

Data File : VU031746.D
Acq On : 03 May 2019 13:44
Operator : JC/SP
Sample : K2661-05 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0B25

Quant Time: May 04 02:39:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat May 04 02:35:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	855967	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	812597	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	324968	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	361238	50.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.86%
7) Chloroethane-d5	1.68	69	284728	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.86%
11) 1,1-Dichloroethene-d2	2.44	63	247	0.02	ug/L	0.17
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.04%#
21) 2-Butanone-d5	4.19	46	684900	105.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.52%
24) Chloroform-d	4.64	84	584700	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.14%
26) 1,2-Dichloroethane-d4	5.31	65	400863	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
32) Benzene-d6	5.34	84	1217571	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.32	67	417125	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.02%
41) Toluene-d8	7.56	98	1013362	46.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.26%
43) trans-1,3-Dichloropropene-	7.85	79	171076	45.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.80%
47) 2-Hexanone-d5	8.31	63	417639	109.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.91%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	542118	46.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	318633	46.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.24%

Target Compounds

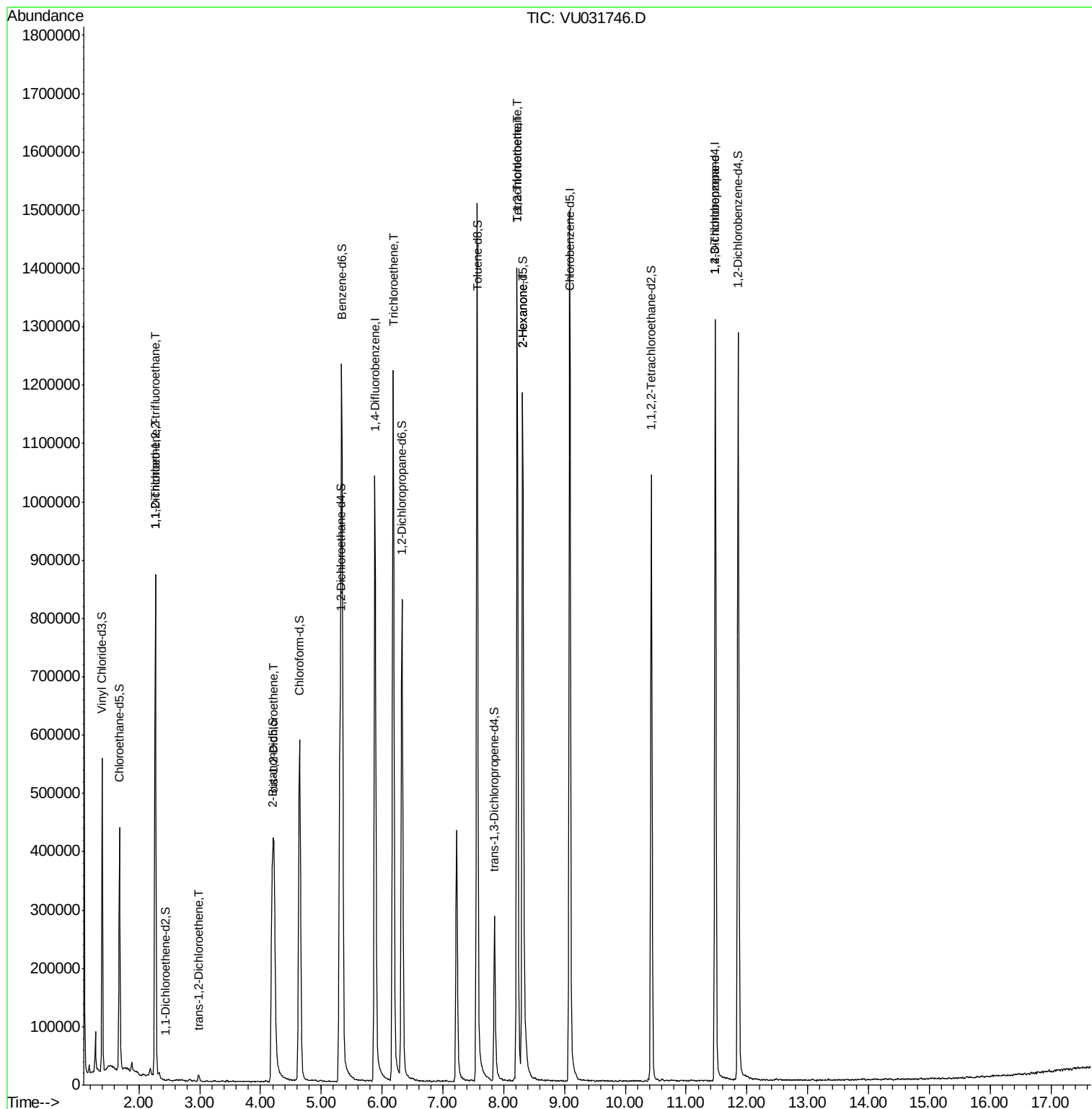
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4260	0.621	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	4132	0.619	ug/L #	1
17) trans-1,2-Dichloroethene	2.98	96	3738	0.537	ug/L	85
20) cis-1,2-Dichloroethene	4.23	96	137699	18.447	ug/L	88
34) Trichloroethene	6.18	95	454610	62.774	ug/L	97
45) 1,1,2-Trichloroethane	8.22	97	2421	0.346	ug/L #	1
46) Tetrachloroethene	8.22	164	301866	61.142	ug/L	97
48) 2-Hexanone	8.31	43	52114	4.938	ug/L #	78
59) 1,2,3-Trichloropropane	11.48	75	44968	4.472	ug/L	93

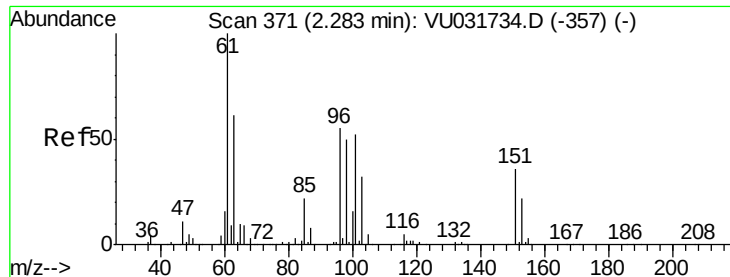
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.621 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031746.D

Acq: 03 May 2019 13:44

Instrument :

MSVOA_U

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C0B25

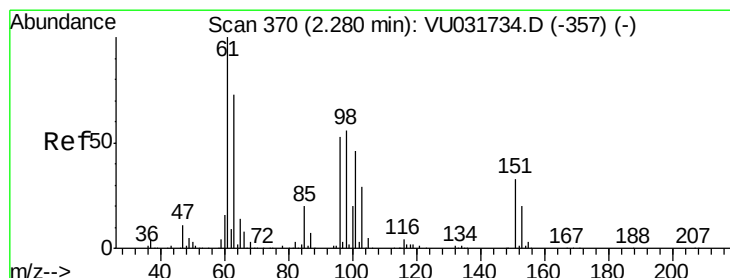
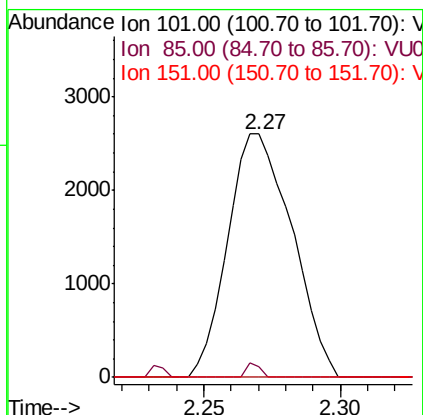
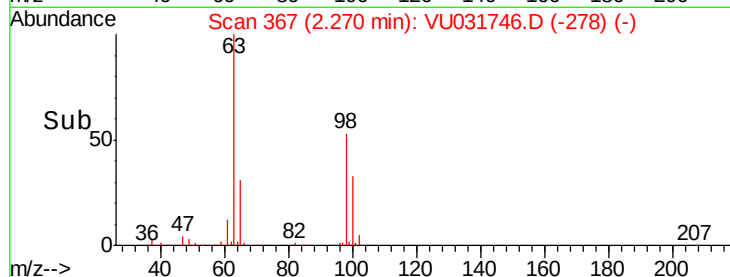
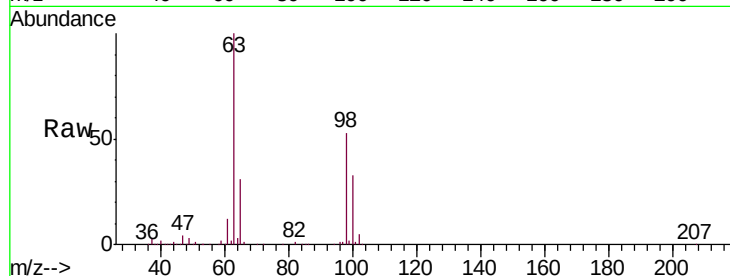
Tgt Ion: 101 Resp: 4260

Ion Ratio Lower Upper

101 100

85 1.2 36.1 54.1#

151 0.0 56.1 84.1#



#12

1,1-Dichloroethene

Concen: 0.619 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031746.D

Acq: 03 May 2019 13:44

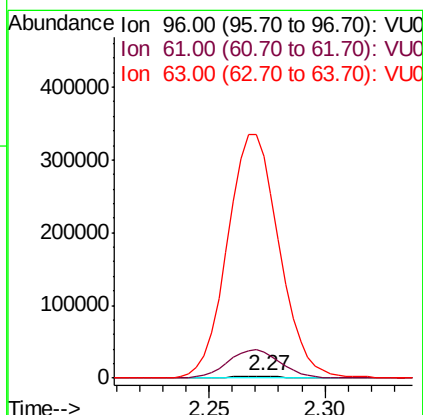
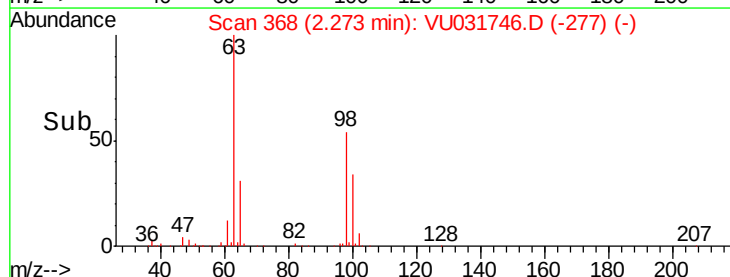
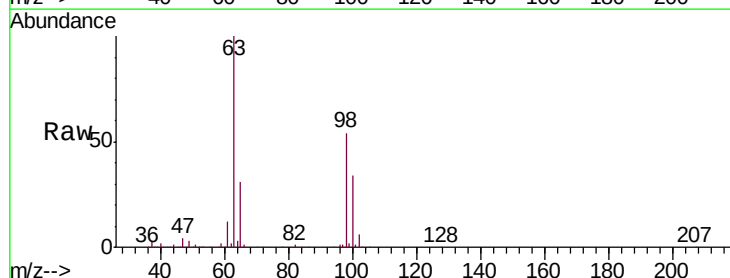
Tgt Ion: 96 Resp: 4132

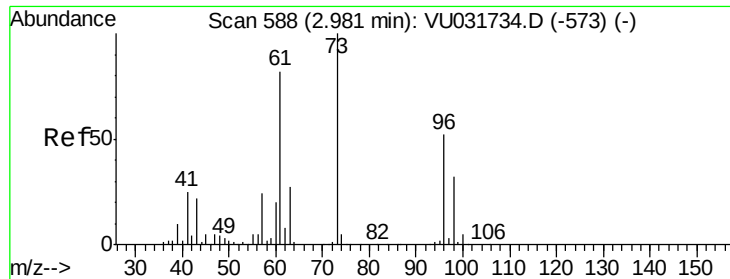
Ion Ratio Lower Upper

96 100

61 1378.2 135.0 250.6#

63 11562.2 103.5 192.3#

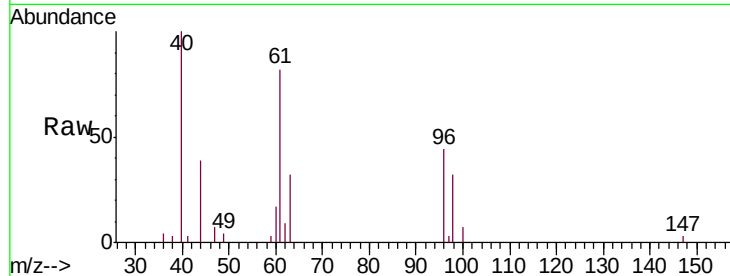




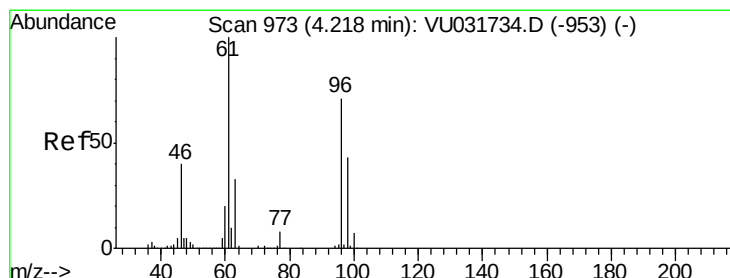
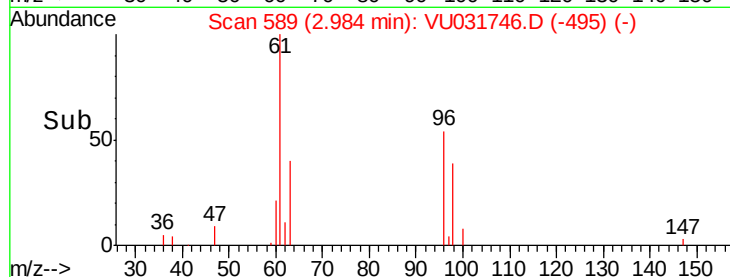
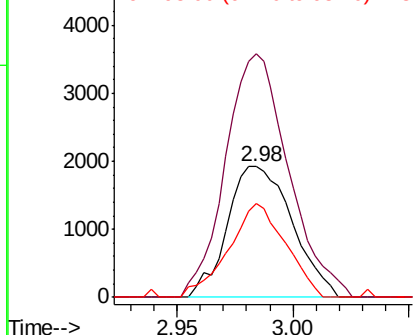
#17
 trans-1,2-Dichloroethene
 Concen: 0.537 ug/L
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU031746.D
 Acq: 03 May 2019 13:44

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B25

Tgt Ion: 96 Resp: 3738
 Ion Ratio Lower Upper
 96 100
 61 186.0 114.5 212.7
 98 72.1 45.4 84.2

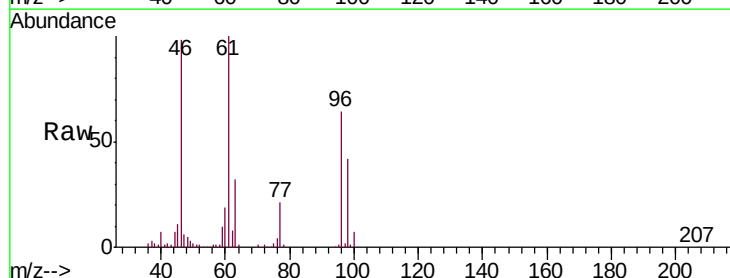


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

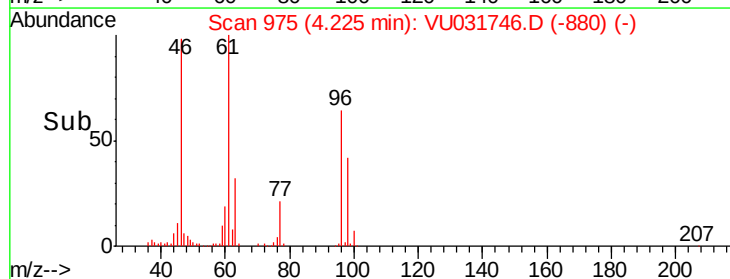
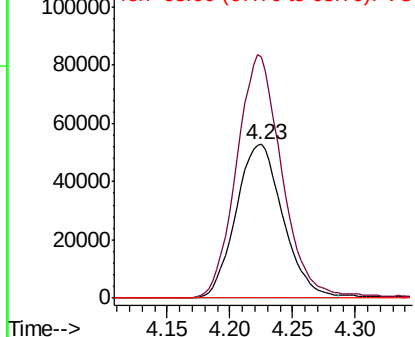


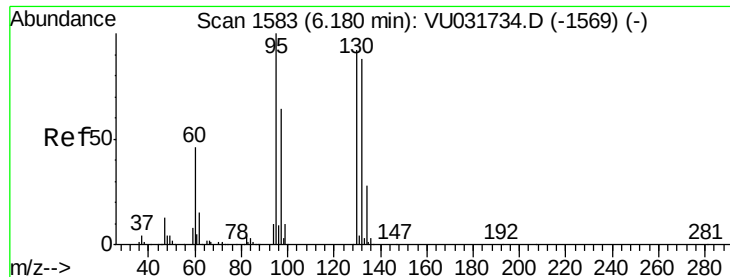
#20
 cis-1,2-Dichloroethene
 Concen: 18.447 ug/L
 RT: 4.23 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU031746.D
 Acq: 03 May 2019 13:44

Tgt Ion: 96 Resp: 137699
 Ion Ratio Lower Upper
 96 100
 61 156.9 99.5 184.7
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 62.774 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031746.D

Acq: 03 May 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

C0B25

Tgt Ion: 95 Resp: 454610

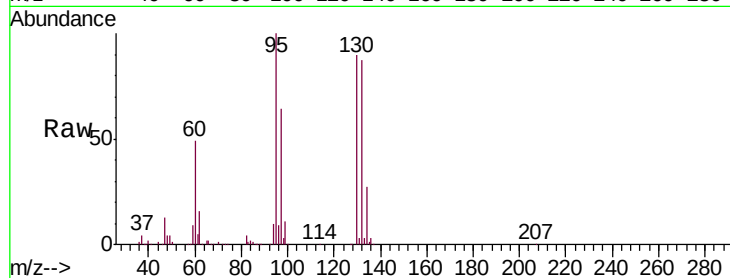
Ion Ratio Lower Upper

95 100

97 64.3 44.8 83.2

132 87.1 63.1 117.1

130 90.3 66.5 123.5

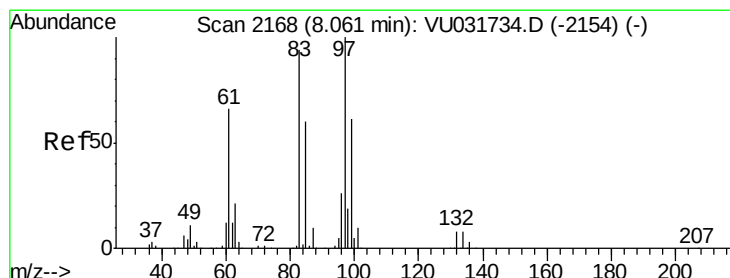
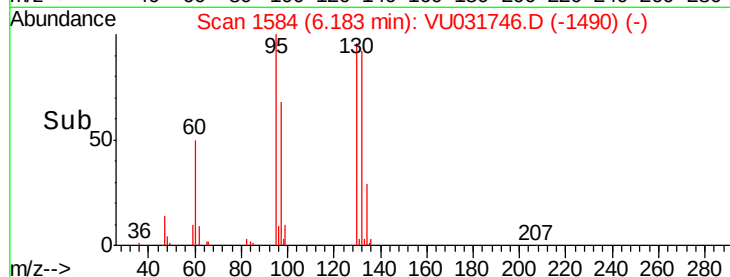
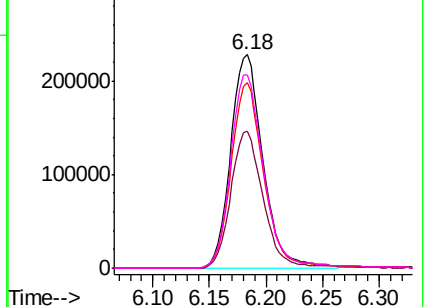


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#45

1,1,2-Trichloroethane

Concen: 0.346 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU031746.D

Acq: 03 May 2019 13:44

Tgt Ion: 97 Resp: 2421

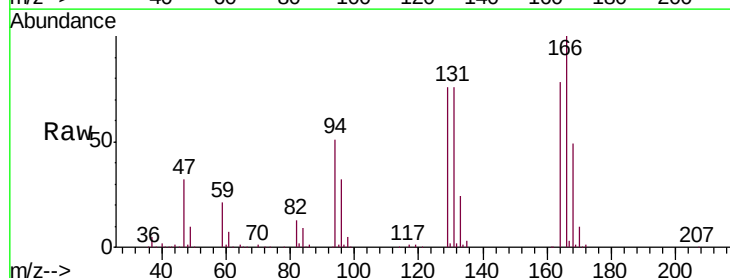
Ion Ratio Lower Upper

97 100

99 8.8 43.0 80.0#

83 348.0 63.6 118.2#

85 47.5 40.5 75.3

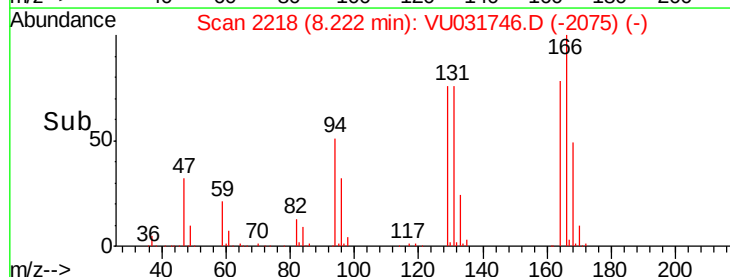
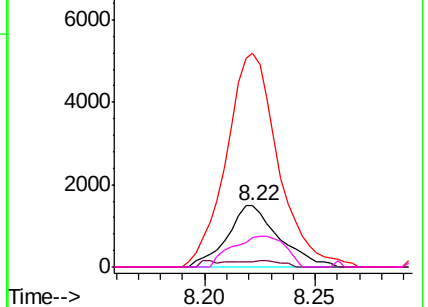


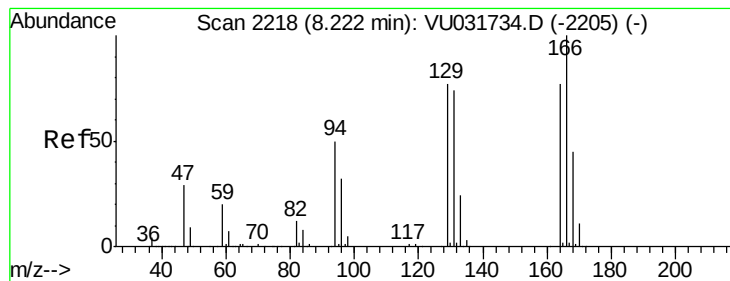
Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#46

Tetrachloroethene

Concen: 61.142 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031746.D

Acq: 03 May 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

C0B25

Tgt Ion:164 Resp: 301866

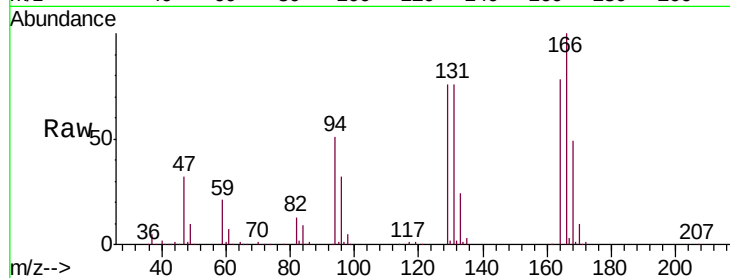
Ion Ratio Lower Upper

164 100

129 97.9 71.5 132.9

131 97.3 69.0 128.2

166 128.7 93.7 173.9

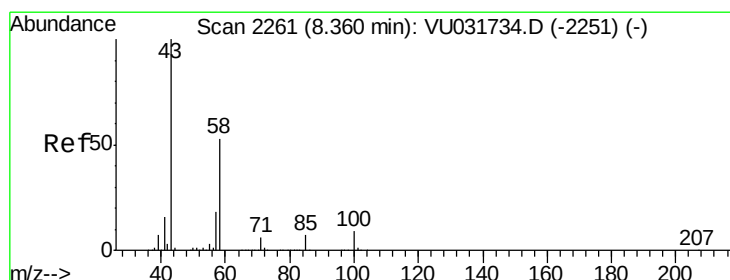
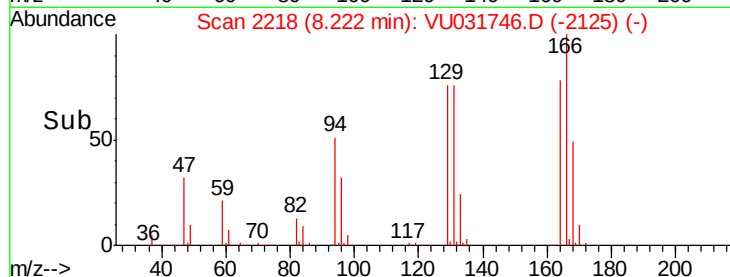
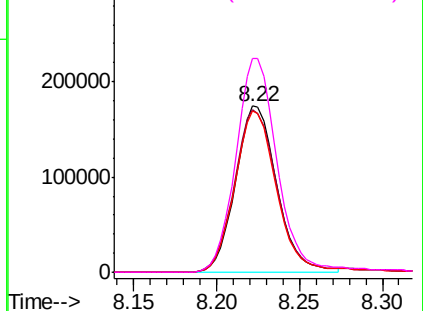


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.938 ug/L

RT: 8.31 min Scan# 2246

Delta R.T. -0.05 min

Lab File: VU031746.D

Acq: 03 May 2019 13:44

Tgt Ion: 43 Resp: 52114

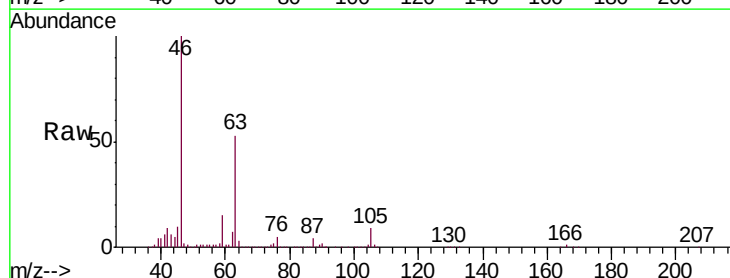
Ion Ratio Lower Upper

43 100

58 35.6 42.1 63.1#

57 24.3 14.6 22.0#

100 0.2 7.2 10.8#

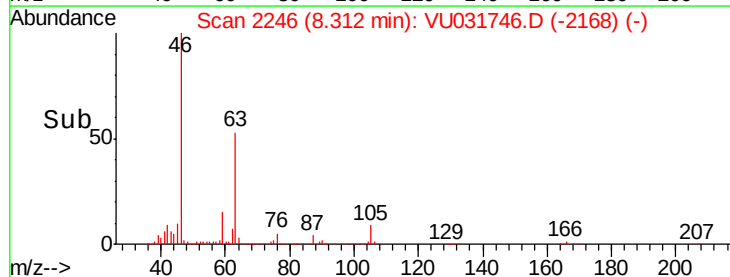
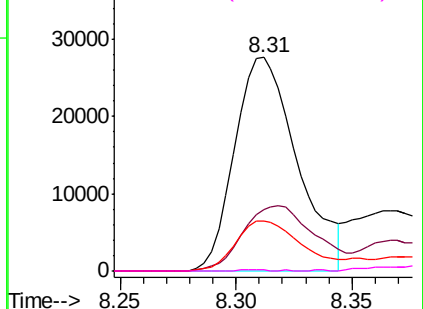


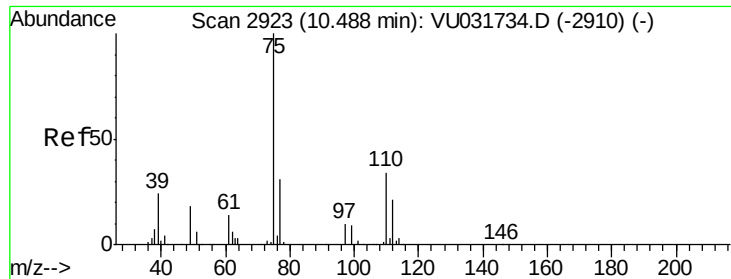
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 4.472 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU031746.D
 Acq: 03 May 2019 13:44

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B25

Tgt Ion: 75 Resp: 44968
 Ion Ratio Lower Upper
 75 100
 77 36.2 25.9 38.9

