

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071818\
 Data File : VU025491.D
 Acq On : 18 Jul 2018 12:27
 Operator : MD/SY
 Sample : J4024-06MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 19 01:08:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 01:07:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	328586	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	298694	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	141752	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67297	43.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.86%
7) Chloroethane-d5	1.68	69	63805	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.66%
11) 1,1-Dichloroethene-d2	2.28	63	173195	50.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.80%
21) 2-Butanone-d5	4.18	46	141772	85.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.98%
24) Chloroform-d	4.65	84	187081	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
26) 1,2-Dichloroethane-d4	5.31	65	130706	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
32) Benzene-d6	5.35	84	359297	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	6.34	67	117191	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.06%
41) Toluene-d8	7.57	98	337121	48.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.50%
43) trans-1,3-Dichloropropene-	7.85	79	57983	46.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.20%
47) 2-Hexanone-d5	8.31	63	102880	83.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.02%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	163690	46.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	140082	49.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.62%

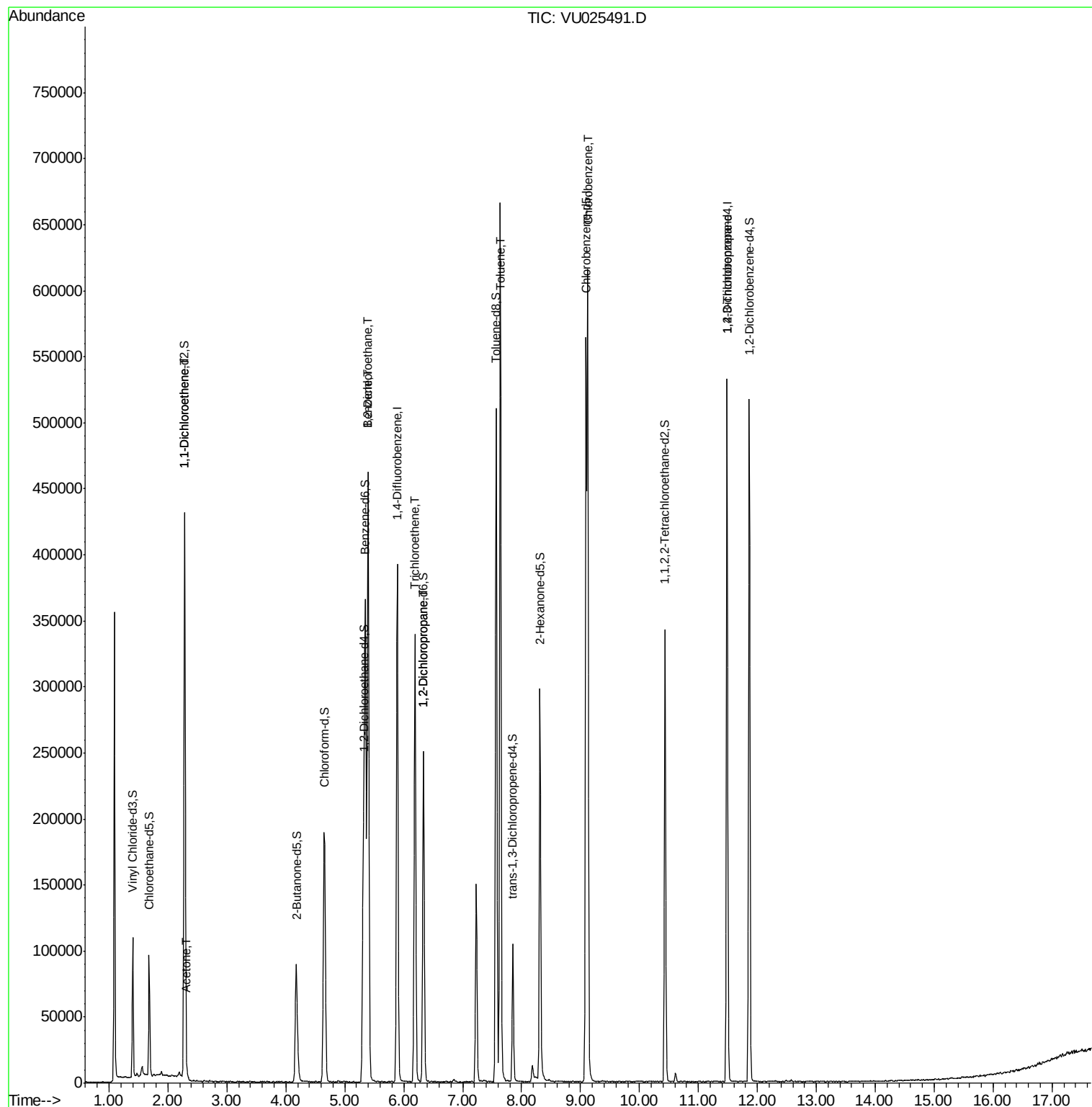
Target Compounds

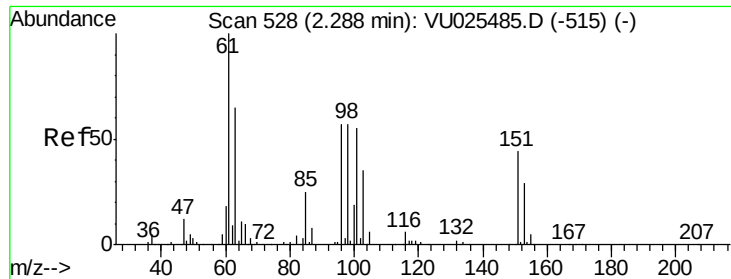
					Qvalue
12) 1,1-Dichloroethene	2.29	96	93947	52.750 ug/L	96
13) Acetone	2.32	43	3733	2.593 ug/L	100
27) 1,2-Dichloroethane	5.40	62	4693	1.276 ug/L #	77
33) Benzene	5.39	78	447459	50.637 ug/L	100
34) Trichloroethene	6.19	95	115794	49.501 ug/L	97
37) 1,2-Dichloropropane	6.33	63	13403	5.498 ug/L #	88
42) Toluene	7.64	91	483306	51.295 ug/L	99
51) Chlorobenzene	9.12	112	312507	49.431 ug/L	98
59) 1,2,3-Trichloropropane	11.49	75	15331	4.729 ug/L #	84

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

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#12

1,1-Dichloroethene

Concen: 52.750 ug/L

RT: 2.29 min Scan# 528

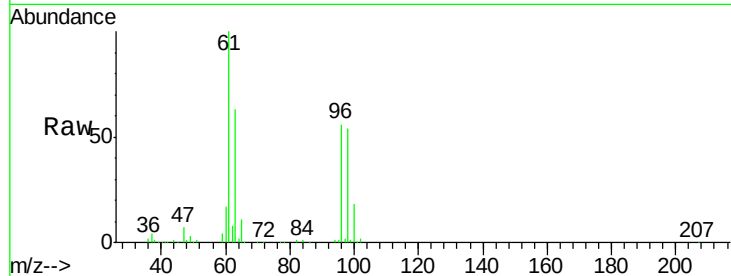
Delta R.T. 0.00 min

Lab File: VU025491.D

Acq: 18 Jul 2018 12:27

Tgt Ion: 96 Resp: 93947

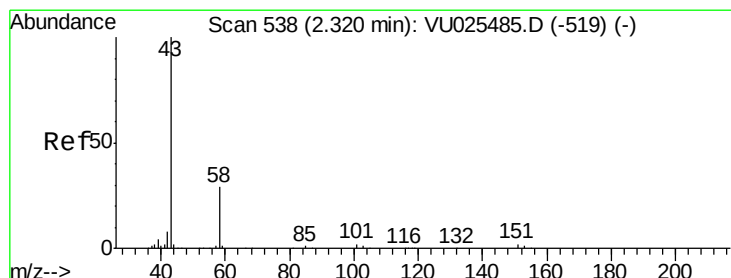
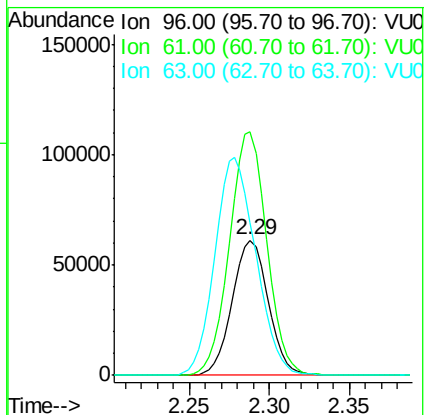
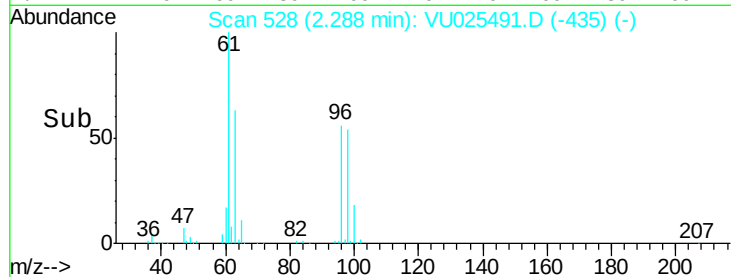
Ion	Ratio	Lower	Upper
96	100		
61	180.0	120.6	224.0
63	112.8	79.3	147.3



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 2.593 ug/L

RT: 2.32 min Scan# 538

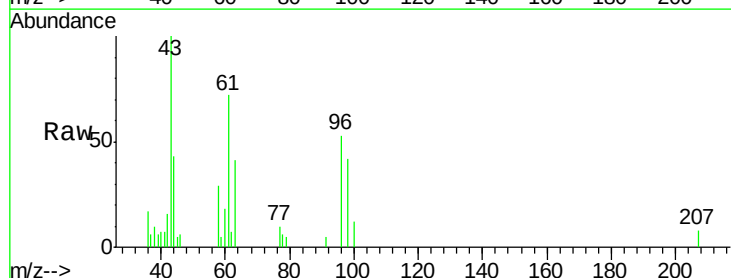
Delta R.T. 0.00 min

Lab File: VU025491.D

Acq: 18 Jul 2018 12:27

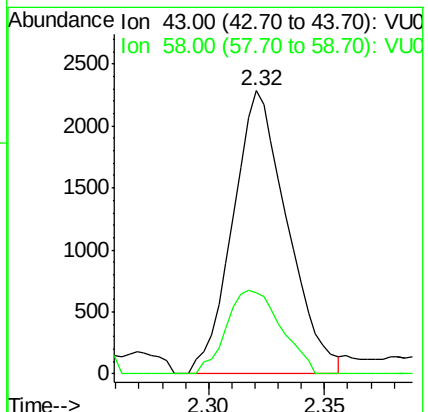
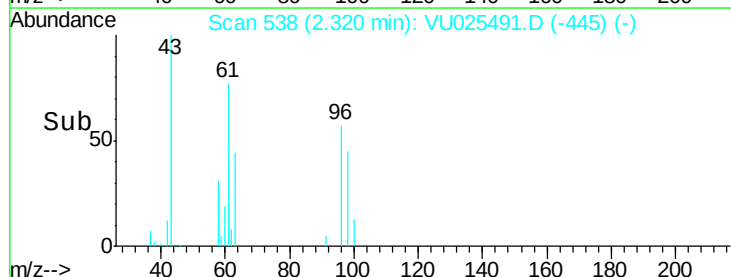
Tgt Ion: 43 Resp: 3733

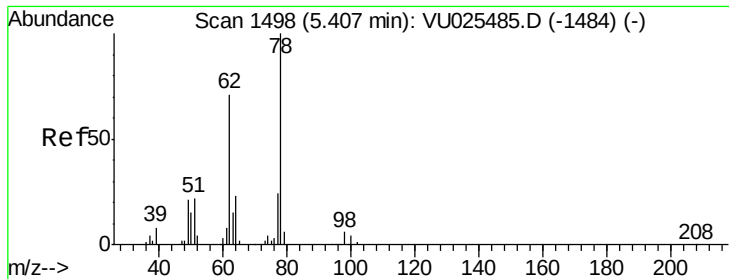
Ion	Ratio	Lower	Upper
43	100		
58	29.6	0.0	59.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

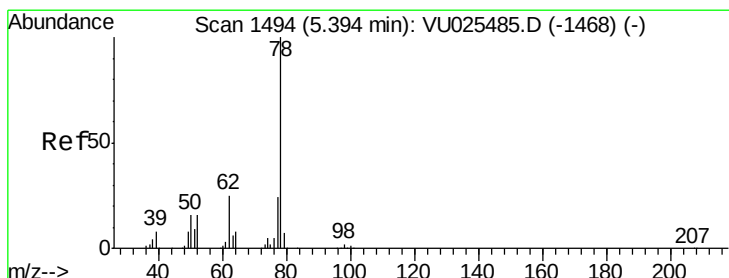
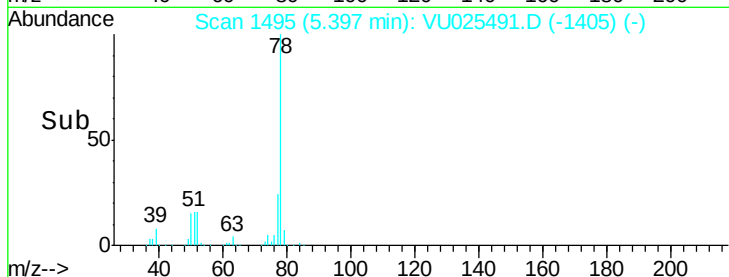
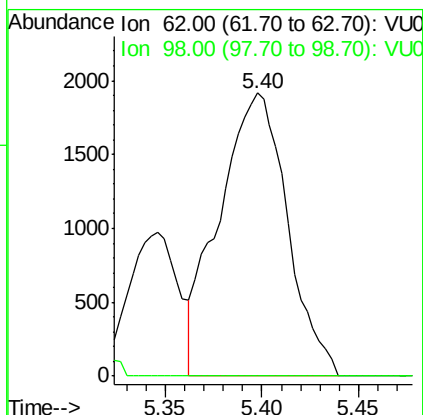
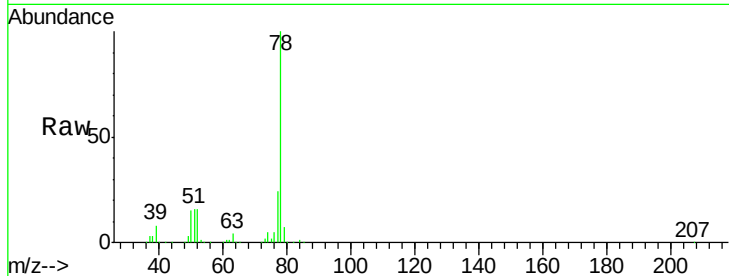
Ion 58.00 (57.70 to 58.70): VU0





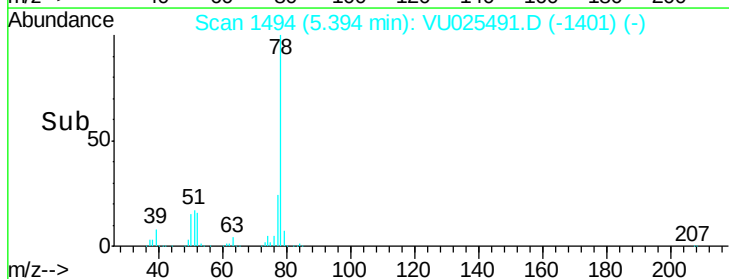
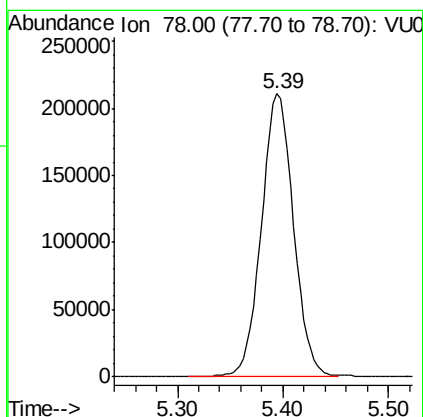
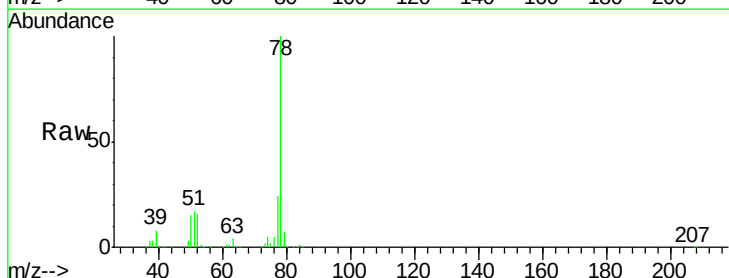
#27
 1,2-Dichloroethane
 Concen: 1.276 ug/L
 RT: 5.40 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: VU025491.D
 Acq: 18 Jul 2018 12:27

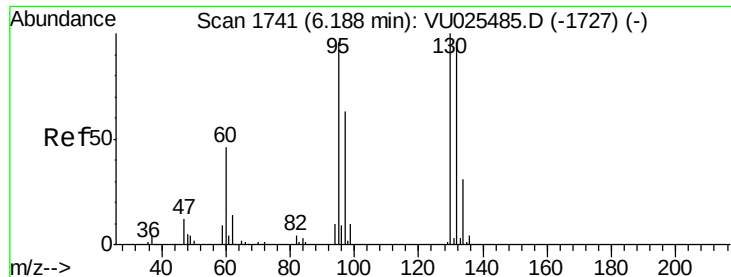
Tgt Ion: 62 Resp: 4693
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.5 9.7#



#33
 Benzene
 Concen: 50.637 ug/L
 RT: 5.39 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VU025491.D
 Acq: 18 Jul 2018 12:27

Tgt Ion: 78 Resp: 447459





#34

Trichloroethene

Concen: 49.501 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025491.D

Acq: 18 Jul 2018 12:27

Tgt Ion: 95 Resp: 115794

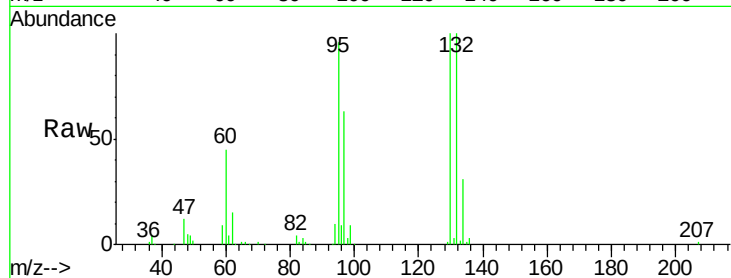
Ion Ratio Lower Upper

95 100

97 65.7 45.9 85.3

132 104.1 68.2 126.6

130 103.9 71.8 133.4

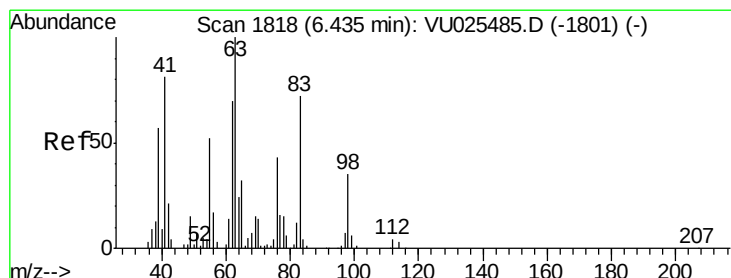
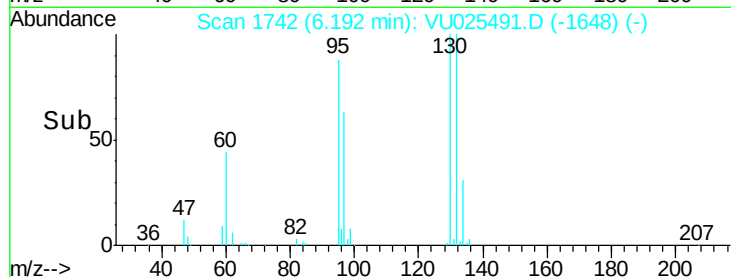
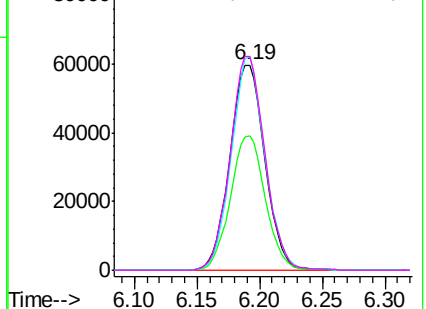


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.498 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU025491.D

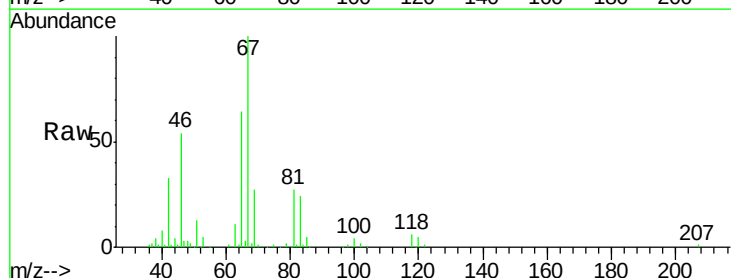
Acq: 18 Jul 2018 12:27

Tgt Ion: 63 Resp: 13403

Ion Ratio Lower Upper

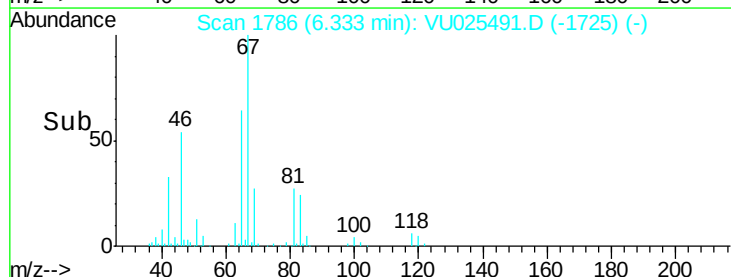
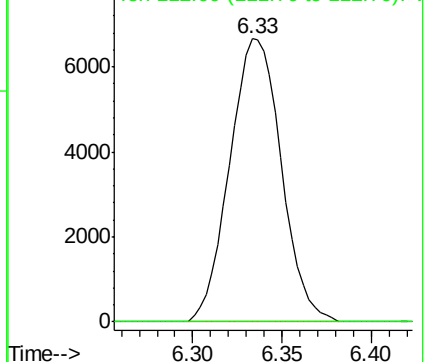
63 100

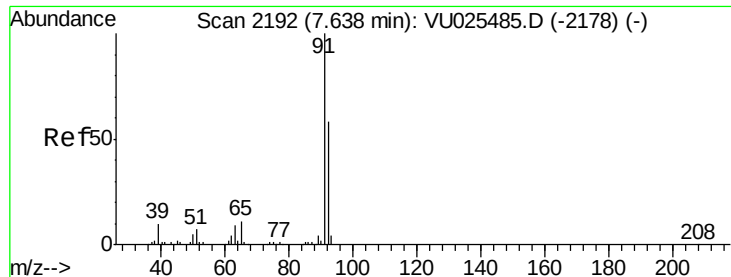
112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#42

Toluene

Concen: 51.295 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU025491.D

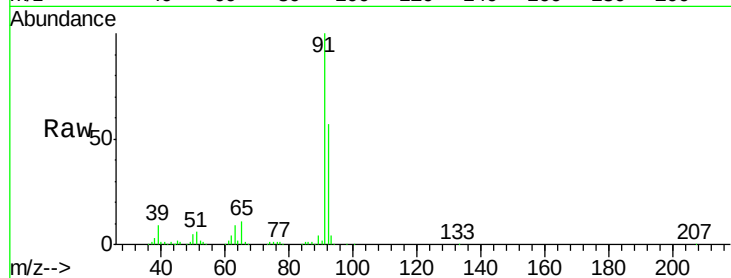
Acq: 18 Jul 2018 12:27

Tgt Ion: 91 Resp: 483306

Ion Ratio Lower Upper

91 100

92 57.0 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VU025485.D (-2178) (-)

Ion 92.00 (91.70 to 92.70): VU025485.D (-2178) (-)

7.64

300000

250000

200000

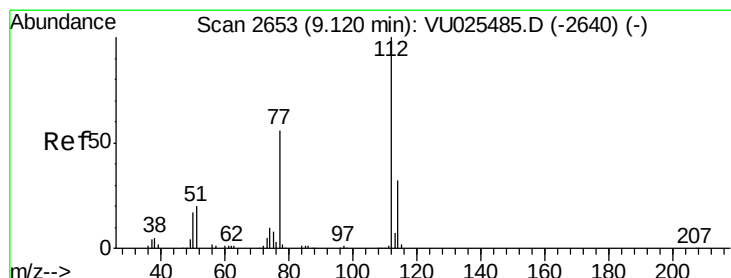
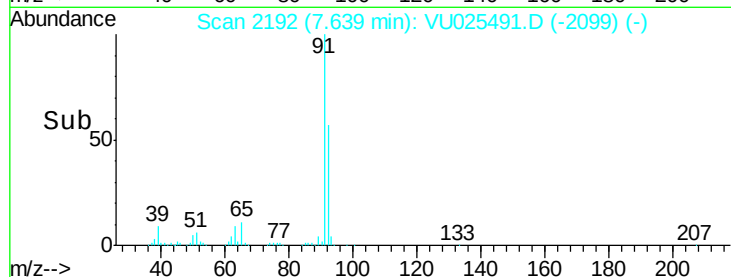
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70



#51

Chlorobenzene

Concen: 49.431 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU025491.D

Acq: 18 Jul 2018 12:27

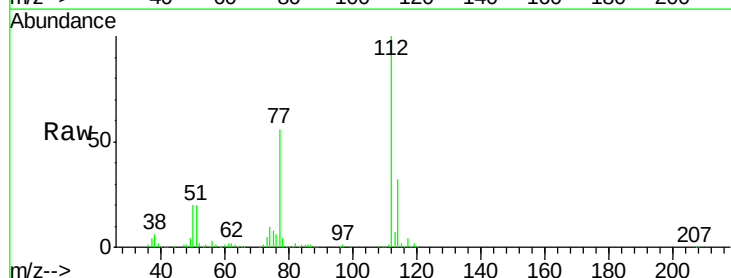
Tgt Ion: 112 Resp: 312507

Ion Ratio Lower Upper

112 100

114 31.6 22.8 42.4

77 56.2 45.8 68.8



Abundance Ion 112.00 (111.70 to 112.70): VU025485.D (-2640) (-)

Ion 114.00 (113.70 to 114.70): VU025485.D (-2640) (-)

Ion 77.00 (76.70 to 77.70): VU025485.D (-2640) (-)

9.12

250000

200000

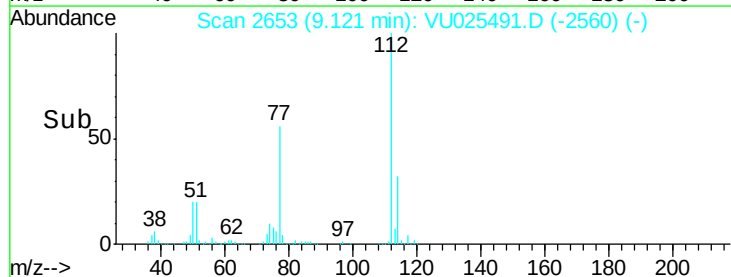
150000

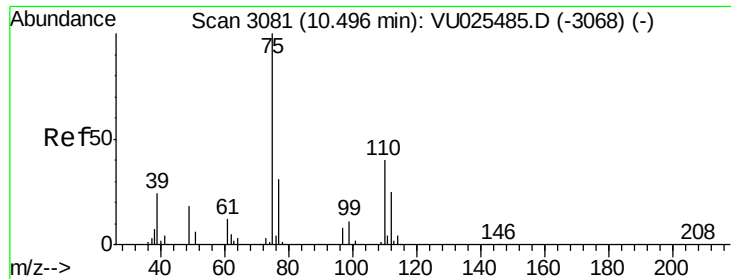
100000

50000

0

Time--> 9.05 9.10 9.15 9.20





#59

1,2,3-Trichloropropane

Concen: 4.729 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU025491.D

Acq: 18 Jul 2018 12:27

Tgt Ion: 75 Resp: 15331

Ion Ratio Lower Upper

75 100

77 41.9 26.2 39.2#

