

Data File : VU031643.D
Acq On : 30 Apr 2019 18:49
Operator : JC/SP
Sample : K2590-13RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0XB9

Quant Time: May 01 01:44:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 01:38:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	638269	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	607710	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	217952	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	301535	56.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.90%
7) Chloroethane-d5	1.68	69	220771	53.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.96%
11) 1,1-Dichloroethene-d2	2.26	63	453705	42.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.30%
21) 2-Butanone-d5	4.19	46	488461	100.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.92%
24) Chloroform-d	4.64	84	503157	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
26) 1,2-Dichloroethane-d4	5.31	65	358293	56.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.12%
32) Benzene-d6	5.33	84	973300	52.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.32%
36) 1,2-Dichloropropane-d6	6.32	67	350464	53.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.76%
41) Toluene-d8	7.56	98	769884	47.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.74%
43) trans-1,3-Dichloropropene-	7.85	79	132708	47.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.18%
47) 2-Hexanone-d5	8.31	63	281151	98.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	418467	47.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	227212	49.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.14%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	1.87	101	665929	73.579	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3390	0.663	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2966	0.596	ug/L #	1
13) Acetone	2.34	43	41662	7.642	ug/L	91
20) cis-1,2-Dichloroethene	4.23	96	3576	0.642	ug/L	96
25) Chloroform	4.67	83	6402	0.613	ug/L	77
31) Carbon tetrachloride	5.13	117	9941	1.366	ug/L #	3
34) Trichloroethene	6.18	95	732452	135.238	ug/L	94
44) trans-1,3-Dichloropropene	7.85	75	6320	0.831	ug/L	89
46) Tetrachloroethene	8.22	164	1781311	482.440	ug/L	96
48) 2-Hexanone	8.37	43	21574	2.733	ug/L #	42
59) 1,2,3-Trichloropropane	11.48	75	31408	4.176	ug/L	93

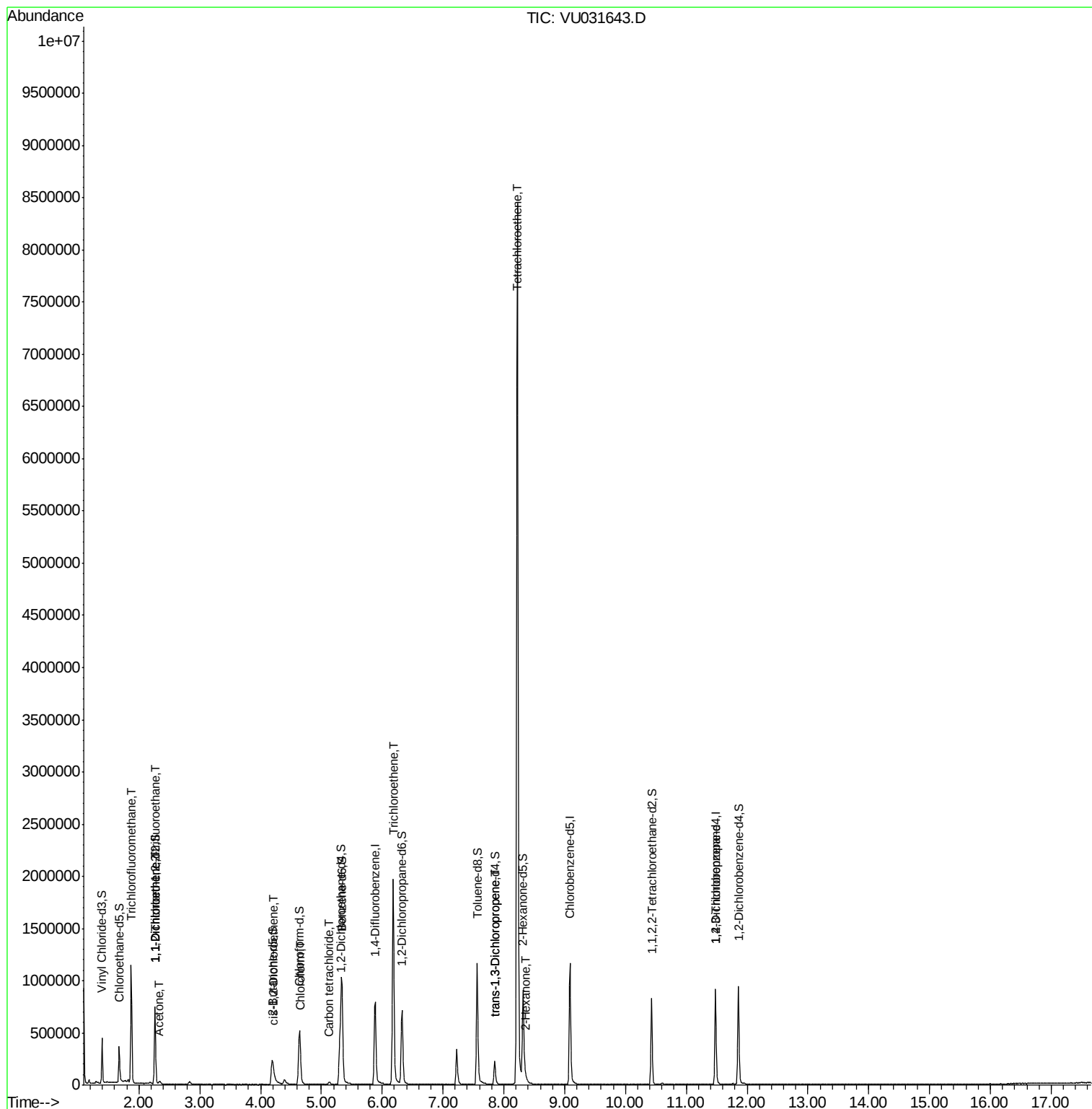
(#) = qualifier out of range (m) = manual integration (+) = signals summed

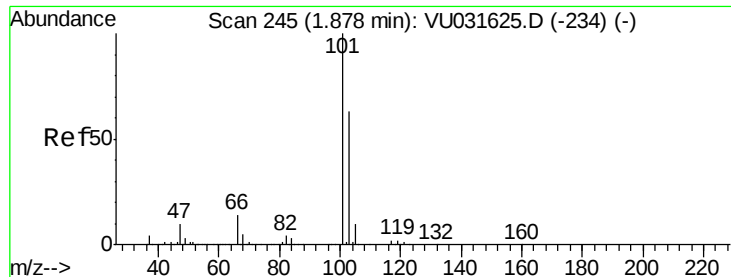
Data File : VU031643.D

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Instrument :
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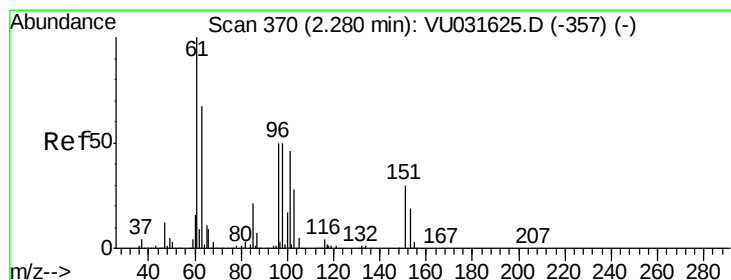
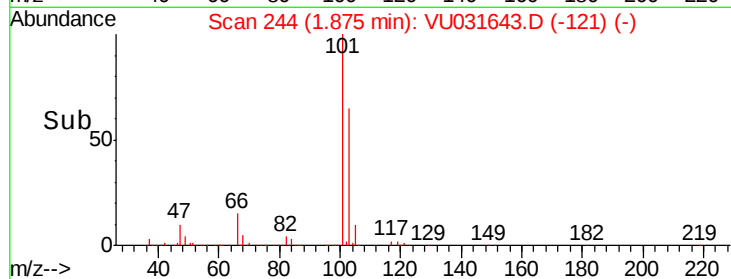
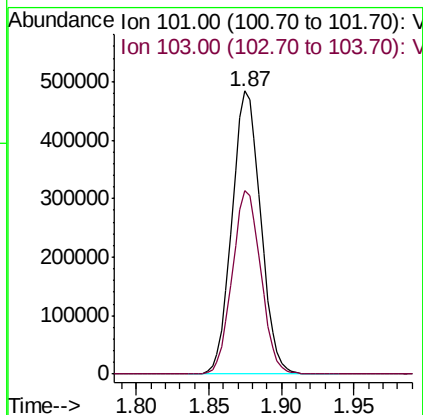
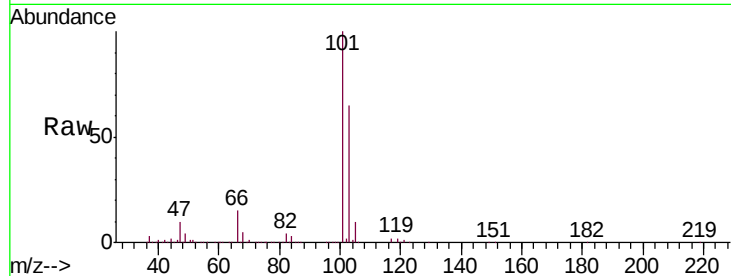


#9

Trichlorofluoromethane
 Concen: 73.579 ug/L
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU031643.D
 Acq: 30 Apr 2019 18:49

Instrument :
 MSVOA_U
 ClientSampled :
 C0XB9

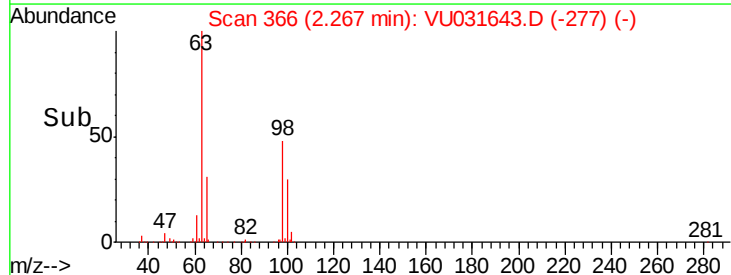
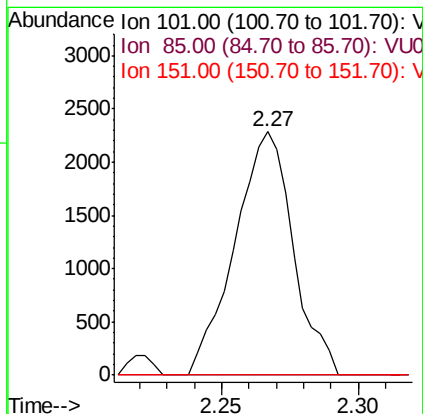
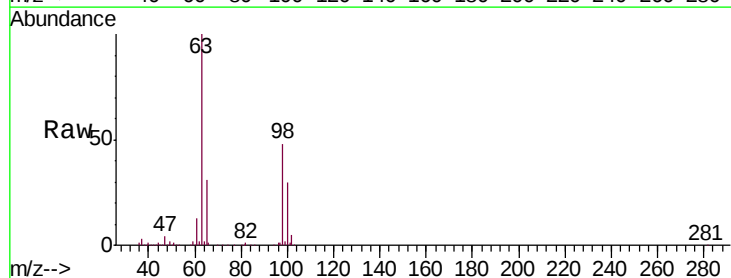
Tgt Ion:101 Resp: 665929
 Ion Ratio Lower Upper
 101 100
 103 64.4 50.8 76.2

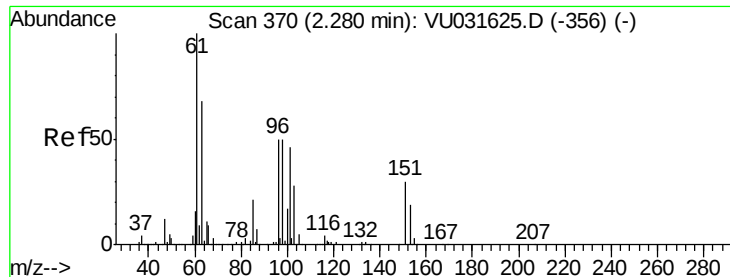


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.663 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VU031643.D
 Acq: 30 Apr 2019 18:49

Tgt Ion:101 Resp: 3390
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.1 54.1#
 151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.596 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031643.D

Acq: 30 Apr 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

C0XB9

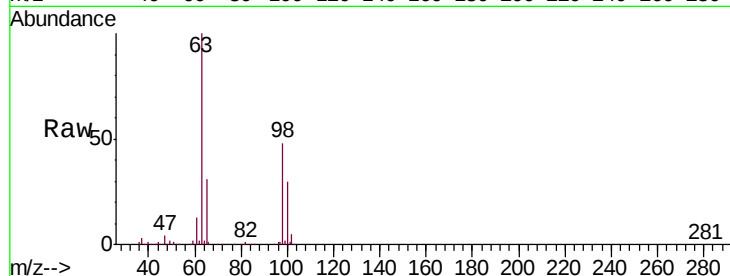
Tgt Ion: 96 Resp: 2966

Ion Ratio Lower Upper

96 100

61 1958.1 135.0 250.6#

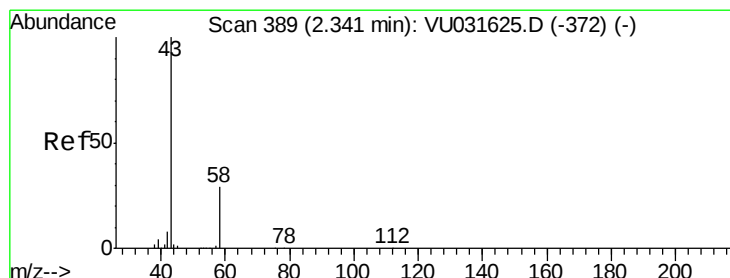
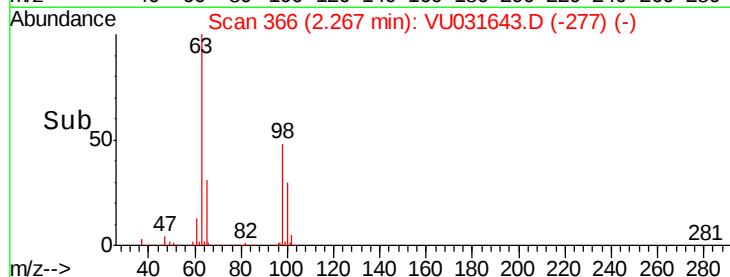
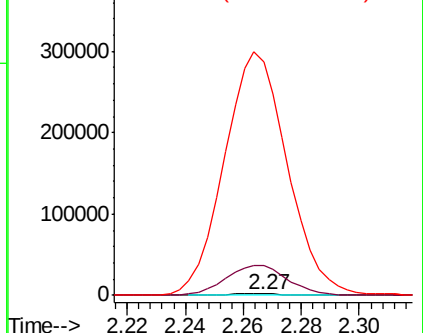
63 15543.4 103.5 192.3#



Abundance Ion 96.00 (95.70 to 96.70): VU031643.D (-366) (-)

Ion 61.00 (60.70 to 61.70): VU031643.D (-366) (-)

Ion 63.00 (62.70 to 63.70): VU031643.D (-366) (-)



#13

Acetone

Concen: 7.642 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU031643.D

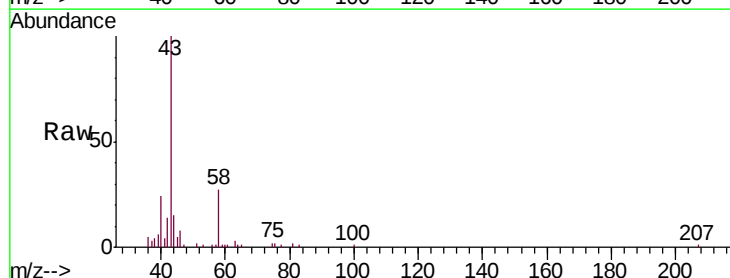
Acq: 30 Apr 2019 18:49

Tgt Ion: 43 Resp: 41662

Ion Ratio Lower Upper

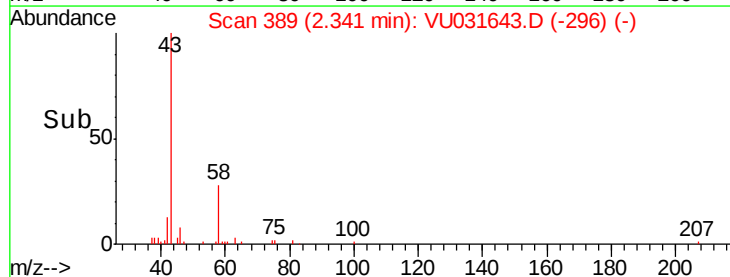
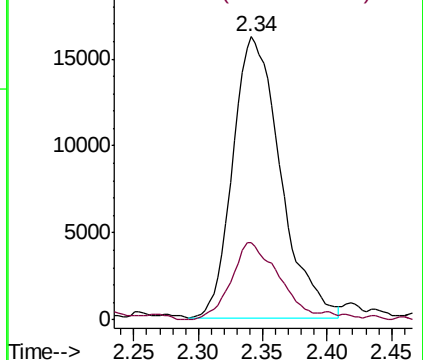
43 100

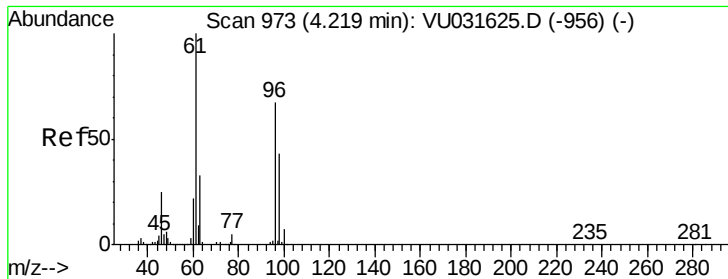
58 27.4 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031643.D (-389) (-)

Ion 58.00 (57.70 to 58.70): VU031643.D (-389) (-)



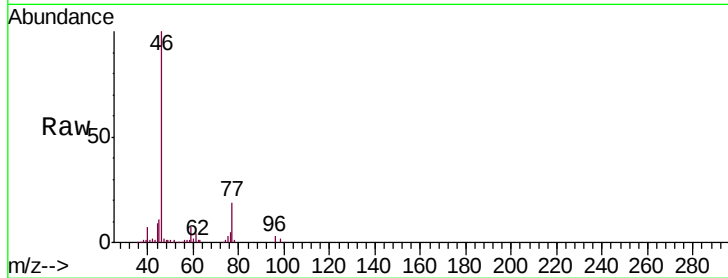


#20

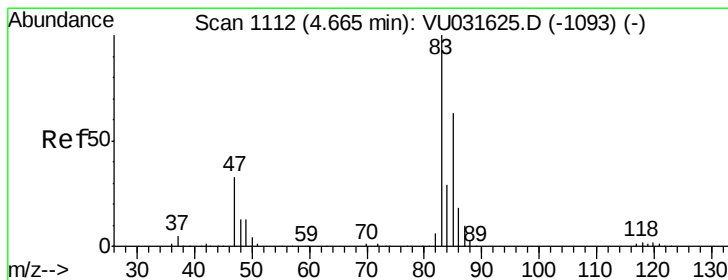
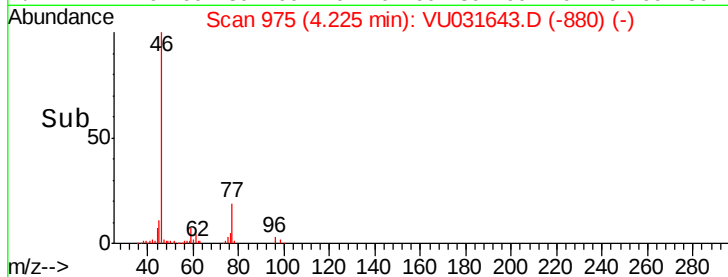
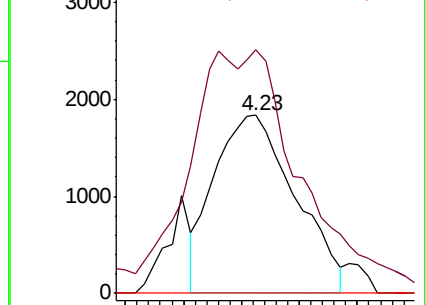
cis-1,2-Dichloroethene
 Concen: 0.642 ug/L
 RT: 4.23 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU031643.D
 Acq: 30 Apr 2019 18:49

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XB9

Tgt Ion: 96 Resp: 3576
 Ion Ratio Lower Upper
 96 100
 61 136.6 99.5 184.7
 68 0.0 0.0 0.0



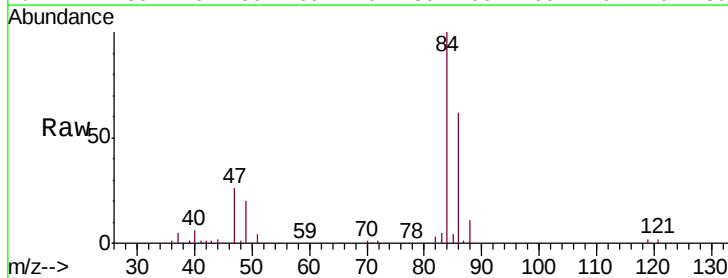
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



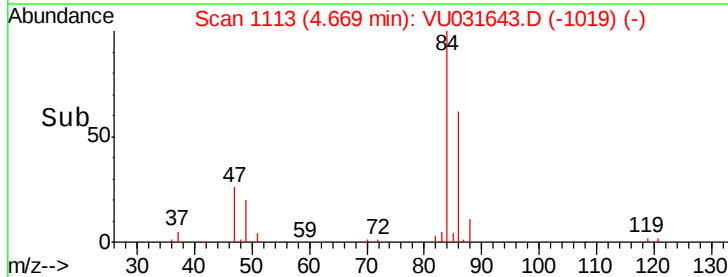
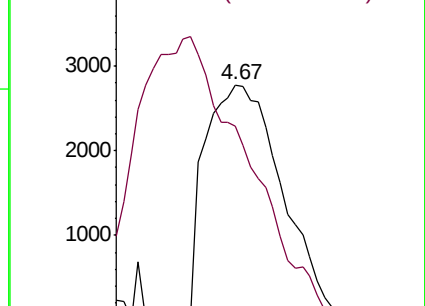
#25

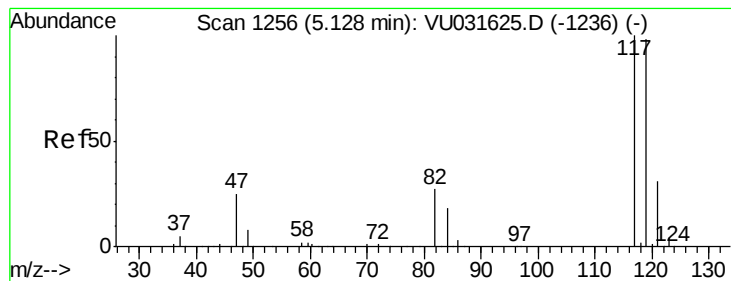
Chloroform
 Concen: 0.613 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VU031643.D
 Acq: 30 Apr 2019 18:49

Tgt Ion: 83 Resp: 6402
 Ion Ratio Lower Upper
 83 100
 85 82.2 44.9 83.3



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#31

Carbon tetrachloride

Concen: 1.366 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU031643.D

Acq: 30 Apr 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

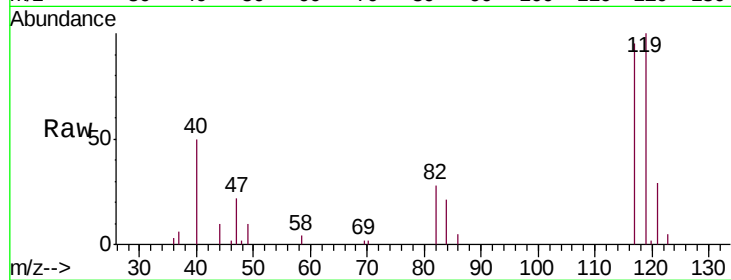
C0XB9

Tgt Ion: 117 Resp: 9941

Ion Ratio Lower Upper

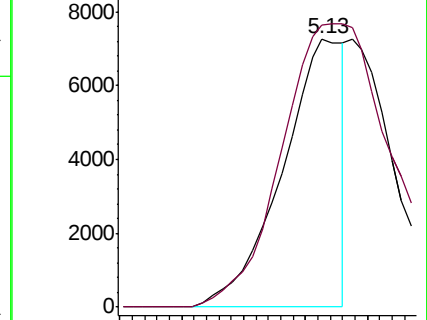
117 100

119 190.7 76.6 114.8#

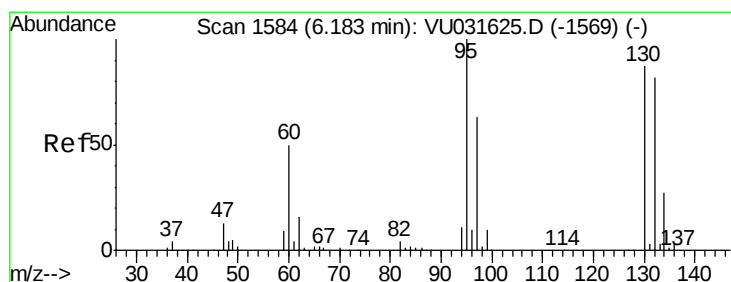
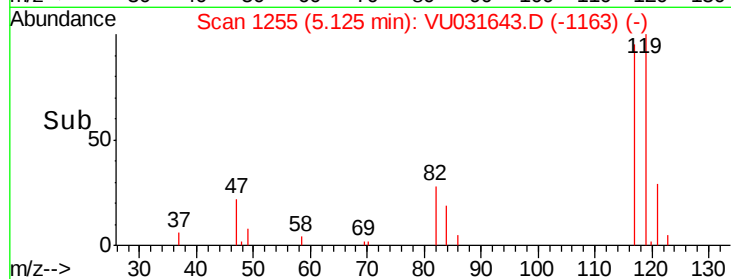


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time--> 5.06 5.08 5.10 5.12 5.14



#34

Trichloroethene

Concen: 135.238 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031643.D

Acq: 30 Apr 2019 18:49

Tgt Ion: 95 Resp: 732452

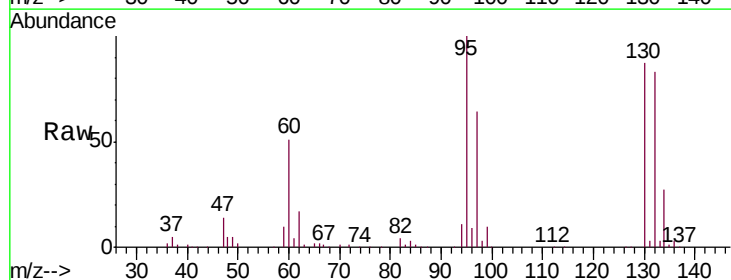
Ion Ratio Lower Upper

95 100

97 64.4 44.8 83.2

132 83.1 63.1 117.1

130 87.1 66.5 123.5

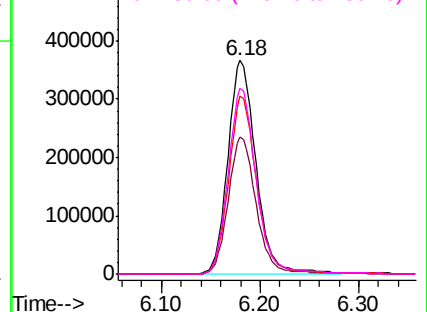


Abundance Ion 95.00 (94.70 to 95.70): VU0

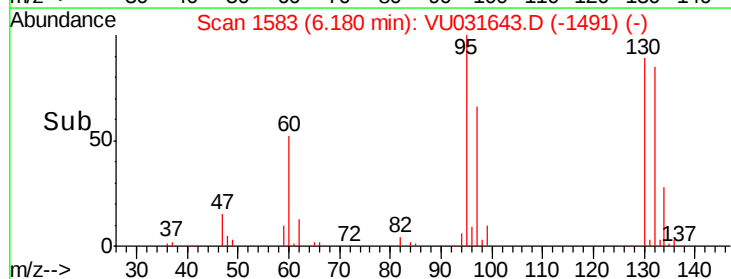
Ion 97.00 (96.70 to 97.70): VU0

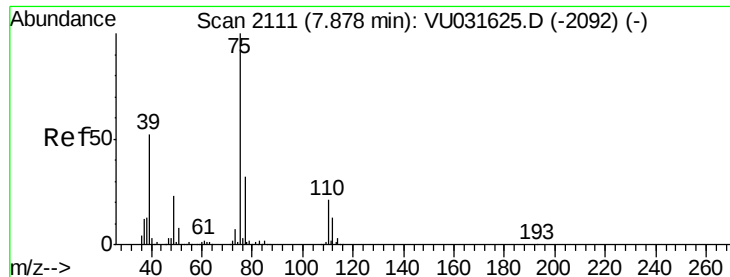
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Time--> 6.10 6.20 6.30





#44

trans-1,3-Dichloropropene

Concen: 0.831 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031643.D

Acq: 30 Apr 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

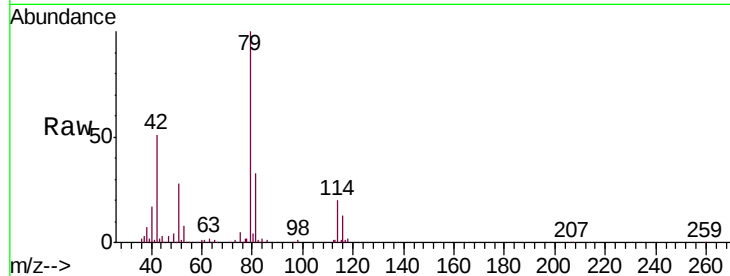
C0XB9

Tgt Ion: 75 Resp: 6320

Ion Ratio Lower Upper

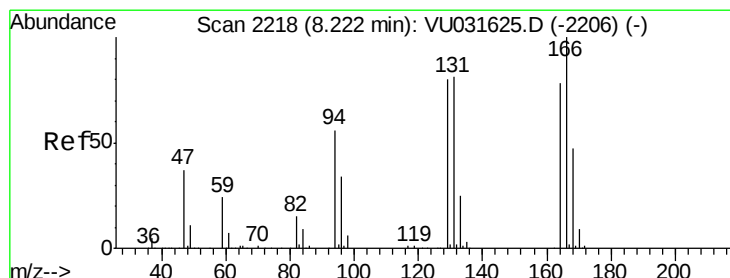
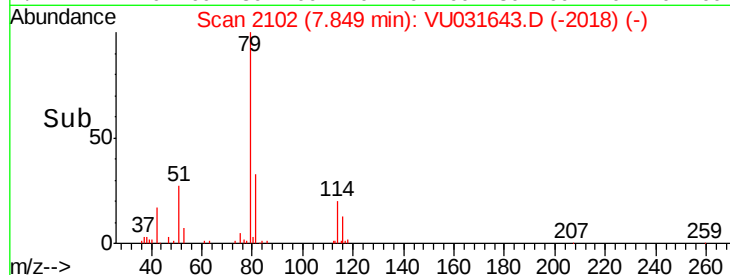
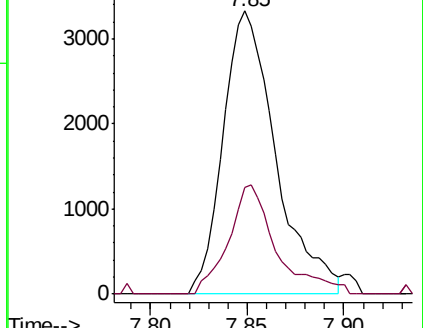
75 100

77 37.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031625.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031625.D (-2092) (-)



#46

Tetrachloroethene

Concen: 482.440 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031643.D

Acq: 30 Apr 2019 18:49

Tgt Ion: 164 Resp: 1781311

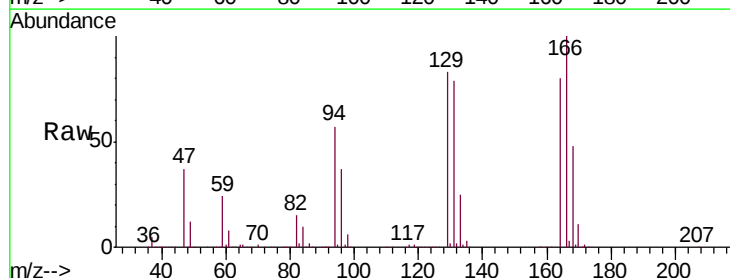
Ion Ratio Lower Upper

164 100

129 103.8 71.5 132.9

131 98.7 69.0 128.2

166 124.9 93.7 173.9

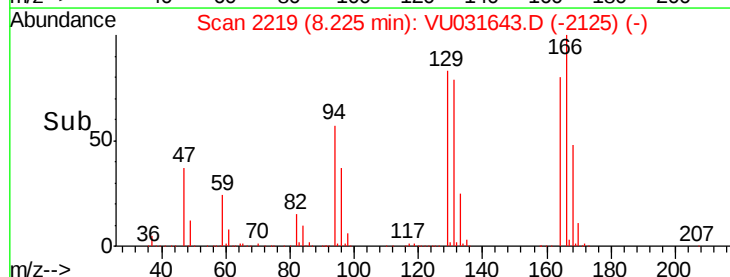
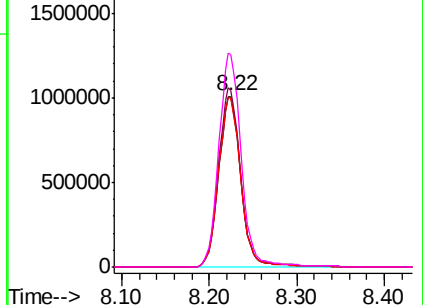


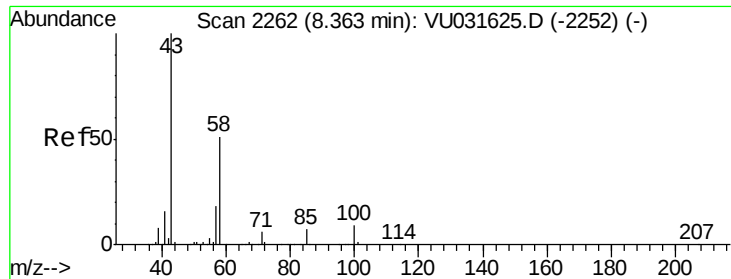
Abundance Ion 164.00 (163.70 to 164.70): VU031625.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU031625.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU031625.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU031625.D (-2206) (-)

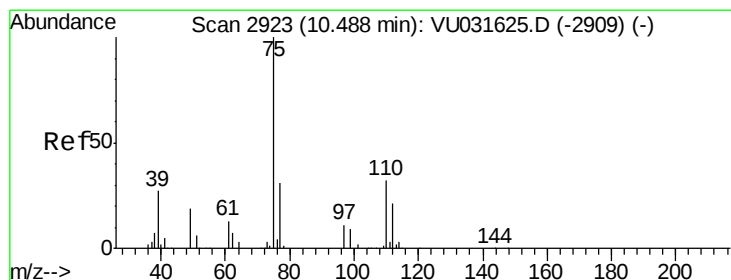
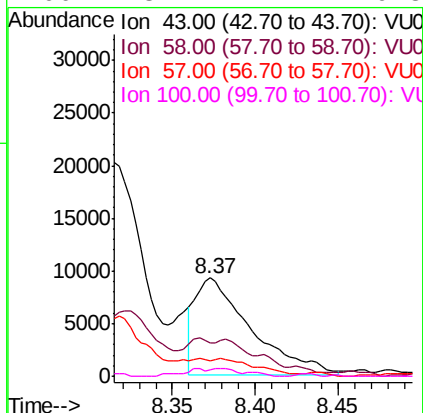
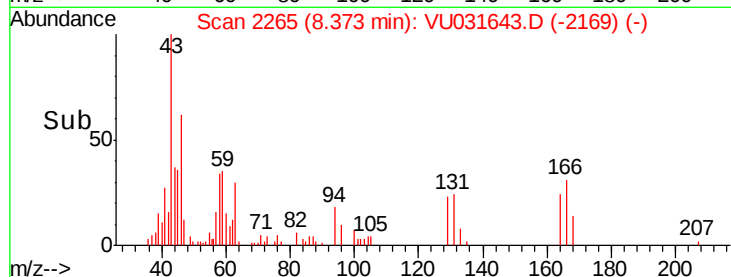
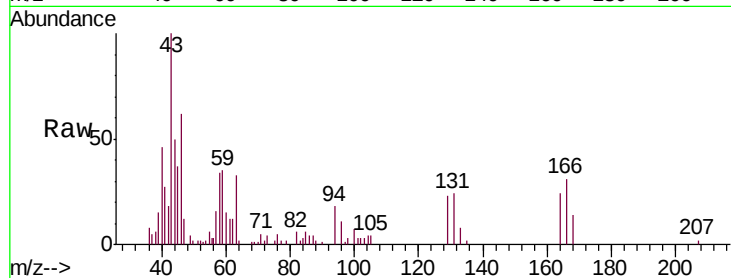




#48
2-Hexanone
Concen: 2.733 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU031643.D
Acq: 30 Apr 2019 18:49

Instrument :
MSVOA_U
ClientSampleId :
C0XB9

Tgt Ion: 43 Resp: 21574
Ion Ratio Lower Upper
43 100
58 0.0 42.1 63.1#
57 3.8 14.6 22.0#
100 3.7 7.2 10.8#



#59
1,2,3-Trichloropropane
Concen: 4.176 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031643.D
Acq: 30 Apr 2019 18:49

Tgt Ion: 75 Resp: 31408
Ion Ratio Lower Upper
75 100
77 36.6 25.9 38.9

