

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
 Data File : VU025963.D
 Acq On : 08 Aug 2018 01:45
 Operator : MD/SY
 Sample : J4361-21
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA3

Quant Time: Aug 08 06:49:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 06:47:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	303515	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	279144	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	119042	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82426	49.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.02%
7) Chloroethane-d5	1.68	69	65127	51.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.26%
11) 1,1-Dichloroethene-d2	2.27	63	120892	37.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.22%
21) 2-Butanone-d5	4.18	46	129504	111.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.90%
24) Chloroform-d	4.65	84	169207	51.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.94%
26) 1,2-Dichloroethane-d4	5.31	65	115130	53.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.14%
32) Benzene-d6	5.35	84	328008	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.62%
36) 1,2-Dichloropropane-d6	6.34	67	105396	55.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.18%
41) Toluene-d8	7.57	98	300868	50.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.85	79	48036	47.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.78%
47) 2-Hexanone-d5	8.31	63	86004	108.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.03%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	139915	52.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	113365	57.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.30%

Target Compounds

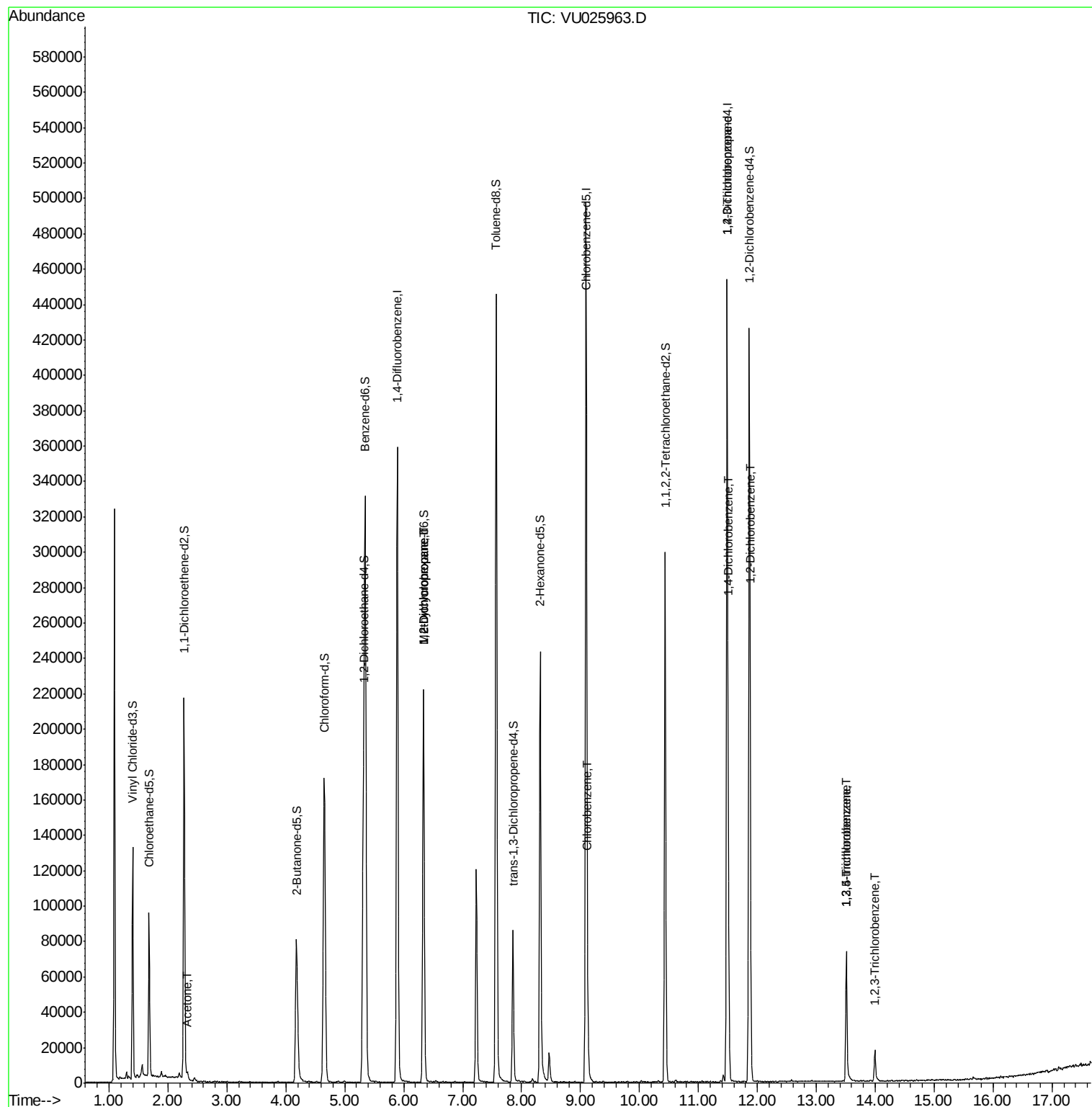
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.32	43	2020	1.475	ug/L	88
35) Methylcyclohexane	6.34	83	24966	8.123	ug/L #	20
37) 1,2-Dichloropropane	6.34	63	11768	6.037	ug/L #	88
51) Chlorobenzene	9.12	112	15331	2.812	ug/L	97
59) 1,2,3-Trichloropropane	11.49	75	19289	7.774	ug/L	89
63) 1,4-Dichlorobenzene	11.51	146	22537	6.211	ug/L	95
65) 1,2-Dichlorobenzene	11.89	146	19033	5.330	ug/L	96
67) 1,3,5-Trichlorobenzene	13.51	180	25265	9.627	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	25265	11.093	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	6922	2.966	ug/L	97

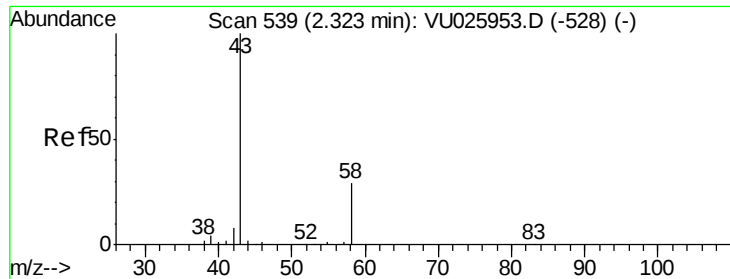
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.475 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025963.D

Acq: 08 Aug 2018 01:45

Instrument :

MSVOA_U

ClientSampleId :

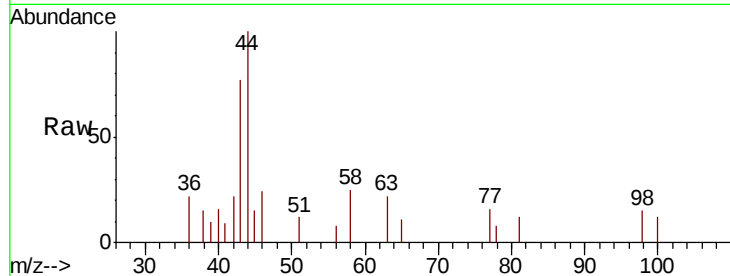
A4ZA3

Tgt Ion: 43 Resp: 2020

Ion Ratio Lower Upper

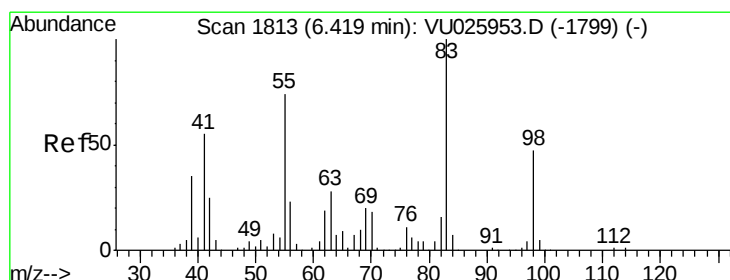
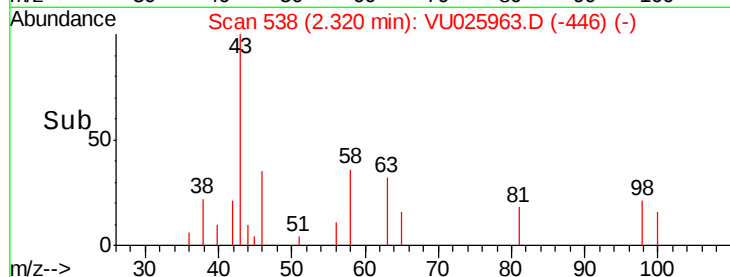
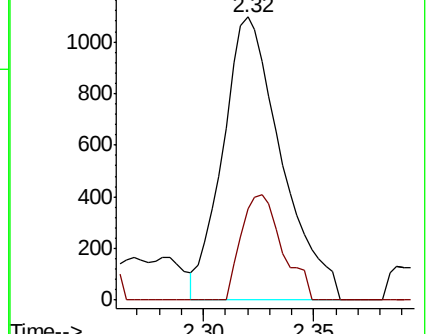
43 100

58 23.8 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#35

Methylcyclohexane

Concen: 8.123 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.08 min

Lab File: VU025963.D

Acq: 08 Aug 2018 01:45

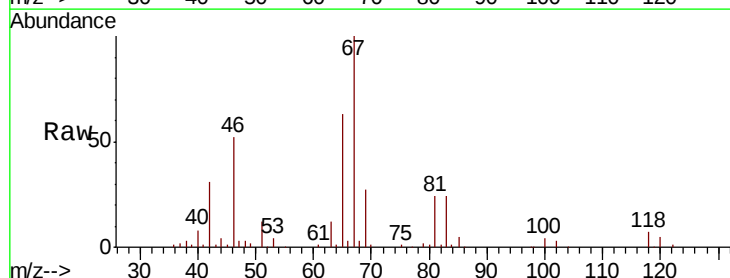
Tgt Ion: 83 Resp: 24966

Ion Ratio Lower Upper

83 100

55 0.4 58.3 87.5#

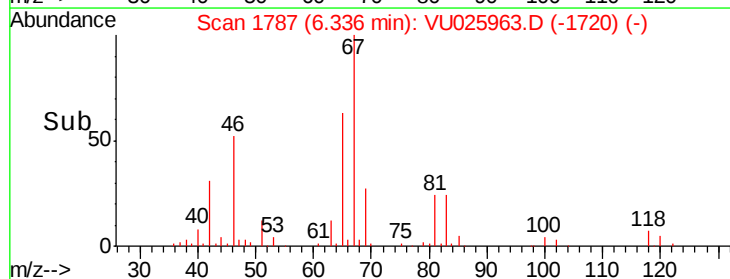
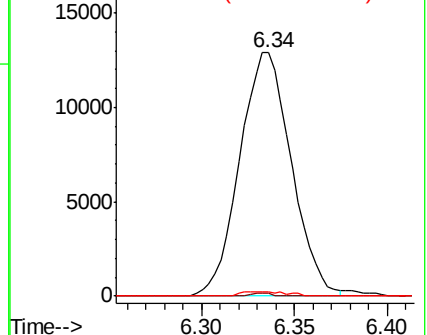
98 0.3 37.8 56.6#

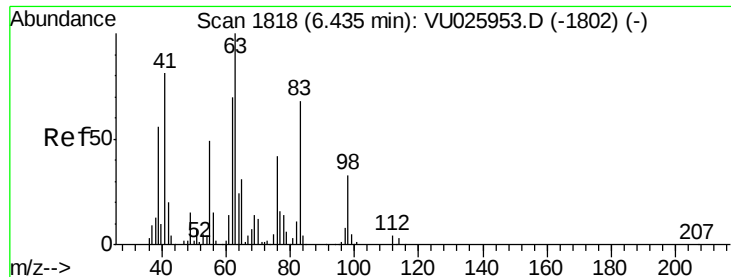


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

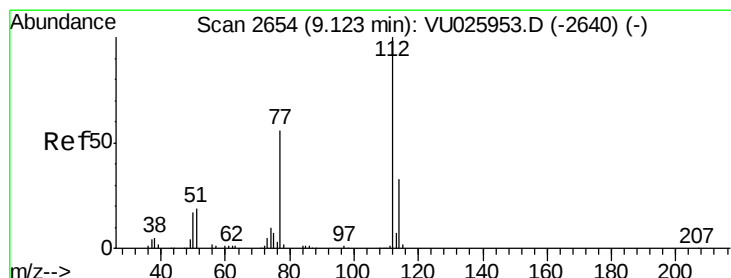
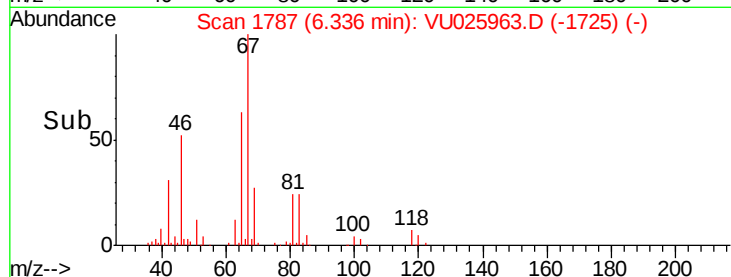
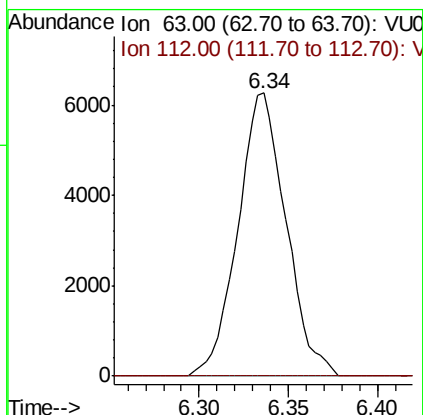
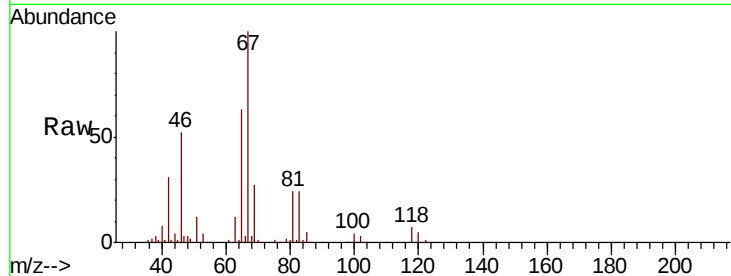




#37
 1,2-Dichloropropane
 Concen: 6.037 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU025963.D
 Acq: 08 Aug 2018 01:45

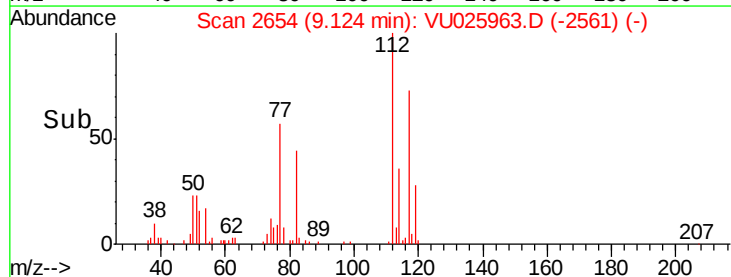
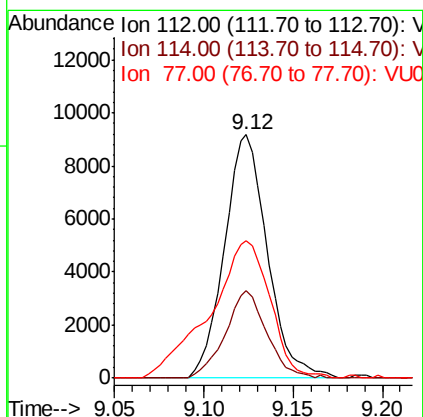
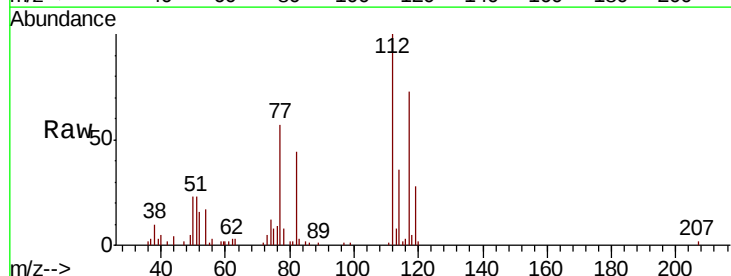
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA3

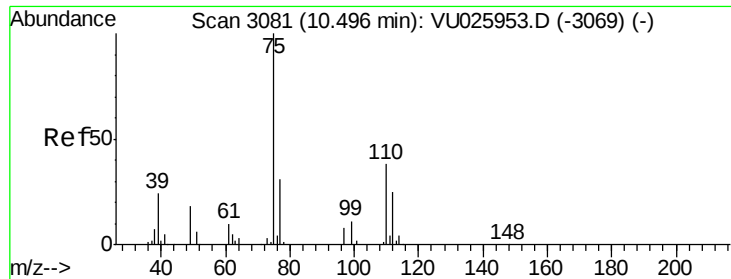
Tgt Ion: 63 Resp: 11768
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#51
 Chlorobenzene
 Concen: 2.812 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU025963.D
 Acq: 08 Aug 2018 01:45

Tgt Ion: 112 Resp: 15331
 Ion Ratio Lower Upper
 112 100
 114 35.8 22.9 42.5
 77 56.6 46.6 70.0





#59

1,2,3-Trichloropropane

Concen: 7.774 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU025963.D

Acq: 08 Aug 2018 01:45

Instrument :

MSVOA_U

ClientSampleId :

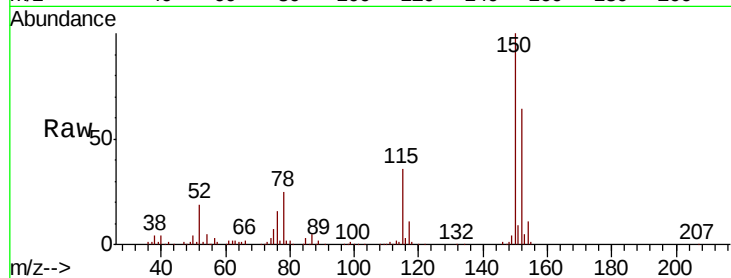
A4ZA3

Tgt Ion: 75 Resp: 19289

Ion Ratio Lower Upper

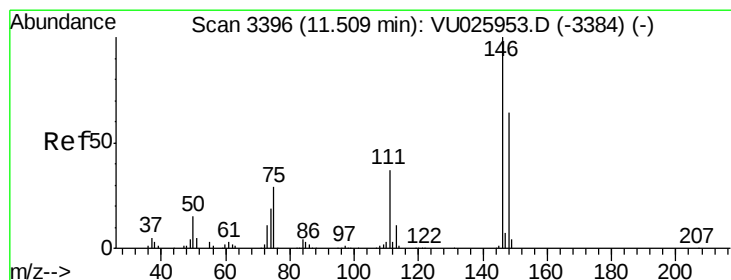
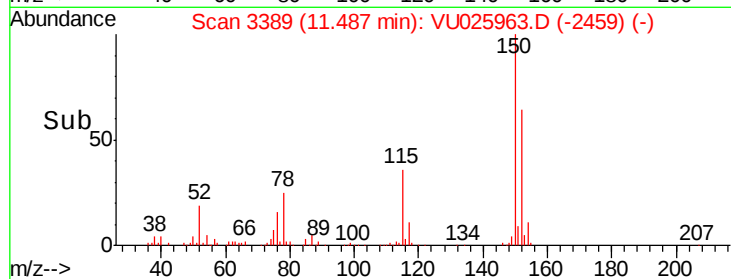
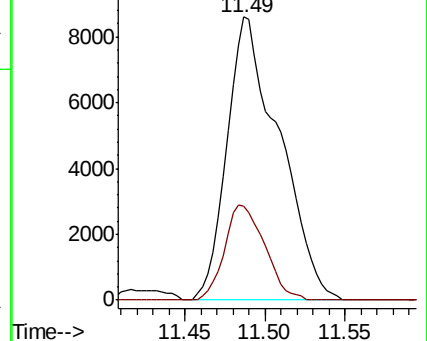
75 100

77 25.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#63

1,4-Dichlorobenzene

Concen: 6.211 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025963.D

Acq: 08 Aug 2018 01:45

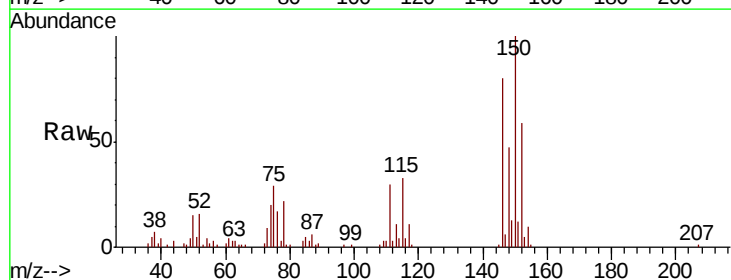
Tgt Ion: 146 Resp: 22537

Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.7

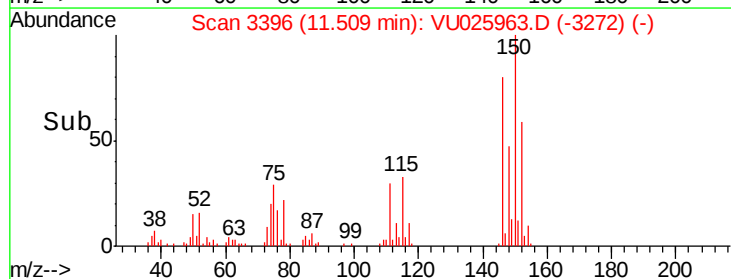
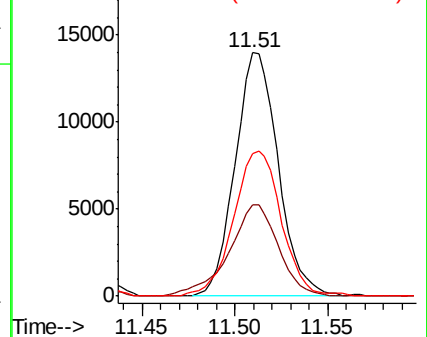
148 58.4 45.2 84.0

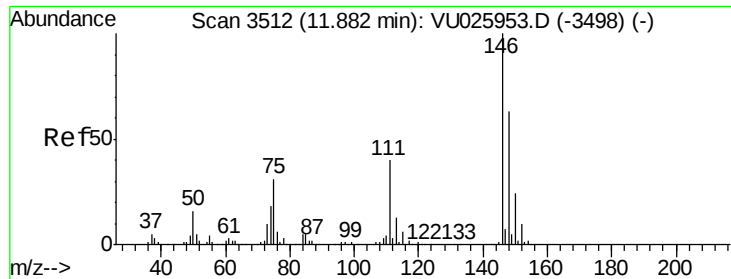


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.330 ug/L

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025963.D

Acq: 08 Aug 2018 01:45

Instrument :

MSVOA_U

ClientSampleId :

A4ZA3

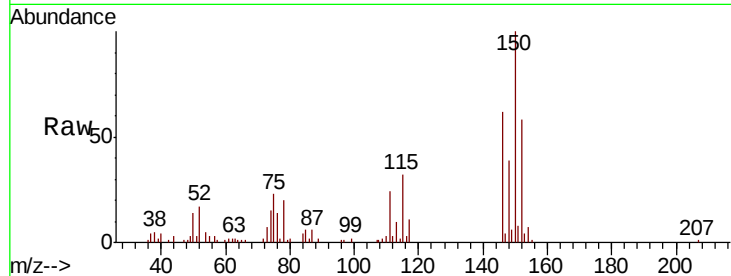
Tgt Ion:146 Resp: 19033

Ion Ratio Lower Upper

146 100

111 38.0 33.4 50.0

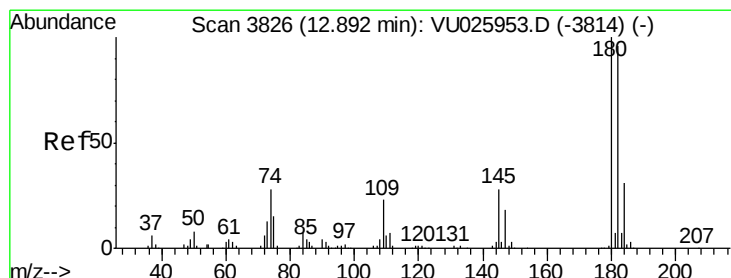
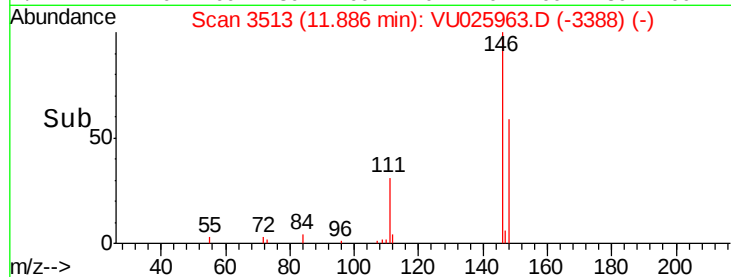
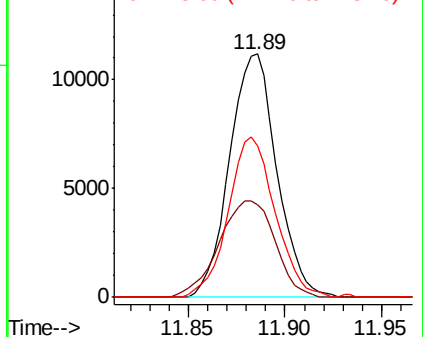
148 62.5 51.8 77.8



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: 9.627 ug/L

RT: 13.51 min Scan# 4018

Delta R.T. 0.62 min

Lab File: VU025963.D

Acq: 08 Aug 2018 01:45

Tgt Ion:180 Resp: 25265

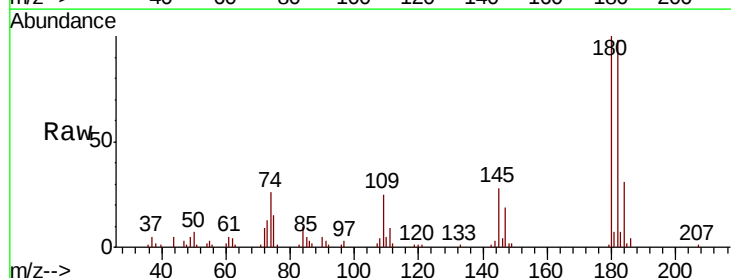
Ion Ratio Lower Upper

180 100

182 97.6 77.8 116.6

184 31.1 24.6 37.0

145 27.8 23.4 35.0

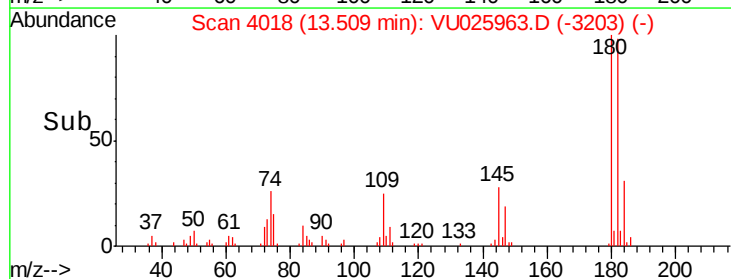
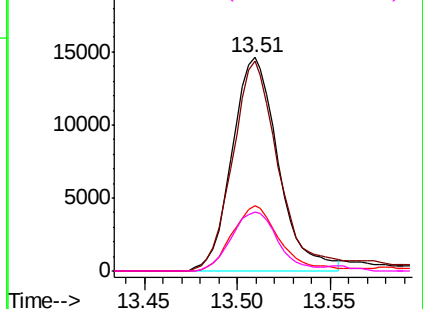


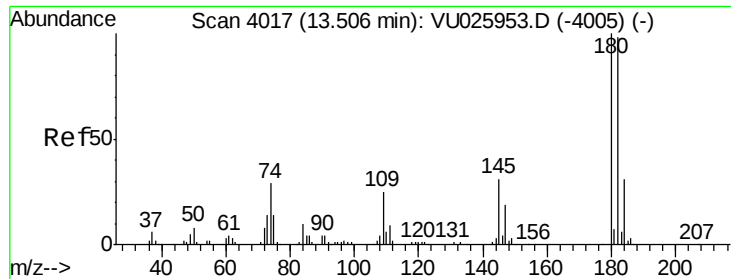
Abundance Ion 180.00 (179.70 to 180.70): V

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

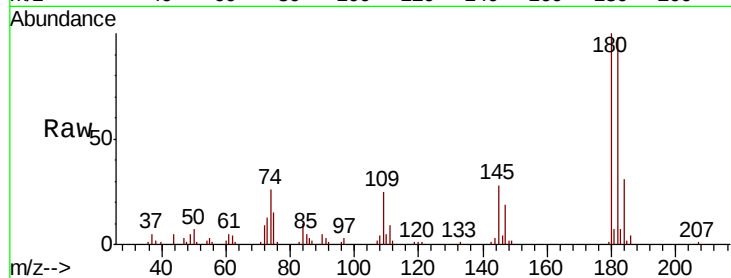




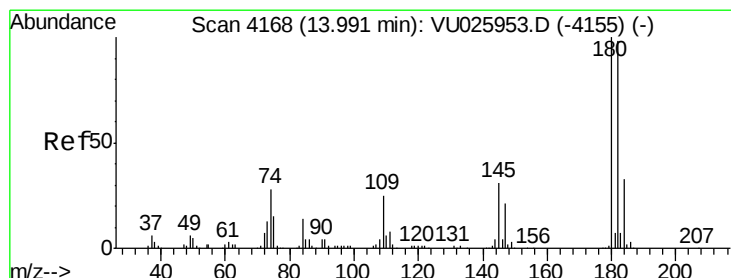
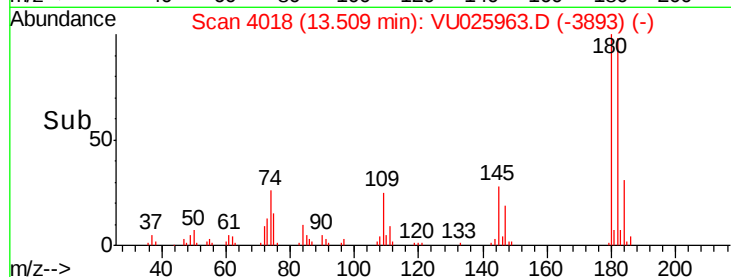
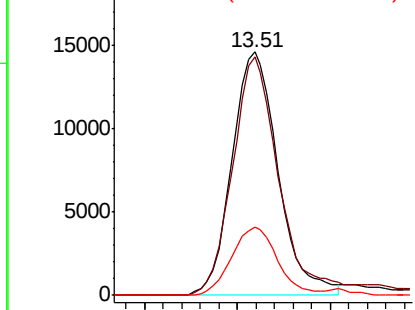
#68
 1,2,4-trichlorobenzene
 Concen: 11.093 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025963.D
 Acq: 08 Aug 2018 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA3

Tgt Ion:180 Resp: 25265
 Ion Ratio Lower Upper
 180 100
 182 97.6 75.3 112.9
 145 27.8 23.1 34.7

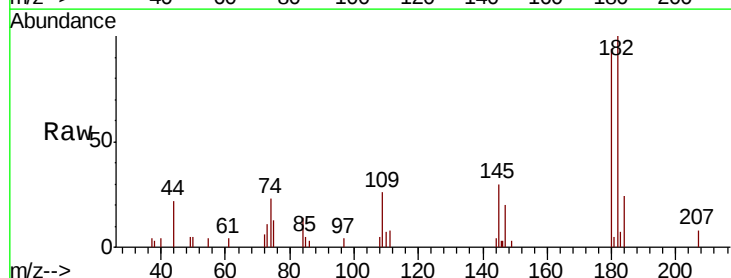


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 2.966 ug/L
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.01 min
 Lab File: VU025963.D
 Acq: 08 Aug 2018 01:45

Tgt Ion:180 Resp: 6922
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.6 116.4
 145 27.7 25.3 37.9



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

