

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
 Data File : VU029930.D
 Acq On : 09 Mar 2019 19:11
 Operator : JC/SP
 Sample : K1838-03
 Misc : 5.47g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0S4

Quant Time: Mar 11 02:26:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 02:20:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	572016	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	575036	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	298308	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	293965	84.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	168.46%#
7) Chloroethane-d5	1.64	69	117551	40.07	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.14%
11) 1,1-Dichloroethene-d2	2.22	63	413744	62.89	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	125.78%#
21) 2-Butanone-d5	4.20	46	455879	168.60	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	168.60%#
24) Chloroform-d	4.64	84	535544	78.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	157.70%#
26) 1,2-Dichloroethane-d4	5.30	65	329498	82.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	165.60%#
32) Benzene-d6	5.33	84	1188293	82.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	165.86%#
36) 1,2-Dichloropropane-d6	6.32	67	357002	82.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	164.96%#
41) Toluene-d8	7.56	98	1112501	80.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	161.82%#
43) trans-1,3-Dichloropropene-	7.85	79	169370	80.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	161.72%#
47) 2-Hexanone-d5	8.32	63	427664	183.64	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	183.64%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	596105	87.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	174.46%#
64) 1,2-Dichlorobenzene-d4	11.86	152	489218	83.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	167.24%#

Target Compounds

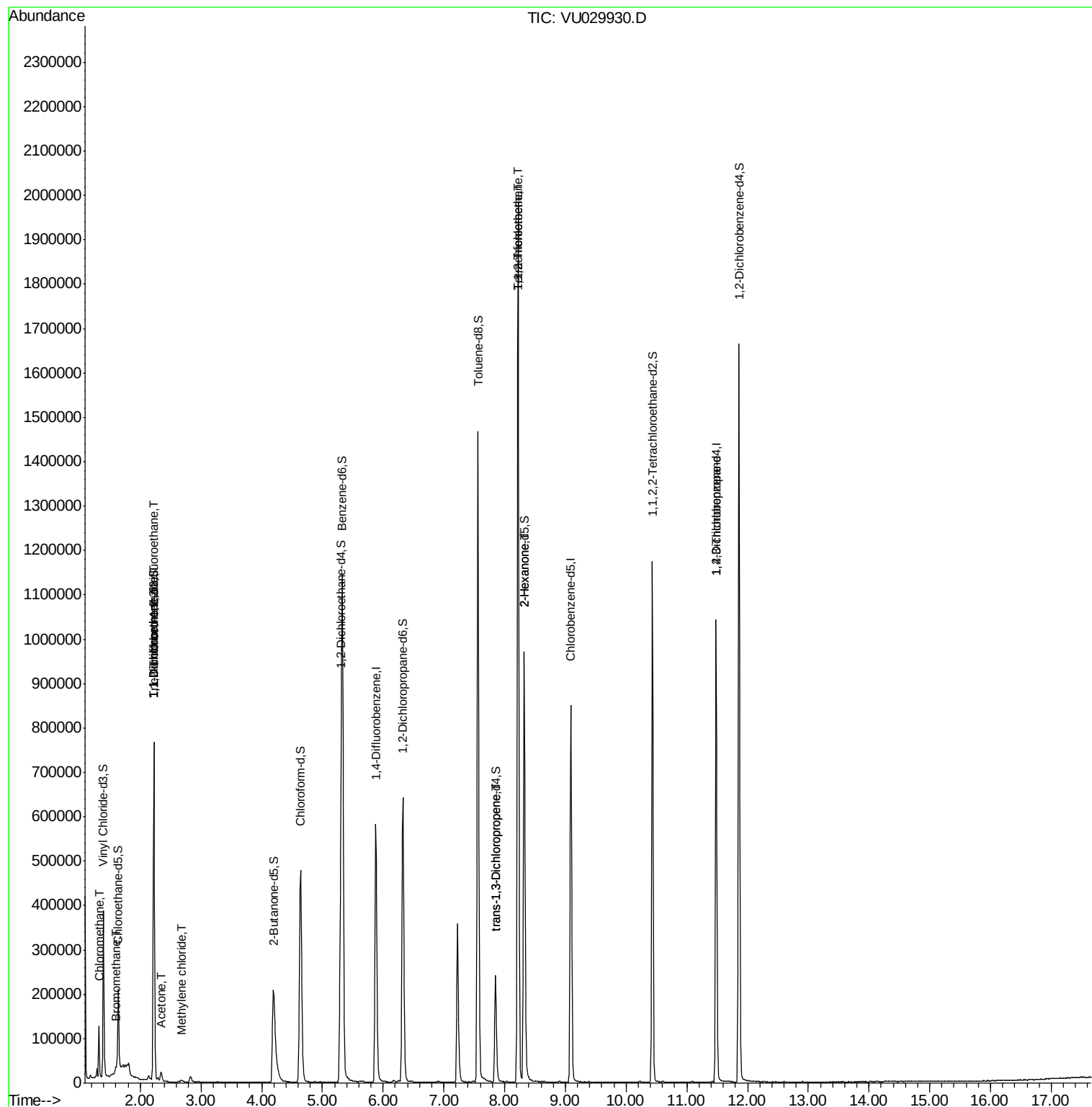
					Qvalue
3) Chloromethane	1.32	50	82380	14.267 ug/L	98
6) Bromomethane	1.60	94	3969	3.347 ug/L	91
9) Trichlorofluoromethane	2.23	101	4555	0.769 ug/L #	48
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	4555	1.249 ug/L #	20
12) 1,1-Dichloroethene	2.22	96	4271	1.207 ug/L #	1
13) Acetone	2.36	43	1840	0.624 ug/L	77
16) Methylene chloride	2.68	84	2539	0.612 ug/L #	76
44) trans-1,3-Dichloropropene	7.85	75	6605	1.217 ug/L	96
45) 1,1,2-Trichloroethane	8.22	97	3499	0.861 ug/L #	1
46) Tetrachloroethene	8.22	164	489944	137.415 ug/L	97
48) 2-Hexanone	8.32	43	41693	9.240 ug/L #	64
59) 1,2,3-Trichloropropane	11.48	75	30557	5.759 ug/L	93

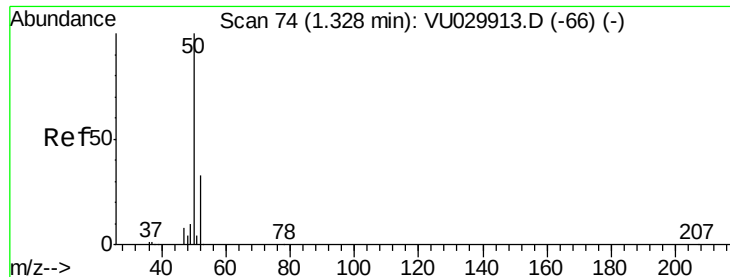
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 14.267 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.01 min

Lab File: VU029930.D

Acq: 09 Mar 2019 19:11

Instrument :

MSVOA_U

ClientSampleId :

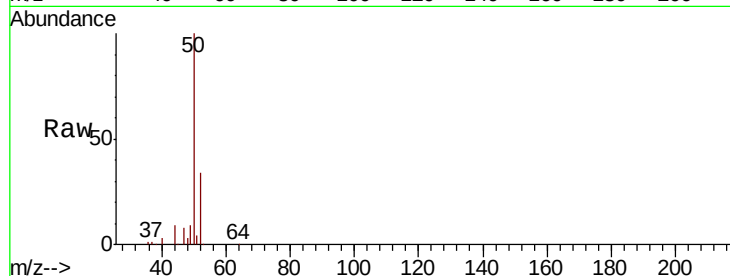
BF0S4

Tgt Ion: 50 Resp: 82380

Ion Ratio Lower Upper

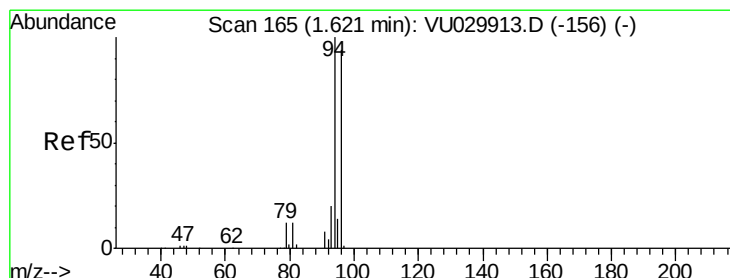
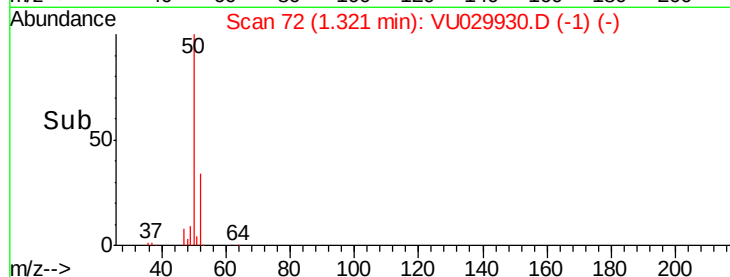
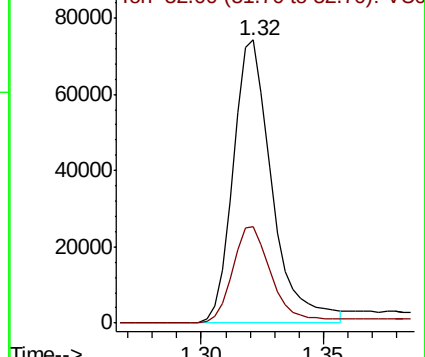
50 100

52 34.1 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#6

Bromomethane

Concen: 3.347 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU029930.D

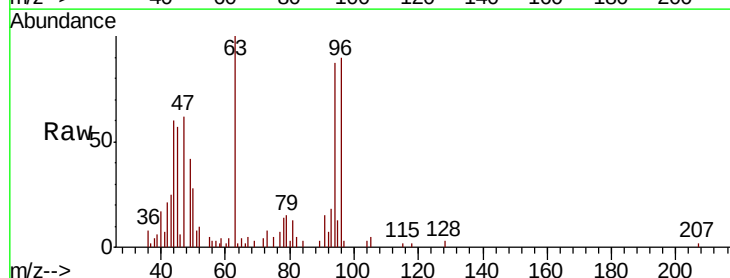
Acq: 09 Mar 2019 19:11

Tgt Ion: 94 Resp: 3969

Ion Ratio Lower Upper

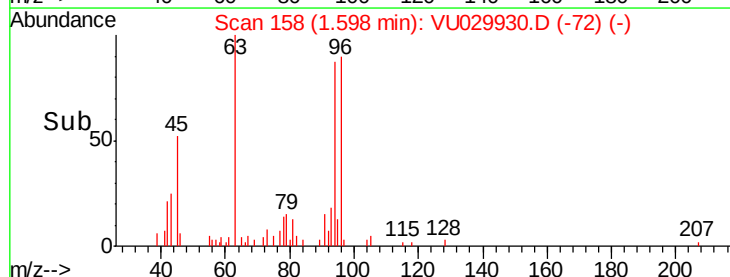
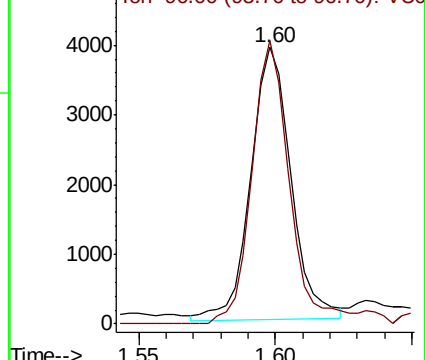
94 100

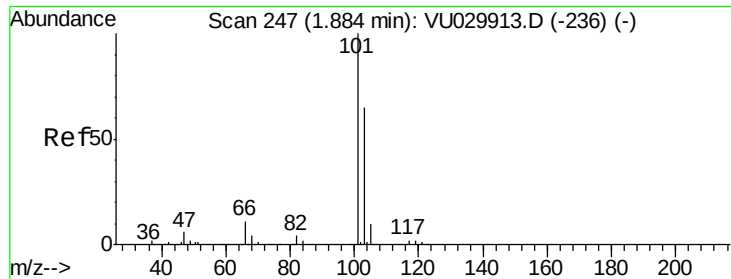
96 102.4 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



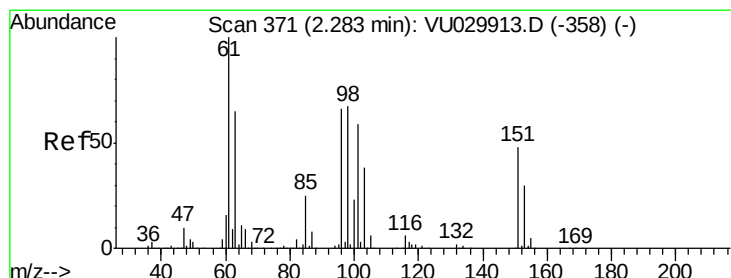
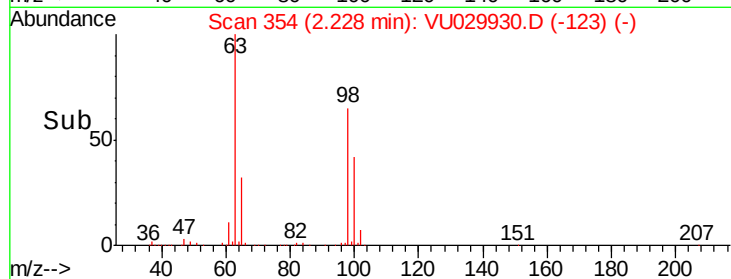
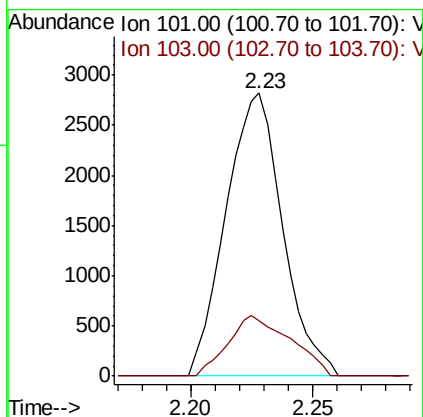
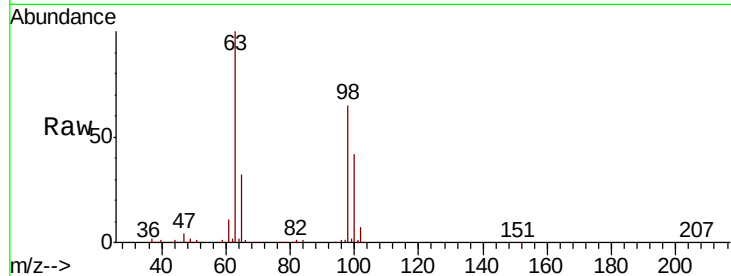


#9

Trichlorofluoromethane
 Concen: 0.769 ug/L
 RT: 2.23 min Scan# 354
 Delta R.T. 0.34 min
 Lab File: VU029930.D
 Acq: 09 Mar 2019 19:11

Instrument :
 MSVOA_U
 ClientSampled :
 BF0S4

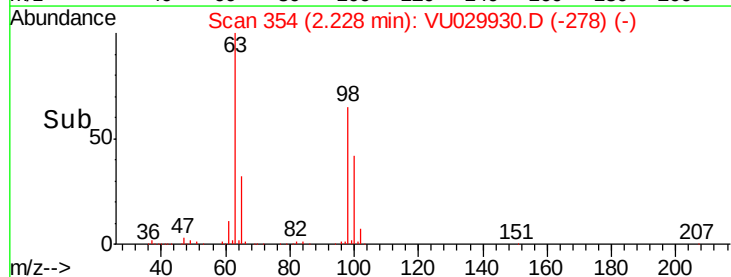
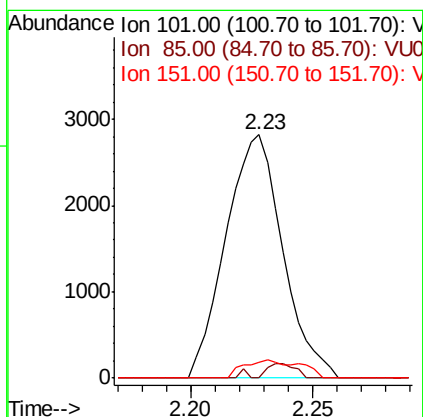
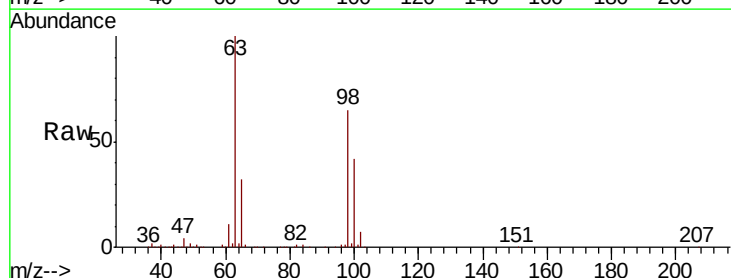
Tgt Ion:101 Resp: 4555
 Ion Ratio Lower Upper
 101 100
 103 23.6 51.4 77.2#

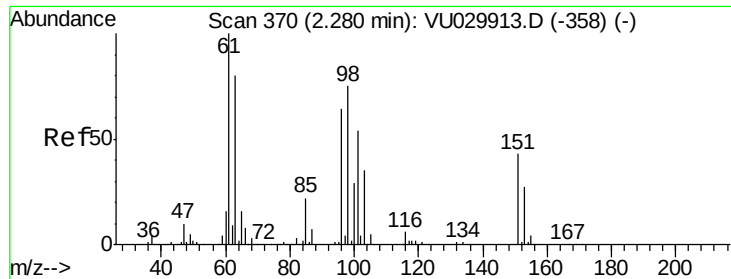


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.249 ug/L
 RT: 2.23 min Scan# 354
 Delta R.T. -0.05 min
 Lab File: VU029930.D
 Acq: 09 Mar 2019 19:11

Tgt Ion:101 Resp: 4555
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.4 50.2#
 151 4.9 65.8 98.6#

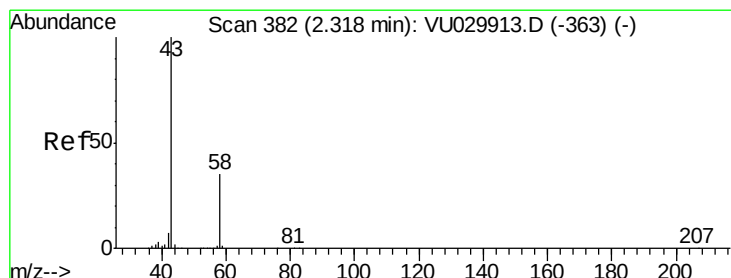
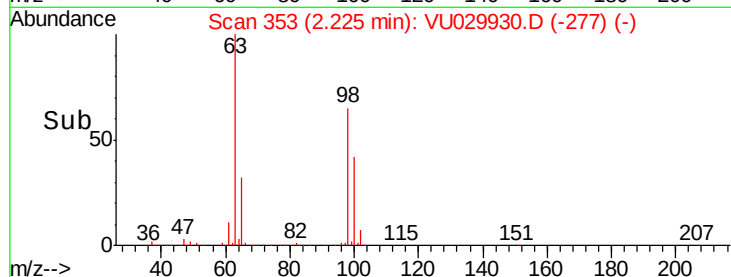
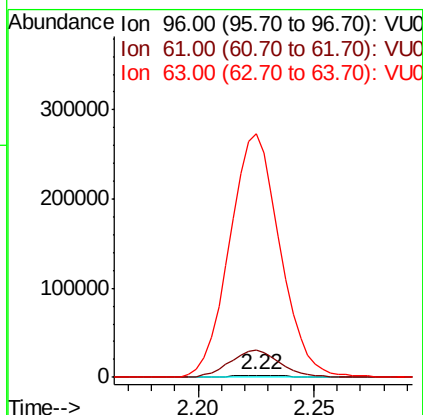
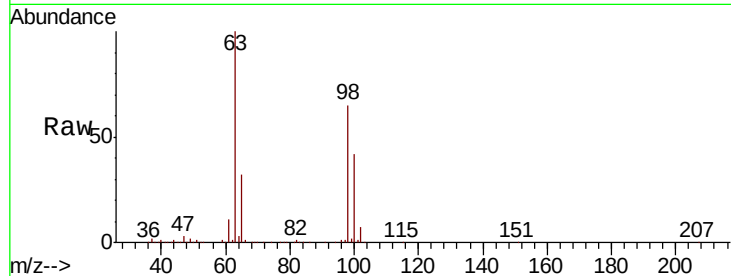




#12
 1,1-Dichloroethene
 Concen: 1.207 ug/L
 RT: 2.22 min Scan# 353
 Delta R.T. -0.05 min
 Lab File: VU029930.D
 Acq: 09 Mar 2019 19:11

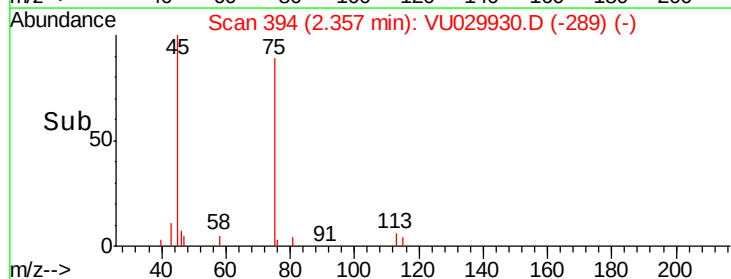
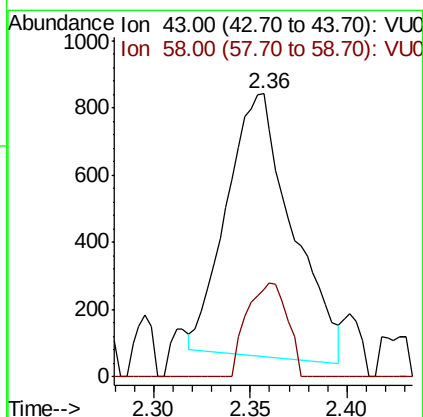
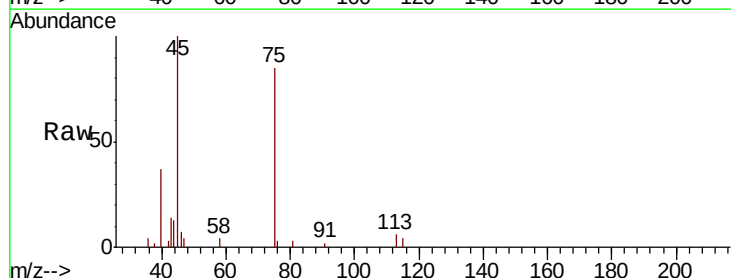
Instrument :
 MSVOA_U
 ClientSampled :
 BF0S4

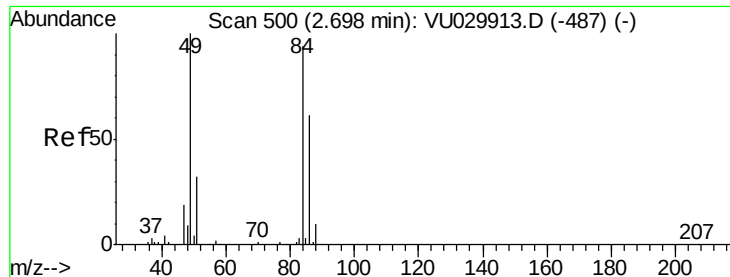
Tgt Ion: 96 Resp: 4271
 Ion Ratio Lower Upper
 96 100
 61 1216.2 109.0 202.4#
 63 11047.2 88.1 163.5#



#13
 Acetone
 Concen: 0.624 ug/L
 RT: 2.36 min Scan# 394
 Delta R.T. 0.04 min
 Lab File: VU029930.D
 Acq: 09 Mar 2019 19:11

Tgt Ion: 43 Resp: 1840
 Ion Ratio Lower Upper
 43 100
 58 21.9 0.0 70.2

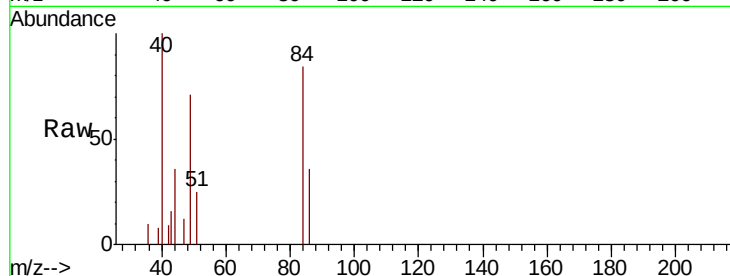




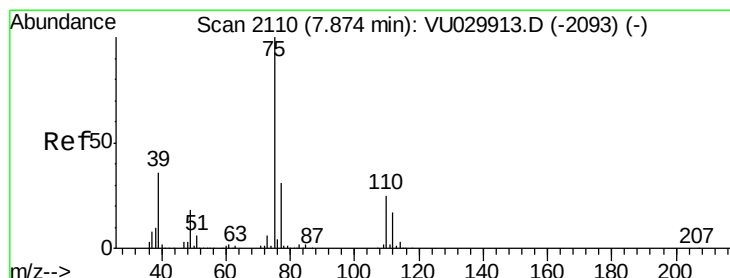
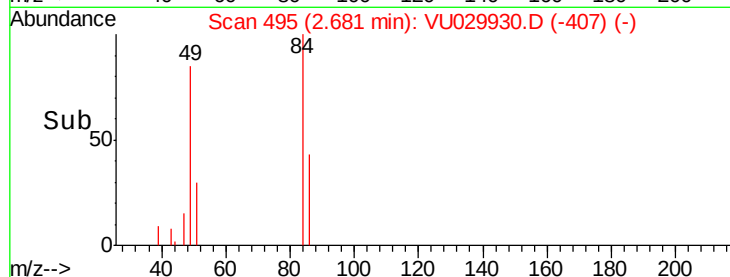
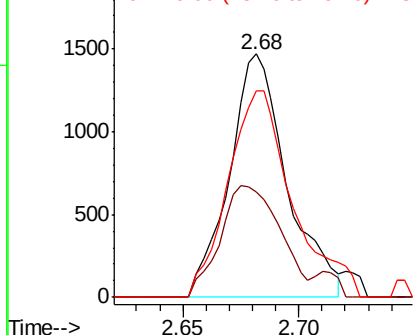
#16
Methylene chloride
Concen: 0.612 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.02 min
Lab File: VU029930.D
Acq: 09 Mar 2019 19:11

Instrument :
MSVOA_U
ClientSampleId :
BF0S4

Tgt Ion: 84 Resp: 2539
Ion Ratio Lower Upper
84 100
86 43.2 45.3 84.1#
49 84.6 74.8 139.0

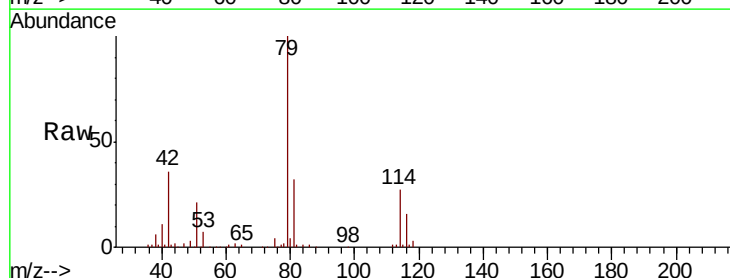


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

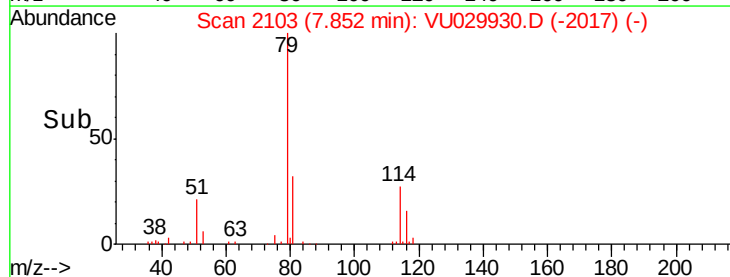
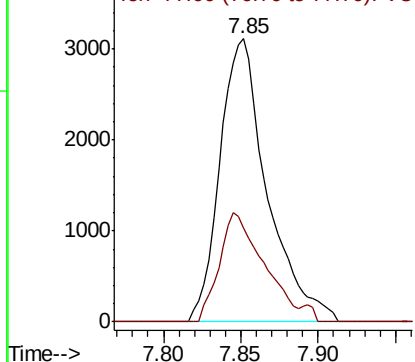


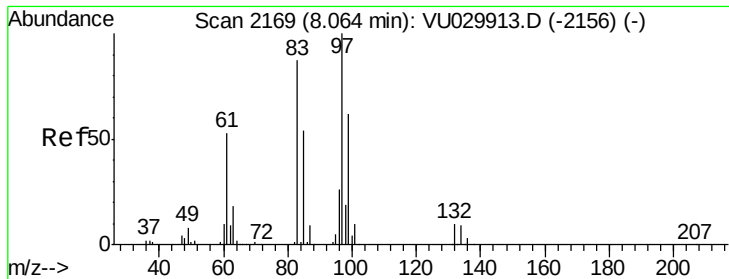
#44
trans-1,3-Dichloropropene
Concen: 1.217 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. -0.02 min
Lab File: VU029930.D
Acq: 09 Mar 2019 19:11

Tgt Ion: 75 Resp: 6605
Ion Ratio Lower Upper
75 100
77 33.4 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 0.861 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU029930.D

Acq: 09 Mar 2019 19:11

Instrument :

MSVOA_U

ClientSampleId :

BF0S4

Tgt Ion: 97 Resp: 3499

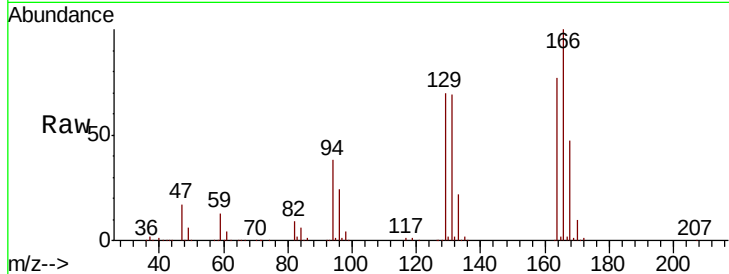
Ion Ratio Lower Upper

97 100

99 12.8 43.7 81.1#

83 284.1 60.8 112.8#

85 54.9 38.1 70.7

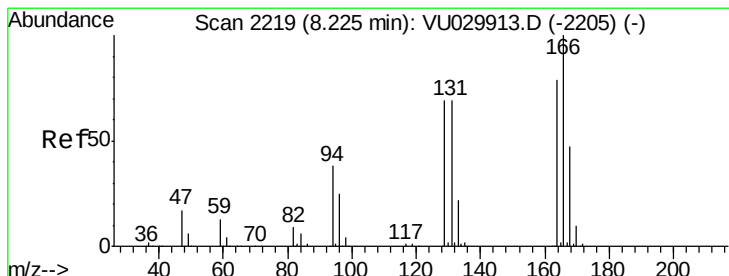
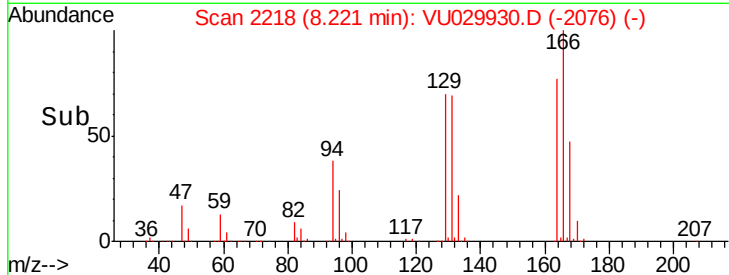
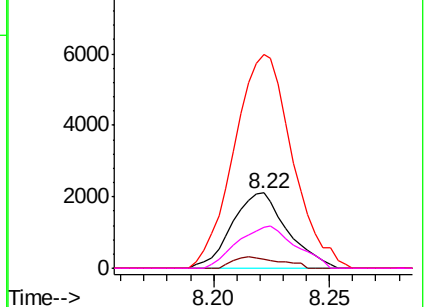


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 137.415 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU029930.D

Acq: 09 Mar 2019 19:11

Tgt Ion:164 Resp: 489944

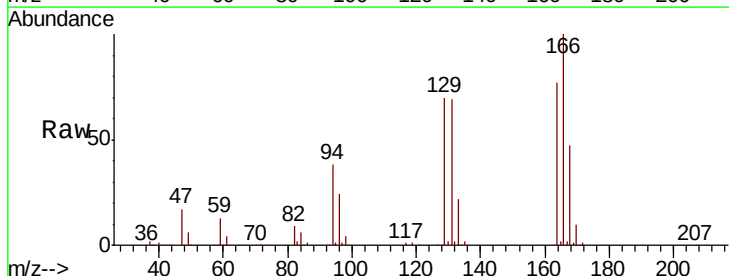
Ion Ratio Lower Upper

164 100

129 91.1 61.0 113.2

131 88.8 60.5 112.3

166 129.4 88.3 163.9

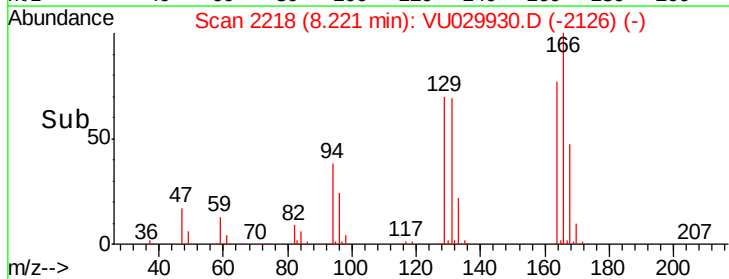
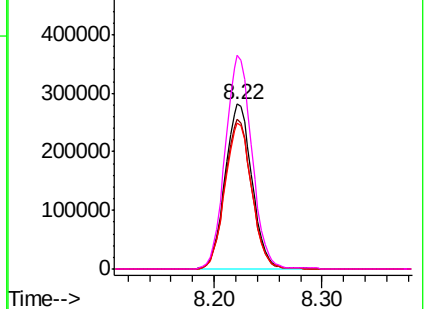


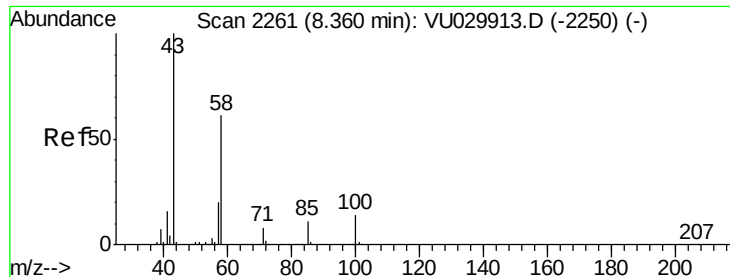
Abundance Ion 164.00 (163.70 to 164.70): V

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

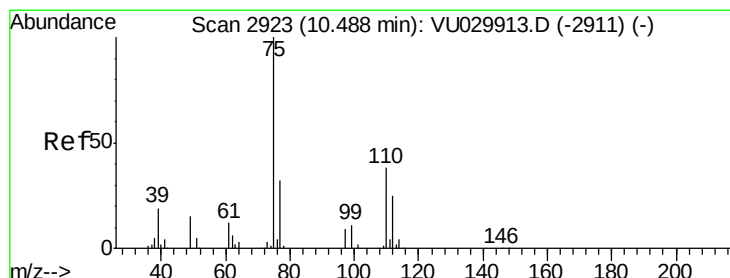
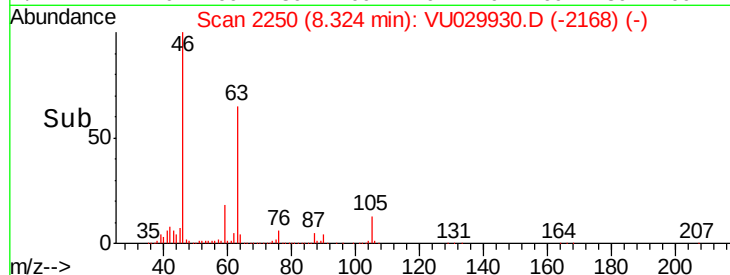
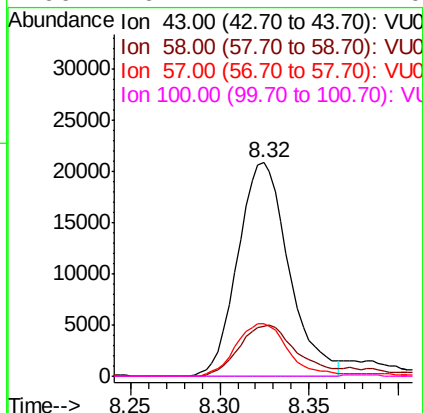
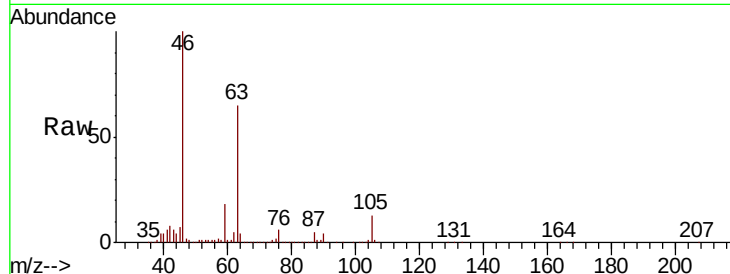




#48
 2-Hexanone
 Concen: 9.240 ug/L
 RT: 8.32 min Scan# 2250
 Delta R.T. -0.04 min
 Lab File: VU029930.D
 Acq: 09 Mar 2019 19:11

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0S4

Tgt Ion: 43 Resp: 41693
 Ion Ratio Lower Upper
 43 100
 58 26.9 49.2 73.8#
 57 25.2 16.6 25.0#
 100 0.2 11.4 17.0#



#59
 1,2,3-Trichloropropane
 Concen: 5.759 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU029930.D
 Acq: 09 Mar 2019 19:11

Tgt Ion: 75 Resp: 30557
 Ion Ratio Lower Upper
 75 100
 77 36.3 26.1 39.1

