

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
 Data File : VU029925.D
 Acq On : 09 Mar 2019 17:15
 Operator : JC/SP
 Sample : K1789-19
 Misc : 5.76g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0Q2

Quant Time: Mar 11 02:25:44 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	565818	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	562207	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	297282	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	149459	43.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.58%
7) Chloroethane-d5	1.64	69	62858	21.66	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	43.32%#
11) 1,1-Dichloroethene-d2	2.23	63	208702	32.07	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.14%
21) 2-Butanone-d5	4.19	46	225154	84.18	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.18%
24) Chloroform-d	4.64	84	266210	39.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.24%
26) 1,2-Dichloroethane-d4	5.30	65	166584	42.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.64%
32) Benzene-d6	5.33	84	596707	42.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.18%
36) 1,2-Dichloropropane-d6	6.32	67	178408	42.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.32%
41) Toluene-d8	7.56	98	544505	40.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	7.85	79	81226	39.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.32%
47) 2-Hexanone-d5	8.32	63	209318	91.93	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	305486	45.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	246422	42.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.52%

Target Compounds

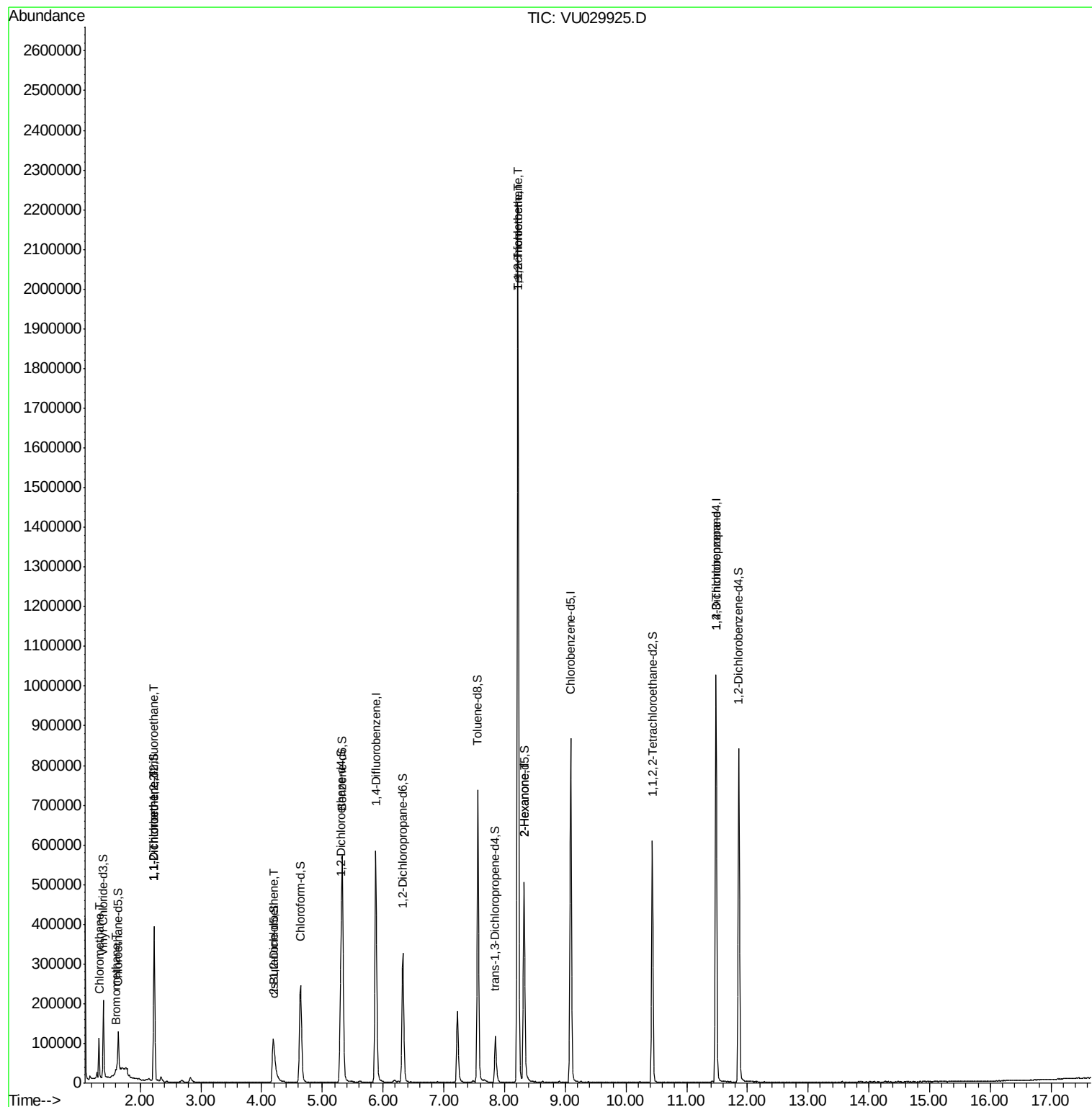
					Qvalue
3) Chloromethane	1.32	50	76029	13.312	ug/L 99
6) Bromomethane	1.60	94	3473	2.961	ug/L 91
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	2412	0.669	ug/L # 26
12) 1,1-Dichloroethene	2.23	96	2180	0.623	ug/L # 1
20) cis-1,2-Dichloroethene	4.21	96	2324	0.549	ug/L 96
45) 1,1,2-Trichloroethane	8.22	97	3859	0.971	ug/L # 1
46) Tetrachloroethene	8.22	164	538216	154.398	ug/L 97
48) 2-Hexanone	8.32	43	20948	4.748	ug/L # 64
59) 1,2,3-Trichloropropane	11.48	75	31280	6.029	ug/L 98

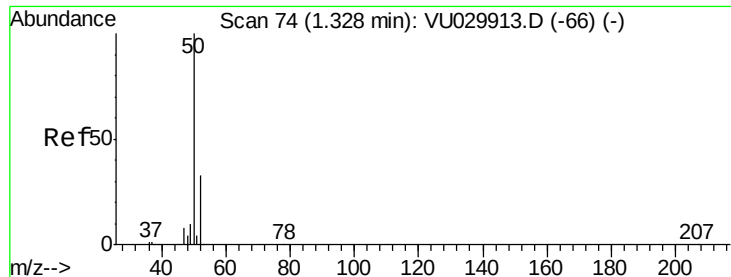
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 13.312 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.01 min

Lab File: VU029925.D

Acq: 09 Mar 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

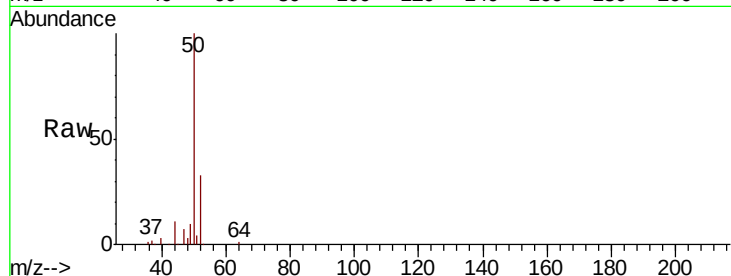
BF0Q2

Tgt Ion: 50 Resp: 76029

Ion Ratio Lower Upper

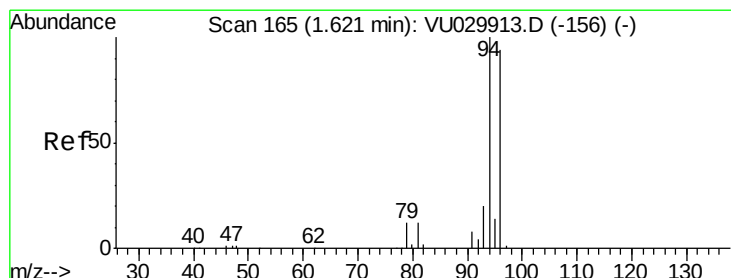
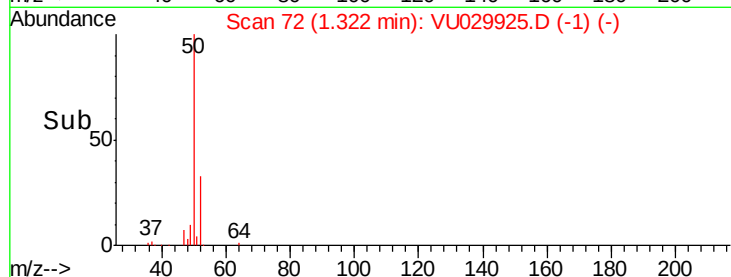
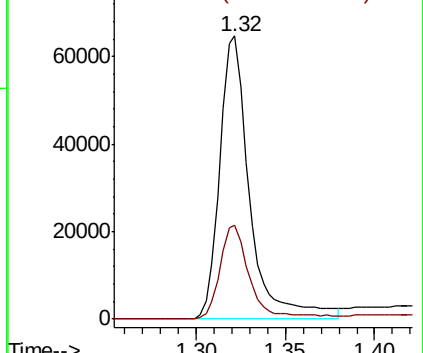
50 100

52 33.4 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: 2.961 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU029925.D

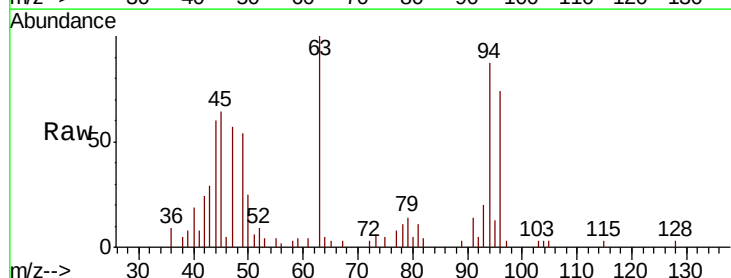
Acq: 09 Mar 2019 17:15

Tgt Ion: 94 Resp: 3473

Ion Ratio Lower Upper

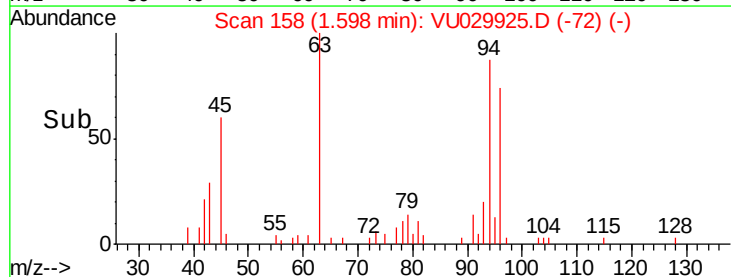
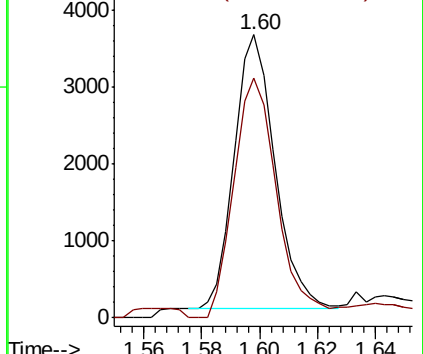
94 100

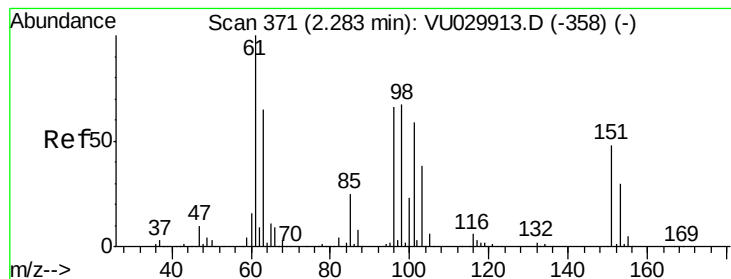
96 84.8 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#10

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

Concen: 0.669 ug/L

RT: 2.23 min Scan# 355

Delta R.T. -0.05 min

Lab File: VU029925.D

Acq: 09 Mar 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

BF0Q2

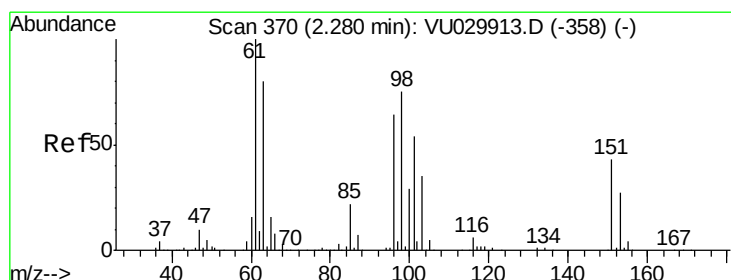
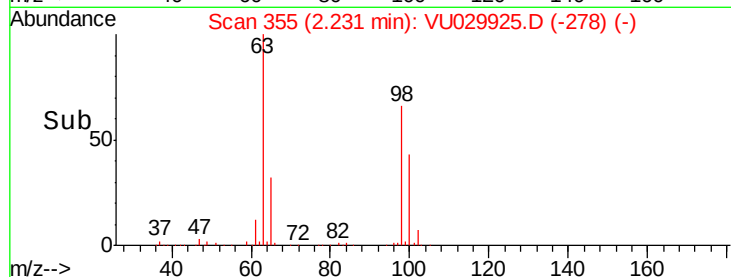
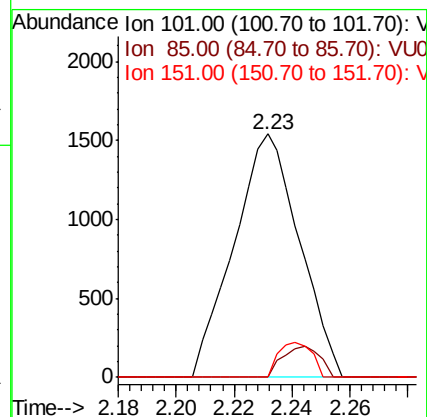
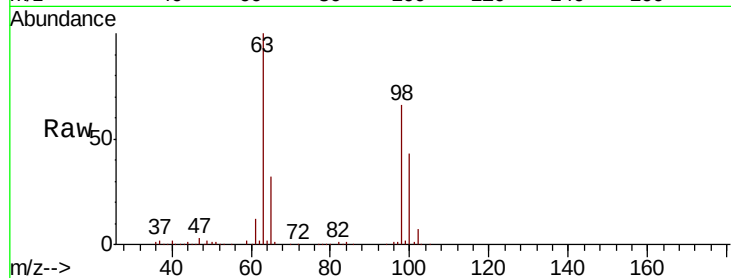
Tgt Ion: 101 Resp: 2412

Ion Ratio Lower Upper

101 100

85 7.3 33.4 50.2#

151 7.3 65.8 98.6#



#12

1,1-Dichloroethene

Concen: 0.623 ug/L

RT: 2.23 min Scan# 355

Delta R.T. -0.05 min

Lab File: VU029925.D

Acq: 09 Mar 2019 17:15

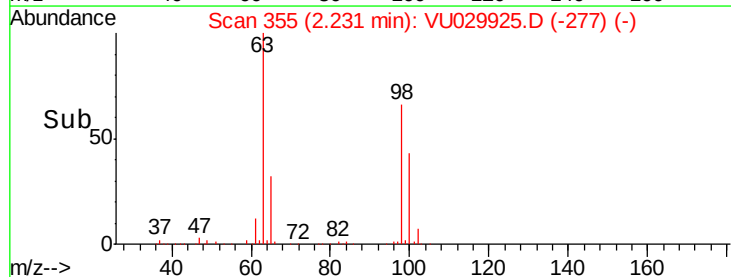
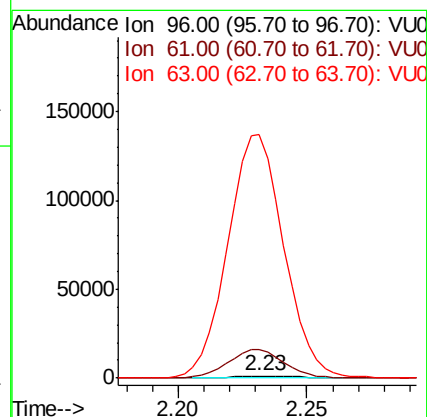
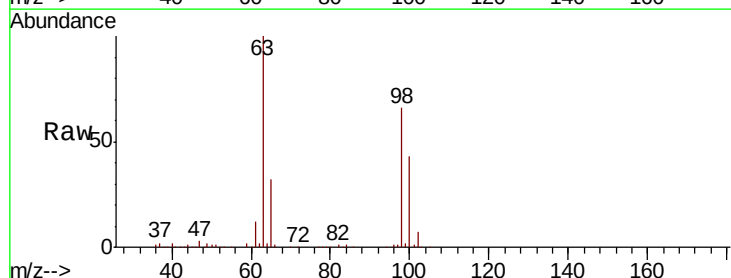
Tgt Ion: 96 Resp: 2180

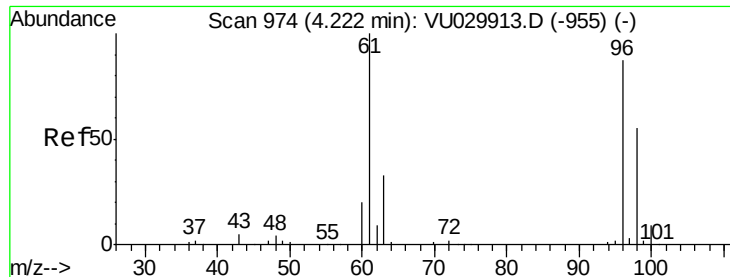
Ion Ratio Lower Upper

96 100

61 1255.1 109.0 202.4#

63 10688.3 88.1 163.5#

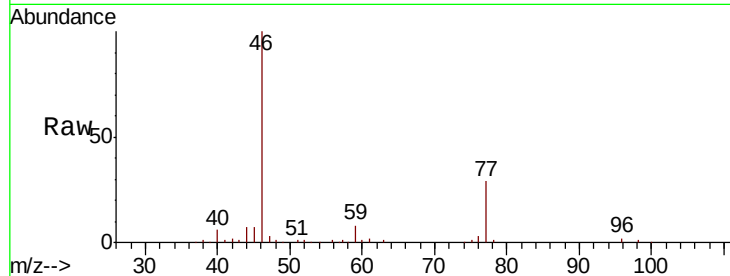




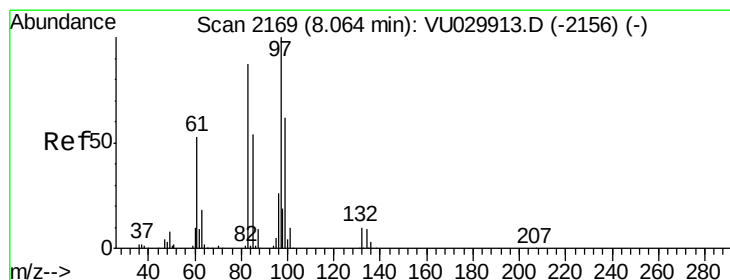
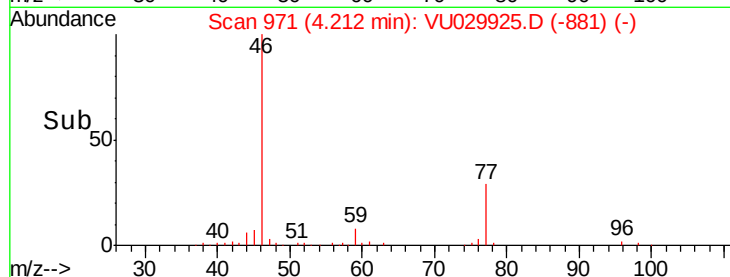
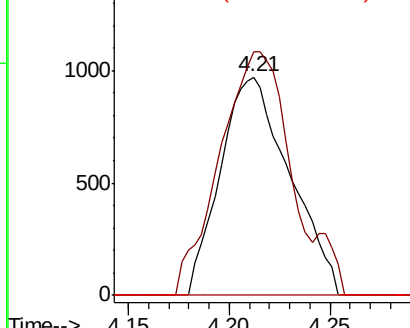
#20
 cis-1,2-Dichloroethene
 Concen: 0.549 ug/L
 RT: 4.21 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: VU029925.D
 Acq: 09 Mar 2019 17:15

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0Q2

Tgt Ion: 96 Resp: 2324
 Ion Ratio Lower Upper
 96 100
 61 111.2 80.6 149.8
 68 0.0 0.0 0.0

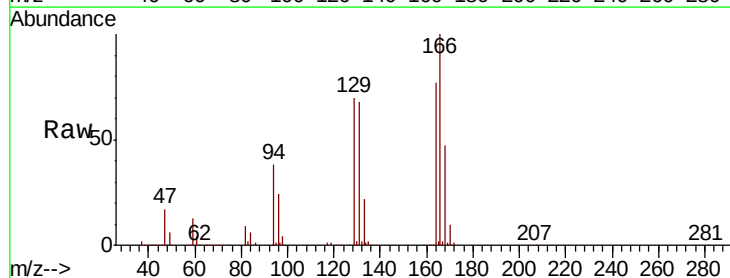


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

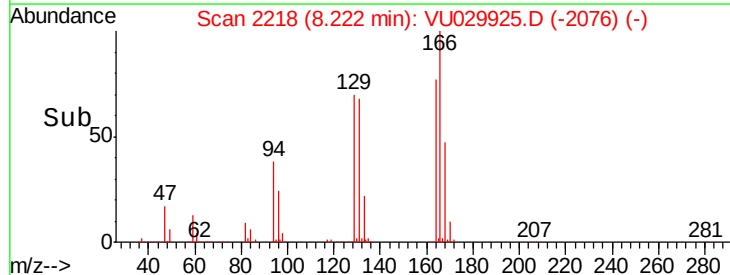
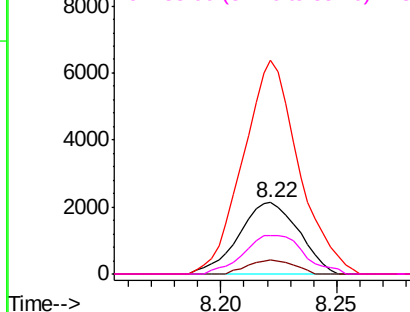


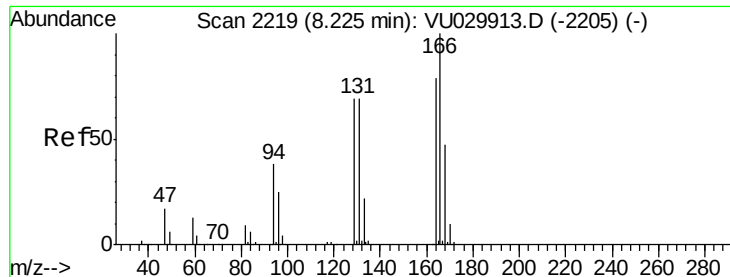
#45
 1,1,2-Trichloroethane
 Concen: 0.971 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.16 min
 Lab File: VU029925.D
 Acq: 09 Mar 2019 17:15

Tgt Ion: 97 Resp: 3859
 Ion Ratio Lower Upper
 97 100
 99 19.2 43.7 81.1#
 83 299.2 60.8 112.8#
 85 53.8 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: 154.398 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU029925.D

Acq: 09 Mar 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

BF0Q2

Tgt Ion:164 Resp: 538216

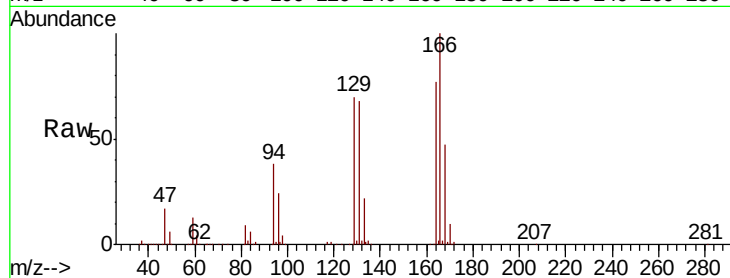
Ion Ratio Lower Upper

164 100

129 90.2 61.0 113.2

131 88.6 60.5 112.3

166 129.7 88.3 163.9



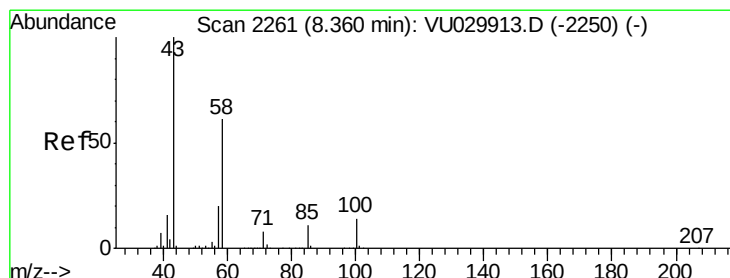
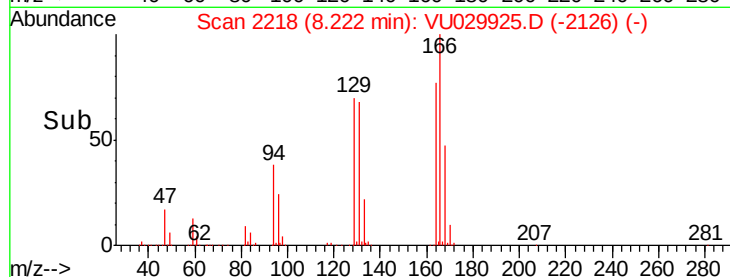
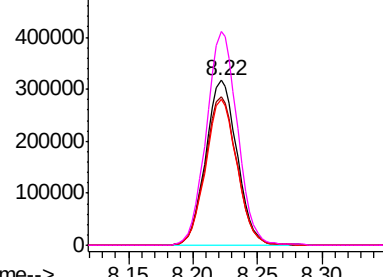
Abundance

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: 4.748 ug/L

RT: 8.32 min Scan# 2249

Delta R.T. -0.04 min

Lab File: VU029925.D

Acq: 09 Mar 2019 17:15

Tgt Ion: 43 Resp: 20948

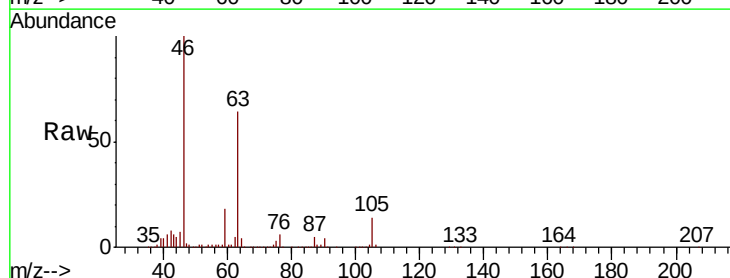
Ion Ratio Lower Upper

43 100

58 27.7 49.2 73.8#

57 14.4 16.6 25.0#

100 0.3 11.4 17.0#



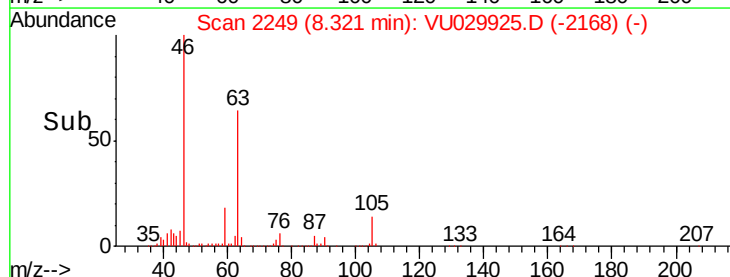
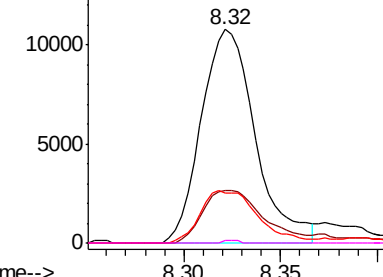
Abundance

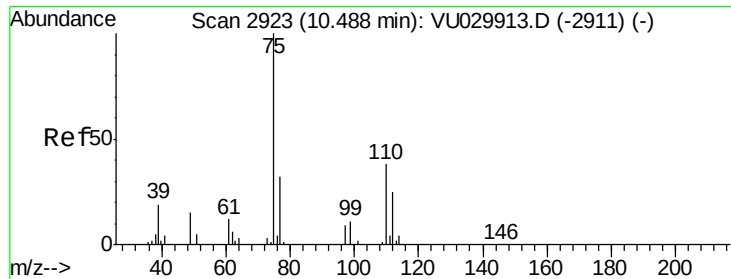
Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 6.029 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029925.D

Acq: 09 Mar 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

BF0Q2

Tgt Ion: 75 Resp: 31280

Ion Ratio Lower Upper

75 100

77 33.8 26.1 39.1

