

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
 Data File : VU025069.D
 Acq On : 29 Jun 2018 14:59
 Operator : MD/SY
 Sample : J3766-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0ST1

Quant Time: Jun 29 23:42:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 29 23:41:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	361468	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	325510	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	156717	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	101779	47.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.20%
7) Chloroethane-d5	1.68	69	83238	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.42%
11) 1,1-Dichloroethene-d2	2.27	63	165275	35.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.14%
21) 2-Butanone-d5	4.18	46	178703	98.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.94%
24) Chloroform-d	4.65	84	215907	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
26) 1,2-Dichloroethane-d4	5.31	65	157916	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.24%
32) Benzene-d6	5.35	84	432012	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.74%
36) 1,2-Dichloropropane-d6	6.34	67	137884	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.94%
41) Toluene-d8	7.57	98	413361	47.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.85	79	68540	48.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.10%
47) 2-Hexanone-d5	8.31	63	128960	99.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.33%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	190131	47.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	166820	48.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.70%

Target Compounds

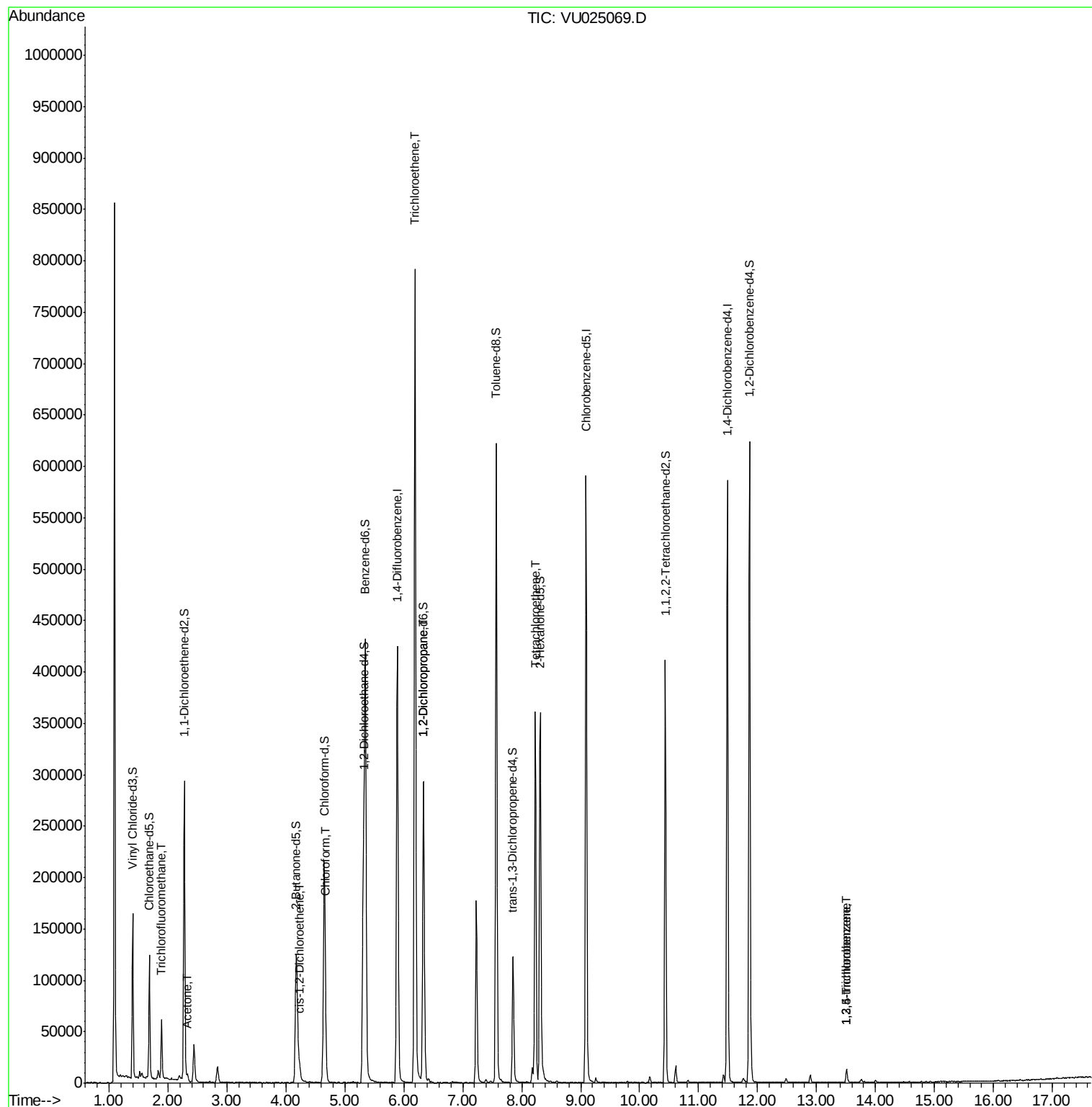
					Qvalue
9) Trichlorofluoromethane	1.89	101	32053	7.830 ug/L	98
13) Acetone	2.33	43	5808	3.129 ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	5967	2.152 ug/L	93
25) Chloroform	4.68	83	7455	1.528 ug/L	95
34) Trichloroethene	6.19	95	272333	103.704 ug/L	98
37) 1,2-Dichloropropane	6.34	63	16871	6.400 ug/L #	88
46) Tetrachloroethene	8.23	164	82075	36.922 ug/L	99
67) 1,3,5-Trichlorobenzene	13.51	180	5122	1.314 ug/L	94
68) 1,2,4-trichlorobenzene	13.51	180	5122	1.572 ug/L	94

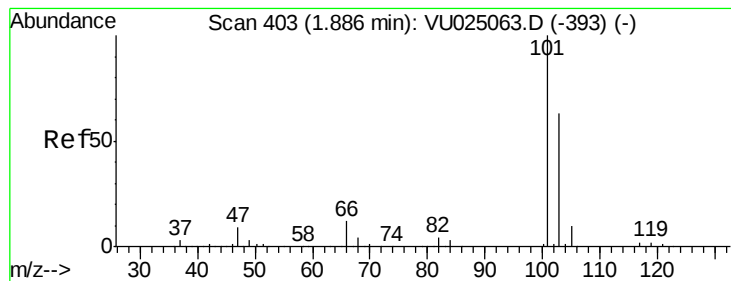
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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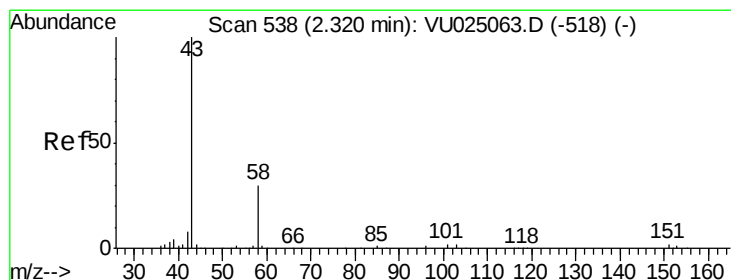
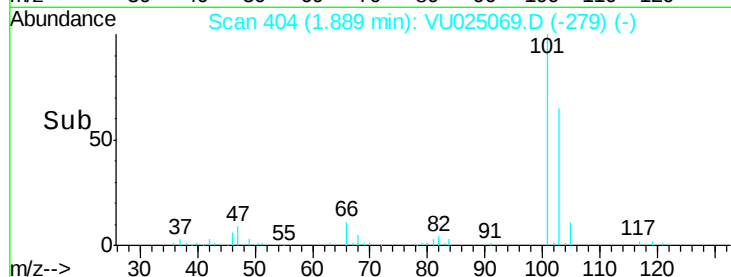
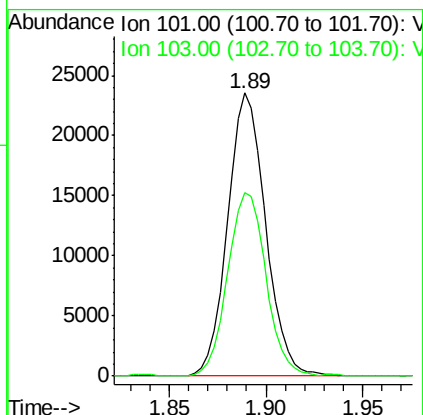
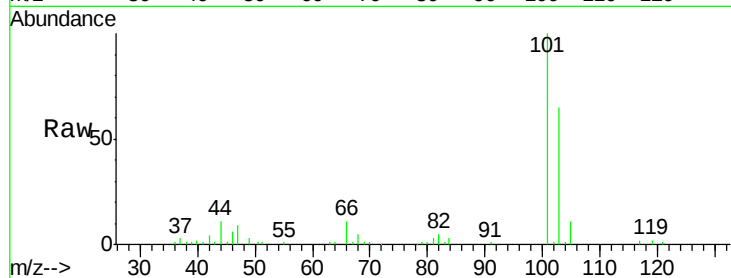


#9

Trichlorofluoromethane
 Concen: 7.830 ug/L
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU025069.D
 Acq: 29 Jun 2018 14:59

Instrument :
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 ClientSampleId :
 C0ST1

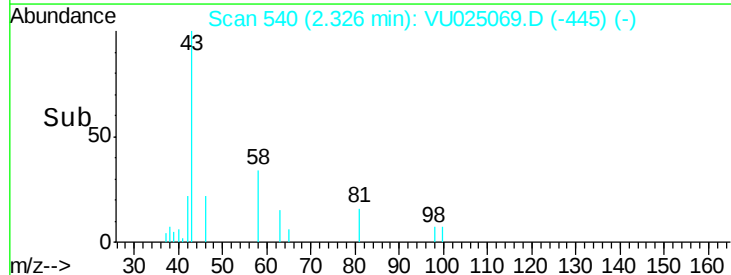
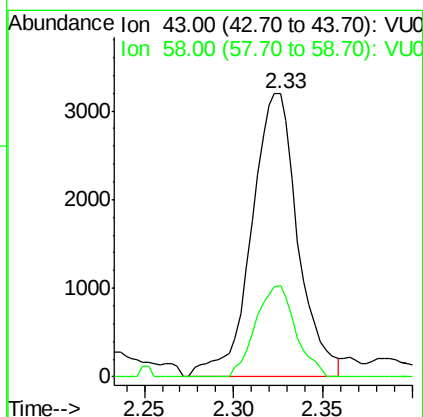
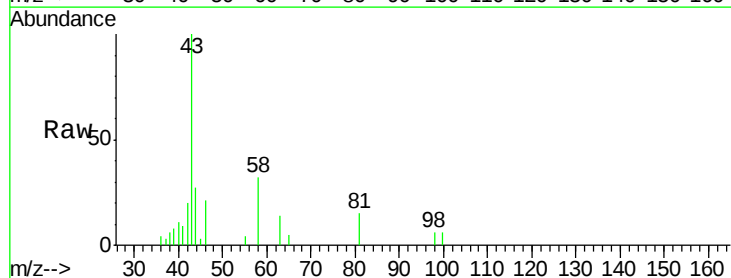
Tgt Ion:101 Resp: 32053
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.1 76.7

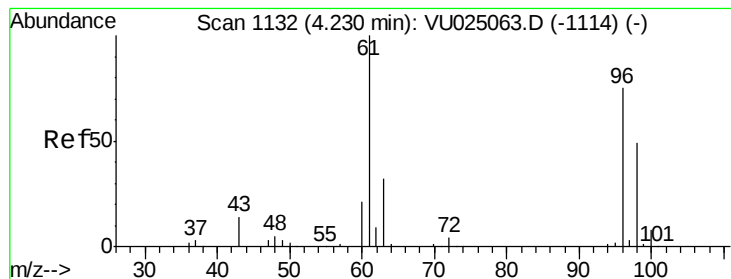


#13

Acetone
 Concen: 3.129 ug/L
 RT: 2.33 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VU025069.D
 Acq: 29 Jun 2018 14:59

Tgt Ion: 43 Resp: 5808
 Ion Ratio Lower Upper
 43 100
 58 27.8 0.0 59.4





#20

cis-1,2-Dichloroethene

Concen: 2.152 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025069.D

Acq: 29 Jun 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

C0ST1

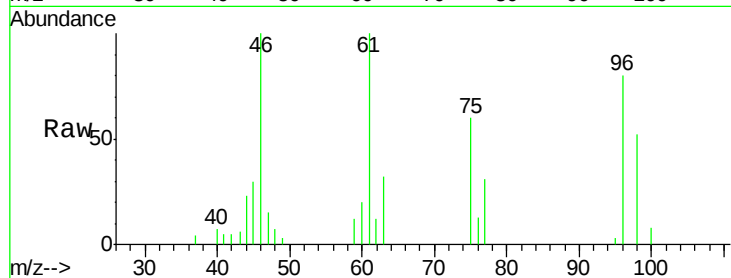
Tgt Ion: 96 Resp: 5967

Ion Ratio Lower Upper

96 100

61 125.7 93.4 173.6

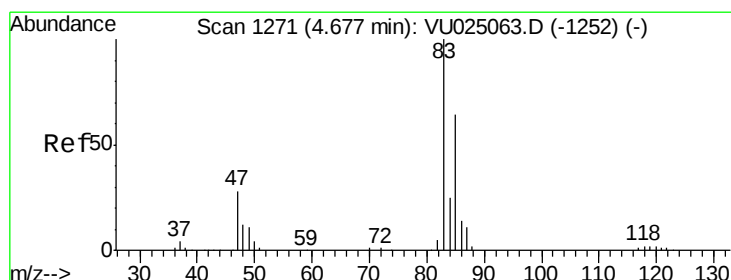
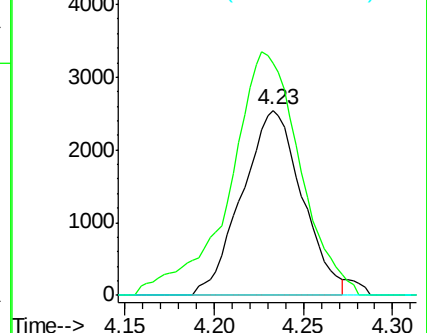
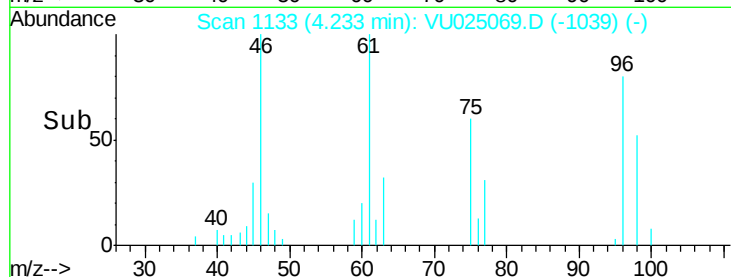
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU025069.D (-1039) (-)

Ion 61.00 (60.70 to 61.70): VU025069.D (-1039) (-)

Ion 68.00 (67.70 to 68.70): VU025069.D (-1039) (-)



#25

Chloroform

Concen: 1.528 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025069.D

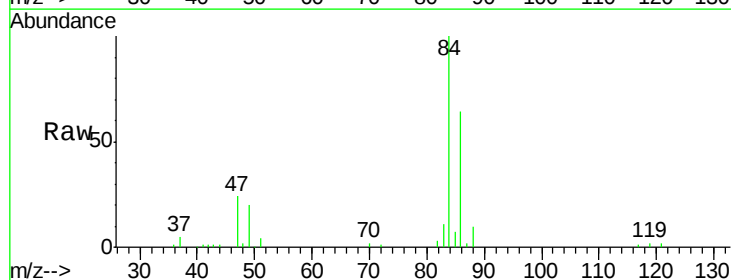
Acq: 29 Jun 2018 14:59

Tgt Ion: 83 Resp: 7455

Ion Ratio Lower Upper

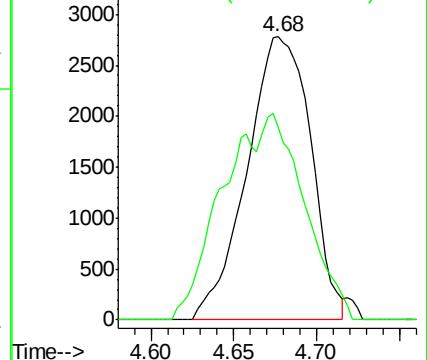
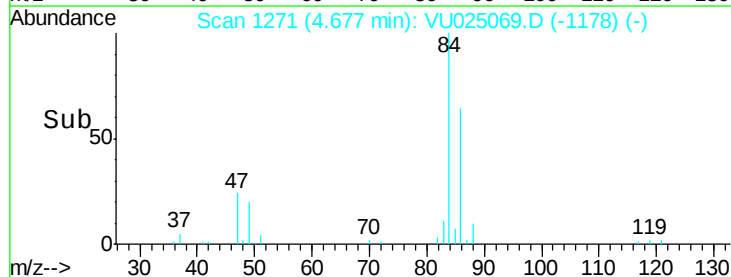
83 100

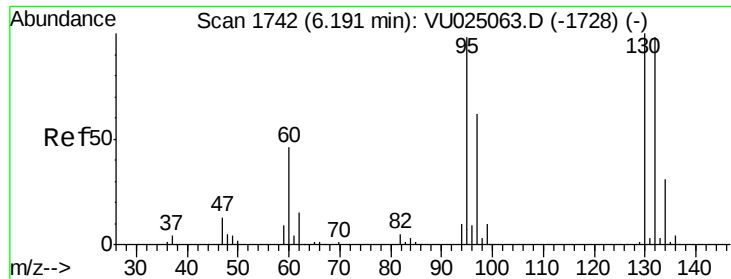
85 67.9 44.7 83.1



Abundance Ion 83.00 (82.70 to 83.70): VU025069.D (-1178) (-)

Ion 85.00 (84.70 to 85.70): VU025069.D (-1178) (-)

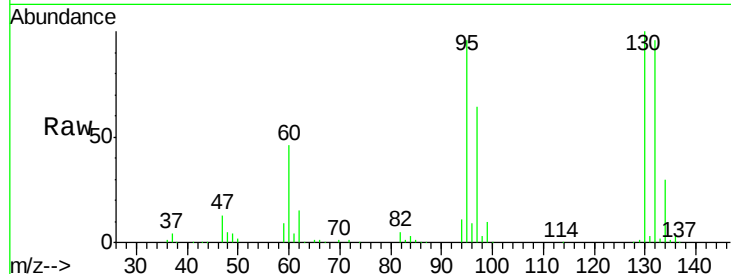




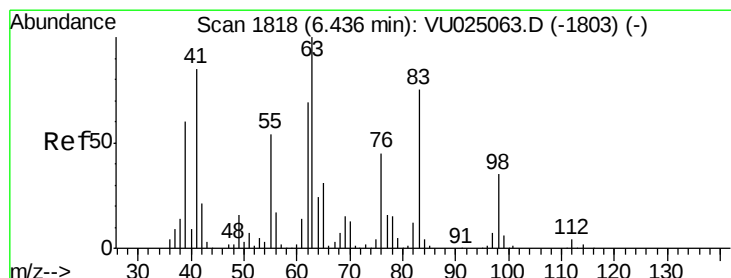
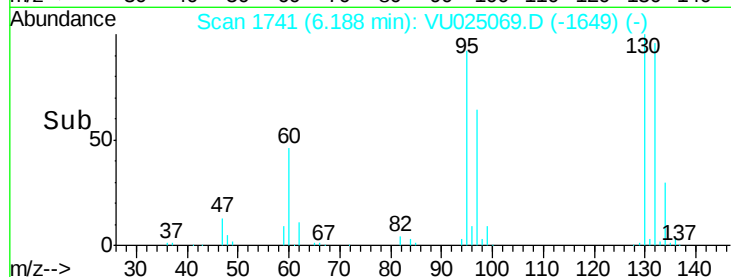
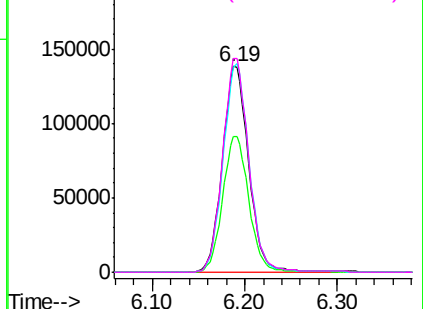
#34
 Trichloroethene
 Concen: 103.704 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025069.D
 Acq: 29 Jun 2018 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 C0ST1

Tgt Ion: 95 Resp: 272333
 Ion Ratio Lower Upper
 95 100
 97 66.1 44.1 81.9
 132 99.6 70.2 130.4
 130 103.8 71.7 133.1

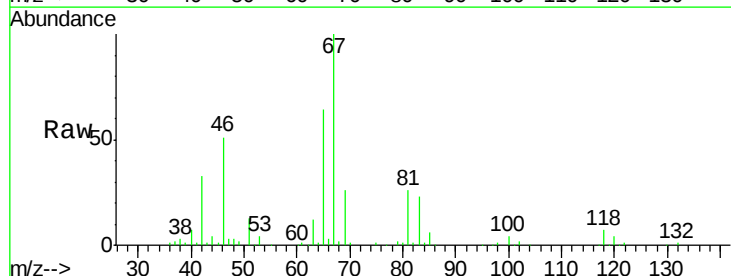


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

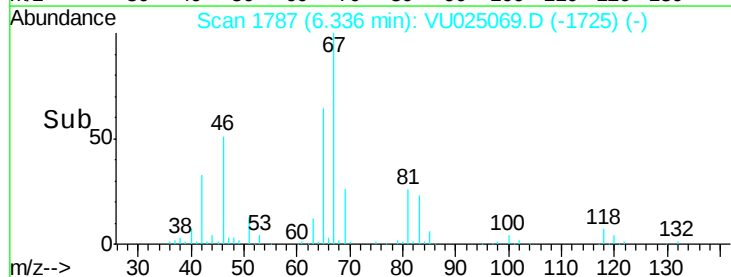
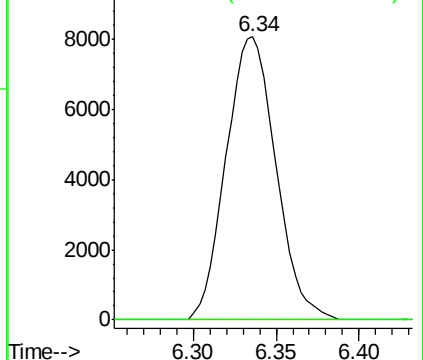


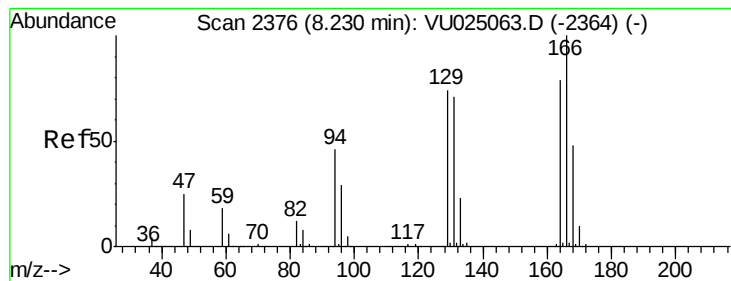
#37
 1,2-Dichloropropane
 Concen: 6.400 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU025069.D
 Acq: 29 Jun 2018 14:59

Tgt Ion: 63 Resp: 16871
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 112.00 (111.70 to 112.70): V





#46

Tetrachloroethene

Concen: 36.922 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025069.D

Acq: 29 Jun 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

C0ST1

Tgt Ion:164 Resp: 82075

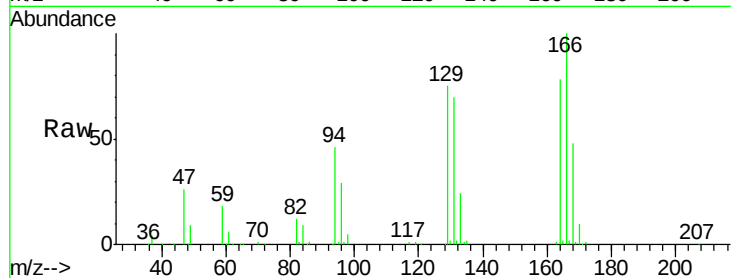
Ion Ratio Lower Upper

164 100

129 95.4 66.1 122.8

131 90.1 62.7 116.5

166 128.1 88.8 165.0

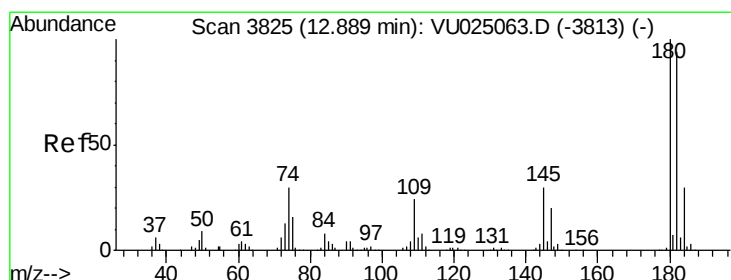
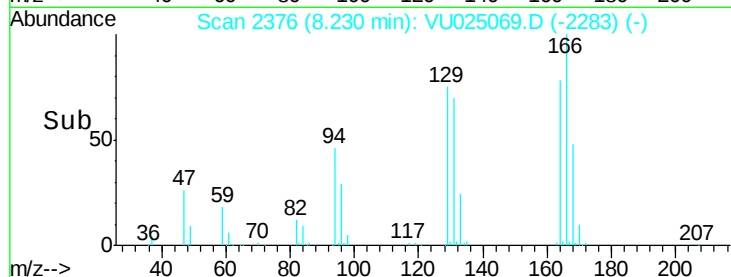
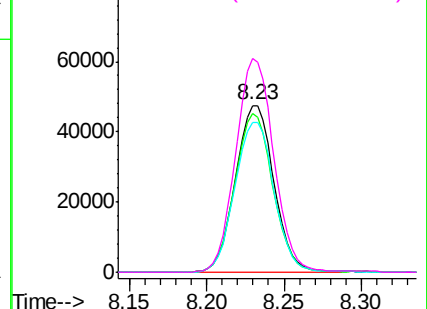


Abundance Ion 164.00 (163.70 to 164.70): V

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



#67

1,3,5-Trichlorobenzene

Concen: 1.314 ug/L

RT: 13.51 min Scan# 4019

Delta R.T. 0.62 min

Lab File: VU025069.D

Acq: 29 Jun 2018 14:59

Tgt Ion:180 Resp: 5122

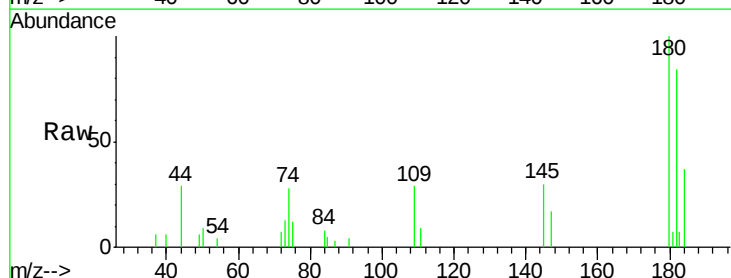
Ion Ratio Lower Upper

180 100

182 89.8 76.8 115.2

184 30.7 24.3 36.5

145 25.2 23.8 35.8

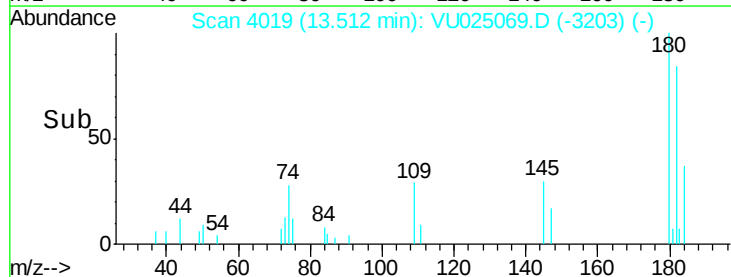
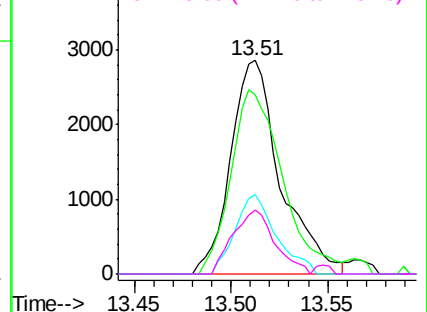


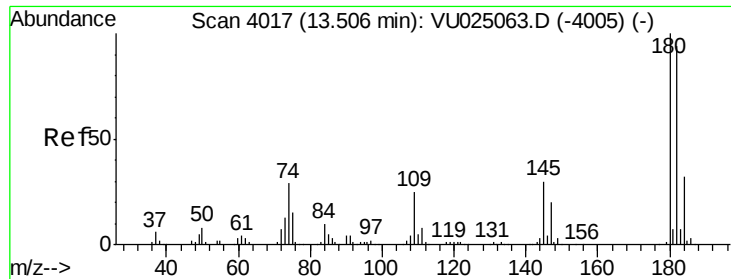
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

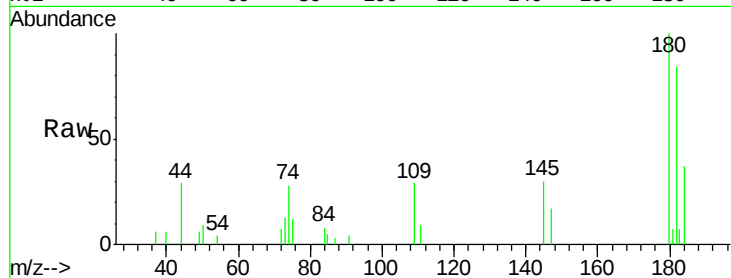




#68
 1,2,4-trichlorobenzene
 Concen: 1.572 ug/L
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU025069.D
 Acq: 29 Jun 2018 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 C0ST1

Tgt Ion:180 Resp: 5122
 Ion Ratio Lower Upper
 180 100
 182 89.8 75.9 113.9
 145 25.2 23.8 35.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

