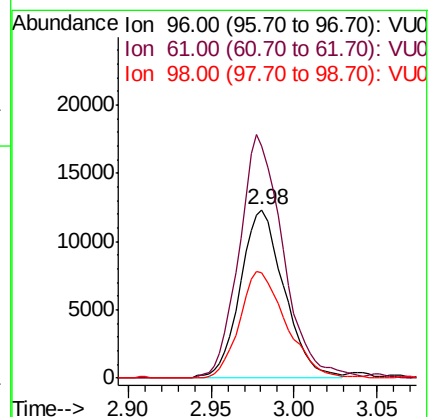
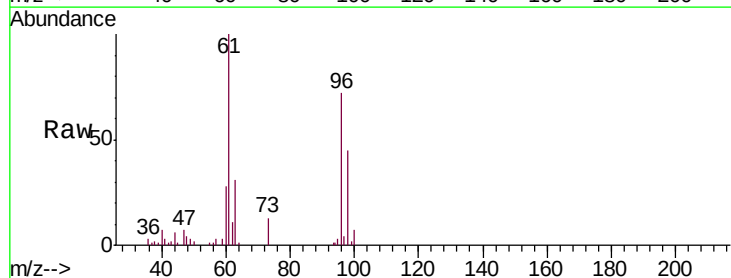
Tgt Ion: 96 Resp: 22742

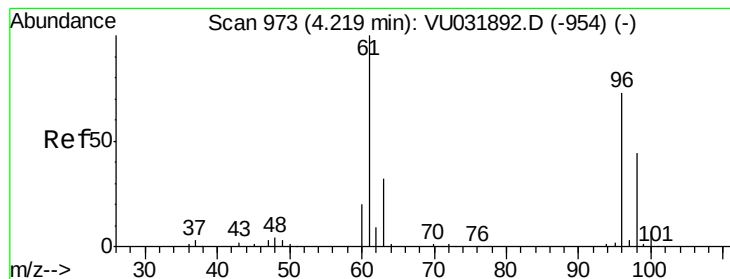
Ion Ratio Lower Upper

96 100

61 138.2 114.5 212.7

98 62.4 45.4 84.2





#20

cis-1,2-Dichloroethene

Concen: 317.764 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031912.D

Acq: 11 May 2019 00:40

Instrument :

MSVOA_U

ClientSampleId :

C0B53

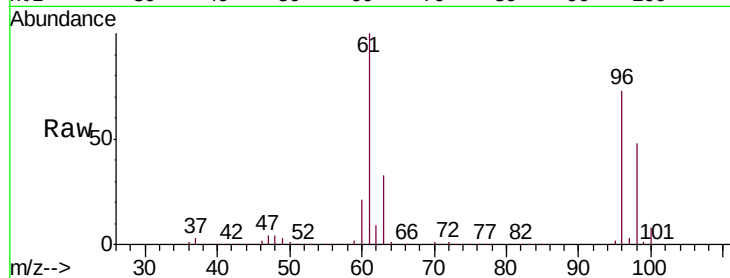
Tgt Ion: 96 Resp: 2829988

Ion Ratio Lower Upper

96 100

61 136.4 99.5 184.7

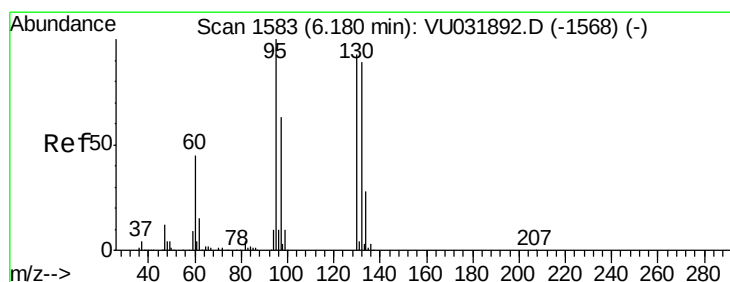
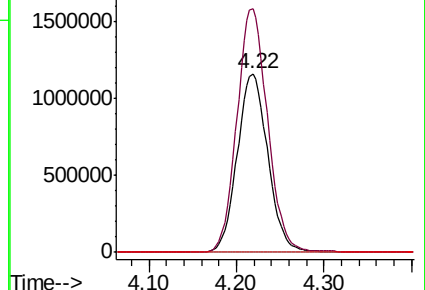
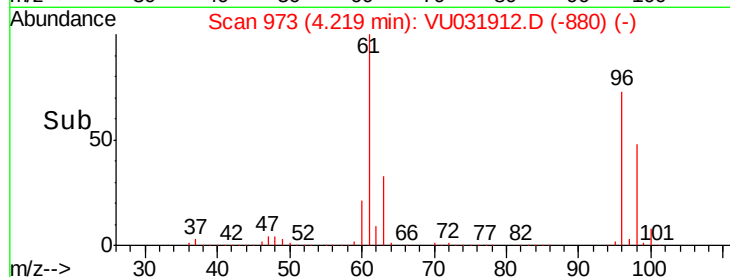
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031912.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU031912.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU031912.D (-880) (-)



#34

Trichloroethene

Concen: 183.970 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031912.D

Acq: 11 May 2019 00:40

Tgt Ion: 95 Resp: 1701777

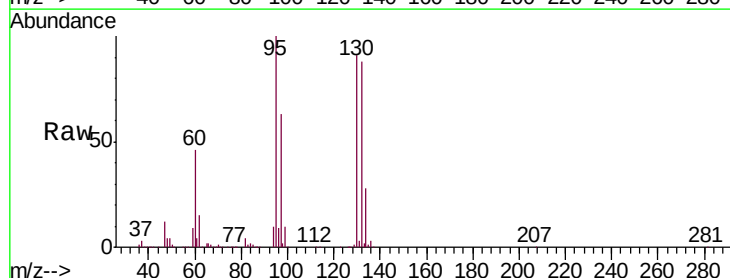
Ion Ratio Lower Upper

95 100

97 62.9 44.8 83.2

132 88.1 63.1 117.1

130 91.5 66.5 123.5

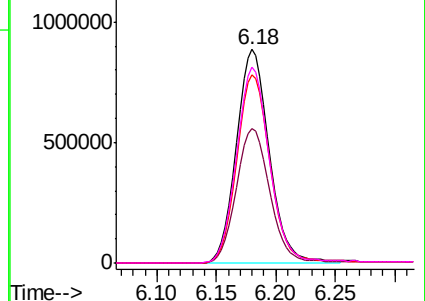
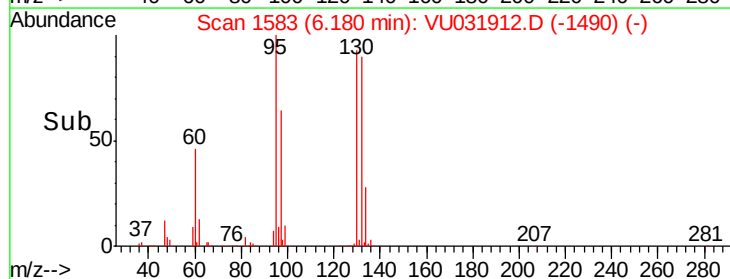


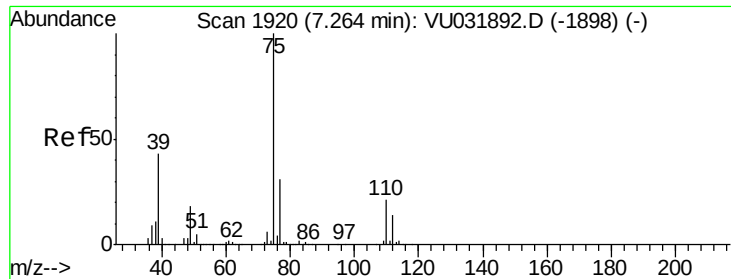
Abundance Ion 95.00 (94.70 to 95.70): VU031912.D (-1490) (-)

Ion 97.00 (96.70 to 97.70): VU031912.D (-1490) (-)

Ion 132.00 (131.70 to 132.70): VU031912.D (-1490) (-)

Ion 130.00 (129.70 to 130.70): VU031912.D (-1490) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.723 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031912.D

Acq: 11 May 2019 00:40

Instrument :

MSVOA_U

ClientSampleId :

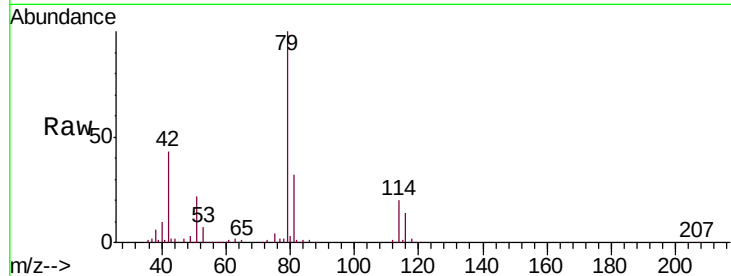
C0B53

Tgt Ion: 75 Resp: 10354

Ion Ratio Lower Upper

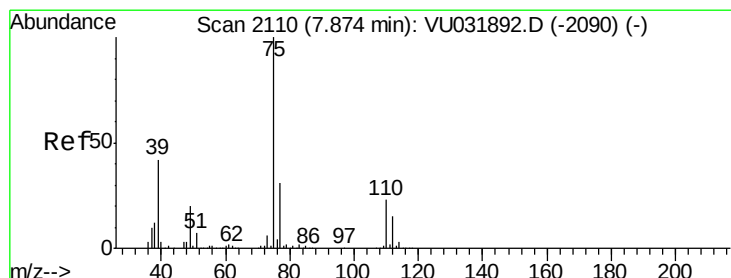
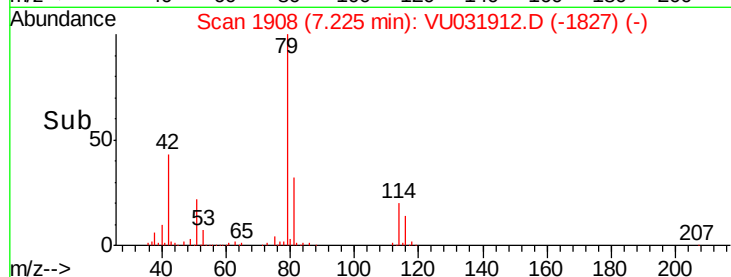
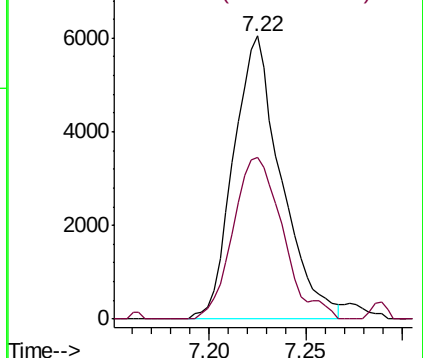
75 100

77 57.0 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.571 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031912.D

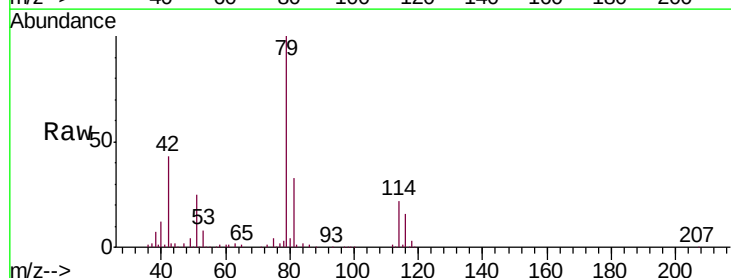
Acq: 11 May 2019 00:40

Tgt Ion: 75 Resp: 7413

Ion Ratio Lower Upper

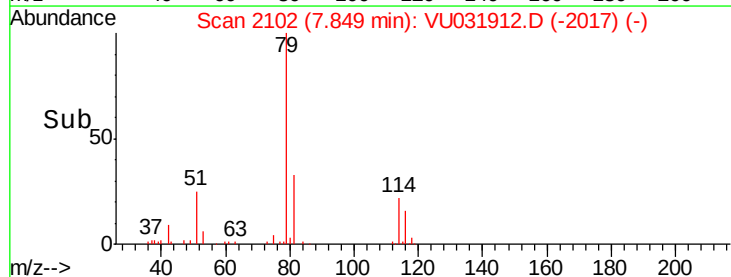
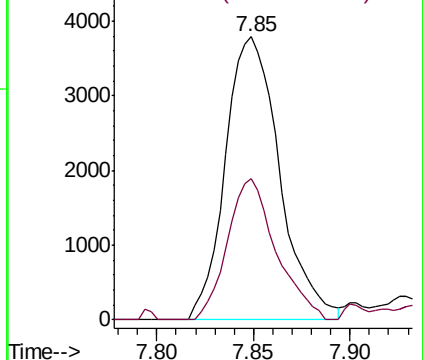
75 100

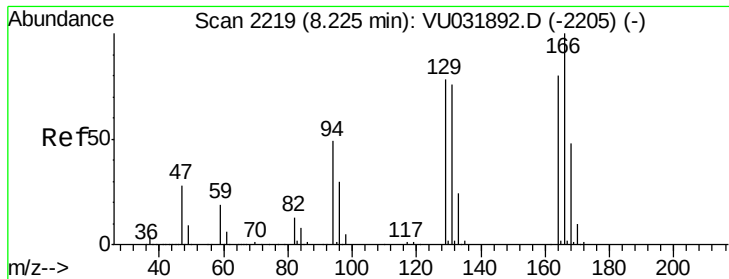
77 49.8 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#46

Tetrachloroethene

Concen: 34.363 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU031912.D

Acq: 11 May 2019 00:40

Instrument :

MSVOA_U

ClientSampleId :

C0B53

Tgt Ion:164 Resp: 216699

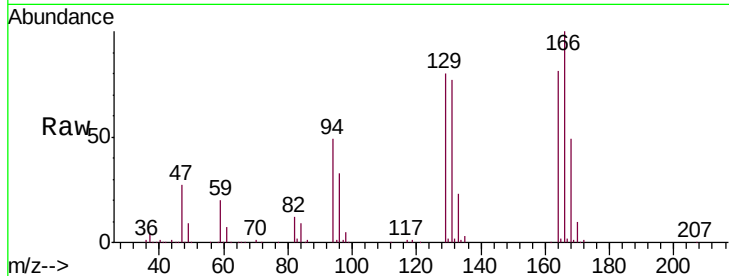
Ion Ratio Lower Upper

164 100

129 99.1 71.5 132.9

131 95.0 69.0 128.2

166 123.9 93.7 173.9

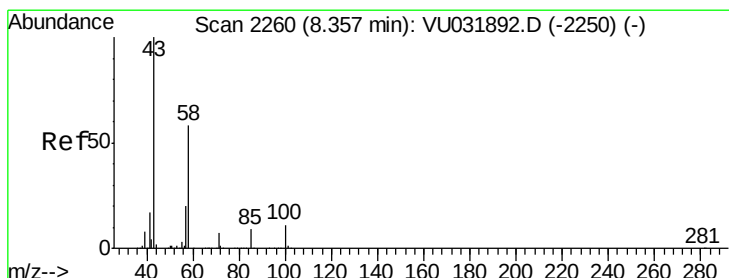
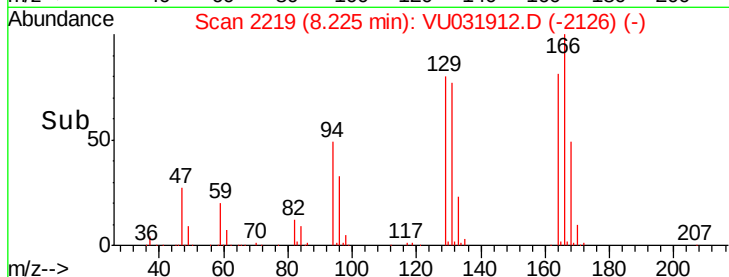
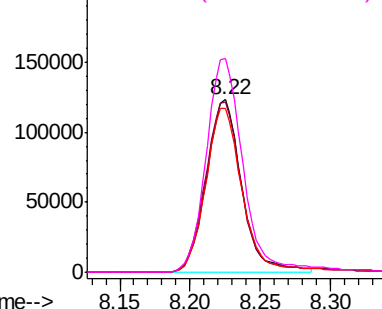


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.854 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU031912.D

Acq: 11 May 2019 00:40

Tgt Ion: 43 Resp: 51961

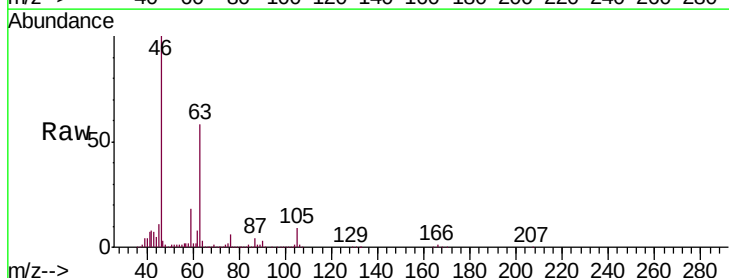
Ion Ratio Lower Upper

43 100

58 38.7 42.1 63.1#

57 31.6 14.6 22.0#

100 1.8 7.2 10.8#

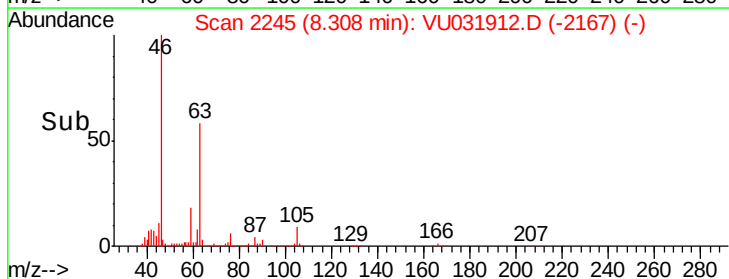
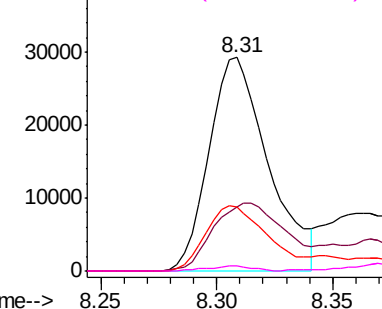


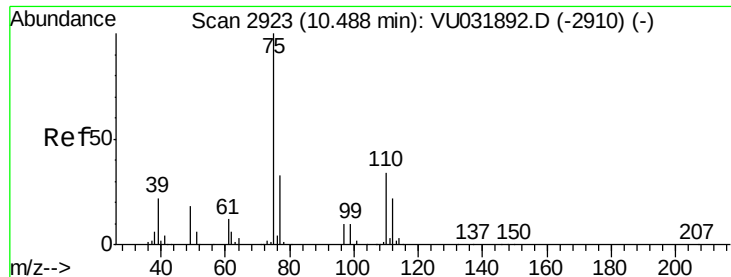
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 4.082 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031912.D

Acq: 11 May 2019 00:40

Instrument :

MSVOA_U

ClientSampleId :

C0B53

Tgt Ion: 75 Resp: 52434

Ion Ratio Lower Upper

75 100

77 34.4 25.9 38.9

