

Data File : VU029708.D
Acq On : 27 Feb 2019 16:30
Operator : JC/SP
Sample : K1623-05DL 500X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Feb 28 00:54:30 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	460861	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	443622	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	222779	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	157730	46.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.42%
7) Chloroethane-d5	1.68	69	132029	43.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.96%
11) 1,1-Dichloroethene-d2	2.27	63	221331	33.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.06%
21) 2-Butanone-d5	4.17	46	222956	108.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.49%
24) Chloroform-d	4.64	84	272882	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.64%
26) 1,2-Dichloroethane-d4	5.31	65	172018	49.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.20%
32) Benzene-d6	5.34	84	608419	54.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.00%
36) 1,2-Dichloropropane-d6	6.33	67	186793	55.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.24%
41) Toluene-d8	7.56	98	574049	50.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.78%
43) trans-1,3-Dichloropropene-	7.85	79	85788	48.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.32%
47) 2-Hexanone-d5	8.31	63	195596	104.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	274508	48.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	240498	50.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.18%

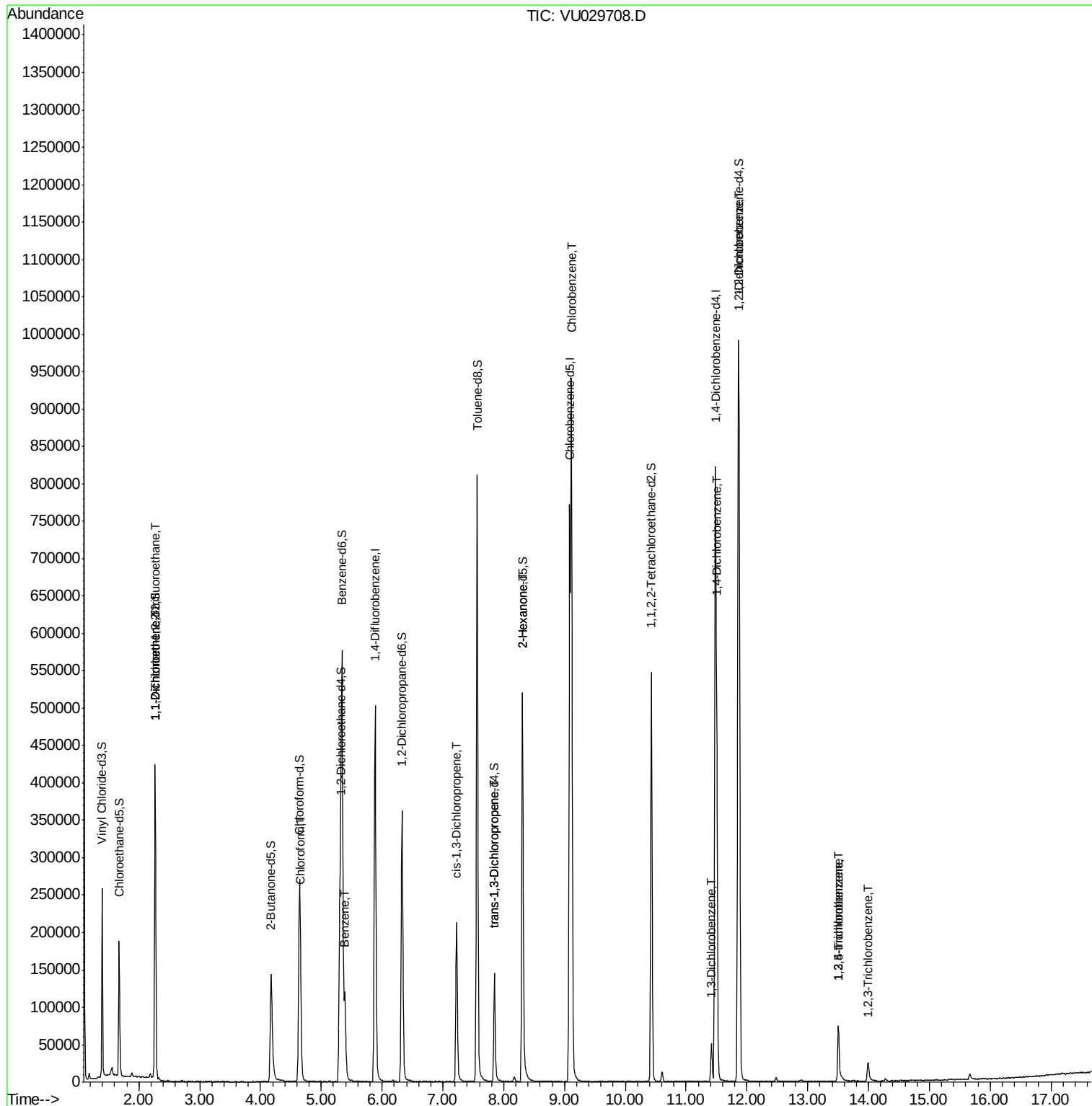
Target Compounds

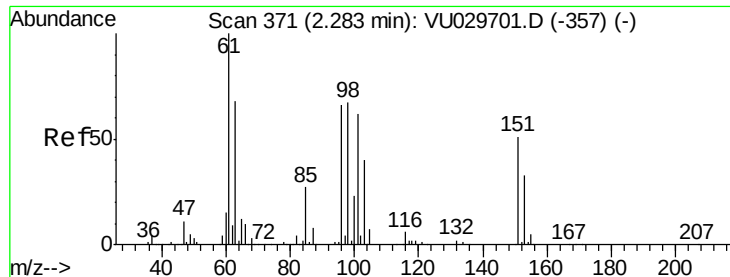
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2398	0.747	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	2155	0.706	ug/L #	1
25) Chloroform	4.67	83	10163	1.870	ug/L	85
33) Benzene	5.39	78	121383	10.672	ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	5451	1.132	ug/L #	70
44) trans-1,3-Dichloropropene	7.85	75	3749	0.826	ug/L	95
48) 2-Hexanone	8.31	43	19666	5.362	ug/L #	67
51) Chlorobenzene	9.12	112	523102	56.663	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	22424	3.157	ug/L	88
63) 1,4-Dichlorobenzene	11.50	146	192907	26.987	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	265189	35.766	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	31641	5.837	ug/L	92
68) 1,2,4-trichlorobenzene	13.50	180	31641	6.749	ug/L	92
70) 1,2,3-Trichlorobenzene	13.99	180	12097	2.430	ug/L #	87

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

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#10

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

Concen: 0.747 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029708.D

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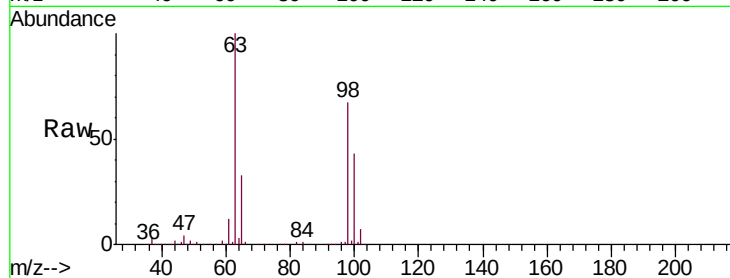
Tgt Ion: 101 Resp: 2398

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.6#

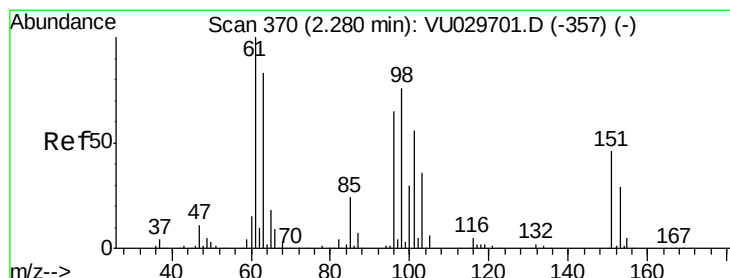
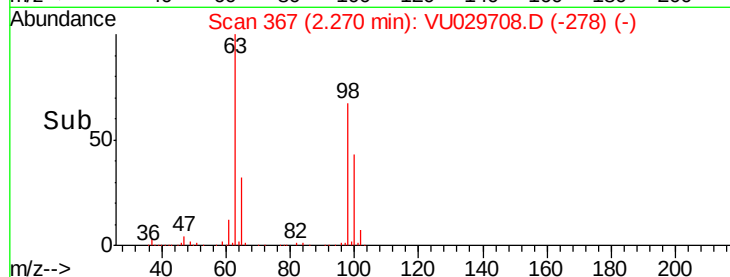
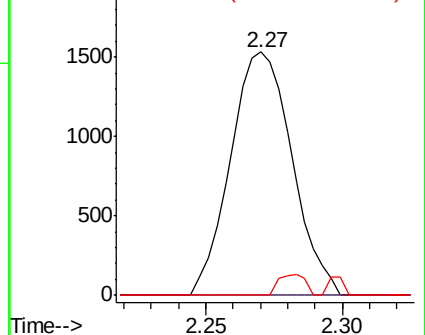
151 3.8 65.7 98.5#



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: 0.706 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU029708.D

Acq: 27 Feb 2019 16:30

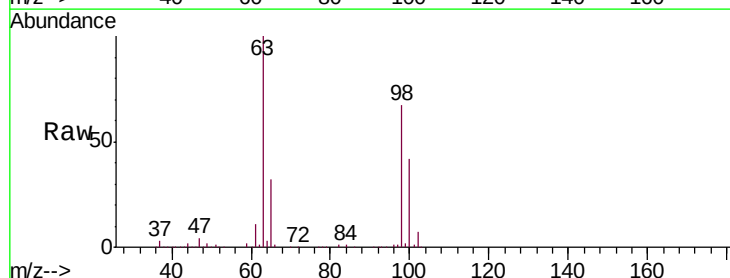
Tgt Ion: 96 Resp: 2155

Ion Ratio Lower Upper

96 100

61 1189.3 114.0 211.8#

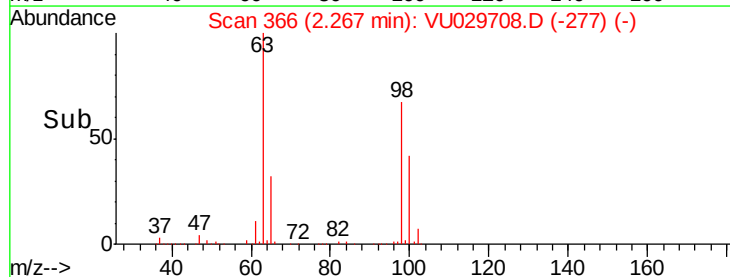
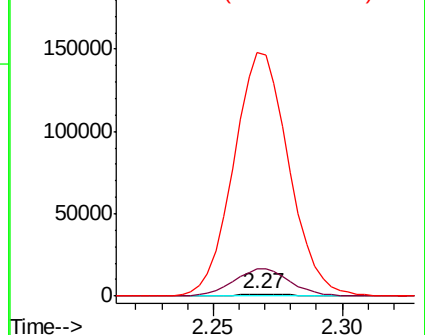
63 10725.5 98.7 183.3#

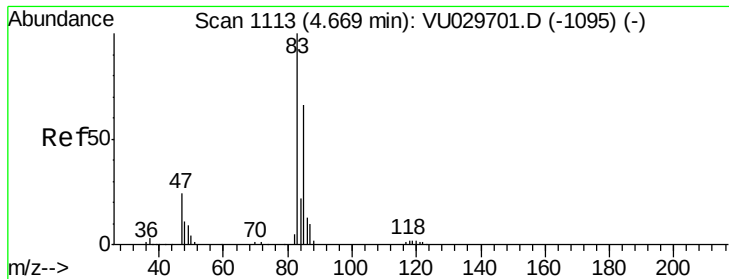


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

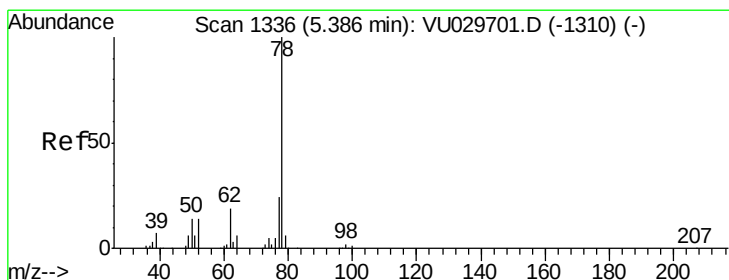
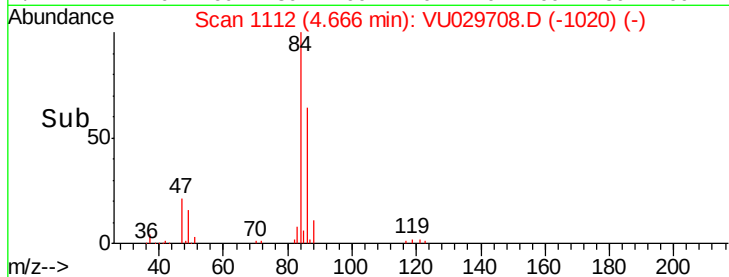
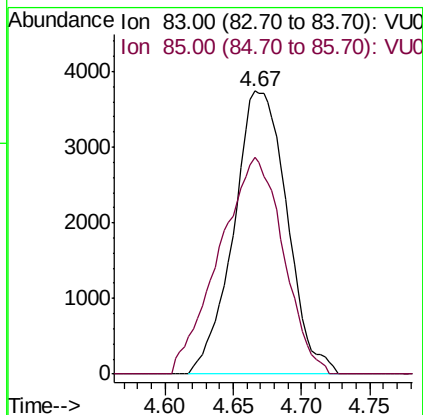
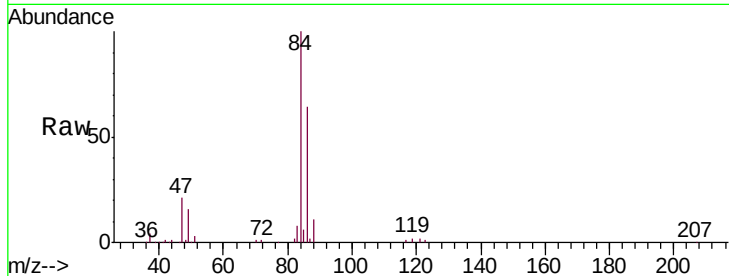
Ion 63.00 (62.70 to 63.70): VU0





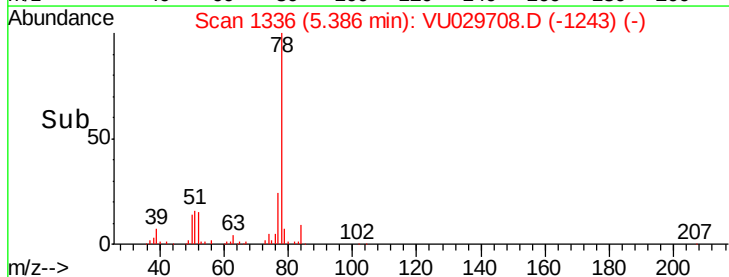
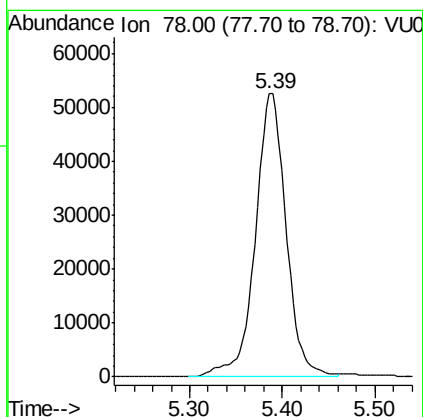
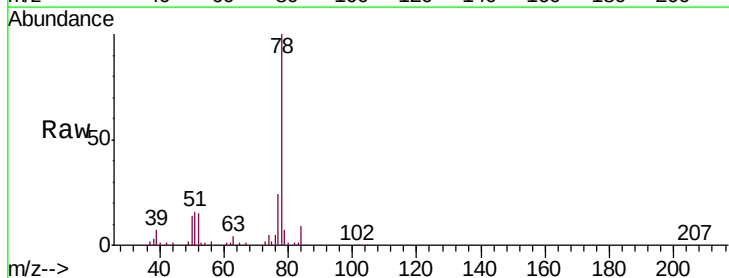
#25
Chloroform
Concen: 1.870 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU029708.D
Acq: 27 Feb 2019 16:30

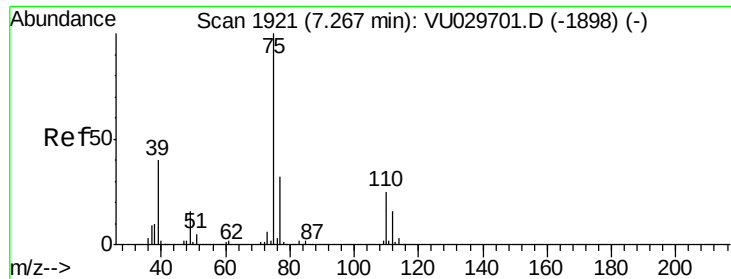
Tgt Ion: 83 Resp: 10163
Ion Ratio Lower Upper
83 100
85 76.8 45.4 84.2



#33
Benzene
Concen: 10.672 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029708.D
Acq: 27 Feb 2019 16:30

Tgt Ion: 78 Resp: 121383





#39

cis-1,3-Dichloropropene

Concen: 1.132 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029708.D

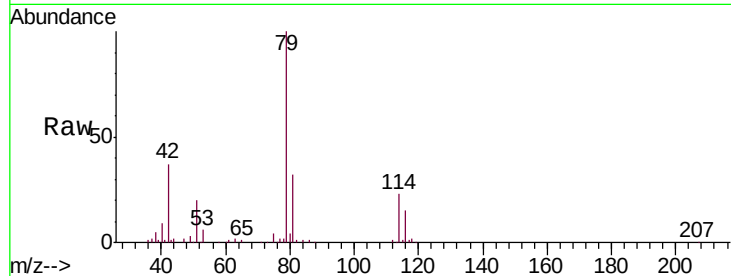
Acq: 27 Feb 2019 16:30

Tgt Ion: 75 Resp: 5451

Ion Ratio Lower Upper

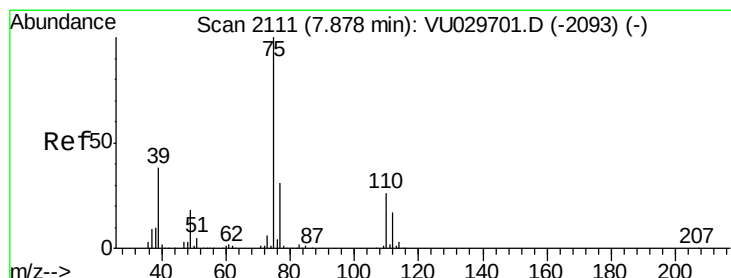
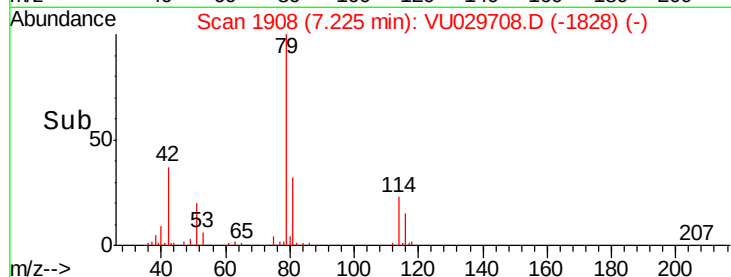
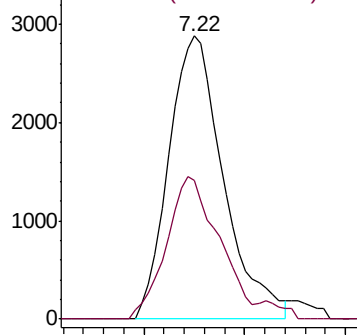
75 100

77 48.9 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.826 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU029708.D

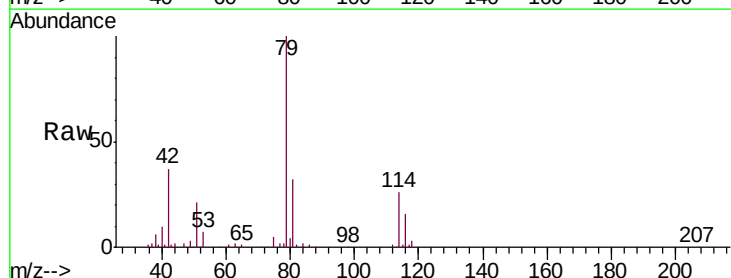
Acq: 27 Feb 2019 16:30

Tgt Ion: 75 Resp: 3749

Ion Ratio Lower Upper

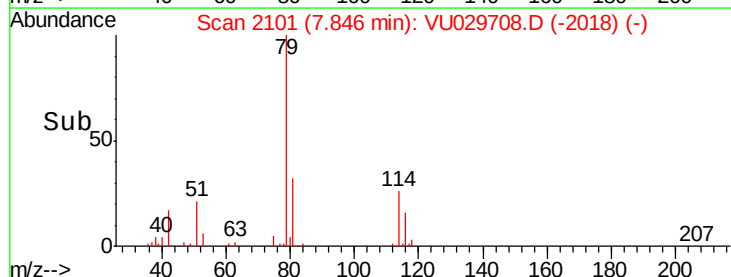
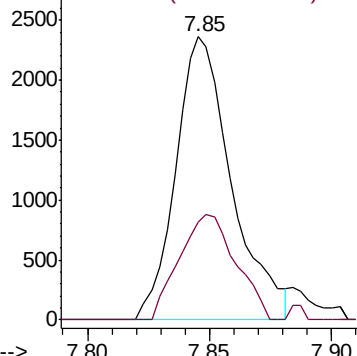
75 100

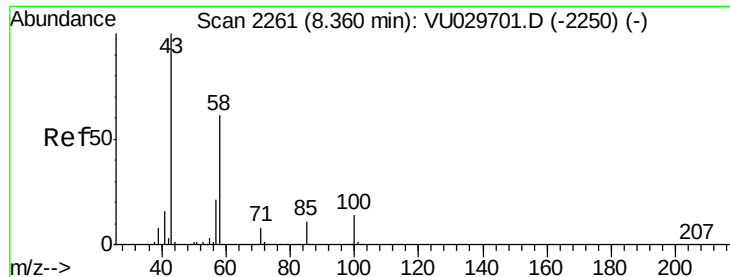
77 34.5 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

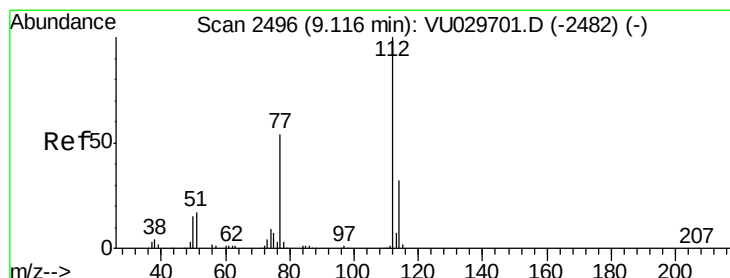
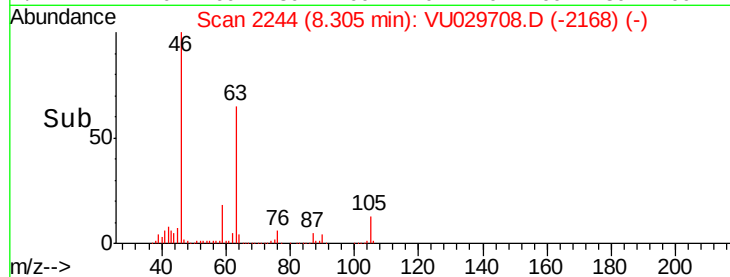
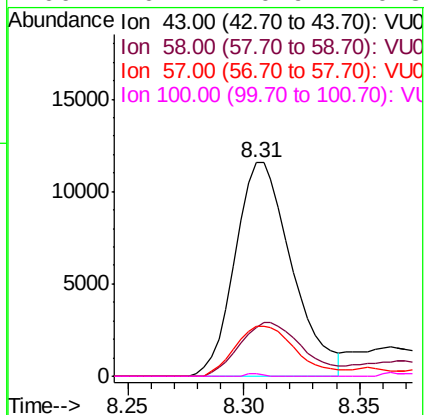
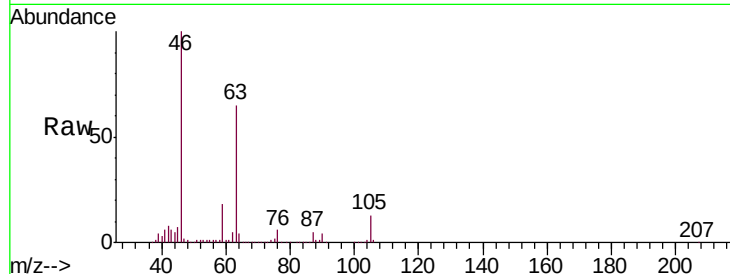
Ion 77.00 (76.70 to 77.70): VU0





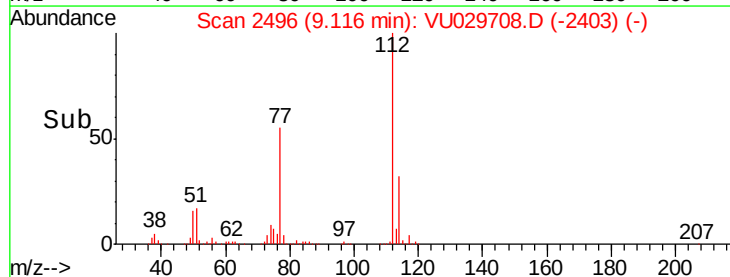
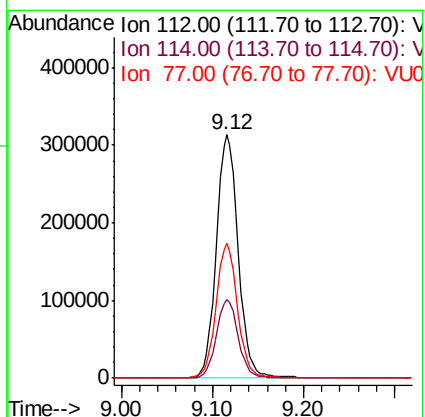
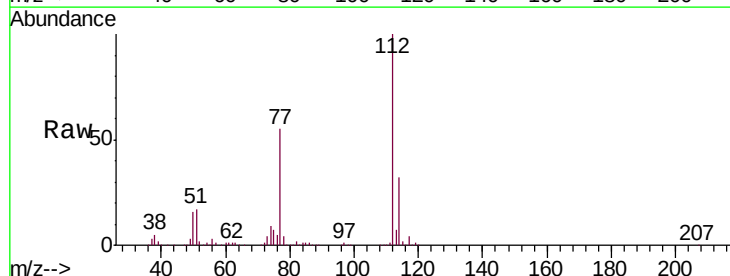
#48
2-Hexanone
Concen: 5.362 ug/L
RT: 8.31 min Scan# 2244
Delta R.T. -0.05 min
Lab File: VU029708.D
Acq: 27 Feb 2019 16:30

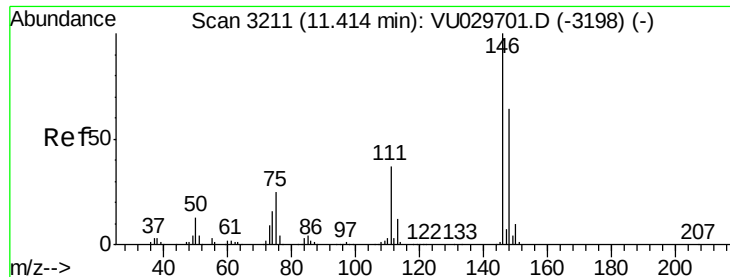
Tgt Ion:	43	Resp:	19666
Ion	Ratio	Lower	Upper
43	100		
58	27.9	46.4	69.6#
57	25.3	15.7	23.5#
100	0.4	10.9	16.3#



#51
Chlorobenzene
Concen: 56.663 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029708.D
Acq: 27 Feb 2019 16:30

Tgt Ion:	112	Resp:	523102
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.1
77	55.2	42.1	63.1





#62

1,3-Dichlorobenzene

Concen: 3.157 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029708.D

Acq: 27 Feb 2019 16:30

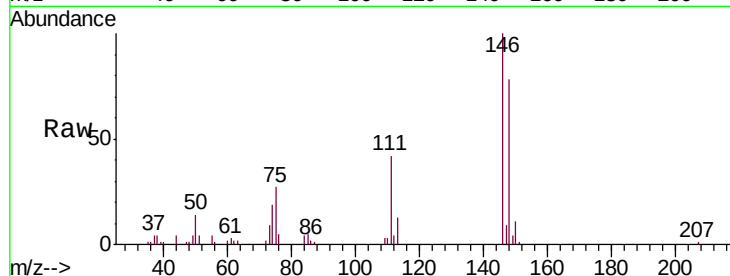
Tgt Ion:146 Resp: 22424

Ion Ratio Lower Upper

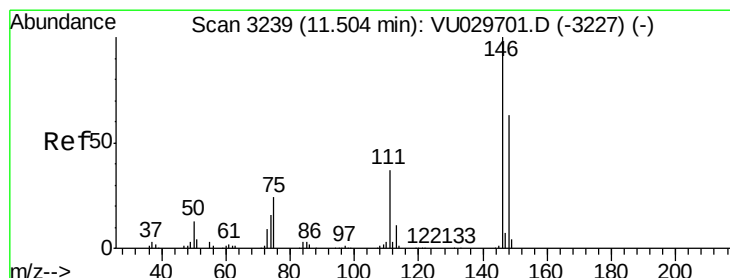
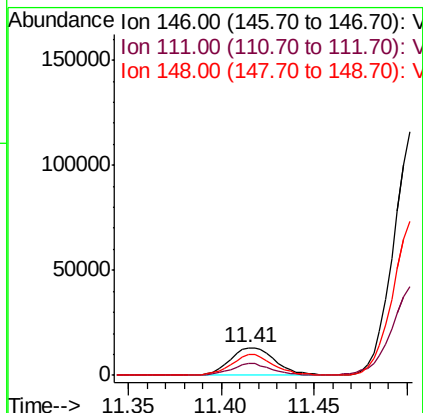
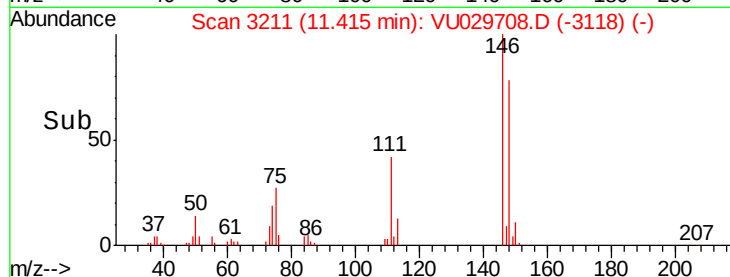
146 100

111 42.0 26.7 49.5

148 77.6 45.9 85.3



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



#63

1,4-Dichlorobenzene

Concen: 26.987 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029708.D

Acq: 27 Feb 2019 16:30

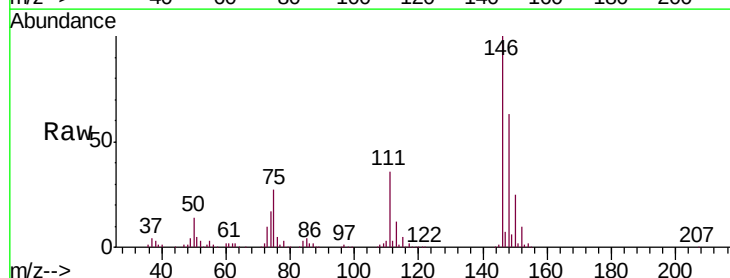
Tgt Ion:146 Resp: 192907

Ion Ratio Lower Upper

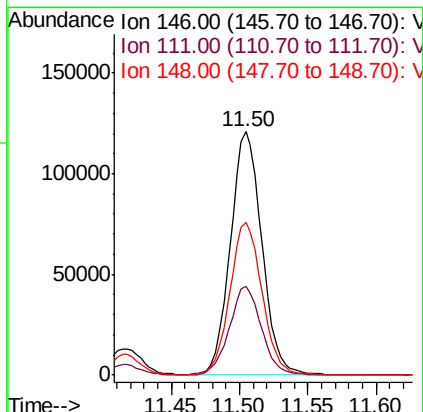
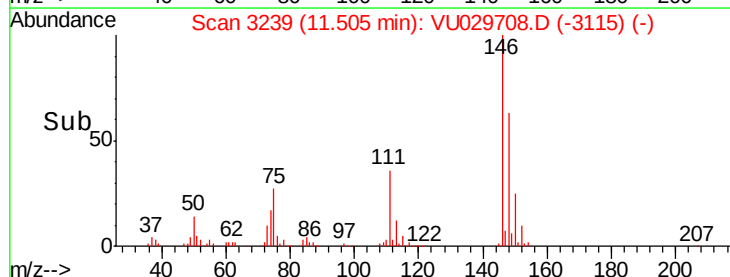
146 100

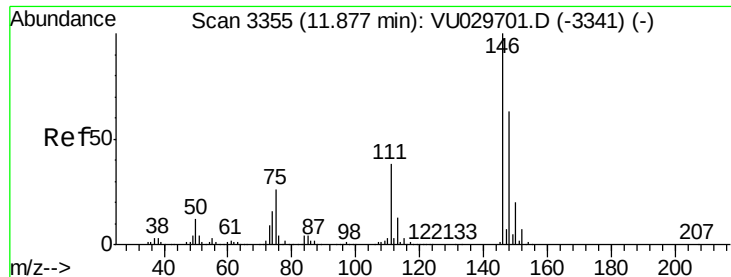
111 36.2 25.1 46.5

148 62.5 45.0 83.6



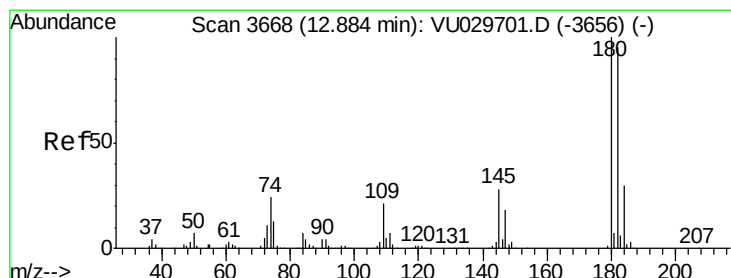
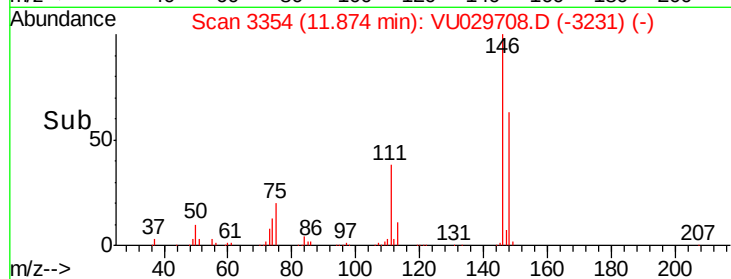
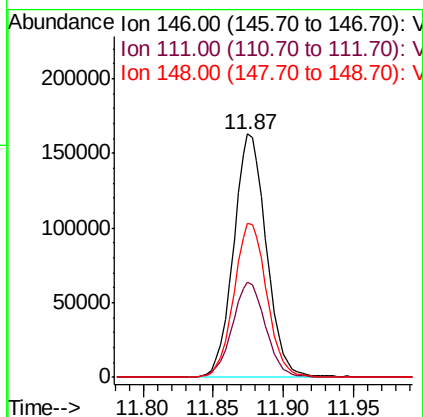
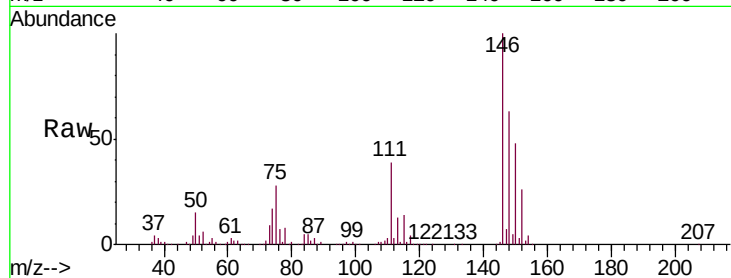
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





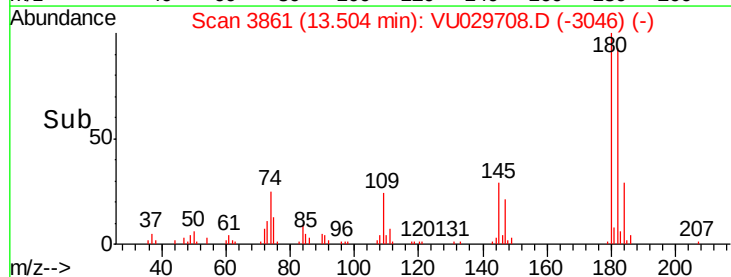
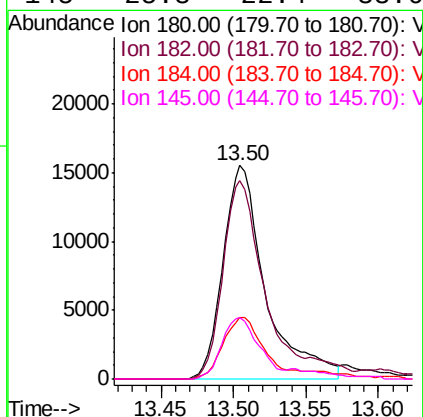
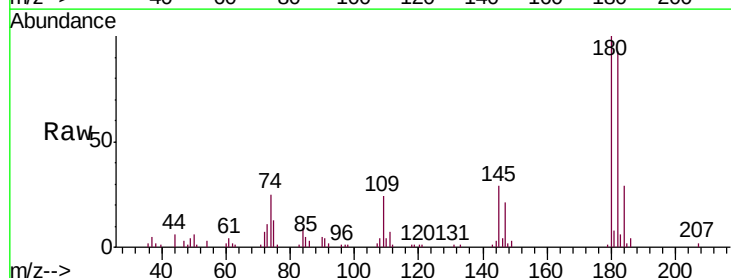
#65
 1,2-Dichlorobenzene
 Concen: 35.766 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029708.D
 Acq: 27 Feb 2019 16:30

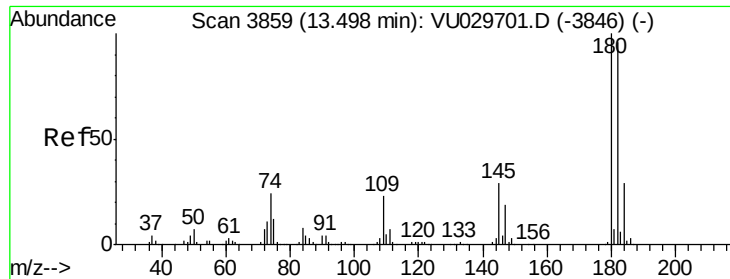
Tgt Ion:146 Resp: 265189
 Ion Ratio Lower Upper
 146 100
 111 39.1 31.2 46.8
 148 63.2 51.6 77.4



#67
 1,3,5-Trichlorobenzene
 Concen: 5.837 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.62 min
 Lab File: VU029708.D
 Acq: 27 Feb 2019 16:30

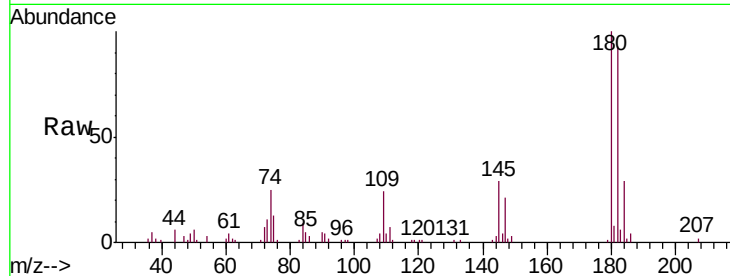
Tgt Ion:180 Resp: 31641
 Ion Ratio Lower Upper
 180 100
 182 87.3 77.9 116.9
 184 29.1 24.5 36.7
 145 25.3 22.4 33.6



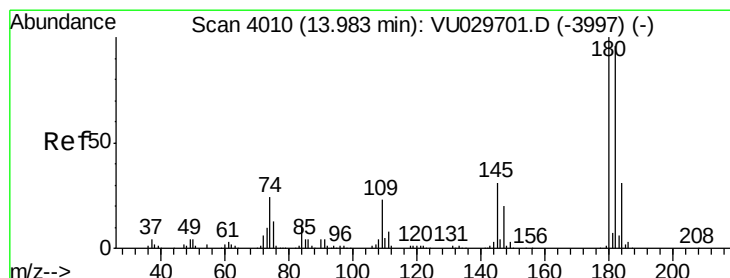
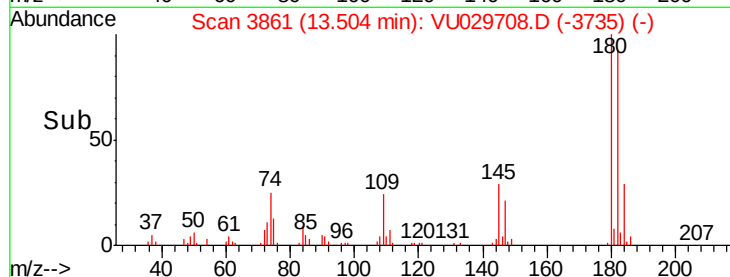
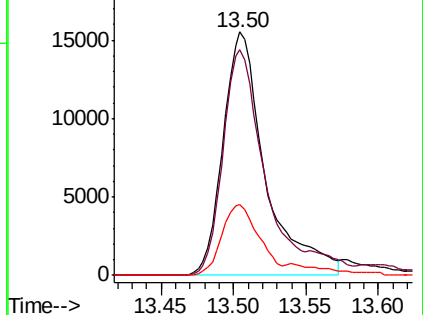


#68
 1,2,4-trichlorobenzene
 Concen: 6.749 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU029708.D
 Acq: 27 Feb 2019 16:30

Tgt Ion:180 Resp: 31641
 Ion Ratio Lower Upper
 180 100
 182 87.3 76.2 114.2
 145 25.3 22.7 34.1

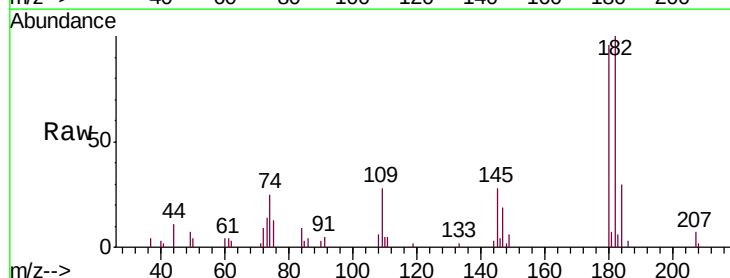


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 2.430 ug/L
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU029708.D
 Acq: 27 Feb 2019 16:30

Tgt Ion:180 Resp: 12097
 Ion Ratio Lower Upper
 180 100
 182 101.6 76.8 115.2
 145 10.5 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

