

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031519\
 Data File : VU030025.D
 Acq On : 13 Mar 2019 12:50
 Operator : JC/SP
 Sample : K1838-10
 Misc : 5.56g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0S6

Quant Time: Mar 14 01:39:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 14 01:36:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	531465	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	543595	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	292938	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	132463	37.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.36%
7) Chloroethane-d5	1.64	69	66838	23.55	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	47.10%#
11) 1,1-Dichloroethene-d2	2.24	63	187199	29.50	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.00%#
21) 2-Butanone-d5	4.19	46	222283	84.39	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.39%
24) Chloroform-d	4.64	84	252646	40.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.14%
26) 1,2-Dichloroethane-d4	5.30	65	153765	42.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.42%
32) Benzene-d6	5.33	84	549957	39.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.60%
36) 1,2-Dichloropropane-d6	6.32	67	170505	39.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.62%
41) Toluene-d8	7.56	98	506224	38.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.26%#
43) trans-1,3-Dichloropropene-	7.85	79	78472	37.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.66%
47) 2-Hexanone-d5	8.32	63	220484	92.01	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.01%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	301751	45.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	241177	42.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

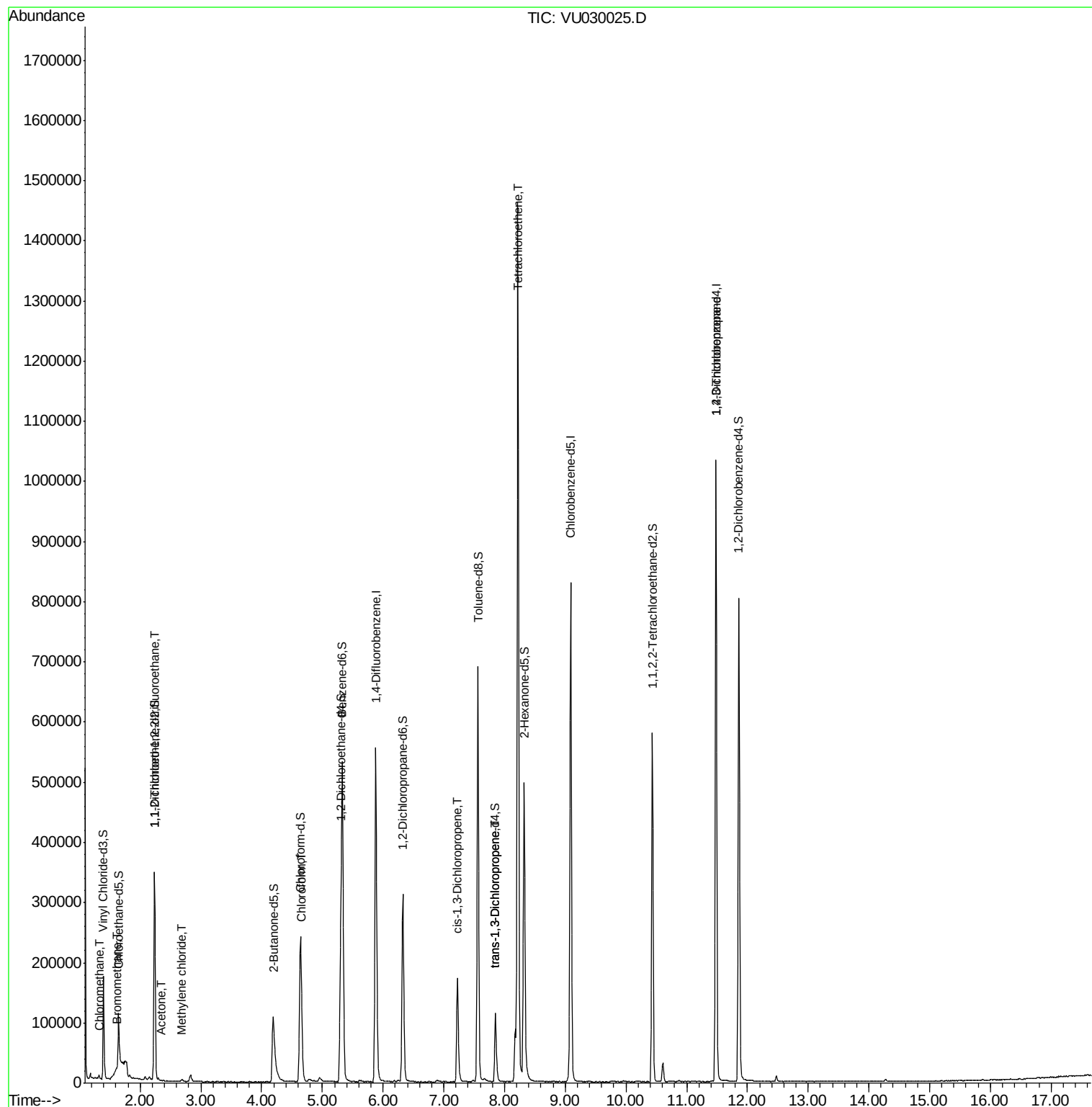
					Qvalue
3) Chloromethane	1.32	50	4982	1.345 ug/L	92
6) Bromomethane	1.60	94	1641	0.652 ug/L	77
10) 1,1,2-Trichloro-1,2,2-trif	2.24	101	2230	0.639 ug/L #	25
13) Acetone	2.34	43	2213	0.719 ug/L	82
16) Methylene chloride	2.69	84	2209	0.562 ug/L	86
25) Chloroform	4.66	83	23792	3.640 ug/L	98
39) cis-1,3-Dichloropropene	7.22	75	3890	0.611 ug/L #	64
44) trans-1,3-Dichloropropene	7.85	75	3306	0.569 ug/L	85
46) Tetrachloroethene	8.22	164	352536	98.812 ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	29845	5.601 ug/L	92

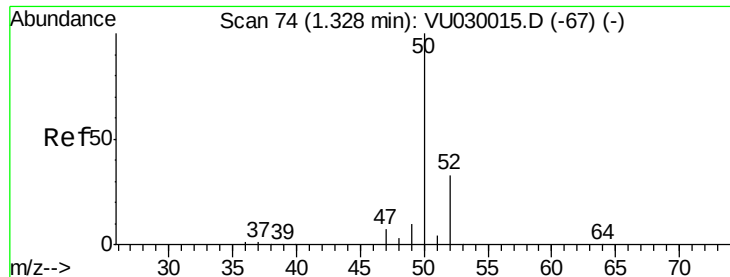
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 14 01:36:14 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.345 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.01 min

Lab File: VU030025.D

Acq: 13 Mar 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

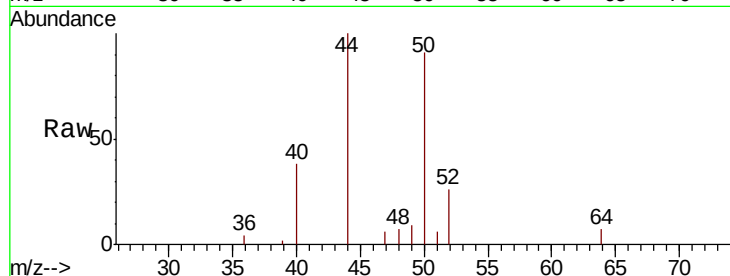
BF0S6

Tgt Ion: 50 Resp: 4982

Ion Ratio Lower Upper

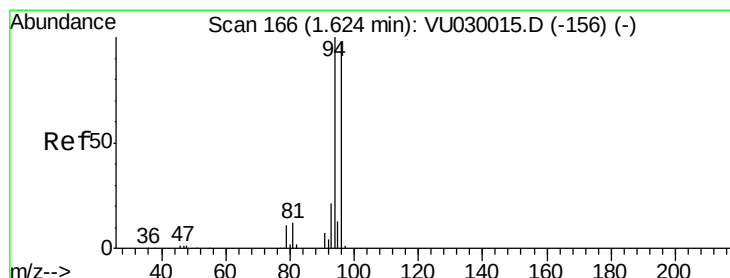
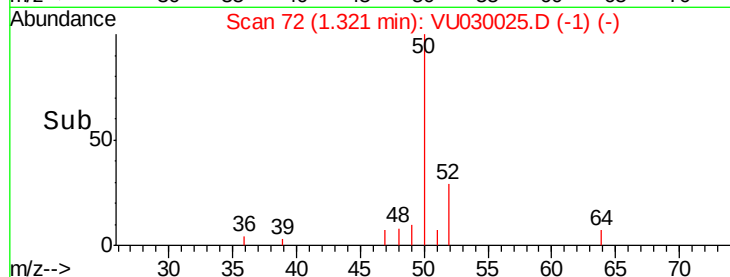
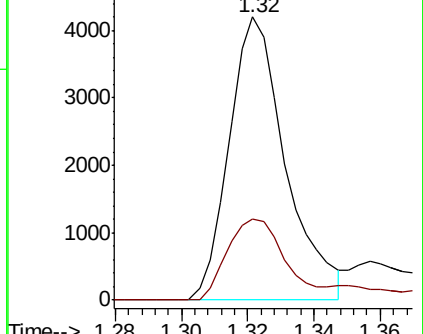
50 100

52 28.8 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VU030015.D (-67) (-)

Ion 52.00 (51.70 to 52.70): VU030015.D (-67) (-)



#6

Bromomethane

Concen: 0.652 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.02 min

Lab File: VU030025.D

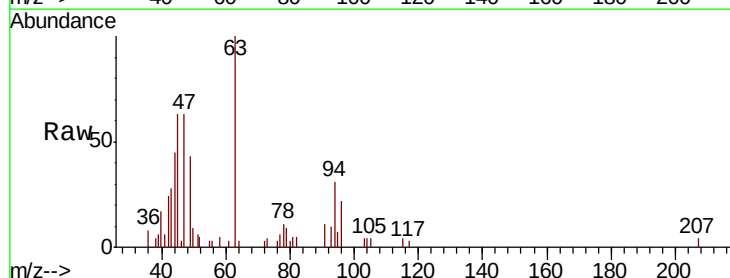
Acq: 13 Mar 2019 12:50

Tgt Ion: 94 Resp: 1641

Ion Ratio Lower Upper

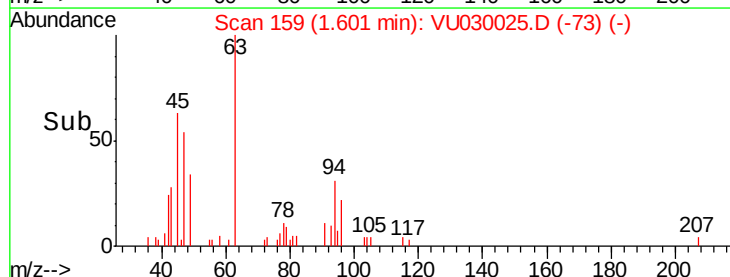
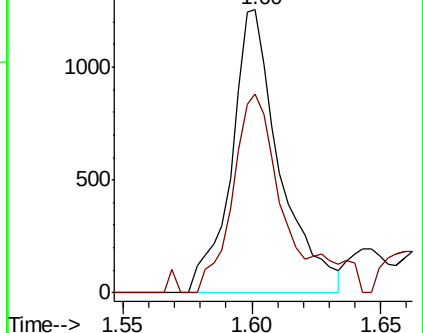
94 100

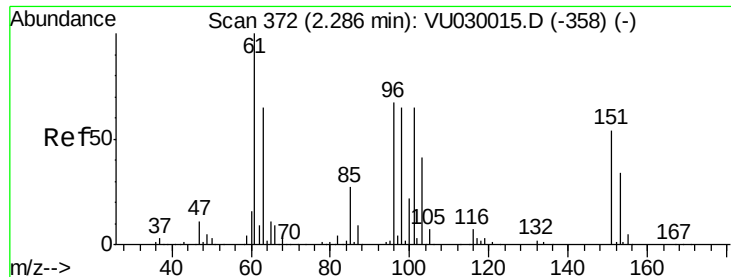
96 70.4 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU030015.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU030015.D (-156) (-)





#10

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

Concen: 0.639 ug/L

RT: 2.24 min Scan# 357

Delta R.T. -0.05 min

Lab File: VU030025.D

Acq: 13 Mar 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

BF0S6

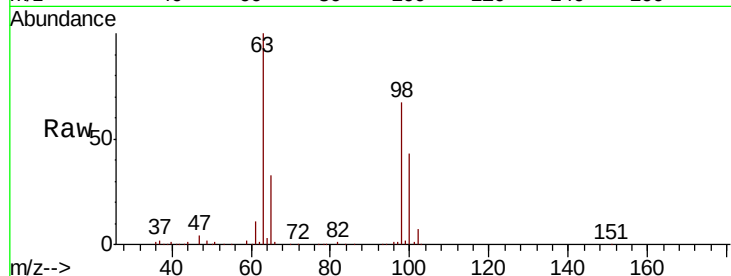
Tgt Ion: 101 Resp: 2230

Ion Ratio Lower Upper

101 100

85 3.4 33.0 49.4#

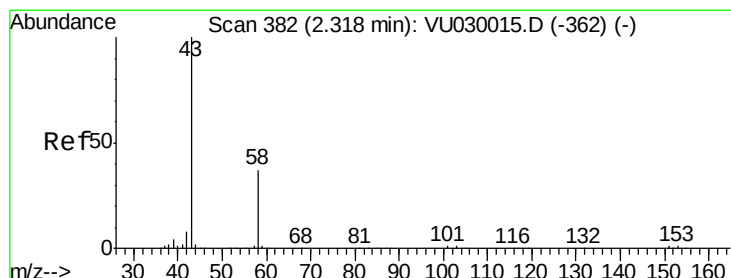
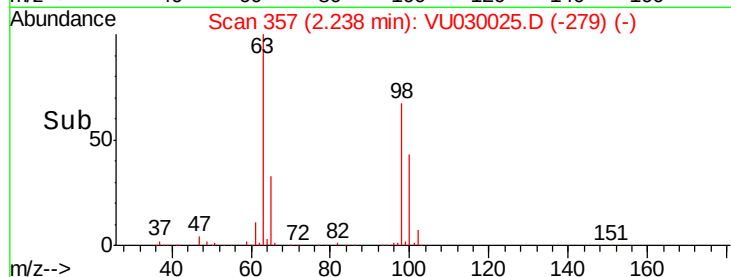
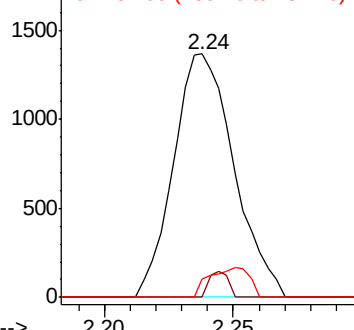
151 8.1 66.1 99.1#



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



#13

Acetone

Concen: 0.719 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.02 min

Lab File: VU030025.D

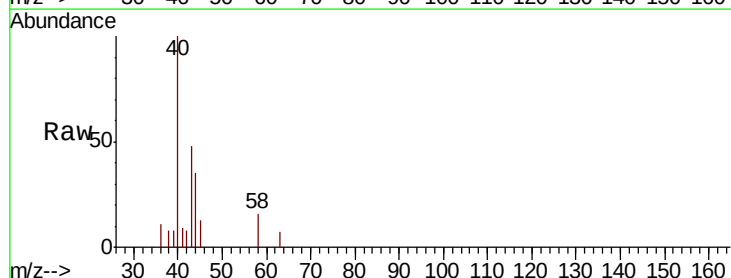
Acq: 13 Mar 2019 12:50

Tgt Ion: 43 Resp: 2213

Ion Ratio Lower Upper

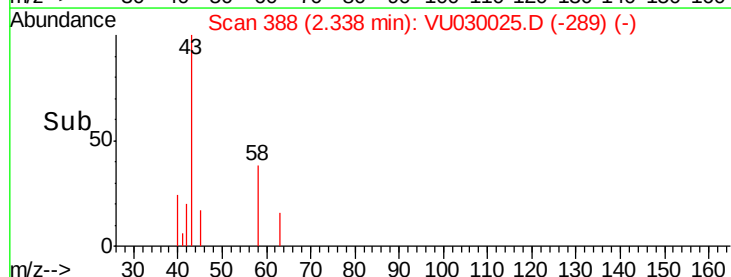
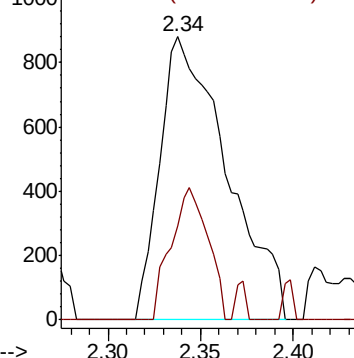
43 100

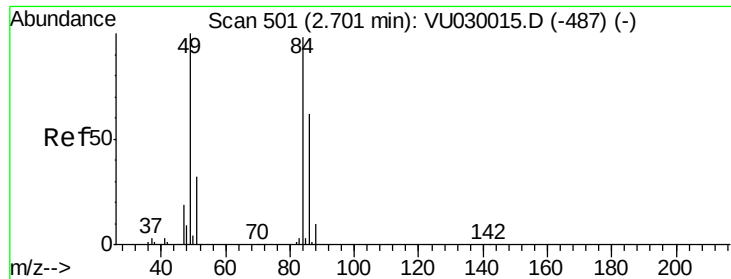
58 25.7 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

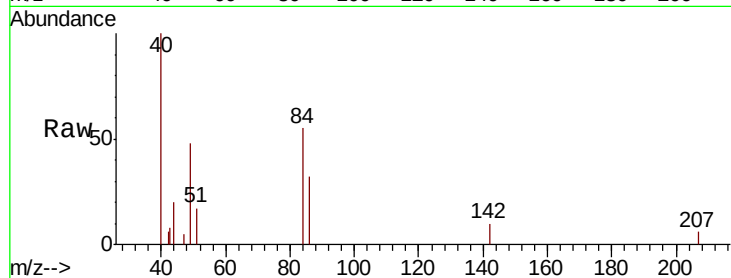




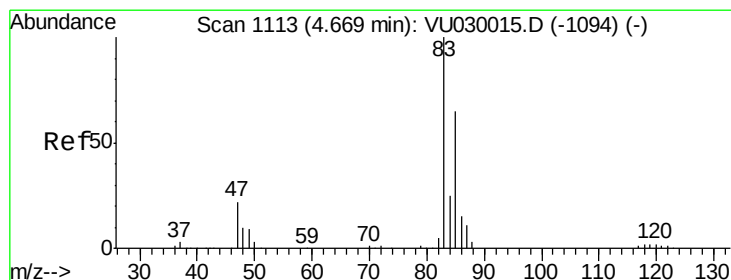
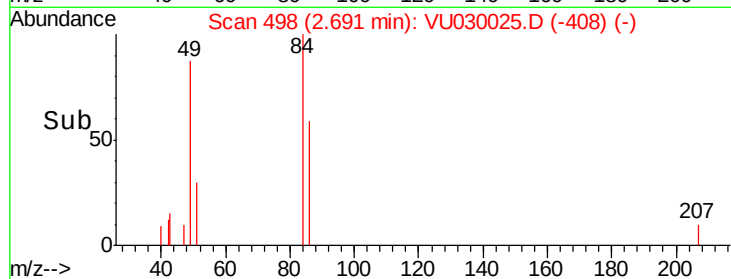
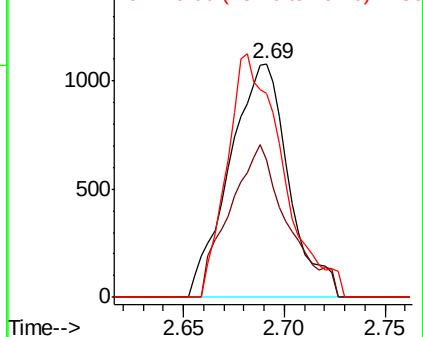
#16
Methylene chloride
Concen: 0.562 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.01 min
Lab File: VU030025.D
Acq: 13 Mar 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
BF0S6

Tgt Ion: 84 Resp: 2209
Ion Ratio Lower Upper
84 100
86 58.9 45.2 84.0
49 87.2 73.6 136.6

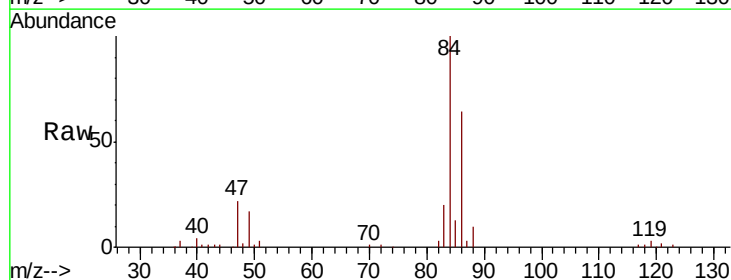


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

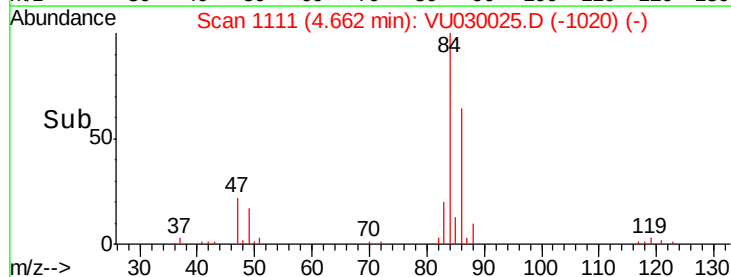
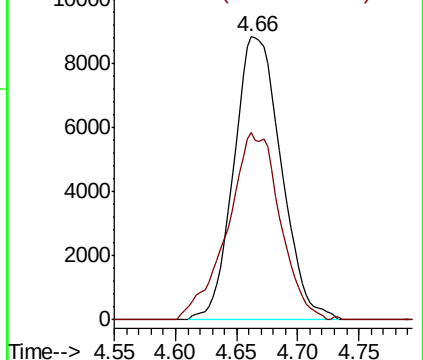


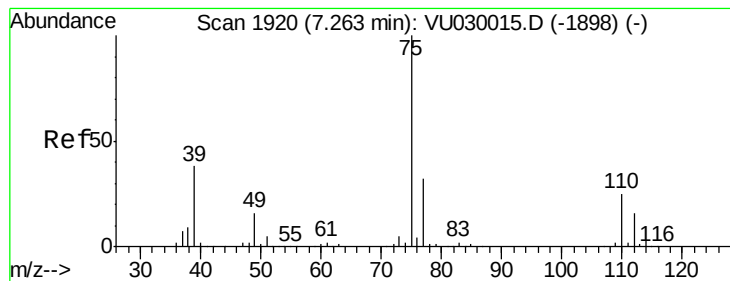
#25
Chloroform
Concen: 3.640 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VU030025.D
Acq: 13 Mar 2019 12:50

Tgt Ion: 83 Resp: 23792
Ion Ratio Lower Upper
83 100
85 66.1 44.9 83.5



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0





#39

cis-1,3-Dichloropropene

Concen: 0.611 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU030025.D

Acq: 13 Mar 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

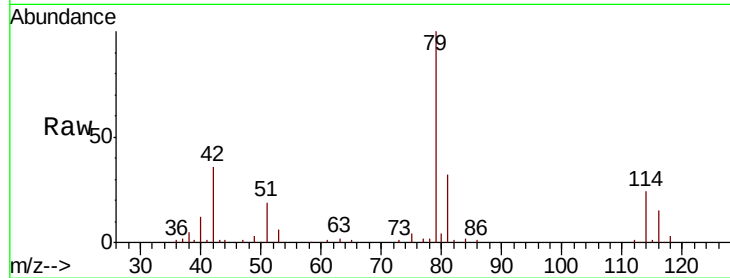
BF0S6

Tgt Ion: 75 Resp: 3890

Ion Ratio Lower Upper

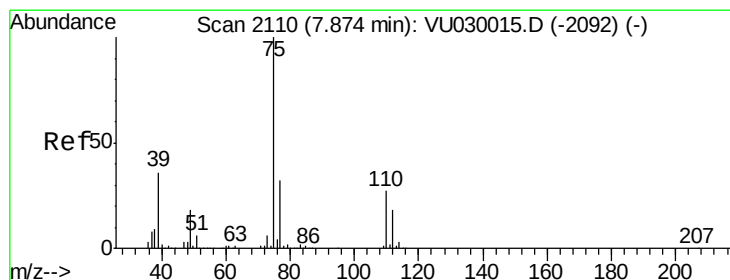
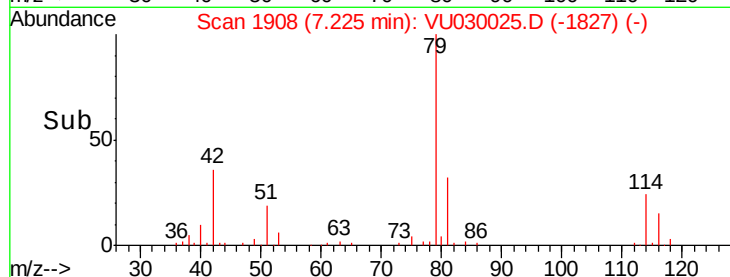
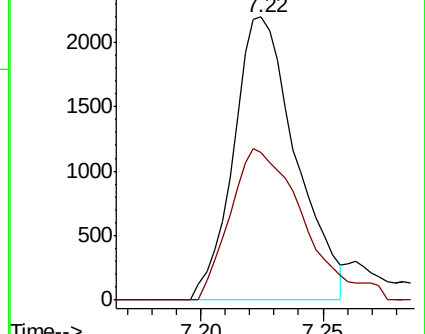
75 100

77 52.0 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.569 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030025.D

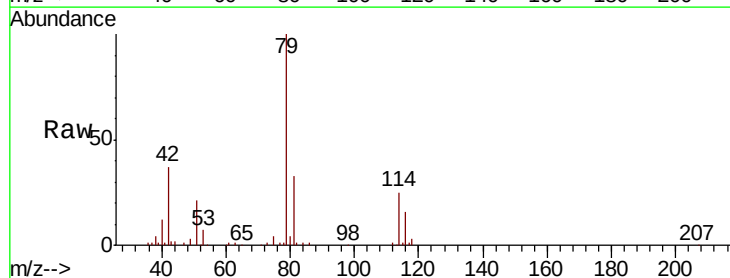
Acq: 13 Mar 2019 12:50

Tgt Ion: 75 Resp: 3306

Ion Ratio Lower Upper

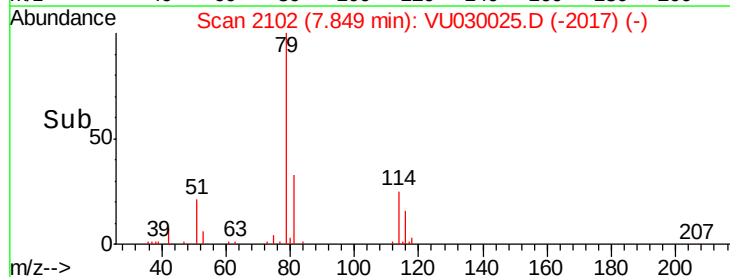
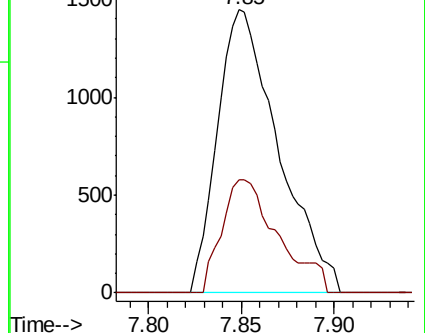
75 100

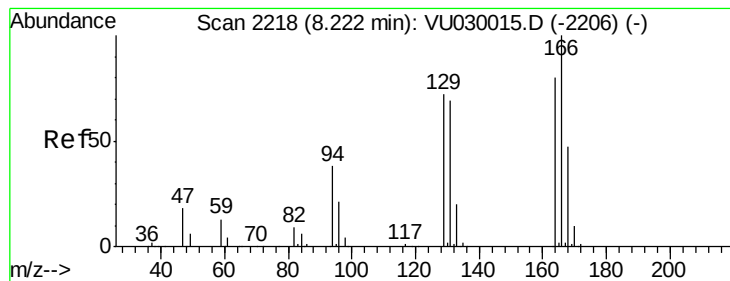
77 39.8 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#46

Tetrachloroethene

Concen: 98.812 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030025.D

Acq: 13 Mar 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

BF0S6

Tgt Ion:164 Resp: 352536

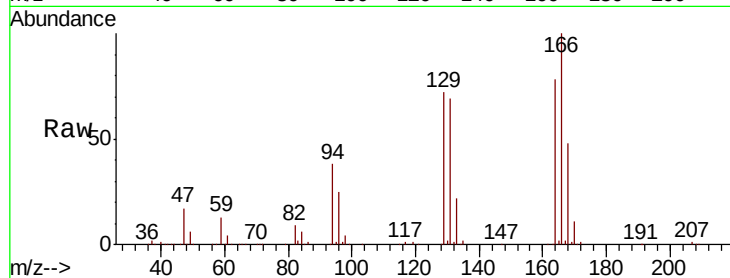
Ion Ratio Lower Upper

164 100

129 92.4 63.3 117.7

131 88.7 62.0 115.2

166 128.8 90.5 168.1

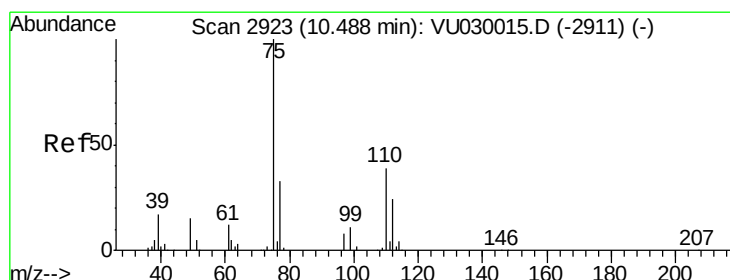
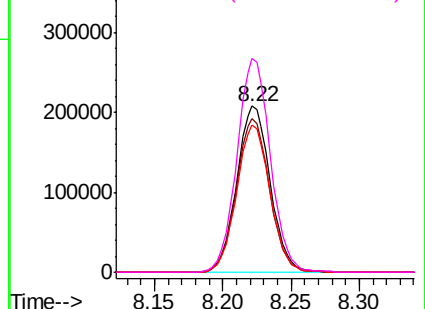
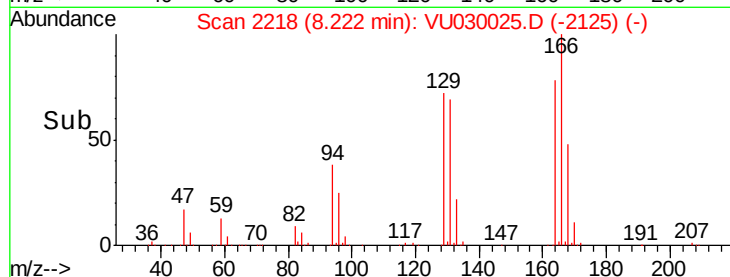


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 5.601 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030025.D

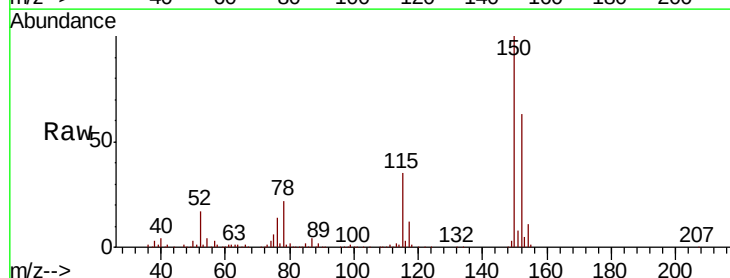
Acq: 13 Mar 2019 12:50

Tgt Ion: 75 Resp: 29845

Ion Ratio Lower Upper

75 100

77 36.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

