

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU021819\
 Data File : VU029536.D
 Acq On : 18 Feb 2019 17:43
 Operator : JC/SP
 Sample : K1522-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AM4

Quant Time: Feb 26 00:42:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Feb 19 00:19:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	211105	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	204950	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	110018	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59281	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.68	69	53384	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.27	63	110647	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.19	46	151215	51.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.56%
24) Chloroform-d	4.65	84	98921	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.31	65	59215	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.34	84	228355	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.33	67	70867	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.56	98	223335	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.85	79	28788	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.31	63	156512	52.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	63525	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	98679	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

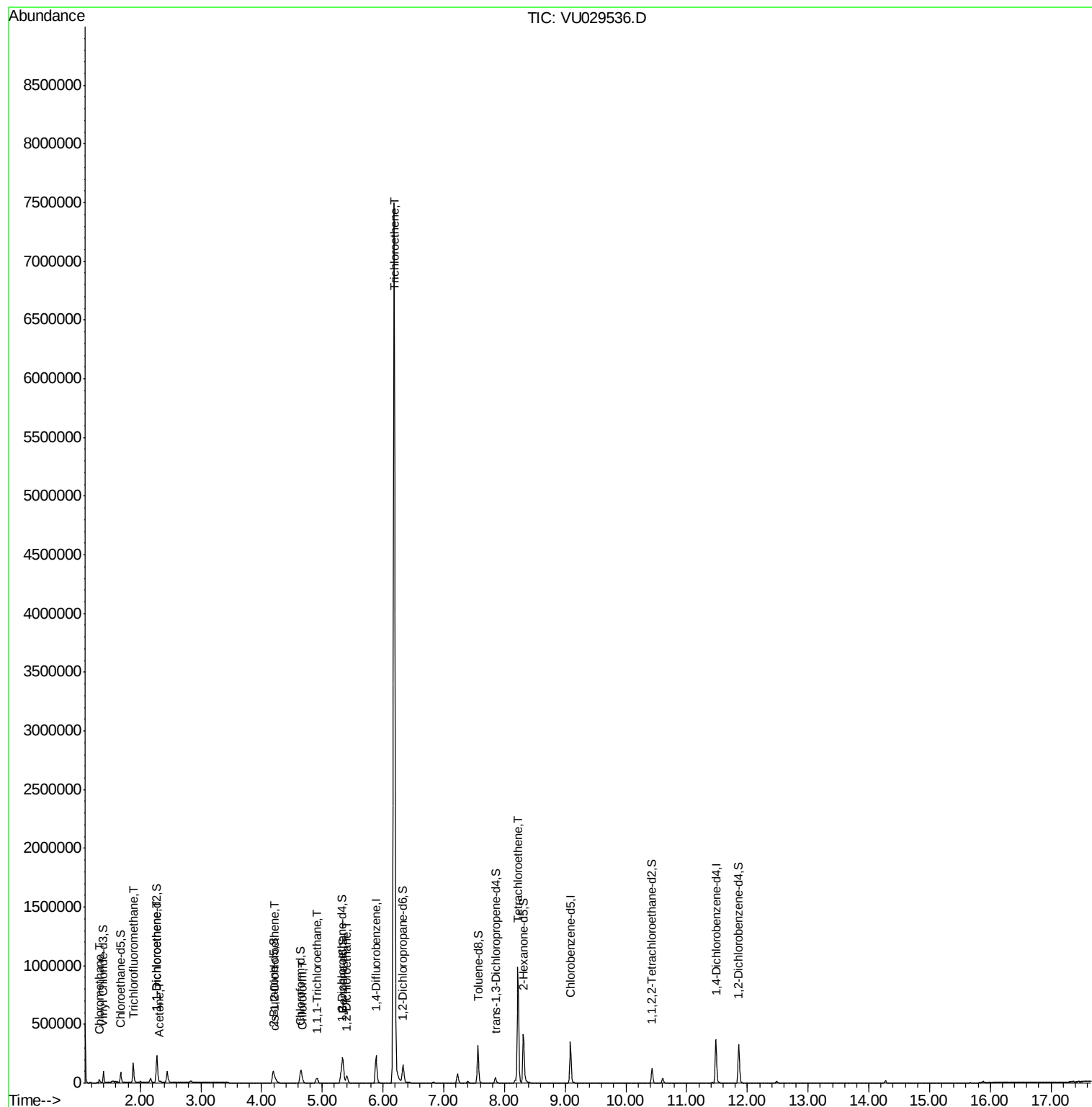
					Ovalue
3) Chloromethane	1.33	50	17544	1.006 ug/L	97
9) Trichlorofluoromethane	1.89	101	101548	3.263 ug/L	99
12) 1,1-Dichloroethene	2.29	96	29792	1.715 ug/L #	81
13) Acetone	2.32	43	5689	2.123 ug/L	95
22) cis-1,2-Dichloroethene	4.22	96	8971	0.526 ug/L	95
25) Chloroform	4.67	83	18461	0.661 ug/L	96
27) 1,2-Dichloroethane	5.41	62	48787	3.019 ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	33224	1.311 ug/L	98
34) Trichloroethene	6.18	95	2528015	149.041 ug/L	97
47) Tetrachloroethene	8.22	164	235087	15.131 ug/L	99

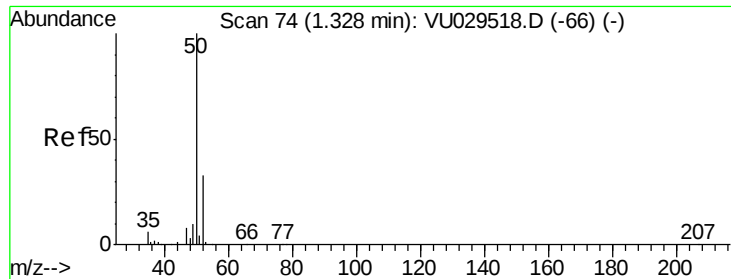
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.006 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029536.D

Acq: 18 Feb 2019 17:43

Instrument :

MSVOA_U

ClientSampleId :

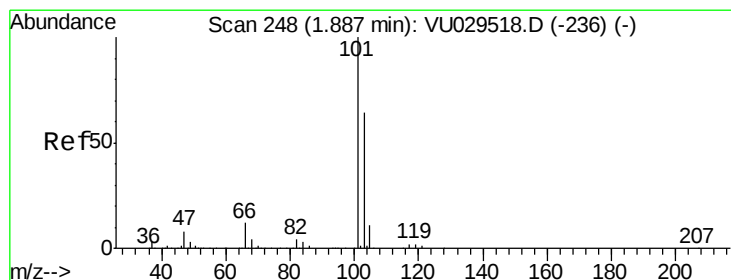
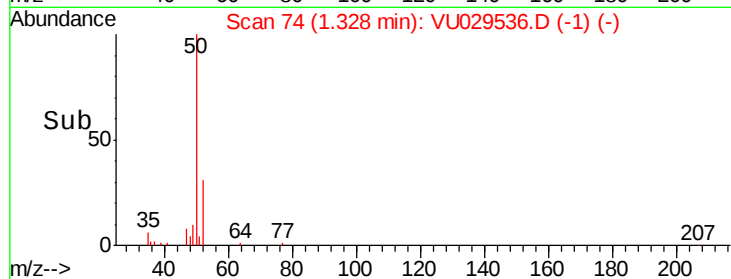
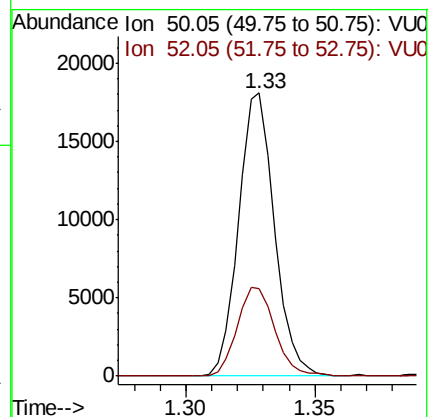
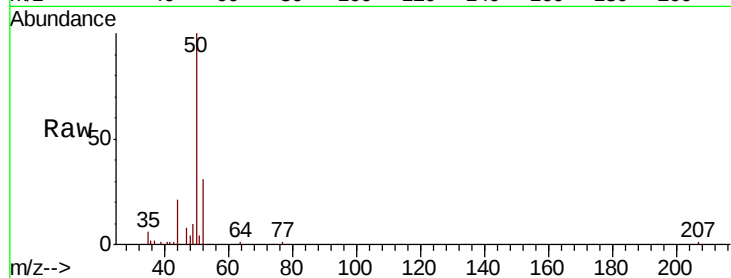
C0AM4

Tot Ion: 50 Resp: 17544

Ion Ratio Lower Upper

50 100

52 31.1 23.1 42.9



#9

Trichlorofluoromethane

Concen: 3.263 ug/L

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU029536.D

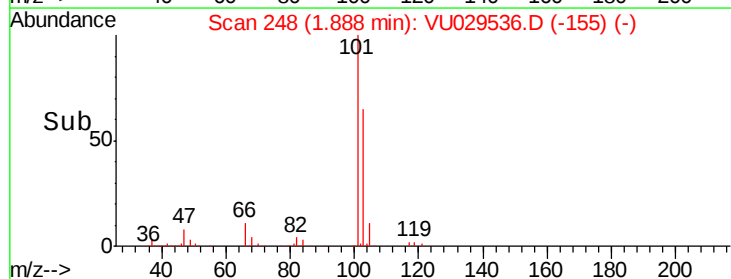
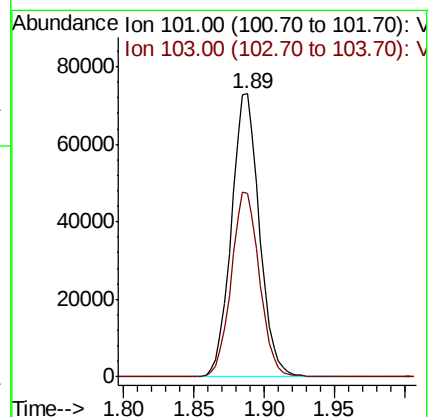
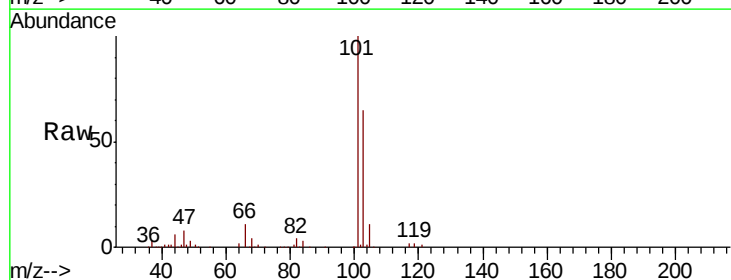
Acq: 18 Feb 2019 17:43

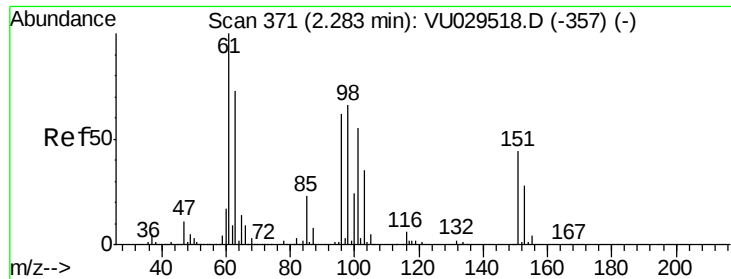
Tgt Ion: 101 Resp: 101548

Ion Ratio Lower Upper

101 100

103 65.7 52.1 78.1

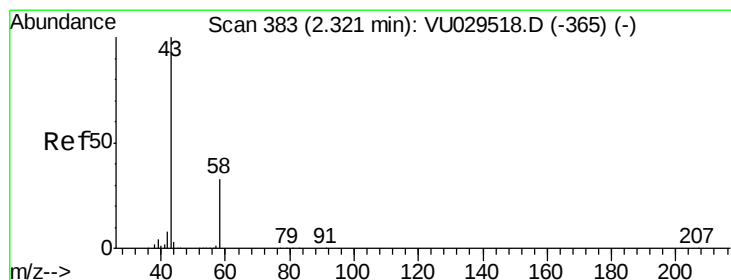
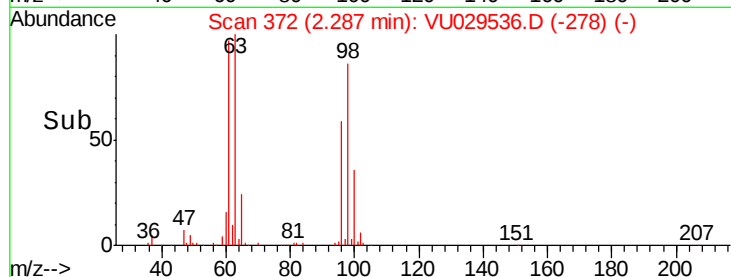
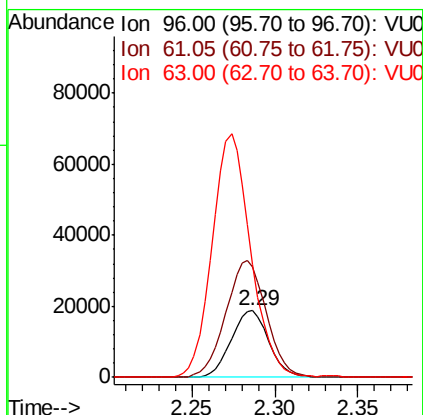
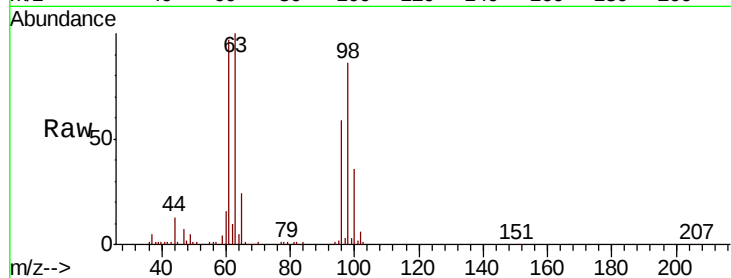




#12
 1,1-Dichloroethene
 Concen: 1.715 ug/L
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029536.D
 Acq: 18 Feb 2019 17:43

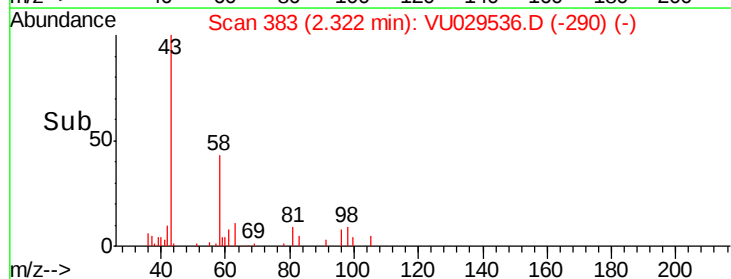
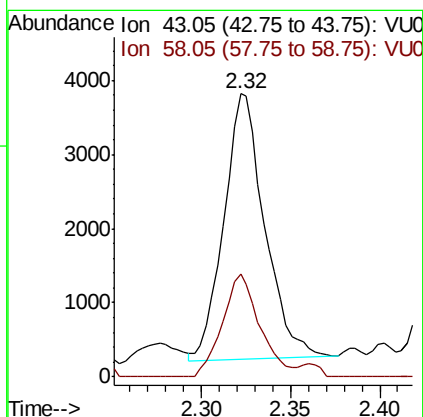
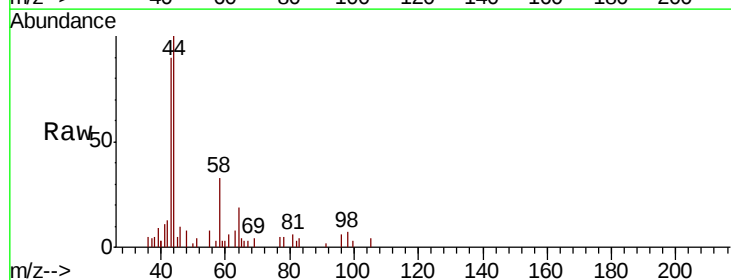
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AM4

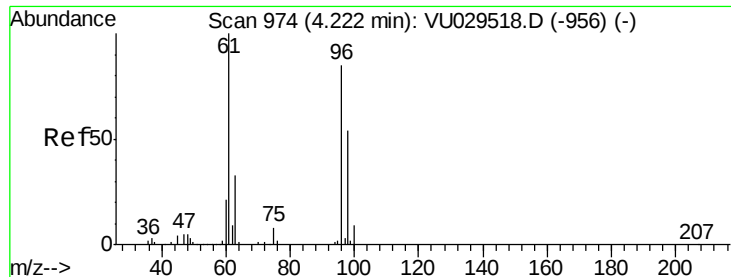
Tot Ion: 96 Resp: 29792
 Ion Ratio Lower Upper
 96 100
 61 164.6 115.1 213.7
 63 170.2 83.5 155.1#



#13
 Acetone
 Concen: 2.123 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VU029536.D
 Acq: 18 Feb 2019 17:43

Tgt Ion: 43 Resp: 5689
 Ion Ratio Lower Upper
 43 100
 58 35.4 0.0 65.0





#22

cis-1,2-Dichloroethene

Concen: 0.526 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029536.D

Acq: 18 Feb 2019 17:43

Instrument :

MSVOA_U

ClientSampleId :

C0AM4

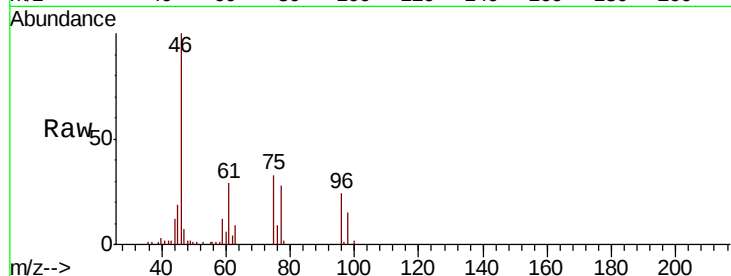
Tot Ion: 96 Resp: 8971

Ion Ratio Lower Upper

96 100

61 119.7 79.9 148.5

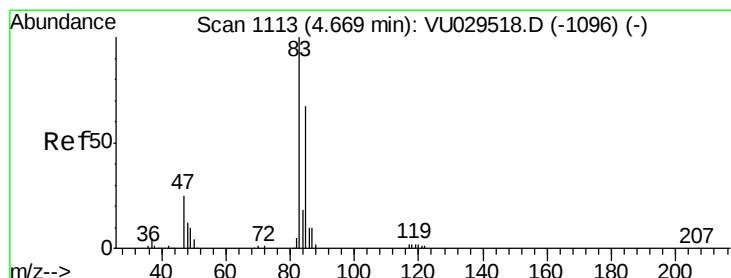
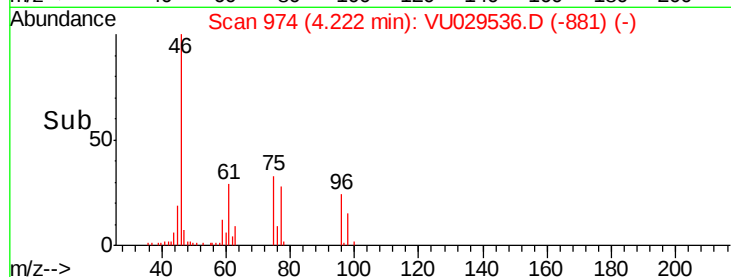
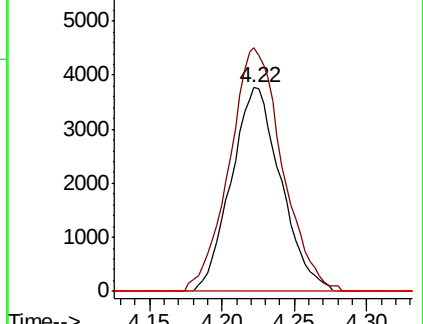
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.661 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029536.D

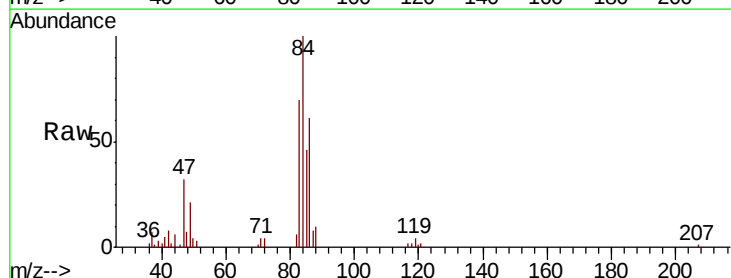
Acq: 18 Feb 2019 17:43

Tgt Ion: 83 Resp: 18461

Ion Ratio Lower Upper

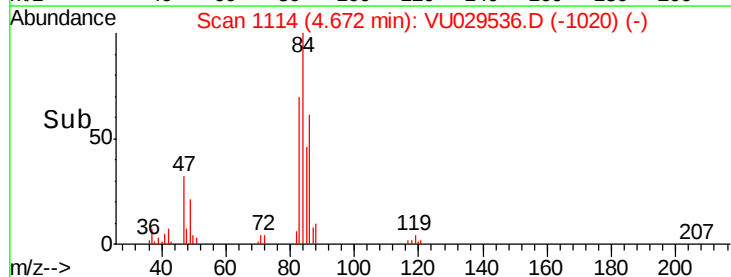
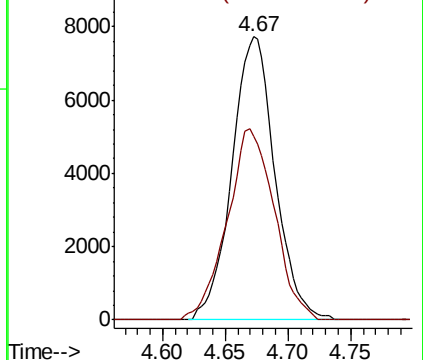
83 100

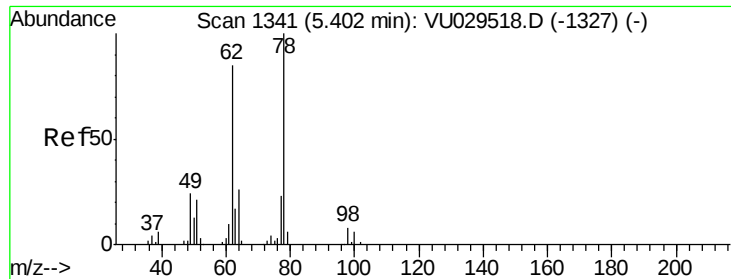
85 65.0 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

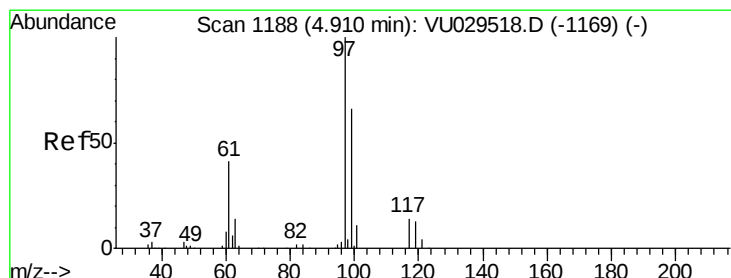
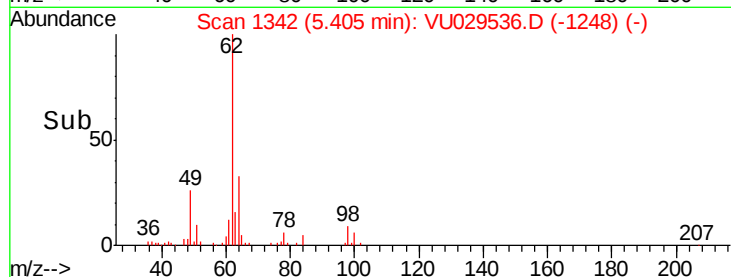
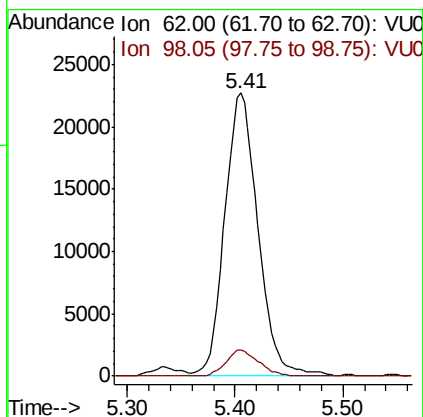
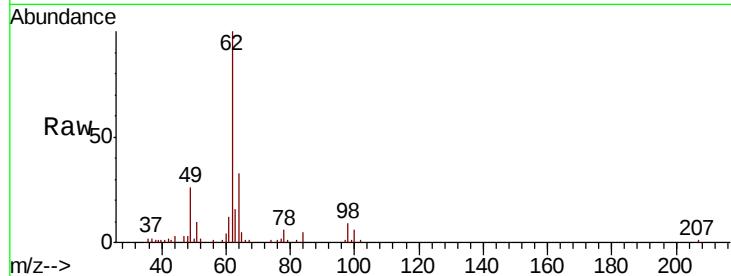




#27
 1,2-Dichloroethane
 Concen: 3.019 ug/L
 RT: 5.41 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VU029536.D
 Acq: 18 Feb 2019 17:43

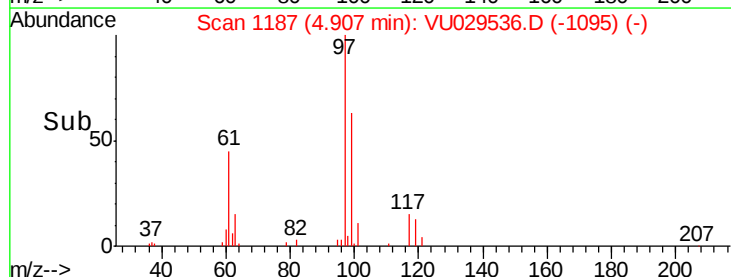
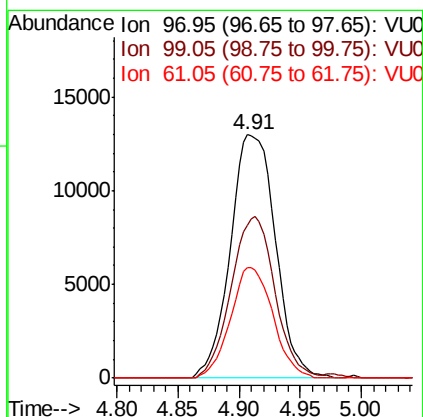
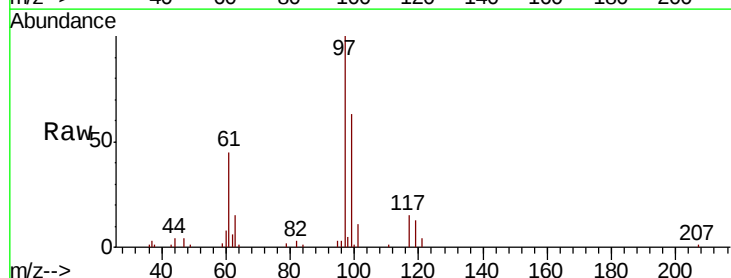
Instrument :
 MSVOA_U
 ClientSampled :
 C0AM4

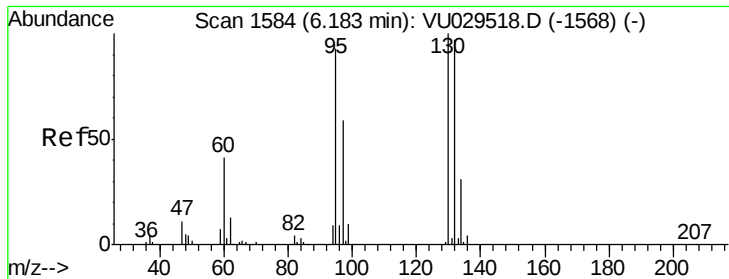
Tot Ion: 62 Resp: 48787
 Ion Ratio Lower Upper
 62 100
 98 9.4 8.4 12.6



#29
 1,1,1-Trichloroethane
 Concen: 1.311 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU029536.D
 Acq: 18 Feb 2019 17:43

Tgt Ion: 97 Resp: 33224
 Ion Ratio Lower Upper
 97 100
 99 64.4 52.2 78.2
 61 42.7 32.0 48.0





#34

Trichloroethene

Concen: 149.041 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029536.D

Acq: 18 Feb 2019 17:43

Instrument :

MSVOA_U

ClientSampleId :

C0AM4

Tot Ion: 95 Resp: 2528015

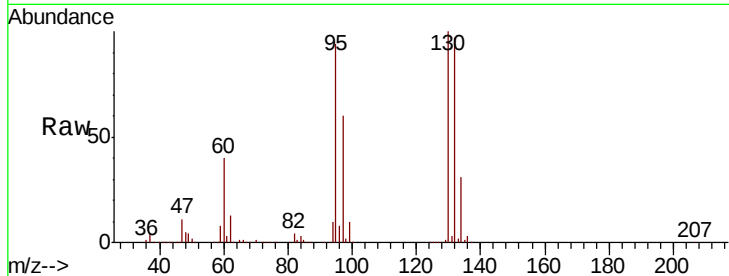
Ion Ratio Lower Upper

95 100

97 64.3 46.3 86.1

132 103.2 72.9 135.3

130 106.7 79.2 147.0

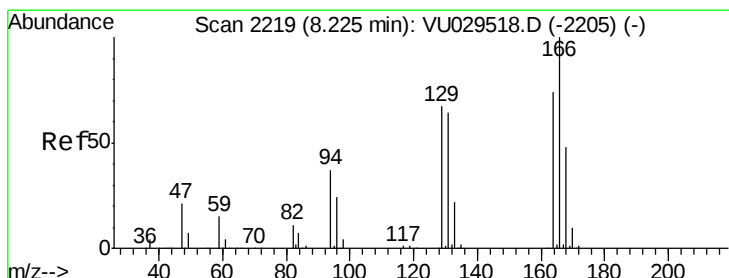
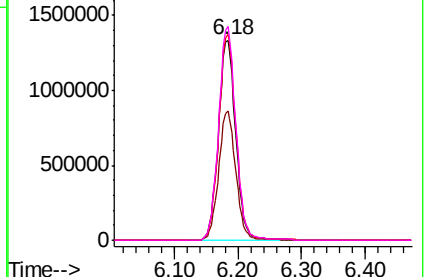
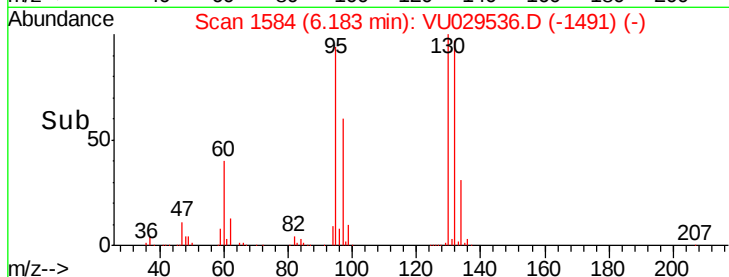


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 15.131 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU029536.D

Acq: 18 Feb 2019 17:43

Tgt Ion:164 Resp: 235087

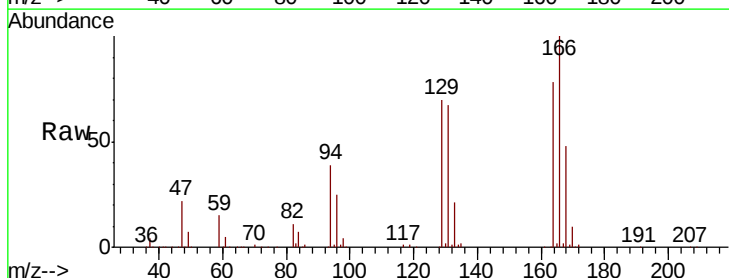
Ion Ratio Lower Upper

164 100

129 89.5 62.9 116.9

131 86.1 62.1 115.3

166 127.6 89.8 166.8



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

