

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031170.D
 Acq On : 13 Apr 2019 20:31
 Operator : JC/SP
 Sample : K2341-15 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB737

Quant Time: Apr 13 22:32:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 13 22:25:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	477065	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	464918	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	184812	50.00	ug/L	0.00

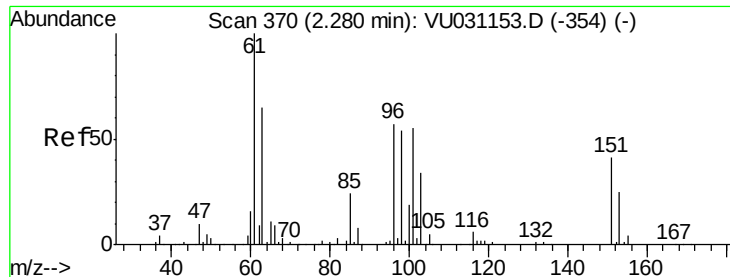
System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	190918	44.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.66%
7) Chloroethane-d5	1.68	69	153200	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.27	63	256102	33.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.50%
21) 2-Butanone-d5	4.17	46	323598	95.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.87%
24) Chloroform-d	4.64	84	316643	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.34%
26) 1,2-Dichloroethane-d4	5.31	65	220703	49.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.44%
32) Benzene-d6	5.34	84	659630	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.32	67	222876	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.84%
41) Toluene-d8	7.56	98	563455	46.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.68%
43) trans-1,3-Dichloropropene-	7.85	79	88932	41.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.86%
47) 2-Hexanone-d5	8.31	63	194845	91.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.65%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	309901	49.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	197953	54.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2272	0.665	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	2193	0.665	ug/L #	1
13) Acetone	2.32	43	3932	1.138	ug/L	72
17) trans-1,2-Dichloroethene	2.98	96	2472	0.706	ug/L #	66
20) cis-1,2-Dichloroethene	4.22	96	152172	39.360	ug/L	88
25) Chloroform	4.67	83	20157	2.775	ug/L	83
34) Trichloroethene	6.18	95	160573	43.031	ug/L	97
39) cis-1,3-Dichloropropene	7.23	75	5518	0.900	ug/L	97
42) Toluene	7.64	91	12806	0.825	ug/L	93
44) trans-1,3-Dichloropropene	7.85	75	3486	0.645	ug/L #	74
45) 1,1,2-Trichloroethane	8.22	97	2720	0.744	ug/L #	1
46) Tetrachloroethene	8.22	164	366890	135.237	ug/L	98
48) 2-Hexanone	8.36	43	14806	2.739	ug/L #	77
59) 1,2,3-Trichloropropane	11.48	75	22224	4.307	ug/L	95

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



#10

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

Concen: 0.665 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031170.D

Acq: 13 Apr 2019 20:31

Instrument :

MSVOA_U

ClientSampleId :

DB737

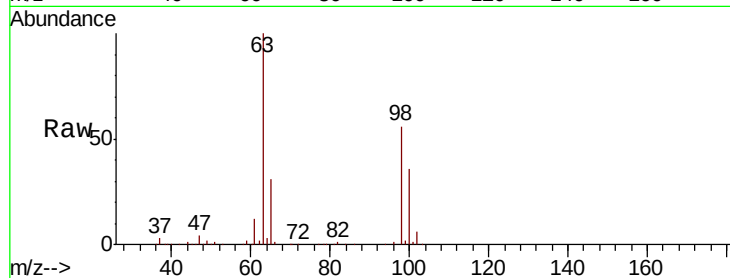
Tot Ion:101 Resp: 2272

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

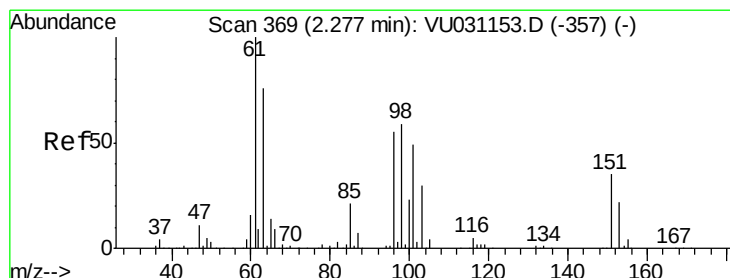
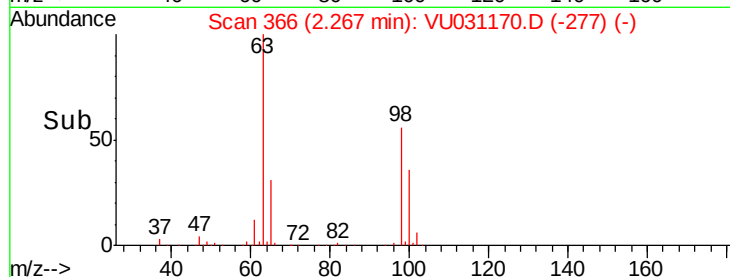
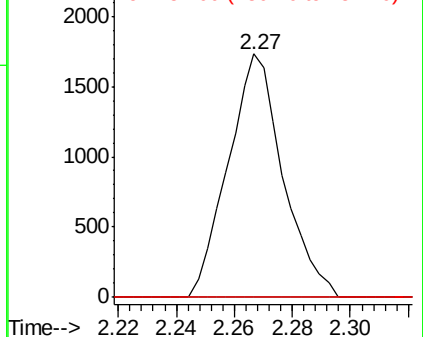
151 0.0 57.4 86.0#



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: 0.665 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031170.D

Acq: 13 Apr 2019 20:31

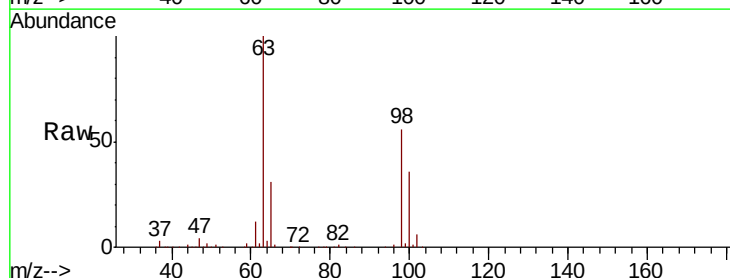
Tgt Ion: 96 Resp: 2193

Ion Ratio Lower Upper

96 100

61 1255.9 132.0 245.2#

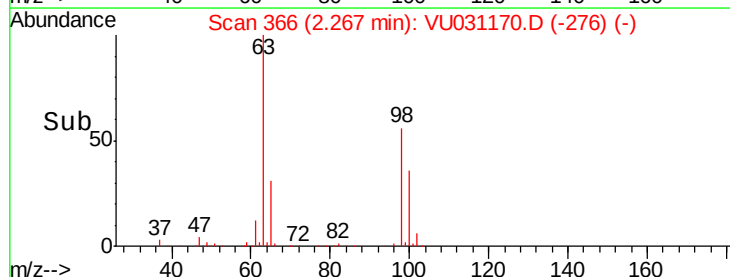
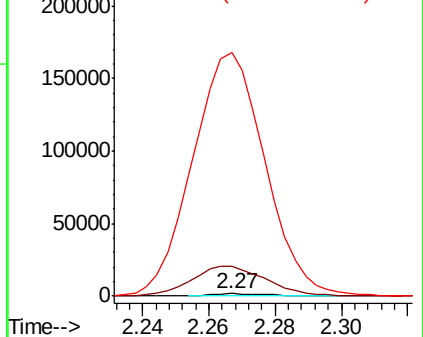
63 10371.3 90.9 168.9#

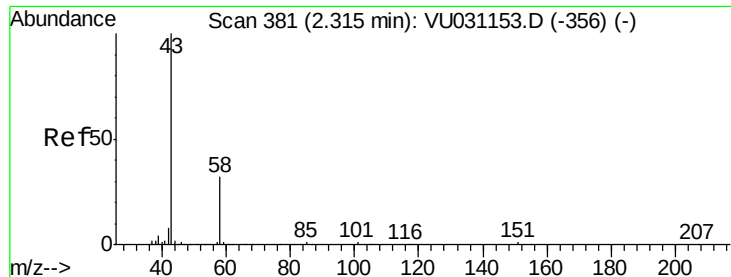


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.138 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031170.D

Acq: 13 Apr 2019 20:31

Instrument :

MSVOA_U

ClientSampleId :

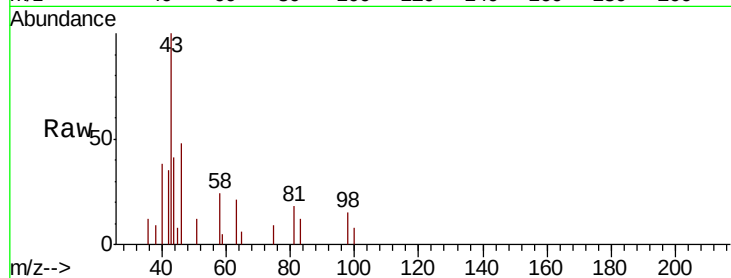
DB737

Tot Ion: 43 Resp: 3932

Ion Ratio Lower Upper

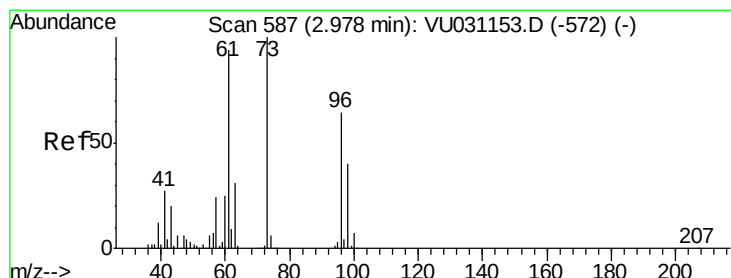
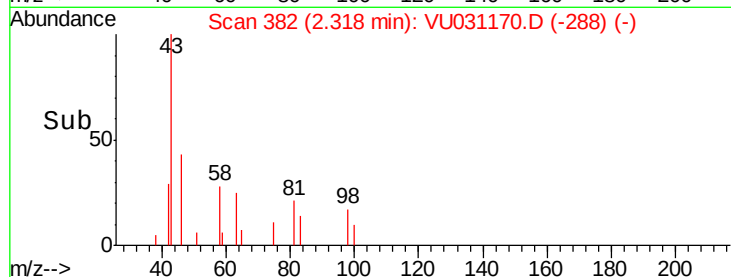
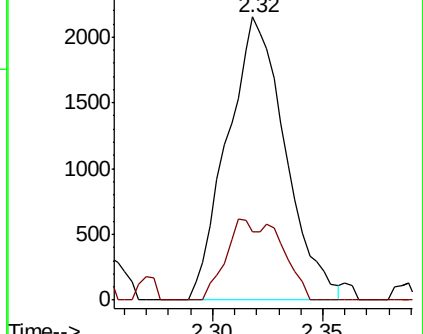
43 100

58 16.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031170.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU031170.D (-356) (-)



#17

trans-1,2-Dichloroethene

Concen: 0.706 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031170.D

Acq: 13 Apr 2019 20:31

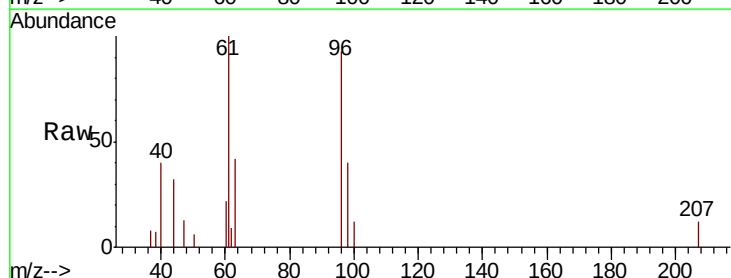
Tgt Ion: 96 Resp: 2472

Ion Ratio Lower Upper

96 100

61 107.3 109.5 203.3#

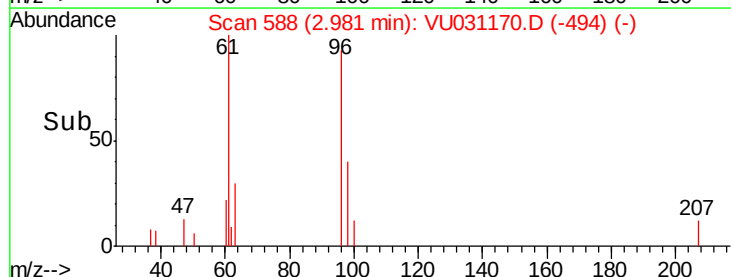
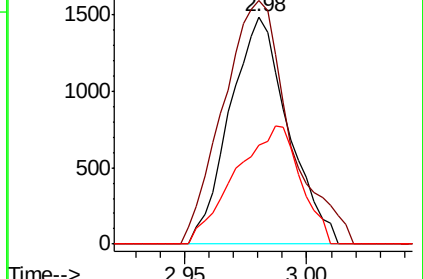
98 43.3 44.0 81.6#

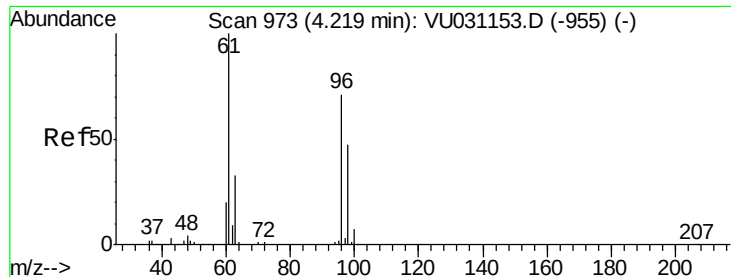


Abundance Ion 96.00 (95.70 to 96.70): VU031170.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU031170.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU031170.D (-494) (-)



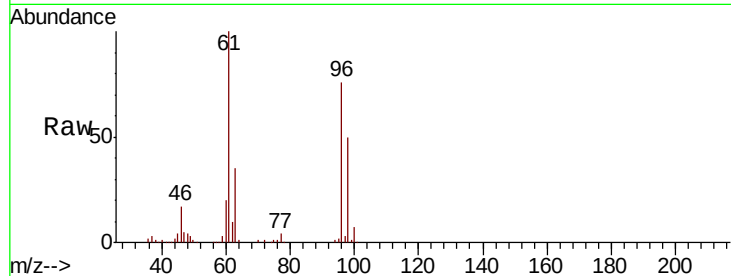


#20

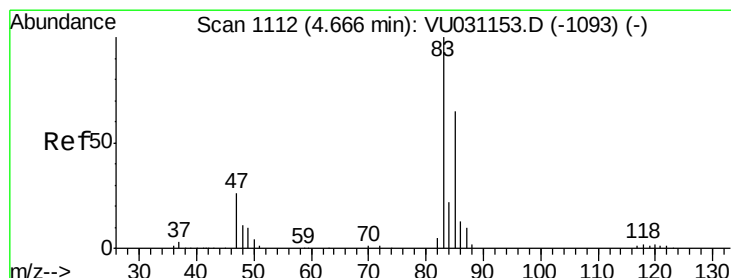
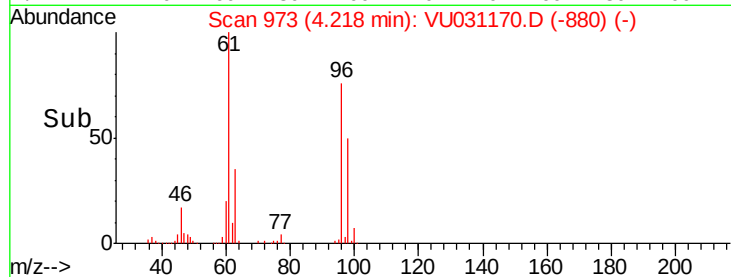
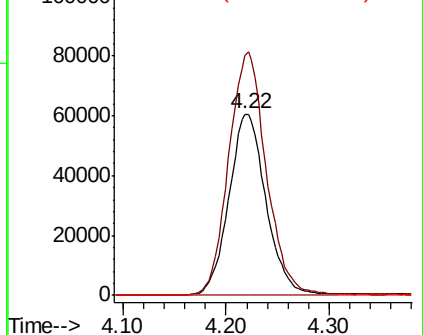
cis-1,2-Dichloroethene
 Concen: 39.360 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031170.D
 Acq: 13 Apr 2019 20:31

Instrument :
 MSVOA_U
 ClientSampled :
 DB737

Tot Ion: 96 Resp: 152172
 Ion Ratio Lower Upper
 96 100
 61 132.0 102.9 191.1
 68 0.0 0.0 0.0



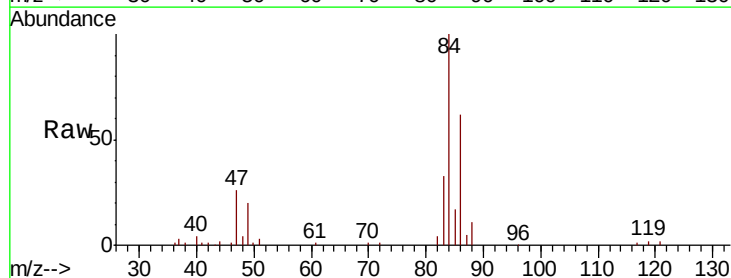
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



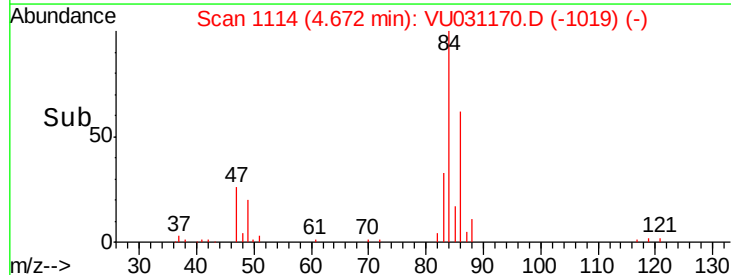
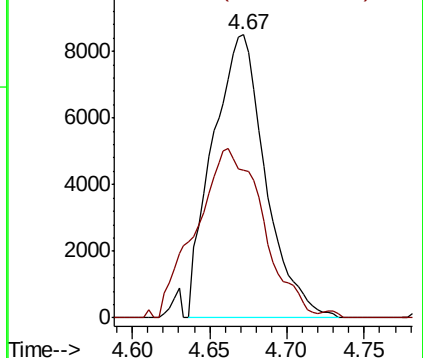
#25

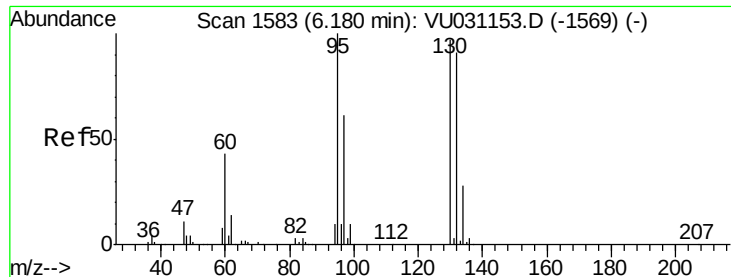
Chloroform
 Concen: 2.775 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VU031170.D
 Acq: 13 Apr 2019 20:31

Tgt Ion: 83 Resp: 20157
 Ion Ratio Lower Upper
 83 100
 85 52.1 45.8 85.0



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

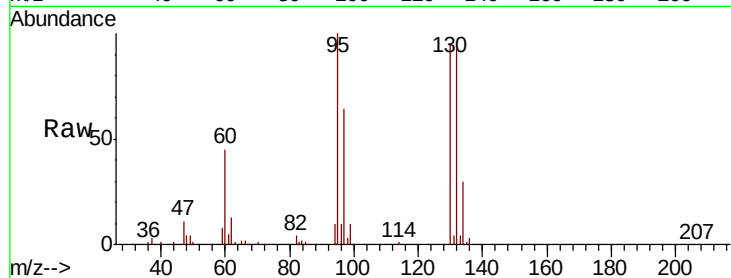




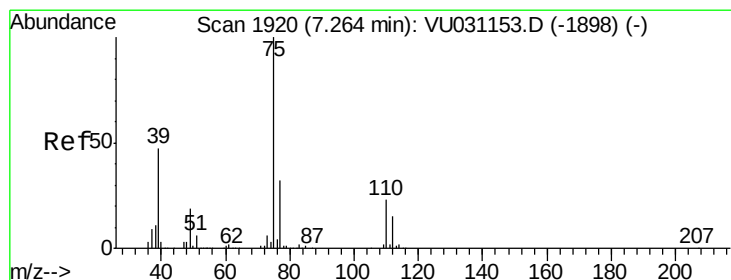
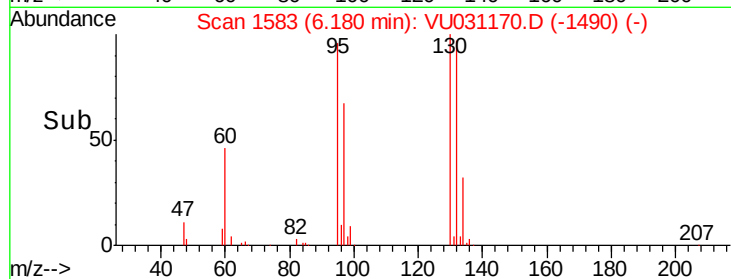
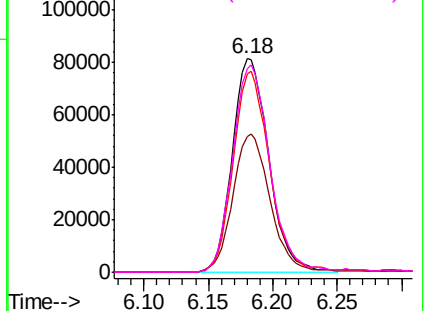
#34
 Trichloroethene
 Concen: 43.031 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU031170.D
 Acq: 13 Apr 2019 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 DB737

Tot Ion: 95 Resp: 160573
 Ion Ratio Lower Upper
 95 100
 97 63.8 44.5 82.7
 132 92.7 61.5 114.1
 130 95.2 64.9 120.5

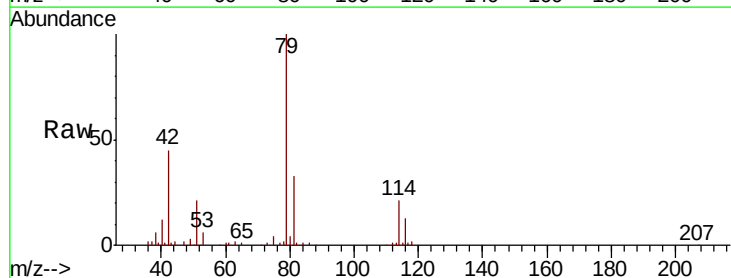


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

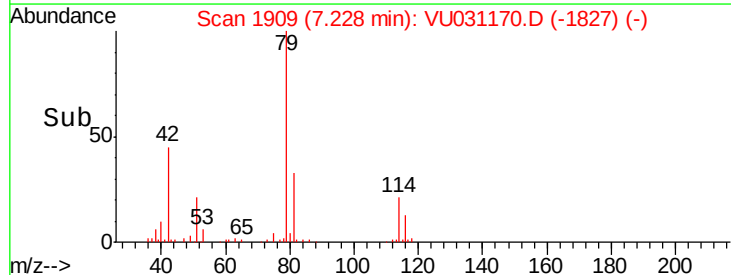
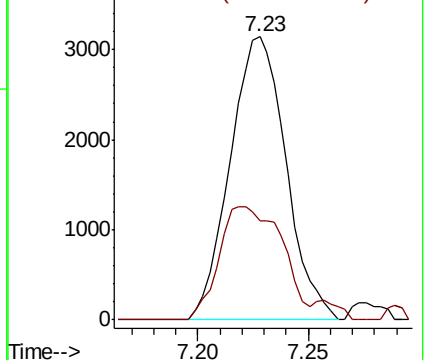


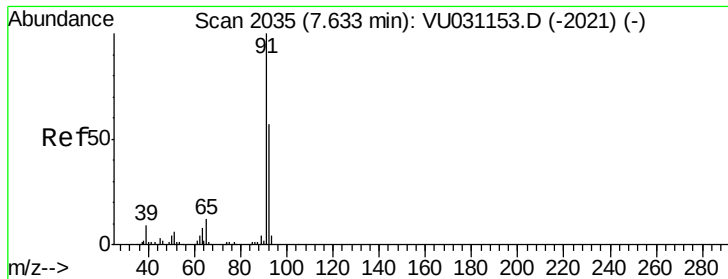
#39
 cis-1,3-Dichloropropene
 Concen: 0.900 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU031170.D
 Acq: 13 Apr 2019 20:31

Tgt Ion: 75 Resp: 5518
 Ion Ratio Lower Upper
 75 100
 77 35.0 23.1 42.9



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





#42

Toluene

Concen: 0.825 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU031170.D

Acq: 13 Apr 2019 20:31

Instrument :

MSVOA_U

ClientSampleId :

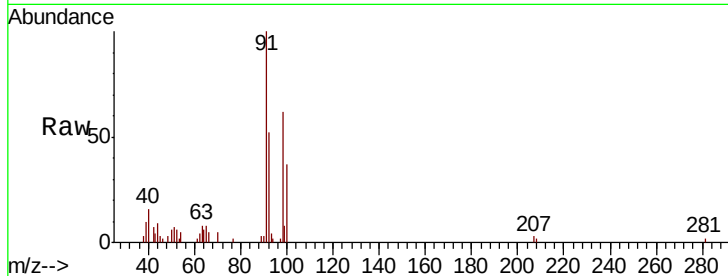
DB737

Tot Ion: 91 Resp: 12806

Ion Ratio Lower Upper

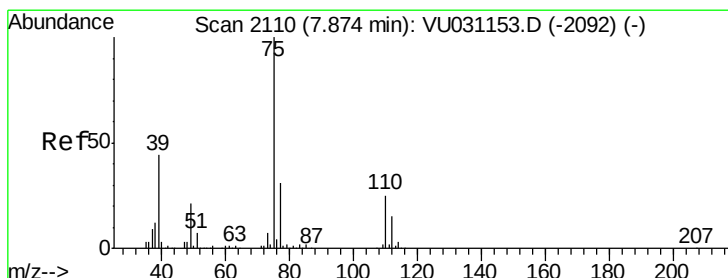
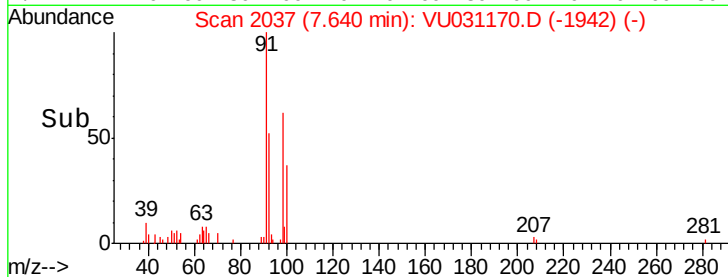
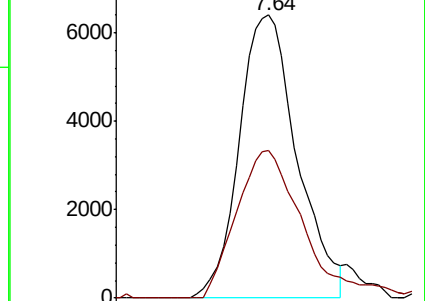
91 100

92 52.3 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031170.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU031170.D (-2021) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.645 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031170.D

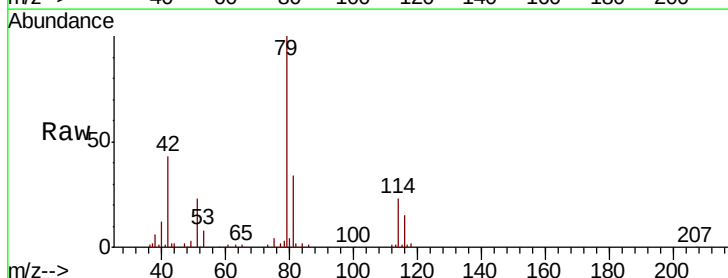
Acq: 13 Apr 2019 20:31

Tgt Ion: 75 Resp: 3486

Ion Ratio Lower Upper

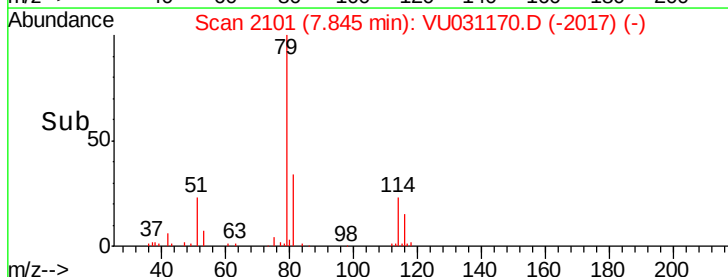
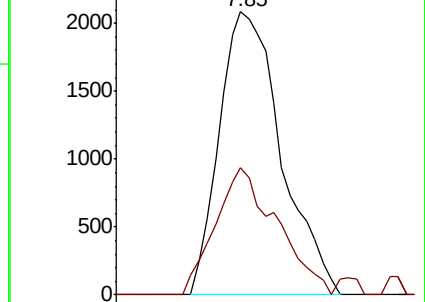
75 100

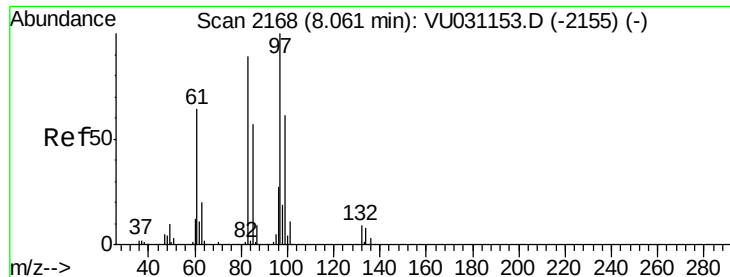
77 44.8 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU031170.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU031170.D (-2017) (-)





#45

1,1,2-Trichloroethane

Concen: 0.744 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.16 min

Lab File: VU031170.D

Acq: 13 Apr 2019 20:31

Instrument :

MSVOA_U

ClientSampleId :

DB737

Tot Ion: 97 Resp: 2720

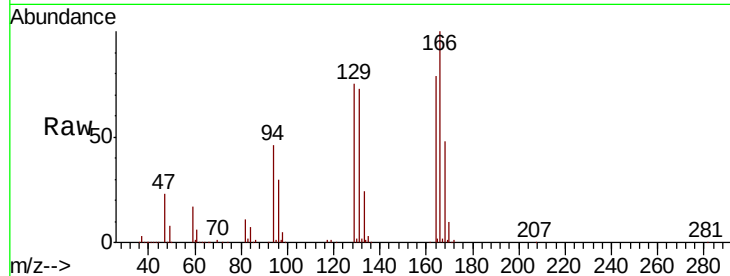
Ion Ratio Lower Upper

97 100

99 20.2 44.0 81.8#

83 297.7 65.3 121.3#

85 32.9 42.5 78.9#



Abundance

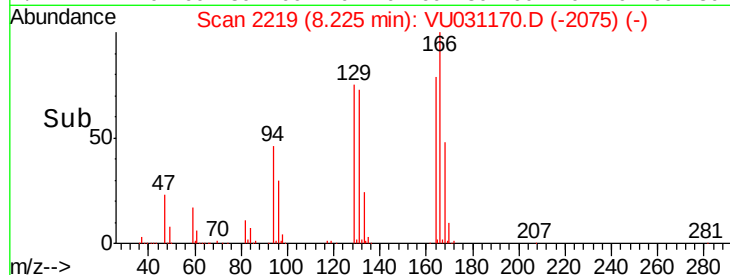
Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

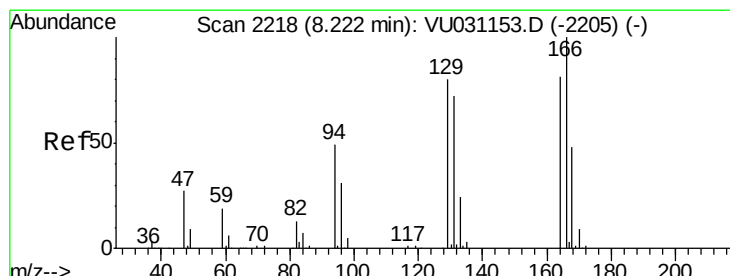
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Time-->



Time-->



#46

Tetrachloroethene

Concen: 135.237 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031170.D

Acq: 13 Apr 2019 20:31

Tgt Ion:164 Resp: 366890

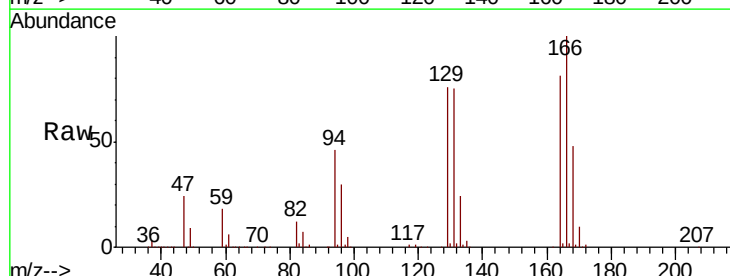
Ion Ratio Lower Upper

164 100

129 93.8 67.4 125.2

131 92.8 65.9 122.5

166 124.0 88.6 164.6



Abundance

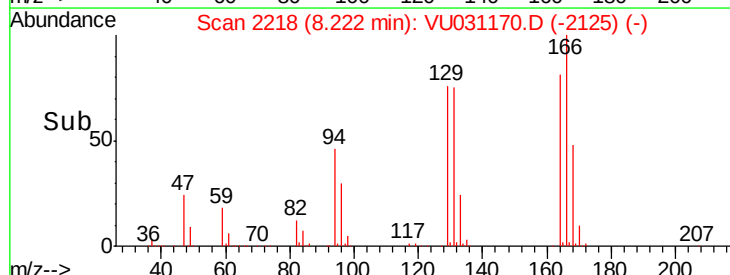
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

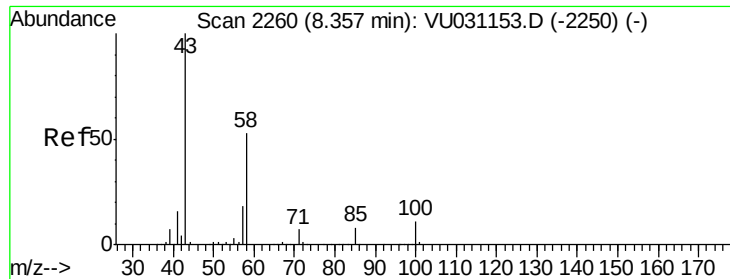
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->



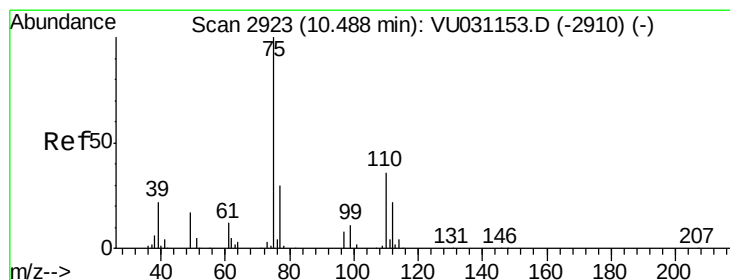
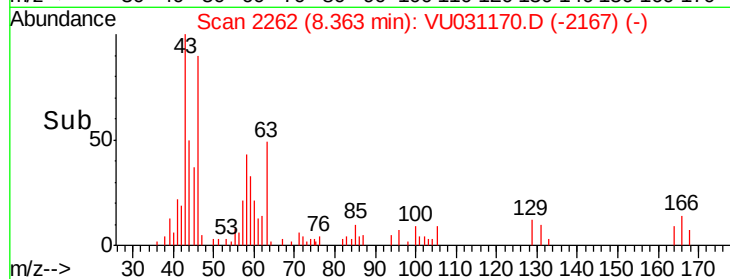
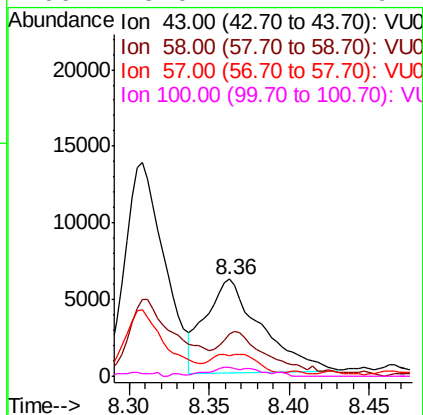
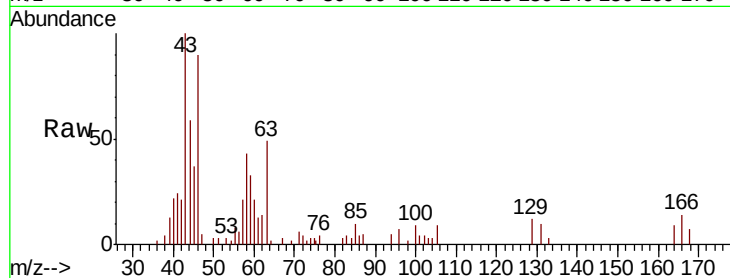
Time-->



#48
 2-Hexanone
 Concen: 2.739 ug/L
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: VU031170.D
 Acq: 13 Apr 2019 20:31

Instrument :
 MSVOA_U
 ClientSampleID :
 DB737

Tot Ion: 43 Resp: 14806
 Ion Ratio Lower Upper
 43 100
 58 37.7 41.9 62.9#
 57 3.2 14.3 21.5#
 100 5.0 7.1 10.7#



#59
 1,2,3-Trichloropropane
 Concen: 4.307 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU031170.D
 Acq: 13 Apr 2019 20:31

Tgt Ion: 75 Resp: 22224
 Ion Ratio Lower Upper
 75 100
 77 35.5 26.1 39.1

