

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025966.D
 Acq On : 08 Aug 2018 02:58
 Operator : MD/SY
 Sample : J4361-24
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA7

Quant Time: Aug 09 04:26:48 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	308199	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	297585	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	164397	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77863	45.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.18%
7) Chloroethane-d5	1.68	69	64409	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.58%
11) 1,1-Dichloroethene-d2	2.27	63	107775	32.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.16%
21) 2-Butanone-d5	4.18	46	127065	108.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.13%
24) Chloroform-d	4.65	84	167141	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.10%
26) 1,2-Dichloroethane-d4	5.31	65	111750	51.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.42%
32) Benzene-d6	5.35	84	327401	49.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.82%
36) 1,2-Dichloropropane-d6	6.33	67	102455	50.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.48%
41) Toluene-d8	7.57	98	301960	47.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.90%
43) trans-1,3-Dichloropropene-	7.85	79	48333	45.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.40%
47) 2-Hexanone-d5	8.31	63	84572	99.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.65%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	145240	51.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.82%
64) 1,2-Dichlorobenzene-d4	11.87	152	136676	50.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.66%

Target Compounds

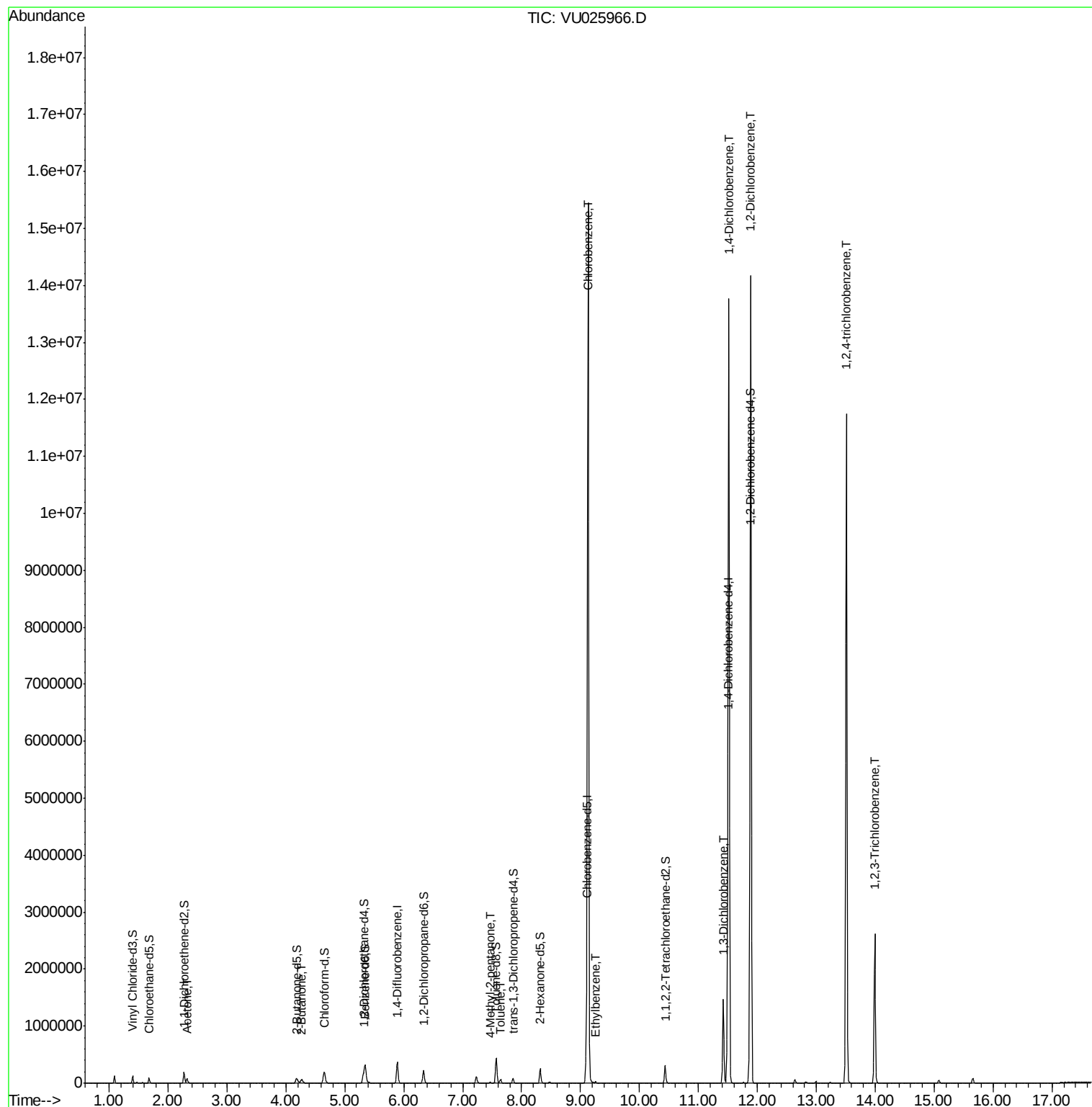
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	83754	60.21	ug/L	99
22) 2-Butanone	4.27	43	101994	58.64	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	8474	2.99	ug/L	91
42) Toluene	7.64	91	48618	5.73	ug/L	96
51) Chlorobenzene	9.13	112	8176719	1406.69	ug/L	99
52) Ethylbenzene	9.25	91	16922	1.75	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	596722	121.32	ug/L	99
63) 1,4-Dichlorobenzene	11.52	146	5506764	1098.95	ug/L	100
65) 1,2-Dichlorobenzene	11.89	146	5667504	1149.19	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	3562857	1132.70	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	800961	248.54	ug/L	100

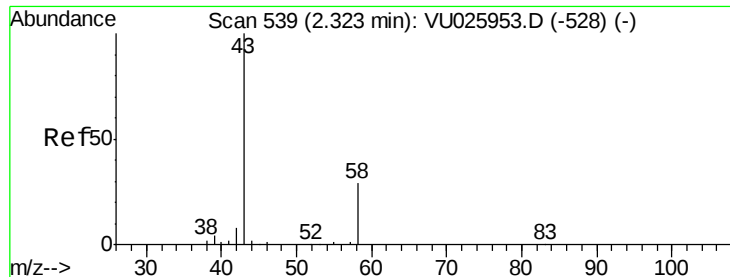
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 08 06:47:05 2018
Response via : Initial Calibration





#13

Acetone

Concen: 60.21 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025966.D

Acq: 08 Aug 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

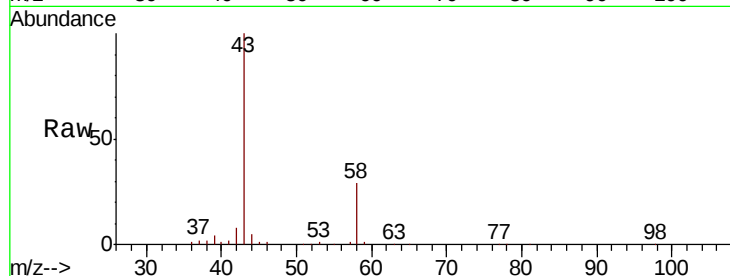
A4ZA7

Tot Ion: 43 Resp: 83754

Ion Ratio Lower Upper

43 100

58 29.5 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU025953.D (-528) (-)

Ion 58.00 (57.70 to 58.70): VU025953.D (-528) (-)

2.32

60000

50000

40000

30000

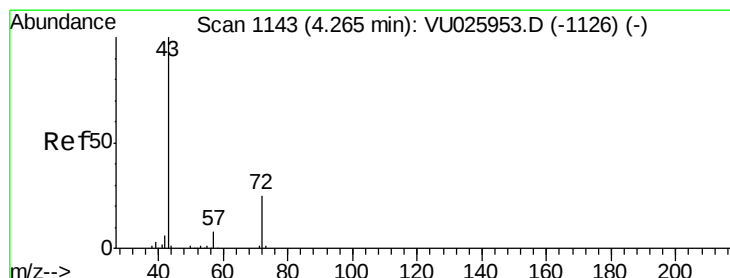
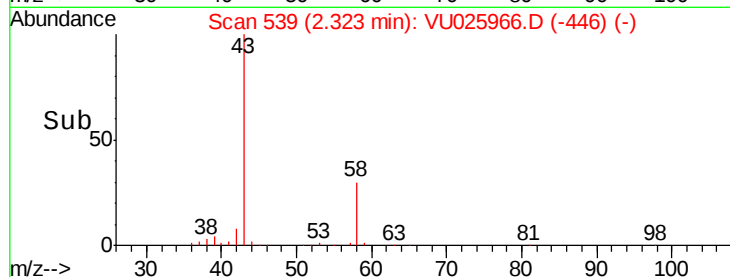
20000

10000

0

Time-->

2.25 2.30 2.35 2.40



#22

2-Butanone

Concen: 58.64 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025966.D

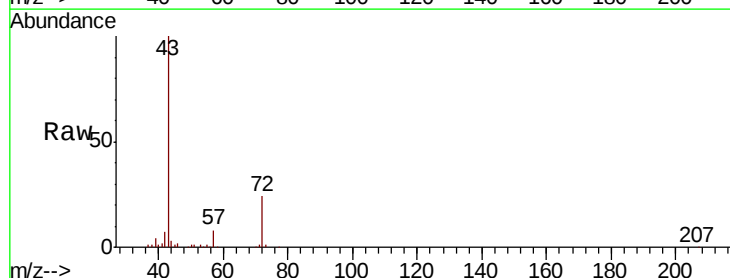
Acq: 08 Aug 2018 02:58

Tgt Ion: 43 Resp: 101994

Ion Ratio Lower Upper

43 100

72 25.8 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU025953.D (-1126) (-)

Ion 72.00 (71.70 to 72.70): VU025953.D (-1126) (-)

4.27

50000

40000

30000

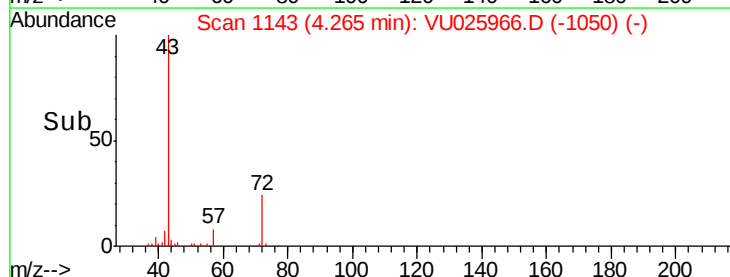
20000

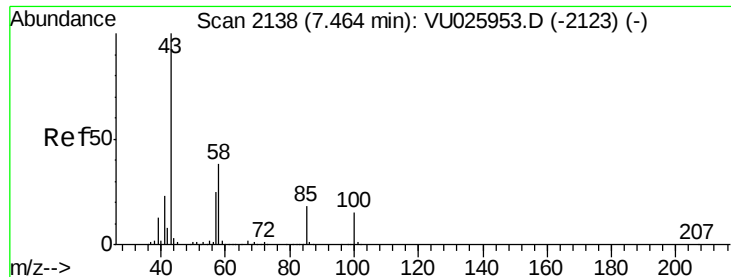
10000

0

Time-->

4.20 4.30 4.40

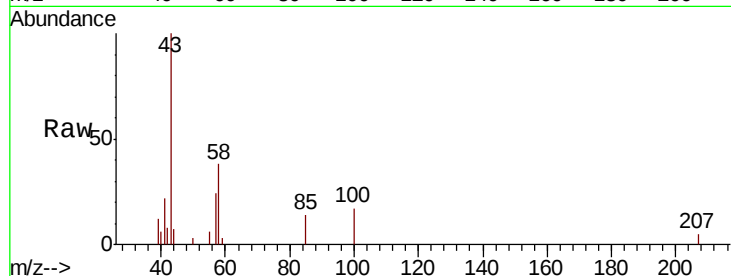




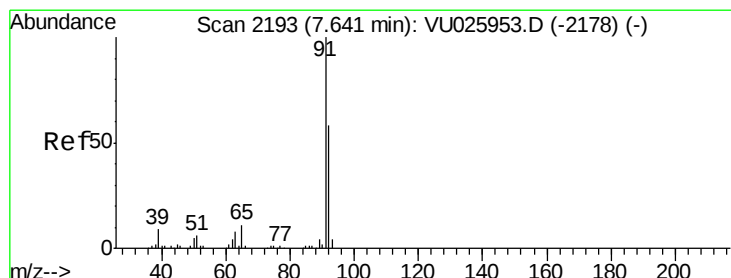
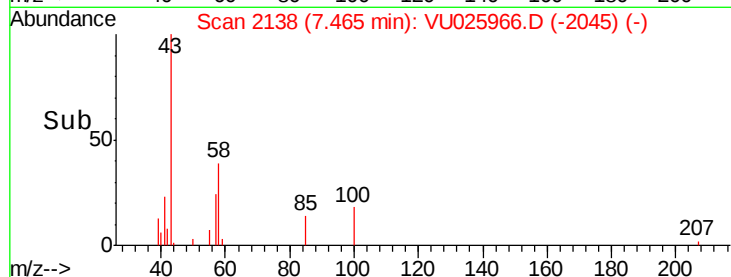
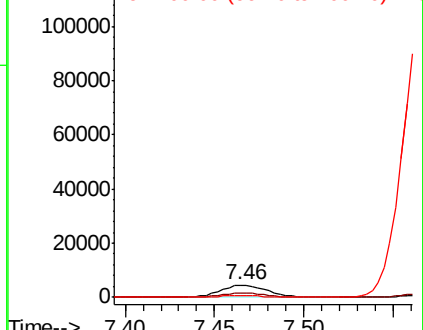
#40
4-Methyl-2-pentanone
Concen: 2.99 ug/L
RT: 7.46 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU025966.D
Acq: 08 Aug 2018 02:58

Instrument :
MSVOA_U
ClientSampleId :
A4ZA7

Tot Ion: 43 Resp: 8474
Ion Ratio Lower Upper
43 100
58 32.8 31.0 46.4
100 12.5 12.4 18.6

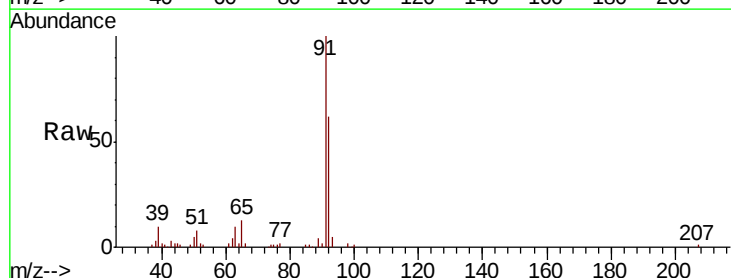


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

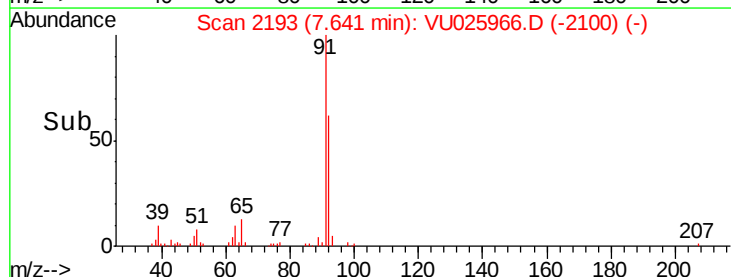
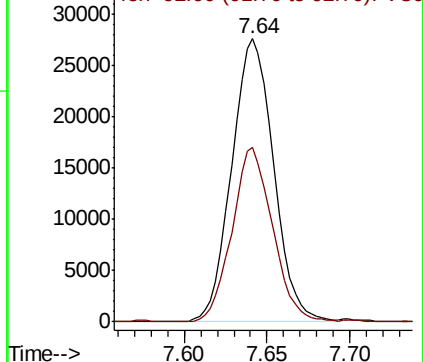


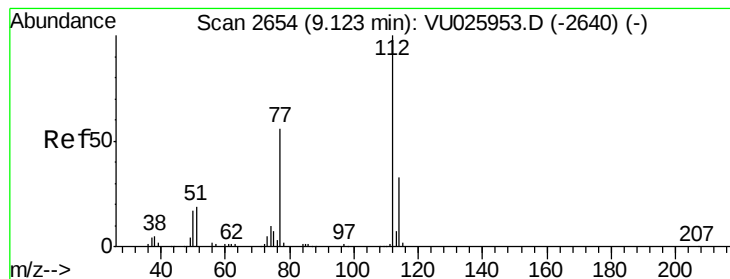
#42
Toluene
Concen: 5.73 ug/L
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025966.D
Acq: 08 Aug 2018 02:58

Tgt Ion: 91 Resp: 48618
Ion Ratio Lower Upper
91 100
92 61.6 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





#51

Chlorobenzene

Concen: 1406.69 ug/L

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU025966.D

Acq: 08 Aug 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

A4ZA7

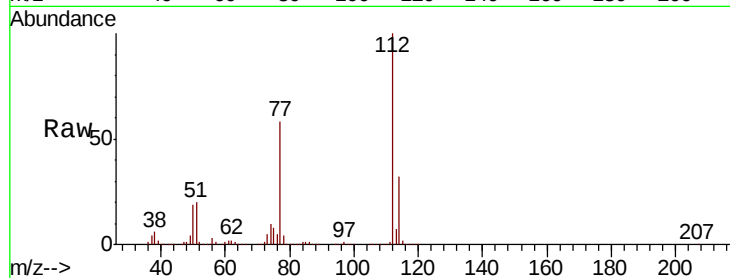
Tot Ion:112 Resp: 8176719

Ion Ratio Lower Upper

112 100

114 32.4 22.9 42.5

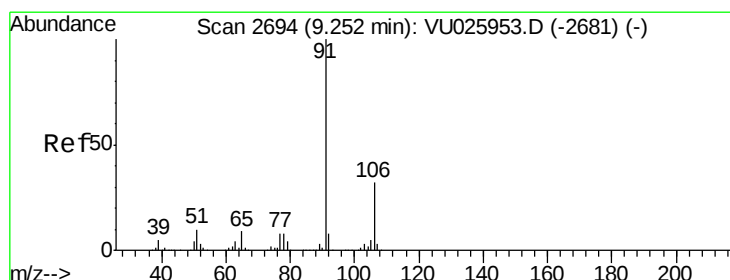
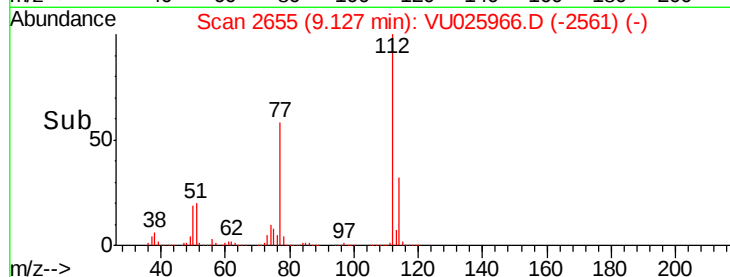
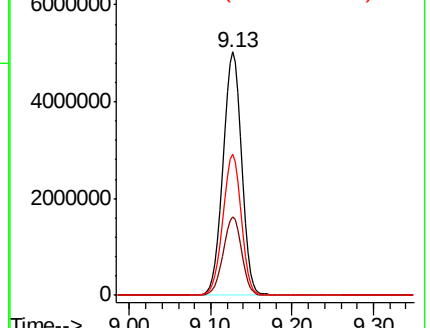
77 57.8 46.6 70.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU



#52

Ethylbenzene

Concen: 1.75 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025966.D

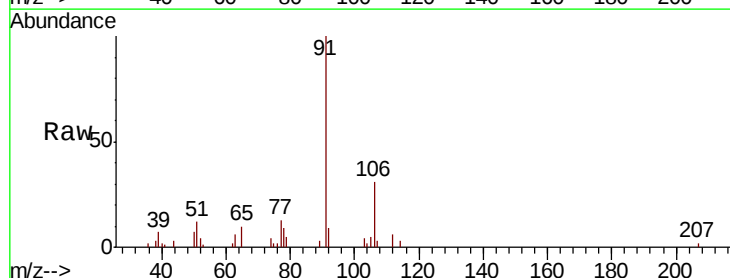
Acq: 08 Aug 2018 02:58

Tgt Ion: 91 Resp: 16922

Ion Ratio Lower Upper

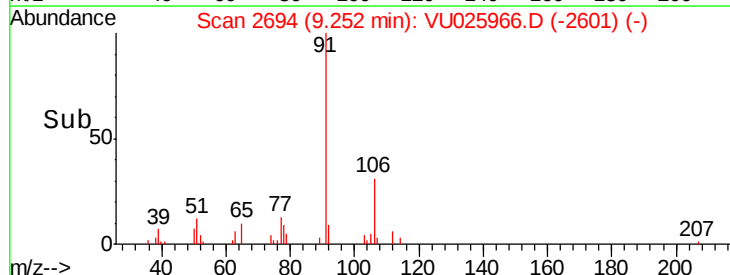
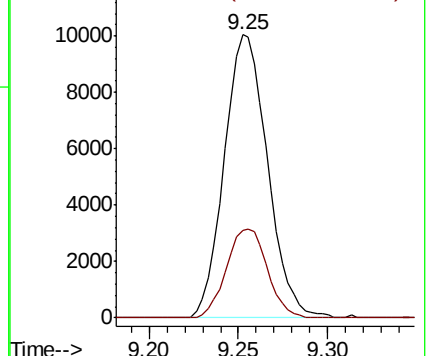
91 100

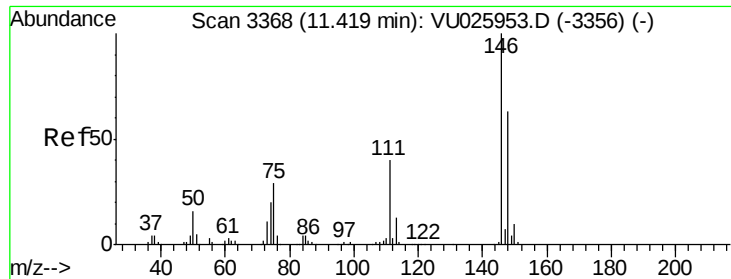
106 30.9 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU

Ion 106.00 (105.70 to 106.70): V





#62

1,3-Dichlorobenzene

Concen: 121.32 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025966.D

Acq: 08 Aug 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

A4ZA7

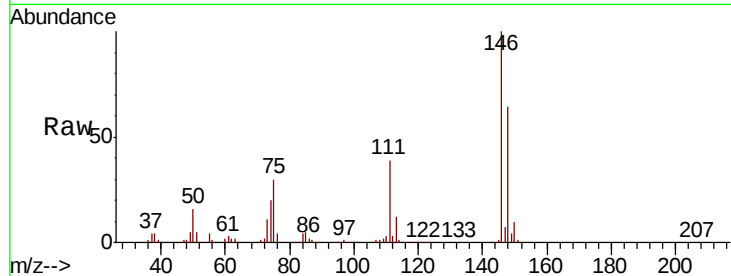
Tot Ion:146 Resp: 596722

Ion Ratio Lower Upper

146 100

111 39.0 27.5 51.1

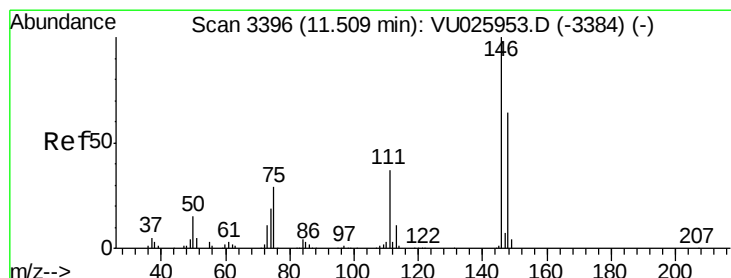
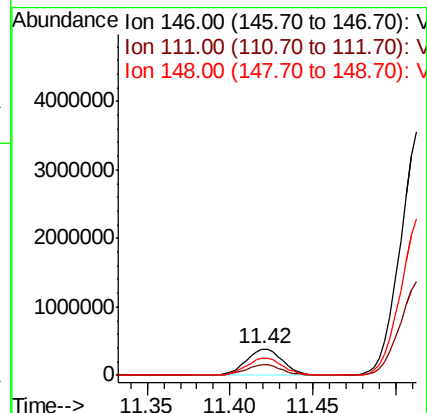
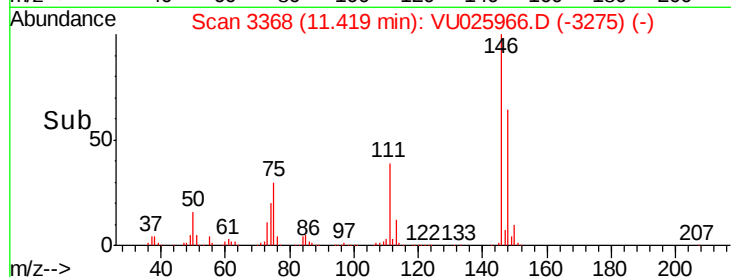
148 64.2 44.6 82.8



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



#63

1,4-Dichlorobenzene

Concen: 1098.95 ug/L

RT: 11.52 min Scan# 3398

Delta R.T. 0.01 min

Lab File: VU025966.D

Acq: 08 Aug 2018 02:58

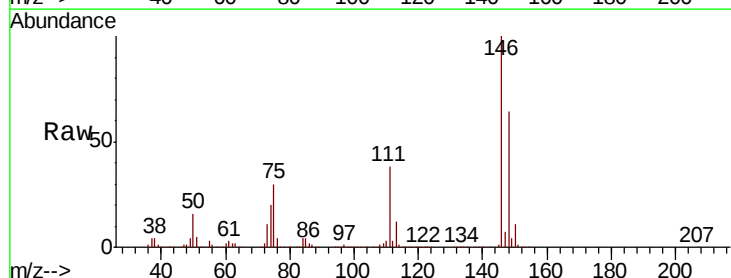
Tgt Ion:146 Resp: 5506764

Ion Ratio Lower Upper

146 100

111 38.2 26.7 49.7

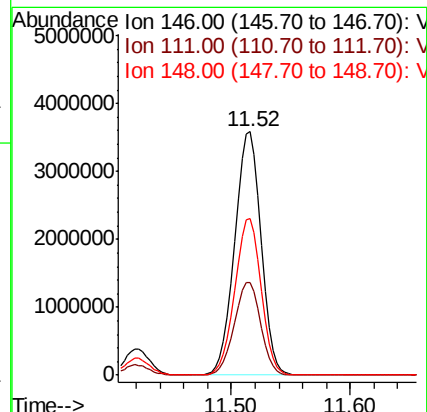
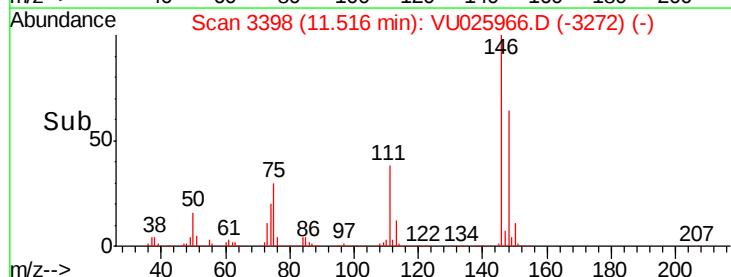
148 64.3 45.2 84.0

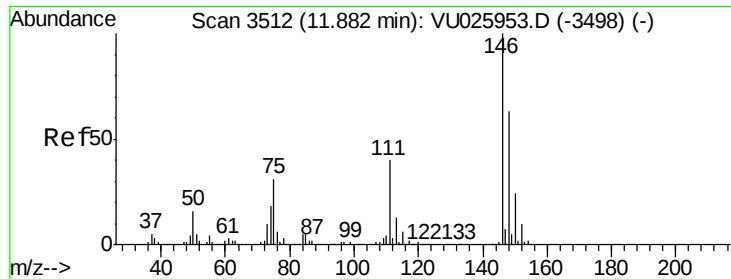


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1149.19 ug/L

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025966.D

Acq: 08 Aug 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

A4ZA7

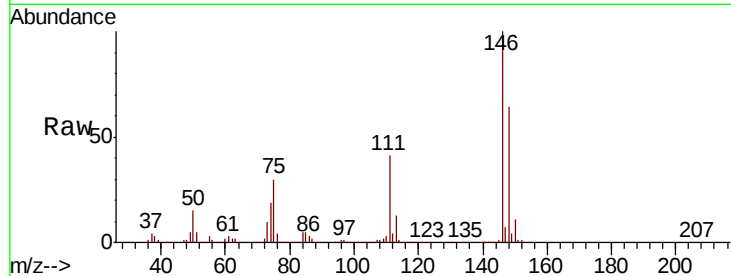
Tot Ion:146 Resp: 5667504

Ion Ratio Lower Upper

146 100

111 40.9 33.4 50.0

148 64.5 51.8 77.8

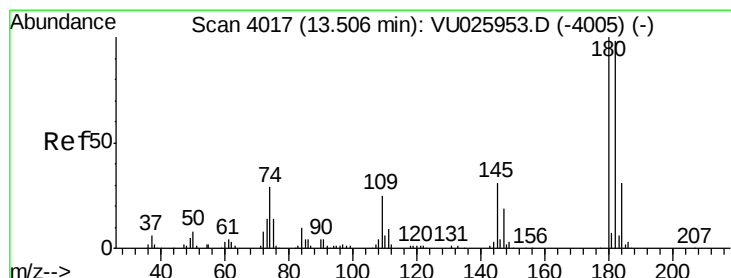
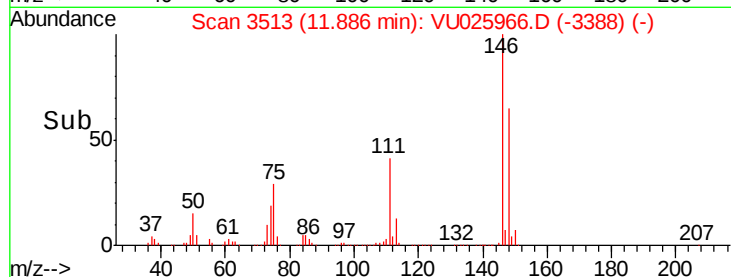
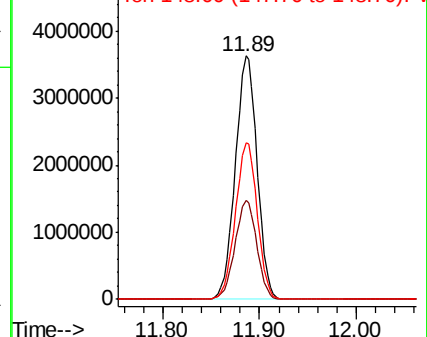


Abundance

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



#68

1,2,4-trichlorobenzene

Concen: 1132.70 ug/L

RT: 13.51 min Scan# 4018

Delta R.T. 0.00 min

Lab File: VU025966.D

Acq: 08 Aug 2018 02:58

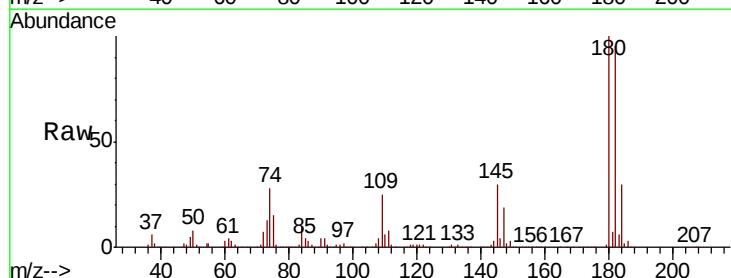
Tgt Ion:180 Resp: 3562857

Ion Ratio Lower Upper

180 100

182 95.2 75.3 112.9

145 29.8 23.1 34.7

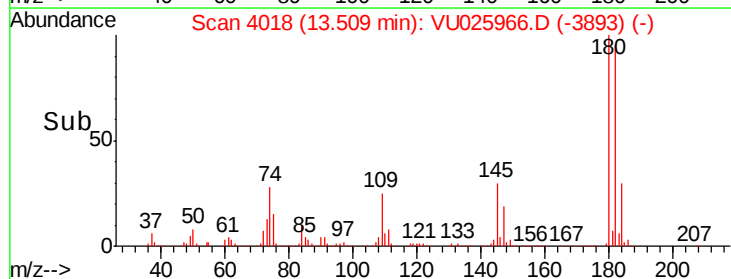
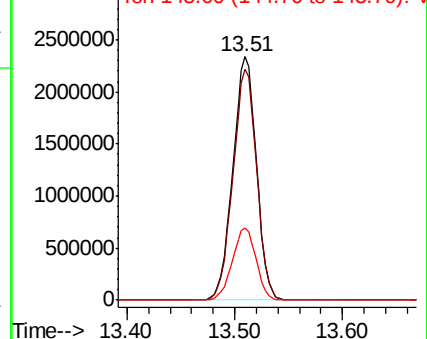


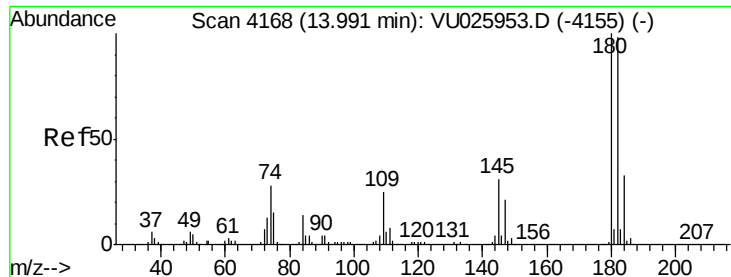
Abundance

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

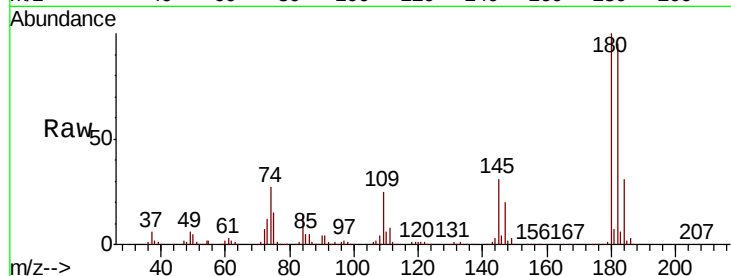




#70
 1,2,3-Trichlorobenzene
 Concen: 248.54 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025966.D
 Acq: 08 Aug 2018 02:58

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA7

Tot Ion	Ion	Ratio	Lower	Upper
800961	180	100		
	182	96.5	77.6	116.4
	145	31.6	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

