

Data File : VU029711.D
Acq On : 27 Feb 2019 18:03
Operator : JC/SP
Sample : K1623-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Feb 28 00:55:13 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	450518	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	436269	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	206523	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	150831	45.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.38%
7) Chloroethane-d5	1.68	69	130170	44.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.70%
11) 1,1-Dichloroethene-d2	2.27	63	213197	33.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.08%
21) 2-Butanone-d5	4.17	46	220762	109.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.89%
24) Chloroform-d	4.65	84	271961	50.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.58%
26) 1,2-Dichloroethane-d4	5.31	65	171928	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
32) Benzene-d6	5.34	84	596796	54.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.72%
36) 1,2-Dichloropropane-d6	6.33	67	181470	54.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.88%
41) Toluene-d8	7.56	98	558019	49.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.62%
43) trans-1,3-Dichloropropene-	7.85	79	84816	48.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.82%
47) 2-Hexanone-d5	8.31	63	183588	99.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	268523	48.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	226800	50.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.92%

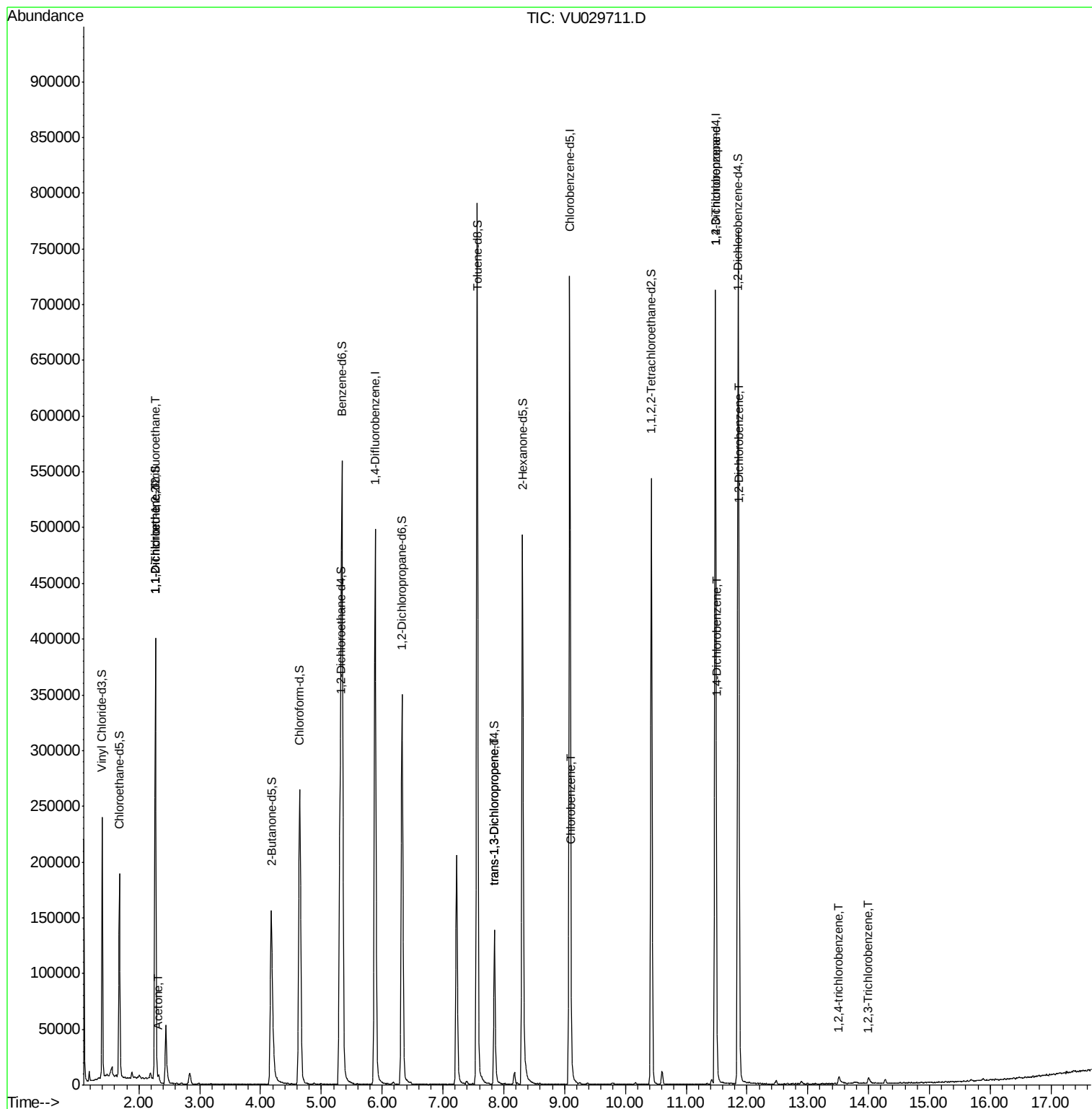
Target Compounds

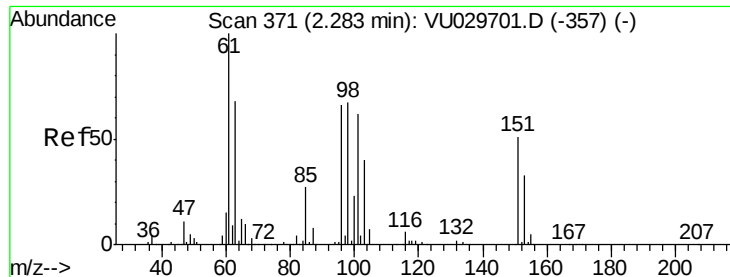
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2363	0.753	ug/L #	24
12) 1,1-Dichloroethene	2.27	96	2010	0.674	ug/L #	1
13) Acetone	2.32	43	5383	2.508	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3647	0.817	ug/L	85
51) Chlorobenzene	9.12	112	5516	0.608	ug/L #	83
59) 1,2,3-Trichloropropane	11.48	75	23227	5.548	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	7934	1.197	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	10563	1.537	ug/L	93
68) 1,2,4-trichlorobenzene	13.51	180	3697	0.851	ug/L #	59
70) 1,2,3-Trichlorobenzene	14.00	180	2309	0.500	ug/L #	61

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

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#10

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

Concen: 0.753 ug/L

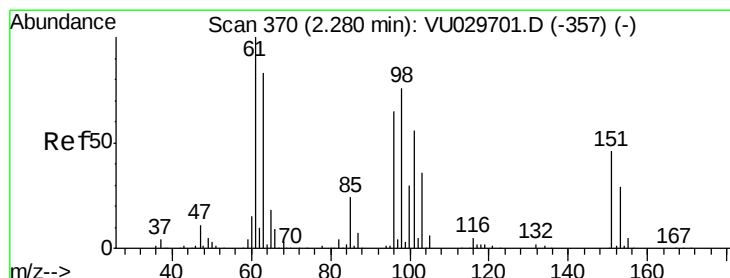
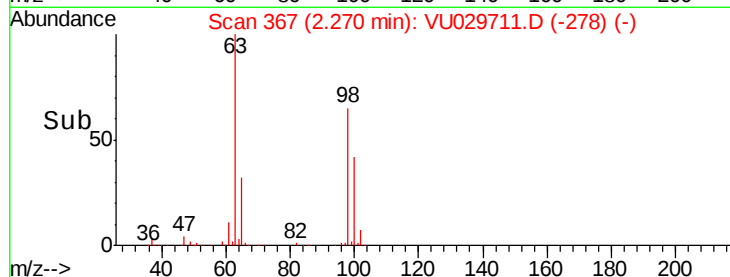
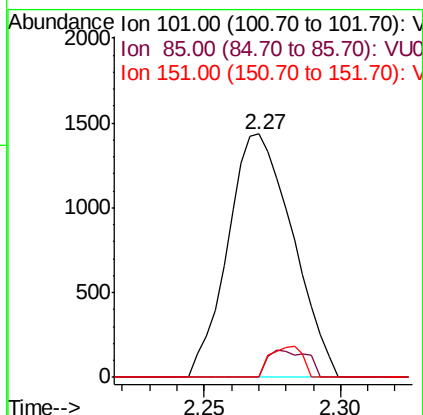
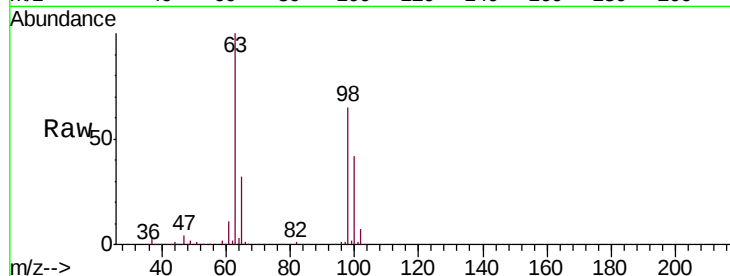
RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029711.D

Acq: 27 Feb 2019 18:03

Tgt Ion:	101	Resp:	2363
Ion	Ratio	Lower	Upper
101	100		
85	4.7	33.0	49.6#
151	6.3	65.7	98.5#



#12

1,1-Dichloroethene

Concen: 0.674 ug/L

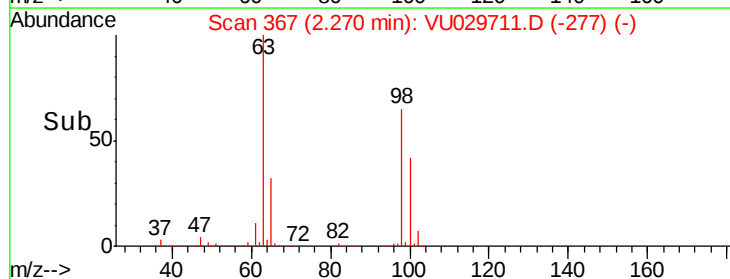
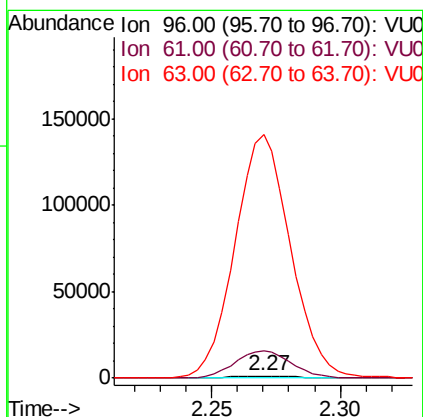
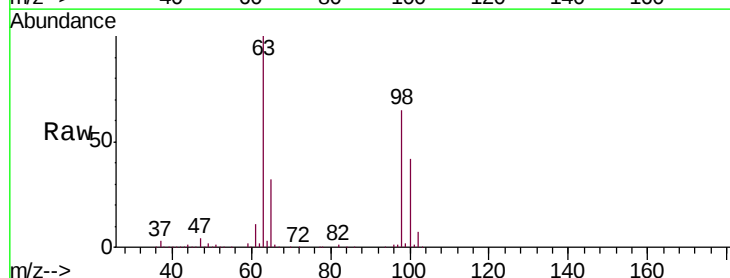
RT: 2.27 min Scan# 367

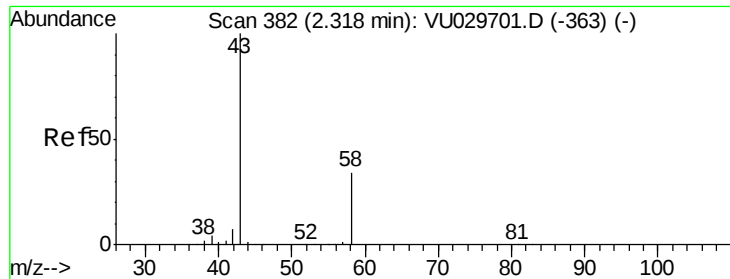
Delta R.T. -0.01 min

Lab File: VU029711.D

Acq: 27 Feb 2019 18:03

Tgt Ion:	96	Resp:	2010
Ion	Ratio	Lower	Upper
96	100		
61	1429.4	114.0	211.8#
63	12605.4	98.7	183.3#





#13

Acetone

Concen: 2.508 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU029711.D

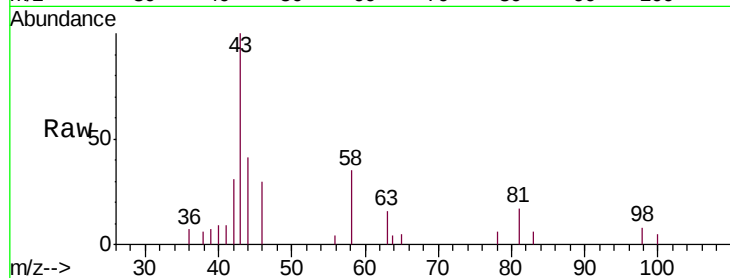
Acq: 27 Feb 2019 18:03

Tgt Ion: 43 Resp: 5383

Ion Ratio Lower Upper

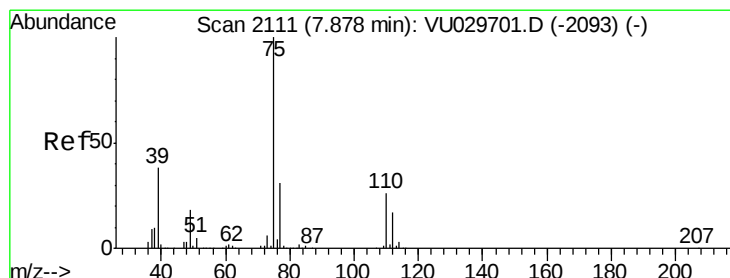
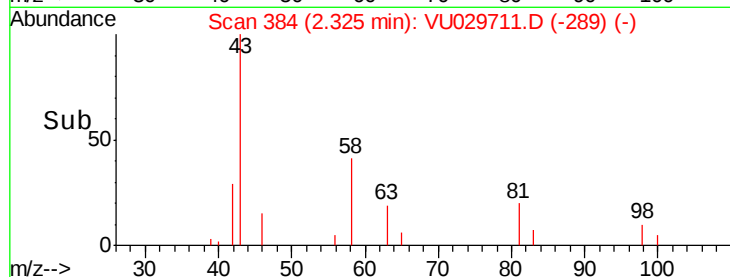
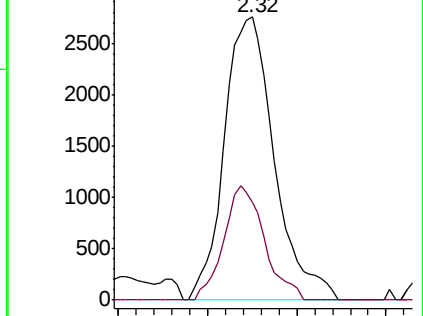
43 100

58 32.6 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU029711.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU029711.D (-289) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.817 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU029711.D

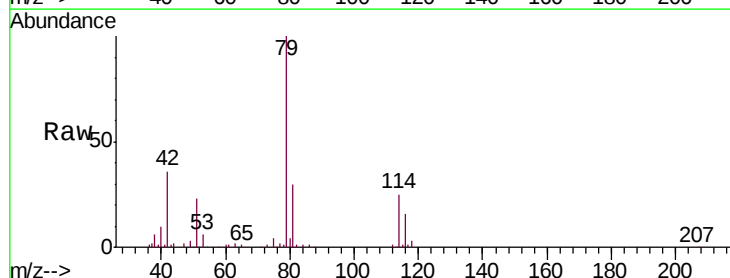
Acq: 27 Feb 2019 18:03

Tgt Ion: 75 Resp: 3647

Ion Ratio Lower Upper

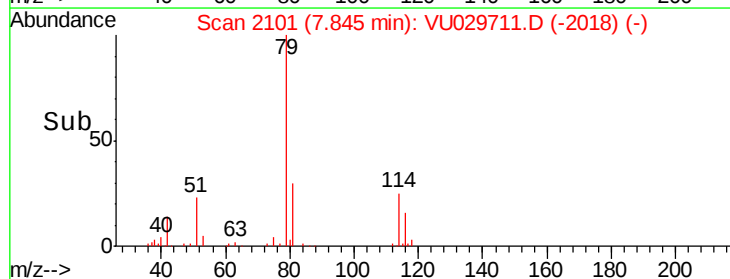
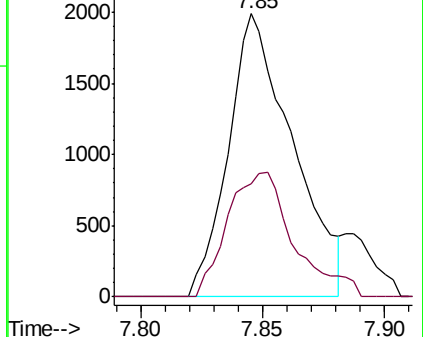
75 100

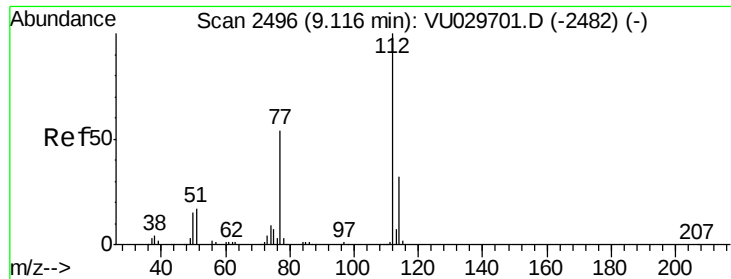
77 40.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU029711.D (-2018) (-)

Ion 77.00 (76.70 to 77.70): VU029711.D (-2018) (-)





#51

Chlorobenzene

Concen: 0.608 ug/L

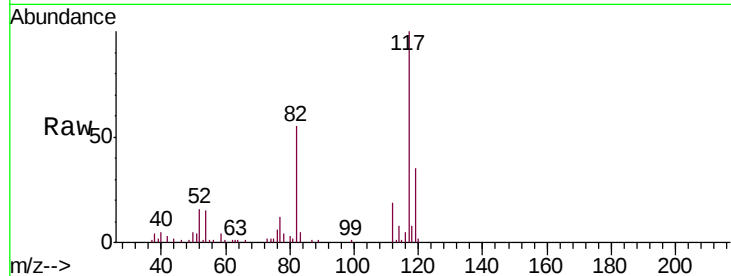
RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU029711.D

Acq: 27 Feb 2019 18:03

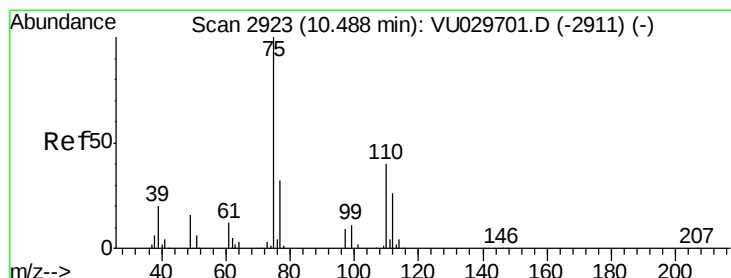
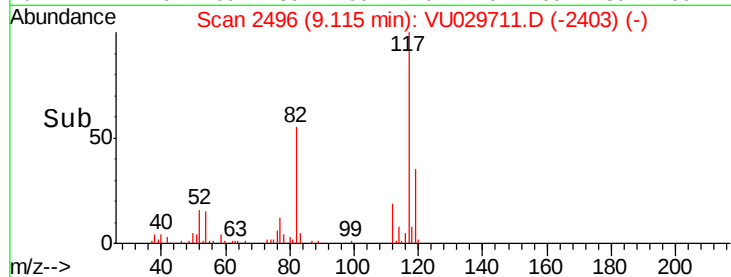
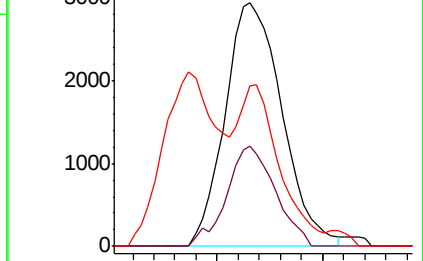
Tgt Ion:	112	Resp:	5516
Ion	Ratio	Lower	Upper
112	100		
114	41.0	22.7	42.1
77	65.7	42.1	63.1#



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): VU0



#59

1,2,3-Trichloropropane

Concen: 5.548 ug/L

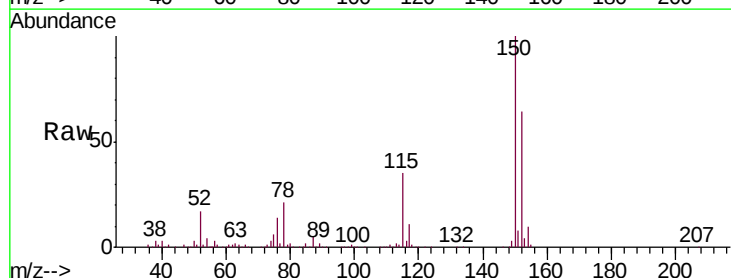
RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029711.D

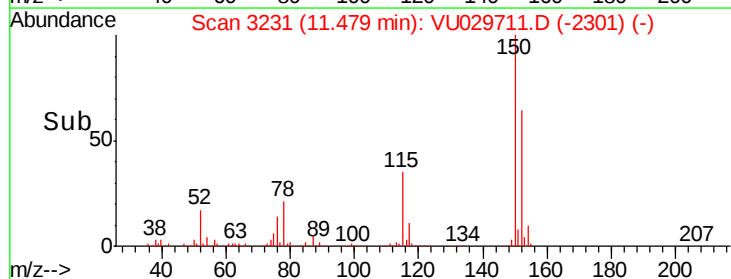
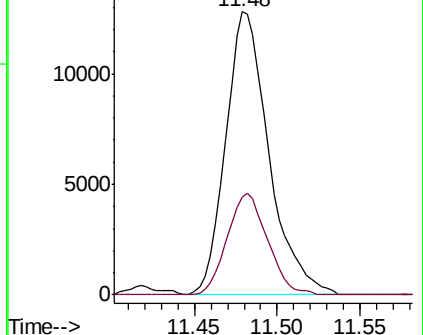
Acq: 27 Feb 2019 18:03

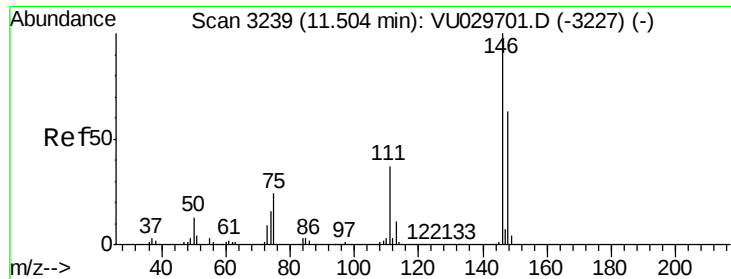
Tgt Ion:	75	Resp:	23227
Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.7	38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

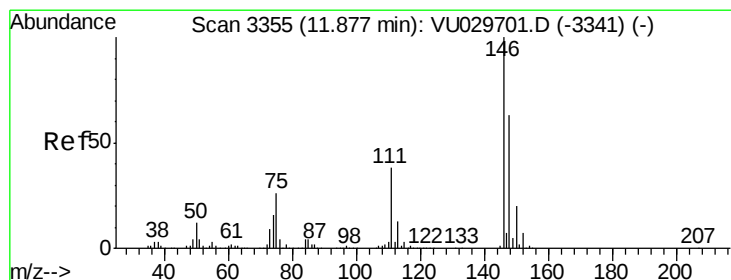
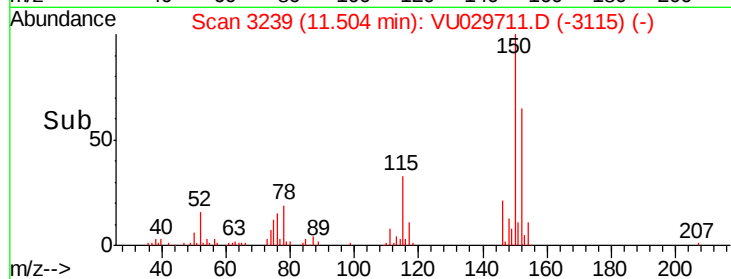
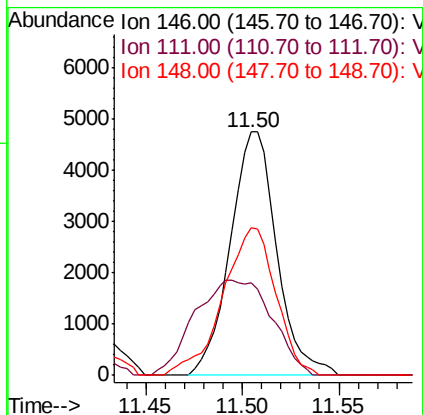
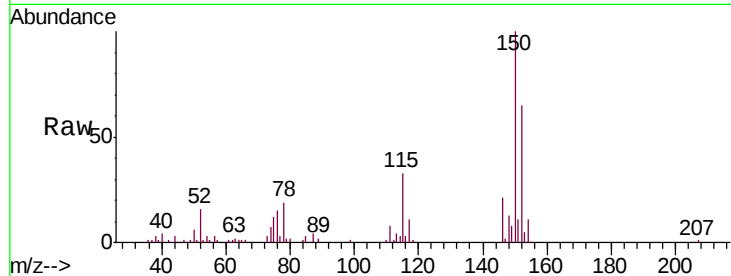
Ion 77.00 (76.70 to 77.70): VU0





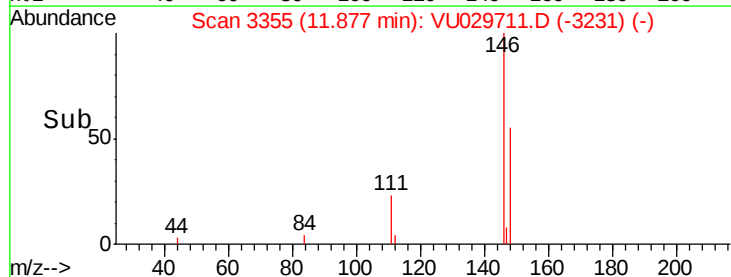
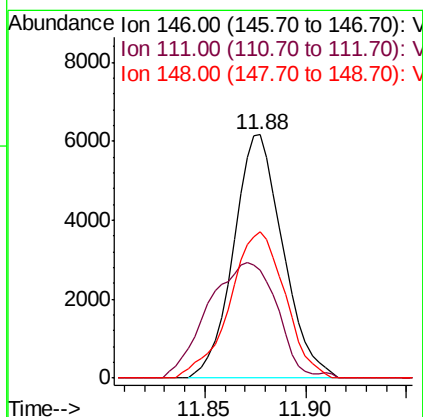
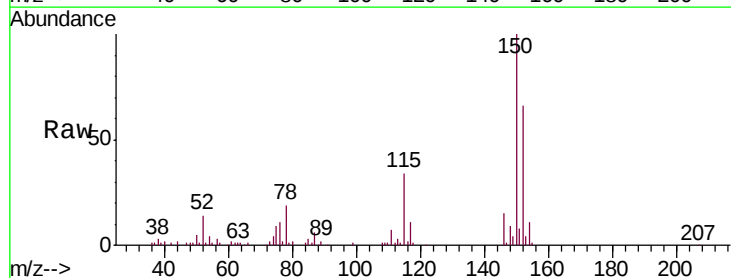
#63
 1,4-Dichlorobenzene
 Concen: 1.197 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029711.D
 Acq: 27 Feb 2019 18:03

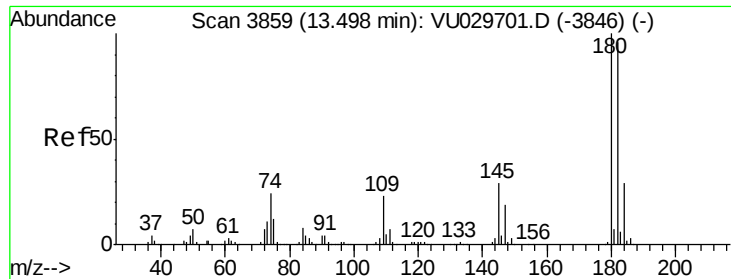
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	25.1	46.5
148	60.5	45.0	83.6



#65
 1,2-Dichlorobenzene
 Concen: 1.537 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029711.D
 Acq: 27 Feb 2019 18:03

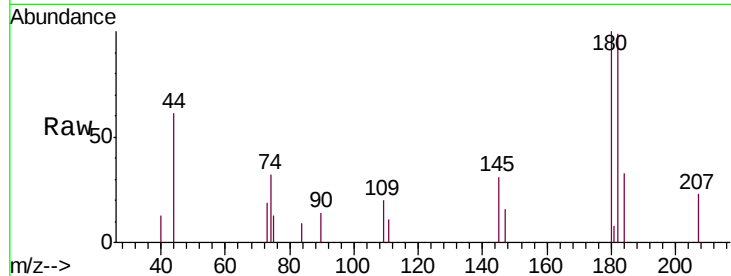
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	31.2	46.8
148	59.9	51.6	77.4



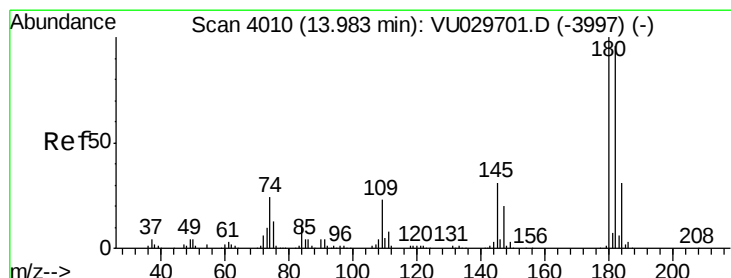
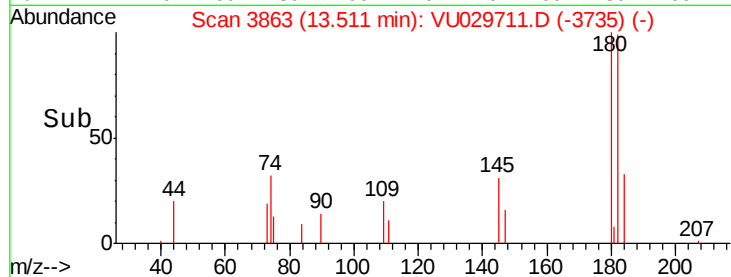
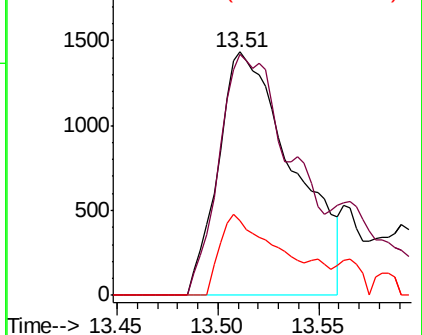


#68
 1,2,4-trichlorobenzene
 Concen: 0.851 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU029711.D
 Acq: 27 Feb 2019 18:03

Tgt Ion:180 Resp: 3697
 Ion Ratio Lower Upper
 180 100
 182 46.0 76.2 114.2#
 145 24.7 22.7 34.1

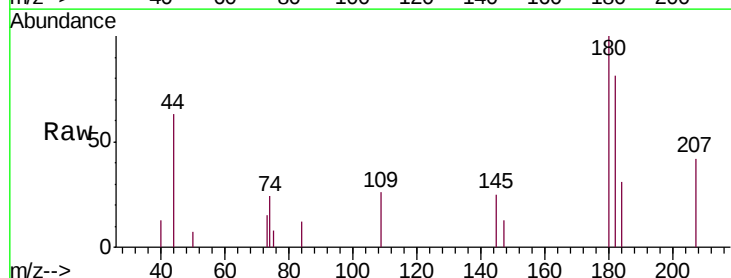


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 0.500 ug/L
 RT: 14.00 min Scan# 4014
 Delta R.T. 0.01 min
 Lab File: VU029711.D
 Acq: 27 Feb 2019 18:03

Tgt Ion:180 Resp: 2309
 Ion Ratio Lower Upper
 180 100
 182 142.7 76.8 115.2#
 145 24.8 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

