

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
 Data File : VU029929.D
 Acq On : 09 Mar 2019 18:48
 Operator : JC/SP
 Sample : K1838-02
 Misc : 5.70g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0S3

Quant Time: Mar 11 02:26:12 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	564450	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	560907	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	288874	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	142639	41.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.84%
7) Chloroethane-d5	1.64	69	56183	19.41	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	38.82%#
11) 1,1-Dichloroethene-d2	2.32	63	72	0.01	ug/L	0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.02%#
21) 2-Butanone-d5	4.20	46	219962	82.44	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.44%
24) Chloroform-d	4.64	84	262078	39.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.20%
26) 1,2-Dichloroethane-d4	5.30	65	161432	41.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.22%
32) Benzene-d6	5.33	84	582967	41.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.42%
36) 1,2-Dichloropropane-d6	6.32	67	175335	41.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.06%
41) Toluene-d8	7.56	98	536306	39.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.98%#
43) trans-1,3-Dichloropropene-	7.85	79	80096	39.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.40%
47) 2-Hexanone-d5	8.32	63	204763	90.14	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	285951	42.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	237099	41.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.70%

Target Compounds

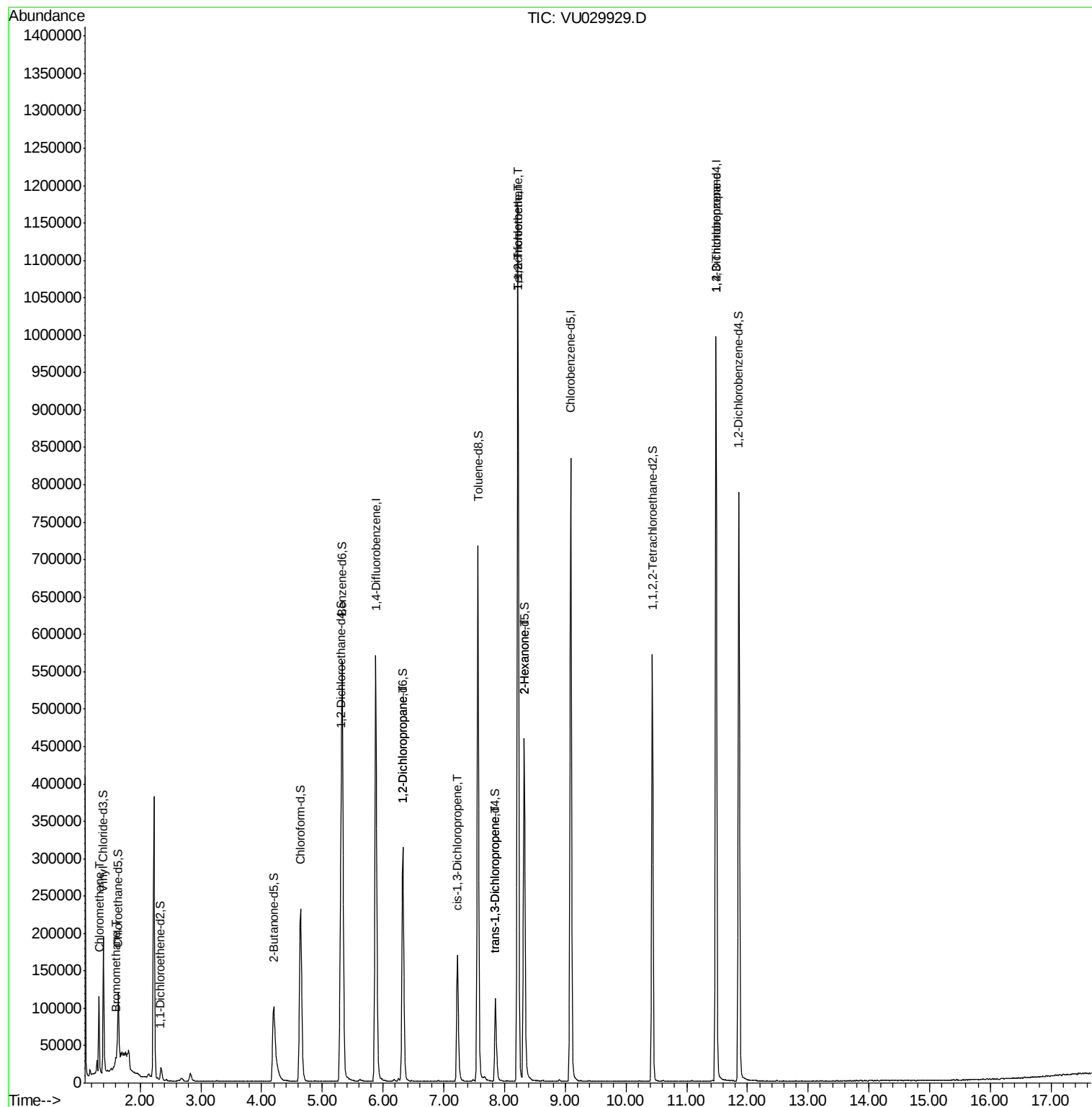
					Qvalue
3) Chloromethane	1.32	50	75762	13.297	ug/L 100
6) Bromomethane	1.60	94	3677	3.142	ug/L 91
37) 1,2-Dichloropropane	6.32	63	16800	4.302	ug/L # 87
39) cis-1,3-Dichloropropene	7.23	75	4229	0.712	ug/L # 73
44) trans-1,3-Dichloropropene	7.85	75	2861	0.540	ug/L # 79
45) 1,1,2-Trichloroethane	8.22	97	2010	0.507	ug/L # 1
46) Tetrachloroethene	8.22	164	293418	84.368	ug/L 97
48) 2-Hexanone	8.32	43	20437	4.643	ug/L # 62
59) 1,2,3-Trichloropropane	11.48	75	29427	5.685	ug/L 96

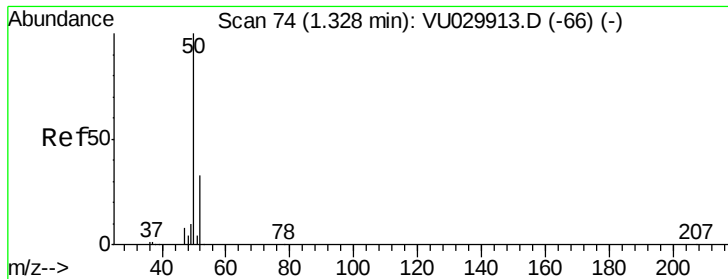
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 11 02:20:19 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 13.297 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.01 min

Lab File: VU029929.D

Acq: 09 Mar 2019 18:48

Instrument :

MSVOA_U

ClientSampleId :

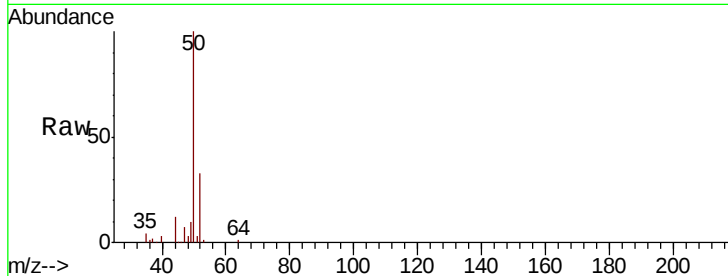
BF0S3

Tgt Ion: 50 Resp: 75762

Ion Ratio Lower Upper

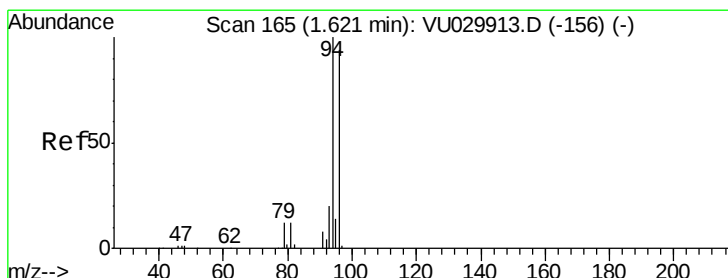
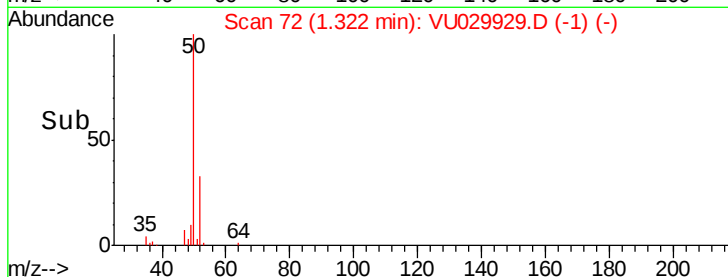
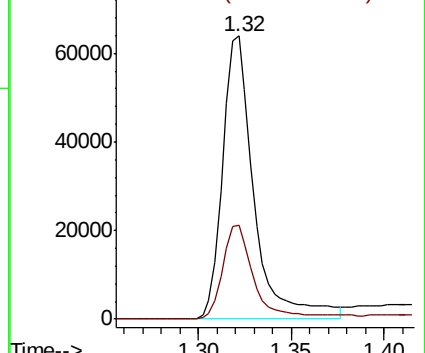
50 100

52 33.3 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: 3.142 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU029929.D

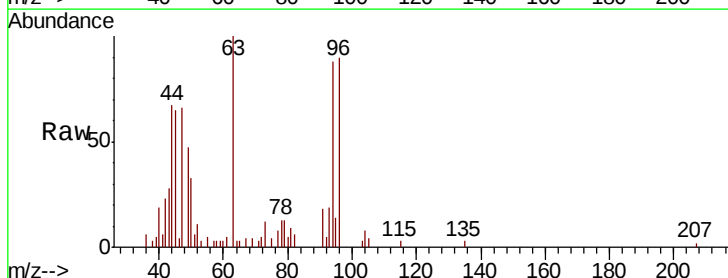
Acq: 09 Mar 2019 18:48

Tgt Ion: 94 Resp: 3677

Ion Ratio Lower Upper

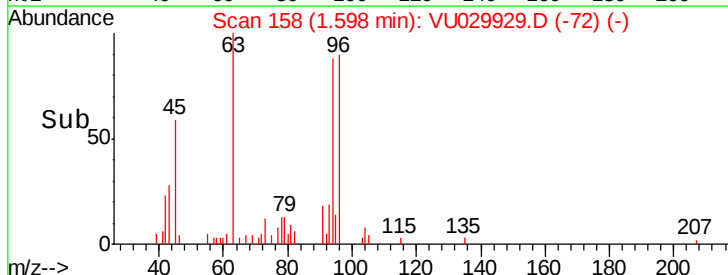
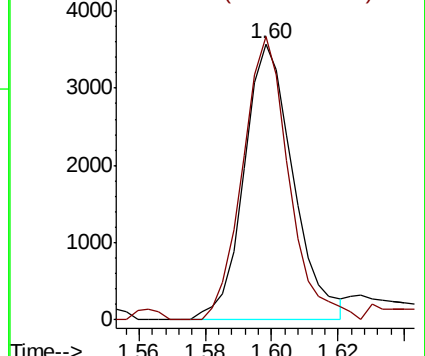
94 100

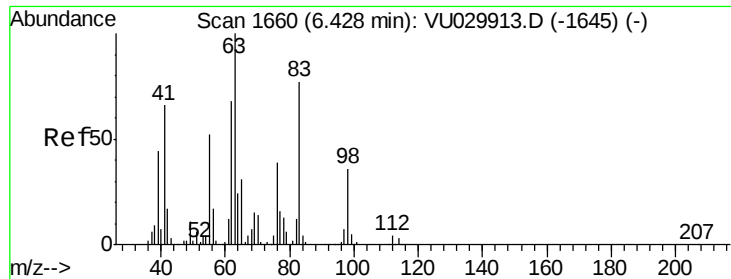
96 102.6 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

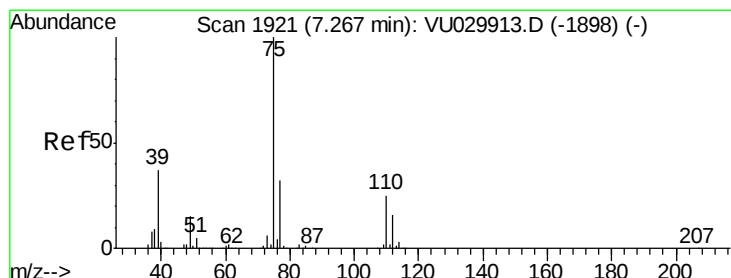
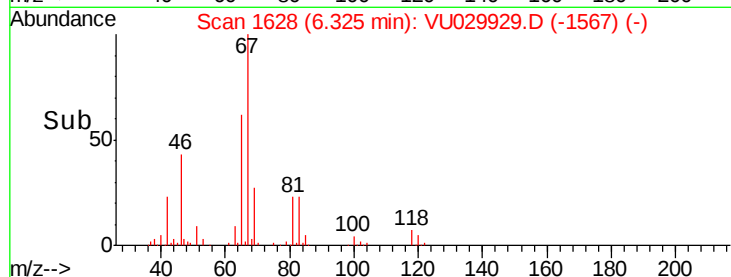
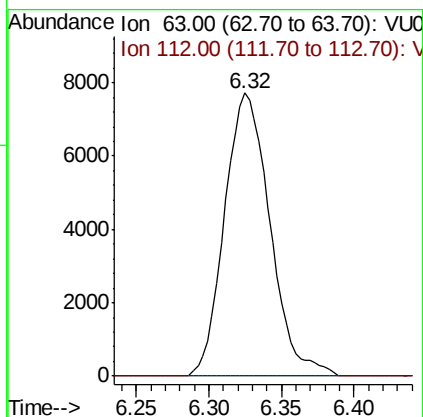
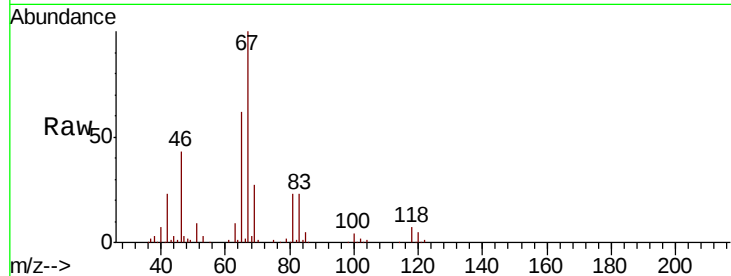




#37
 1,2-Dichloropropane
 Concen: 4.302 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU029929.D
 Acq: 09 Mar 2019 18:48

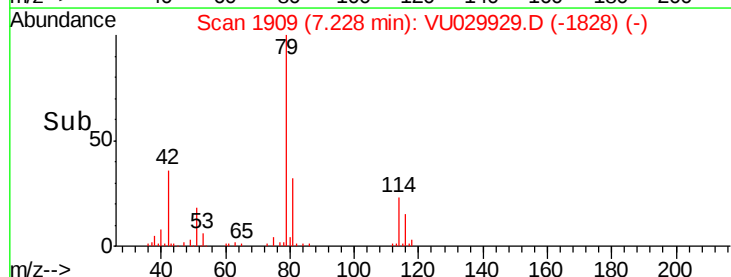
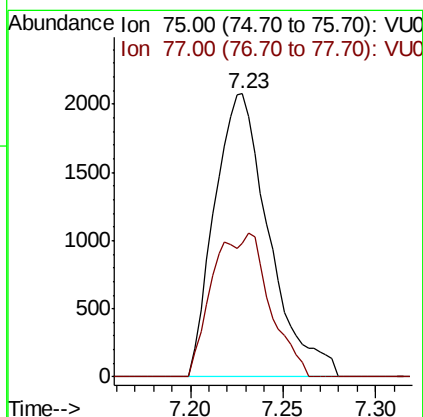
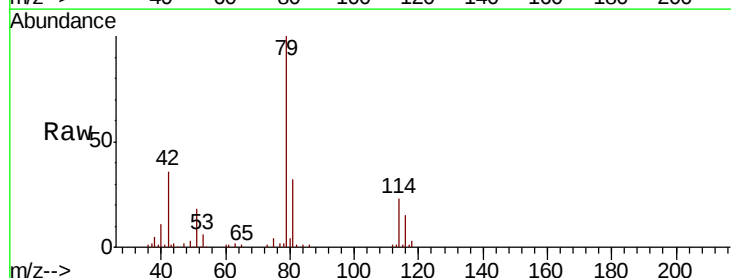
Instrument :
 MSVOA_U
 ClientSampleId :
 BF0S3

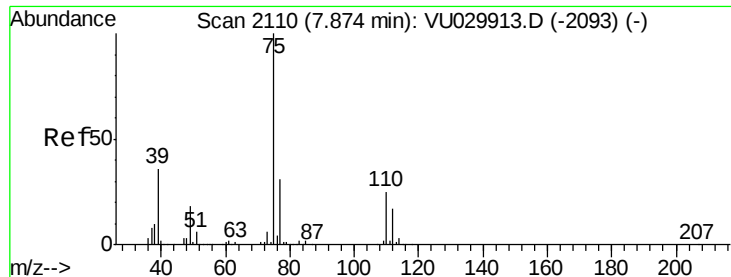
Tgt Ion: 63 Resp: 16800
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.712 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU029929.D
 Acq: 09 Mar 2019 18:48

Tgt Ion: 75 Resp: 4229
 Ion Ratio Lower Upper
 75 100
 77 47.2 22.5 41.9#





#44

trans-1,3-Dichloropropene

Concen: 0.540 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU029929.D

Acq: 09 Mar 2019 18:48

Instrument :

MSVOA_U

ClientSampleId :

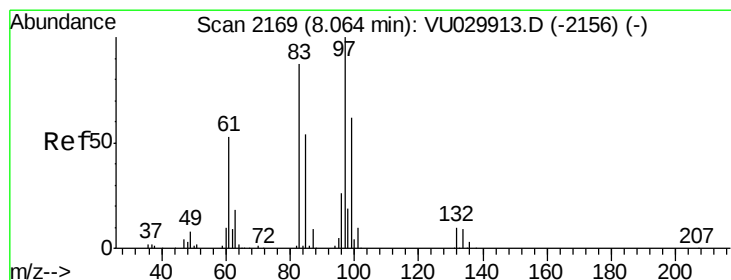
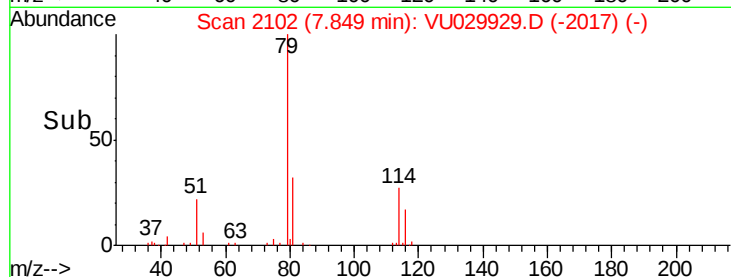
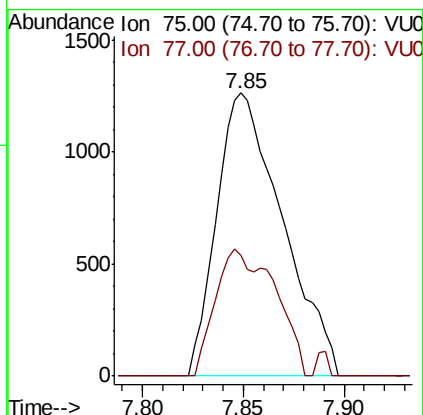
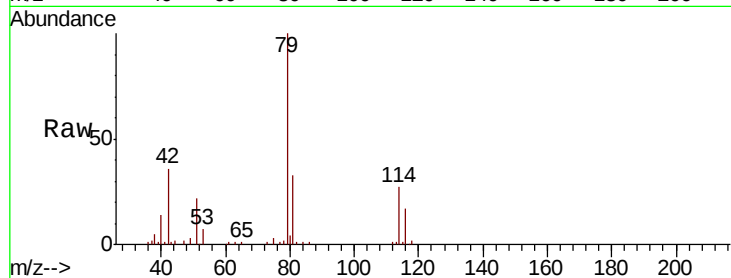
BF0S3

Tgt Ion: 75 Resp: 2861

Ion Ratio Lower Upper

75 100

77 42.8 21.8 40.6#



#45

1,1,2-Trichloroethane

Concen: 0.507 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU029929.D

Acq: 09 Mar 2019 18:48

Tgt Ion: 97 Resp: 2010

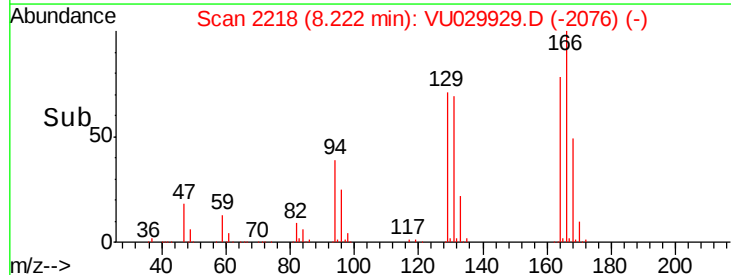
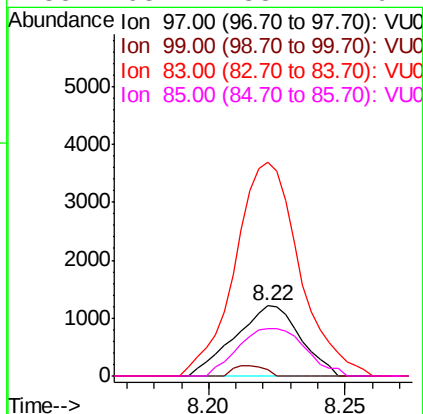
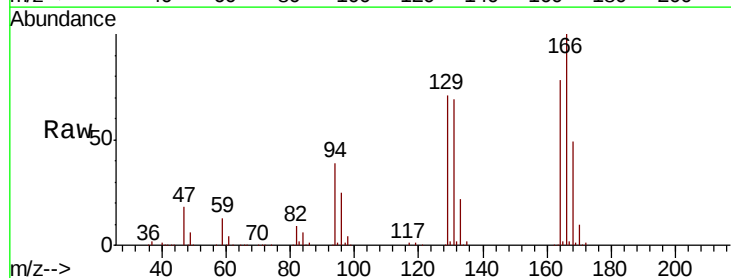
Ion Ratio Lower Upper

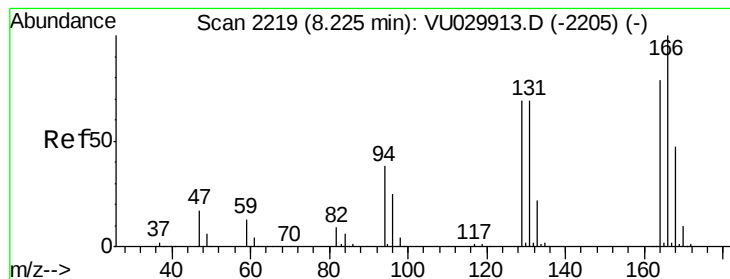
97 100

99 9.8 43.7 81.1#

83 305.6 60.8 112.8#

85 68.7 38.1 70.7





#46

Tetrachloroethene

Concen: 84.368 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU029929.D

Acq: 09 Mar 2019 18:48

Instrument :

MSVOA_U

ClientSampleId :

BF0S3

Tgt Ion:164 Resp: 293418

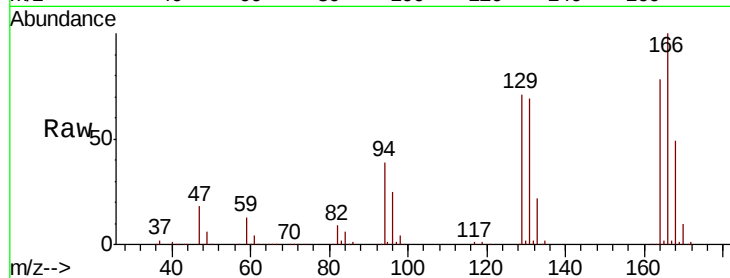
Ion Ratio Lower Upper

164 100

129 91.5 61.0 113.2

131 88.3 60.5 112.3

166 128.8 88.3 163.9

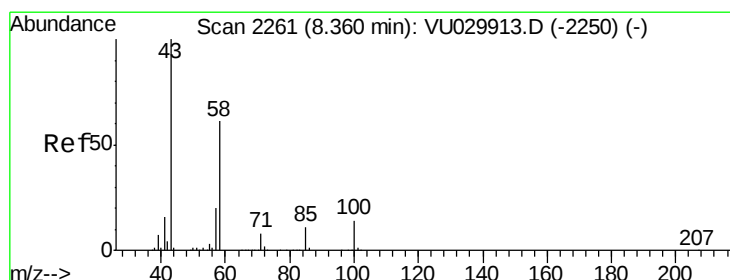
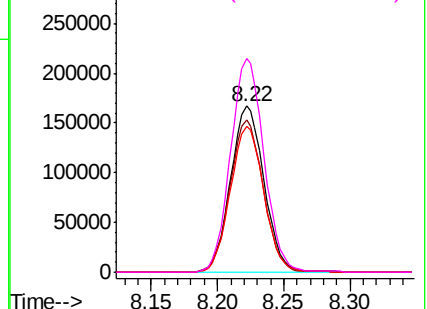
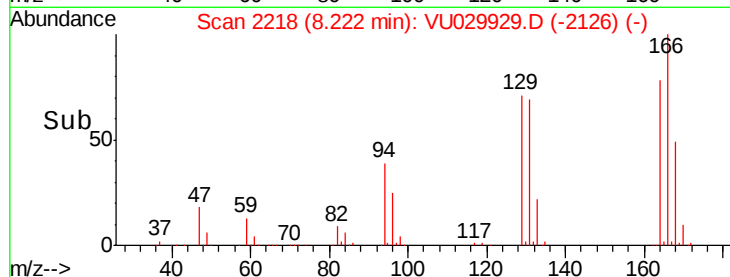


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.643 ug/L

RT: 8.32 min Scan# 2250

Delta R.T. -0.04 min

Lab File: VU029929.D

Acq: 09 Mar 2019 18:48

Tgt Ion: 43 Resp: 20437

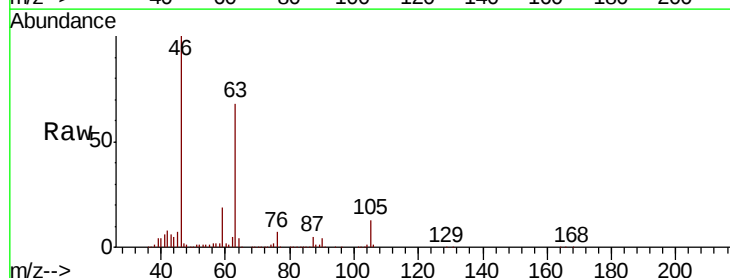
Ion Ratio Lower Upper

43 100

58 25.8 49.2 73.8#

57 26.6 16.6 25.0#

100 0.0 11.4 17.0#

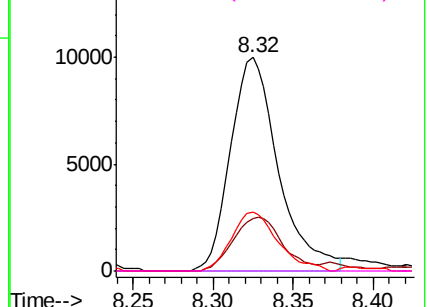
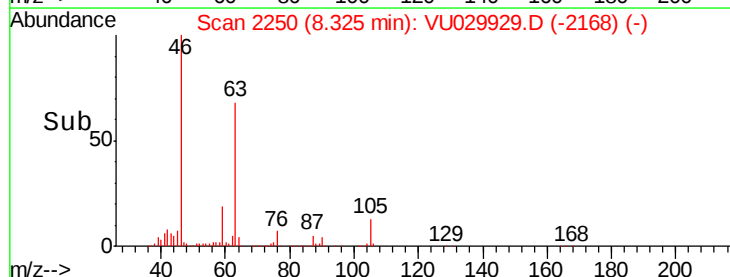


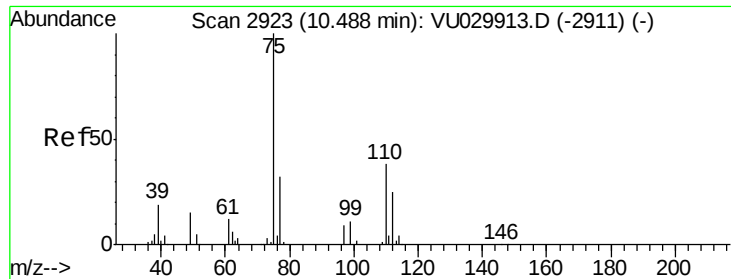
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 5.685 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029929.D

Acq: 09 Mar 2019 18:48

Instrument :

MSVOA_U

ClientSampleId :

BF0S3

Tgt Ion: 75 Resp: 29427

Ion Ratio Lower Upper

75 100

77 35.0 26.1 39.1

