

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072318\
 Data File : VU025613.D
 Acq On : 23 Jul 2018 19:51
 Operator : MD/SY
 Sample : J4072-06MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 JJ1T3MSD

Quant Time: Jul 24 02:10:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 24 02:07:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	331162	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	311758	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	169130	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70843	37.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.94%
7) Chloroethane-d5	1.68	69	65621	42.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.16%
11) 1,1-Dichloroethene-d2	2.27	63	173290	44.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.06%
21) 2-Butanone-d5	4.18	46	177393	121.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.54%
24) Chloroform-d	4.65	84	191444	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.92%
26) 1,2-Dichloroethane-d4	5.31	65	132374	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
32) Benzene-d6	5.35	84	367936	46.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.04%
36) 1,2-Dichloropropane-d6	6.33	67	124941	48.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.00%
41) Toluene-d8	7.57	98	352903	46.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.04%
43) trans-1,3-Dichloropropene-	7.85	79	59261	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.06%
47) 2-Hexanone-d5	8.31	63	137000	127.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	127.00%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	181444	50.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	160861	46.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.86%

Target Compounds

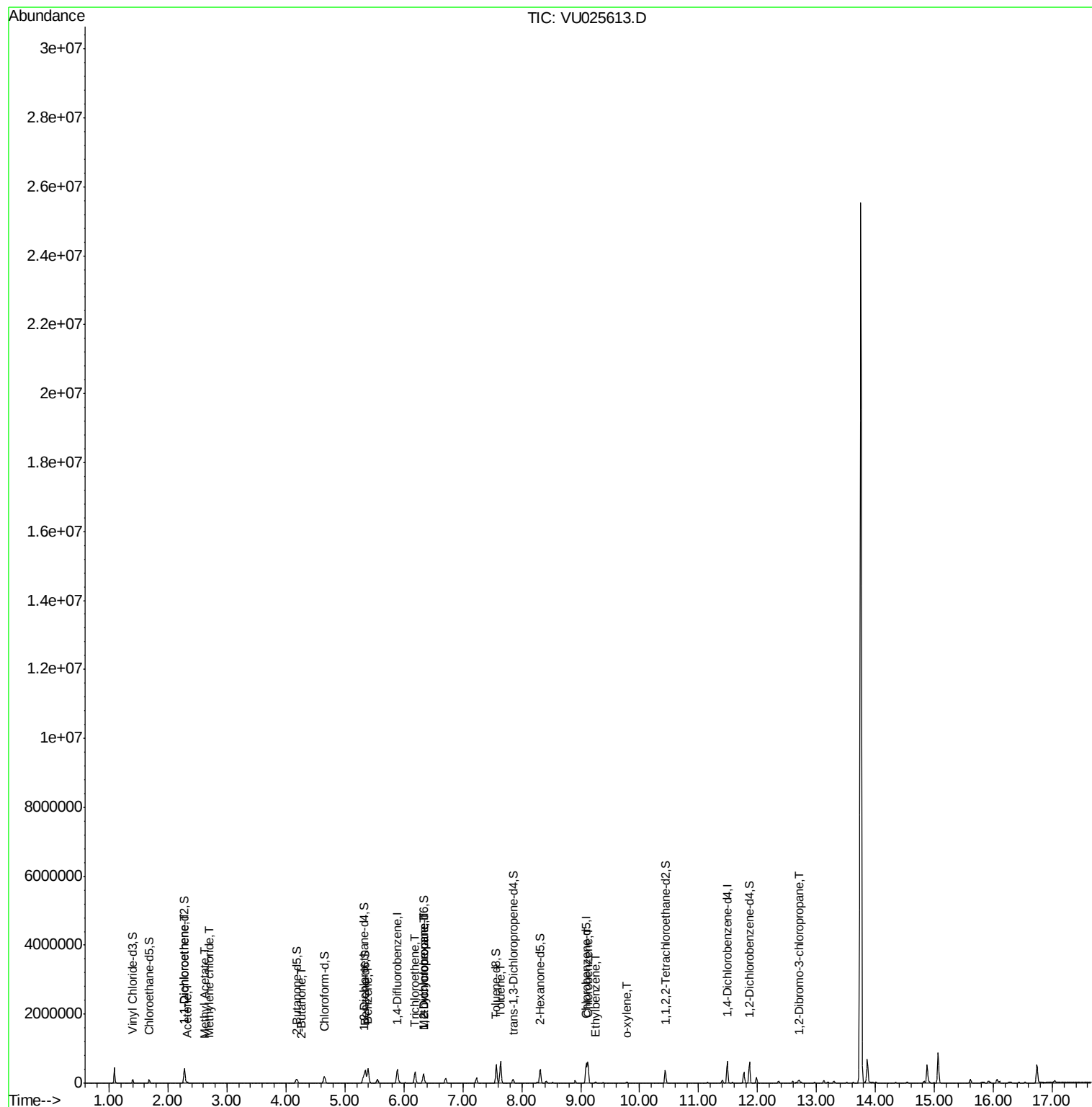
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	87273	46.697	ug/L	96
13) Acetone	2.32	43	20731	12.101	ug/L	96
15) Methyl Acetate	2.62	43	5853	2.472	ug/L	98
16) Methylene chloride	2.70	84	5560	2.388	ug/L	92
22) 2-Butanone	4.27	43	8809	4.619	ug/L	91
33) Benzene	5.39	78	413256	46.134	ug/L	100
34) Trichloroethene	6.19	95	109615	46.119	ug/L	96
35) Methylcyclohexane	6.33	83	29075	7.587	ug/L #	19
37) 1,2-Dichloropropane	6.34	63	14206	5.803	ug/L #	88
42) Toluene	7.64	91	457876	47.398	ug/L	98
51) Chlorobenzene	9.12	112	313496	48.204	ug/L	100
52) Ethylbenzene	9.25	91	24027	2.253	ug/L	99
54) o-xylene	9.78	106	6643	1.603	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.70	75	2330	2.643	ug/L #	1

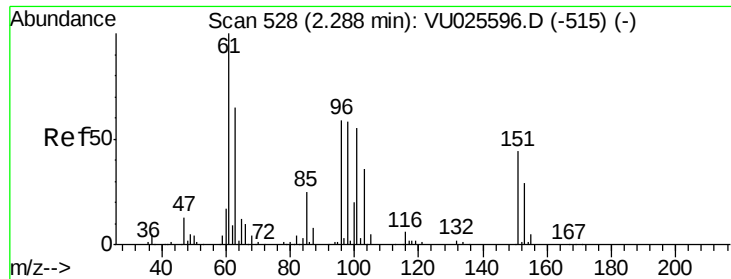
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 24 02:07:37 2018
Response via : Initial Calibration

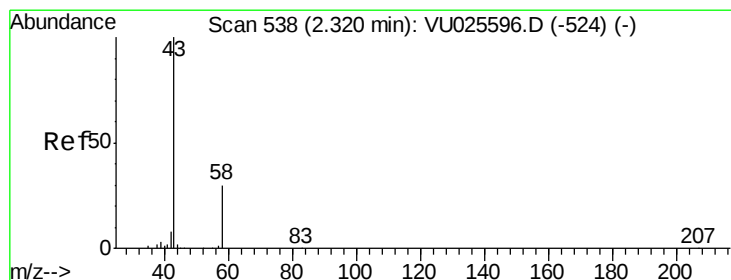
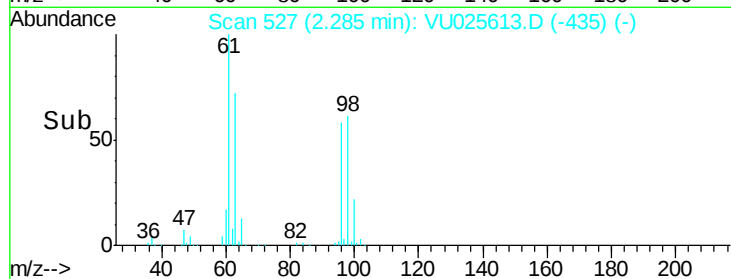
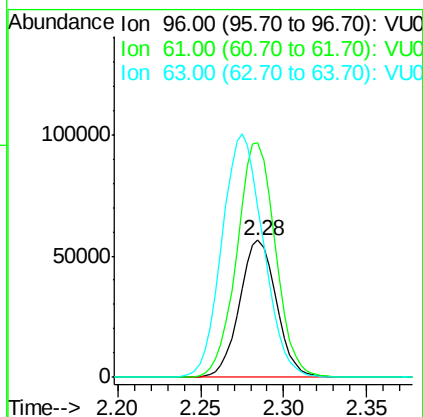
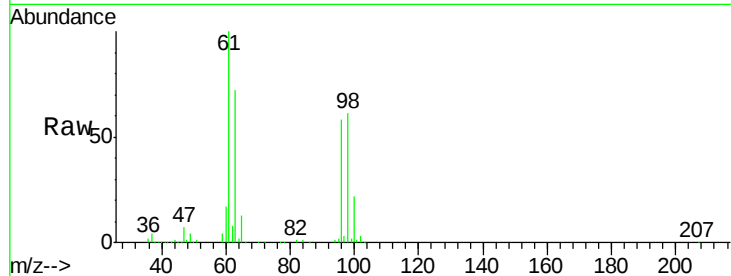




#12
 1,1-Dichloroethene
 Concen: 46.697 ug/L
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025613.D
 Acq: 23 Jul 2018 19:51

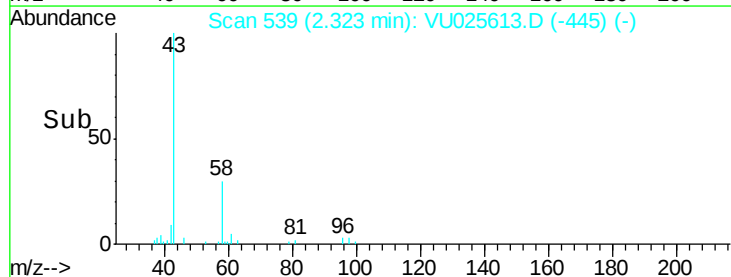
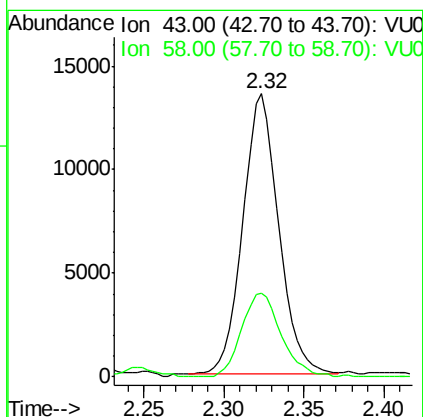
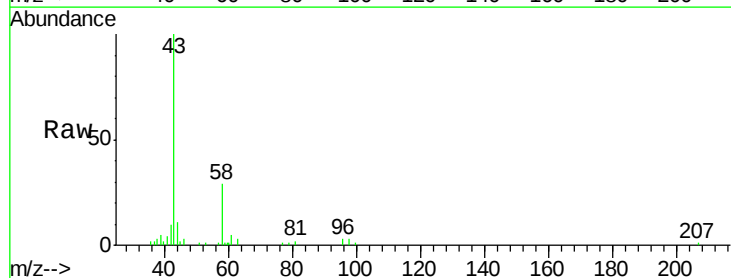
Instrument :
 MSVOA_U
 ClientSampleId :
 JJ1T3MSD

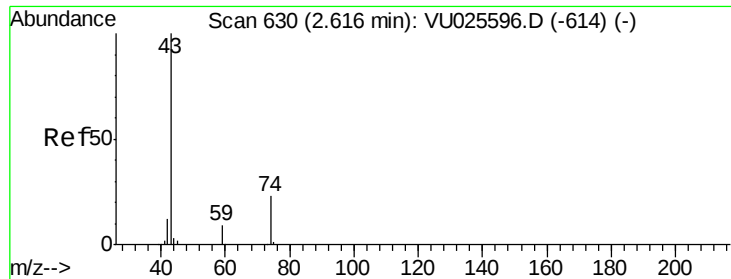
Tot Ion: 96 Resp: 87273
 Ion Ratio Lower Upper
 96 100
 61 171.4 122.5 227.5
 63 124.0 90.9 168.9



#13
 Acetone
 Concen: 12.101 ug/L
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU025613.D
 Acq: 23 Jul 2018 19:51

Tgt Ion: 43 Resp: 20731
 Ion Ratio Lower Upper
 43 100
 58 32.6 0.0 61.2





#15

Methvl Acetate

Concen: 2.472 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025613.D

Acq: 23 Jul 2018 19:51

Instrument :

MSVOA_U

ClientSampleId :

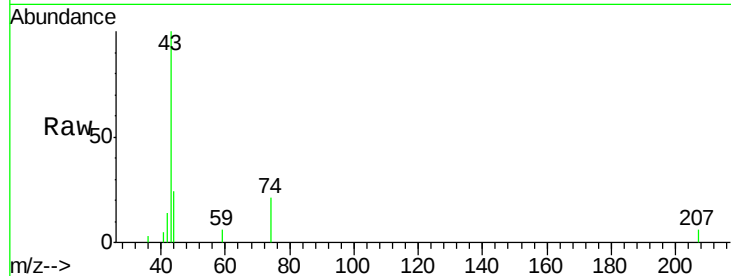
JJ1T3MSD

Tot Ion: 43 Resp: 5853

Ion Ratio Lower Upper

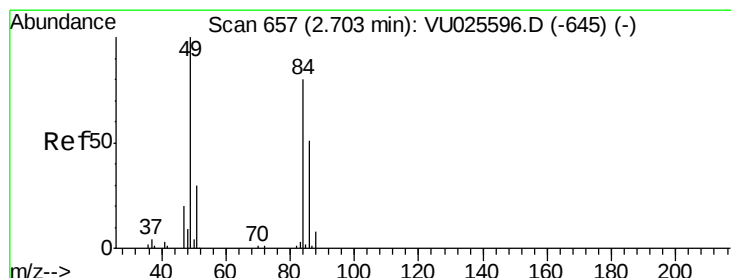
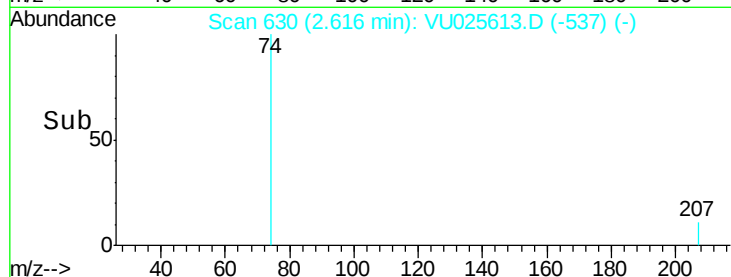
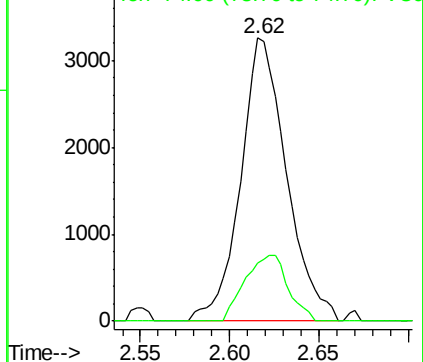
43 100

74 21.9 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 2.388 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025613.D

Acq: 23 Jul 2018 19:51

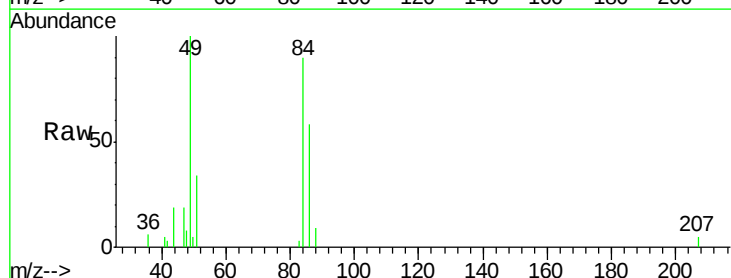
Tgt Ion: 84 Resp: 5560

Ion Ratio Lower Upper

84 100

86 64.6 45.6 84.6

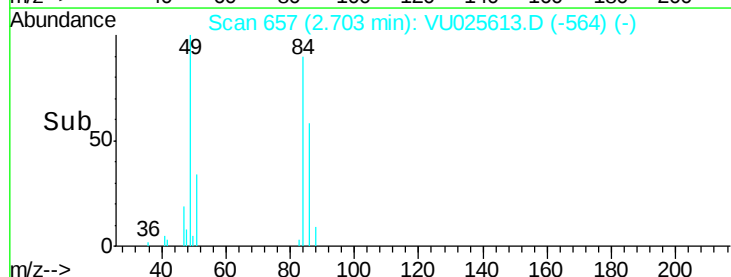
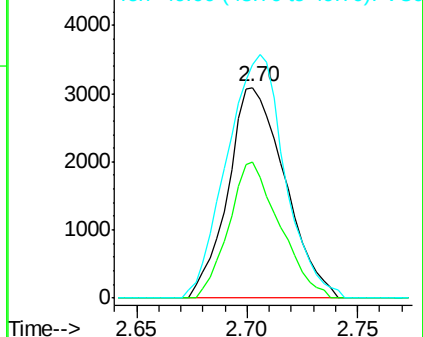
49 111.2 87.0 161.6

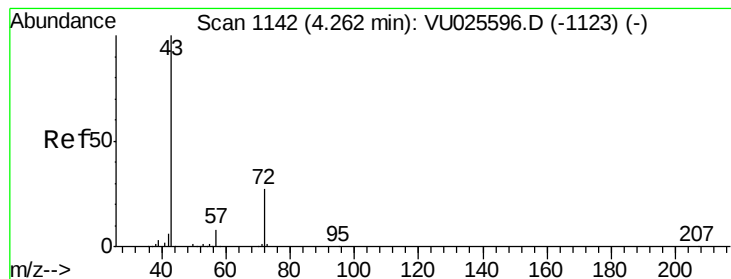


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#22

2-Butanone

Concen: 4.619 ug/L

RT: 4.27 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU025613.D

Acq: 23 Jul 2018 19:51

Instrument :

MSVOA_U

ClientSampleId :

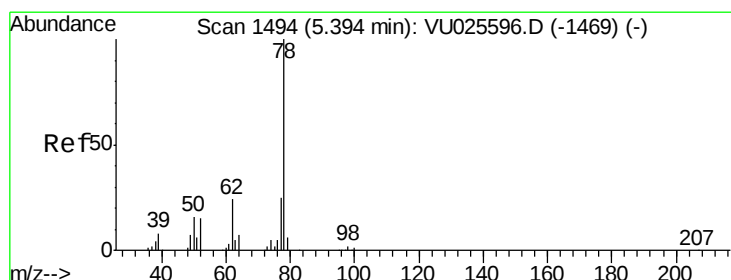
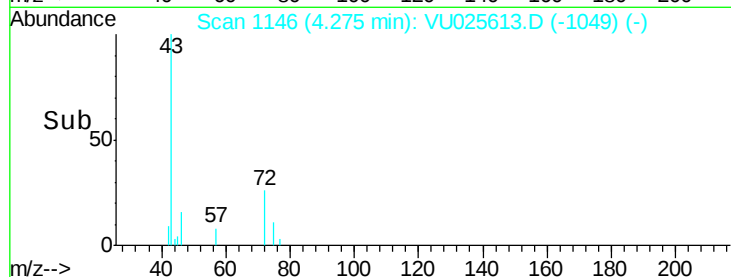
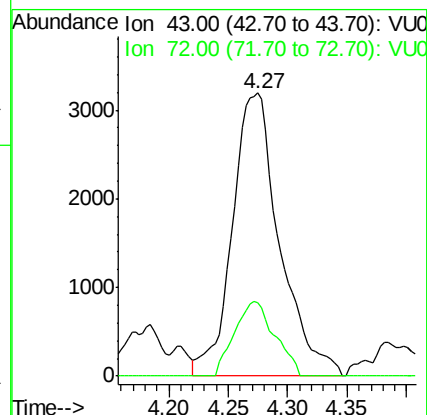
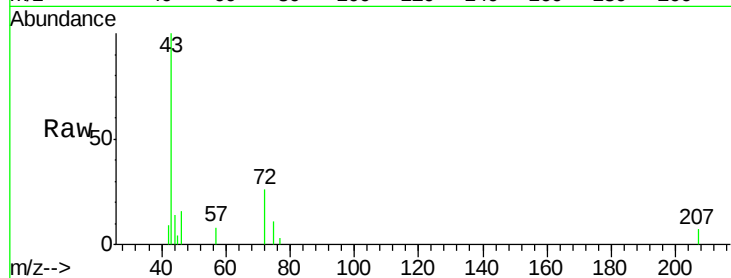
JJ1T3MSD

Tot Ion: 43 Resp: 8809

Ion Ratio Lower Upper

43 100

72 22.5 13.6 40.8



#33

Benzene

Concen: 46.134 ug/L

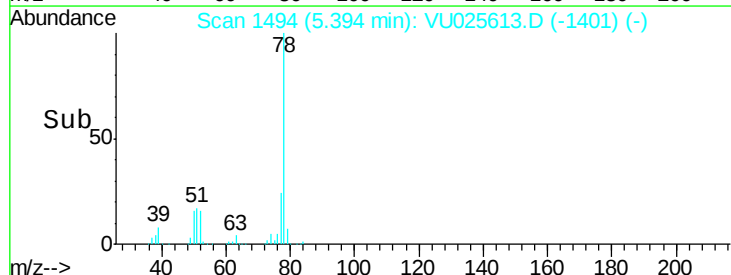
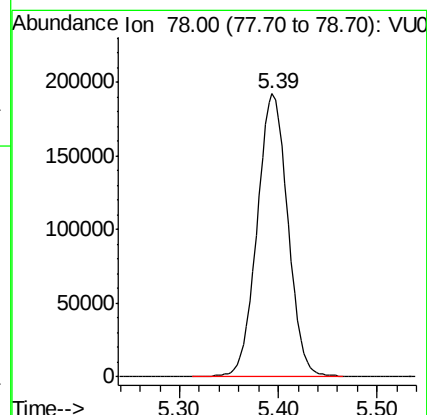
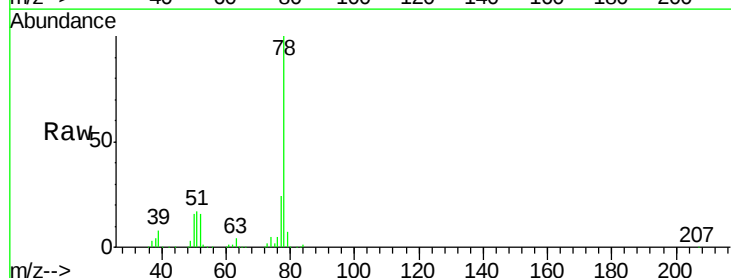
RT: 5.39 min Scan# 1494

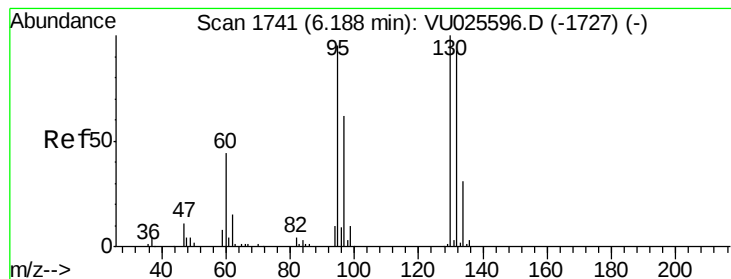
Delta R.T. -0.00 min

Lab File: VU025613.D

Acq: 23 Jul 2018 19:51

Tgt Ion: 78 Resp: 413256





#34

Trichloroethene

Concen: 46.119 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025613.D

Acq: 23 Jul 2018 19:51

Instrument :

MSVOA_U

ClientSampleId :

JJ1T3MSD

Tot Ion: 95 Resp: 109615

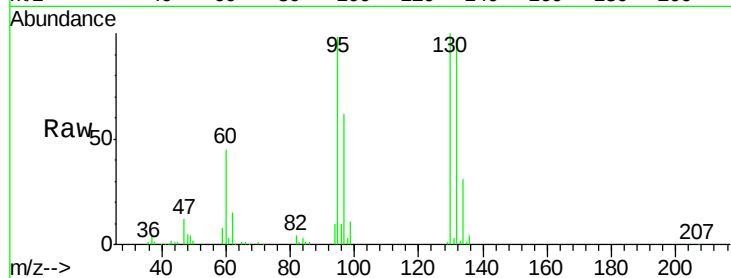
Ion Ratio Lower Upper

95 100

97 63.1 45.9 85.3

132 98.6 72.2 134.2

130 101.8 74.9 139.1

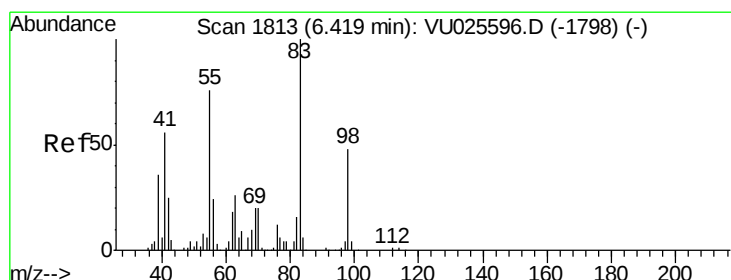
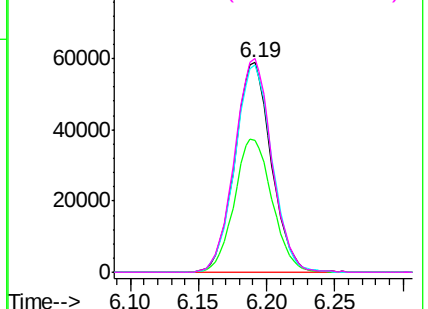
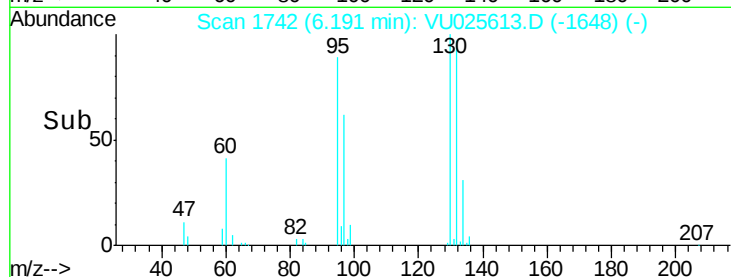


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 7.587 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.09 min

Lab File: VU025613.D

Acq: 23 Jul 2018 19:51

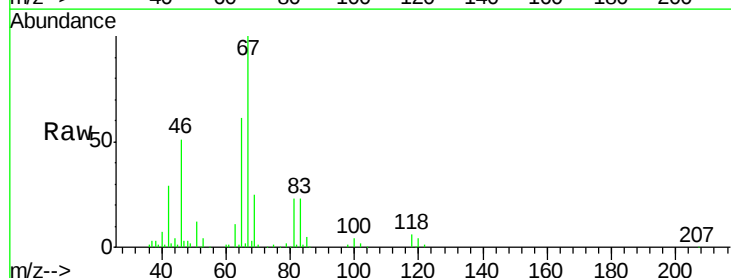
Tgt Ion: 83 Resp: 29075

Ion Ratio Lower Upper

83 100

55 0.5 61.1 91.7#

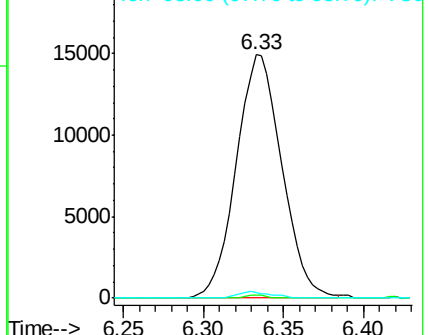
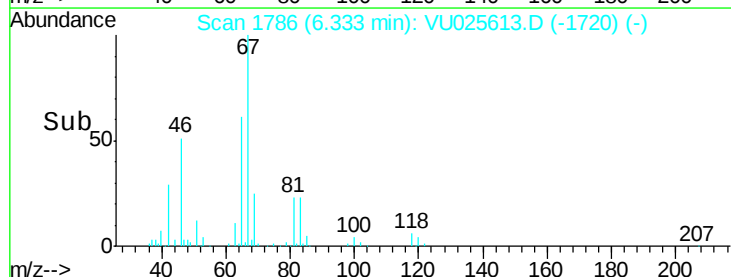
98 2.0 38.6 57.8#

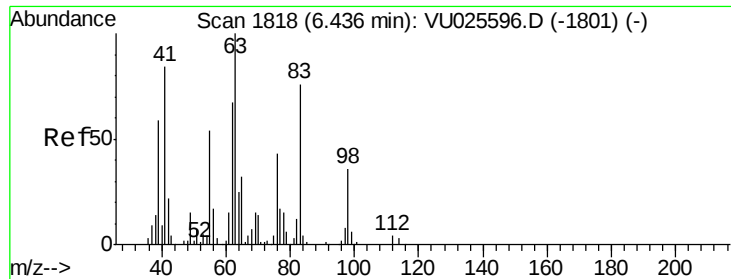


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

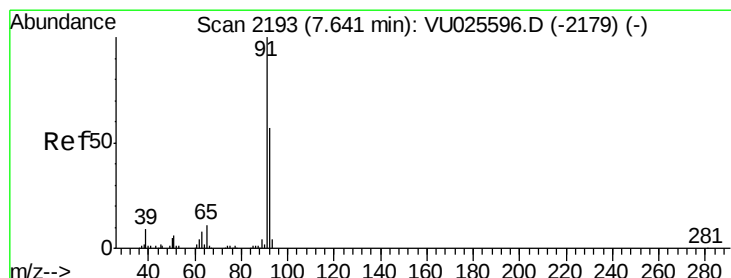
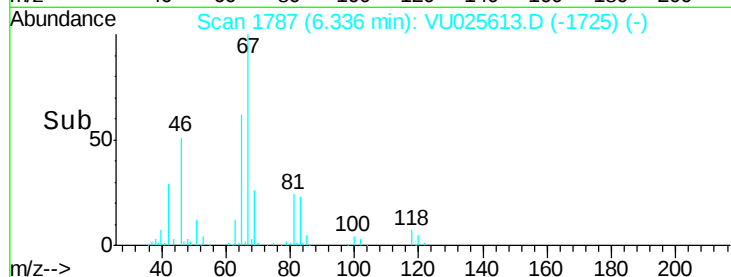
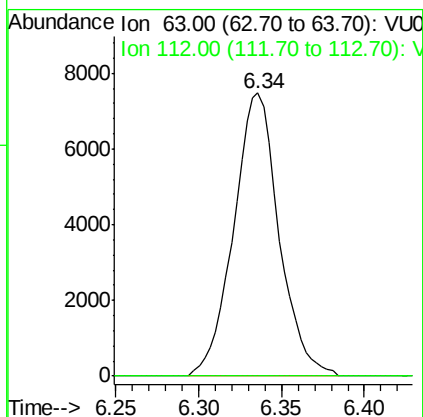
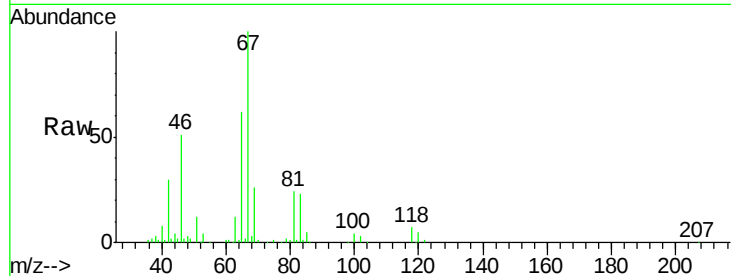




#37
 1,2-Dichloropropane
 Concen: 5.803 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU025613.D
 Acq: 23 Jul 2018 19:51

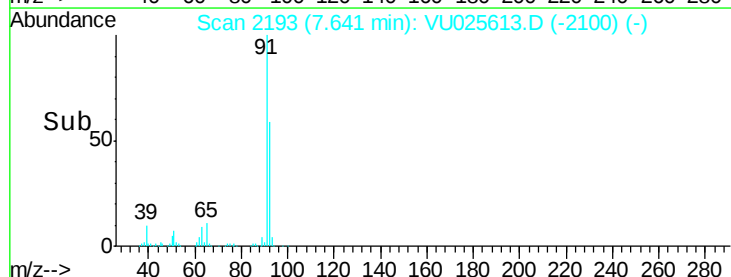
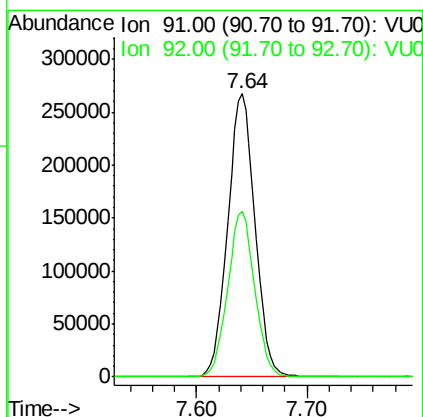
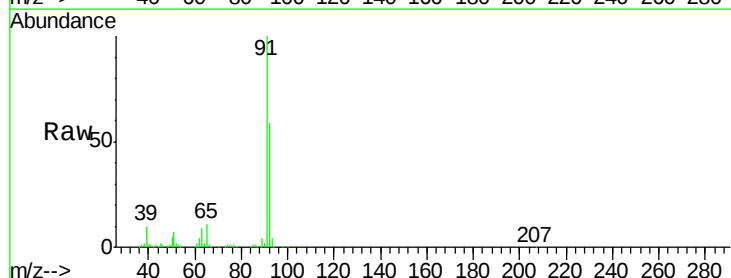
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 JJ1T3MSD

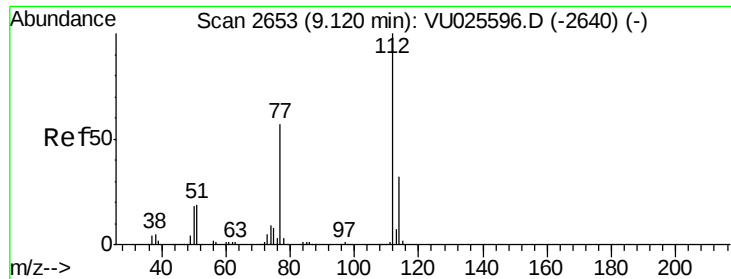
Tot Ion: 63 Resp: 14206
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#42
 Toluene
 Concen: 47.398 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU025613.D
 Acq: 23 Jul 2018 19:51

Tgt Ion: 91 Resp: 457876
 Ion Ratio Lower Upper
 91 100
 92 58.5 40.0 74.2





#51

Chlorobenzene

Concen: 48.204 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025613.D

Acq: 23 Jul 2018 19:51

Instrument :

MSVOA_U

ClientSampleId :

JJ1T3MSD

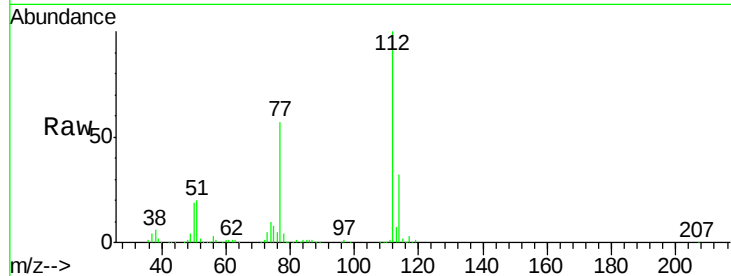
Tot Ion:112 Resp: 313496

Ion Ratio Lower Upper

112 100

114 31.8 22.5 41.9

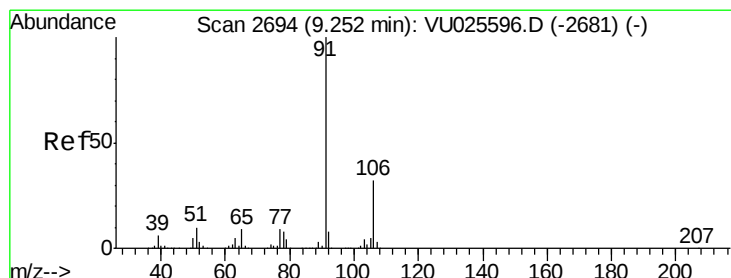
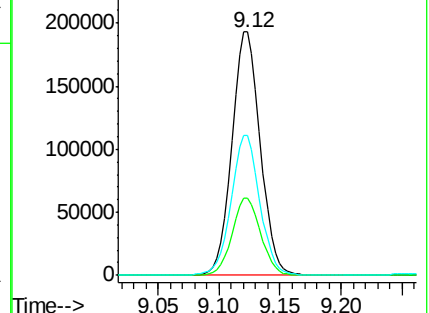
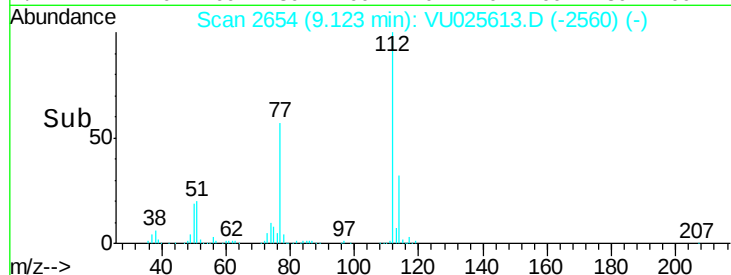
77 57.4 45.8 68.8



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



#52

Ethylbenzene

Concen: 2.253 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025613.D

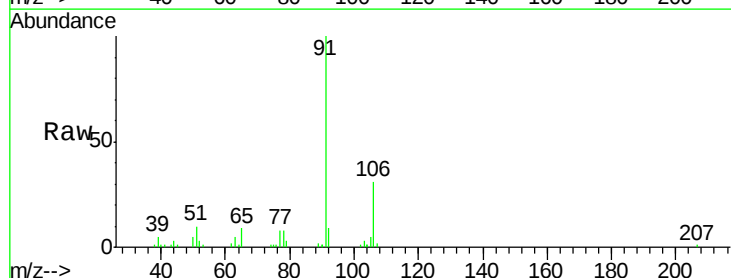
Acq: 23 Jul 2018 19:51

Tgt Ion: 91 Resp: 24027

Ion Ratio Lower Upper

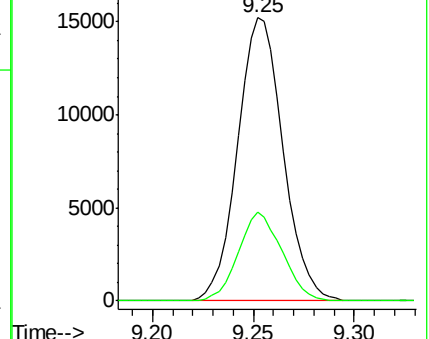
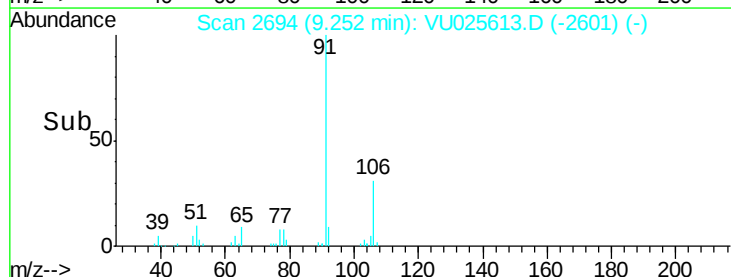
91 100

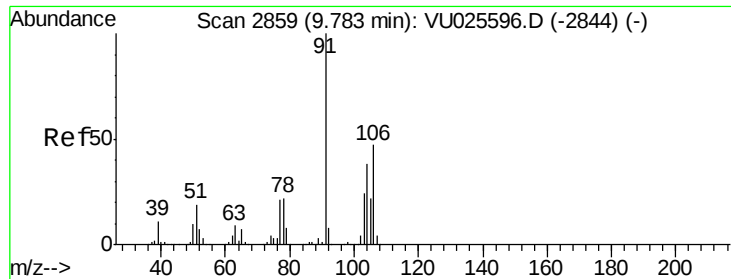
106 31.3 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#54

o-xylene

Concen: 1.603 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025613.D

Acq: 23 Jul 2018 19:51

Instrument :

MSVOA_U

ClientSampleId :

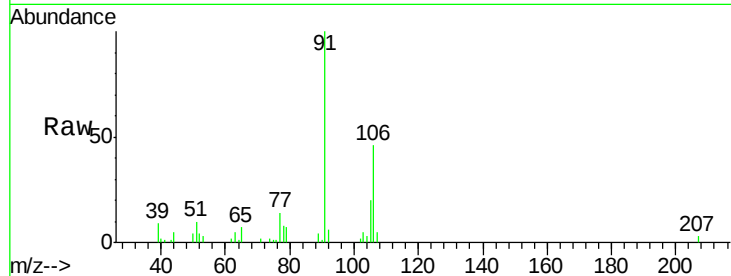
JJ1T3MSD

Tot Ion:106 Resp: 6643

Ion Ratio Lower Upper

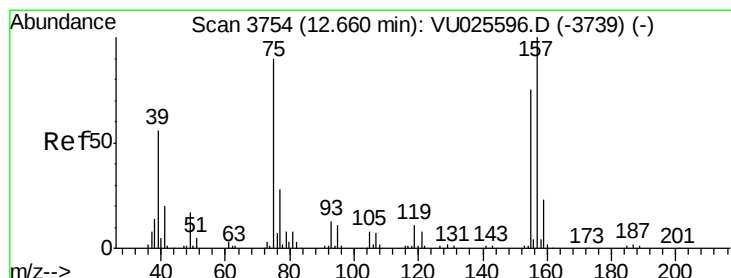
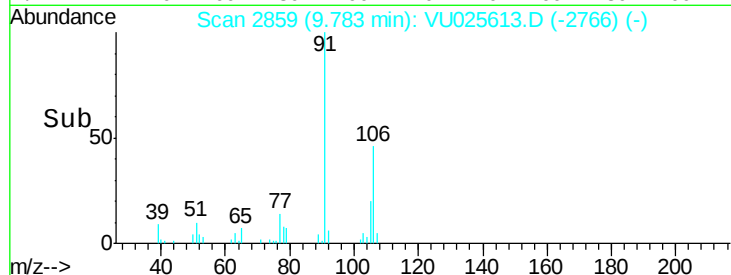
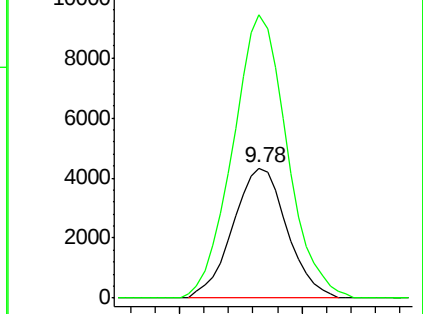
106 100

91 217.2 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

1,2-Dibromo-3-chloropropane

Concen: 2.643 ug/L

RT: 12.70 min Scan# 3766

Delta R.T. 0.04 min

Lab File: VU025613.D

Acq: 23 Jul 2018 19:51

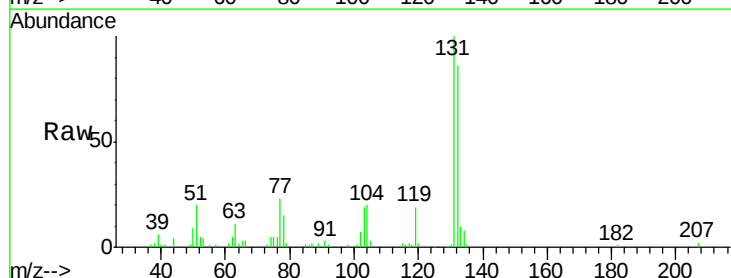
Tgt Ion: 75 Resp: 2330

Ion Ratio Lower Upper

75 100

155 0.0 66.3 99.5#

157 0.0 91.5 137.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

