

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU025992.D
 Acq On : 09 Aug 2018 13:33
 Operator : MD/SY
 Sample : J4361-07 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 05:16:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 05:14:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	296902	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	272504	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	120368	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	99860	46.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.02%
7) Chloroethane-d5	1.67	69	83365	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.90%
11) 1,1-Dichloroethene-d2	2.27	63	150741	36.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.10%
21) 2-Butanone-d5	4.18	46	172759	95.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.51%
24) Chloroform-d	4.65	84	217512	47.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.52%
26) 1,2-Dichloroethane-d4	5.31	65	152022	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.80%
32) Benzene-d6	5.34	84	429788	50.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.58%
36) 1,2-Dichloropropane-d6	6.33	67	140630	51.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.72%
41) Toluene-d8	7.57	98	393456	48.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.85	79	68196	49.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.88%
47) 2-Hexanone-d5	8.31	63	123163	99.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.04%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	193828	48.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	154015	51.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

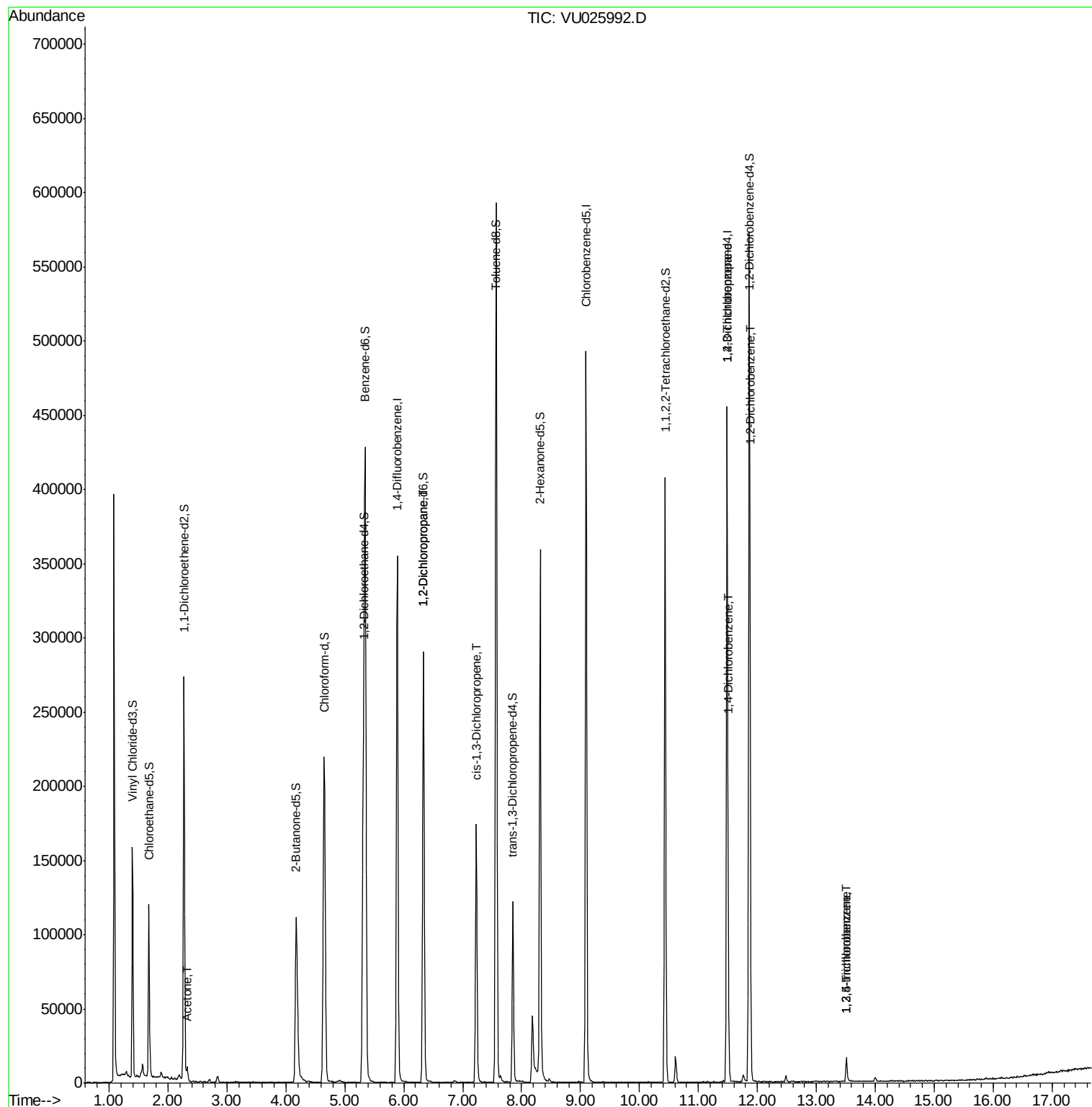
					Ovalue
13) Acetone	2.32	43	8590	7.645 ug/L	98
37) 1,2-Dichloropropane	6.34	63	15494	7.296 ug/L #	88
39) cis-1,3-Dichloropropene	7.23	75	4497	1.397 ug/L #	48
59) 1,2,3-Trichloropropane	11.49	75	15137	5.527 ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	7765	1.977 ug/L	94
65) 1,2-Dichlorobenzene	11.88	146	17065	4.278 ug/L	96
67) 1,3,5-Trichlorobenzene	13.51	180	6574	2.347 ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	6574	2.776 ug/L	98

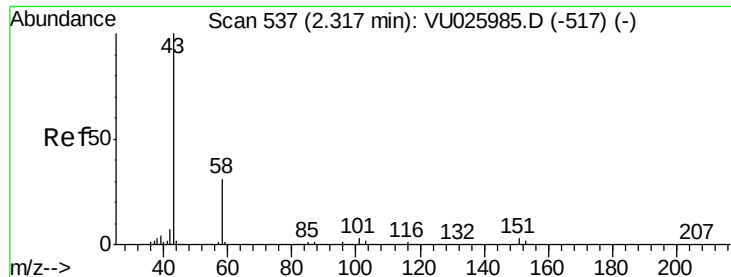
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 10 05:14:50 2018
Response via : Initial Calibration





#13

Acetone

Concen: 7.645 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.01 min

Lab File: VU025992.D

Acq: 09 Aug 2018 13:33

Instrument :

MSVOA_U

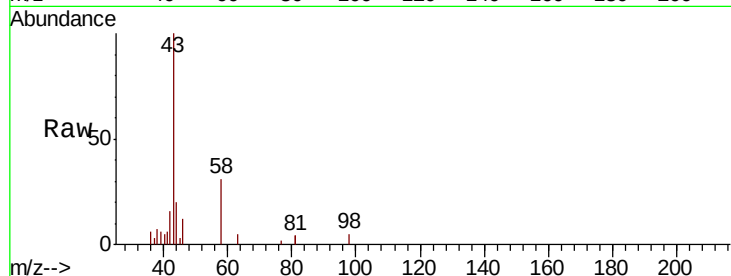
ClientSampleId :

Tot Ion: 43 Resp: 8590

Ion Ratio Lower Upper

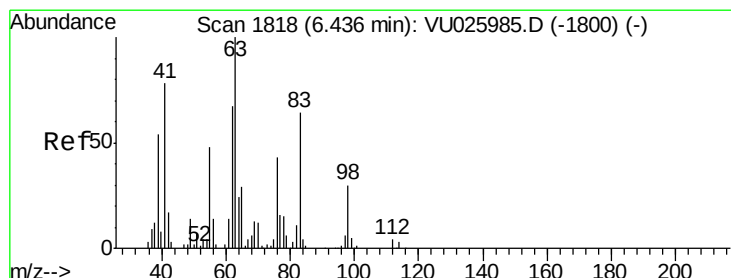
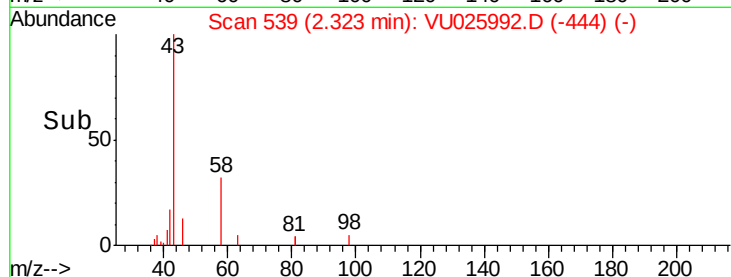
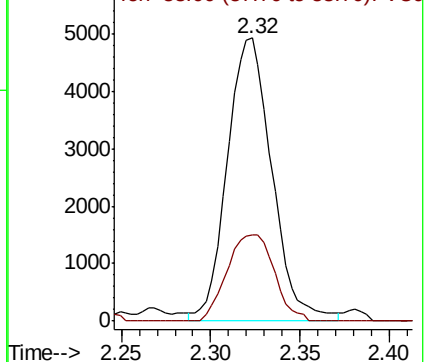
43 100

58 32.0 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#37

1,2-Dichloropropane

Concen: 7.296 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU025992.D

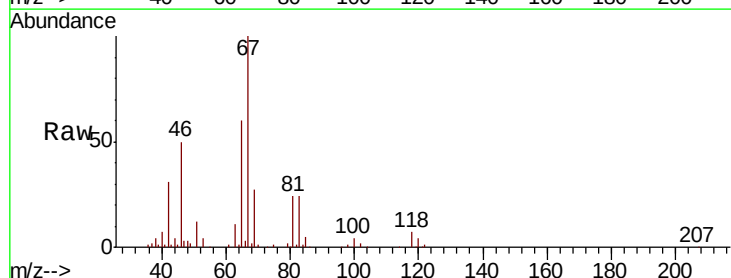
Acq: 09 Aug 2018 13:33

Tgt Ion: 63 Resp: 15494

Ion Ratio Lower Upper

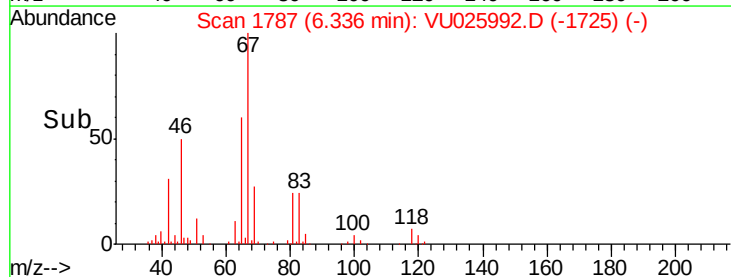
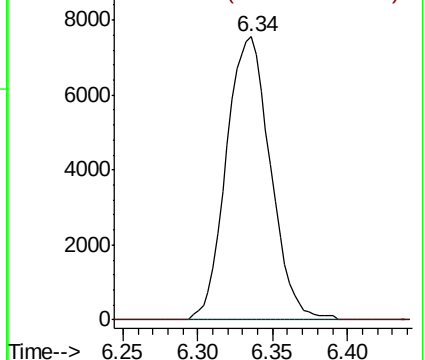
63 100

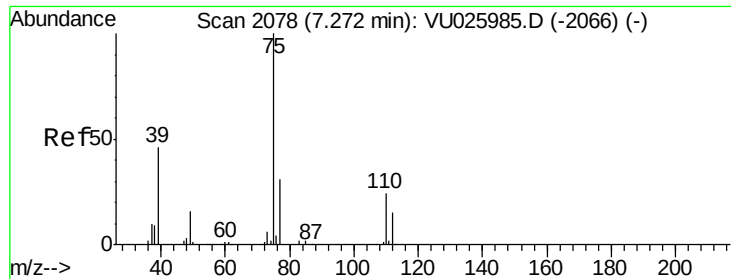
112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

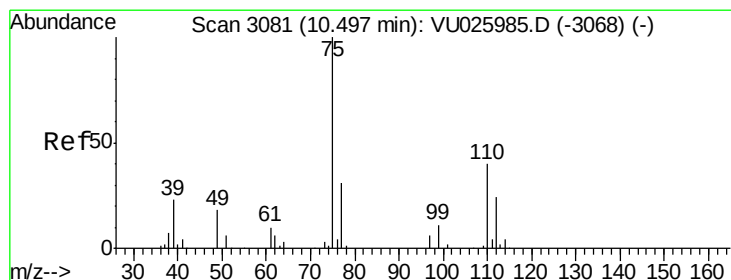
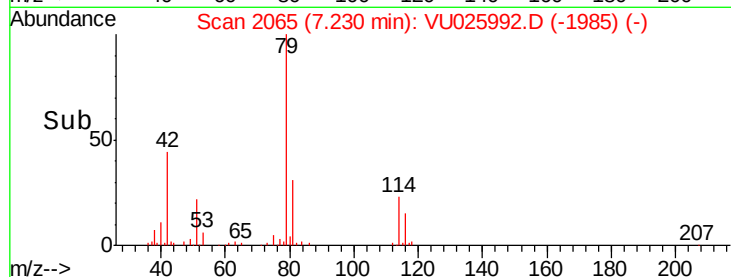
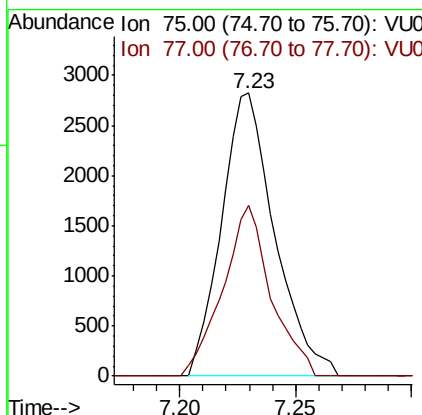
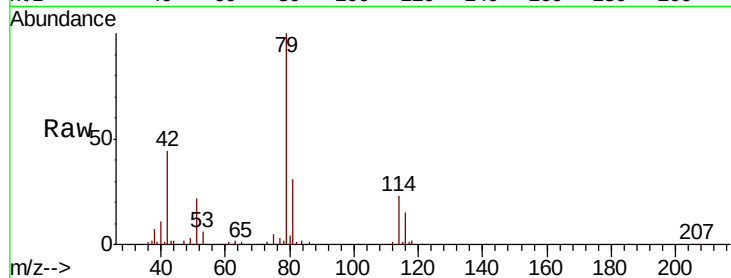




#39
 cis-1,3-Dichloropropene
 Concen: 1.397 ug/L
 RT: 7.23 min Scan# 2065
 Delta R.T. -0.04 min
 Lab File: VU025992.D
 Acq: 09 Aug 2018 13:33

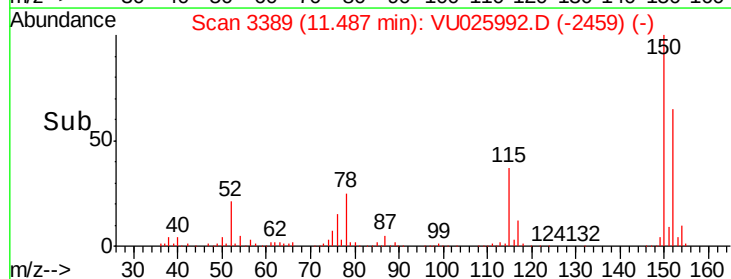
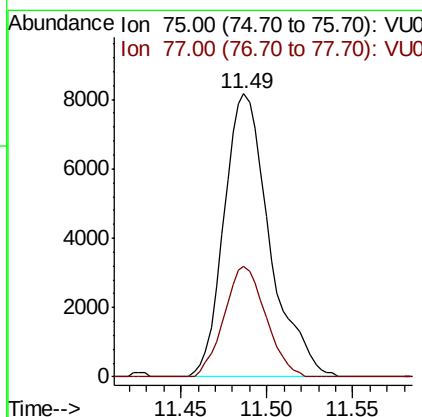
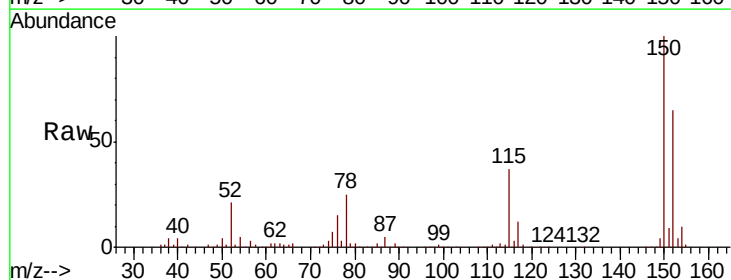
Instrument :
 MSVOA_U
 ClientSampleId :

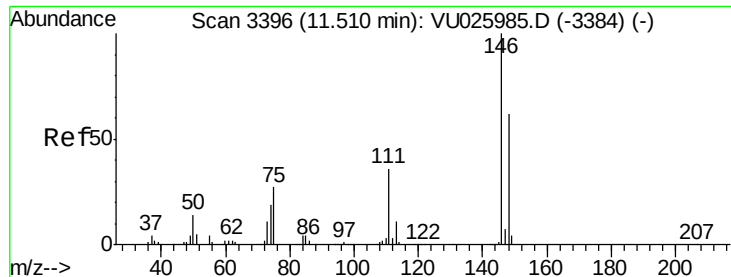
Tot Ion: 75 Resp: 4497
 Ion Ratio Lower Upper
 75 100
 77 60.3 22.1 41.1#



#59
 1,2,3-Trichloropropane
 Concen: 5.527 ug/L
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.99 min
 Lab File: VU025992.D
 Acq: 09 Aug 2018 13:33

Tgt Ion: 75 Resp: 15137
 Ion Ratio Lower Upper
 75 100
 77 35.7 25.3 37.9





#63

1,4-Dichlorobenzene

Concen: 1.977 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025992.D

Acq: 09 Aug 2018 13:33

Instrument :

MSVOA_U

ClientSampleId :

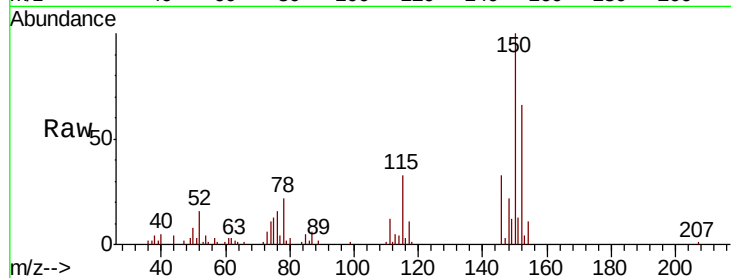
Tot Ion:146 Resp: 7765

Ion Ratio Lower Upper

146 100

111 35.4 26.4 49.0

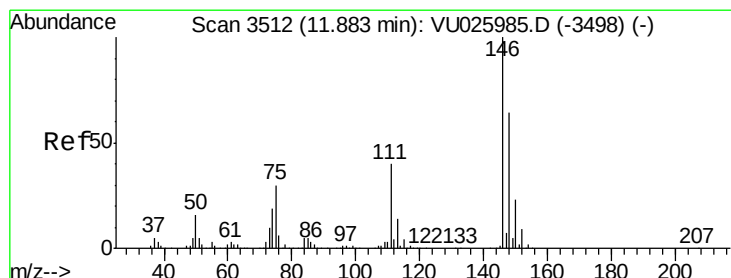
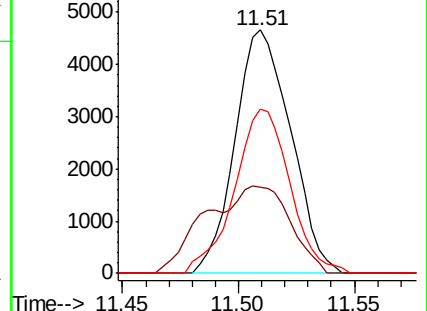
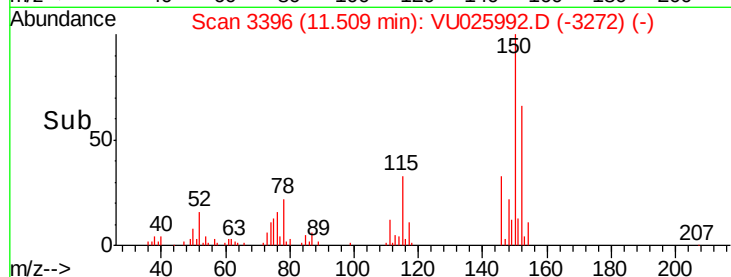
148 67.7 43.8 81.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 4.278 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025992.D

Acq: 09 Aug 2018 13:33

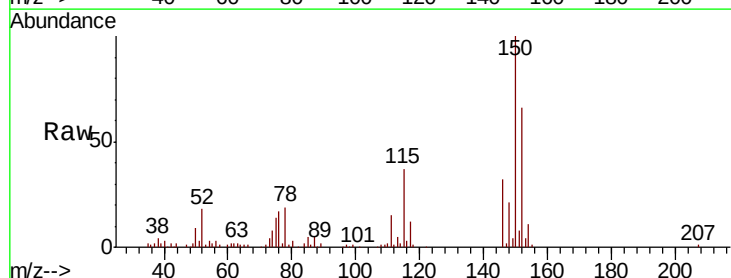
Tgt Ion:146 Resp: 17065

Ion Ratio Lower Upper

146 100

111 46.2 32.4 48.6

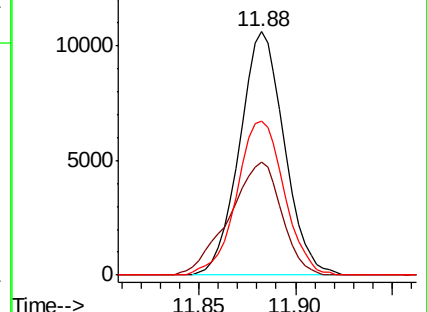
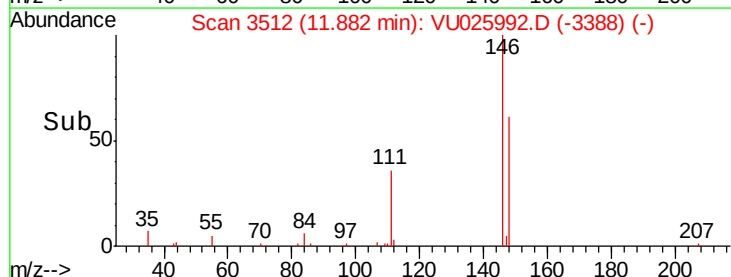
148 63.4 50.1 75.1

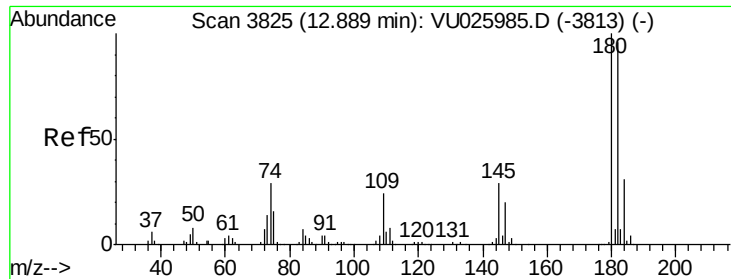


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

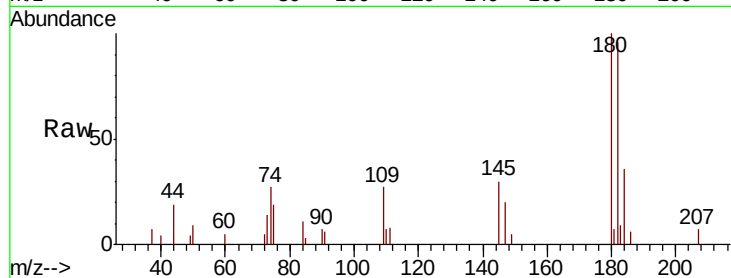




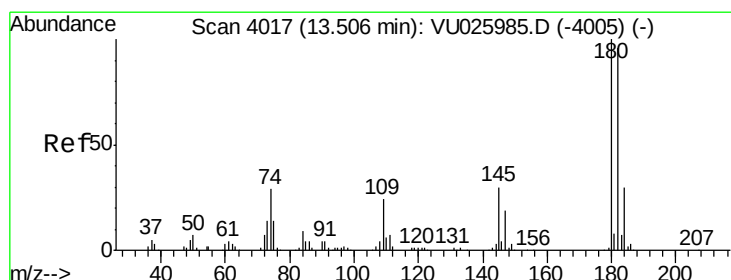
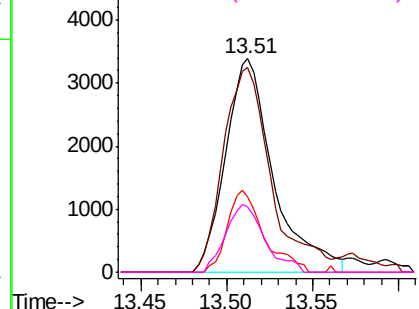
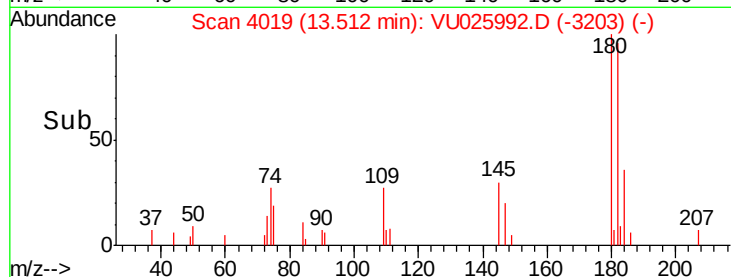
#67
 1,3,5-Trichlorobenzene
 Concen: 2.347 ug/L
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.62 min
 Lab File: VU025992.D
 Acq: 09 Aug 2018 13:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 6574
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.5 114.7
 184 26.0 24.3 36.5
 145 25.9 23.5 35.3

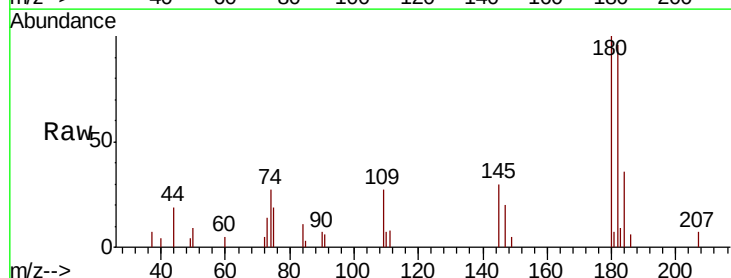


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.776 ug/L
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU025992.D
 Acq: 09 Aug 2018 13:33

Tgt Ion:180 Resp: 6574
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.5 114.7
 145 25.9 24.2 36.4



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

