

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025962.D
 Acq On : 08 Aug 2018 01:20
 Operator : MD/SY
 Sample : J4361-20
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA2

Quant Time: Aug 08 07:06:55 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	310943	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	300691	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	160713	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81331	47.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.40%
7) Chloroethane-d5	1.68	69	65558	50.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.46%
11) 1,1-Dichloroethene-d2	2.27	63	114512	34.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.62%
21) 2-Butanone-d5	4.18	46	127797	107.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.79%
24) Chloroform-d	4.65	84	169298	50.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.50%
26) 1,2-Dichloroethane-d4	5.31	65	113921	51.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.48%
32) Benzene-d6	5.35	84	327860	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
36) 1,2-Dichloropropane-d6	6.34	67	105265	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.16%
41) Toluene-d8	7.57	98	303274	47.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.32%
43) trans-1,3-Dichloropropene-	7.85	79	47769	44.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.42%
47) 2-Hexanone-d5	8.31	63	85767	100.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.02%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	144681	50.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.36%
64) 1,2-Dichlorobenzene-d4	11.87	152	135398	51.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

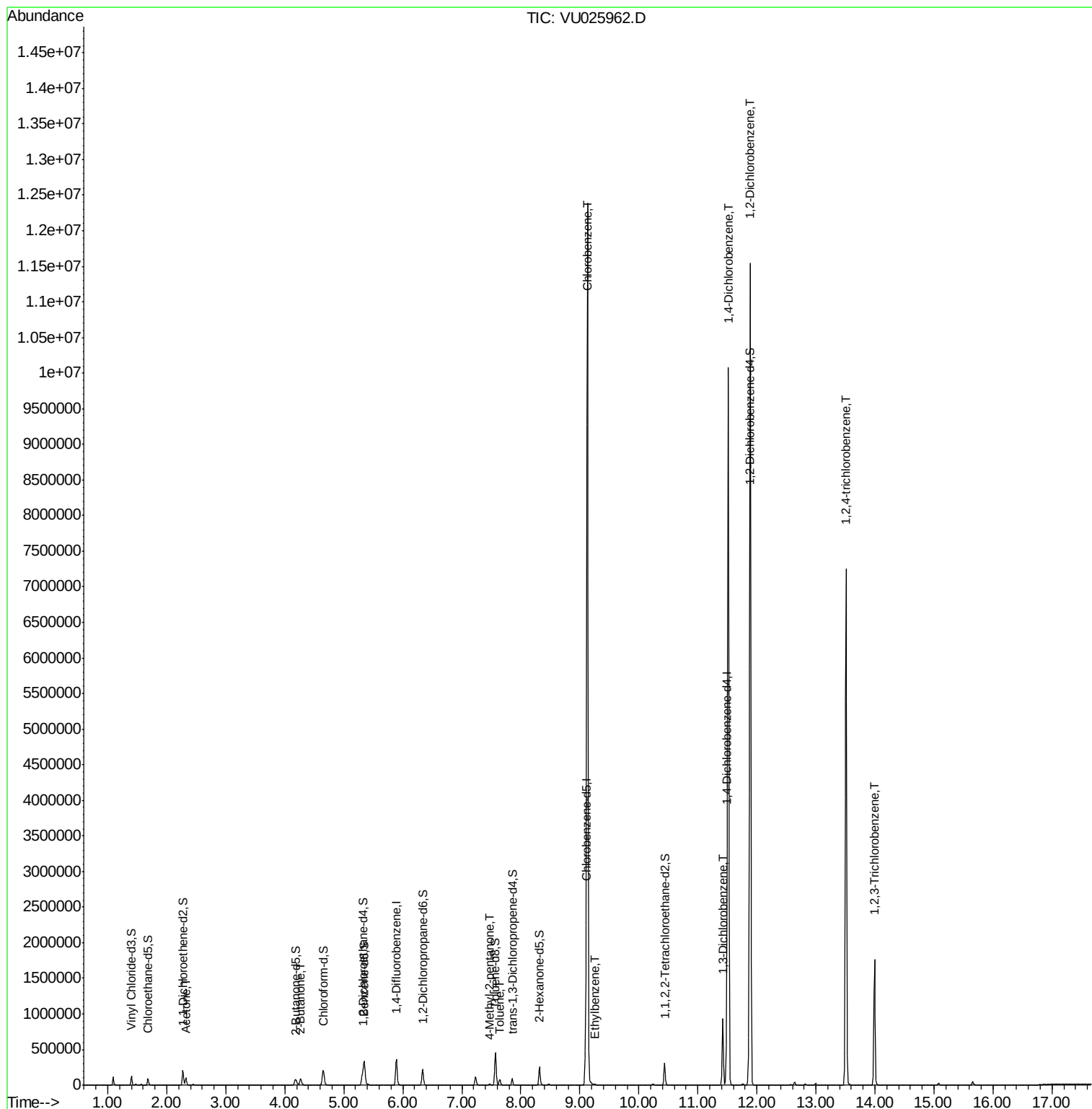
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	104569	74.51	ug/L	98
22) 2-Butanone	4.27	43	129760	73.95	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	8815	3.08	ug/L #	91
42) Toluene	7.64	91	59362	6.92	ug/L	98
51) Chlorobenzene	9.13	112	6552666	1115.65	ug/L	99
52) Ethylbenzene	9.25	91	12391	1.27	ug/L	93
62) 1,3-Dichlorobenzene	11.42	146	371233	77.21	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	4044387	825.61	ug/L	100
65) 1,2-Dichlorobenzene	11.89	146	4568839	947.65	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	2225959	723.90	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	544048	172.69	ug/L	99

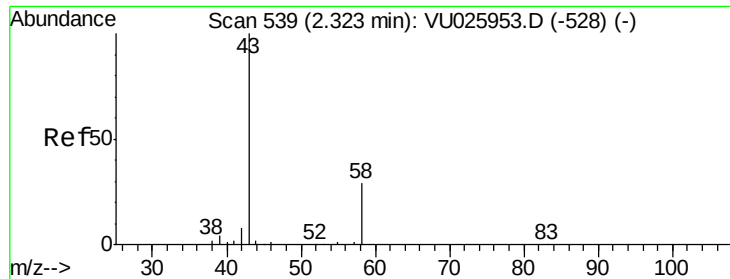
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 74.51 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025962.D

Acq: 08 Aug 2018 01:20

Instrument :

MSVOA_U

ClientSampleId :

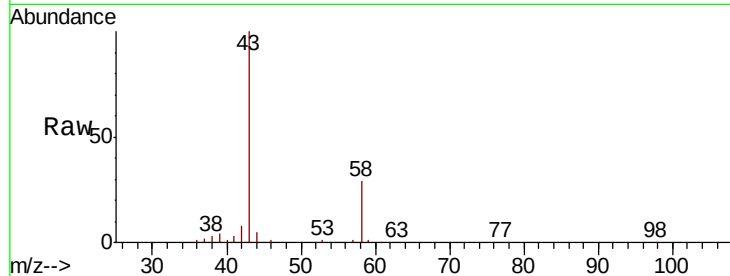
A4ZA2

Tot Ion: 43 Resp: 104569

Ion Ratio Lower Upper

43 100

58 29.3 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

60000

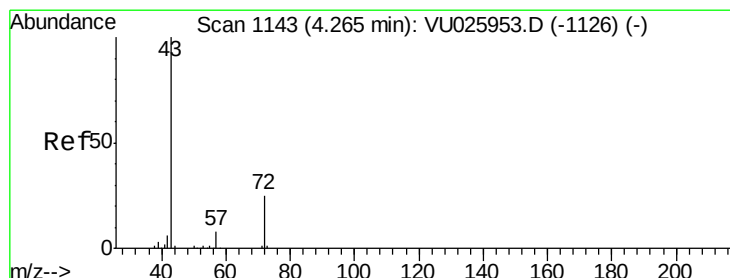
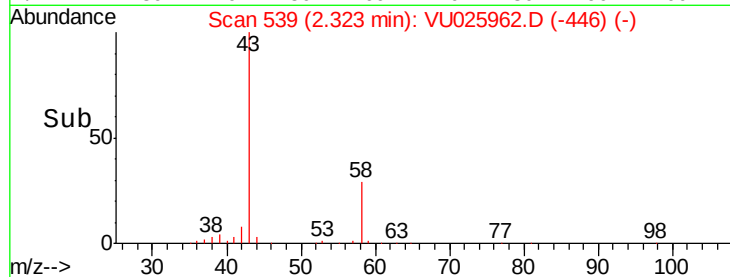
40000

20000

0

Time-->

2.25 2.30 2.35 2.40



#22

2-Butanone

Concen: 73.95 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU025962.D

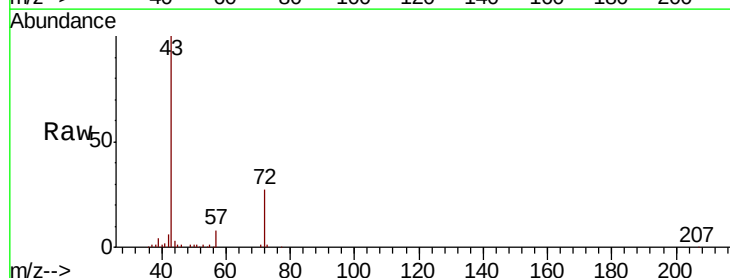
Acq: 08 Aug 2018 01:20

Tgt Ion: 43 Resp: 129760

Ion Ratio Lower Upper

43 100

72 26.3 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.27

60000

50000

40000

30000

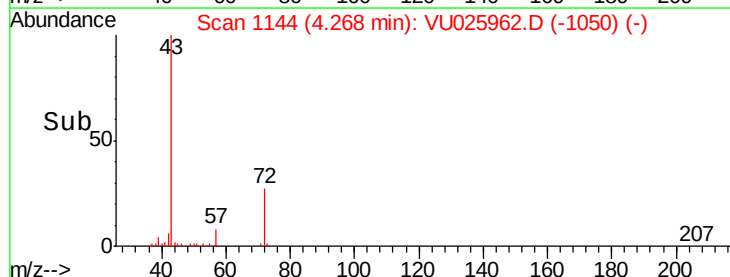
20000

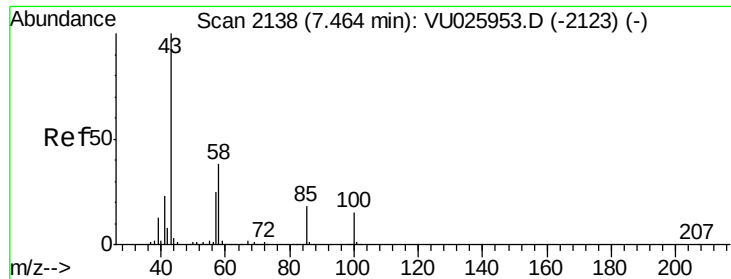
10000

0

Time-->

4.20 4.30

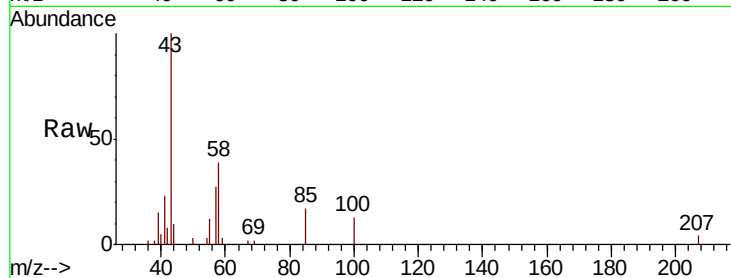




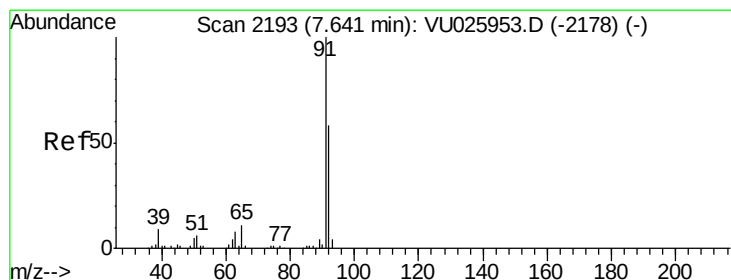
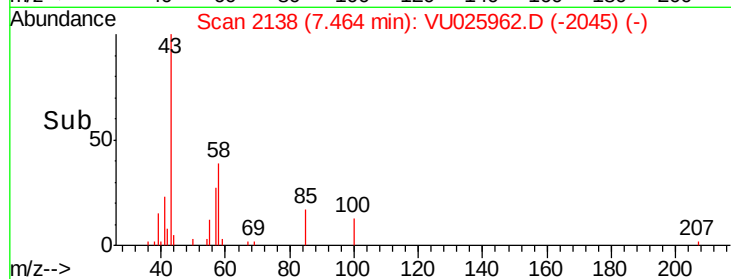
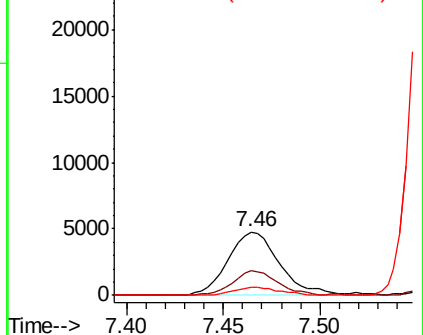
#40
 4-Methyl-2-pentanone
 Concen: 3.08 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. -0.00 min
 Lab File: VU025962.D
 Acq: 08 Aug 2018 01:20

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA2

Tot Ion: 43 Resp: 8815
 Ion Ratio Lower Upper
 43 100
 58 33.8 31.0 46.4
 100 10.9 12.4 18.6#

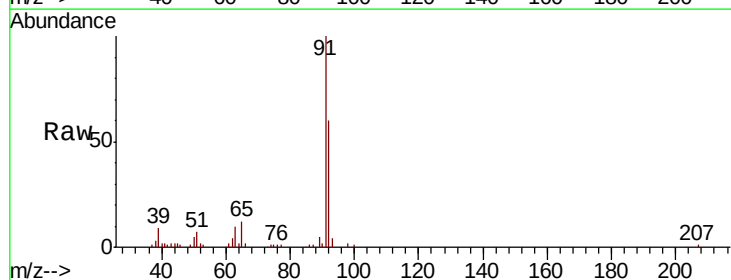


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

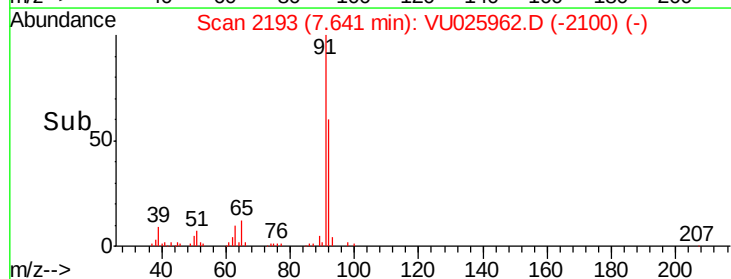
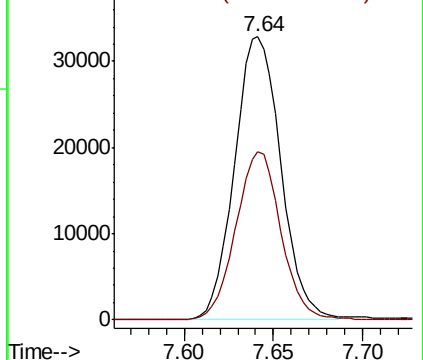


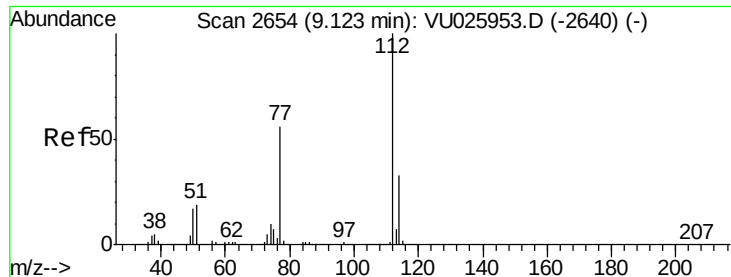
#42
 Toluene
 Concen: 6.92 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU025962.D
 Acq: 08 Aug 2018 01:20

Tgt Ion: 91 Resp: 59362
 Ion Ratio Lower Upper
 91 100
 92 59.6 40.9 75.9



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

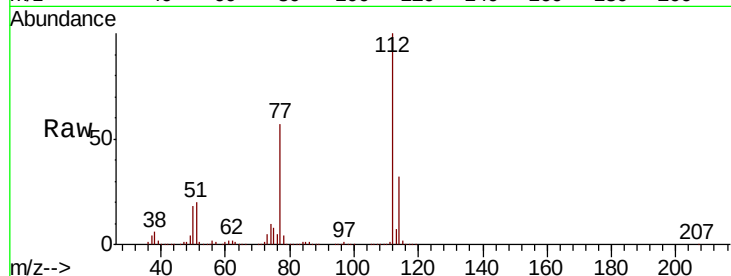




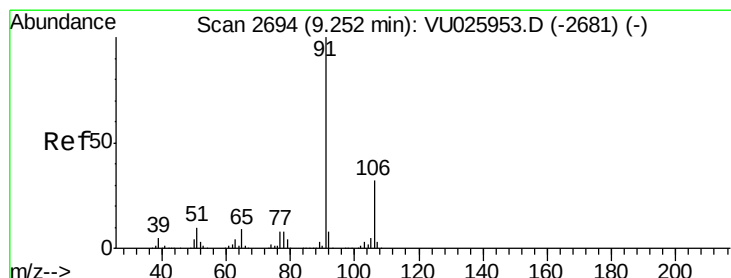
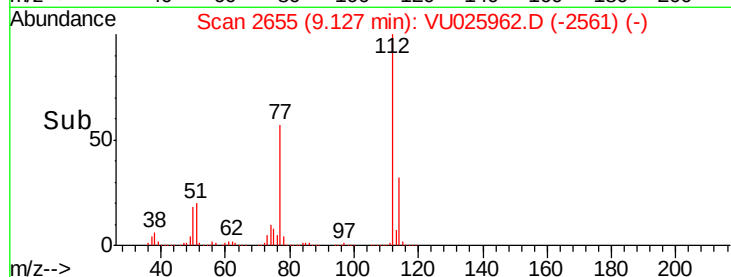
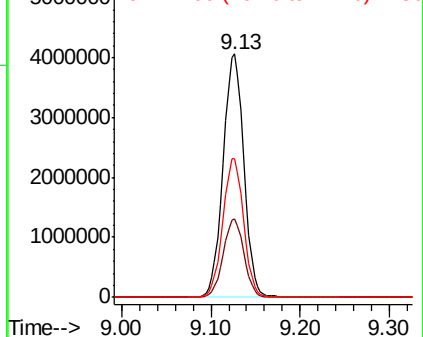
#51
Chlorobenzene
Concen: 1115.65 ug/L
RT: 9.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VU025962.D
Acq: 08 Aug 2018 01:20

Instrument :
MSVOA_U
ClientSampleId :
A4ZA2

Tot Ion:112 Resp: 6552666
Ion Ratio Lower Upper
112 100
114 32.3 22.9 42.5
77 56.9 46.6 70.0

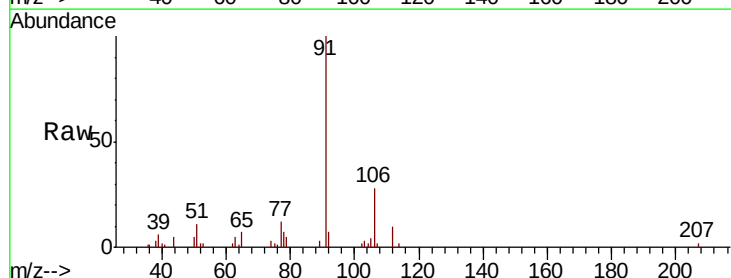


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

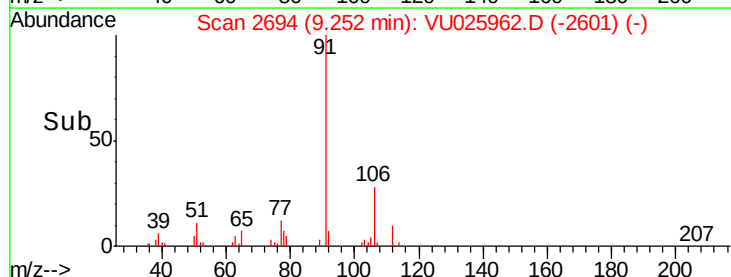
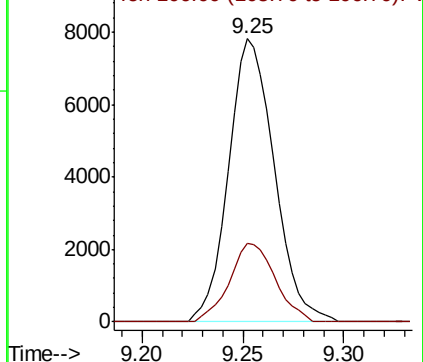


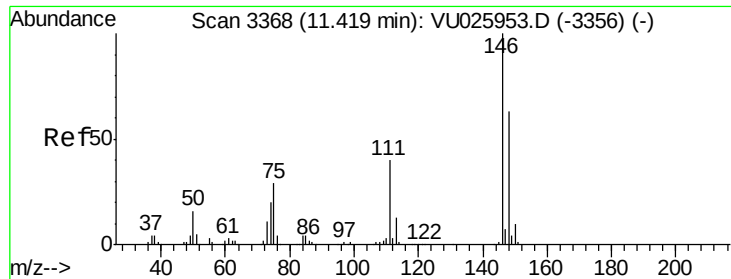
#52
Ethylbenzene
Concen: 1.27 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025962.D
Acq: 08 Aug 2018 01:20

Tgt Ion: 91 Resp: 12391
Ion Ratio Lower Upper
91 100
106 27.7 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

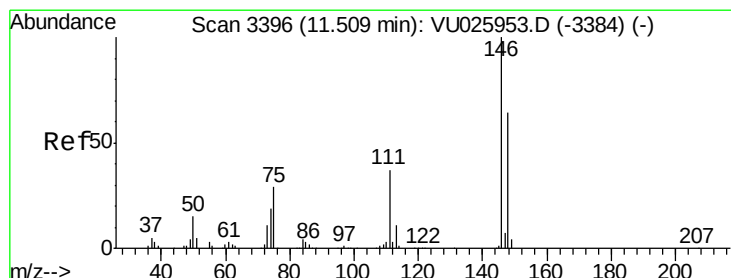
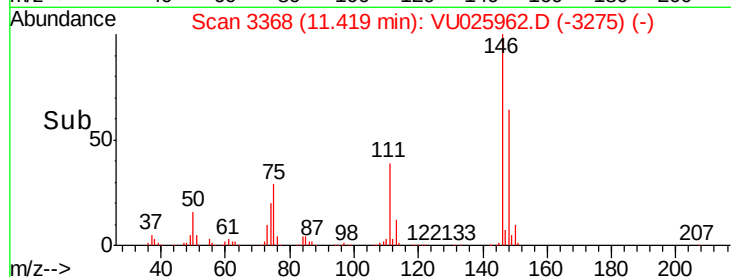
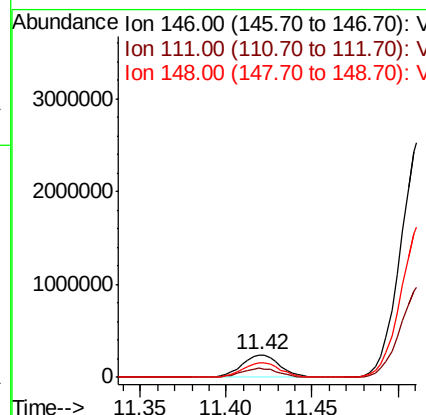
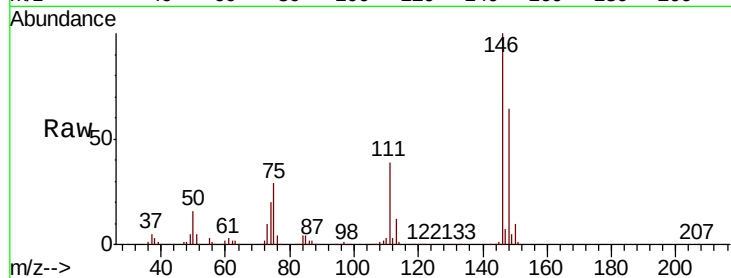




#62
 1,3-Dichlorobenzene
 Concen: 77.21 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025962.D
 Acq: 08 Aug 2018 01:20

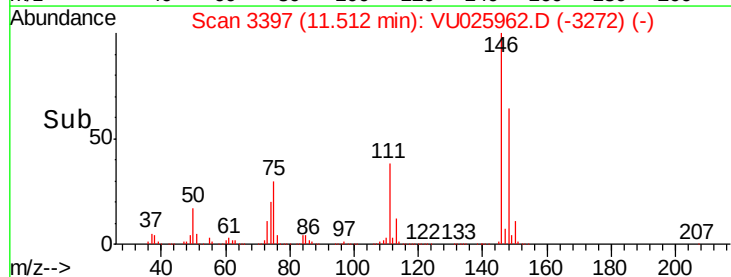
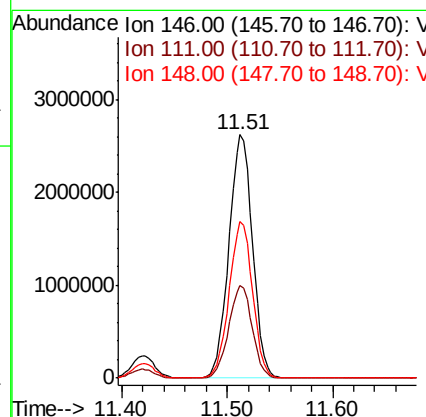
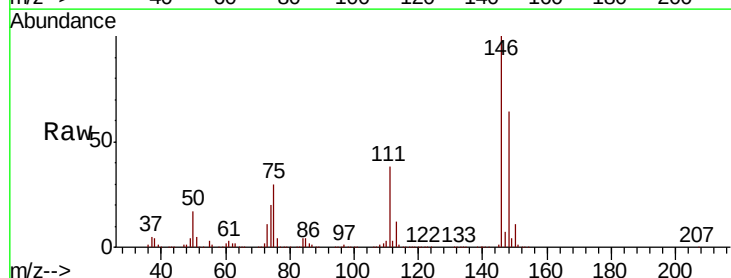
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA2

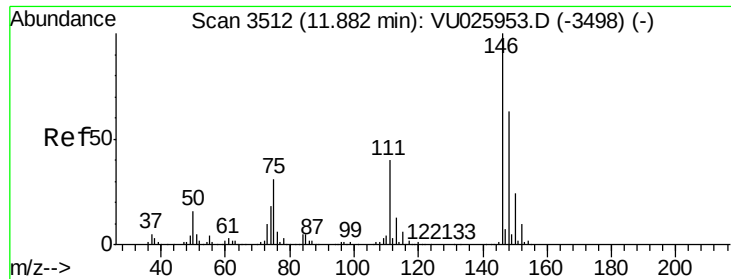
Tot Ion:146 Resp: 371233
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.5 51.1
 148 63.5 44.6 82.8



#63
 1,4-Dichlorobenzene
 Concen: 825.61 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025962.D
 Acq: 08 Aug 2018 01:20

Tgt Ion:146 Resp: 4044387
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.7 49.7
 148 64.2 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 947.65 ug/L

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025962.D

Acq: 08 Aug 2018 01:20

Instrument :

MSVOA_U

ClientSampleId :

A4ZA2

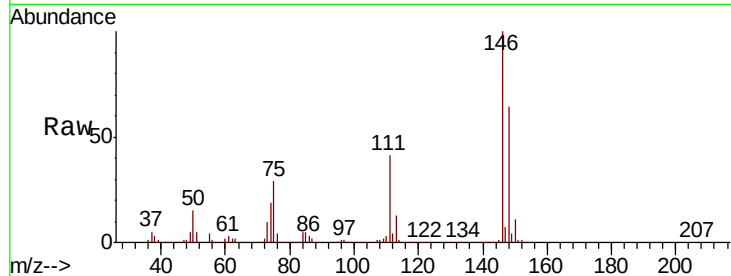
Tot Ion:146 Resp: 4568839

Ion	Ratio	Lower	Upper
146	100		
111	41.1	33.4	50.0
148	64.1	51.8	77.8

146 100

111 41.1 33.4 50.0

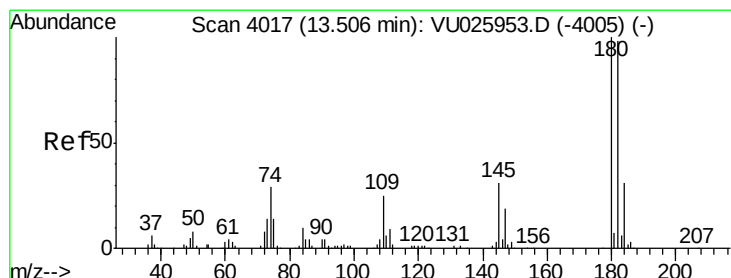
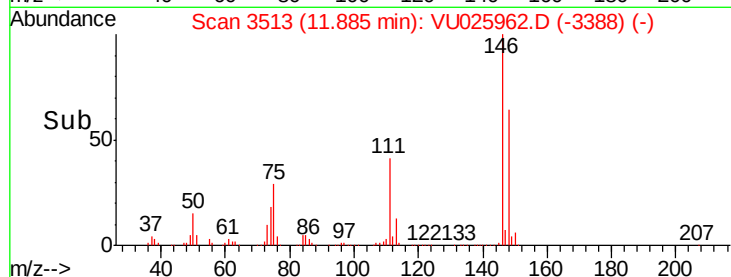
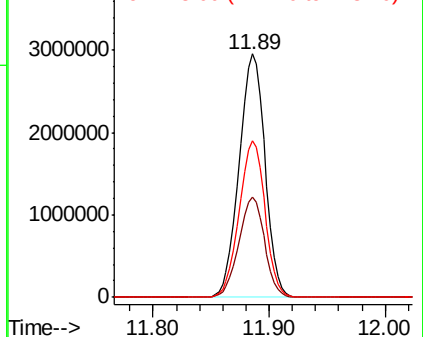
148 64.1 51.8 77.8



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: 723.90 ug/L

RT: 13.51 min Scan# 4018

Delta R.T. 0.00 min

Lab File: VU025962.D

Acq: 08 Aug 2018 01:20

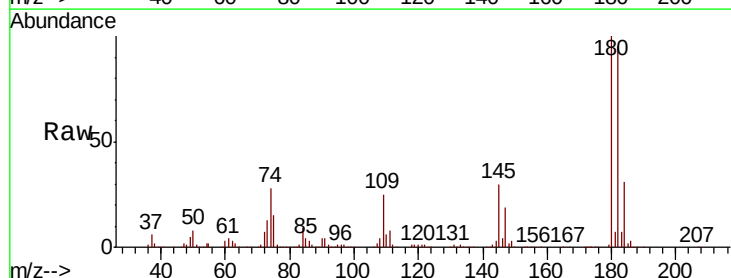
Tgt Ion:180 Resp: 2225959

Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.3	112.9
145	29.8	23.1	34.7

180 100

182 95.5 75.3 112.9

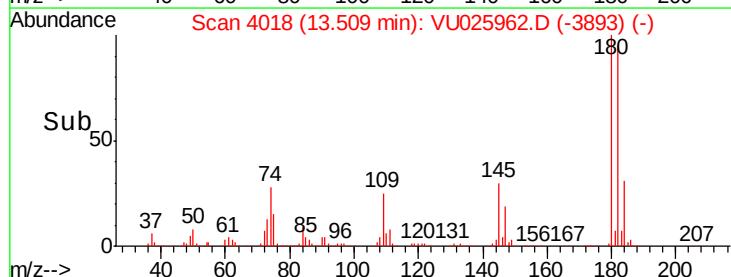
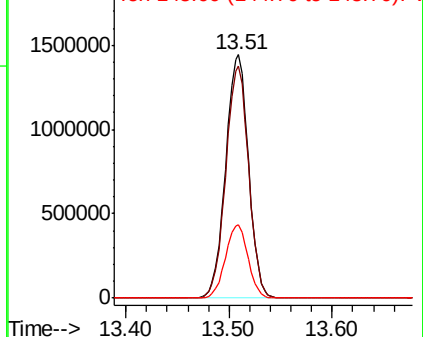
145 29.8 23.1 34.7

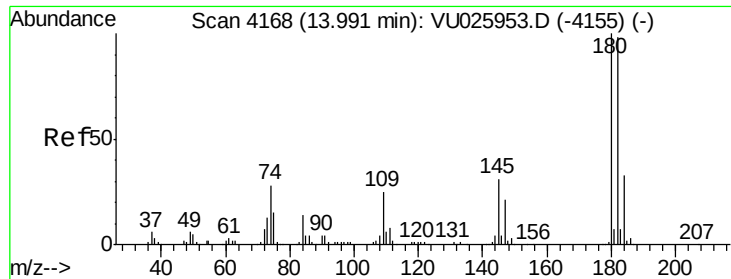


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

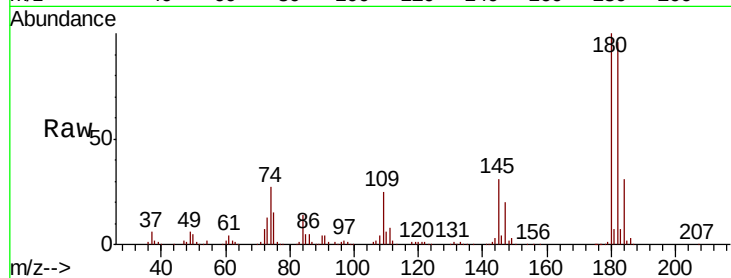




#70
 1,2,3-Trichlorobenzene
 Concen: 172.69 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025962.D
 Acq: 08 Aug 2018 01:20

Instrument :
 MSVOA_U
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.6	116.4
145	31.2	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

