

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
 Data File : VU030682.D
 Acq On : 04 Apr 2019 13:24
 Operator : JC/SP
 Sample : K2167-18RE
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF2M2RE

Quant Time: Apr 04 14:05:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 02 08:36:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	479009	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	475530	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	209121	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	203208	52.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.42%
7) Chloroethane-d5	1.68	69	165659	54.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.44%
11) 1,1-Dichloroethene-d2	2.27	63	284057	38.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.68%
21) 2-Butanone-d5	4.17	46	367502	101.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.41%
24) Chloroform-d	4.64	84	318353	47.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.86%
26) 1,2-Dichloroethane-d4	5.31	65	221815	51.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.08%
32) Benzene-d6	5.34	84	678707	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.54%
36) 1,2-Dichloropropane-d6	6.32	67	234356	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.46%
41) Toluene-d8	7.56	98	582073	47.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.06%
43) trans-1,3-Dichloropropene-	7.85	79	102115	46.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.08%
47) 2-Hexanone-d5	8.31	63	228447	90.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.35%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	322161	48.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	208365	49.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.46%

Target Compounds

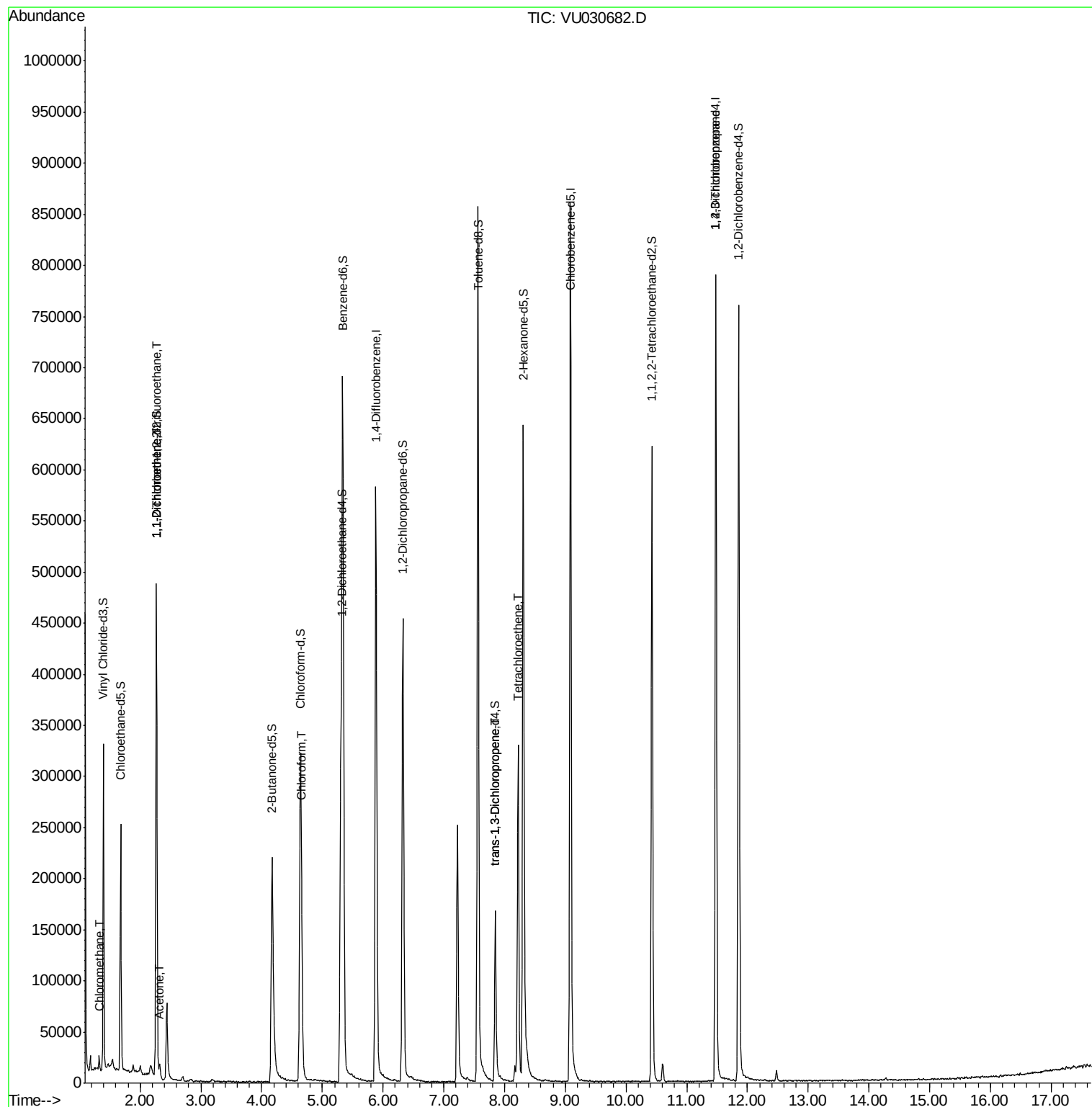
					Qvalue
3) Chloromethane	1.32	50	8063	1.364 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2320	0.664 ug/L #	23
12) 1,1-Dichloroethene	2.27	96	2532	0.739 ug/L #	1
13) Acetone	2.32	43	12257	3.344 ug/L	97
25) Chloroform	4.67	83	10814	1.542 ug/L	91
44) trans-1,3-Dichloropropene	7.85	75	4119	0.709 ug/L	95
46) Tetrachloroethene	8.22	164	74621	26.847 ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	26734	4.781 ug/L	93

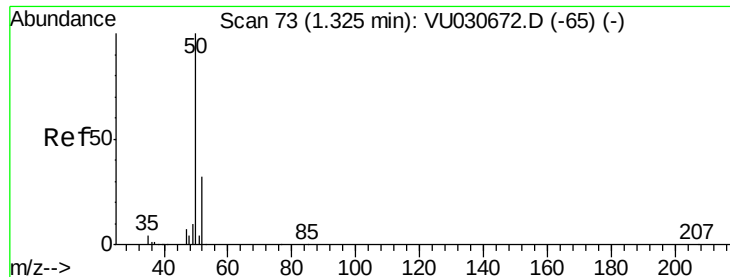
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.364 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU030682.D

Acq: 04 Apr 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

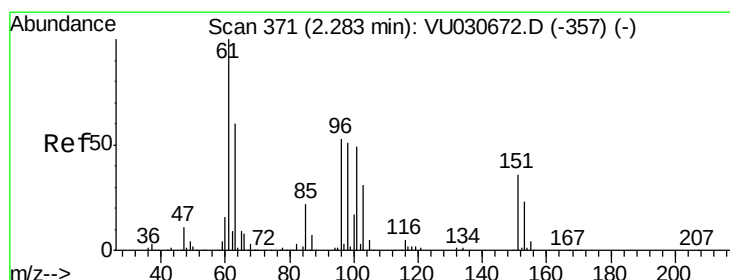
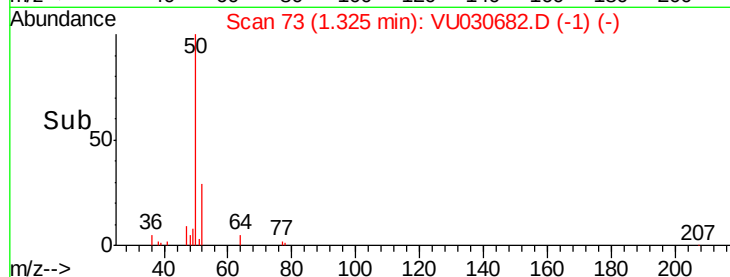
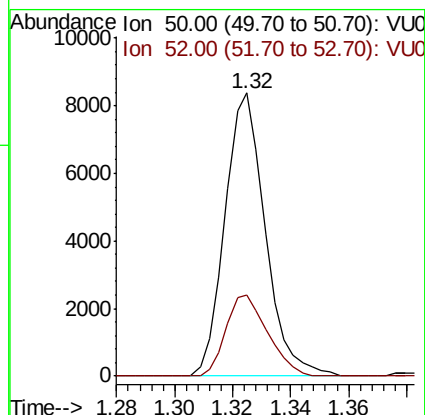
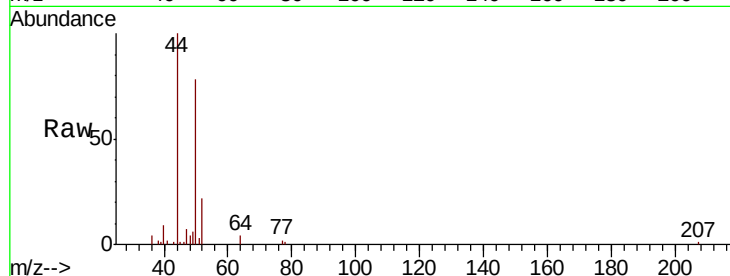
BF2M2RE

Tgt Ion: 50 Resp: 8063

Ion Ratio Lower Upper

50 100

52 28.9 23.0 42.6



#10

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

Concen: 0.664 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030682.D

Acq: 04 Apr 2019 13:24

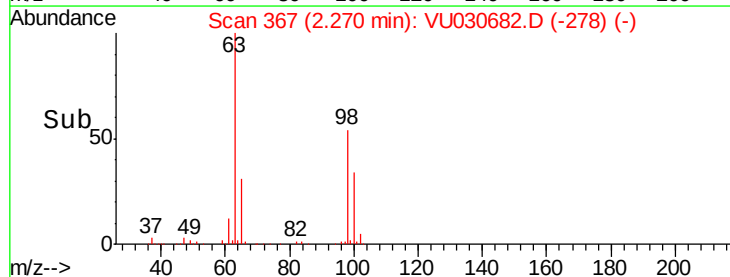
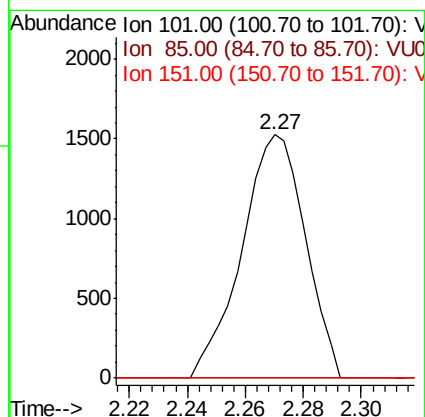
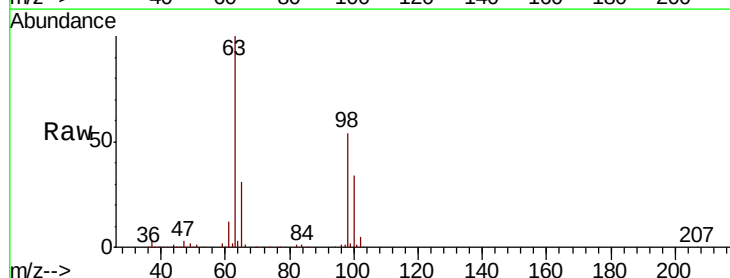
Tgt Ion: 101 Resp: 2320

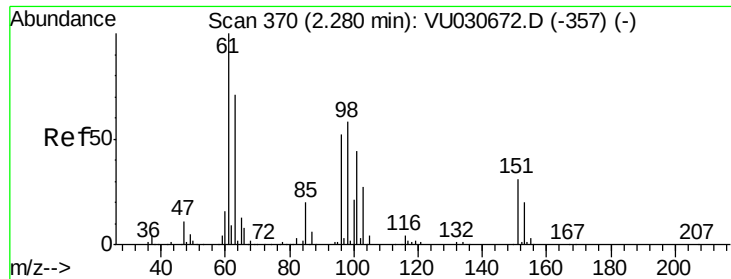
Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 2.1 56.6 85.0#

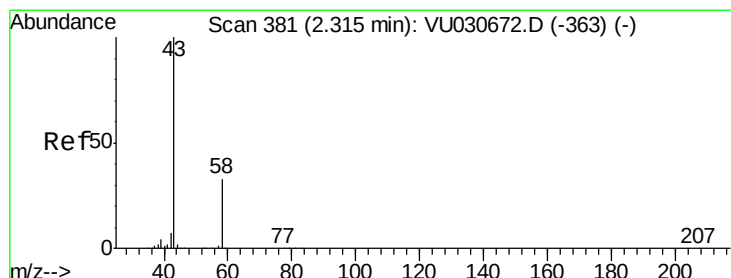
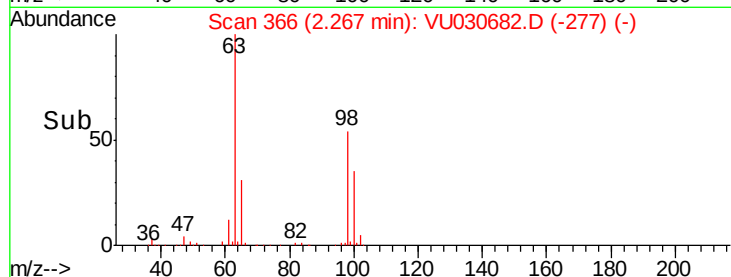
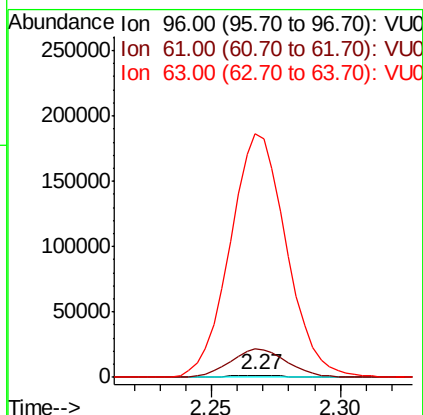
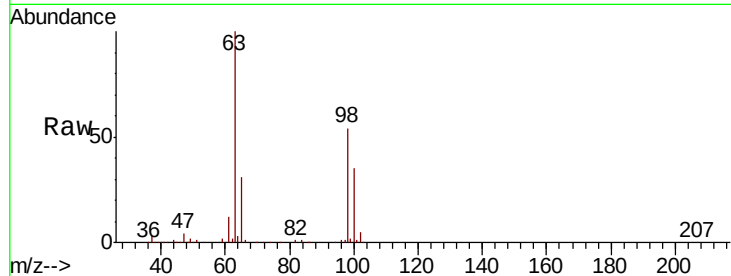




#12
 1,1-Dichloroethene
 Concen: 0.739 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VU030682.D
 Acq: 04 Apr 2019 13:24

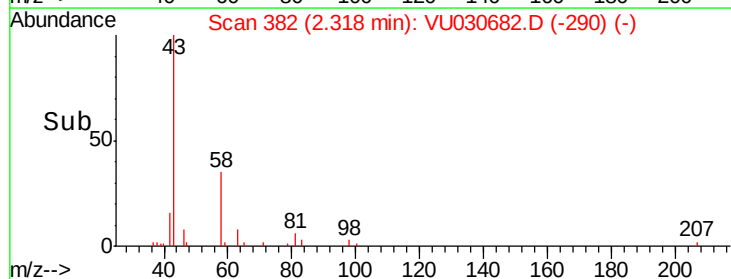
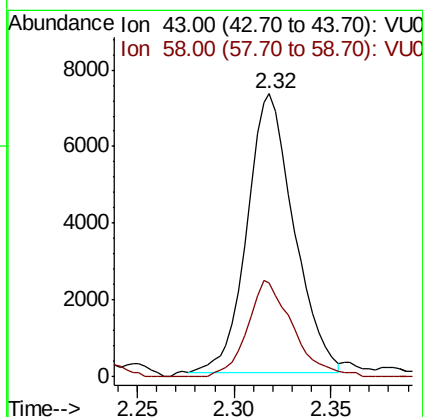
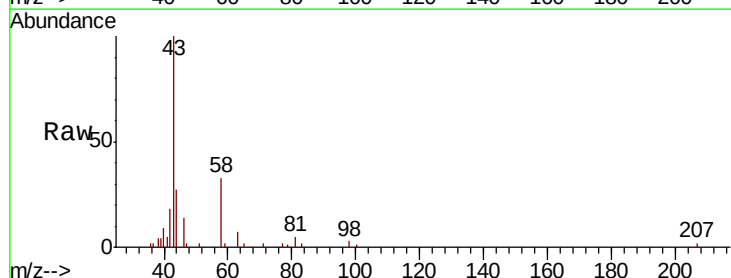
Instrument :
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 BF2M2RE

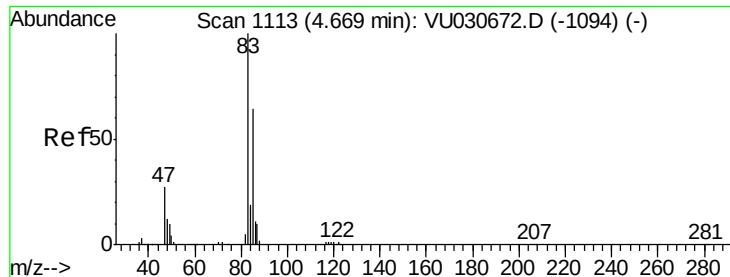
Tgt Ion: 96 Resp: 2532
 Ion Ratio Lower Upper
 96 100
 61 1416.2 131.0 243.4#
 63 12232.7 92.4 171.6#



#13
 Acetone
 Concen: 3.344 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VU030682.D
 Acq: 04 Apr 2019 13:24

Tgt Ion: 43 Resp: 12257
 Ion Ratio Lower Upper
 43 100
 58 33.3 0.0 62.8

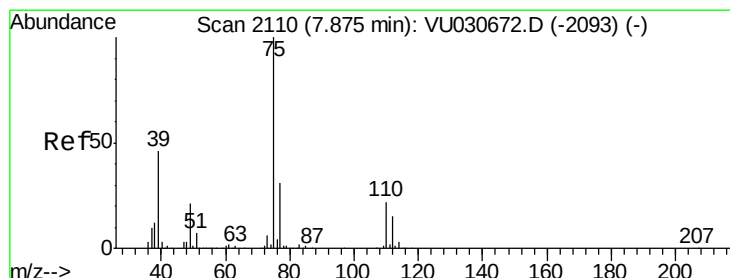
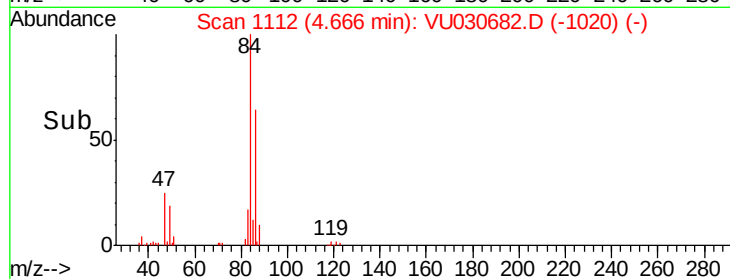
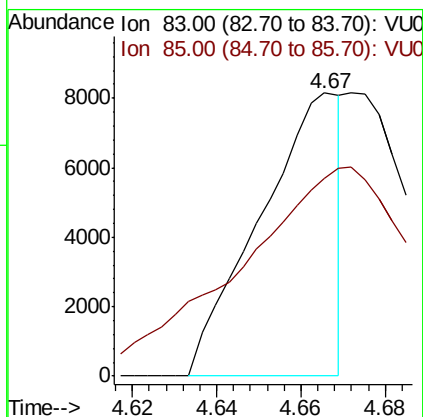
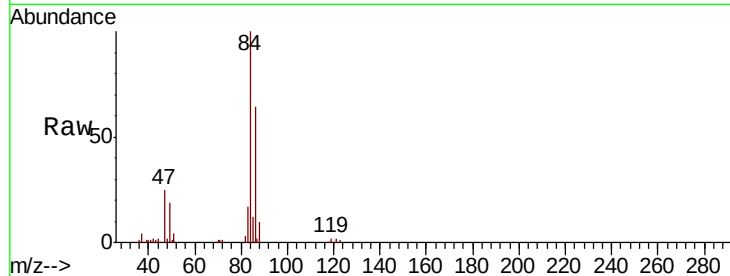




#25
Chloroform
Concen: 1.542 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU030682.D
Acq: 04 Apr 2019 13:24

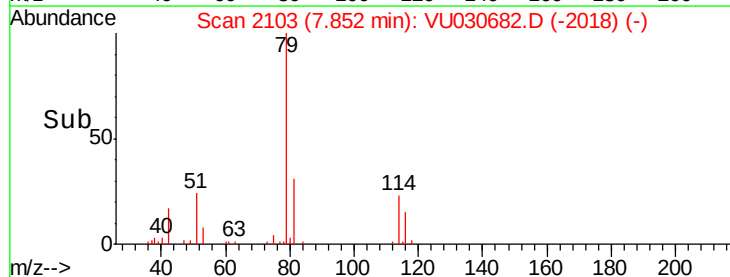
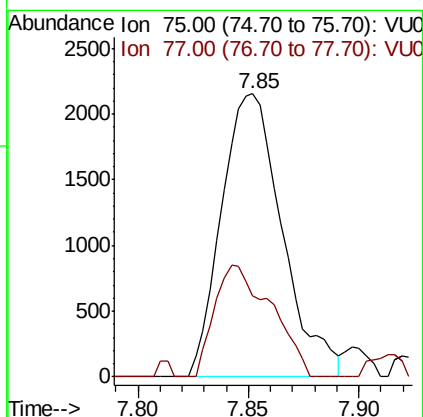
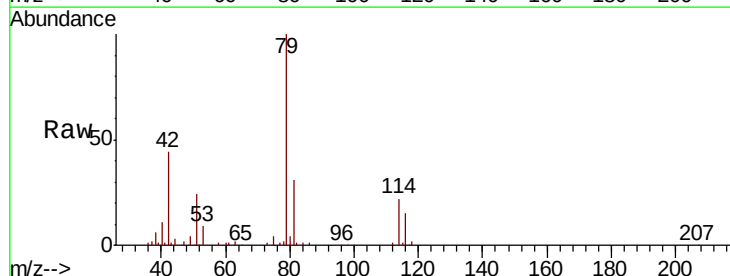
Instrument :
MSVOA_U
ClientSampleId :
BF2M2RE

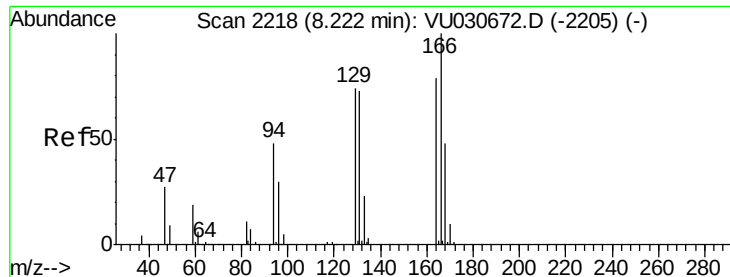
Tgt Ion: 83 Resp: 10814
Ion Ratio Lower Upper
83 100
85 70.0 44.4 82.4



#44
trans-1,3-Dichloropropene
Concen: 0.709 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. -0.03 min
Lab File: VU030682.D
Acq: 04 Apr 2019 13:24

Tgt Ion: 75 Resp: 4119
Ion Ratio Lower Upper
75 100
77 28.5 22.0 40.8





#46

Tetrachloroethene

Concen: 26.847 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030682.D

Acq: 04 Apr 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

BF2M2RE

Tgt Ion:164 Resp: 74621

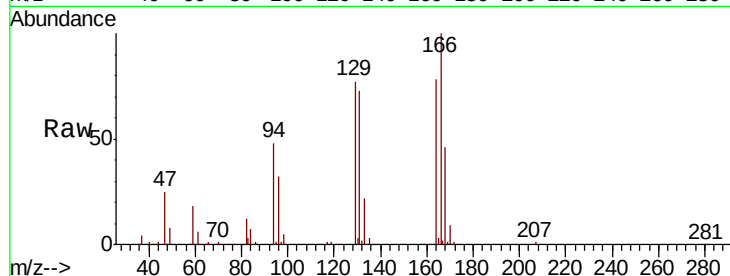
Ion Ratio Lower Upper

164 100

129 99.1 68.1 126.5

131 93.9 67.7 125.7

166 128.8 92.4 171.6

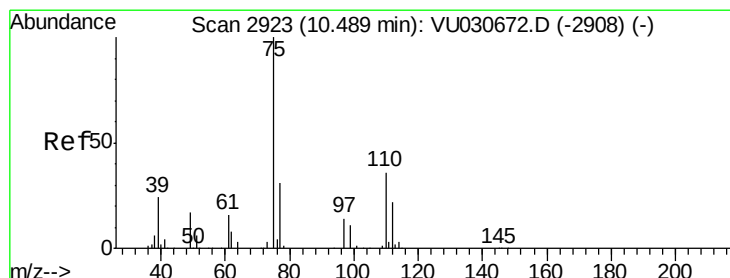
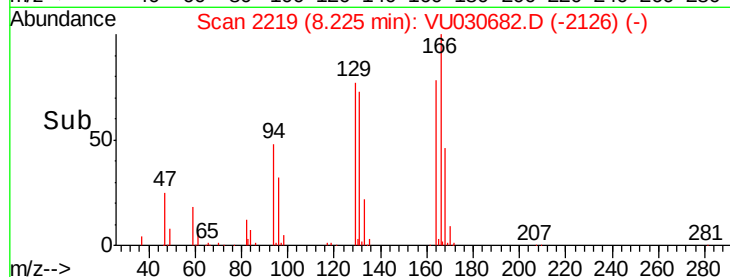
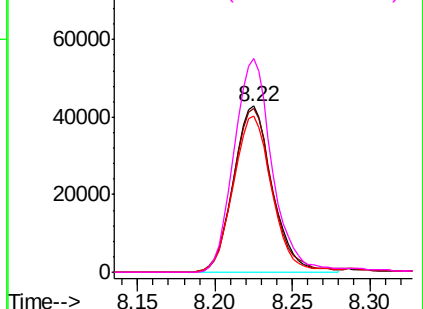


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 4.781 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030682.D

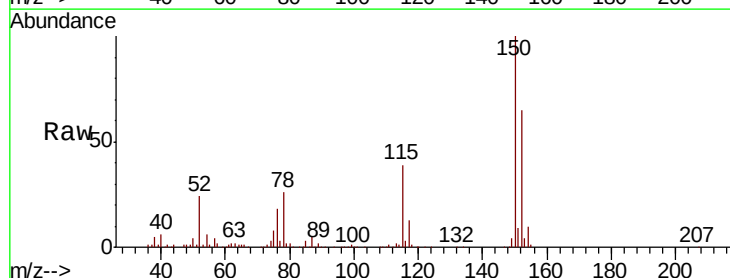
Acq: 04 Apr 2019 13:24

Tgt Ion: 75 Resp: 26734

Ion Ratio Lower Upper

75 100

77 35.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

