

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030712.D
 Acq On : 05 Apr 2019 02:40
 Operator : JC/SP
 Sample : K2276-20 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1C4

Quant Time: Apr 05 04:39:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 02:15:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	498706	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	486715	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	203738	50.00	ug/L	0.00

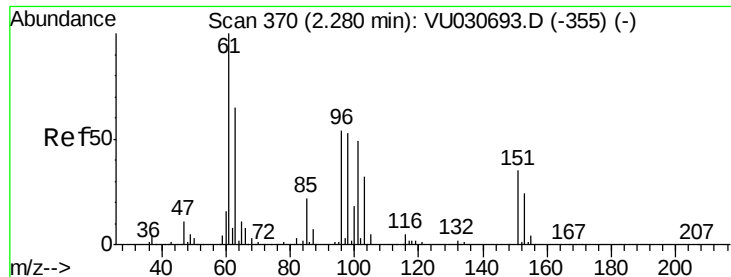
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	243725	54.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.50%
7) Chloroethane-d5	1.68	69	186823	55.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.58%
11) 1,1-Dichloroethene-d2	2.27	63	325539	40.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.86%
21) 2-Butanone-d5	4.17	46	379506	107.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.56%
24) Chloroform-d	4.64	84	335373	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.64%
26) 1,2-Dichloroethane-d4	5.31	65	236763	51.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.04%
32) Benzene-d6	5.34	84	735306	51.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.50%
36) 1,2-Dichloropropane-d6	6.32	67	252133	51.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.56%
41) Toluene-d8	7.56	98	630210	50.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.08%
43) trans-1,3-Dichloropropene-	7.85	79	104418	47.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.06%
47) 2-Hexanone-d5	8.31	63	228697	102.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	329264	50.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	216996	54.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.32%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2576	0.721 ug/L #	20
12) 1,1-Dichloroethene	2.27	96	2072	0.601 ug/L #	1
25) Chloroform	4.67	83	21297	2.805 ug/L	98
34) Trichloroethene	6.19	95	4328	1.108 ug/L	93
44) trans-1,3-Dichloropropene	7.85	75	4216	0.745 ug/L #	70
46) Tetrachloroethene	8.22	164	89287	31.438 ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	26649	4.934 ug/L	92

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



#10

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

Concen: 0.721 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

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BF1C4

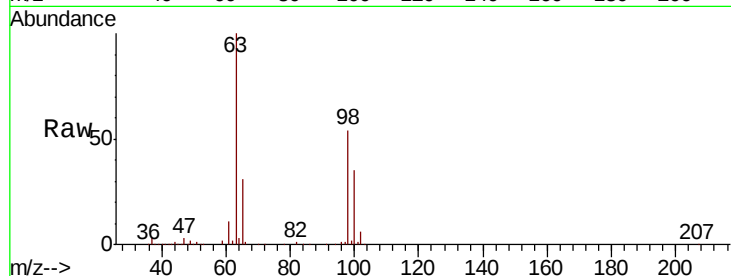
Tot Ion:101 Resp: 2576

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

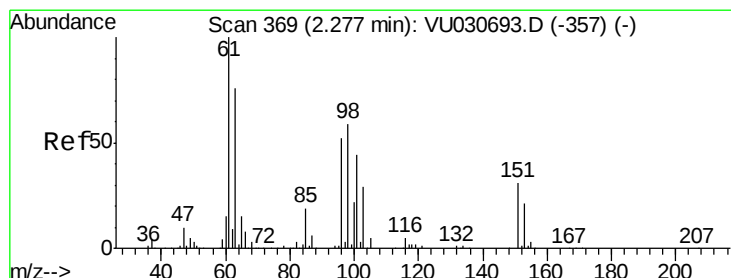
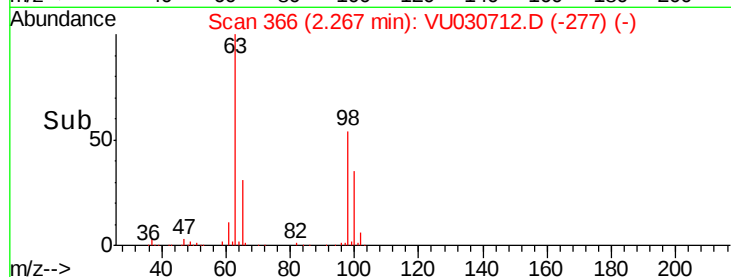
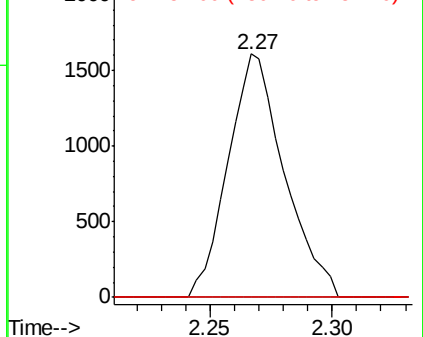
151 0.0 57.4 86.0#



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: 0.601 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU030712.D

Acq: 05 Apr 2019 02:40

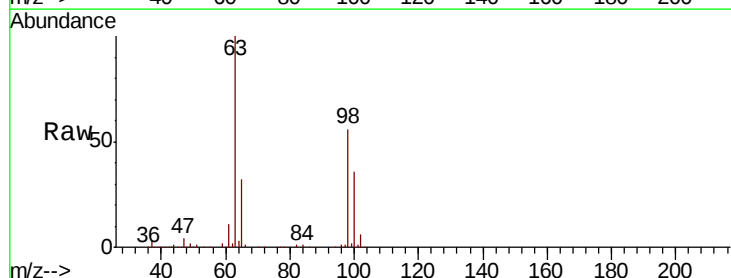
Tgt Ion: 96 Resp: 2072

Ion Ratio Lower Upper

96 100

61 1425.0 132.0 245.2#

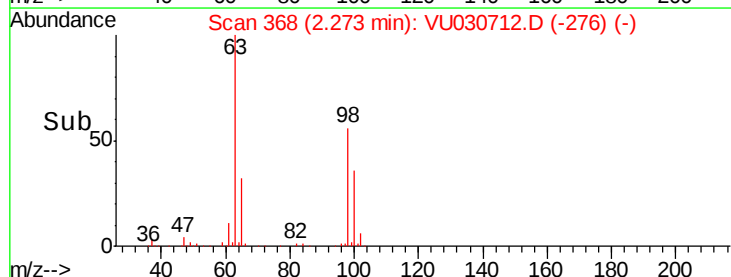
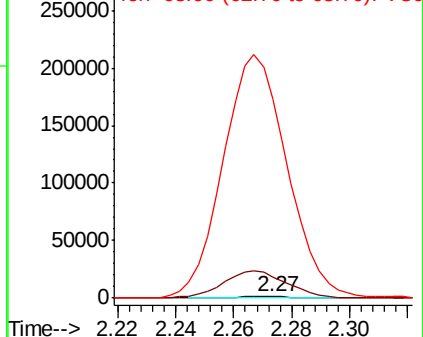
63 13256.8 90.9 168.9#

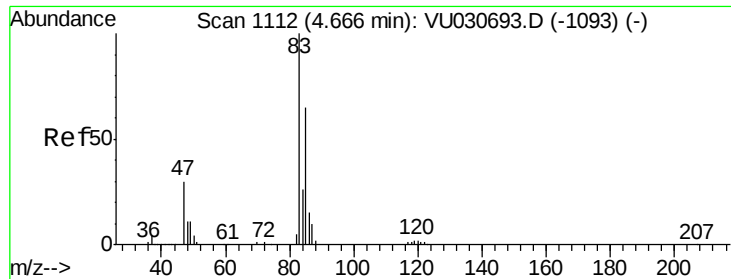


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#25

Chloroform

Concen: 2.805 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VU030712.D

Acq: 05 Apr 2019 02:40

Instrument :

MSVOA_U

ClientSampleId :

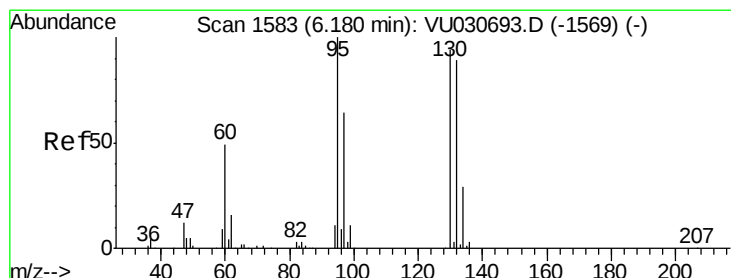
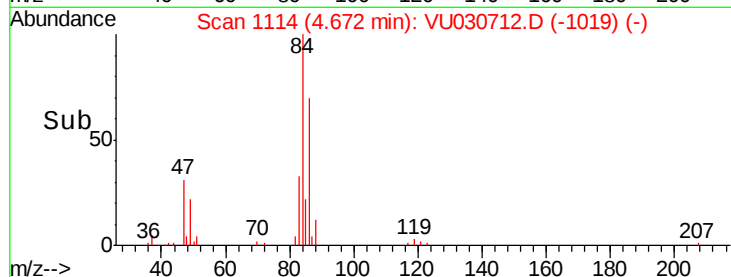
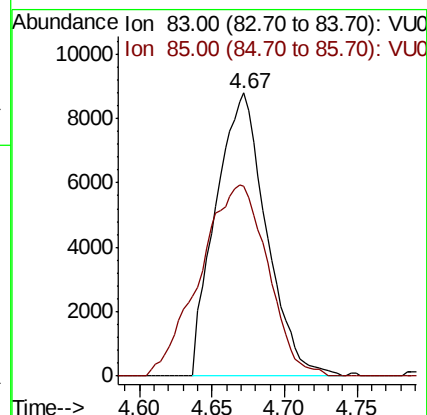
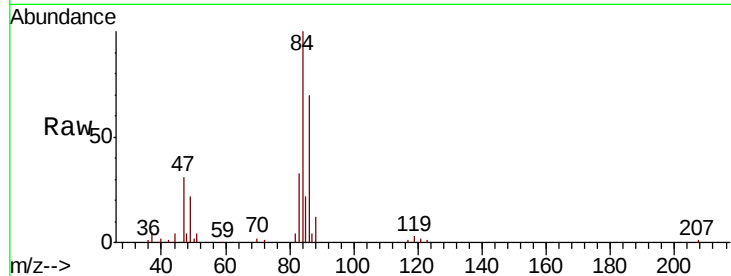
BF1C4

Tot Ion: 83 Resp: 21297

Ion Ratio Lower Upper

83 100

85 67.0 45.8 85.0



#34

Trichloroethene

Concen: 1.108 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU030712.D

Acq: 05 Apr 2019 02:40

Tgt Ion: 95 Resp: 4328

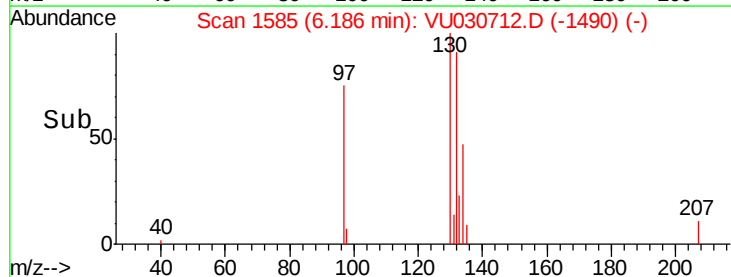
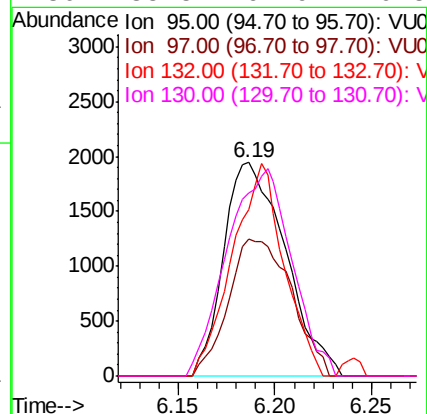
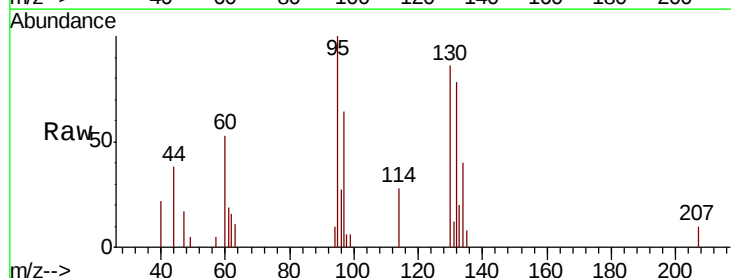
Ion Ratio Lower Upper

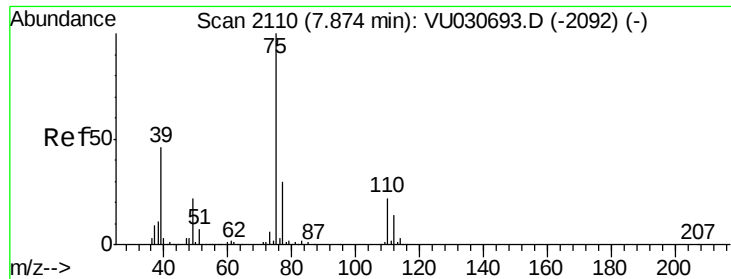
95 100

97 63.9 44.5 82.7

132 78.2 61.5 114.1

130 85.5 64.9 120.5





#44

trans-1,3-Dichloropropene

Concen: 0.745 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030712.D

Acq: 05 Apr 2019 02:40

Instrument :

MSVOA_U

ClientSampleId :

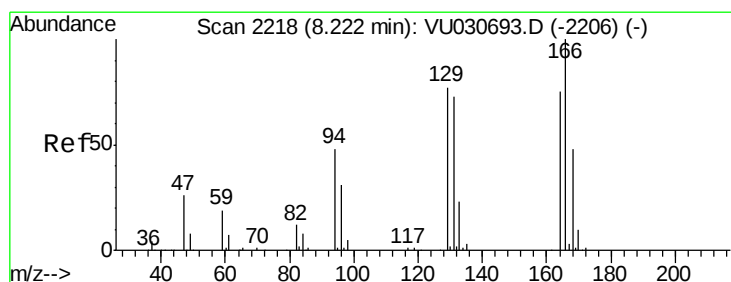
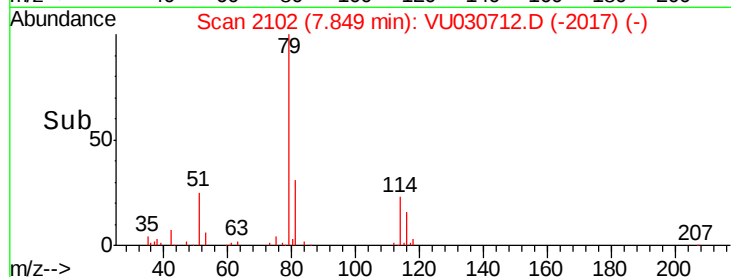
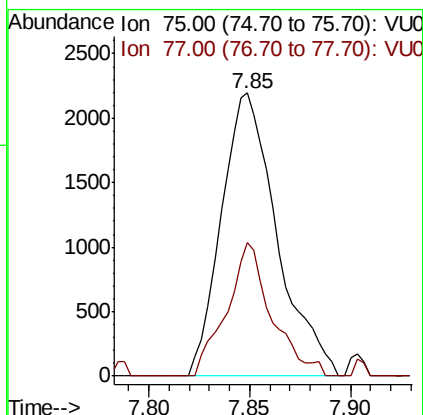
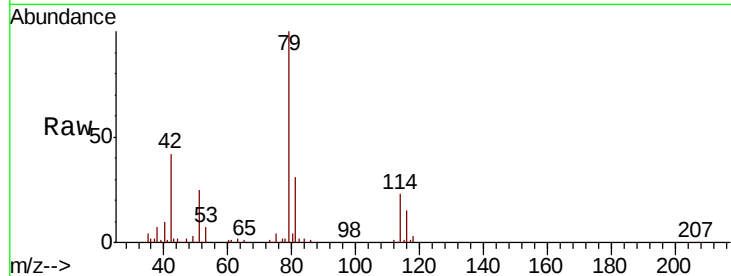
BF1C4

Tot Ion: 75 Resp: 4216

Ion Ratio Lower Upper

75 100

77 47.4 21.6 40.0#



#46

Tetrachloroethene

Concen: 31.438 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU030712.D

Acq: 05 Apr 2019 02:40

Tgt Ion: 164 Resp: 89287

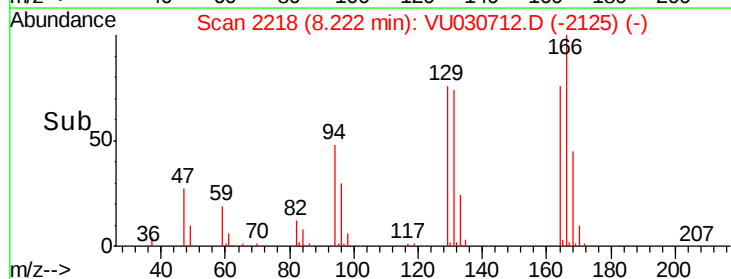
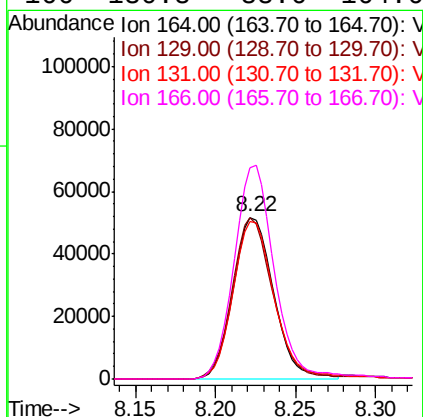
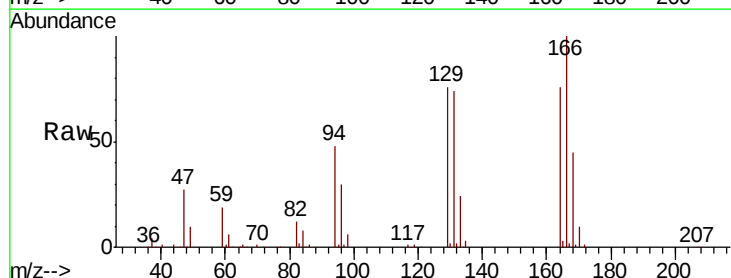
Ion Ratio Lower Upper

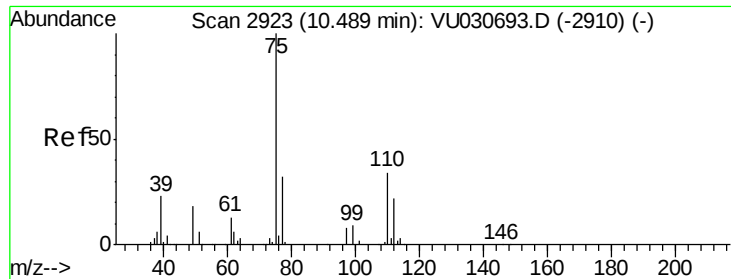
164 100

129 99.6 67.4 125.2

131 97.4 65.9 122.5

166 130.8 88.6 164.6





#59

1,2,3-Trichloropropane

Concen: 4.934 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030712.D

Acq: 05 Apr 2019 02:40

Instrument :

MSVOA_U

ClientSampleId :

BF1C4

Tot Ion: 75 Resp: 26649

Ion Ratio Lower Upper

75 100

77 37.1 26.1 39.1

