

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
 Data File : VU029928.D
 Acq On : 09 Mar 2019 18:25
 Operator : JC/SP
 Sample : K1838-01
 Misc : 5.24g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0S2

Quant Time: Mar 11 02:26:04 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	565162	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	553638	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	287701	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	140091	40.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.26%
7) Chloroethane-d5	1.64	69	54946	18.95	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	37.90%#
11) 1,1-Dichloroethene-d2	2.23	63	197573	30.40	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.80%
21) 2-Butanone-d5	4.20	46	220341	82.48	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.48%
24) Chloroform-d	4.64	84	254838	37.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.94%
26) 1,2-Dichloroethane-d4	5.30	65	158948	40.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.86%
32) Benzene-d6	5.33	84	565924	41.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.04%
36) 1,2-Dichloropropane-d6	6.32	67	171702	41.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.40%
41) Toluene-d8	7.56	98	516121	38.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.98%#
43) trans-1,3-Dichloropropene-	7.85	79	76954	38.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.32%
47) 2-Hexanone-d5	8.32	63	198633	88.59	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.59%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	279346	42.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	229632	40.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.40%

Target Compounds

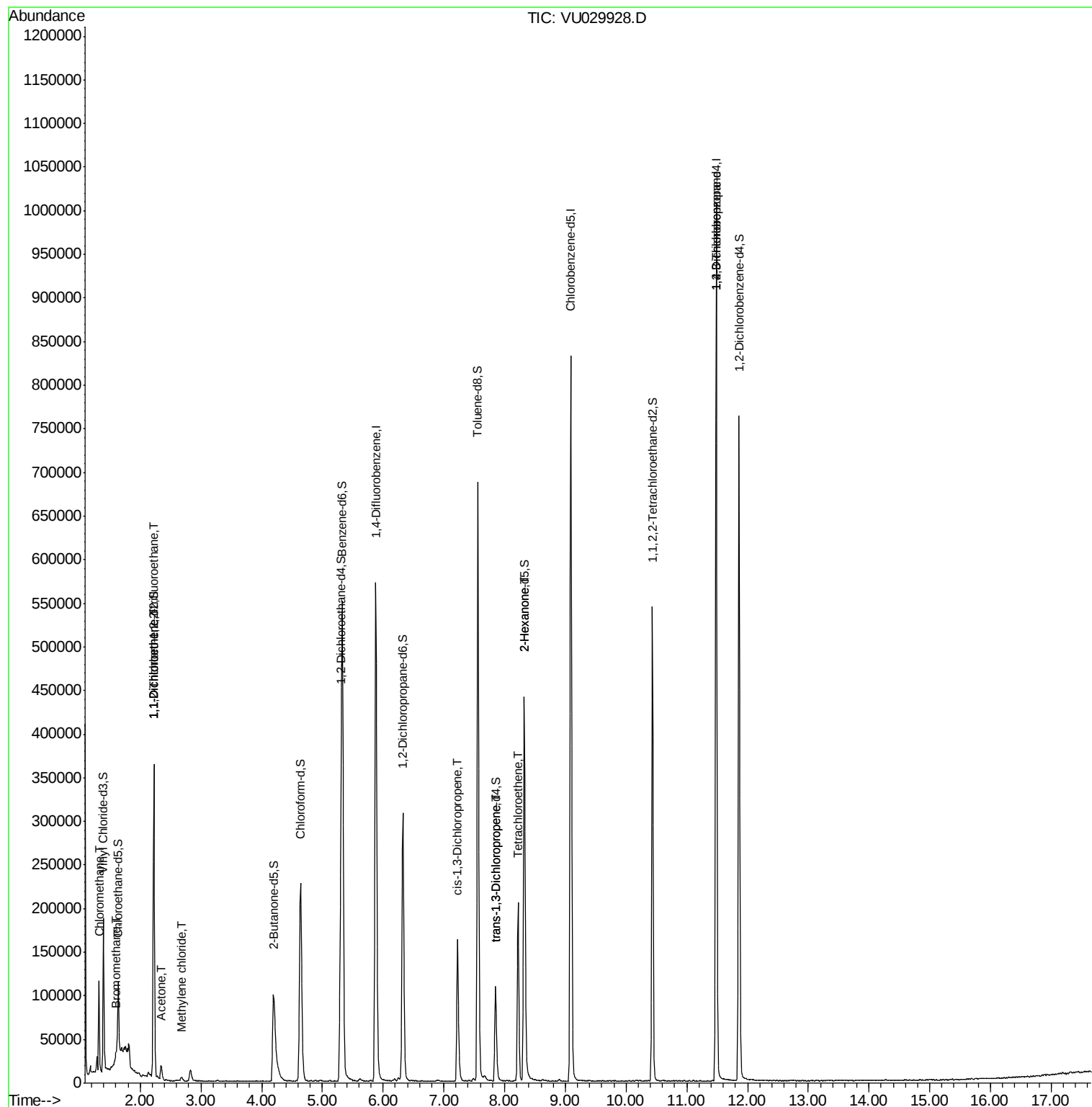
					Qvalue
3) Chloromethane	1.32	50	76993	13.496	ug/L 99
6) Bromomethane	1.60	94	4237	3.616	ug/L 90
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	2166	0.601	ug/L # 19
12) 1,1-Dichloroethene	2.23	96	2099	0.600	ug/L # 1
13) Acetone	2.35	43	1941	0.666	ug/L 76
16) Methylene chloride	2.68	84	2311	0.564	ug/L 91
39) cis-1,3-Dichloropropene	7.22	75	4117	0.702	ug/L # 74
44) trans-1,3-Dichloropropene	7.85	75	2991	0.572	ug/L 90
46) Tetrachloroethene	8.22	164	51625	15.039	ug/L 98
48) 2-Hexanone	8.32	43	19506	4.490	ug/L # 63
59) 1,2,3-Trichloropropane	11.49	75	29063	5.689	ug/L 92

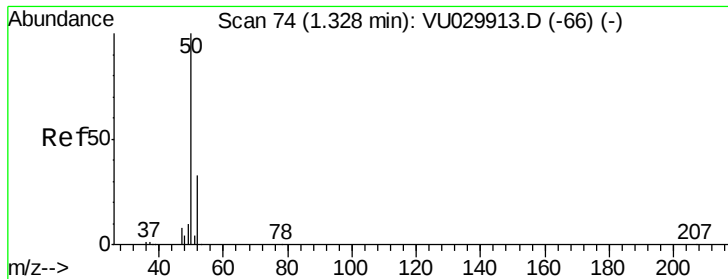
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 13.496 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.01 min

Lab File: VU029928.D

Acq: 09 Mar 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

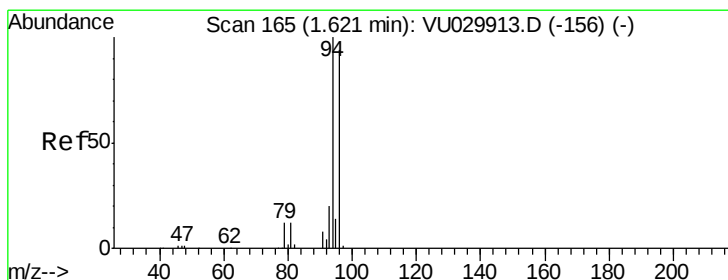
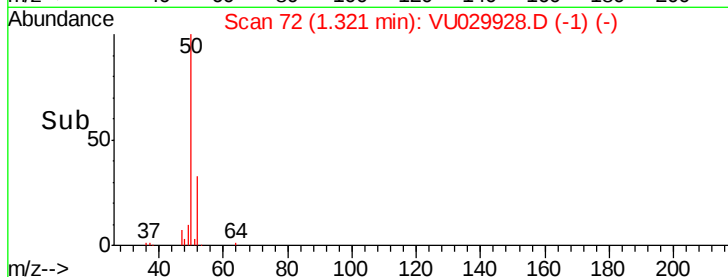
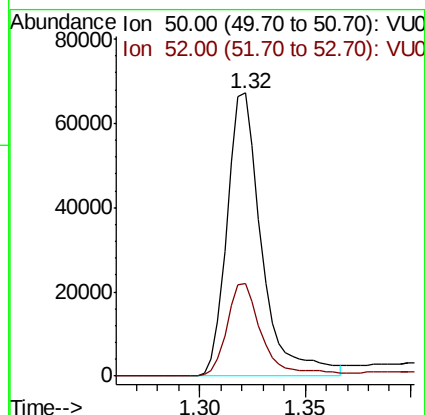
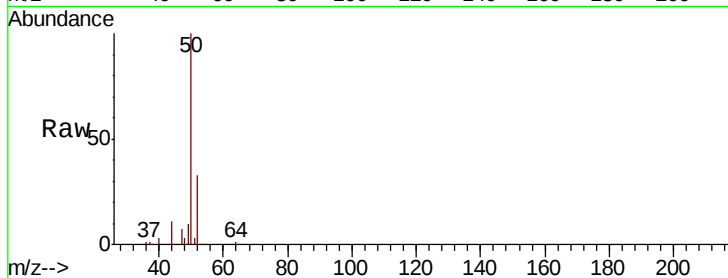
BF0S2

Tgt Ion: 50 Resp: 76993

Ion Ratio Lower Upper

50 100

52 32.6 23.1 42.9



#6

Bromomethane

Concen: 3.616 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU029928.D

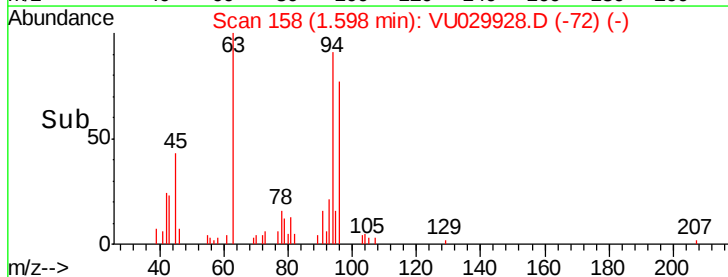
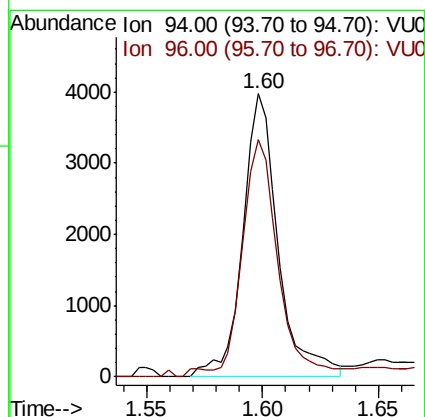
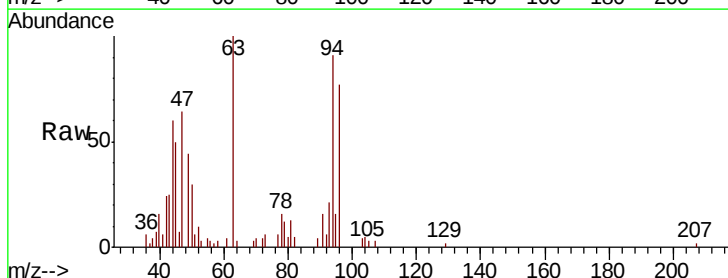
Acq: 09 Mar 2019 18:25

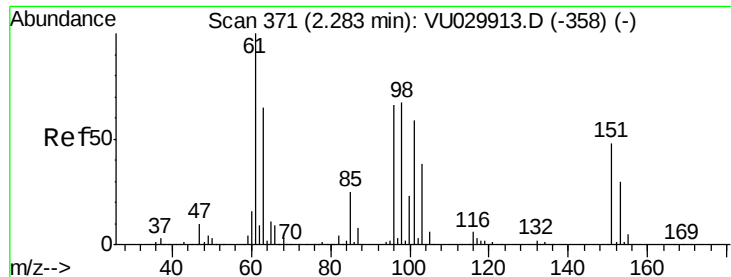
Tgt Ion: 94 Resp: 4237

Ion Ratio Lower Upper

94 100

96 83.9 65.7 121.9





#10

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

Concen: 0.601 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.06 min

Lab File: VU029928.D

Acq: 09 Mar 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

BF0S2

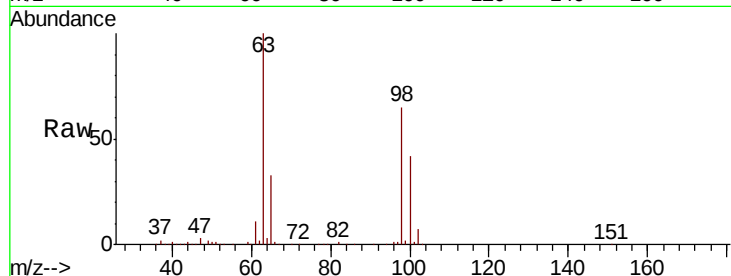
Tgt Ion: 101 Resp: 2166

Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.2#

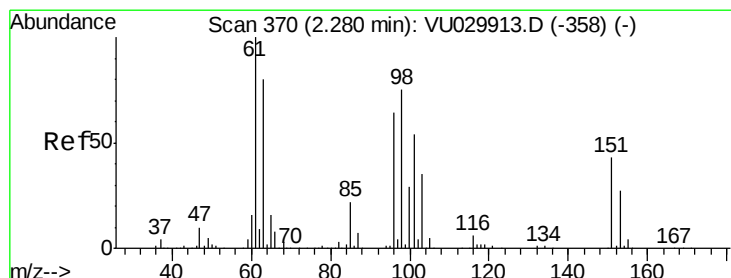
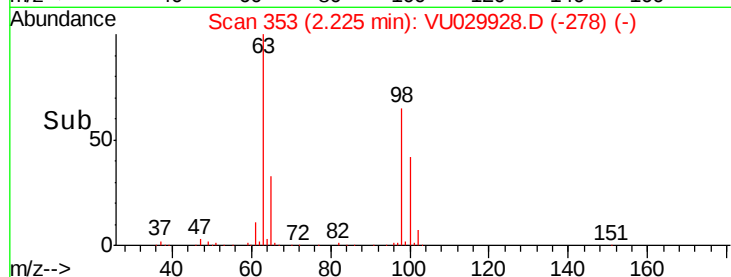
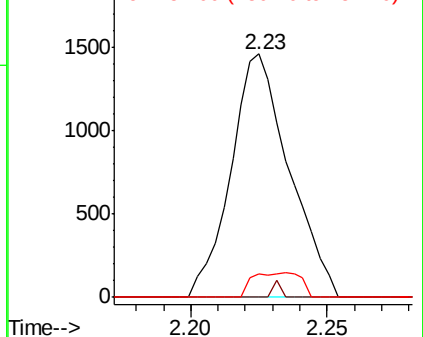
151 3.5 65.8 98.6#



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: 0.600 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.05 min

Lab File: VU029928.D

Acq: 09 Mar 2019 18:25

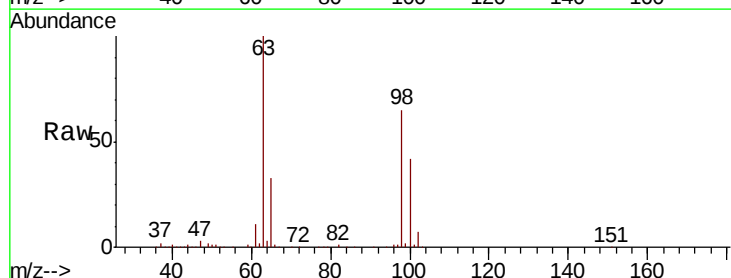
Tgt Ion: 96 Resp: 2099

Ion Ratio Lower Upper

96 100

61 1139.4 109.0 202.4#

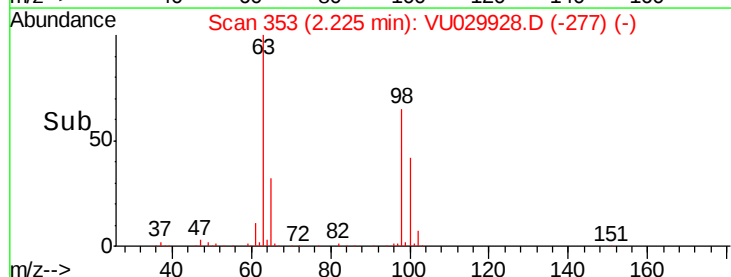
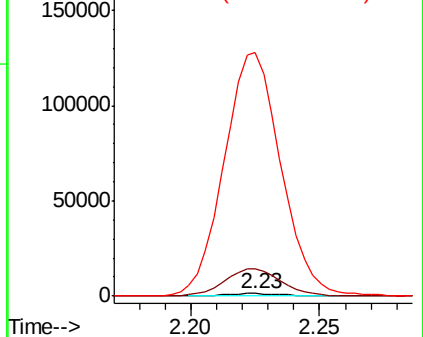
63 10041.2 88.1 163.5#

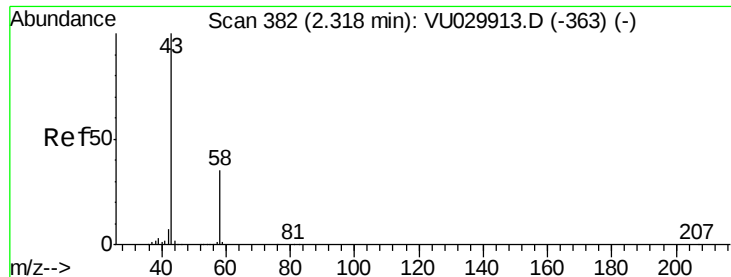


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.666 ug/L

RT: 2.35 min Scan# 393

Delta R.T. 0.04 min

Lab File: VU029928.D

Acq: 09 Mar 2019 18:25

Instrument :

MSVOA_U

ClientSampled :

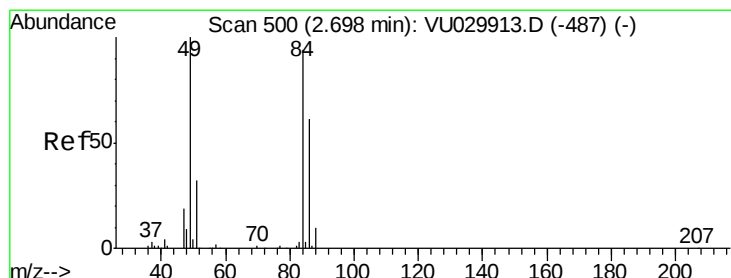
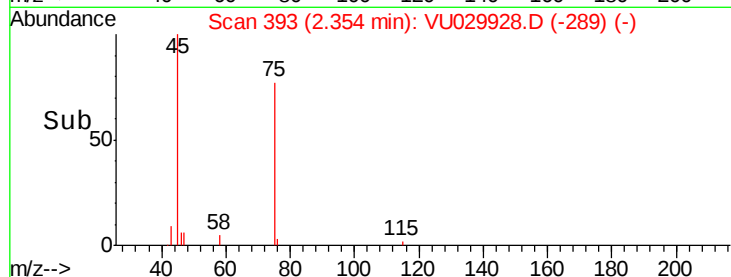
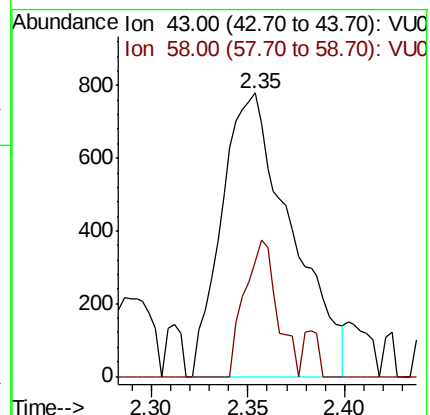
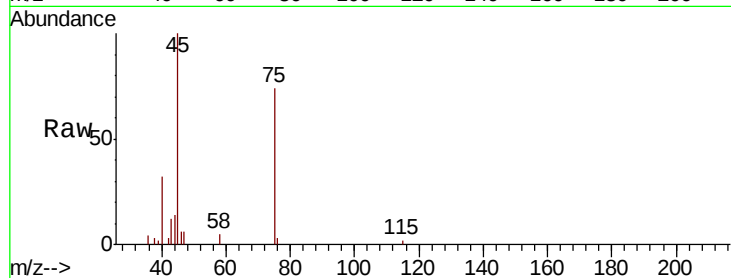
BF0S2

Tgt Ion: 43 Resp: 1941

Ion Ratio Lower Upper

43 100

58 21.3 0.0 70.2



#16

Methylene chloride

Concen: 0.564 ug/L

RT: 2.68 min Scan# 494

Delta R.T. -0.02 min

Lab File: VU029928.D

Acq: 09 Mar 2019 18:25

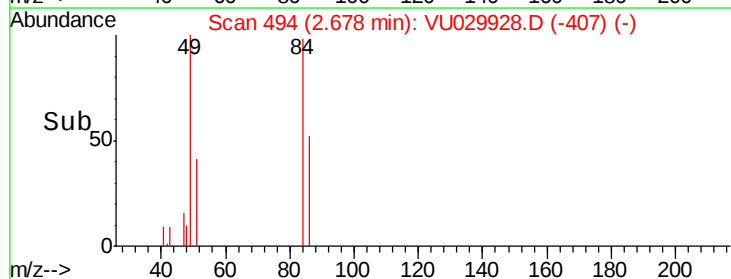
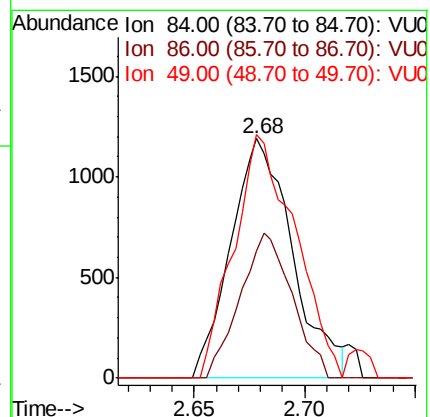
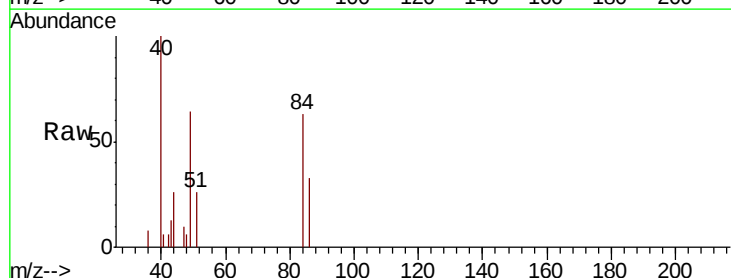
Tgt Ion: 84 Resp: 2311

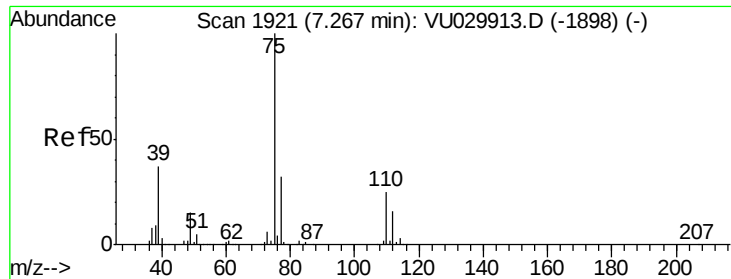
Ion Ratio Lower Upper

84 100

86 52.9 45.3 84.1

49 101.6 74.8 139.0

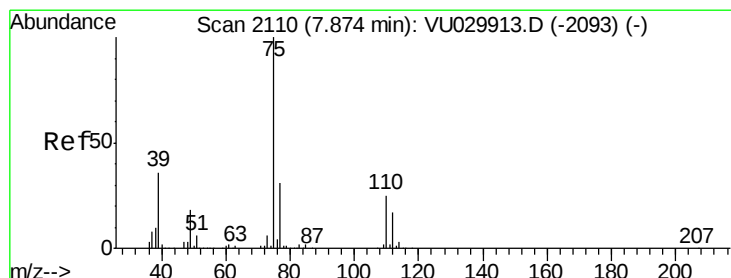
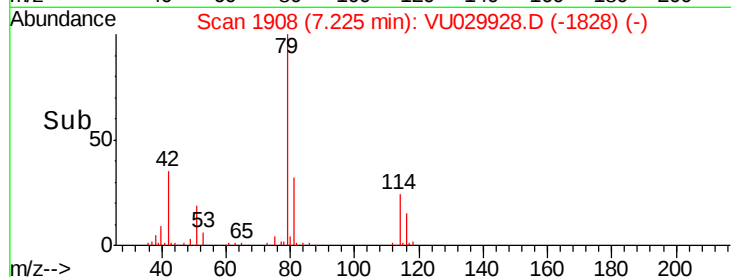
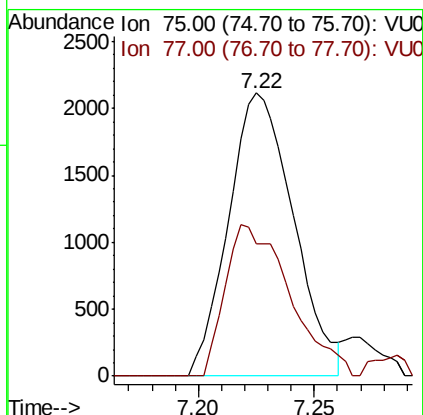
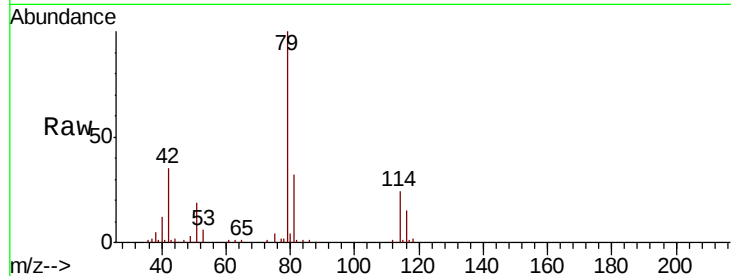




#39
 cis-1,3-Dichloropropene
 Concen: 0.702 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU029928.D
 Acq: 09 Mar 2019 18:25

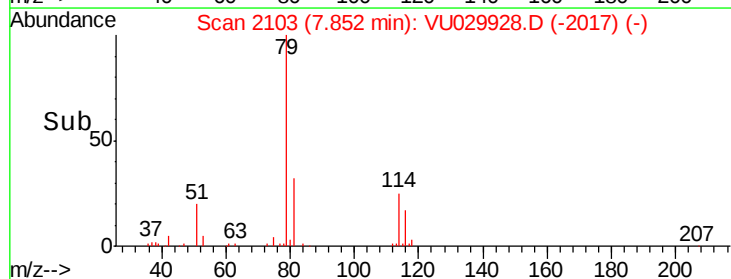
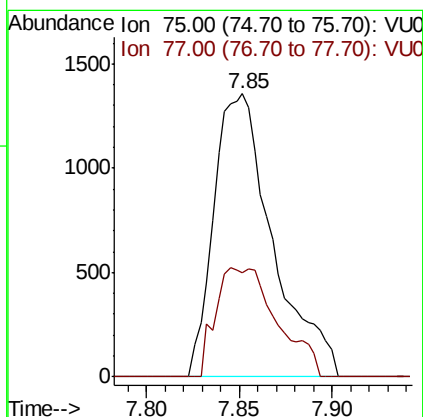
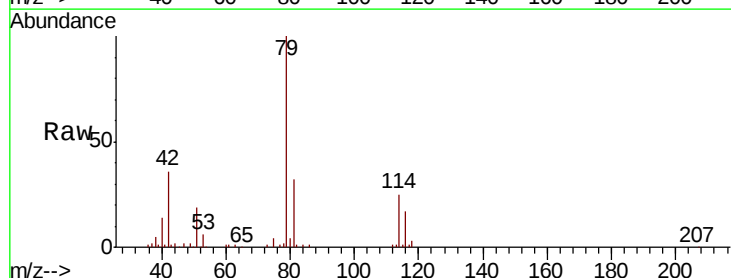
Instrument :
 MSVOA_U
 ClientSampleId :
 BF0S2

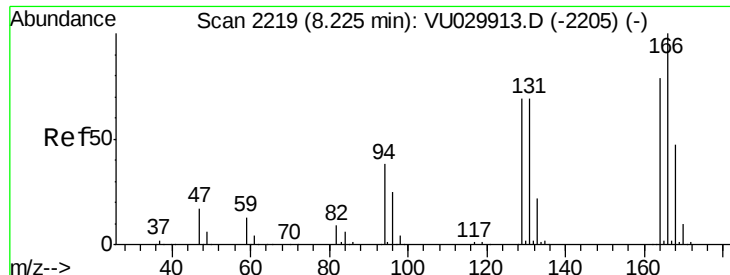
Tgt Ion: 75 Resp: 4117
 Ion Ratio Lower Upper
 75 100
 77 46.9 22.5 41.9#



#44
 trans-1,3-Dichloropropene
 Concen: 0.572 ug/L
 RT: 7.85 min Scan# 2103
 Delta R.T. -0.02 min
 Lab File: VU029928.D
 Acq: 09 Mar 2019 18:25

Tgt Ion: 75 Resp: 2991
 Ion Ratio Lower Upper
 75 100
 77 36.9 21.8 40.6





#46

Tetrachloroethene

Concen: 15.039 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU029928.D

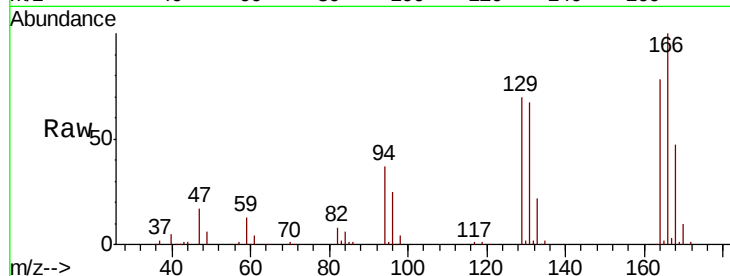
Acq: 09 Mar 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

BF0S2



Tgt Ion:164 Resp: 51625

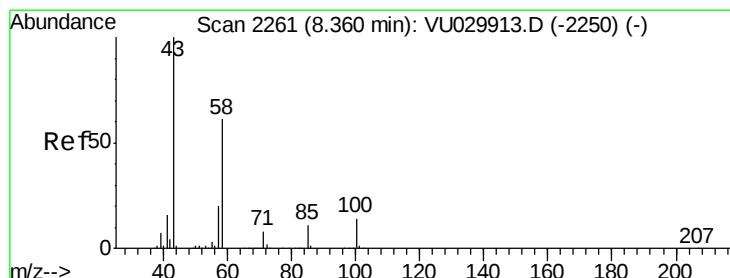
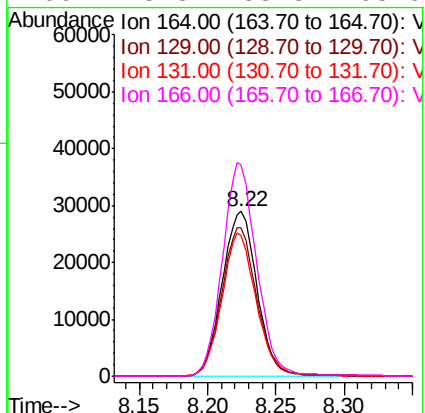
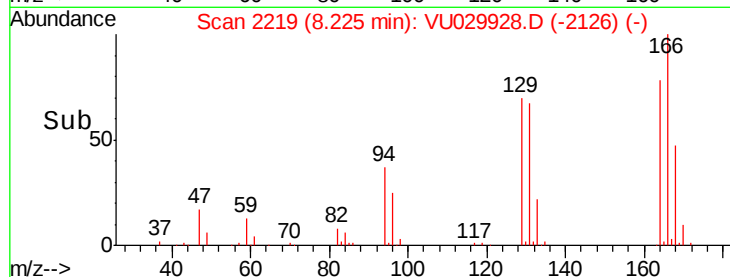
Ion Ratio Lower Upper

164 100

129 89.9 61.0 113.2

131 85.4 60.5 112.3

166 128.3 88.3 163.9



#48

2-Hexanone

Concen: 4.490 ug/L

RT: 8.32 min Scan# 2250

Delta R.T. -0.04 min

Lab File: VU029928.D

Acq: 09 Mar 2019 18:25

Tgt Ion: 43 Resp: 19506

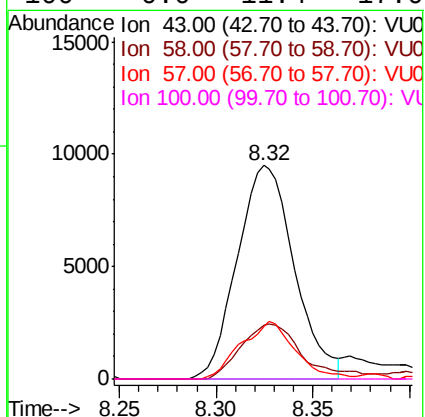
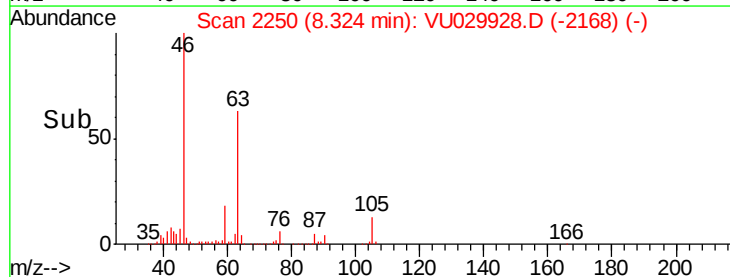
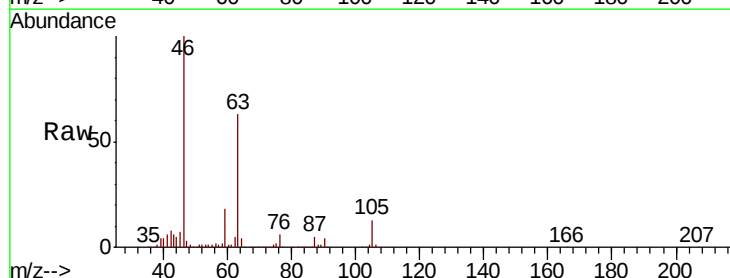
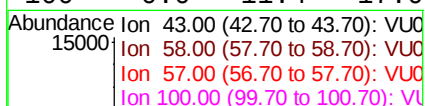
Ion Ratio Lower Upper

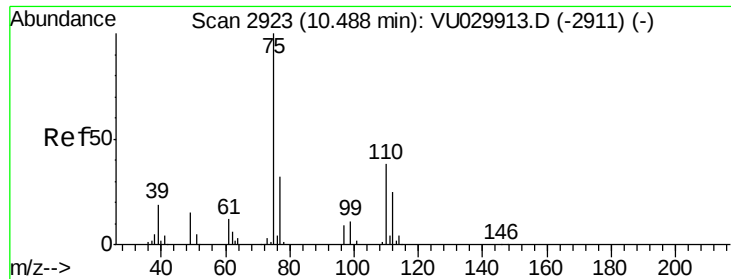
43 100

58 26.3 49.2 73.8#

57 25.6 16.6 25.0#

100 0.0 11.4 17.0#





#59

1,2,3-Trichloropropane

Concen: 5.689 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 1.00 min

Lab File: VU029928.D

Acq: 09 Mar 2019 18:25

Instrument :

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ClientSampleId :

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Tgt Ion: 75 Resp: 29063

Ion Ratio Lower Upper

75 100

77 37.0 26.1 39.1

