

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071718\
 Data File : VU025463.D
 Acq On : 17 Jul 2018 18:13
 Operator : MD/SY
 Sample : J3986-08MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB1C6

Quant Time: Jul 18 05:57:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 18 05:54:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	329370	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303024	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	140318	50.00	ug/L	0.00

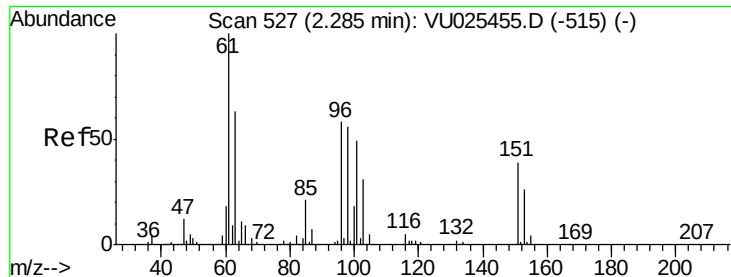
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81595	52.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.06%
7) Chloroethane-d5	1.68	69	67916	51.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.64%
11) 1,1-Dichloroethene-d2	2.28	63	176190	51.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.32%
21) 2-Butanone-d5	4.18	46	151572	91.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.71%
24) Chloroform-d	4.65	84	182509	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.31	65	130762	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
32) Benzene-d6	5.35	84	360431	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
36) 1,2-Dichloropropane-d6	6.34	67	116665	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.22%
41) Toluene-d8	7.57	98	339256	47.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.72%
43) trans-1,3-Dichloropropene-	7.85	79	56871	45.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.10%
47) 2-Hexanone-d5	8.31	63	110977	88.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.27%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	160458	44.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	134479	47.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.28	96	92364	51.738	ug/L	95
13) Acetone	2.32	43	3906	2.706	ug/L	85
17) trans-1,2-Dichloroethene	2.99	96	2951	1.397	ug/L	87
20) cis-1,2-Dichloroethene	4.23	96	320091	123.809	ug/L	99
33) Benzene	5.39	78	441775	49.279	ug/L	100
34) Trichloroethene	6.19	95	263822	111.171	ug/L	98
37) 1,2-Dichloropropane	6.33	63	13264	5.364	ug/L #	88
42) Toluene	7.64	91	475993	49.797	ug/L	99
51) Chlorobenzene	9.12	112	309696	48.286	ug/L	98
59) 1,2,3-Trichloropropane	11.49	75	15337	4.664	ug/L #	82

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



#12

1,1-Dichloroethene

Concen: 51.738 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025463.D

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Instrument :

MSVOA_U

ClientSampleId :

DB1C6

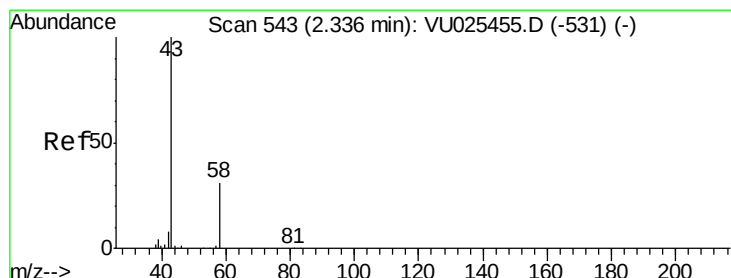
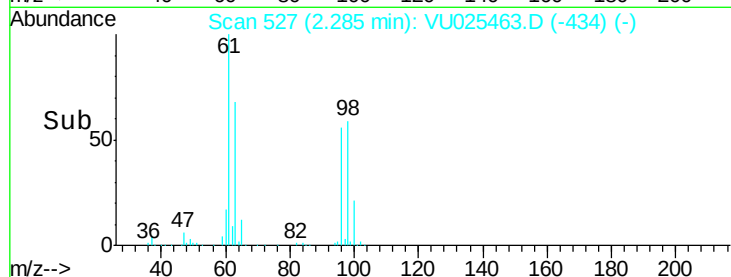
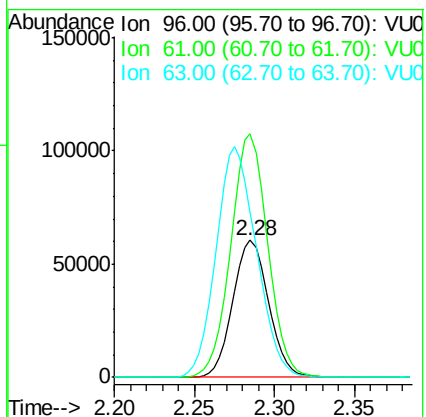
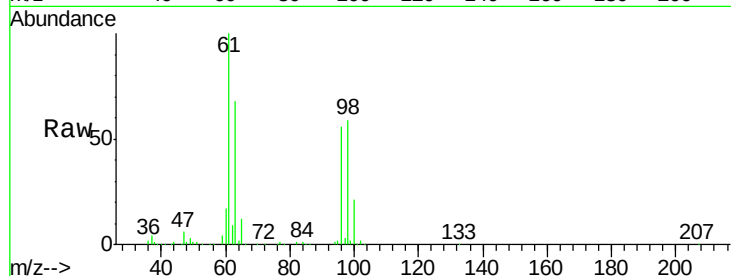
Tgt Ion: 96 Resp: 92364

Ion Ratio Lower Upper

96 100

61 177.3 120.6 224.0

63 120.2 79.3 147.3



#13

Acetone

Concen: 2.706 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.02 min

Lab File: VU025463.D

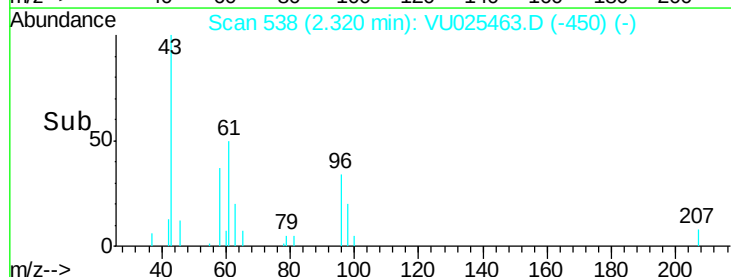
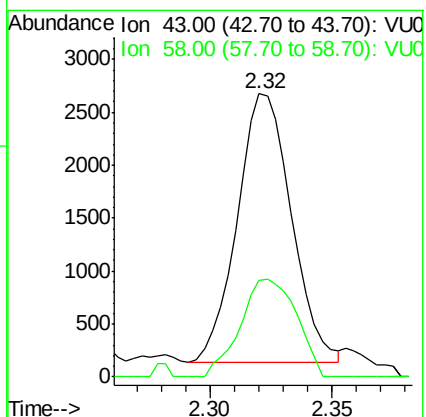
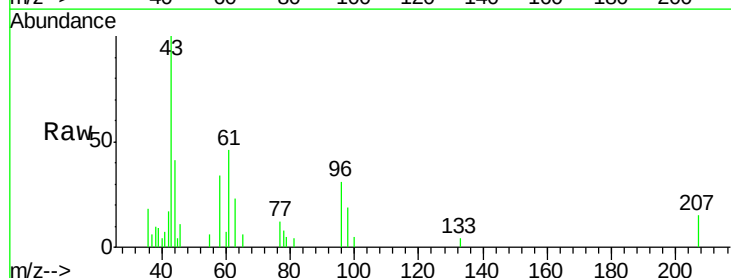
Acq: 17 Jul 2018 18:13

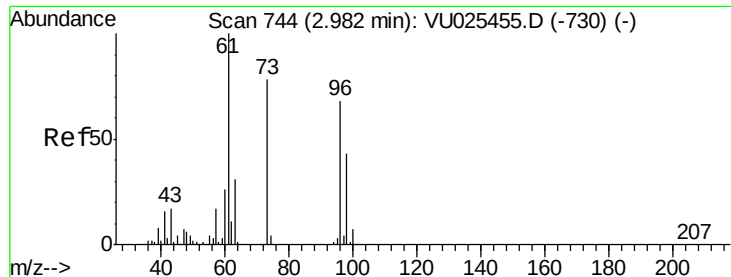
Tgt Ion: 43 Resp: 3906

Ion Ratio Lower Upper

43 100

58 37.7 0.0 59.0





#17

trans-1,2-Dichloroethene

Concen: 1.397 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.01 min

Lab File: VU025463.D

Acq: 17 Jul 2018 18:13

Instrument :

MSVOA_U

ClientSampled :

DB1C6

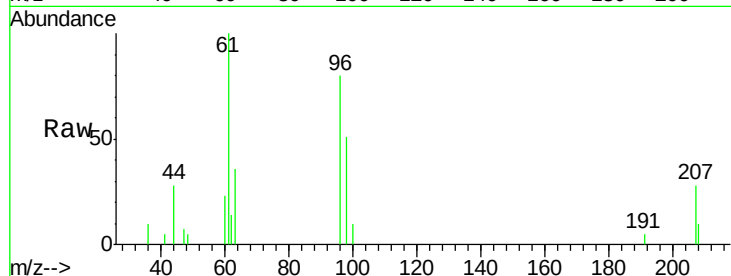
Tgt Ion: 96 Resp: 2951

Ion Ratio Lower Upper

96 100

61 124.8 103.6 192.4

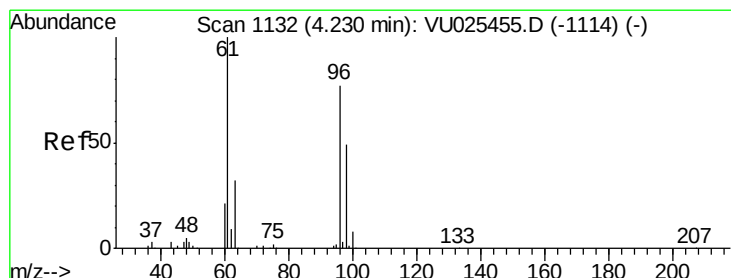
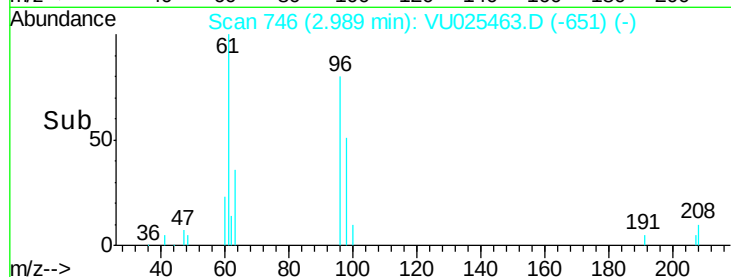
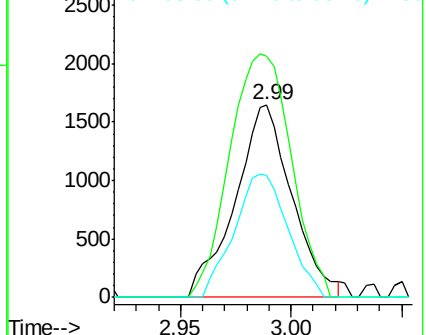
98 63.2 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 123.809 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025463.D

Acq: 17 Jul 2018 18:13

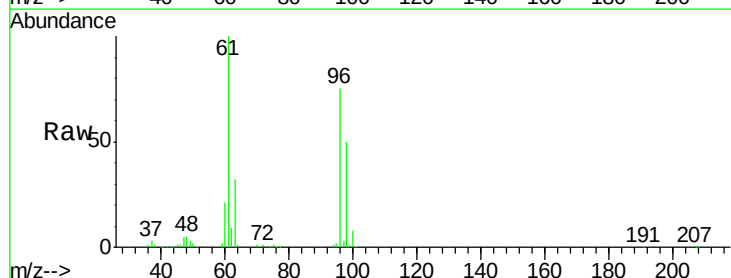
Tgt Ion: 96 Resp: 320091

Ion Ratio Lower Upper

96 100

61 132.6 91.7 170.3

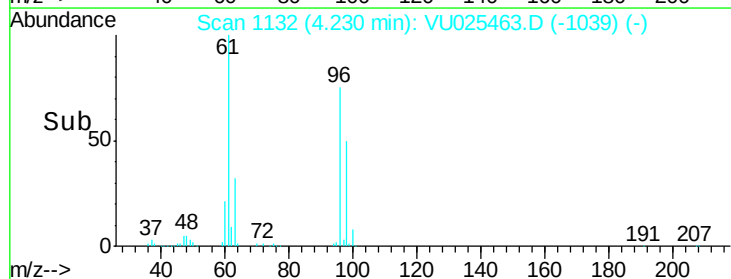
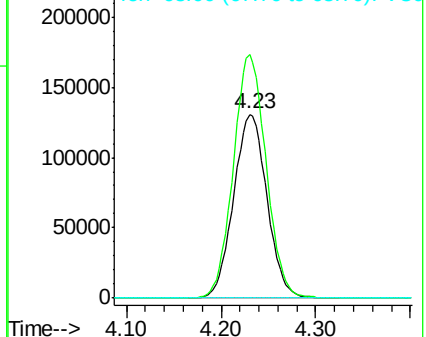
68 0.0 0.0 0.0

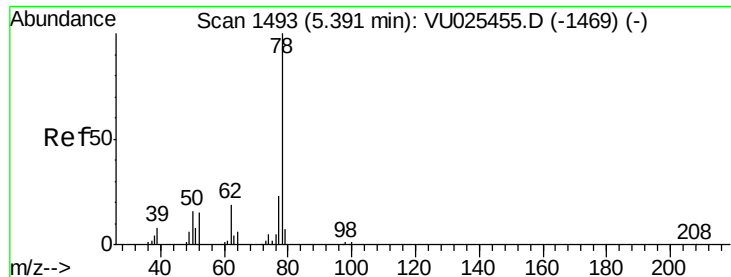


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#33

Benzene

Concen: 49.279 ug/L

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025463.D

Acq: 17 Jul 2018 18:13

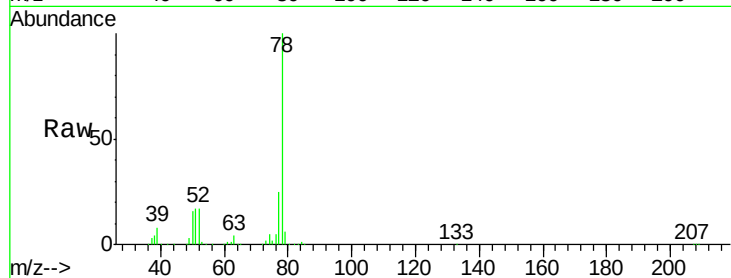
Instrument :

MSVOA_U

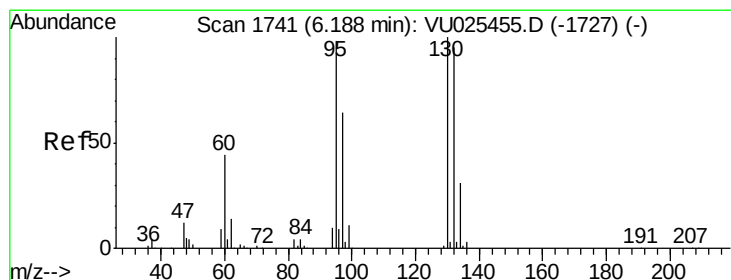
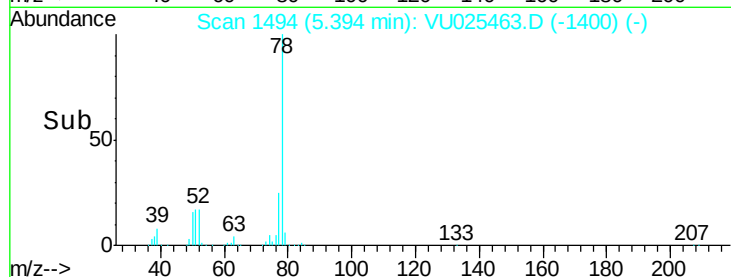
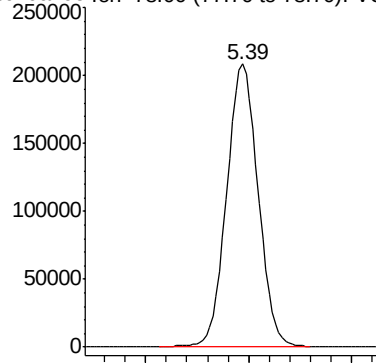
ClientSampleId :

DB1C6

Tgt Ion: 78 Resp: 441775



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 111.171 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025463.D

Acq: 17 Jul 2018 18:13

Tgt Ion: 95 Resp: 263822

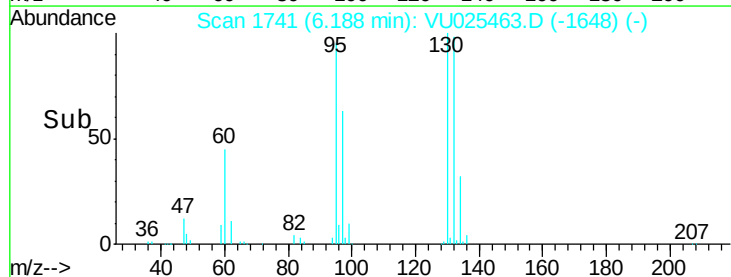
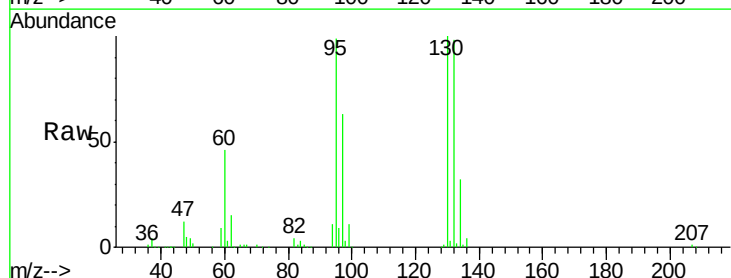
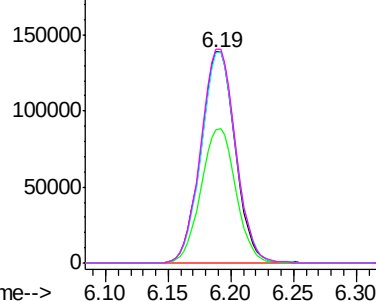
Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.9	85.3
132	99.6	68.2	126.6
130	101.2	71.8	133.4

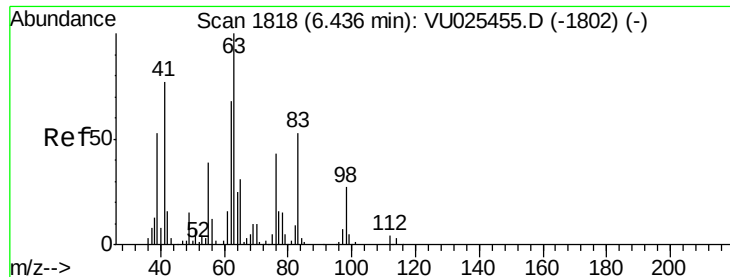
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

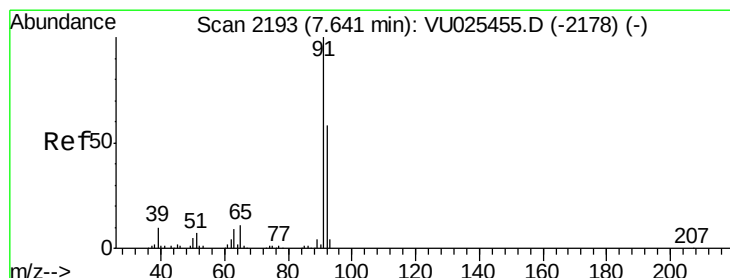
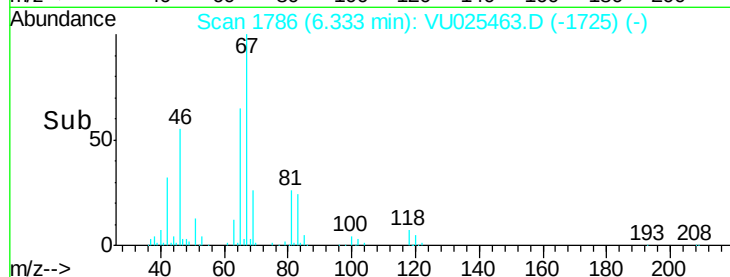
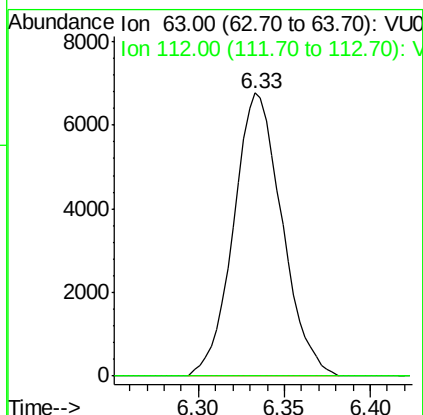
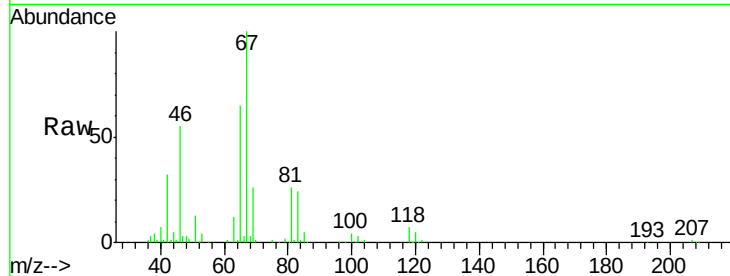




#37
 1,2-Dichloropropane
 Concen: 5.364 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU025463.D
 Acq: 17 Jul 2018 18:13

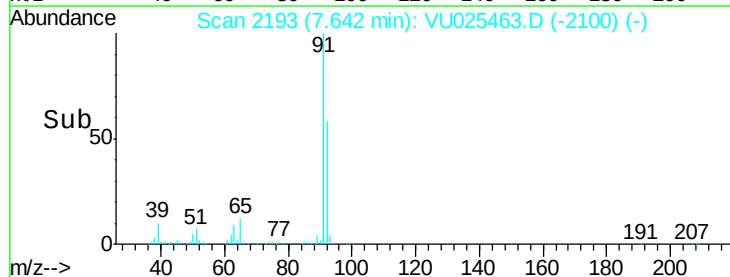
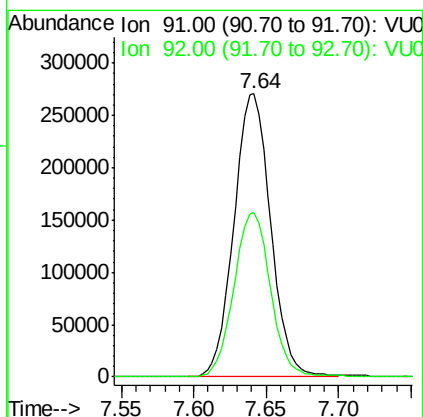
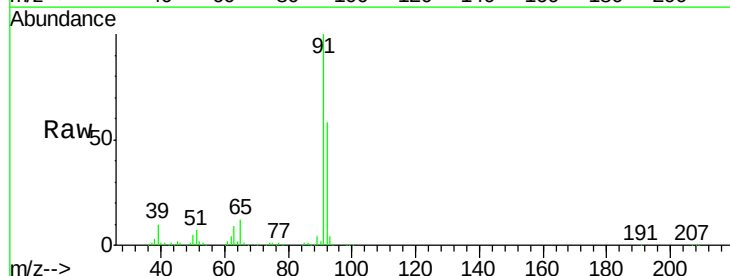
Instrument :
 MSVOA_U
 ClientSampleId :
 DB1C6

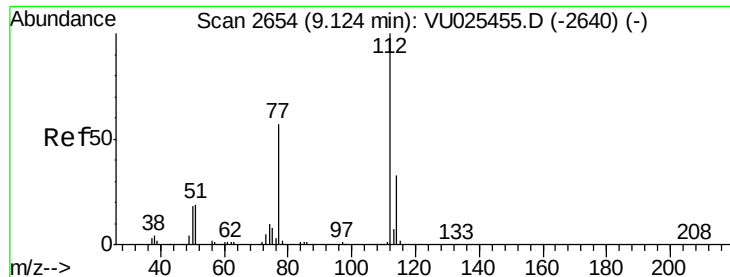
Tgt Ion: 63 Resp: 13264
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#42
 Toluene
 Concen: 49.797 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025463.D
 Acq: 17 Jul 2018 18:13

Tgt Ion: 91 Resp: 475993
 Ion Ratio Lower Upper
 91 100
 92 58.2 40.5 75.1





#51

Chlorobenzene

Concen: 48.286 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025463.D

Acq: 17 Jul 2018 18:13

Instrument :

MSVOA_U

ClientSampleId :

DB1C6

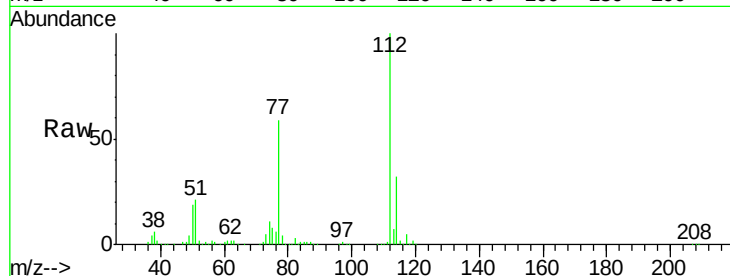
Tgt Ion: 112 Resp: 309696

Ion Ratio Lower Upper

112 100

114 32.0 22.8 42.4

77 59.1 45.8 68.8



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

250000

200000

150000

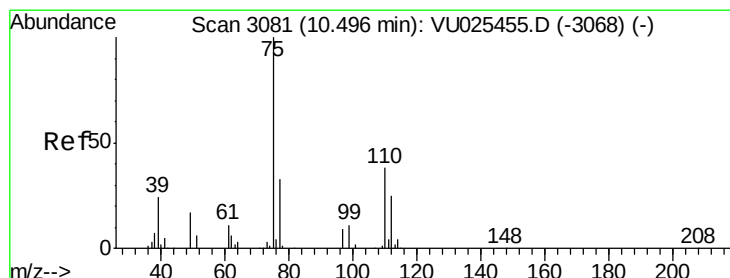
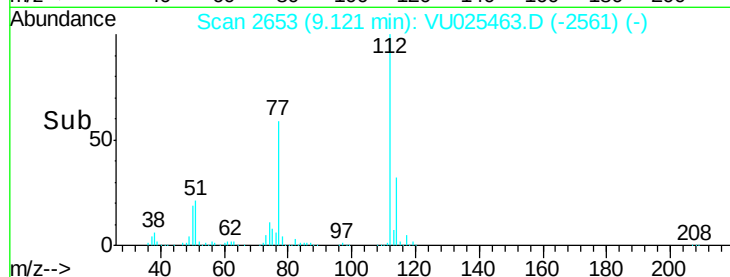
100000

50000

0

9.05 9.10 9.15 9.20

Time-->



#59

1,2,3-Trichloropropane

Concen: 4.664 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU025463.D

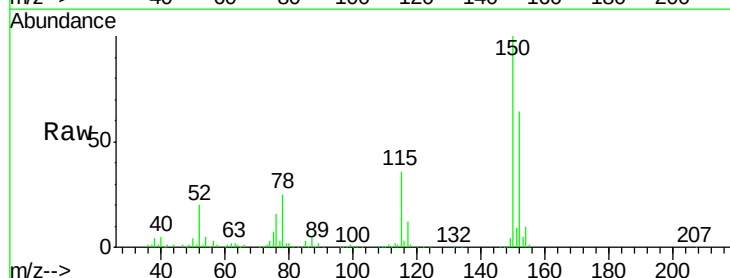
Acq: 17 Jul 2018 18:13

Tgt Ion: 75 Resp: 15337

Ion Ratio Lower Upper

75 100

77 43.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10000

8000

6000

4000

2000

0

11.45 11.50 11.55

Time-->

