

Data File : VU030586.D
Acq On : 31 Mar 2019 13:44
Operator : JC/SP
Sample : K2167-16 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1D0

Quant Time: Apr 01 02:09:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 02:05:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	438511	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	412526	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	166714	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	149817	42.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.90%
7) Chloroethane-d5	1.68	69	128786	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.08%
11) 1,1-Dichloroethene-d2	2.27	63	224132	33.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.96%
21) 2-Butanone-d5	4.18	46	299044	90.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.14%
24) Chloroform-d	4.65	84	277158	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.16%
26) 1,2-Dichloroethane-d4	5.31	65	188528	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
32) Benzene-d6	5.34	84	556504	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.08%
36) 1,2-Dichloropropane-d6	6.33	67	199471	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.56%
41) Toluene-d8	7.56	98	483641	45.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.04%
43) trans-1,3-Dichloropropene-	7.85	79	85047	44.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.38%
47) 2-Hexanone-d5	8.31	63	189770	86.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	271207	46.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.64%
64) 1,2-Dichlorobenzene-d4	11.86	152	167400	50.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.22%

Target Compounds

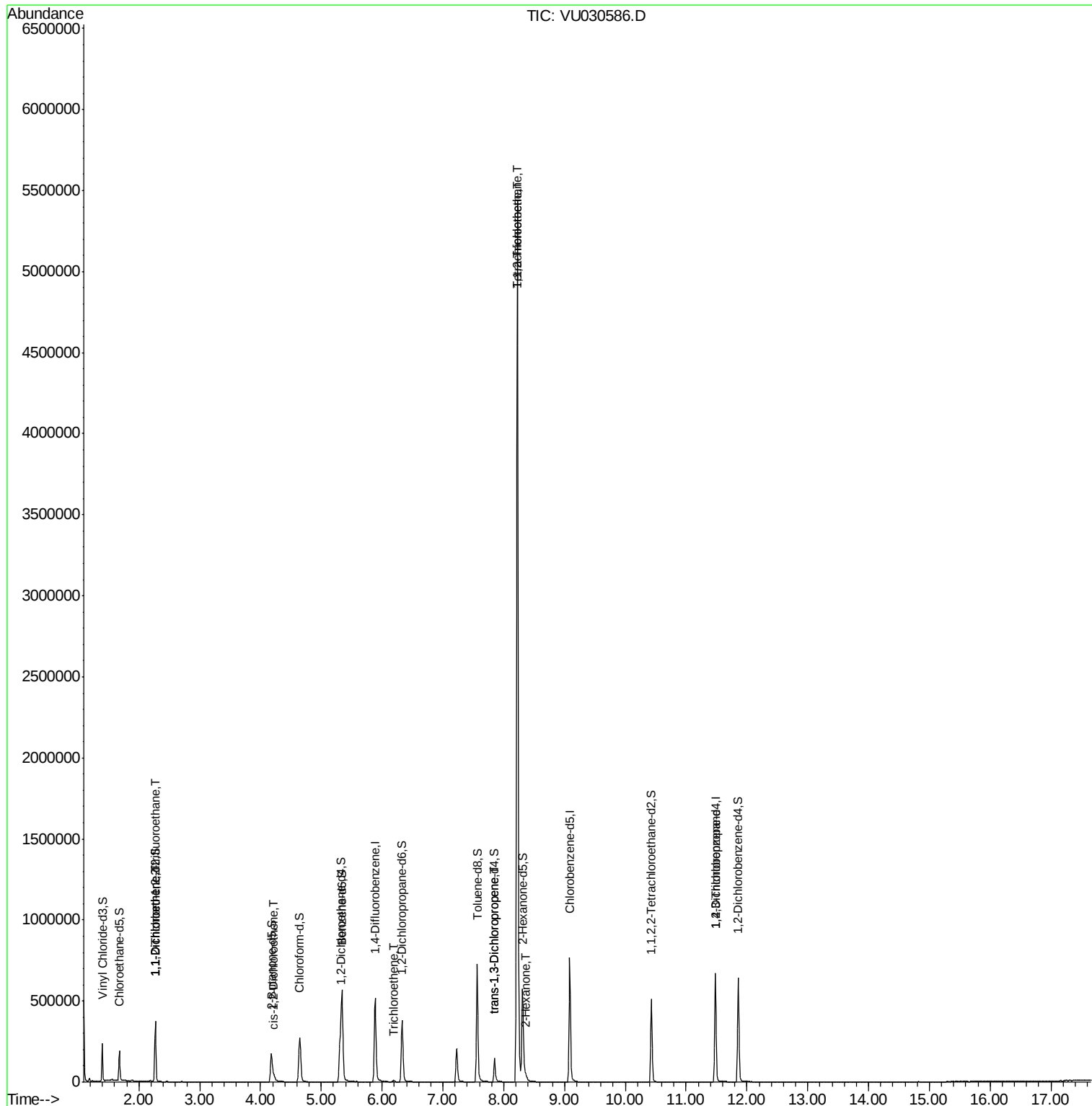
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2220	0.694 ug/L #	36
12) 1,1-Dichloroethene	2.27	96	2349	0.749 ug/L #	1
20) cis-1,2-Dichloroethene	4.23	96	7989	2.164 ug/L	100
34) Trichloroethene	6.19	95	2918	0.845 ug/L	91
44) trans-1,3-Dichloropropene	7.85	75	3515	0.697 ug/L	93
45) 1,1,2-Trichloroethane	8.22	97	11427	3.394 ug/L #	1
46) Tetrachloroethene	8.22	164	1222756	507.115 ug/L	98
48) 2-Hexanone	8.37	43	15064	2.746 ug/L #	83
59) 1,2,3-Trichloropropane	11.48	75	22484	4.635 ug/L	97

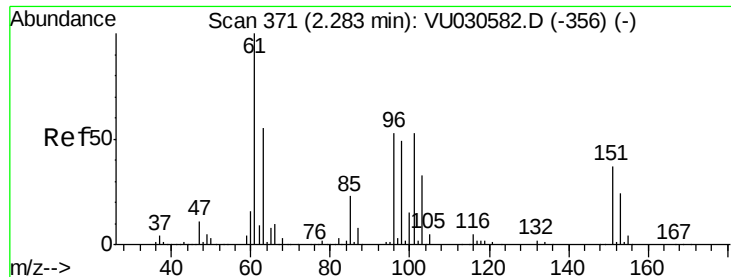
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.694 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030586.D

Acq: 31 Mar 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

BF1D0

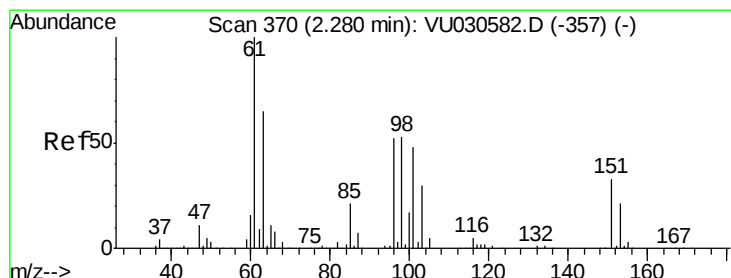
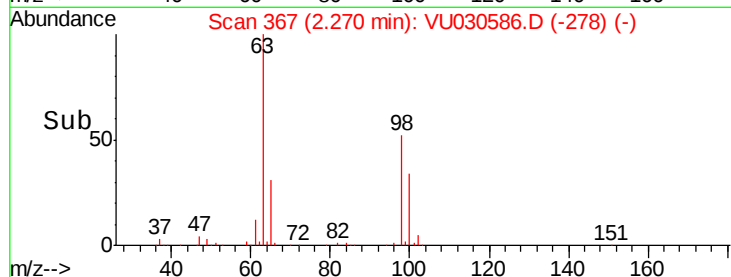
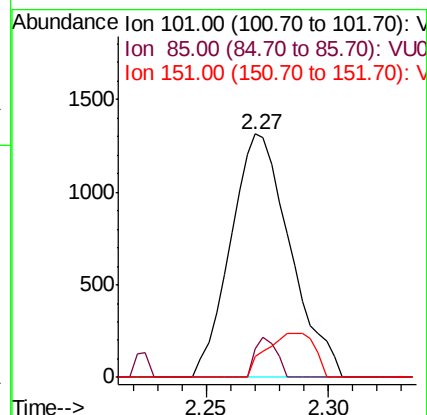
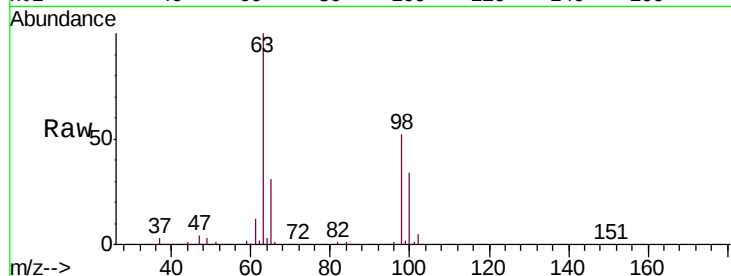
Tgt Ion: 101 Resp: 2220

Ion Ratio Lower Upper

101 100

85 5.8 34.8 52.2#

151 14.6 56.6 85.0#



#12

1,1-Dichloroethene

Concen: 0.749 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030586.D

Acq: 31 Mar 2019 13:44

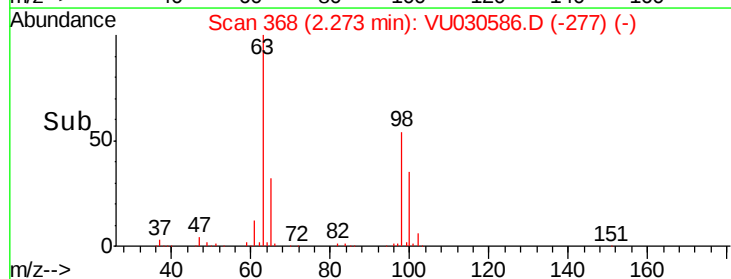
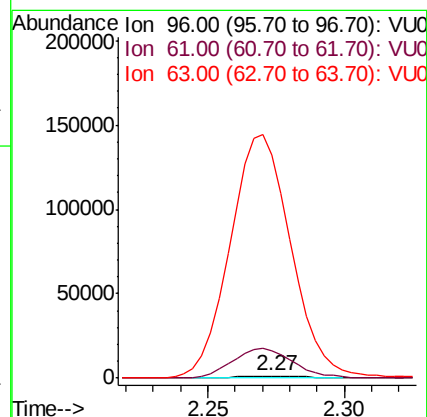
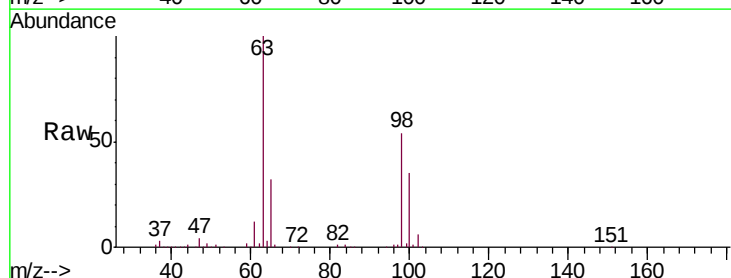
Tgt Ion: 96 Resp: 2349

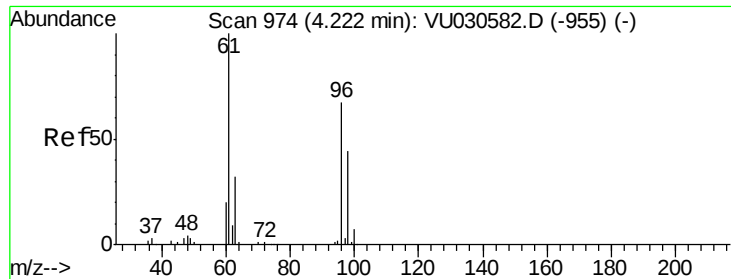
Ion Ratio Lower Upper

96 100

61 1293.9 131.0 243.4#

63 10551.1 92.4 171.6#

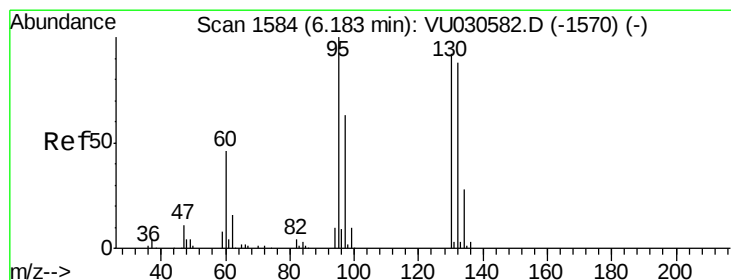
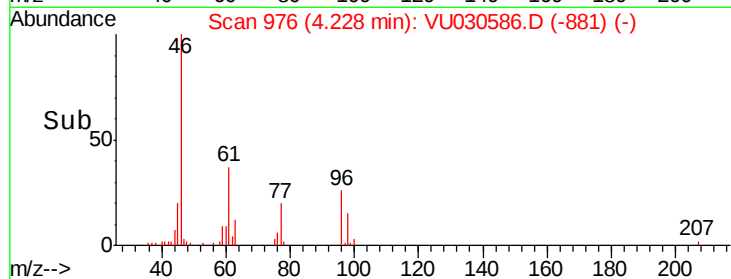
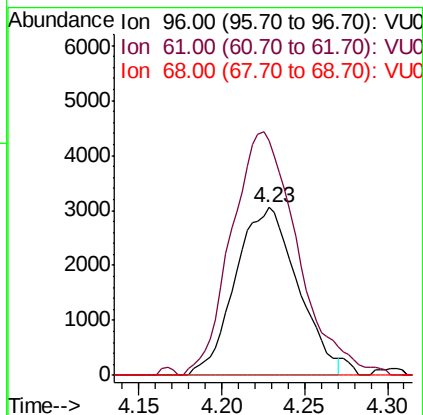
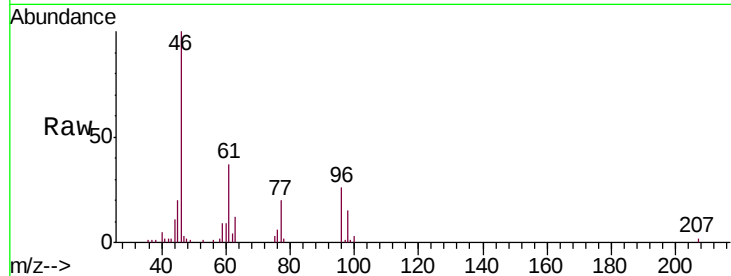




#20
 cis-1,2-Dichloroethene
 Concen: 2.164 ug/L
 RT: 4.23 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VU030586.D
 Acq: 31 Mar 2019 13:44

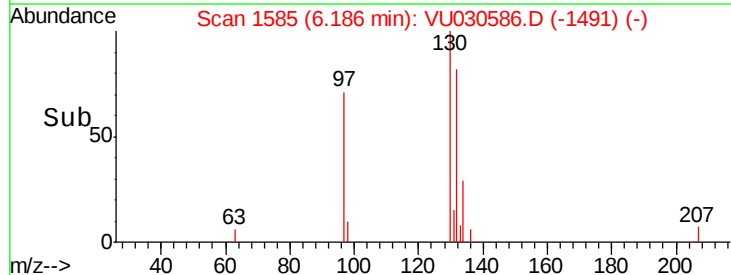
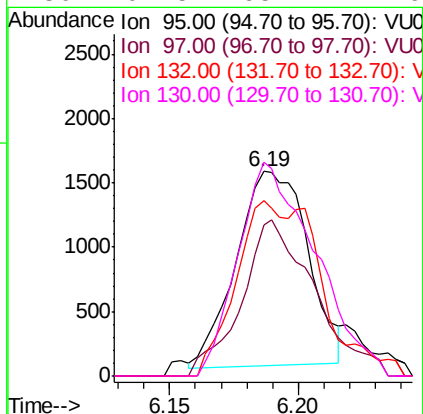
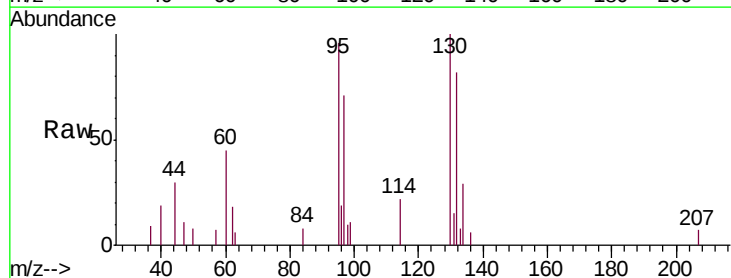
Instrument :
 MSVOA_U
 ClientSampleId :
 BF1D0

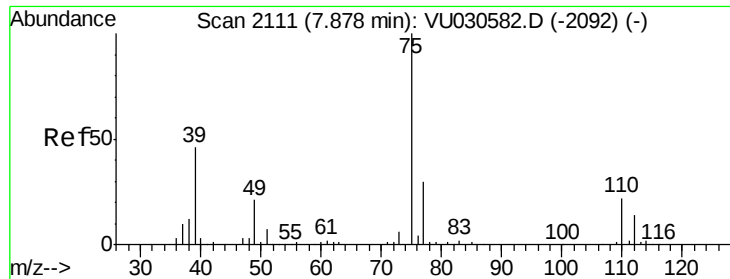
Tgt Ion: 96 Resp: 7989
 Ion Ratio Lower Upper
 96 100
 61 140.5 98.4 182.8
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 0.845 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VU030586.D
 Acq: 31 Mar 2019 13:44

Tgt Ion: 95 Resp: 2918
 Ion Ratio Lower Upper
 95 100
 97 73.7 45.7 84.9
 132 85.7 63.8 118.4
 130 104.5 65.7 121.9





#44

trans-1,3-Dichloropropene

Concen: 0.697 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030586.D

Acq: 31 Mar 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

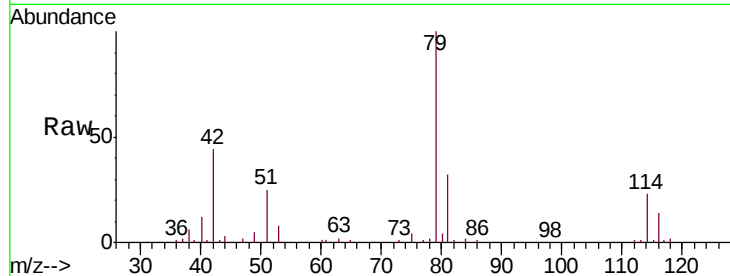
BF1D0

Tgt Ion: 75 Resp: 3515

Ion Ratio Lower Upper

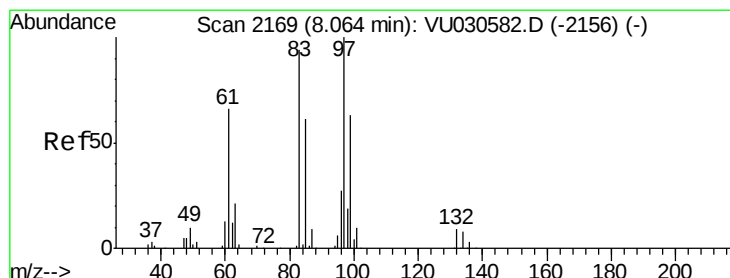
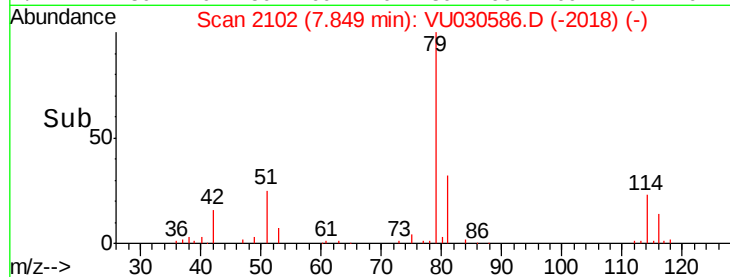
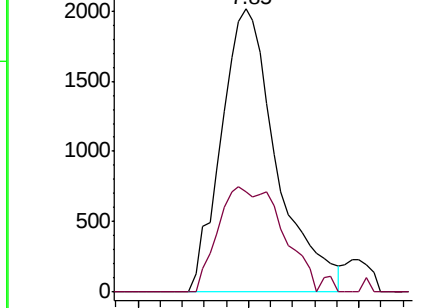
75 100

77 35.5 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU030582.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030582.D (-2092) (-)



#45

1,1,2-Trichloroethane

Concen: 3.394 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU030586.D

Acq: 31 Mar 2019 13:44

Tgt Ion: 97 Resp: 11427

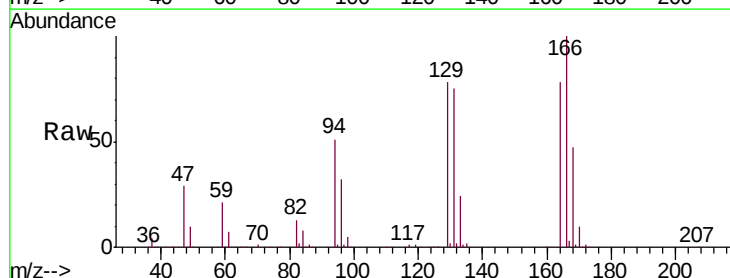
Ion Ratio Lower Upper

97 100

99 15.2 44.0 81.8#

83 284.7 65.3 121.3#

85 36.9 41.8 77.6#

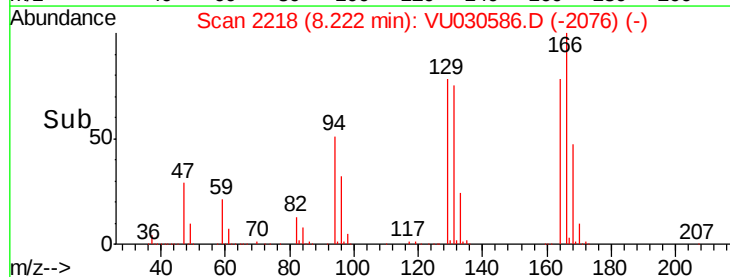
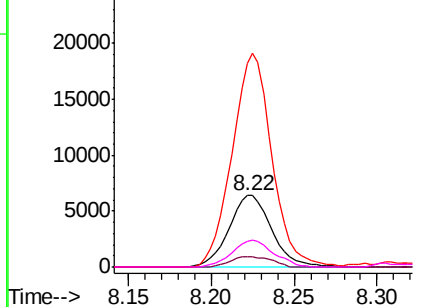


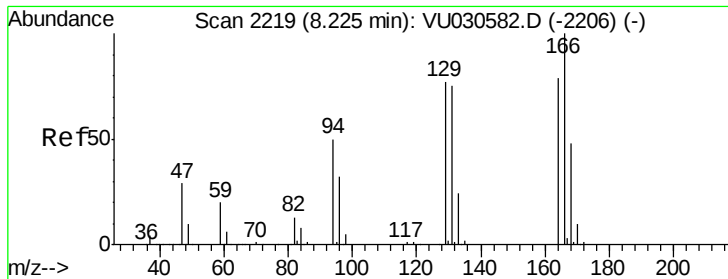
Abundance Ion 97.00 (96.70 to 97.70): VU030582.D (-2156) (-)

Ion 99.00 (98.70 to 99.70): VU030582.D (-2156) (-)

Ion 83.00 (82.70 to 83.70): VU030582.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU030582.D (-2156) (-)

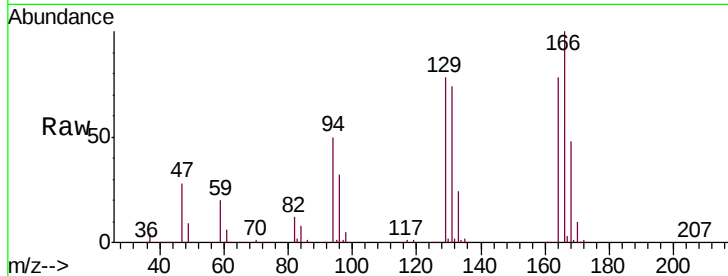




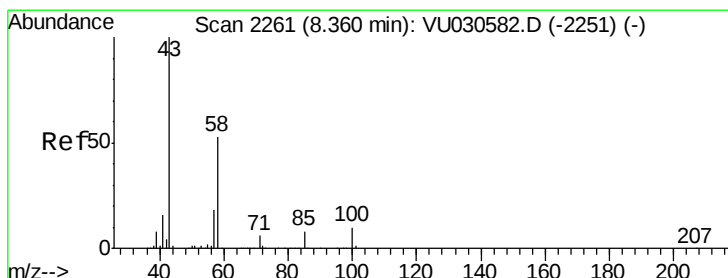
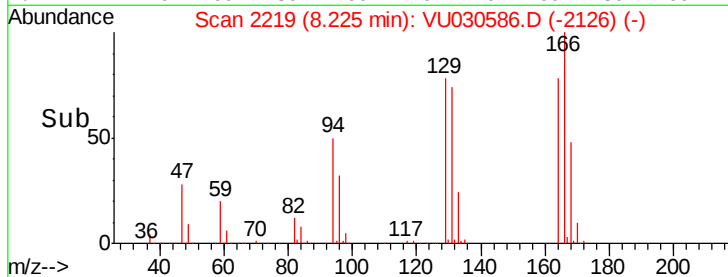
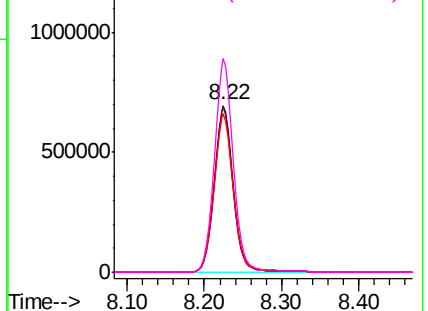
#46
Tetrachloroethene
Concen: 507.115 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030586.D
Acq: 31 Mar 2019 13:44

Instrument :
MSVOA_U
ClientSampleId :
BF1D0

Tgt Ion:164 Resp: 1222756
Ion Ratio Lower Upper
164 100
129 99.4 68.1 126.5
131 95.4 67.7 125.7
166 128.0 92.4 171.6

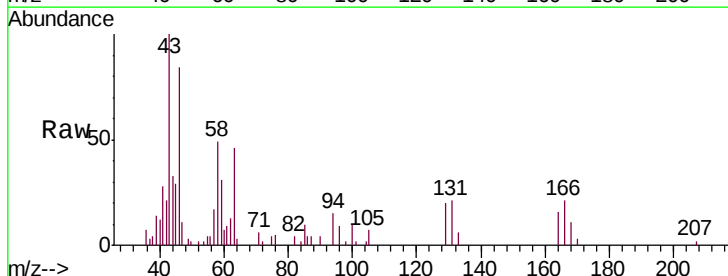


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

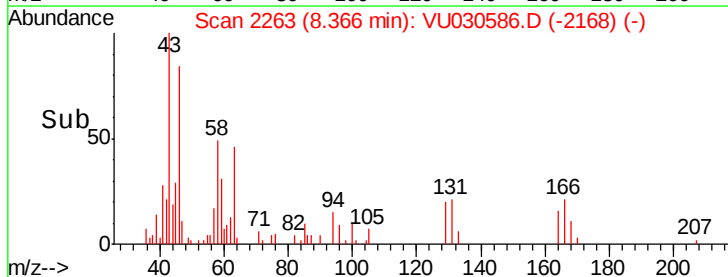
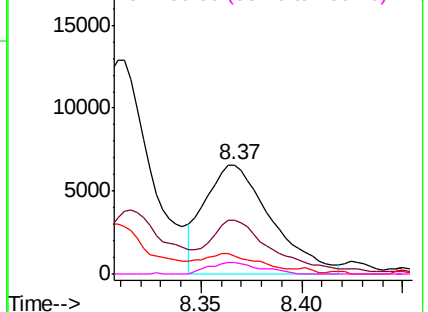


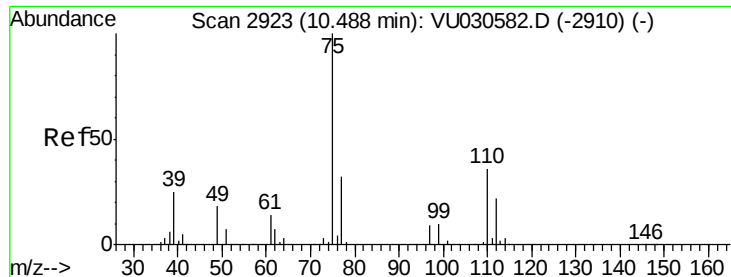
#48
2-Hexanone
Concen: 2.746 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU030586.D
Acq: 31 Mar 2019 13:44

Tgt Ion: 43 Resp: 15064
Ion Ratio Lower Upper
43 100
58 40.2 42.5 63.7#
57 9.8 15.0 22.6#
100 6.8 7.4 11.2#



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: 4.635 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030586.D

Acq: 31 Mar 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

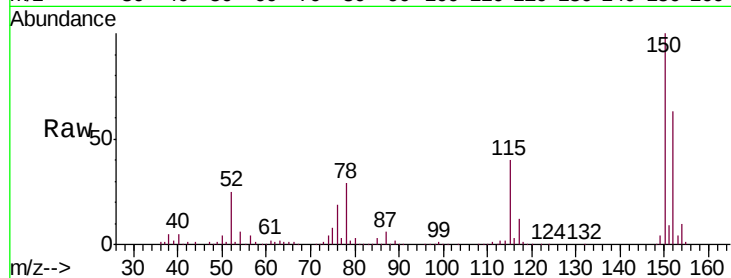
BF1D0

Tgt Ion: 75 Resp: 22484

Ion Ratio Lower Upper

75 100

77 33.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

