

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072318\
 Data File : VU025611.D
 Acq On : 23 Jul 2018 19:04
 Operator : MD/SY
 Sample : J4072-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 JJ1T3

Quant Time: Jul 24 02:09:48 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	313609	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	299307	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	156627	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62480	34.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.80%
7) Chloroethane-d5	1.68	69	57238	38.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.52%
11) 1,1-Dichloroethene-d2	2.27	63	110182	29.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.12%#
21) 2-Butanone-d5	4.18	46	155513	112.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.51%
24) Chloroform-d	4.65	84	170461	42.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.48%
26) 1,2-Dichloroethane-d4	5.31	65	119279	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.46%
32) Benzene-d6	5.35	84	325278	42.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.74%
36) 1,2-Dichloropropane-d6	6.33	67	108576	43.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.80%
41) Toluene-d8	7.57	98	315742	42.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.78%
43) trans-1,3-Dichloropropene-	7.85	79	53945	42.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.40%
47) 2-Hexanone-d5	8.31	63	119394	115.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.28%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	159169	46.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	144981	45.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.34%

Target Compounds

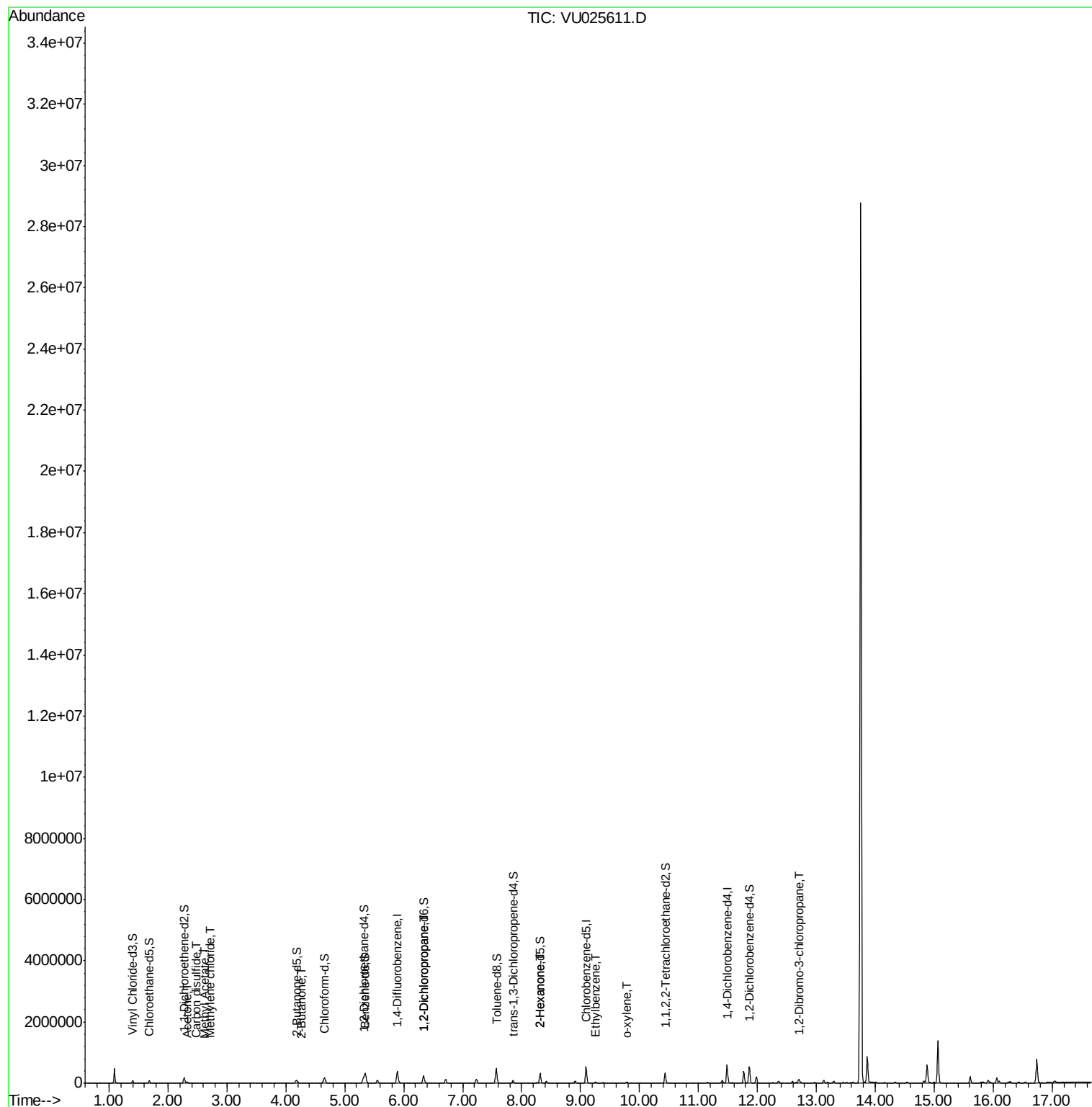
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	21624	13.329	ug/L	97
14) Carbon disulfide	2.48	76	10339	1.794	ug/L	100
15) Methyl Acetate	2.62	43	5068	2.260	ug/L #	90
16) Methylene chloride	2.70	84	4795	2.175	ug/L	91
22) 2-Butanone	4.27	43	8281	4.585	ug/L	76
37) 1,2-Dichloropropane	6.34	63	13092	5.571	ug/L #	88
48) 2-Hexanone	8.31	43	13821	5.300	ug/L #	66
52) Ethylbenzene	9.25	91	27719	2.708	ug/L	94
54) o-xylene	9.78	106	7765	1.952	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.70	75	3097	3.794	ug/L #	1

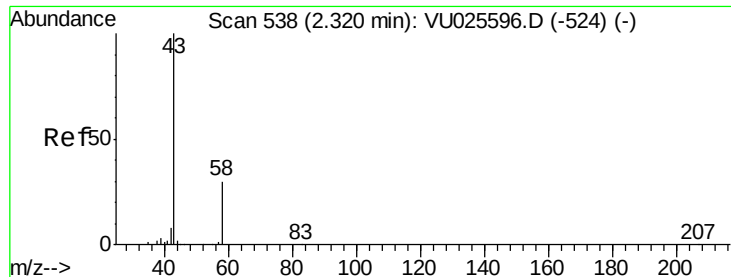
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 13.329 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025611.D

Acq: 23 Jul 2018 19:04

Instrument :

MSVOA_U

ClientSampleId :

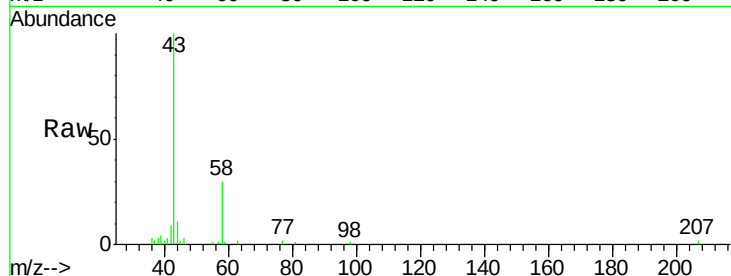
JJ1T3

Tot Ion: 43 Resp: 21624

Ion Ratio Lower Upper

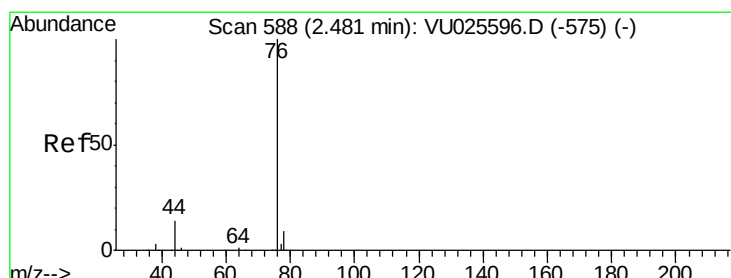
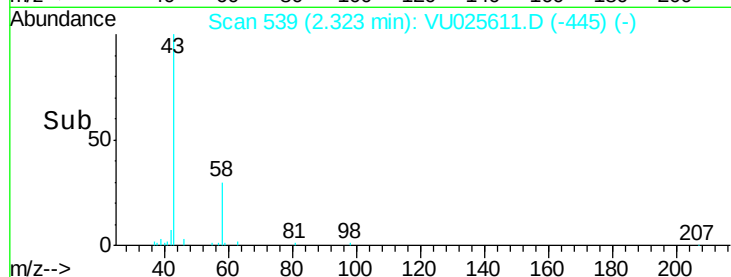
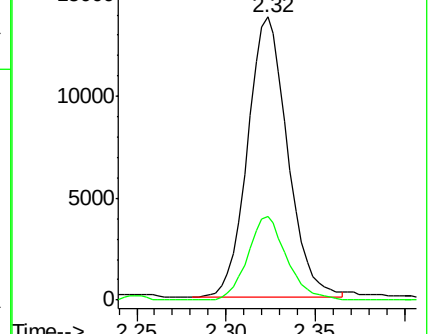
43 100

58 29.0 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 1.794 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025611.D

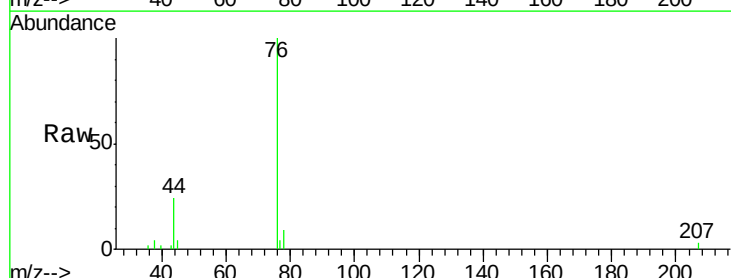
Acq: 23 Jul 2018 19:04

Tgt Ion: 76 Resp: 10339

Ion Ratio Lower Upper

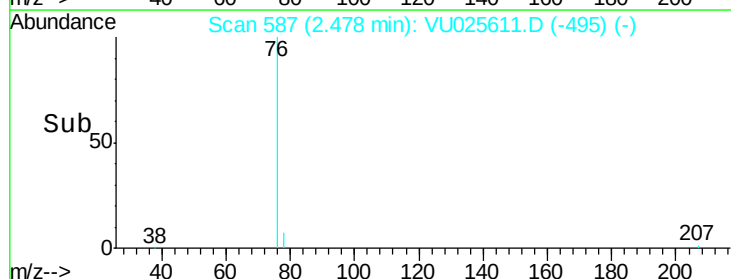
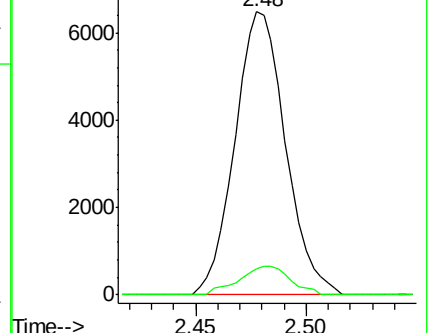
76 100

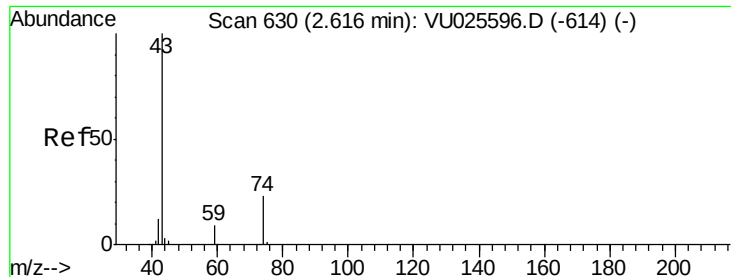
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

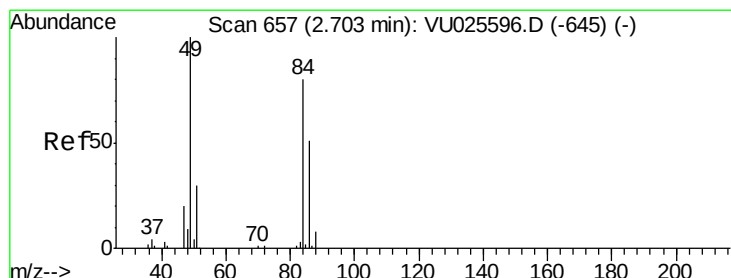
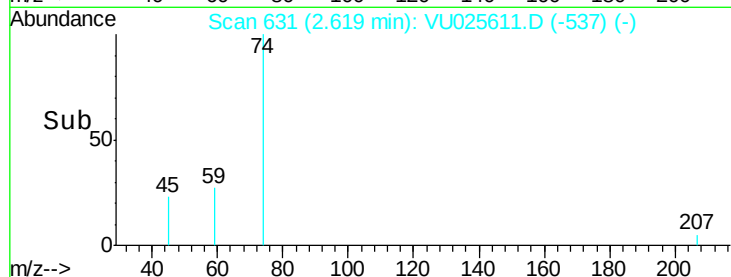
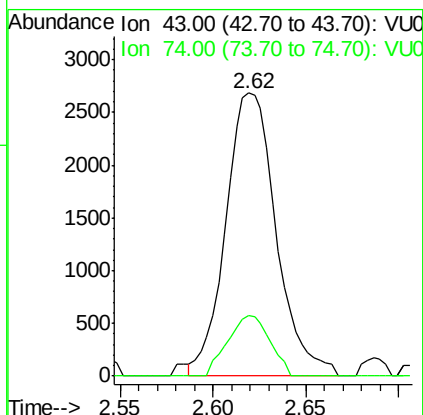
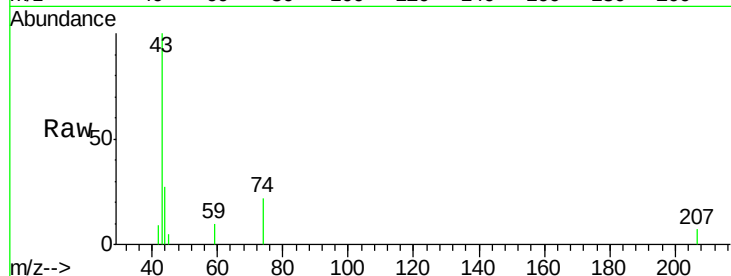




#15
Methyl Acetate
Concen: 2.260 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025611.D
Acq: 23 Jul 2018 19:04

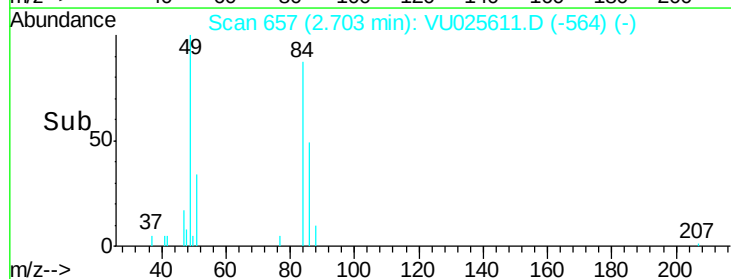
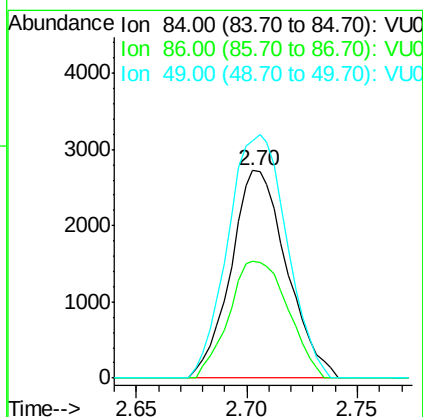
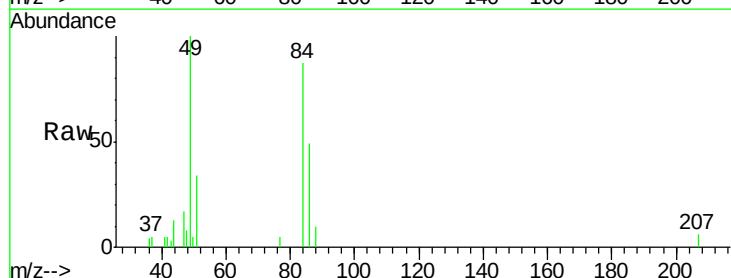
Instrument :
MSVOA_U
ClientSampleId :
JJ1T3

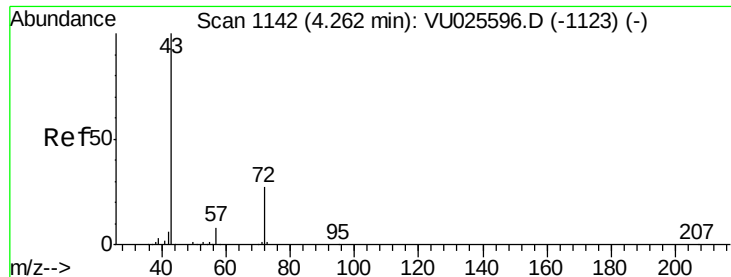
Tot Ion: 43 Resp: 5068
Ion Ratio Lower Upper
43 100
74 17.9 18.3 27.5#



#16
Methylene chloride
Concen: 2.175 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025611.D
Acq: 23 Jul 2018 19:04

Tgt Ion: 84 Resp: 4795
Ion Ratio Lower Upper
84 100
86 56.6 45.6 84.6
49 114.8 87.0 161.6





#22

2-Butanone

Concen: 4.585 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU025611.D

Acq: 23 Jul 2018 19:04

Instrument :

MSVOA_U

ClientSampleId :

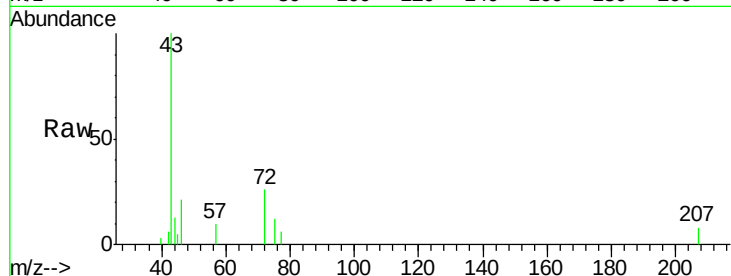
JJ1T3

Tot Ion: 43 Resp: 8281

Ion Ratio Lower Upper

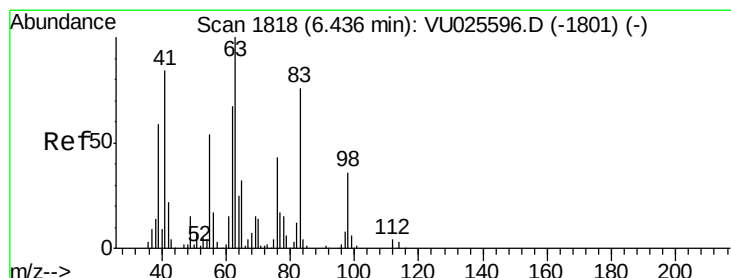
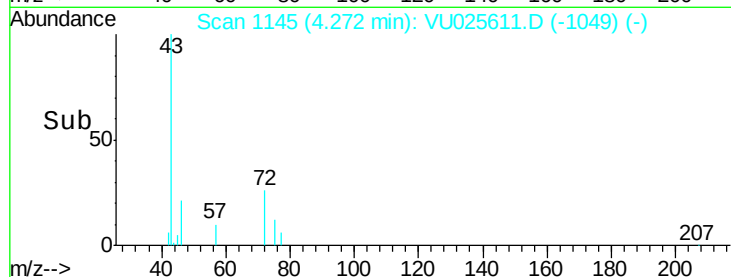
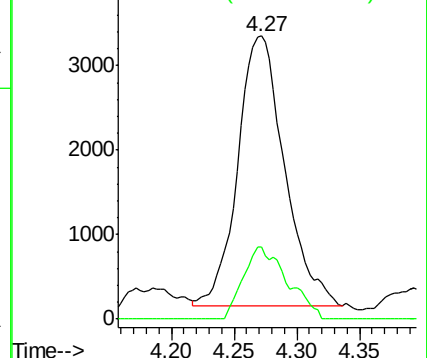
43 100

72 14.5 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#37

1,2-Dichloropropane

Concen: 5.571 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU025611.D

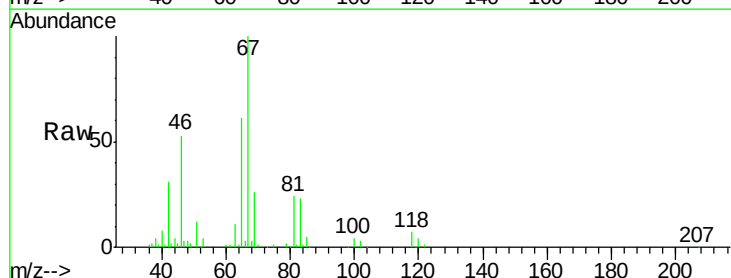
Acq: 23 Jul 2018 19:04

Tgt Ion: 63 Resp: 13092

Ion Ratio Lower Upper

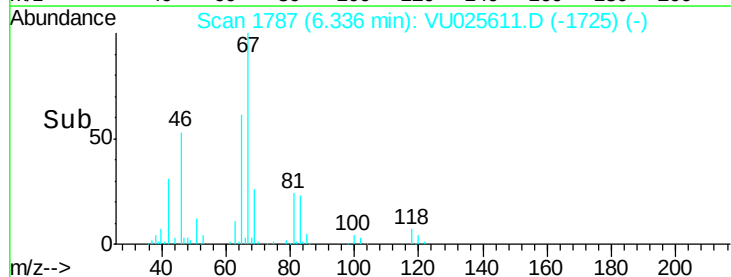
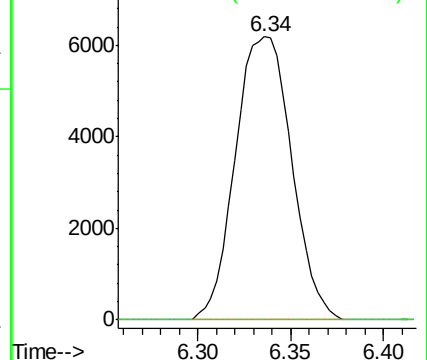
63 100

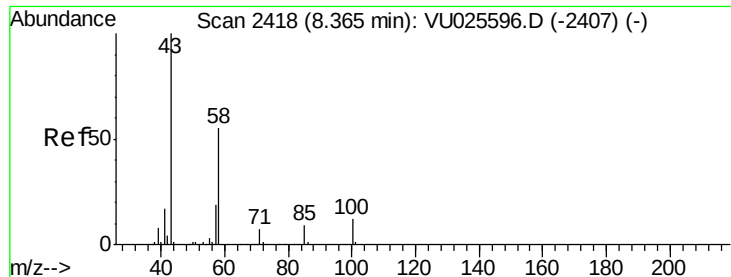
112 0.0 3.3 4.9#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

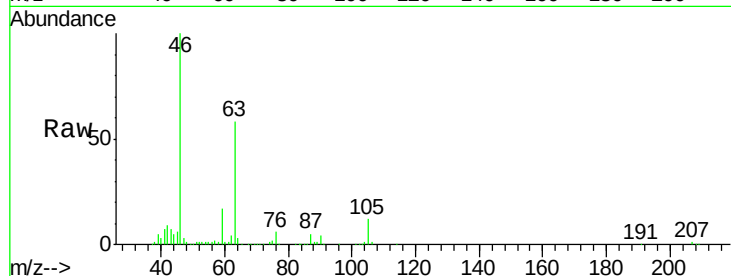




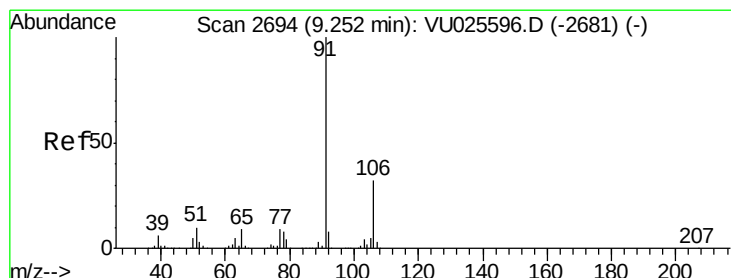
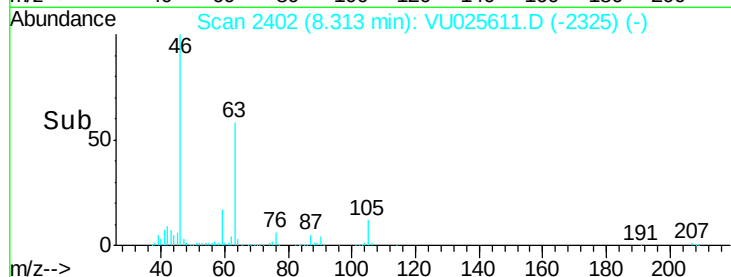
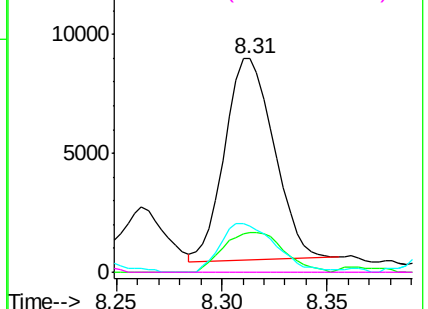
#48
2-Hexanone
Concen: 5.300 ug/L
RT: 8.31 min Scan# 2402
Delta R.T. -0.05 min
Lab File: VU025611.D
Acq: 23 Jul 2018 19:04

Instrument :
MSVOA_U
ClientSampleId :
JJ1T3

Tot Ion: 43 Resp: 13821
Ion Ratio Lower Upper
43 100
58 24.2 42.9 64.3#
57 27.1 15.4 23.2#
100 0.0 9.6 14.4#

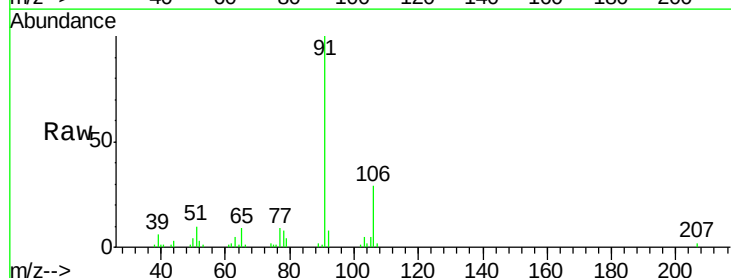


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

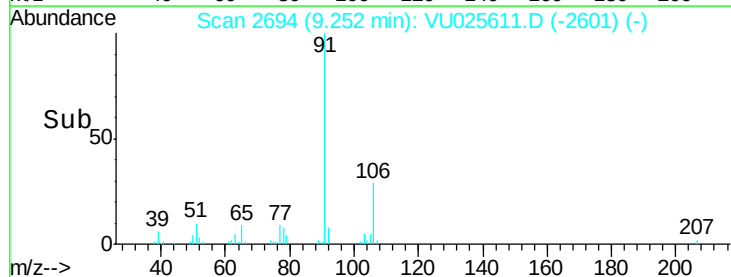
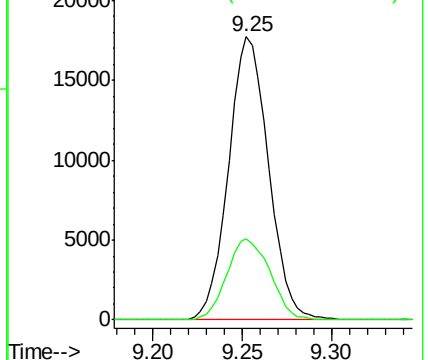


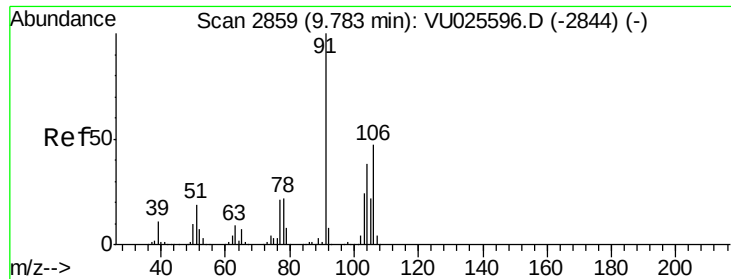
#52
Ethylbenzene
Concen: 2.708 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025611.D
Acq: 23 Jul 2018 19:04

Tgt Ion: 91 Resp: 27719
Ion Ratio Lower Upper
91 100
106 28.7 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 106.00 (105.70 to 106.70): VU0

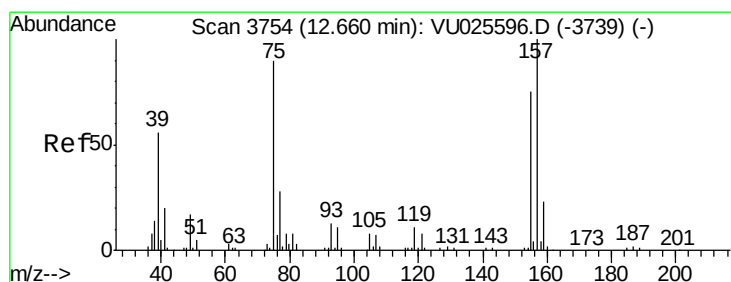
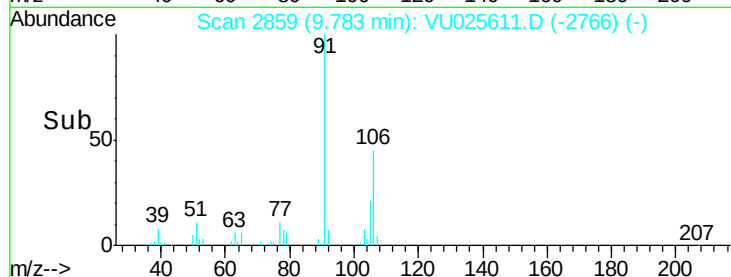
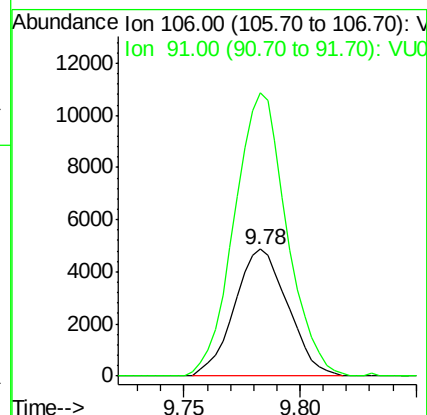
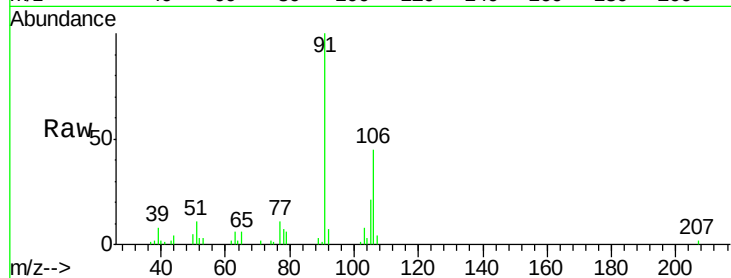




#54
o-xylene
Concen: 1.952 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025611.D
Acq: 23 Jul 2018 19:04

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Tot Ion:106 Resp: 7765
Ion Ratio Lower Upper
106 100
91 223.1 150.6 279.6



#66
1,2-Dibromo-3-chloropropane
Concen: 3.794 ug/L
RT: 12.70 min Scan# 3766
Delta R.T. 0.04 min
Lab File: VU025611.D
Acq: 23 Jul 2018 19:04

Tgt Ion: 75 Resp: 3097
Ion Ratio Lower Upper
75 100
155 0.0 66.3 99.5#
157 0.0 91.5 137.3#

