

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031172.D
 Acq On : 13 Apr 2019 21:17
 Operator : JC/SP
 Sample : K2353-09 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETJ65

Quant Time: Apr 13 22:33:08 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	474346	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	470766	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	186536	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	178000	42.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.08%
7) Chloroethane-d5	1.68	69	144887	45.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.16%
11) 1,1-Dichloroethene-d2	2.26	63	245376	32.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.08%
21) 2-Butanone-d5	4.17	46	305308	90.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.97%
24) Chloroform-d	4.64	84	289384	44.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.48%
26) 1,2-Dichloroethane-d4	5.30	65	206922	46.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.76%
32) Benzene-d6	5.33	84	612715	44.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.16%
36) 1,2-Dichloropropane-d6	6.32	67	217298	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.28%
41) Toluene-d8	7.56	98	543998	44.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.32%
43) trans-1,3-Dichloropropene-	7.85	79	92044	42.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.72%
47) 2-Hexanone-d5	8.31	63	200920	93.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302977	47.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.38%
64) 1,2-Dichlorobenzene-d4	11.86	152	194097	52.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.82%

Target Compounds

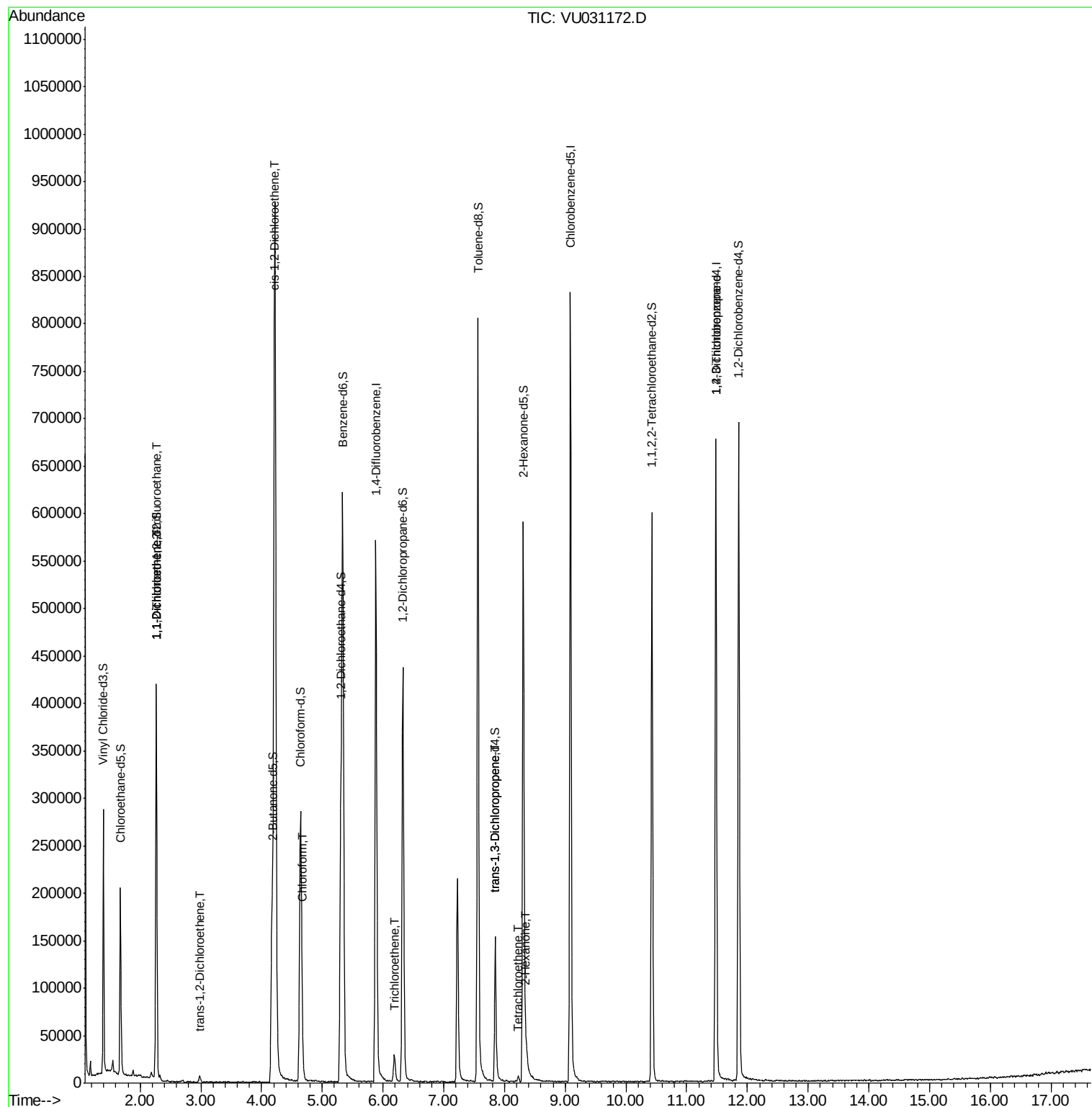
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2187	0.644	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	3238	0.988	ug/L #	1
17) trans-1,2-Dichloroethene	2.98	96	2388	0.686	ug/L #	90
20) cis-1,2-Dichloroethene	4.22	96	512038	133.199	ug/L	92
25) Chloroform	4.67	83	24196	3.351	ug/L	100
34) Trichloroethene	6.18	95	10666	2.823	ug/L	91
44) trans-1,3-Dichloropropene	7.85	75	3927	0.718	ug/L	95
46) Tetrachloroethene	8.23	164	1147	0.418	ug/L #	74
48) 2-Hexanone	8.36	43	9826	1.795	ug/L #	73
59) 1,2,3-Trichloropropane	11.48	75	20879	3.996	ug/L	96

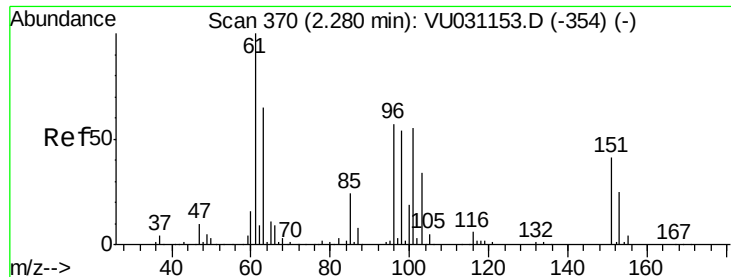
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.644 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031172.D

Acq: 13 Apr 2019 21:17

Instrument :

MSVOA_U

ClientSampleId :

ETJ65

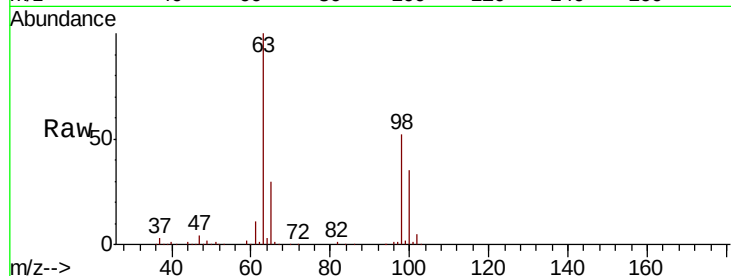
Tot Ion:101 Resp: 2187

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

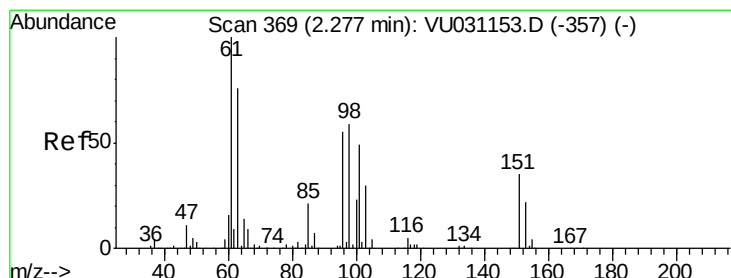
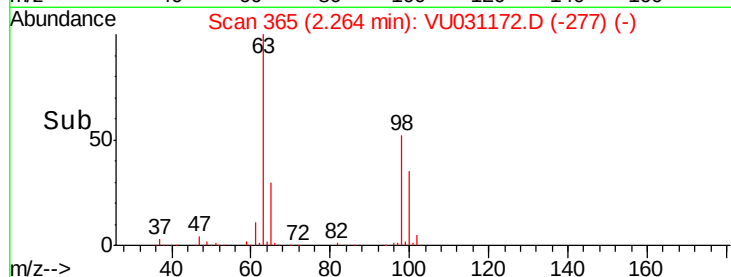
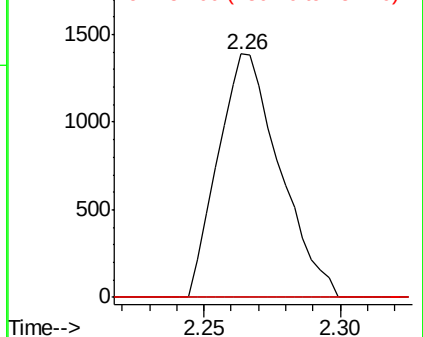
151 0.0 57.4 86.0#



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: 0.988 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031172.D

Acq: 13 Apr 2019 21:17

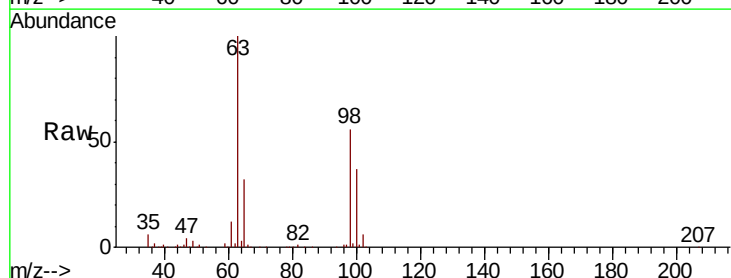
Tgt Ion: 96 Resp: 3238

Ion Ratio Lower Upper

96 100

61 907.3 132.0 245.2#

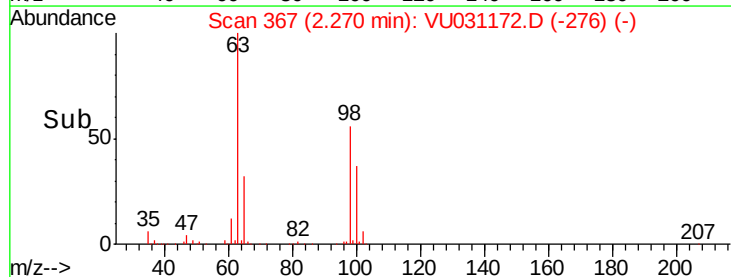
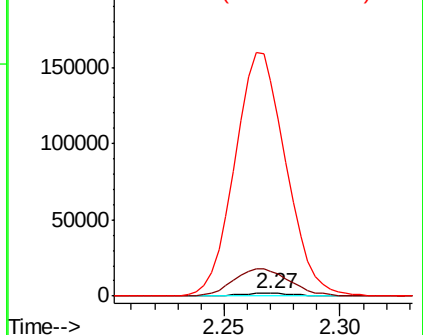
63 7786.3 90.9 168.9#

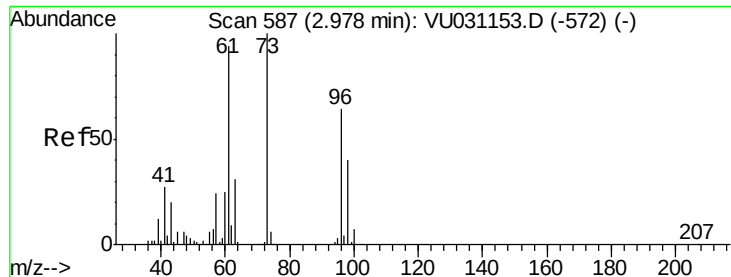


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 0.686 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU031172.D

Acq: 13 Apr 2019 21:17

Instrument :

MSVOA_U

ClientSampleId :

ETJ65

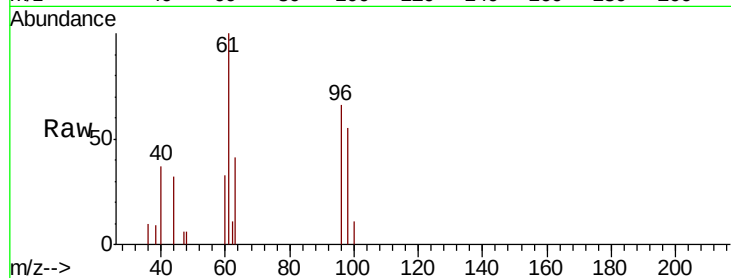
Tot Ion: 96 Resp: 2388

Ion Ratio Lower Upper

96 100

61 151.7 109.5 203.3

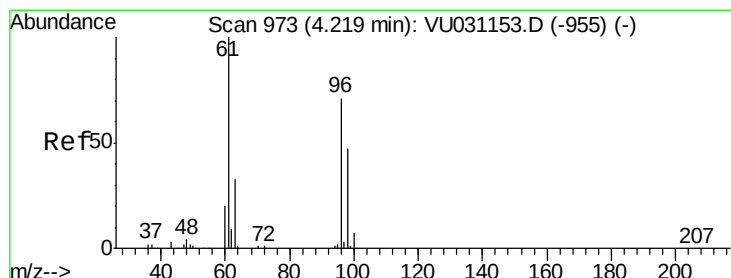
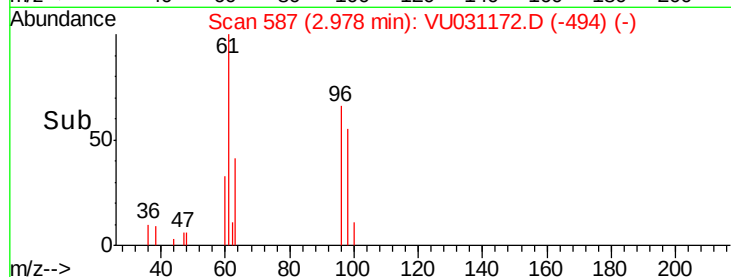
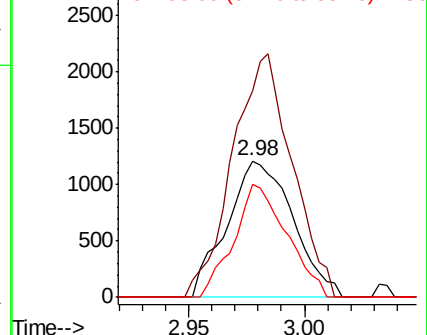
98 82.9 44.0 81.6#



Abundance Ion 96.00 (95.70 to 96.70): VU031172.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU031172.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU031172.D (-494) (-)



#20

cis-1,2-Dichloroethene

Concen: 133.199 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031172.D

Acq: 13 Apr 2019 21:17

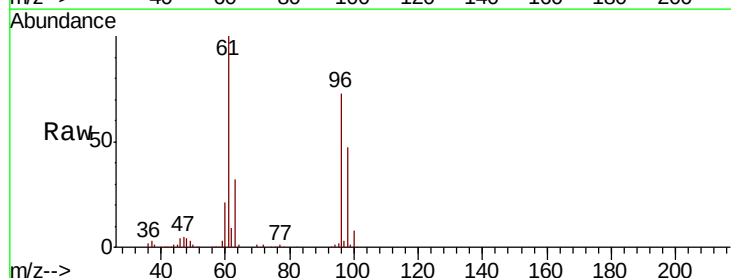
Tgt Ion: 96 Resp: 512038

Ion Ratio Lower Upper

96 100

61 136.4 102.9 191.1

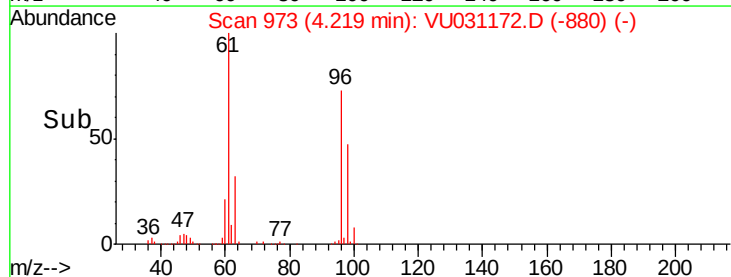
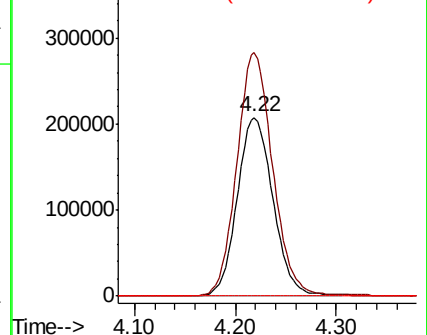
68 0.0 0.0 0.0

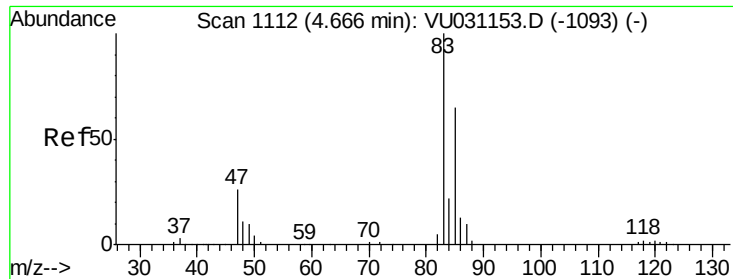


Abundance Ion 96.00 (95.70 to 96.70): VU031172.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU031172.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU031172.D (-880) (-)

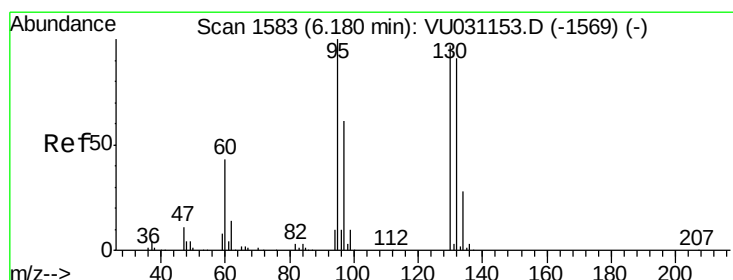
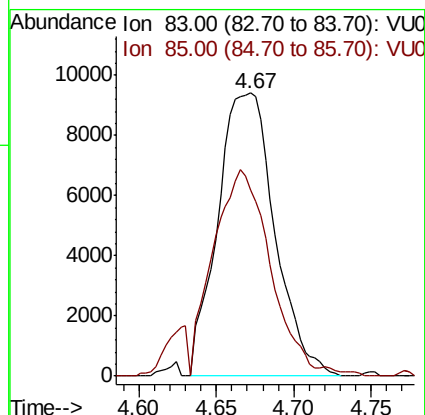
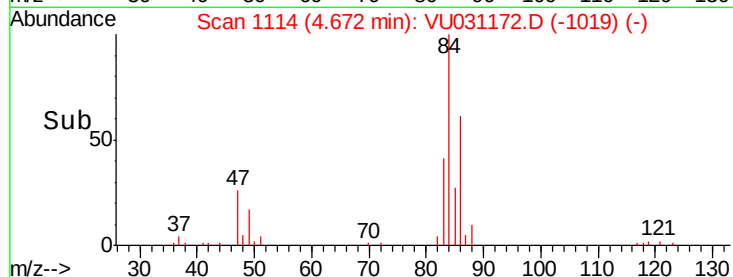
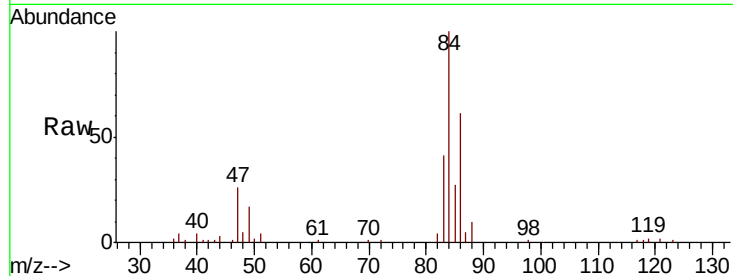




#25
Chloroform
Concen: 3.351 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VU031172.D
Acq: 13 Apr 2019 21:17

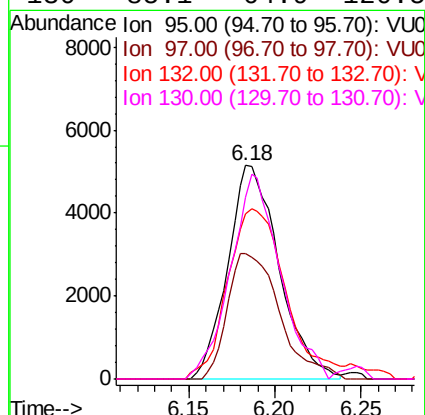
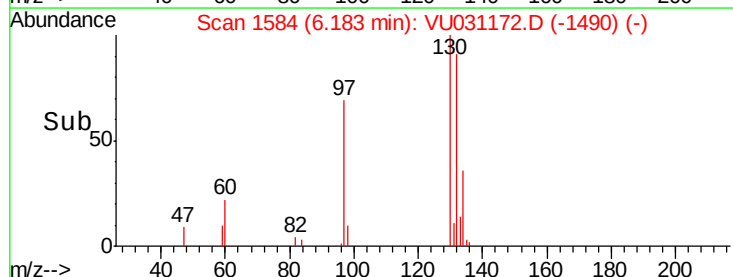
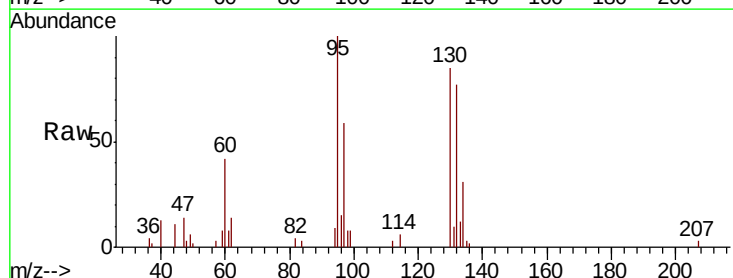
Instrument :
MSVOA_U
ClientSampled :
ETJ65

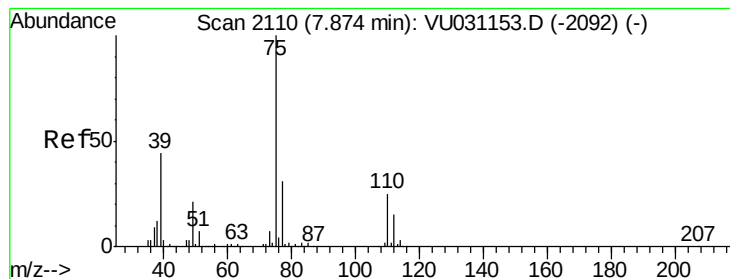
Tot Ion: 83 Resp: 24196
Ion Ratio Lower Upper
83 100
85 65.7 45.8 85.0



#34
Trichloroethene
Concen: 2.823 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU031172.D
Acq: 13 Apr 2019 21:17

Tgt Ion: 95 Resp: 10666
Ion Ratio Lower Upper
95 100
97 59.0 44.5 82.7
132 77.4 61.5 114.1
130 85.1 64.9 120.5





#44

trans-1,3-Dichloropropene

Concen: 0.718 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031172.D

Acq: 13 Apr 2019 21:17

Instrument :

MSVOA_U

ClientSampled :

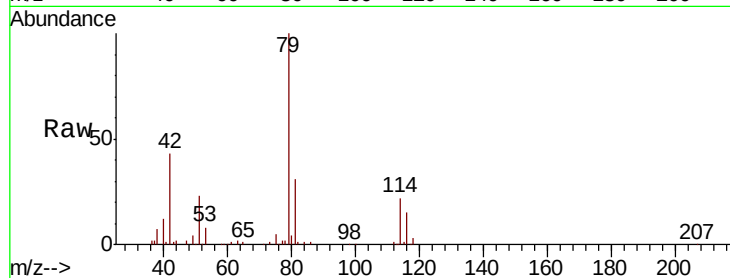
ETJ65

Tot Ion: 75 Resp: 3927

Ion Ratio Lower Upper

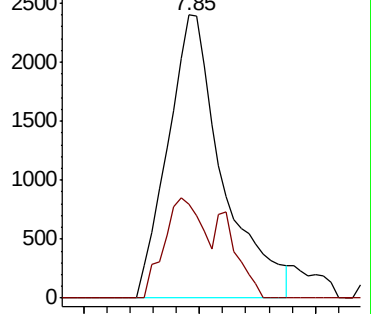
75 100

77 33.4 21.6 40.0

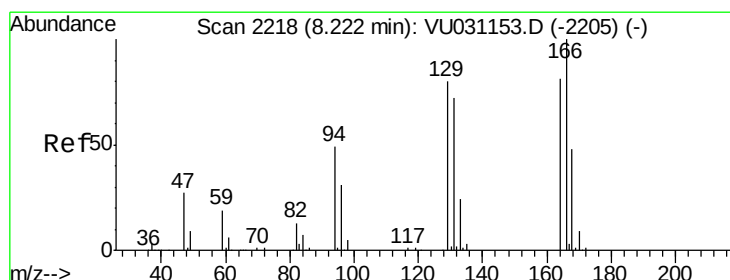
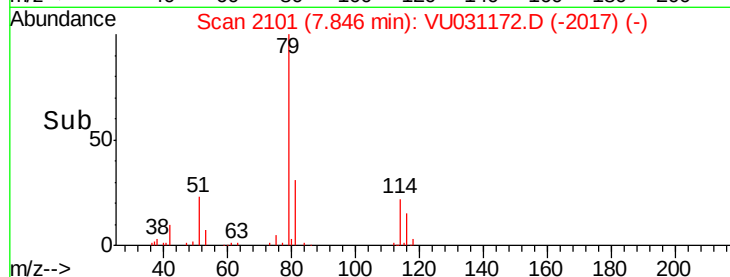


Abundance Ion 75.00 (74.70 to 75.70): VU031153.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031153.D (-2092) (-)



Time-->



#46

Tetrachloroethene

Concen: 0.418 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU031172.D

Acq: 13 Apr 2019 21:17

Tgt Ion: 164 Resp: 1147

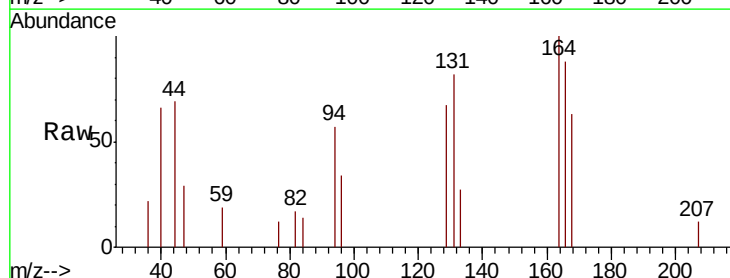
Ion Ratio Lower Upper

164 100

129 66.6 67.4 125.2#

131 81.8 65.9 122.5

166 88.4 88.6 164.6#

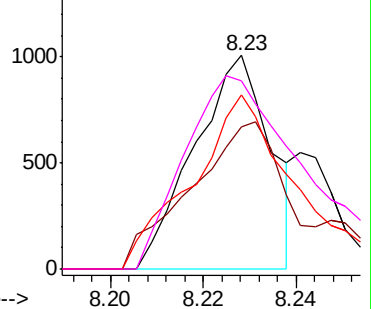


Abundance Ion 164.00 (163.70 to 164.70): VU031153.D (-2205) (-)

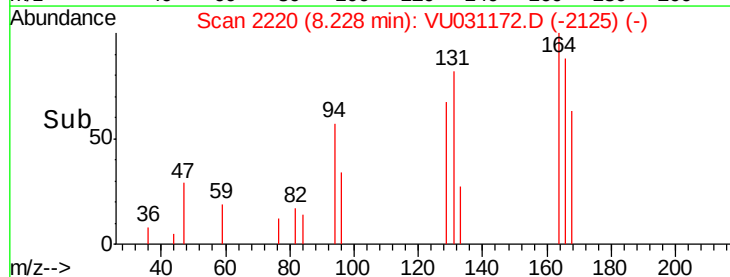
Ion 129.00 (128.70 to 129.70): VU031153.D (-2205) (-)

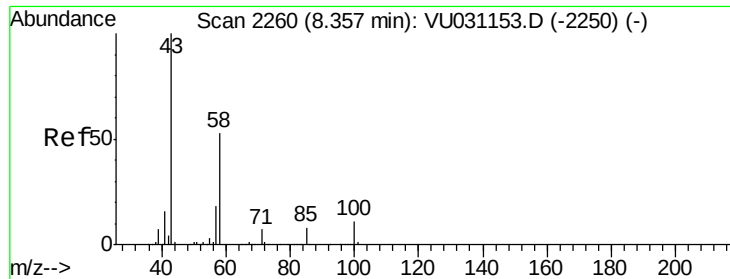
Ion 131.00 (130.70 to 131.70): VU031153.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU031153.D (-2205) (-)



Time-->

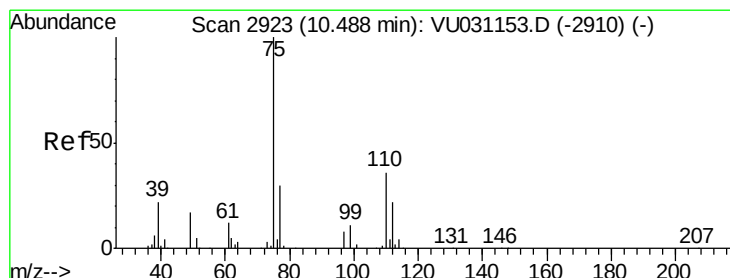
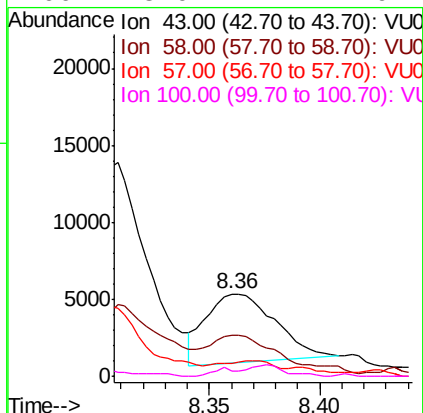
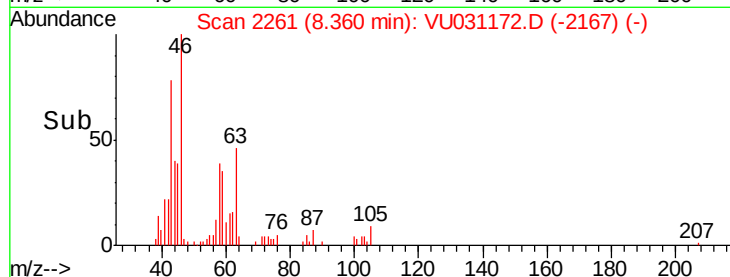
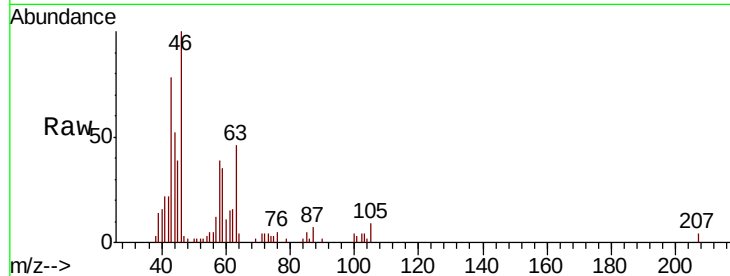




#48
2-Hexanone
Concen: 1.795 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031172.D
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Tot Ion: 43 Resp: 9826
Ion Ratio Lower Upper
43 100
58 35.7 41.9 62.9#
57 0.0 14.3 21.5#
100 3.0 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 3.996 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU031172.D
Acq: 13 Apr 2019 21:17

Tgt Ion: 75 Resp: 20879
Ion Ratio Lower Upper
75 100
77 34.9 26.1 39.1

