

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
 Data File : VU029922.D
 Acq On : 09 Mar 2019 16:05
 Operator : JC/SP
 Sample : K1789-16
 Misc : 5.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0P9

Quant Time: Mar 11 02:25:23 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	567019	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	573338	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	304460	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	146173	42.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.50%
7) Chloroethane-d5	1.72	69	74	0.03	ug/L	0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.06%#
11) 1,1-Dichloroethene-d2	2.30	63	150	0.02	ug/L	0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.04%#
21) 2-Butanone-d5	4.19	46	230579	86.03	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.03%
24) Chloroform-d	4.64	84	263562	39.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.30%
26) 1,2-Dichloroethane-d4	5.30	65	168114	42.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.24%
32) Benzene-d6	5.33	84	580015	40.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.20%
36) 1,2-Dichloropropane-d6	6.32	67	177205	41.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.12%
41) Toluene-d8	7.56	98	546432	39.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.72%#
43) trans-1,3-Dichloropropene-	7.85	79	81949	39.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.48%
47) 2-Hexanone-d5	8.32	63	213504	91.95	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.95%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303105	44.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	246876	41.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.68%

Target Compounds

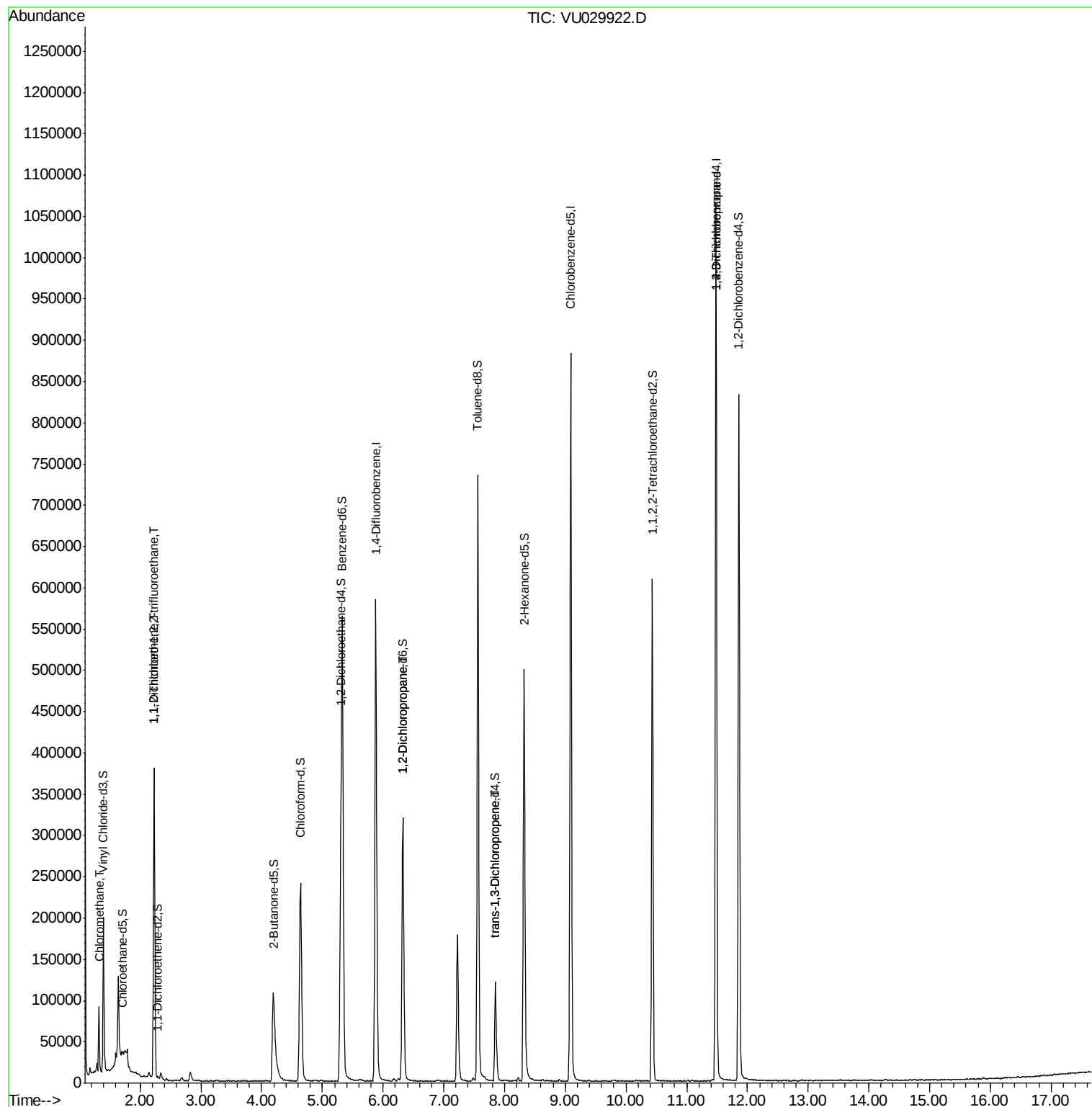
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	62965	11.001	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	2296	0.635	ug/L #	22
12) 1,1-Dichloroethene	2.23	96	1969	0.561	ug/L #	1
37) 1,2-Dichloropropane	6.32	63	17010	4.262	ug/L #	87
44) trans-1,3-Dichloropropene	7.85	75	3056	0.565	ug/L	91
59) 1,2,3-Trichloropropane	11.48	75	30769	5.816	ug/L	97

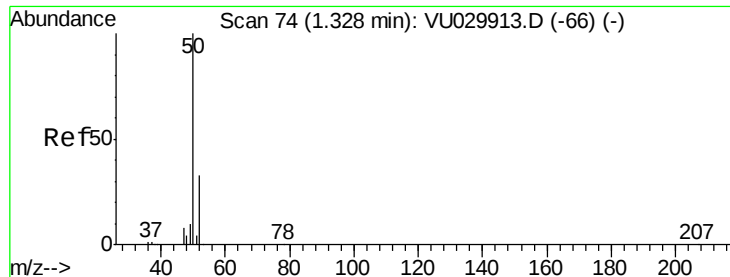
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 11.001 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.01 min

Lab File: VU029922.D

Acq: 09 Mar 2019 16:05

Instrument :

MSVOA_U

ClientSampleId :

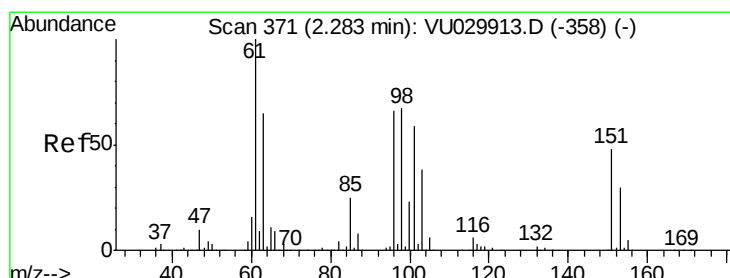
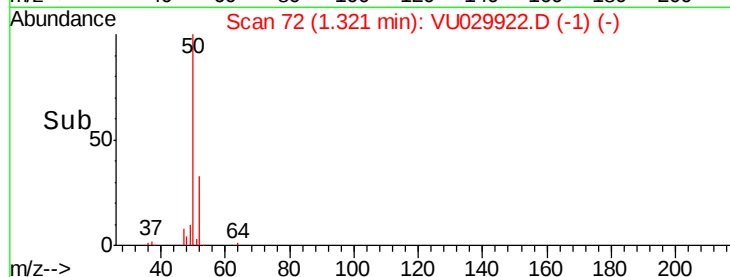
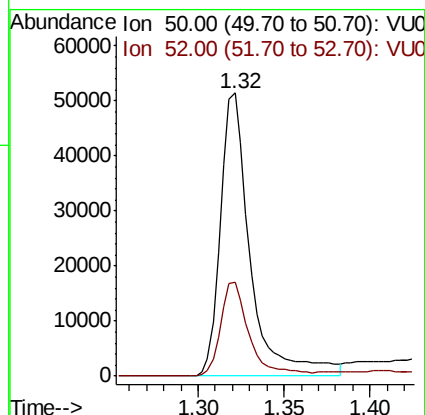
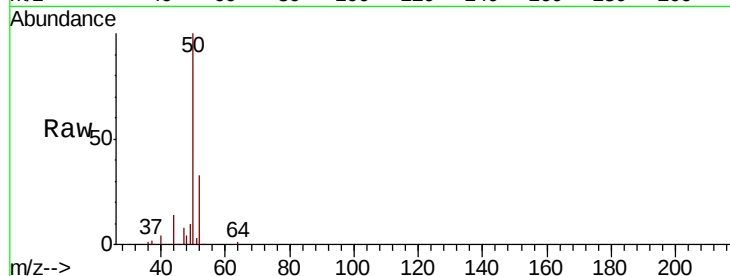
BF0P9

Tgt Ion: 50 Resp: 62965

Ion Ratio Lower Upper

50 100

52 33.3 23.1 42.9



#10

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

Concen: 0.635 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.05 min

Lab File: VU029922.D

Acq: 09 Mar 2019 16:05

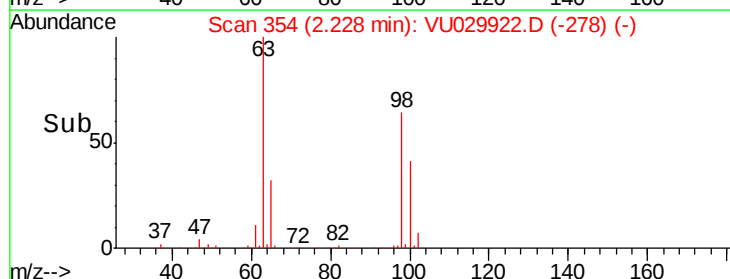
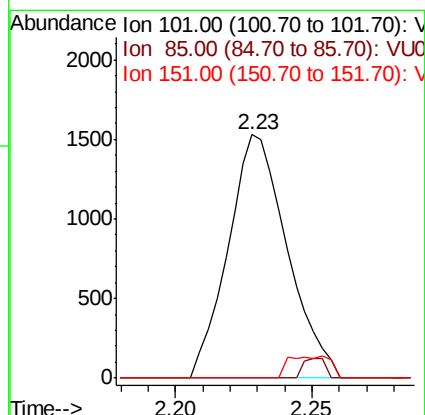
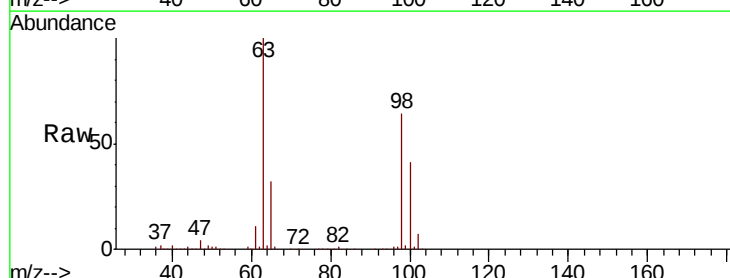
Tgt Ion: 101 Resp: 2296

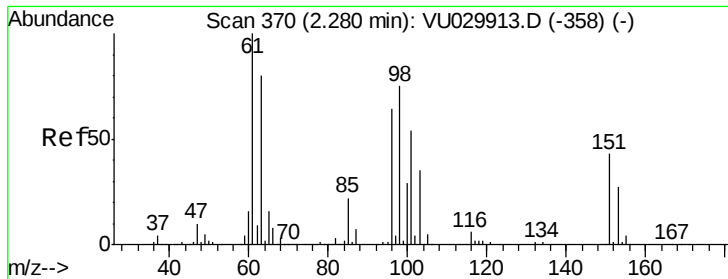
Ion Ratio Lower Upper

101 100

85 3.0 33.4 50.2#

151 4.3 65.8 98.6#





#12

1,1-Dichloroethene

Concen: 0.561 ug/L

RT: 2.23 min Scan# 355

Delta R.T. -0.05 min

Lab File: VU029922.D

Acq: 09 Mar 2019 16:05

Instrument :

MSVOA_U

ClientSampleId :

BF0P9

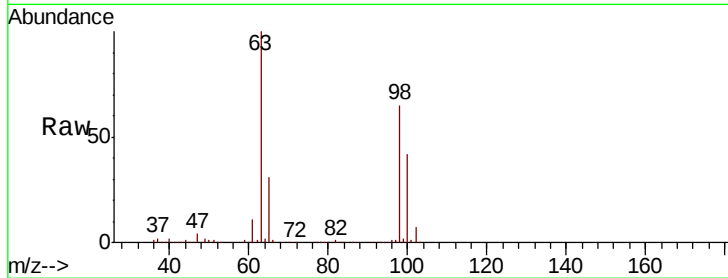
Tgt Ion: 96 Resp: 1969

Ion Ratio Lower Upper

96 100

61 1340.2 109.0 202.4#

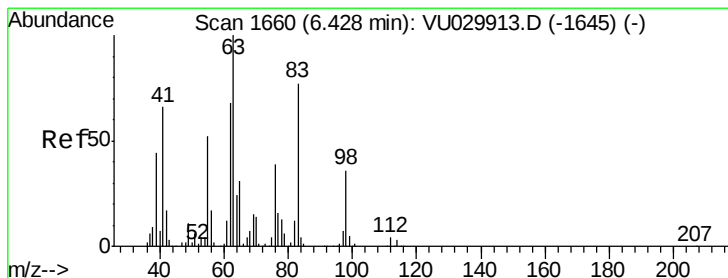
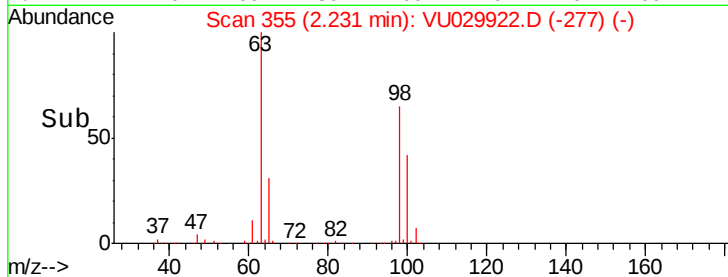
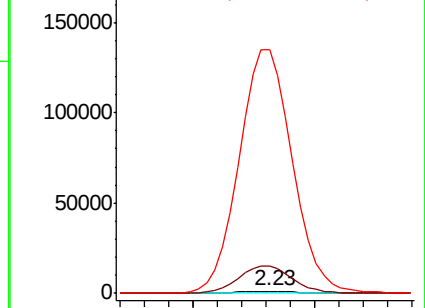
63 11969.4 88.1 163.5#



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



#37

1,2-Dichloropropane

Concen: 4.262 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU029922.D

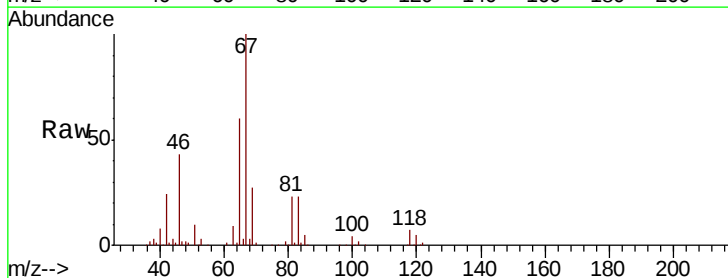
Acq: 09 Mar 2019 16:05

Tgt Ion: 63 Resp: 17010

Ion Ratio Lower Upper

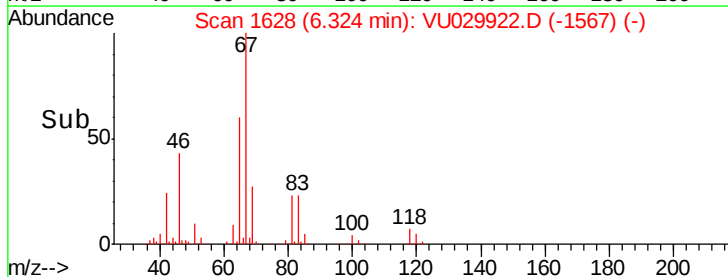
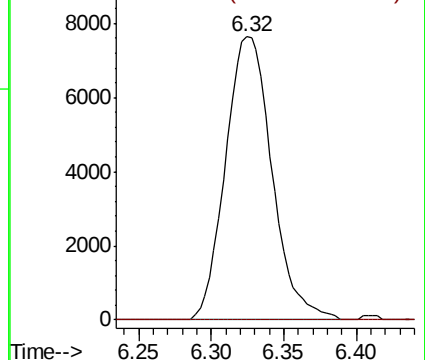
63 100

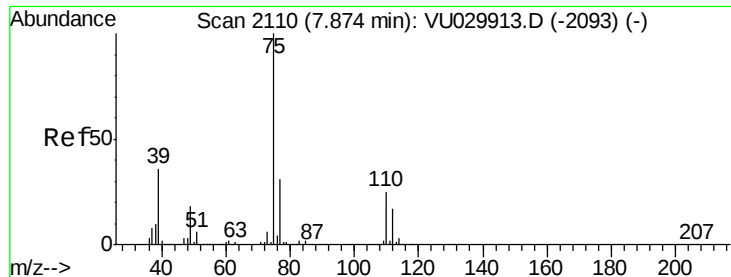
112 0.0 3.4 5.0#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#44

trans-1,3-Dichloropropene

Concen: 0.565 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU029922.D

Acq: 09 Mar 2019 16:05

Instrument :

MSVOA_U

ClientSampleId :

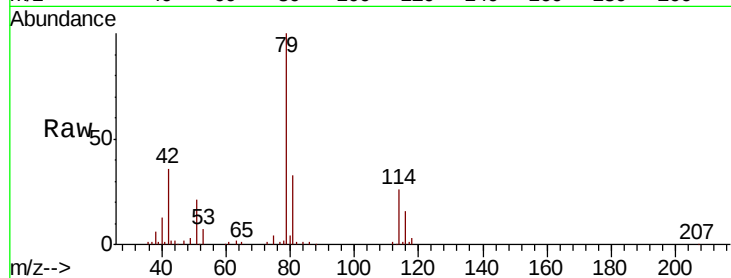
BF0P9

Tgt Ion: 75 Resp: 3056

Ion Ratio Lower Upper

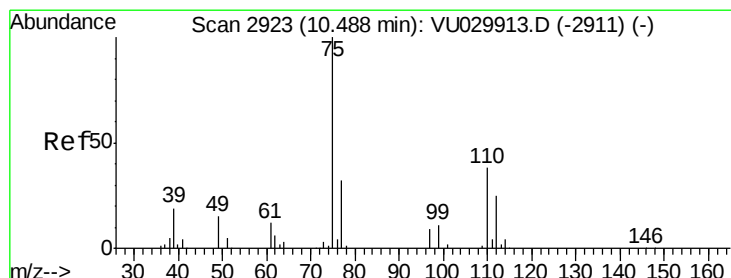
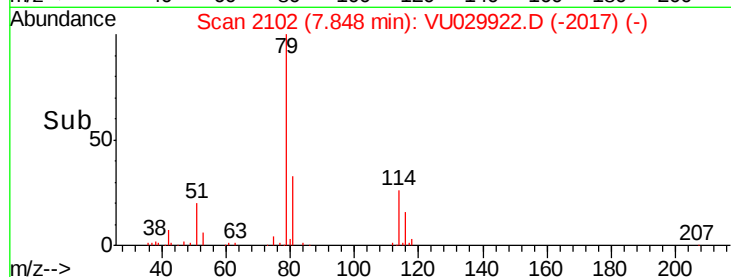
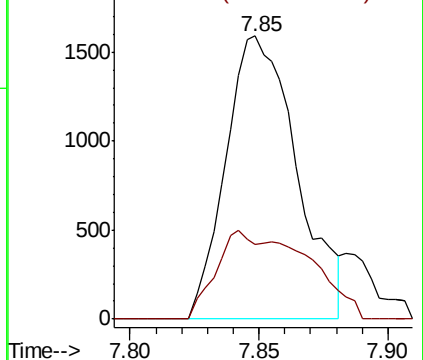
75 100

77 26.4 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.816 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029922.D

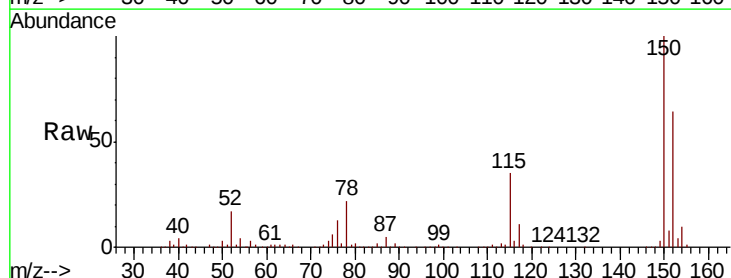
Acq: 09 Mar 2019 16:05

Tgt Ion: 75 Resp: 30769

Ion Ratio Lower Upper

75 100

77 34.5 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

