

Data File : VU029702.D
Acq On : 27 Feb 2019 14:11
Operator : JC/SP
Sample : VU0227WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 28 00:53:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 28 00:50:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	458318	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	444094	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	214837	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	159973	47.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.26%
7) Chloroethane-d5	1.68	69	135752	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.94%
11) 1,1-Dichloroethene-d2	2.27	63	235961	35.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.88%
21) 2-Butanone-d5	4.17	46	254494	124.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	124.52%
24) Chloroform-d	4.64	84	283368	52.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.04%
26) 1,2-Dichloroethane-d4	5.31	65	183489	53.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.40%
32) Benzene-d6	5.34	84	631291	56.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.98%
36) 1,2-Dichloropropane-d6	6.33	67	193448	57.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.08%
41) Toluene-d8	7.56	98	592684	51.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.94%
43) trans-1,3-Dichloropropene-	7.85	79	89323	50.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.18%
47) 2-Hexanone-d5	8.31	63	212061	113.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	290226	51.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	241480	52.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.32%

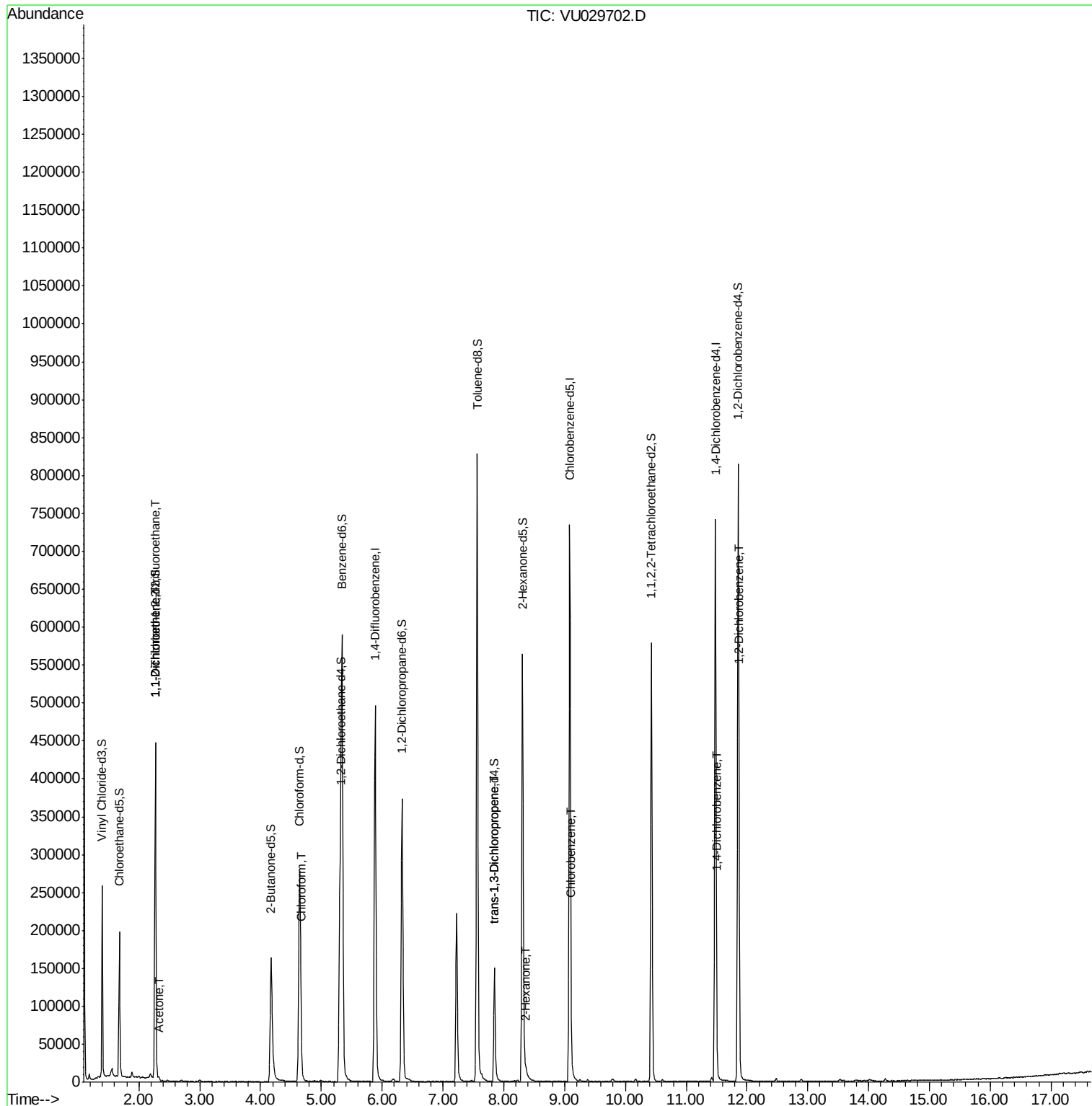
Target Compounds

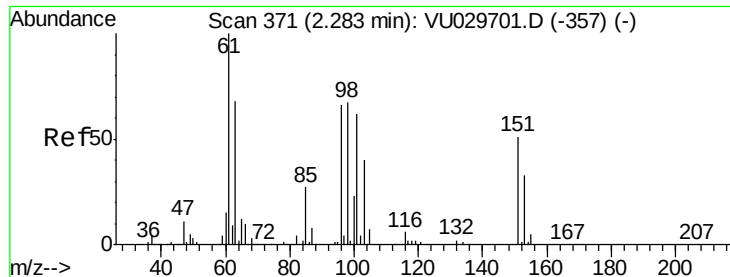
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3059	0.958	ug/L #	27
12) 1,1-Dichloroethene	2.27	96	2655	0.875	ug/L #	1
13) Acetone	2.32	43	1475	0.675	ug/L	87
25) Chloroform	4.67	83	7262	1.344	ug/L	92
44) trans-1,3-Dichloropropene	7.85	75	3623	0.797	ug/L #	78
48) 2-Hexanone	8.37	43	4717	1.285	ug/L #	63
51) Chlorobenzene	9.12	112	5771	0.624	ug/L	90
63) 1,4-Dichlorobenzene	11.51	146	7176	1.041	ug/L	91
65) 1,2-Dichlorobenzene	11.88	146	5262	0.736	ug/L #	91

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

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.958 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029702.D

Acq: 27 Feb 2019 14:11

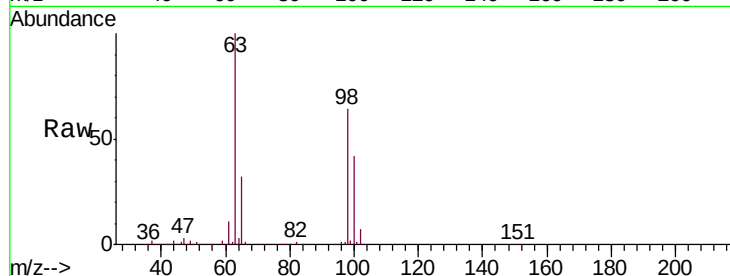
Tgt Ion: 101 Resp: 3059

Ion Ratio Lower Upper

101 100

85 2.2 33.0 49.6#

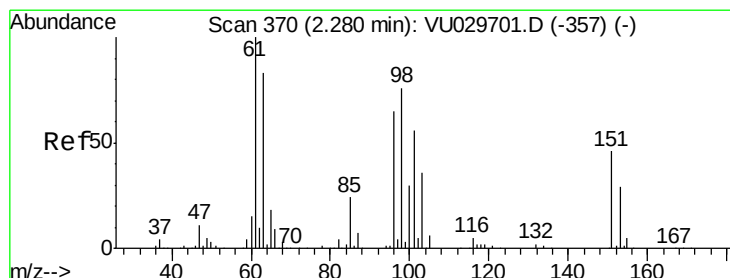
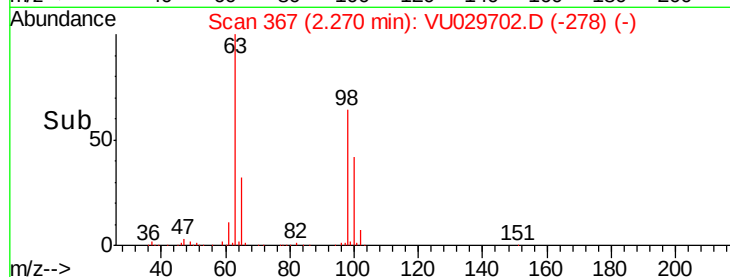
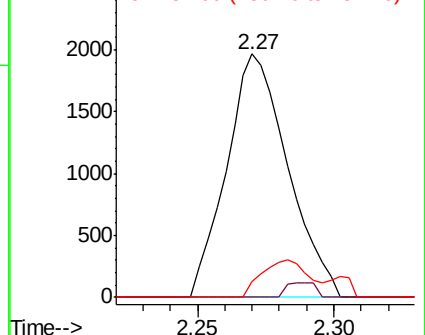
151 11.8 65.7 98.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.875 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029702.D

Acq: 27 Feb 2019 14:11

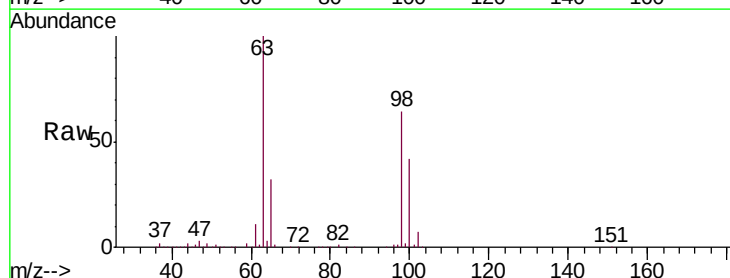
Tgt Ion: 96 Resp: 2655

Ion Ratio Lower Upper

96 100

61 1004.5 114.0 211.8#

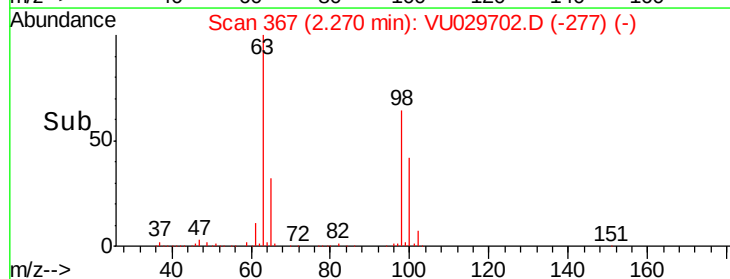
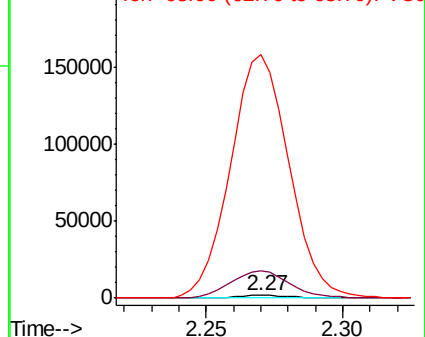
63 8846.6 98.7 183.3#

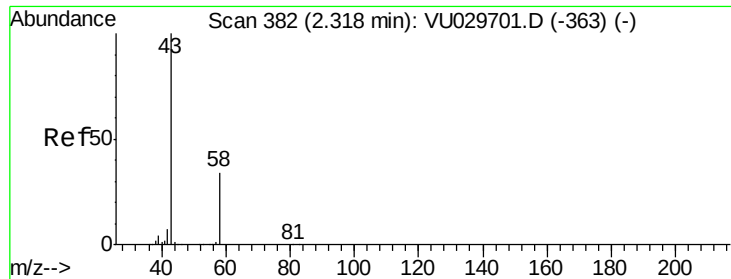


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.675 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029702.D

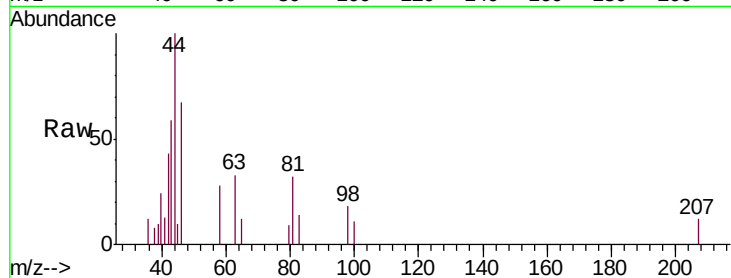
Acq: 27 Feb 2019 14:11

Tgt Ion: 43 Resp: 1475

Ion Ratio Lower Upper

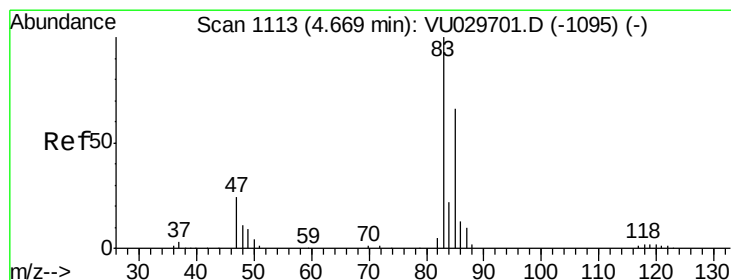
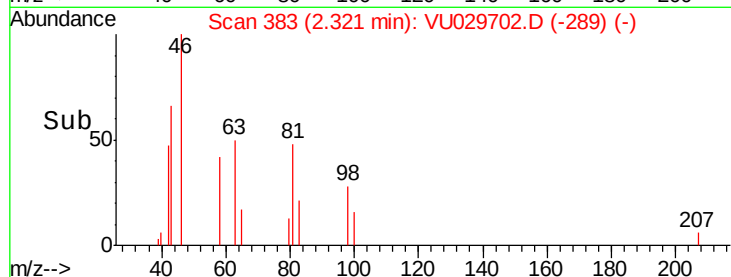
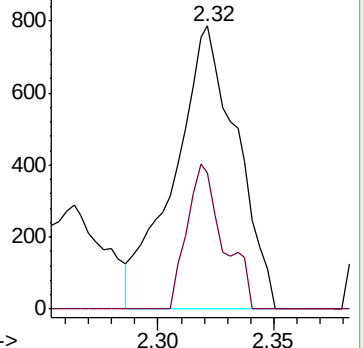
43 100

58 26.2 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

Chloroform

Concen: 1.344 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029702.D

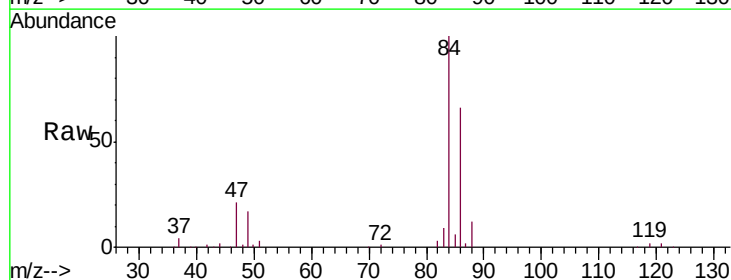
Acq: 27 Feb 2019 14:11

Tgt Ion: 83 Resp: 7262

Ion Ratio Lower Upper

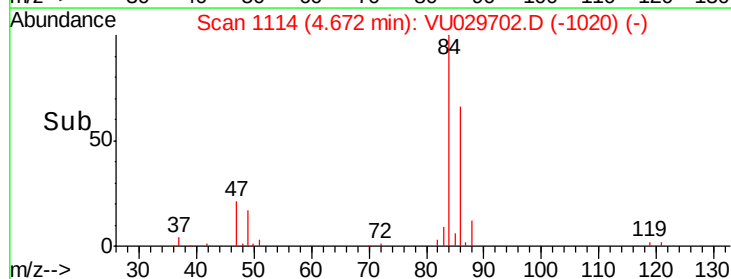
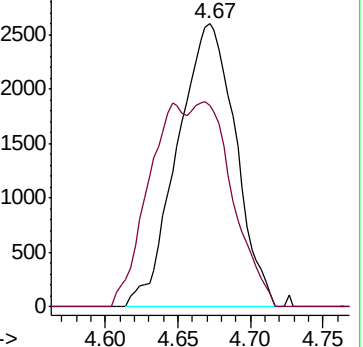
83 100

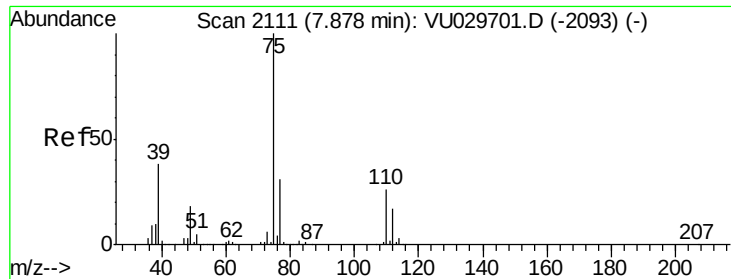
85 71.4 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.797 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU029702.D

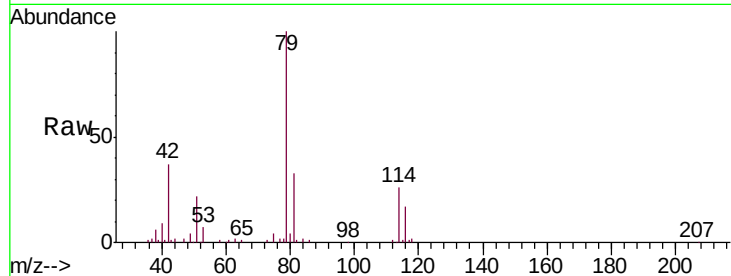
Acq: 27 Feb 2019 14:11

Tgt Ion: 75 Resp: 3623

Ion Ratio Lower Upper

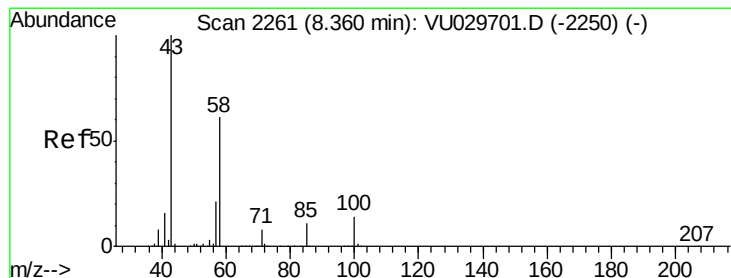
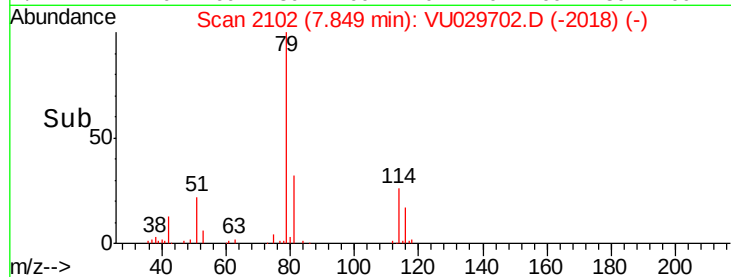
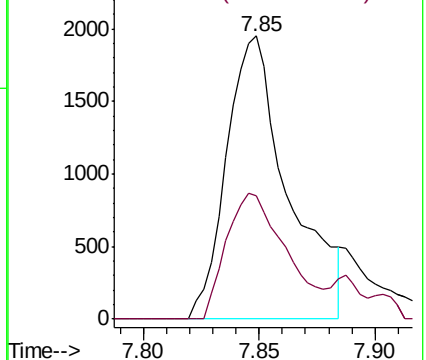
75 100

77 43.6 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#48

2-Hexanone

Concen: 1.285 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU029702.D

Acq: 27 Feb 2019 14:11

Tgt Ion: 43 Resp: 4717

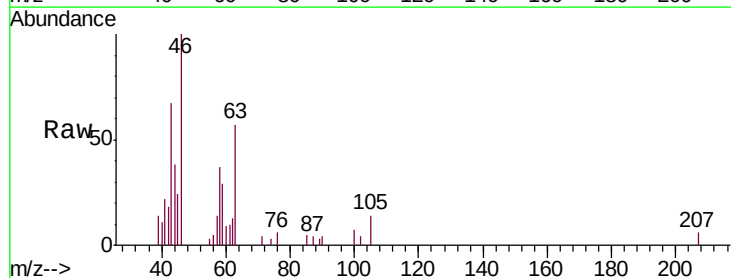
Ion Ratio Lower Upper

43 100

58 28.2 46.4 69.6#

57 0.0 15.7 23.5#

100 6.5 10.9 16.3#

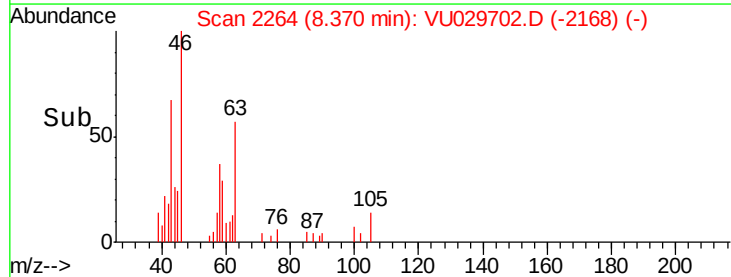
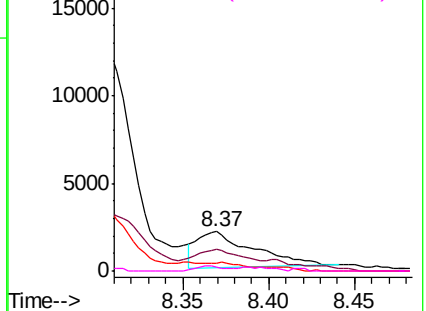


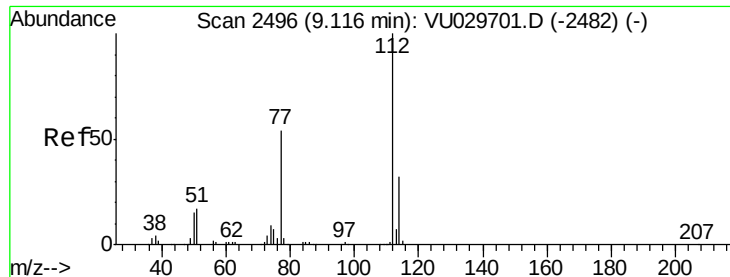
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

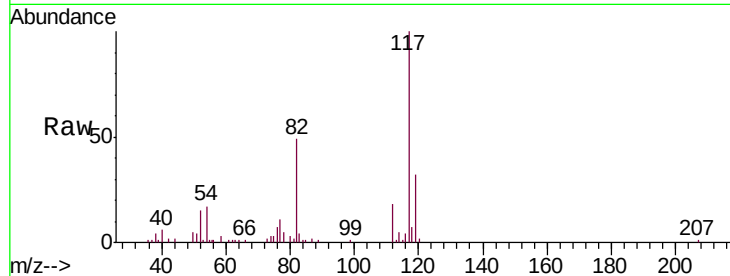
Ion 100.00 (99.70 to 100.70): VU0



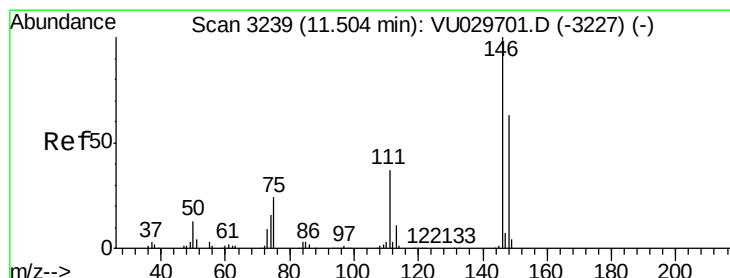
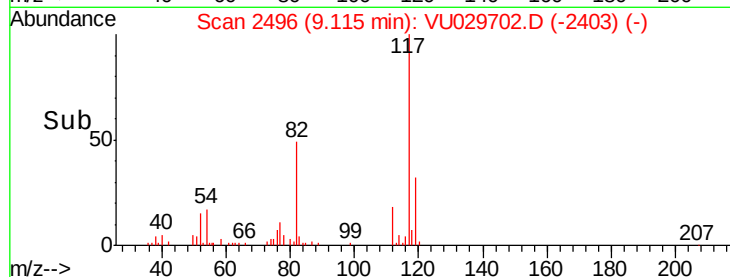
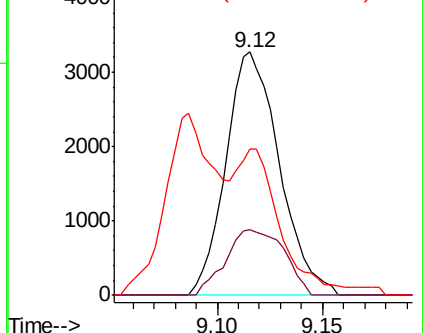


#51
Chlorobenzene
Concen: 0.624 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029702.D
Acq: 27 Feb 2019 14:11

Tgt Ion:112 Resp: 5771
Ion Ratio Lower Upper
112 100
114 27.0 22.7 42.1
77 60.0 42.1 63.1

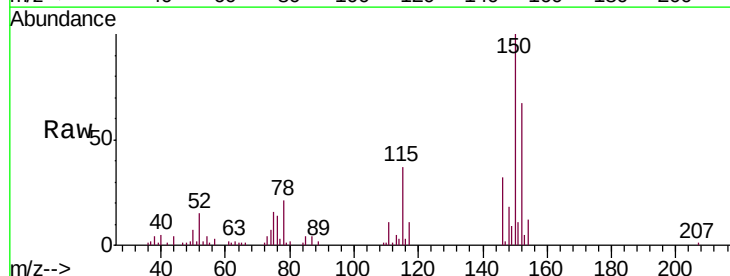


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

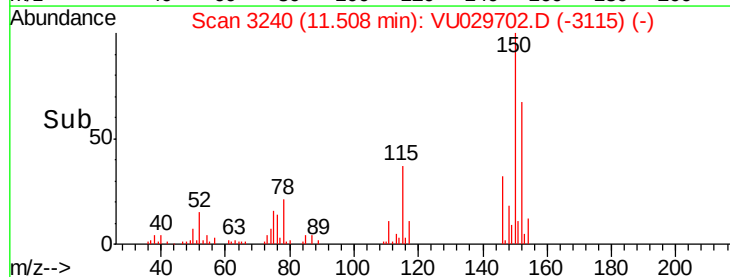
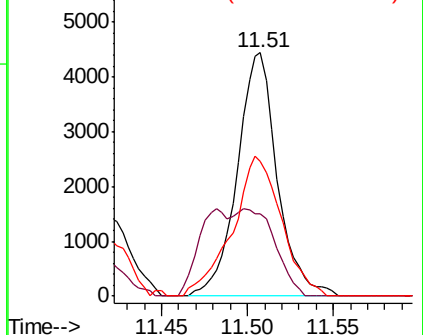


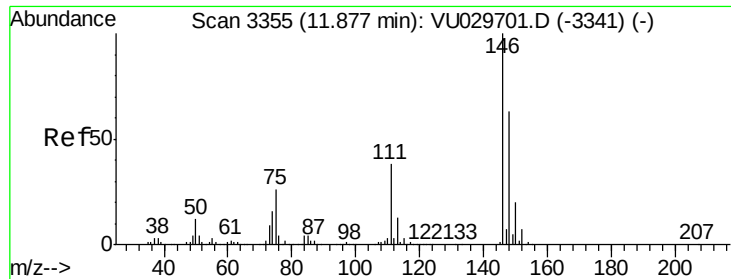
#63
1,4-Dichlorobenzene
Concen: 1.041 ug/L
RT: 11.51 min Scan# 3240
Delta R.T. 0.00 min
Lab File: VU029702.D
Acq: 27 Feb 2019 14:11

Tgt Ion:146 Resp: 7176
Ion Ratio Lower Upper
146 100
111 33.7 25.1 46.5
148 55.4 45.0 83.6



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





#65
 1,2-Dichlorobenzene
 Concen: 0.736 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029702.D
 Acq: 27 Feb 2019 14:11

Tgt Ion:	146	Resp:	5262
Ion	Ratio	Lower	Upper
146	100		
111	50.2	31.2	46.8#
148	67.7	51.6	77.4

