

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022719\
 Data File : VU029710.D
 Acq On : 27 Feb 2019 17:40
 Operator : JC/SP
 Sample : K1623-01DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Feb 28 02:49:10 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	5.90	114	2306	50.00	ug/L	0.02
28) Chlorobenzene-d5	9.10	117	3280	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	5073	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	548	32.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.86%
7) Chloroethane-d5	1.68	69	174	11.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	23.16%#
11) 1,1-Dichloroethene-d2	2.27	63	1305	39.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.02%
21) 2-Butanone-d5	0.00	46	0	0.00	ug/L	
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.00%#
24) Chloroform-d	4.67	84	23	0.84	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	1.68%#
26) 1,2-Dichloroethane-d4	5.32	65	1050	60.51	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.02%
32) Benzene-d6	5.34	84	1036	12.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	25.10%#
36) 1,2-Dichloropropane-d6	6.33	67	73	2.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	5.88%#
41) Toluene-d8	7.57	98	2761	32.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	65.56%#
43) trans-1,3-Dichloropropene-	7.86	79	126	9.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	19.14%#
47) 2-Hexanone-d5	8.34	63	165	11.93	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	11.93%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	1348	32.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	64.26%#
64) 1,2-Dichlorobenzene-d4	11.48	152	4425	40.48	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.96%

Target Compounds

					Ovalue
6) Bromomethane	1.63	94	523	60.833	ug/L 89
8) Chloroethane	1.74	64	223	17.798	ug/L # 66
9) Trichlorofluoromethane	1.89	101	297	9.890	ug/L # 59
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	233	14.506	ug/L # 78
12) 1,1-Dichloroethene	2.28	96	437	28.617	ug/L # 75
13) Acetone	2.32	43	7161	651.698	ug/L 97
14) Carbon disulfide	2.48	76	4329	108.242	ug/L # 93
15) Methyl Acetate	2.60	43	44	3.085	ug/L # 48
16) Methylene chloride	2.70	84	2472	167.291	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	272	19.298	ug/L 91
18) Methyl tert-butyl Ether	2.98	73	47	1.077	ug/L # 1
20) cis-1,2-Dichloroethene	4.25	96	64	3.908	ug/L 77
22) 2-Butanone	4.26	43	68	5.423	ug/L # 44
25) Chloroform	4.67	83	172	6.325	ug/L 92
27) 1,2-Dichloroethane	5.41	62	50	2.392	ug/L # 73
29) Cyclohexane	5.01	56	254	7.825	ug/L # 34
33) Benzene	5.40	78	3965	47.149	ug/L 100

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 QLast Update : Thu Feb 28 00:50:18 2019
 Response via : Initial Calibration

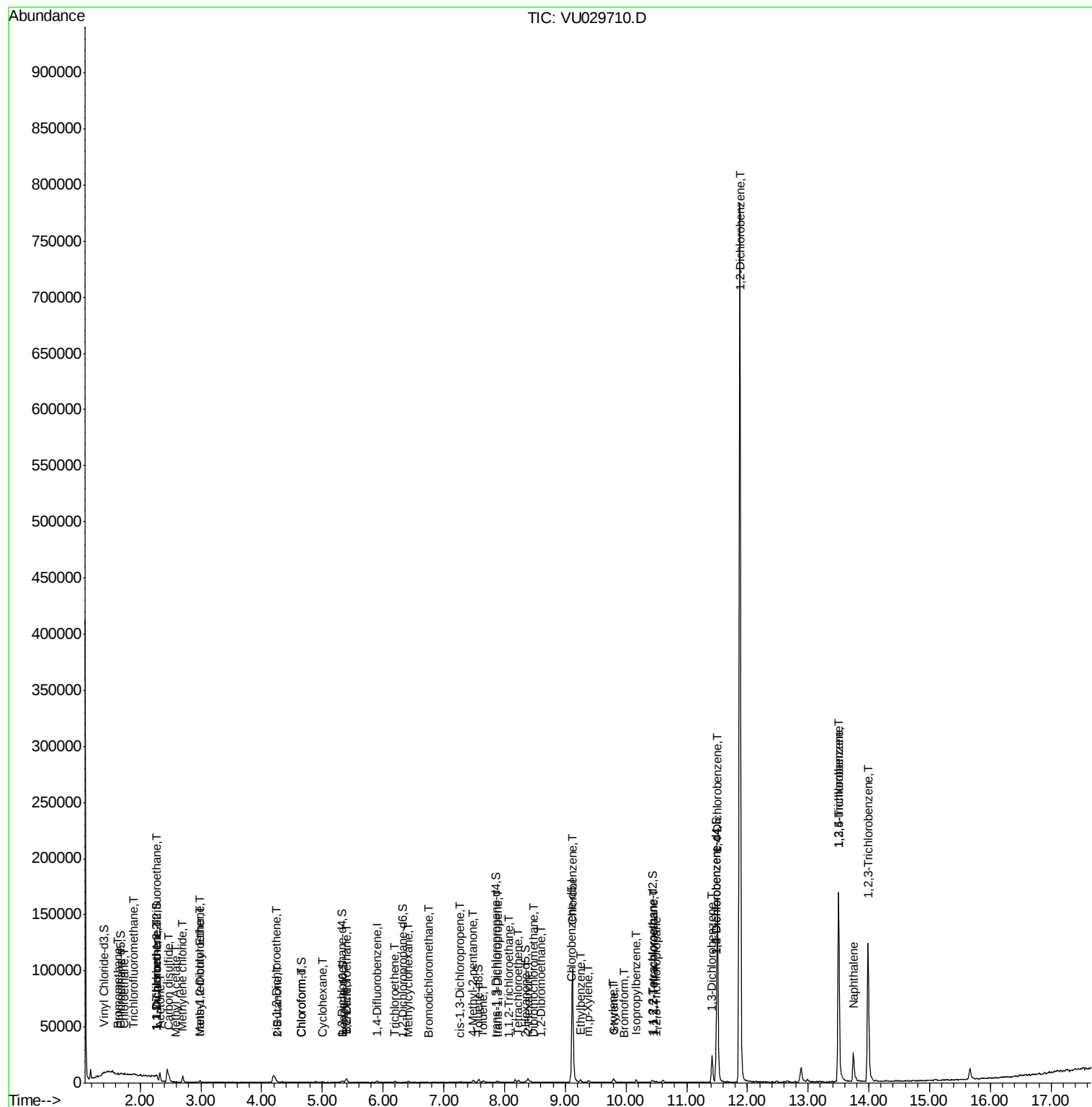
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

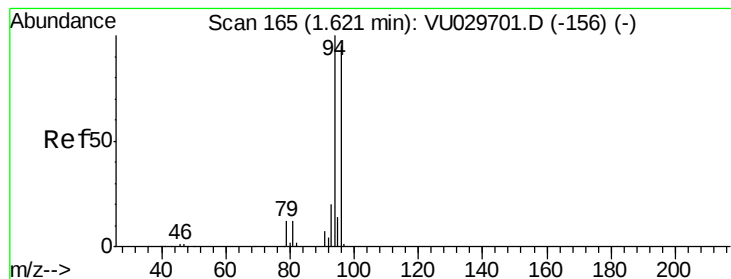
34) Trichloroethene	6.19	95	537	23.704	ug/L #	79
35) Methylcyclohexane	6.41	83	412	10.951	ug/L #	90
38) Bromodichloromethane	6.75	83	43	1.445	ug/L #	26
39) cis-1,3-Dichloropropene	7.27	75	123	3.454	ug/L #	43
40) 4-Methyl-2-pentanone	7.48	43	592	19.071	ug/L #	42
42) Toluene	7.64	91	1313	13.203	ug/L	83
44) trans-1,3-Dichloropropene	7.89	75	324	9.653	ug/L #	43
45) 1,1,2-Trichloroethane	8.08	97	87	3.698	ug/L #	16
46) Tetrachloroethene	8.23	164	520	23.452	ug/L	88
48) 2-Hexanone	8.38	43	2170	80.021	ug/L #	93
49) Dibromochloromethane	8.49	129	42	1.472	ug/L #	59
50) 1,2-Dibromoethane	8.60	107	292	11.201	ug/L #	66
51) Chlorobenzene	9.12	112	62027	908.724	ug/L	99
52) Ethylbenzene	9.25	91	2216	19.620	ug/L	97
53) m,p-Xylene	9.39	106	629	13.873	ug/L	64
54) o-xylene	9.77	106	171	3.755	ug/L	73
55) Styrene	9.80	104	1712	22.268	ug/L #	69
56) Isopropylbenzene	10.17	105	1915	16.069	ug/L #	87
58) 1,1,2,2-Tetrachloroethane	10.46	83	531	12.762	ug/L #	89
59) 1,2,3-Trichloropropane	10.50	75	665	21.128	ug/L #	70
61) Bromoform	9.96	173	84	1.230	ug/L #	36
62) 1,3-Dichlorobenzene	11.42	146	10884	67.290	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	76127	467.686	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	355655	2106.458	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	61050	494.612	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	61050	571.864	ug/L	97
69) Naphthalene	13.75	128	29155	88.850	ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	48651	429.142	ug/L	98

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

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#6

Bromomethane

Concen: 60.833 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU029710.D

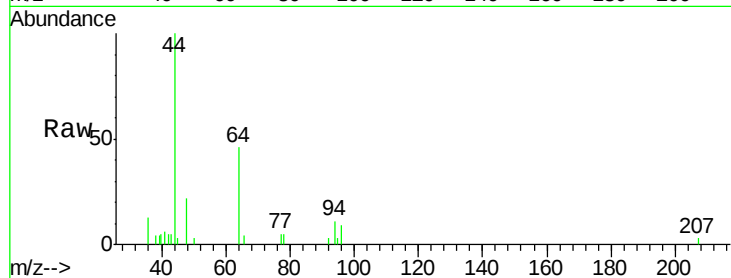
Acq: 27 Feb 2019 17:40

Tot Ion: 94 Resp: 523

Ion Ratio Lower Upper

94 100

96 84.5 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

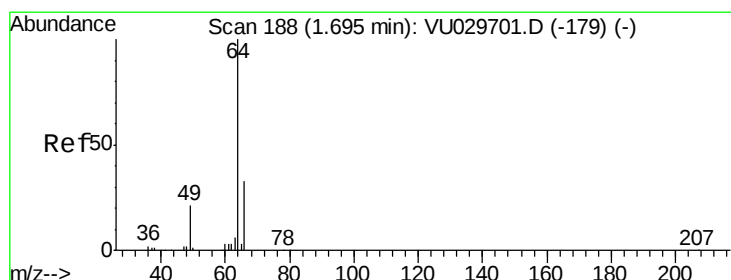
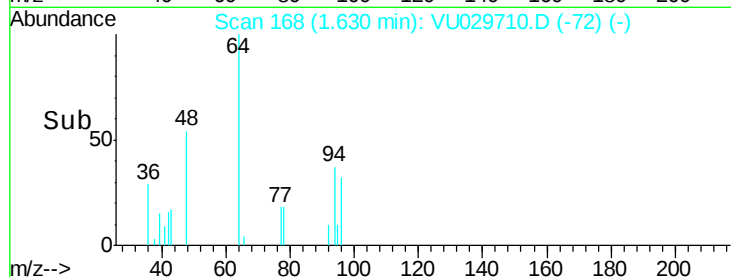
300

200

100

0

Time-->



#8

Chloroethane

Concen: 17.798 ug/L

RT: 1.74 min Scan# 202

Delta R.T. 0.04 min

Lab File: VU029710.D

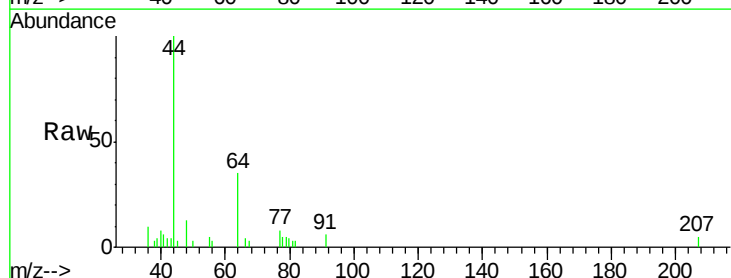
Acq: 27 Feb 2019 17:40

Tgt Ion: 64 Resp: 223

Ion Ratio Lower Upper

64 100

66 12.4 22.0 41.0#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

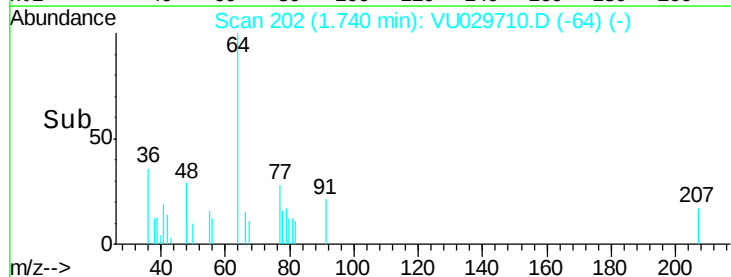
1.74

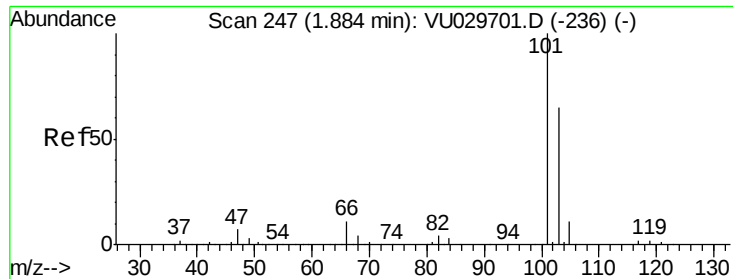
1000

500

0

Time-->





#9

Trichlorofluoromethane

Concen: 9.890 ug/L

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU029710.D

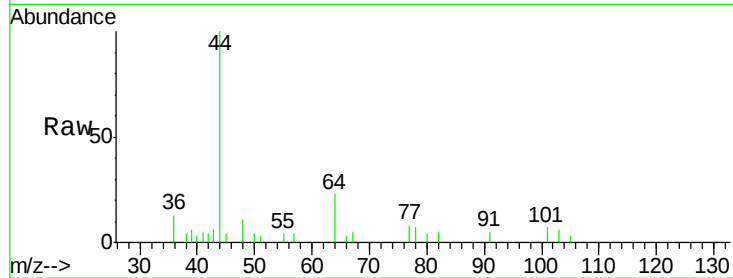
Acq: 27 Feb 2019 17:40

Tot Ion:101 Resp: 297

Ion Ratio Lower Upper

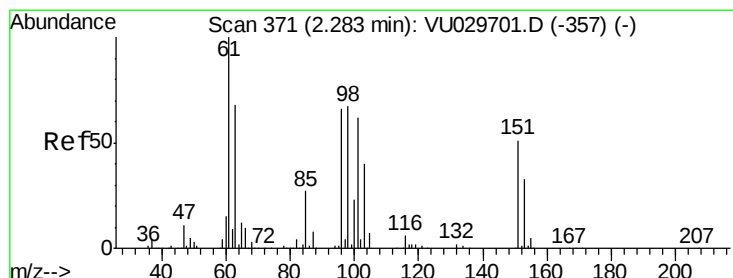
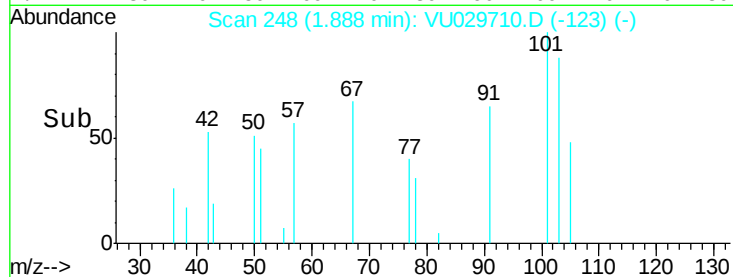
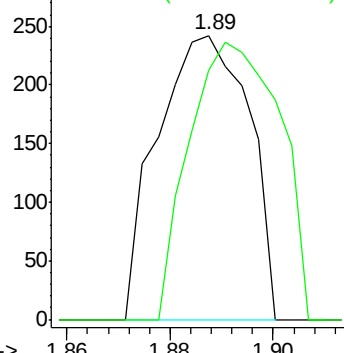
101 100

103 96.6 51.4 77.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 14.506 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

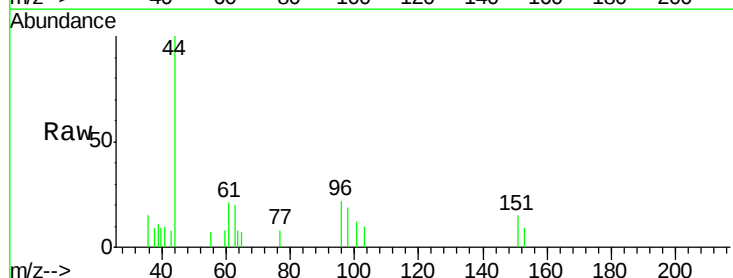
Tgt Ion:101 Resp: 233

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.6#

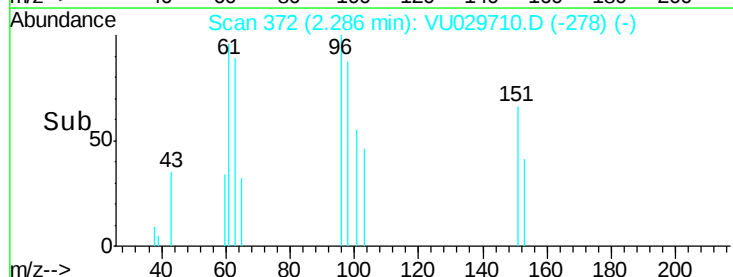
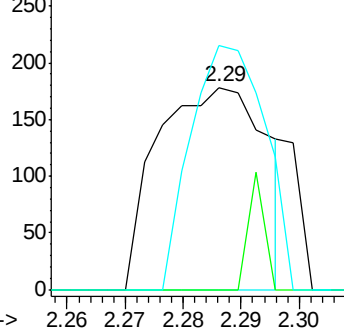
151 82.4 65.7 98.5

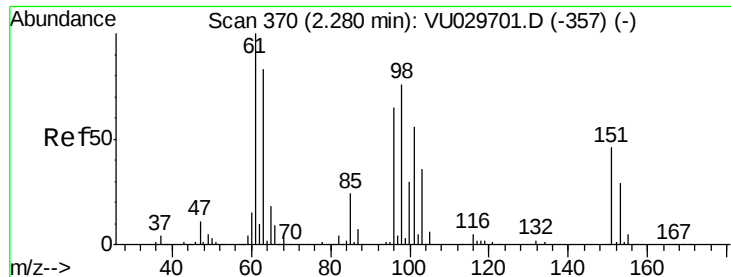


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 28.617 ug/L

RT: 2.28 min Scan# 371

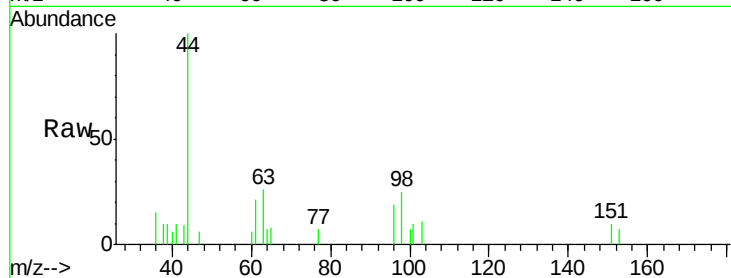
Delta R.T. 0.00 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

Tot Ion: 96 Resp: 437

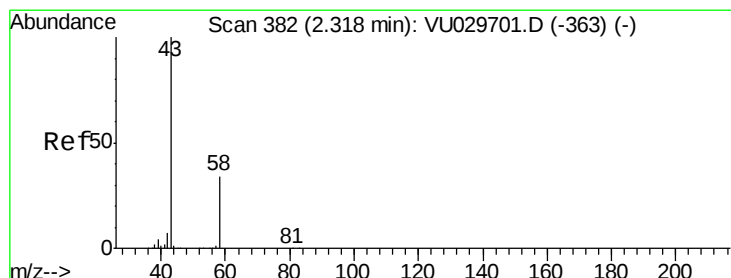
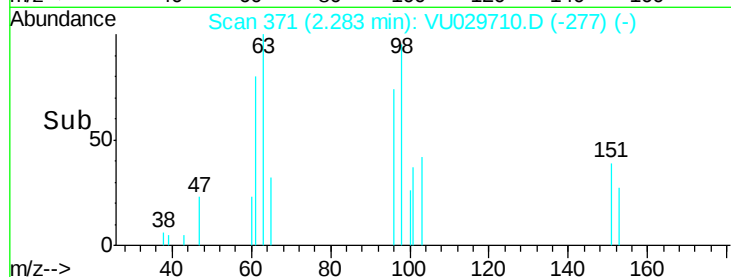
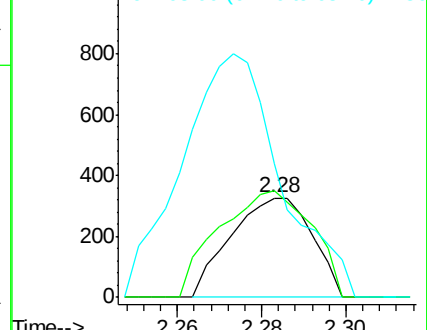
Ion	Ratio	Lower	Upper
96	100		
61	107.7	114.0	211.8#
63	134.8	98.7	183.3



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: 651.698 ug/L

RT: 2.32 min Scan# 384

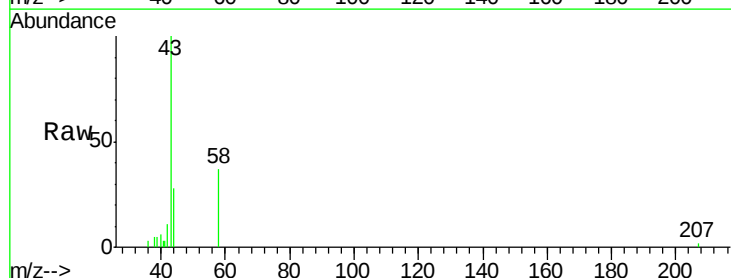
Delta R.T. 0.01 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

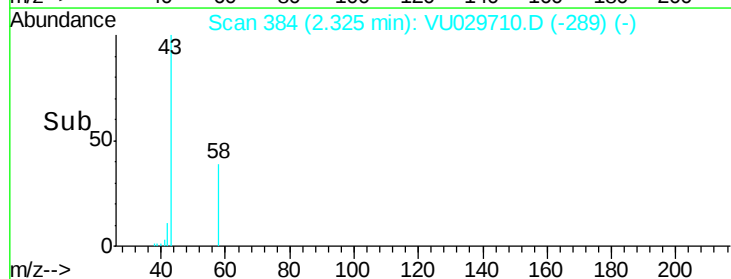
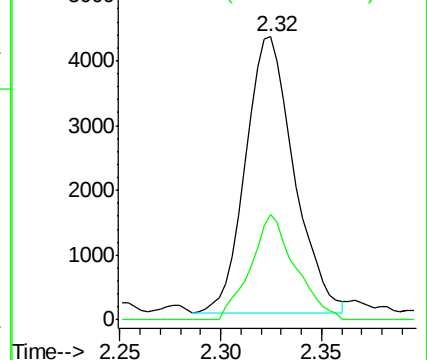
Tgt Ion: 43 Resp: 7161

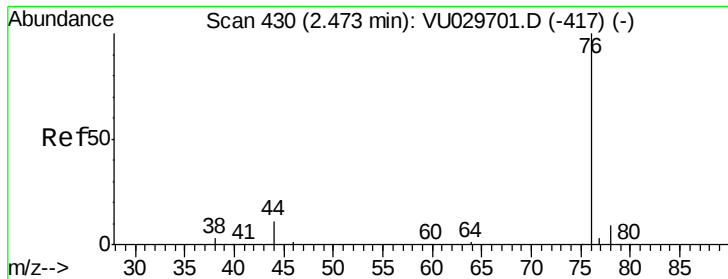
Ion	Ratio	Lower	Upper
43	100		
58	35.2	0.0	66.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon disulfide

Concen: 108.242 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029710.D

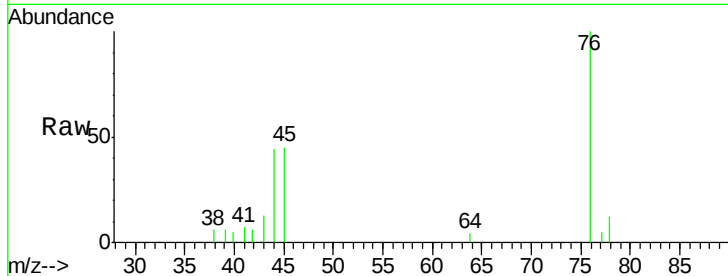
Acq: 27 Feb 2019 17:40

Tot Ion: 76 Resp: 4329

Ion Ratio Lower Upper

76 100

78 11.7 7.4 11.2#



Abundance Ion 76.00 (75.70 to 76.70): VU029710.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU029710.D (-417) (-)

2.48

2500

2000

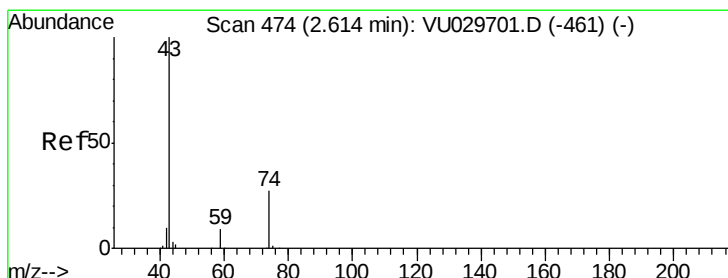
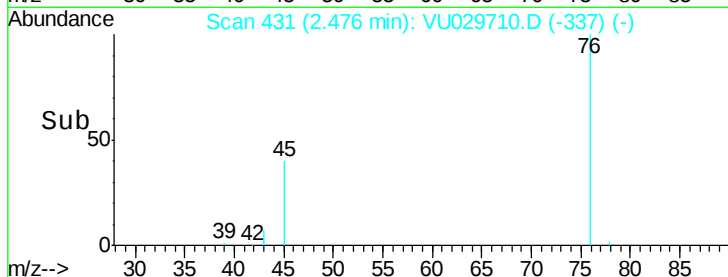
1500

1000

500

0

Time-->



#15

Methyl Acetate

Concen: 3.085 ug/L

RT: 2.60 min Scan# 469

Delta R.T. -0.02 min

Lab File: VU029710.D

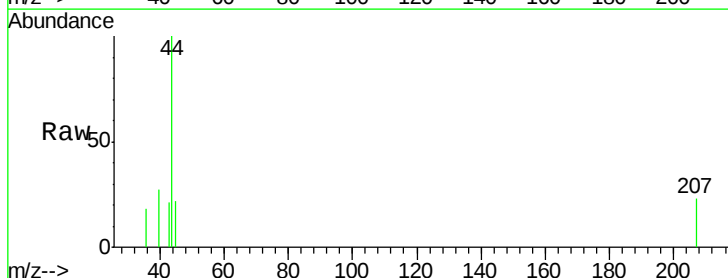
Acq: 27 Feb 2019 17:40

Tgt Ion: 43 Resp: 44

Ion Ratio Lower Upper

43 100

74 0.0 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VU029710.D (-461) (-)

Ion 74.00 (73.70 to 74.70): VU029710.D (-461) (-)

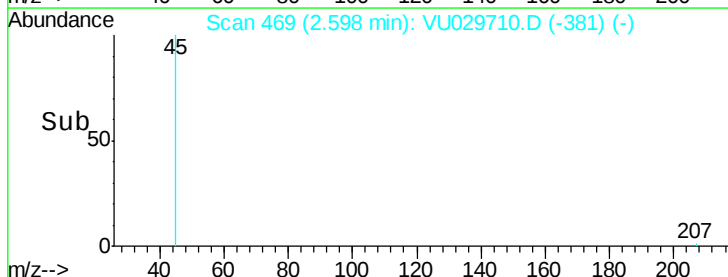
2.60

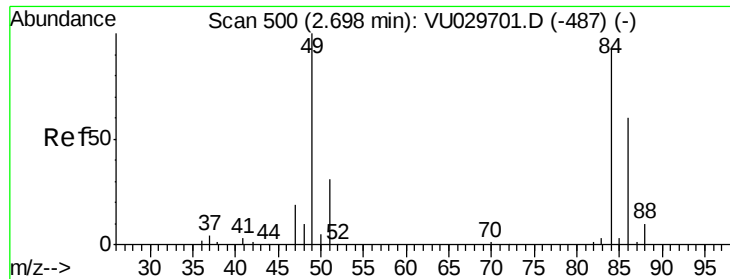
100

50

0

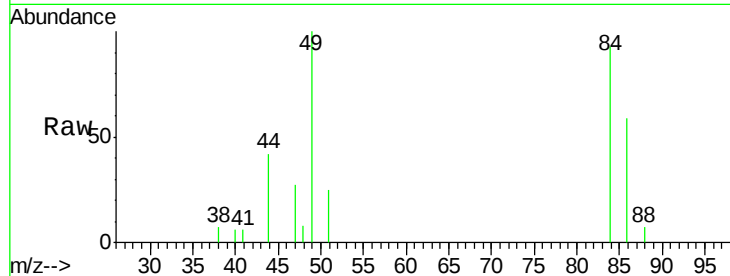
Time-->



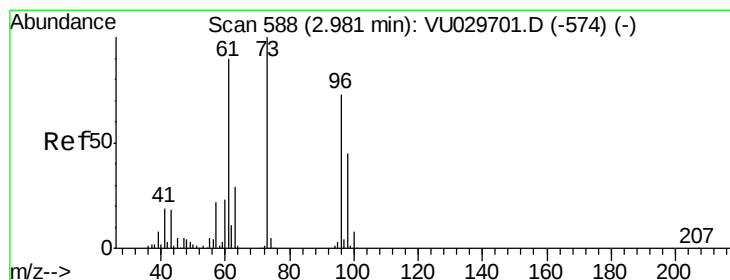
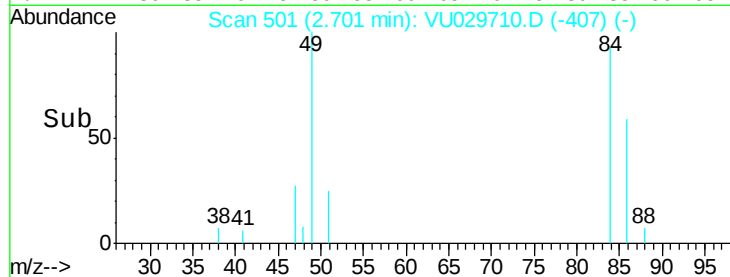
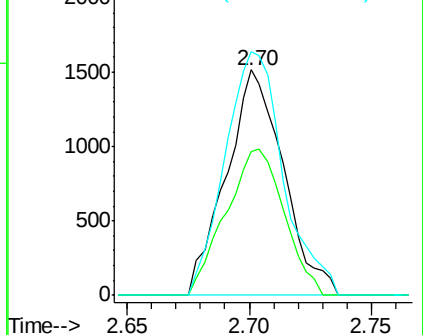


#16
Methylene chloride
Concen: 167.291 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU029710.D
Acq: 27 Feb 2019 17:40

Tot Ion: 84 Resp: 2472
Ion Ratio Lower Upper
84 100
86 63.9 45.8 85.0
49 107.9 75.1 139.5

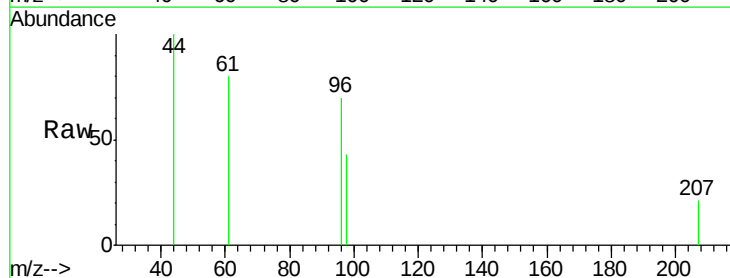


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

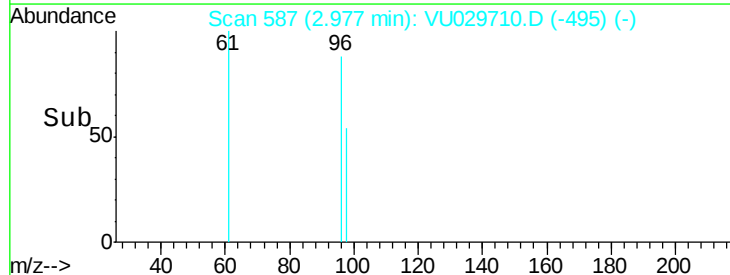
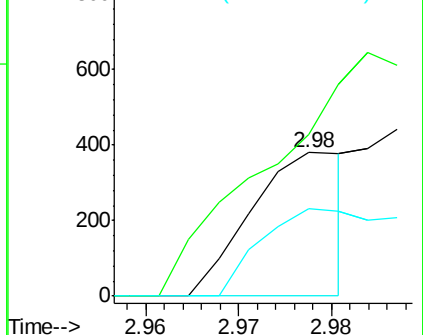


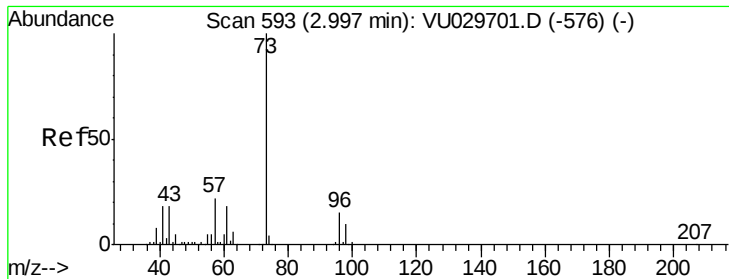
#17
trans-1,2-Dichloroethene
Concen: 19.298 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029710.D
Acq: 27 Feb 2019 17:40

Tgt Ion: 96 Resp: 272
Ion Ratio Lower Upper
96 100
61 113.2 88.3 163.9
98 60.8 44.8 83.2



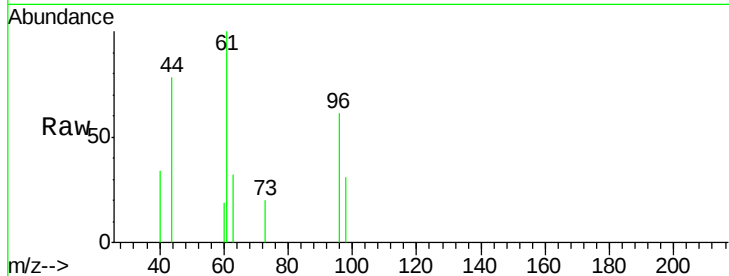
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



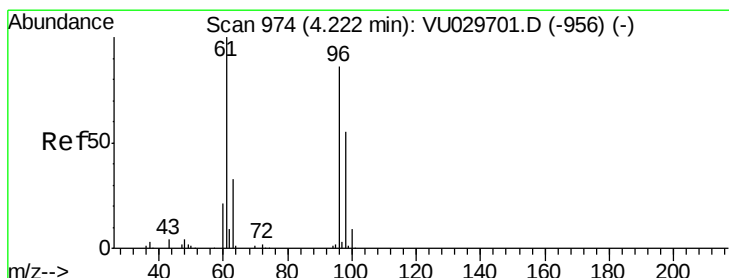
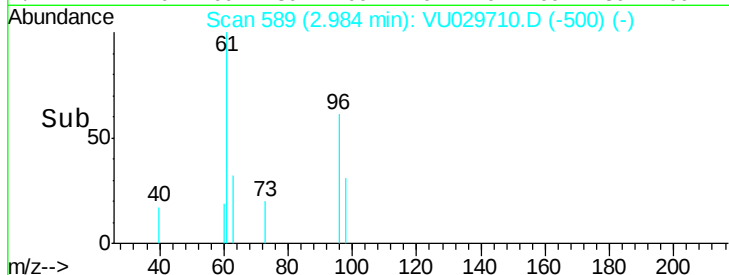
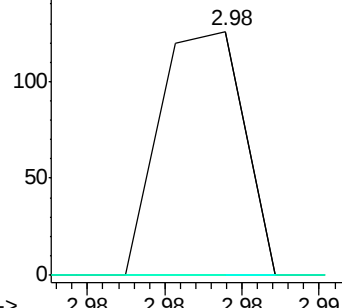


#18
Methvl tert-butvl Ether
Concen: 1.077 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.01 min
Lab File: VU029710.D
Acq: 27 Feb 2019 17:40

Tot Ion	Ratio	Lower	Upper
73	100		
43	95.7	14.8	22.2#
57	0.0	16.5	24.7#

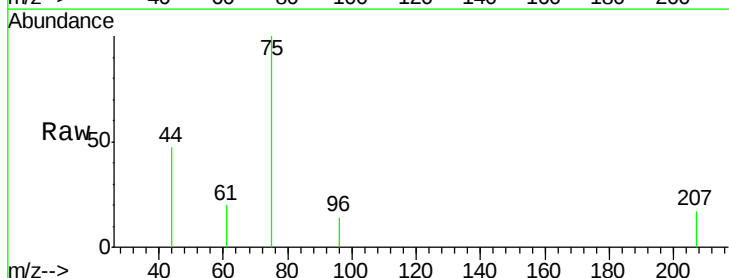


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

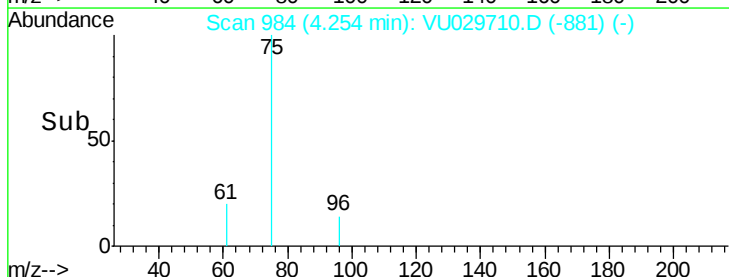
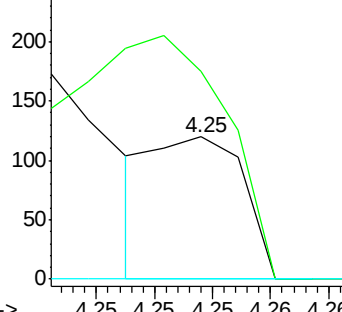


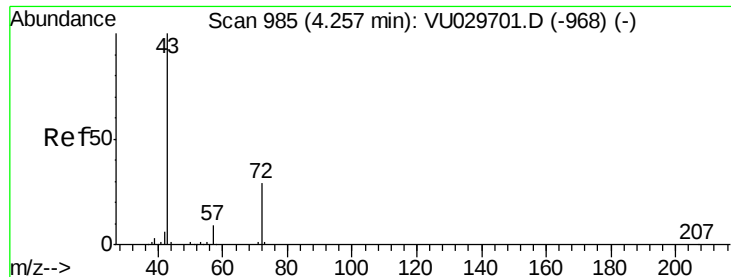
#20
cis-1,2-Dichloroethene
Concen: 3.908 ug/L
RT: 4.25 min Scan# 984
Delta R.T. 0.03 min
Lab File: VU029710.D
Acq: 27 Feb 2019 17:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.8	83.9	155.7
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 5.423 ug/L

RT: 4.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VU029710.D

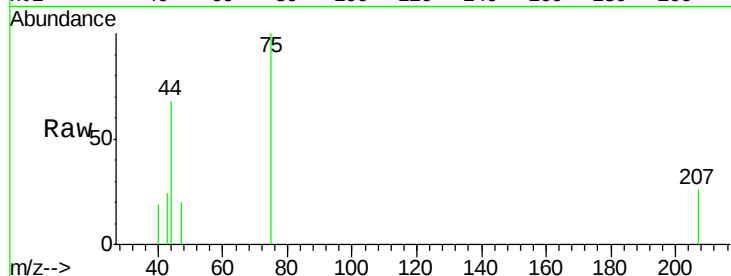
Acq: 27 Feb 2019 17:40

Tot Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

72 0.0 15.2 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

150

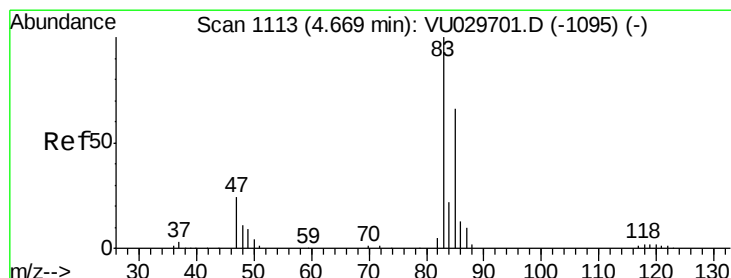
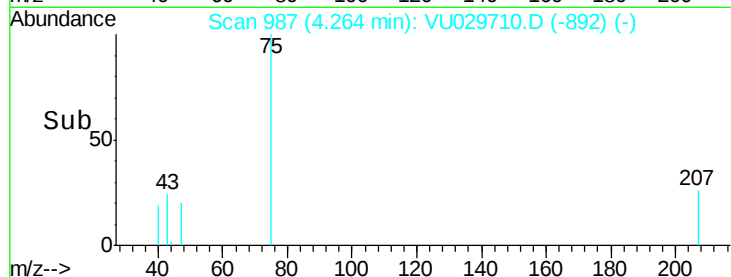
100

50

0

4.25 4.26 4.27

Time-->



#25

Chloroform

Concen: 6.325 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU029710.D

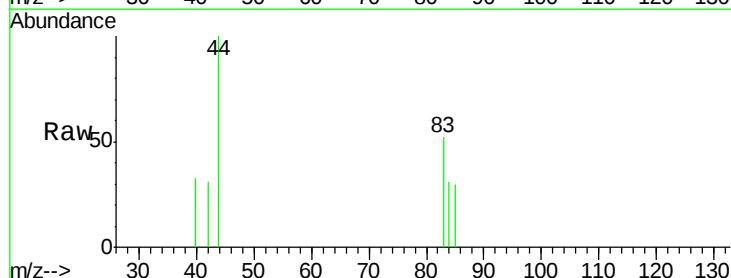
Acq: 27 Feb 2019 17:40

Tgt Ion: 83 Resp: 172

Ion Ratio Lower Upper

83 100

85 58.4 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.67

200

150

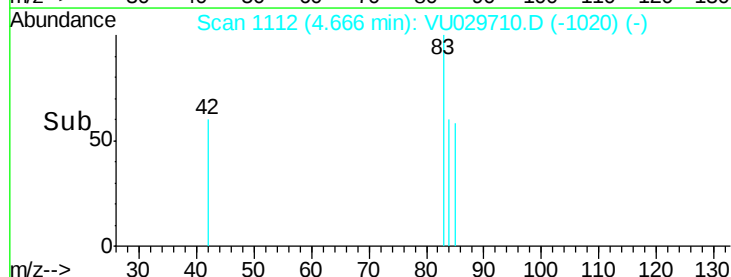
100

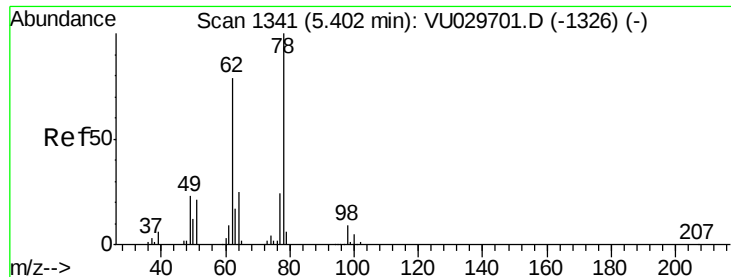
50

0

4.65 4.66 4.67

Time-->





#27

1,2-Dichloroethane

Concen: 2.392 ug/L

RT: 5.41 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VU029710.D

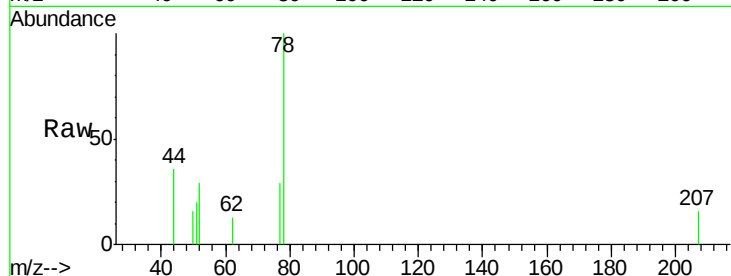
Acq: 27 Feb 2019 17:40

Tot Ion: 62 Resp: 50

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.41

150

100

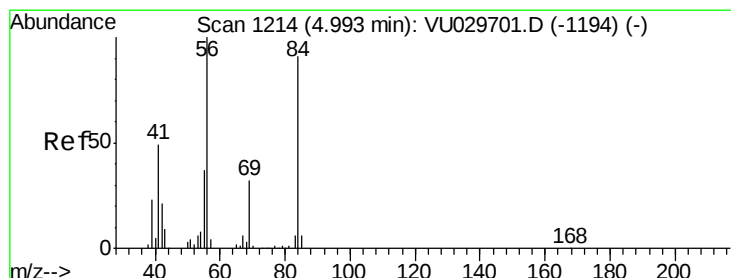
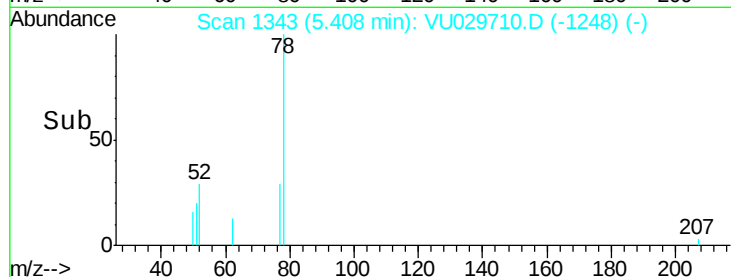
50

0

5.41

5.42

Time-->



#29

Cyclohexane

Concen: 7.825 ug/L

RT: 5.01 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

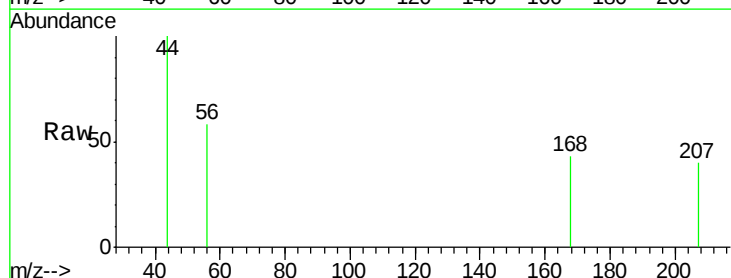
Tgt Ion: 56 Resp: 254

Ion Ratio Lower Upper

56 100

69 0.0 25.7 38.5#

84 28.7 77.1 115.7#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

250

200

150

100

50

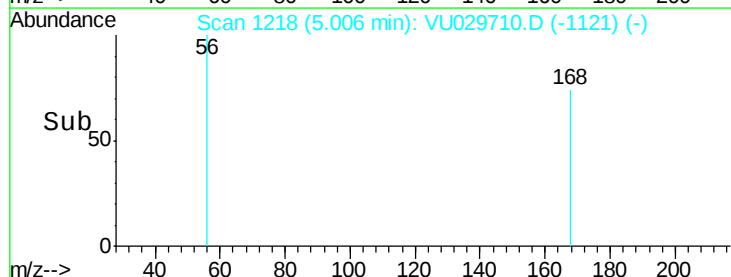
0

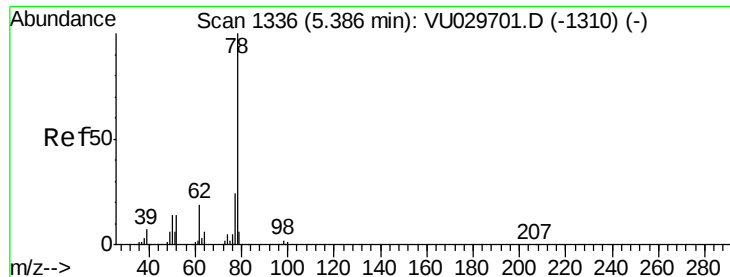
4.98

5.00

5.02

Time-->





#33

Benzene

Concen: 47.149 ug/L

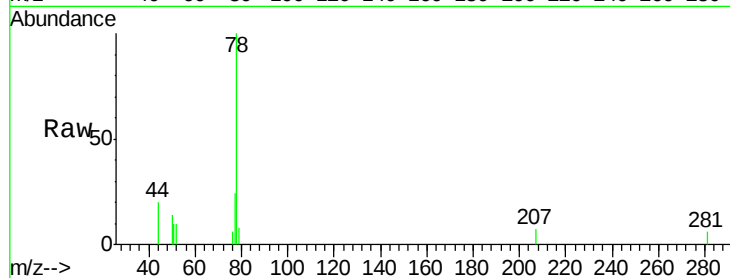
RT: 5.40 min Scan# 1339

Delta R.T. 0.01 min

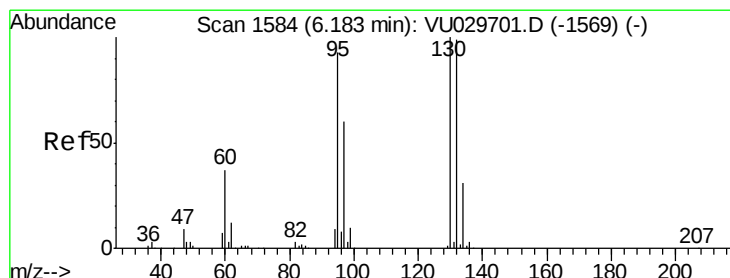
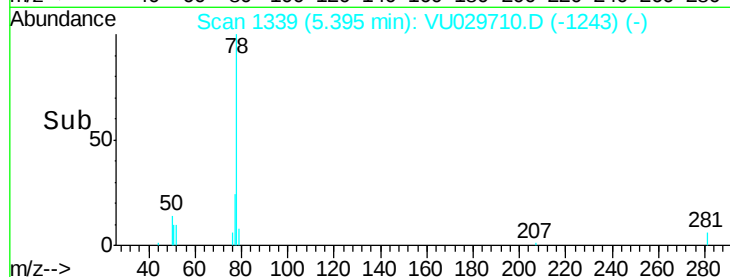
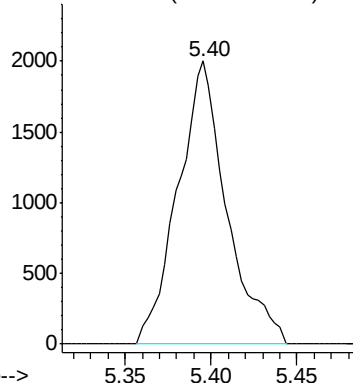
Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

Tgt Ion: 78 Resp: 3965



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 23.704 ug/L

RT: 6.19 min Scan# 1586

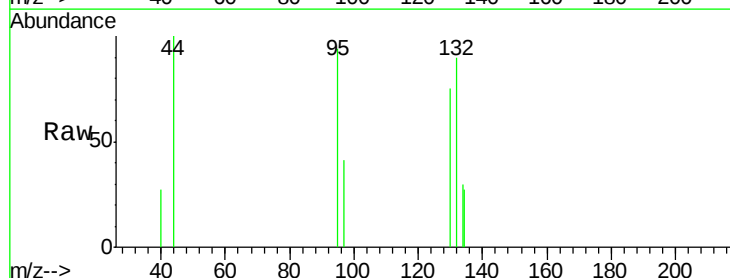
Delta R.T. 0.01 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

Tgt Ion: 95 Resp: 537

Ion	Ratio	Lower	Upper
95	100		
97	43.6	44.6	82.8#
132	95.5	74.6	138.6
130	79.8	77.2	143.4

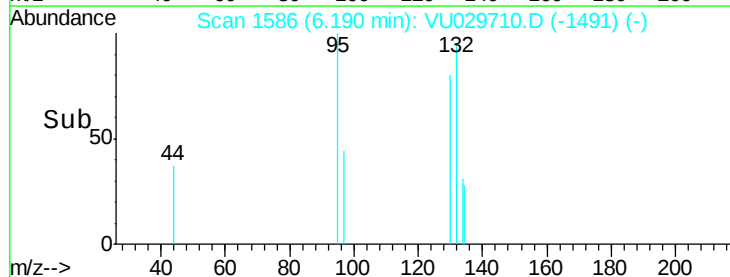
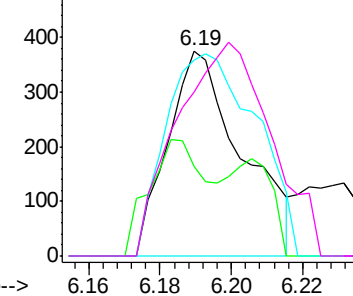


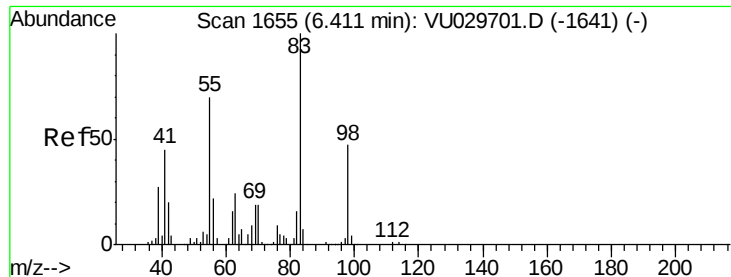
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

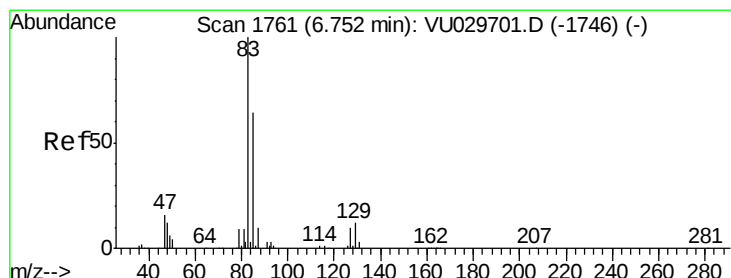
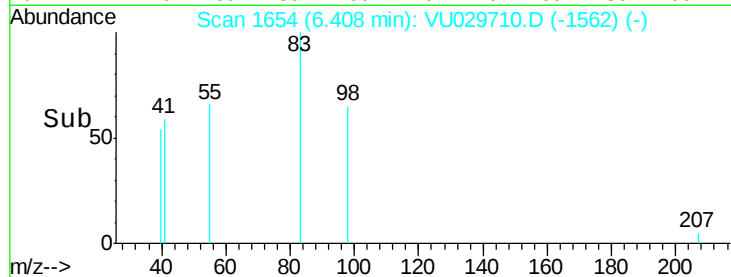
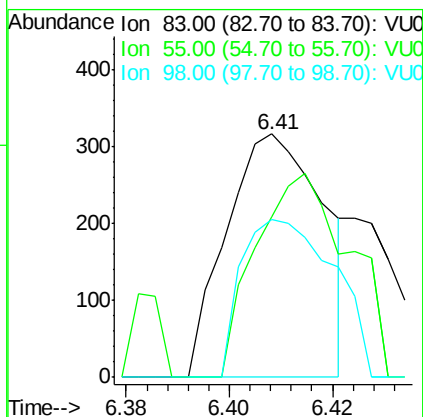
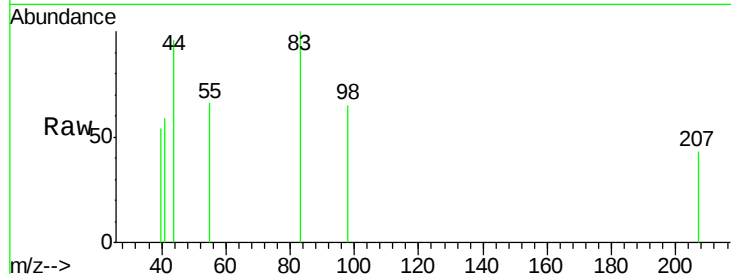
Ion 130.00 (129.70 to 130.70): V





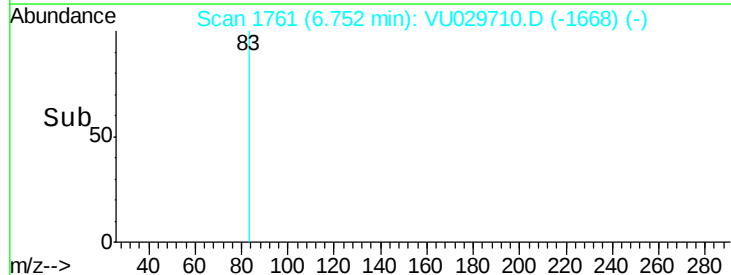
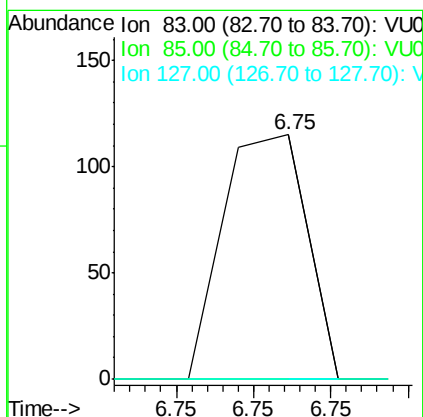
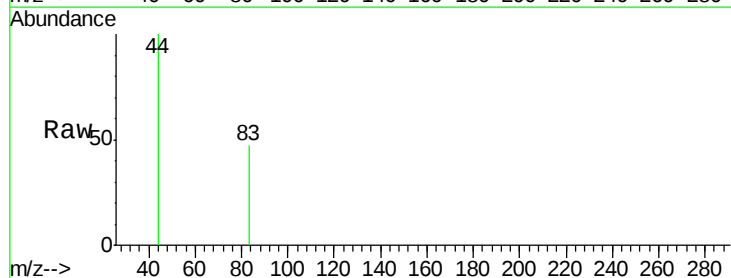
#35
Methvlcvclohexane
Concen: 10.951 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU029710.D
Acq: 27 Feb 2019 17:40

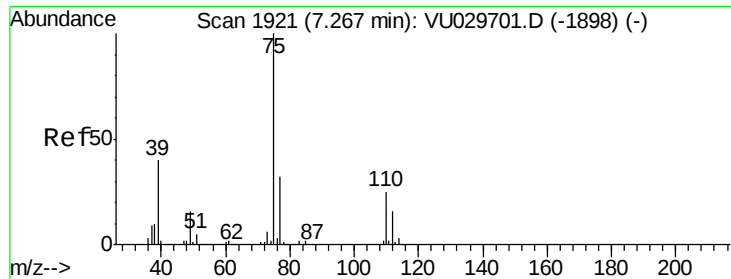
Tot Ion: 83 Resp: 412
Ion Ratio Lower Upper
83 100
55 65.3 55.2 82.8
98 61.9 39.4 59.2#



#38
Bromodichloromethane
Concen: 1.445 ug/L
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU029710.D
Acq: 27 Feb 2019 17:40

Tgt Ion: 83 Resp: 43
Ion Ratio Lower Upper
83 100
85 0.0 44.2 82.0#
127 0.0 8.3 12.5#





#39

cis-1,3-Dichloropropene

Concen: 3.454 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VU029710.D

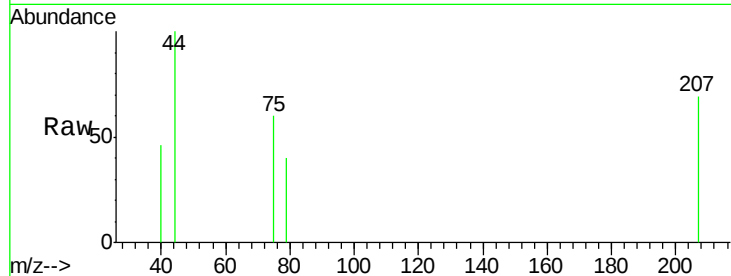
Acq: 27 Feb 2019 17:40

Tot Ion: 75 Resp: 123

Ion Ratio Lower Upper

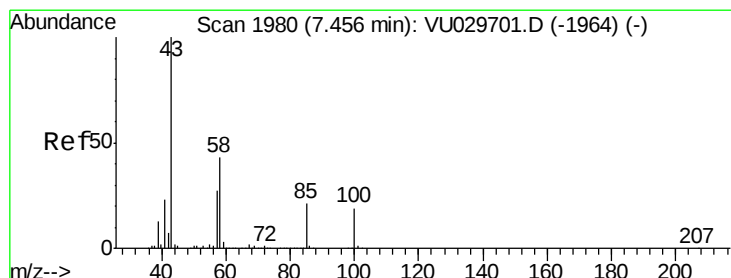
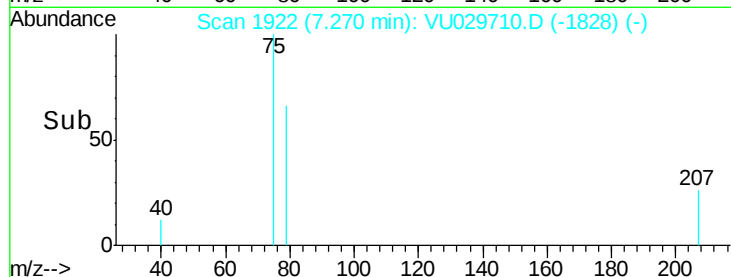
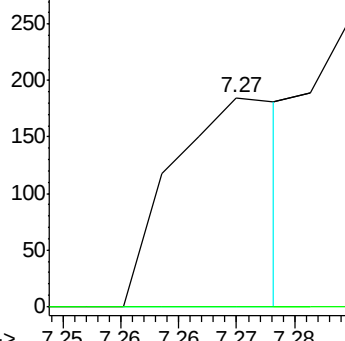
75 100

77 0.0 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 19.071 ug/L

RT: 7.48 min Scan# 1986

Delta R.T. 0.02 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

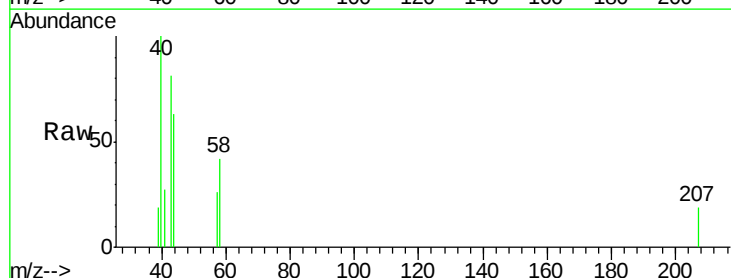
Tgt Ion: 43 Resp: 592

Ion Ratio Lower Upper

43 100

58 0.0 33.0 49.4#

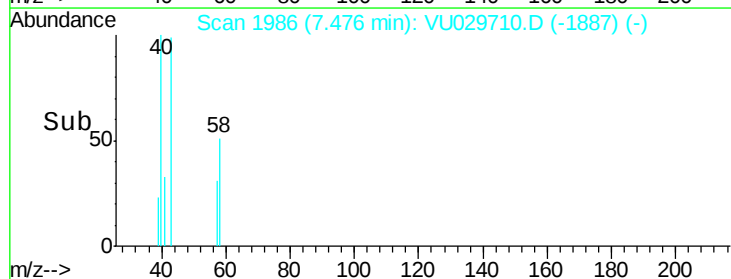
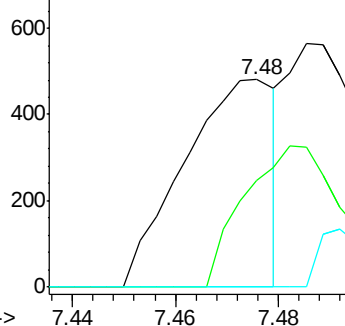
100 0.0 14.5 21.7#

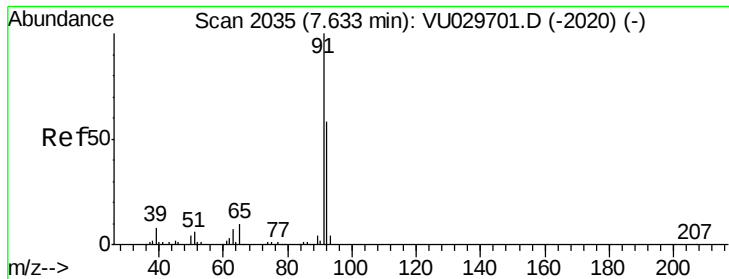


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 13.203 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VU029710.D

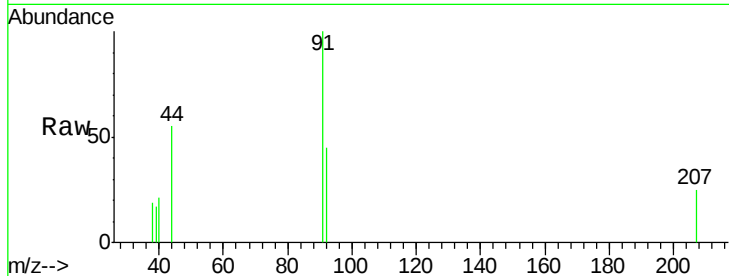
Acq: 27 Feb 2019 17:40

Tot Ion: 91 Resp: 1313

Ion Ratio Lower Upper

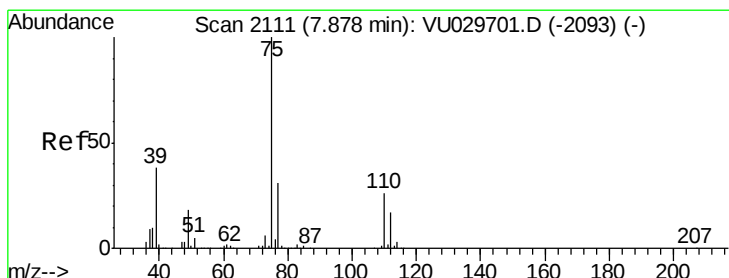
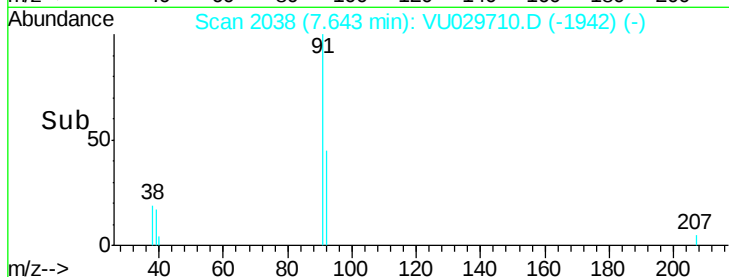
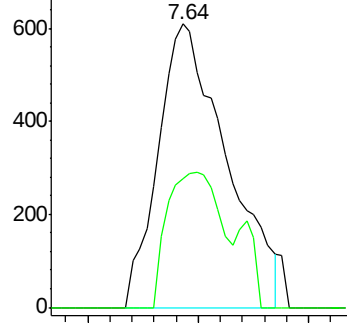
91 100

92 45.4 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 9.653 ug/L

RT: 7.89 min Scan# 2116

Delta R.T. 0.02 min

Lab File: VU029710.D

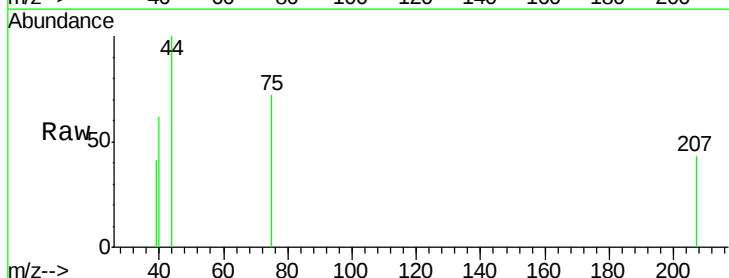
Acq: 27 Feb 2019 17:40

Tgt Ion: 75 Resp: 324

Ion Ratio Lower Upper

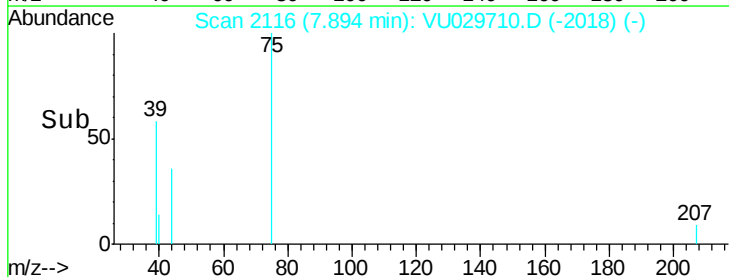
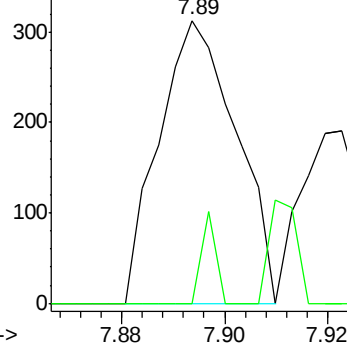
75 100

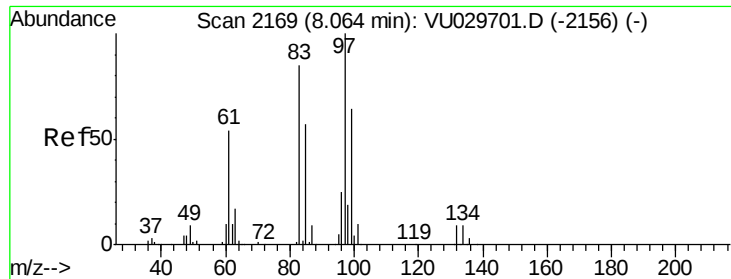
77 0.0 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 3.698 ug/L

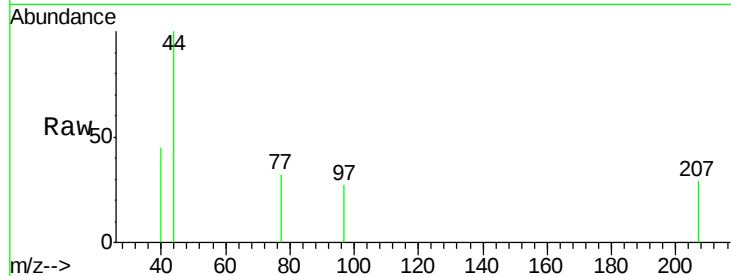
RT: 8.08 min Scan# 2173

Delta R.T. 0.01 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

Tot Ion:	97	Resp:	87
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.8	81.3#
83	0.0	57.7	107.1#
85	0.0	38.5	71.5#

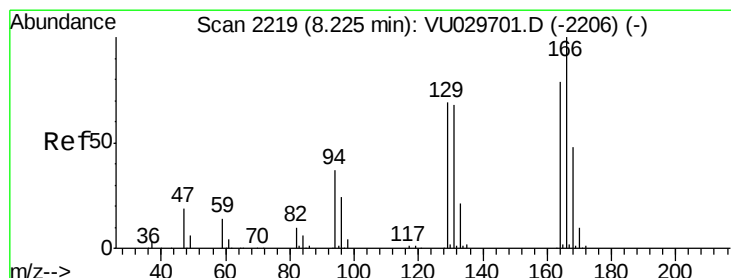
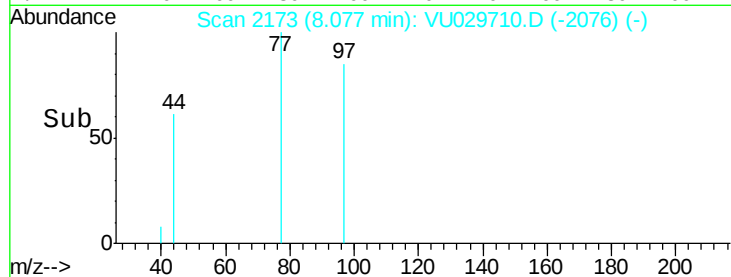
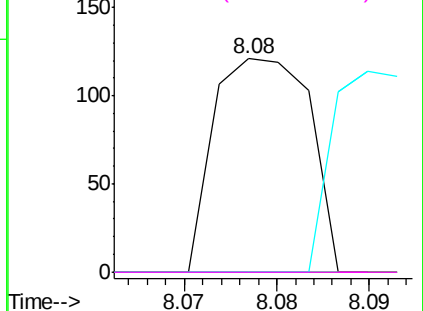


Abundance Ion 97.00 (96.70 to 97.70): VU029710.D (-2173) (-)

Ion 99.00 (98.70 to 99.70): VU029710.D (-2173) (-)

Ion 83.00 (82.70 to 83.70): VU029710.D (-2173) (-)

Ion 85.00 (84.70 to 85.70): VU029710.D (-2173) (-)



#46

Tetrachloroethene

Concen: 23.452 ug/L

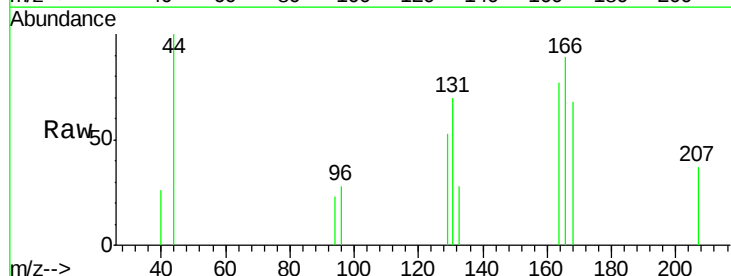
RT: 8.23 min Scan# 2221

Delta R.T. 0.01 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

Tgt Ion:	164	Resp:	520
Ion	Ratio	Lower	Upper
164	100		
129	68.5	62.1	115.3
131	90.3	60.1	111.5
166	115.2	89.7	166.5

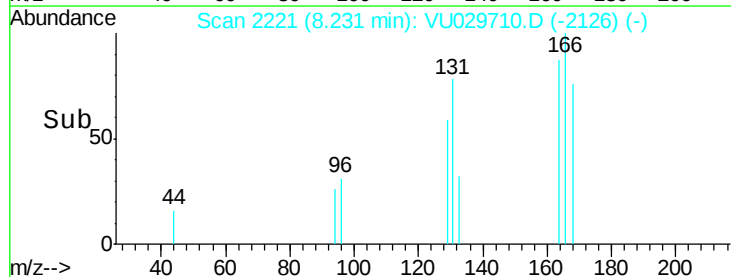
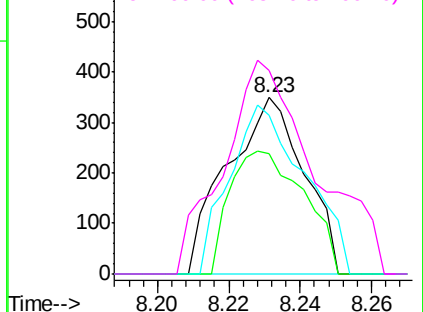


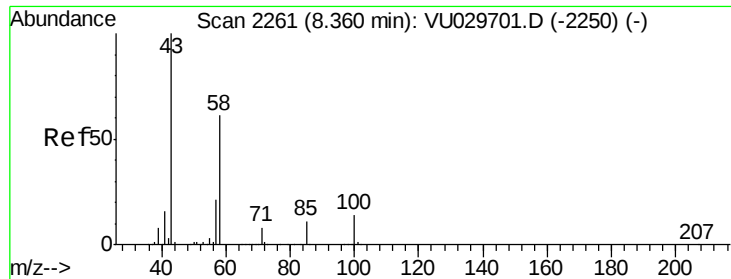
Abundance Ion 164.00 (163.70 to 164.70): VU029710.D (-2221) (-)

Ion 129.00 (128.70 to 129.70): VU029710.D (-2221) (-)

Ion 131.00 (130.70 to 131.70): VU029710.D (-2221) (-)

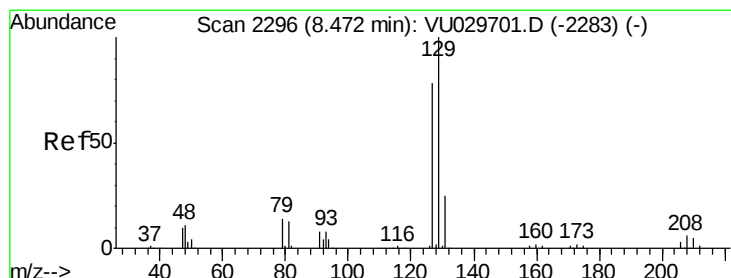
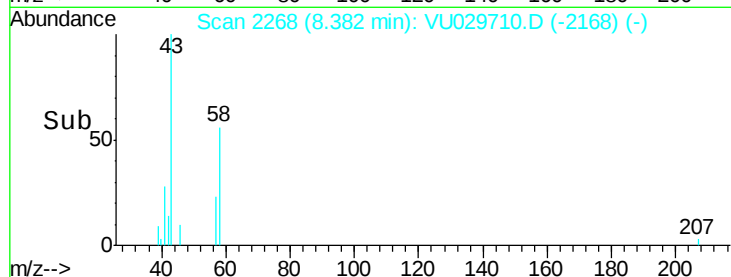
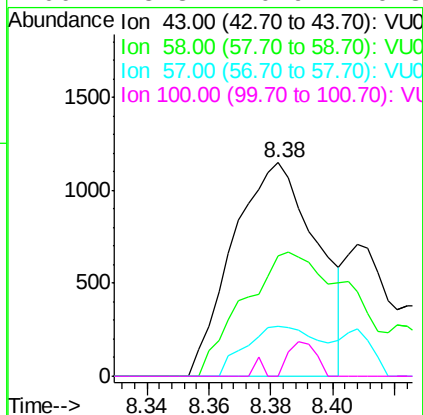
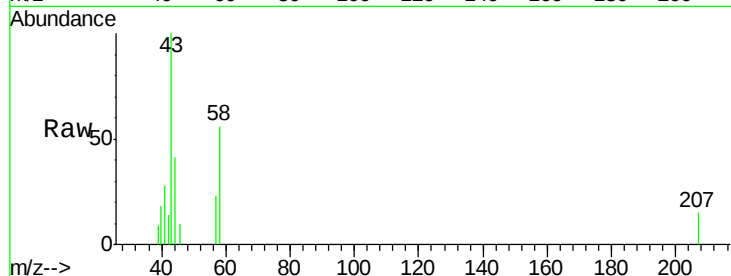
Ion 166.00 (165.70 to 166.70): VU029710.D (-2221) (-)





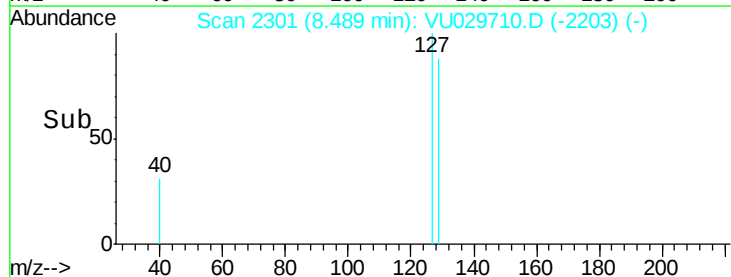
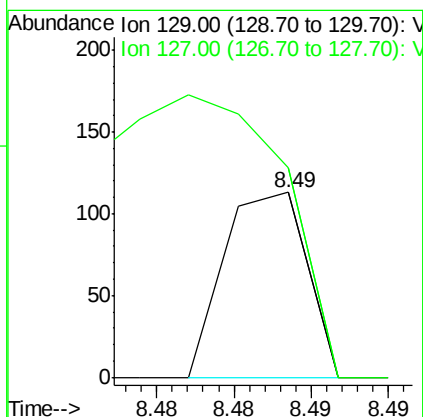
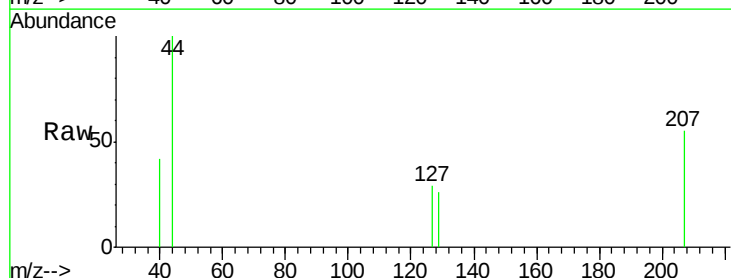
#48
2-Hexanone
Concen: 80.021 ug/L
RT: 8.38 min Scan# 2268
Delta R.T. 0.02 min
Lab File: VU029710.D
Acq: 27 Feb 2019 17:40

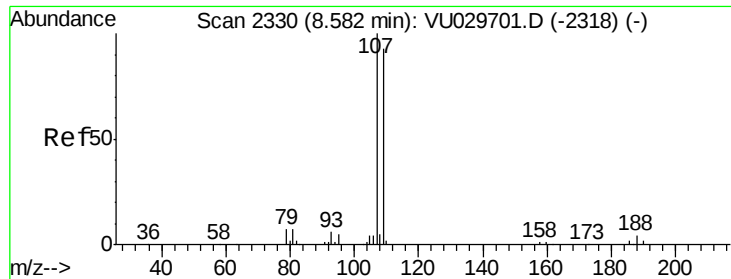
Tot Ion: 43 Resp: 2170
Ion Ratio Lower Upper
43 100
58 53.9 46.4 69.6
57 20.0 15.7 23.5
100 5.3 10.9 16.3#



#49
Dibromochloromethane
Concen: 1.472 ug/L
RT: 8.49 min Scan# 2301
Delta R.T. 0.02 min
Lab File: VU029710.D
Acq: 27 Feb 2019 17:40

Tgt Ion: 129 Resp: 42
Ion Ratio Lower Upper
129 100
127 113.3 54.4 101.0#





#50

1,2-Dibromoethane

Concen: 11.201 ug/L

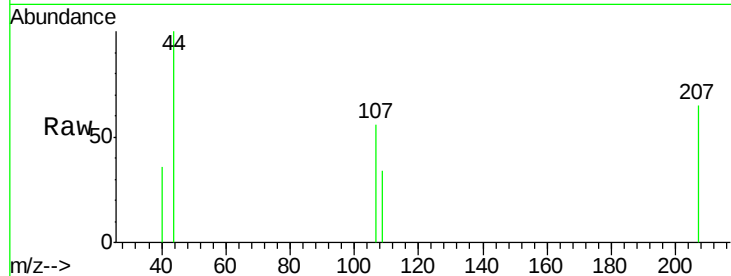
RT: 8.60 min Scan# 2336

Delta R.T. 0.02 min

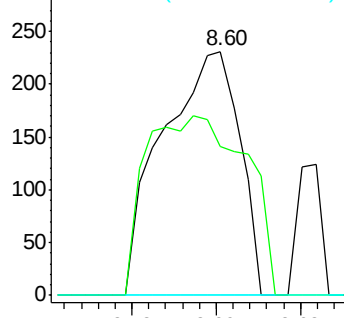
Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

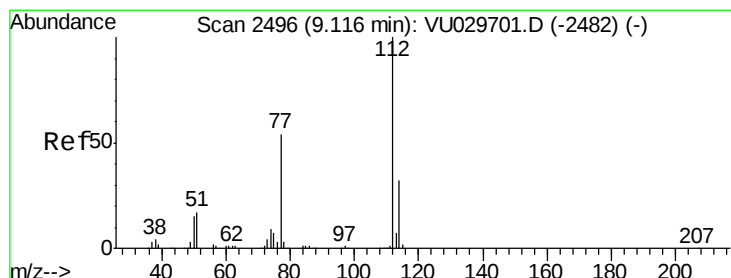
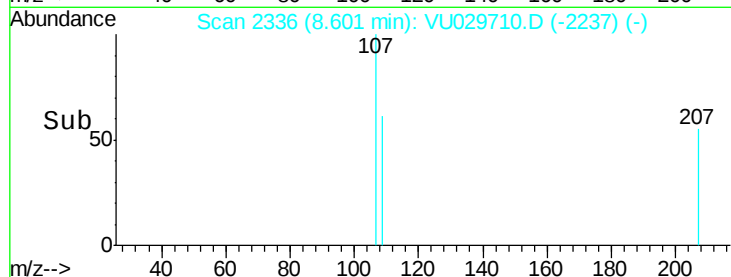
Tot Ion:	107	Resp:	292
Ion	Ratio	Lower	Upper
107	100		
109	61.0	66.4	123.4#
188	0.0	3.5	5.3#



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



Time-->



#51

Chlorobenzene

Concen: 908.724 ug/L

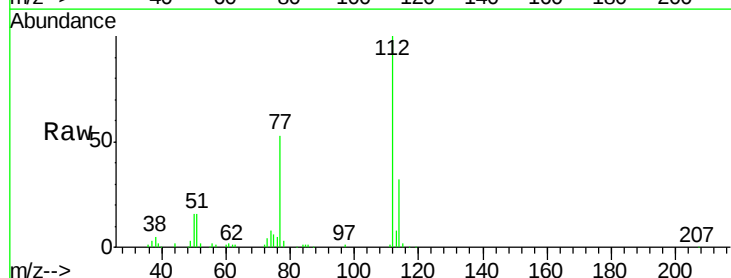
RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

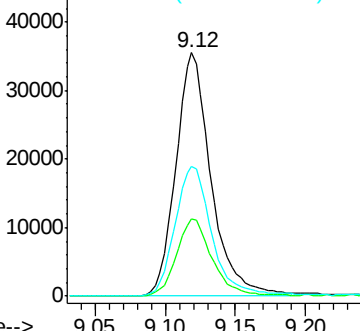
Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

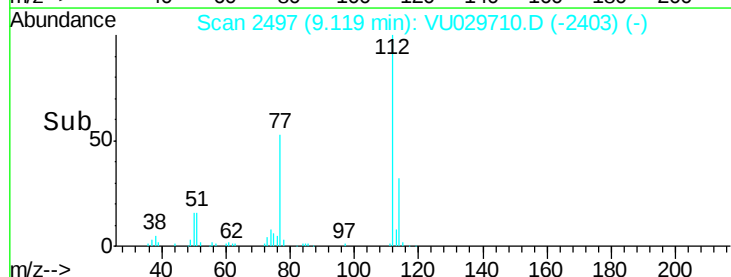
Tgt Ion:	112	Resp:	62027
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.7	42.1
77	53.5	42.1	63.1

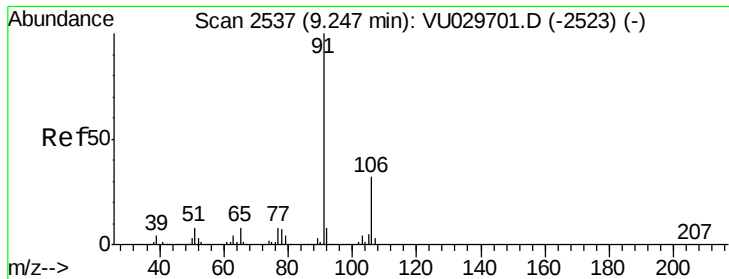


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



Time-->





#52

Ethylbenzene

Concen: 19.620 ug/L

RT: 9.25 min Scan# 2539

Delta R.T. 0.01 min

Lab File: VU029710.D

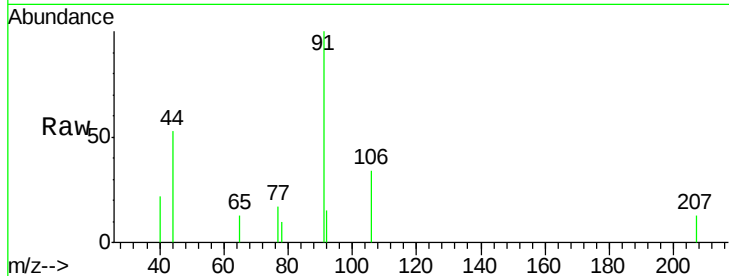
Acq: 27 Feb 2019 17:40

Tot Ion: 91 Resp: 2216

Ion Ratio Lower Upper

91 100

106 34.4 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VU029710.D (-2537) (-)

Ion 106.00 (105.70 to 106.70): VU029710.D (-2537) (-)

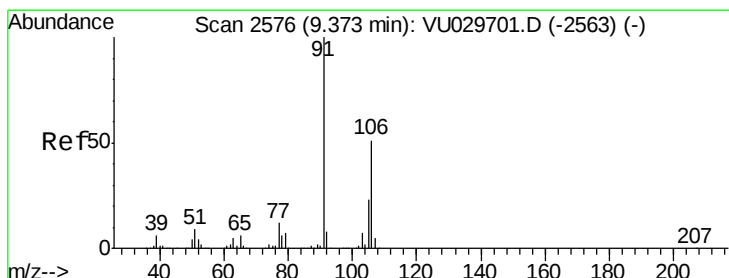
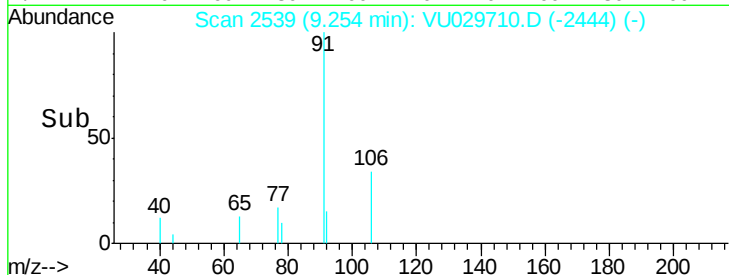
9.25

1000

500

0

Time--> 9.20 9.25 9.30



#53

m,p-Xylene

Concen: 13.873 ug/L

RT: 9.39 min Scan# 2582

Delta R.T. 0.02 min

Lab File: VU029710.D

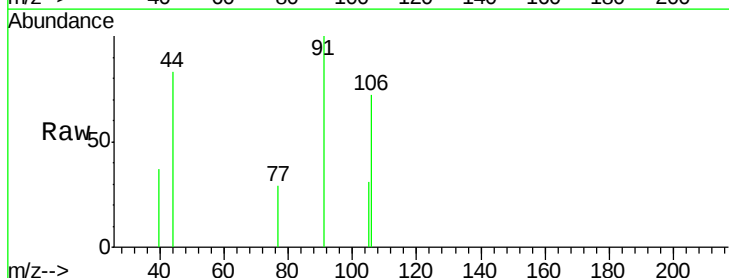
Acq: 27 Feb 2019 17:40

Tgt Ion: 106 Resp: 629

Ion Ratio Lower Upper

106 100

91 139.4 135.3 251.3



Abundance Ion 106.00 (105.70 to 106.70): VU029710.D (-2576) (-)

Ion 91.00 (90.70 to 91.70): VU029710.D (-2576) (-)

800

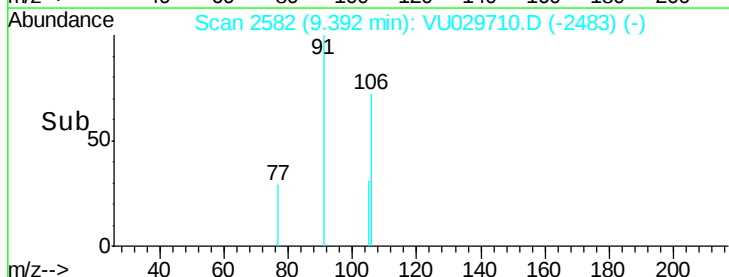
600

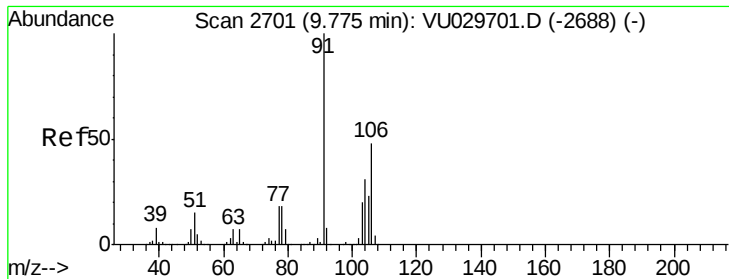
400

200

0

Time--> 9.34 9.36 9.38 9.40 9.42





#54

o-xylene

Concen: 3.755 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU029710.D

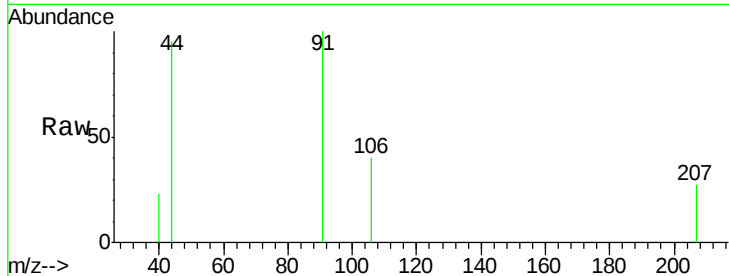
Acq: 27 Feb 2019 17:40

Tot Ion:106 Resp: 171

Ion Ratio Lower Upper

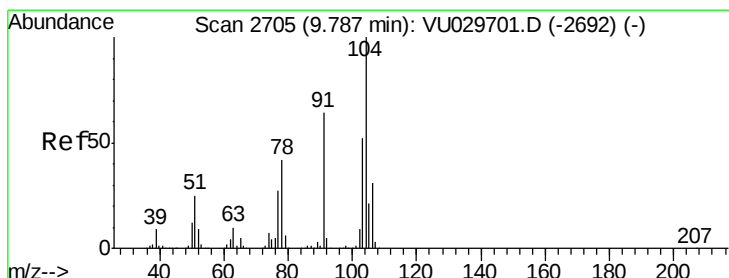
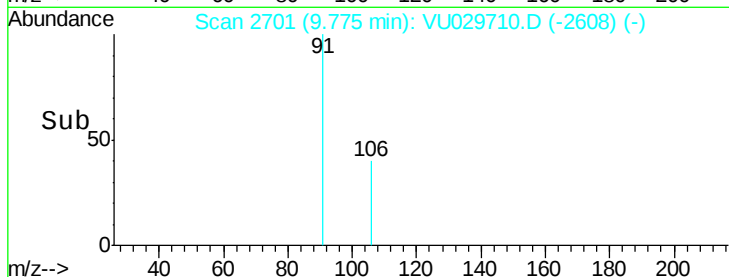
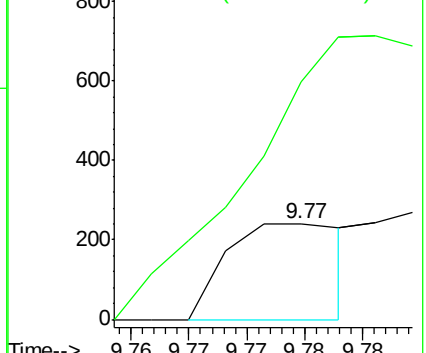
106 100

91 248.1 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 22.268 ug/L

RT: 9.80 min Scan# 2709

Delta R.T. 0.01 min

Lab File: VU029710.D

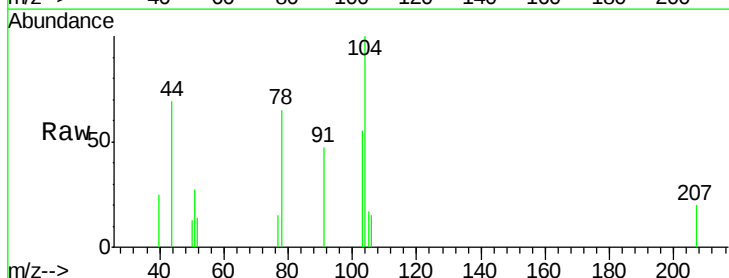
Acq: 27 Feb 2019 17:40

Tgt Ion:104 Resp: 1712

Ion Ratio Lower Upper

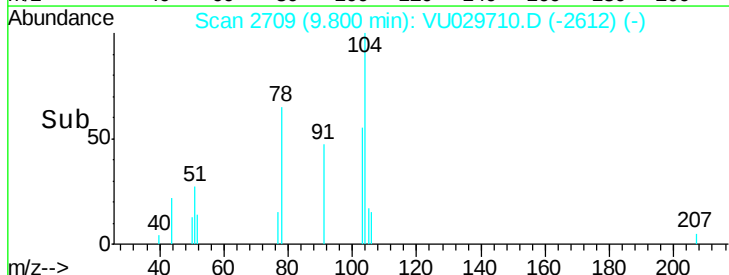
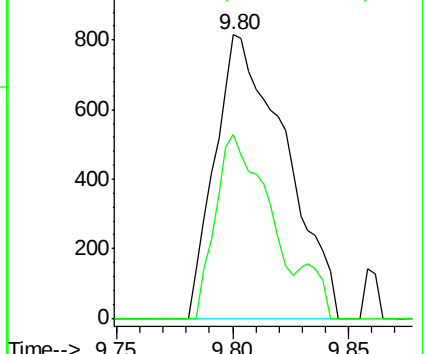
104 100

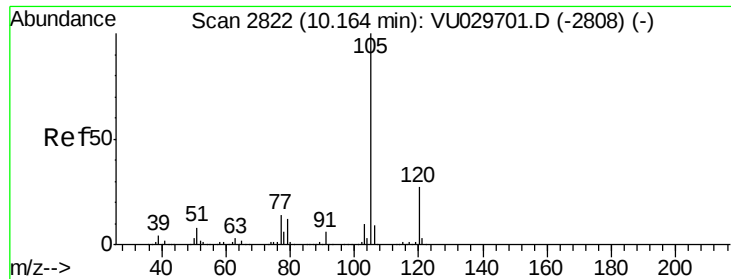
78 64.9 31.3 58.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 16.069 ug/L

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

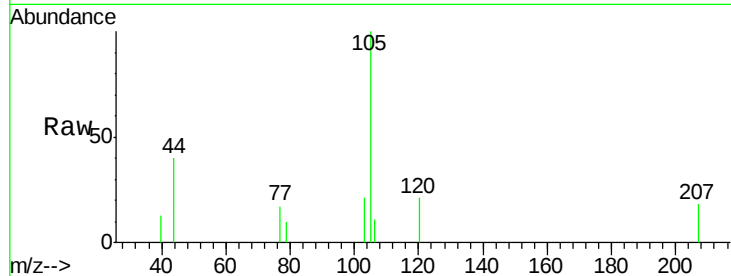
Tot Ion: 105 Resp: 1915

Ion	Ratio	Lower	Upper
105	100		
120	22.3	21.9	32.9
77	7.0	11.7	17.5

105 100

120 22.3 21.9 32.9

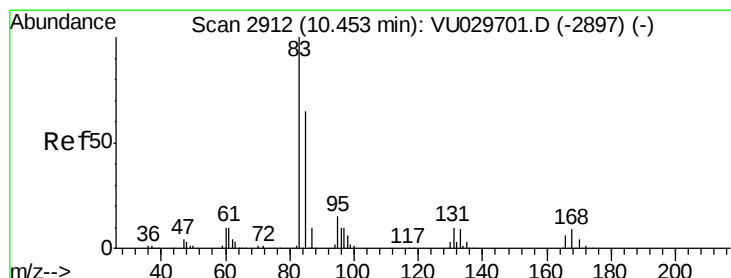
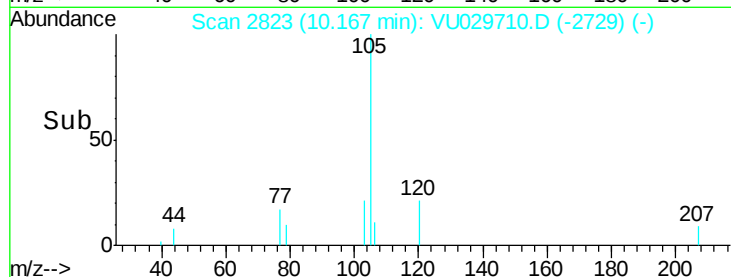
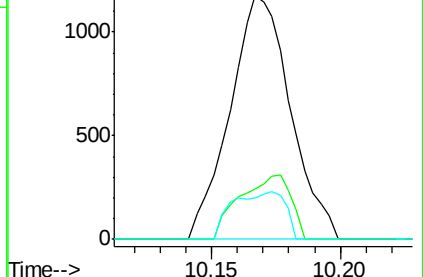
77 7.0 11.7 17.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 12.762 ug/L

RT: 10.46 min Scan# 2914

Delta R.T. 0.01 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

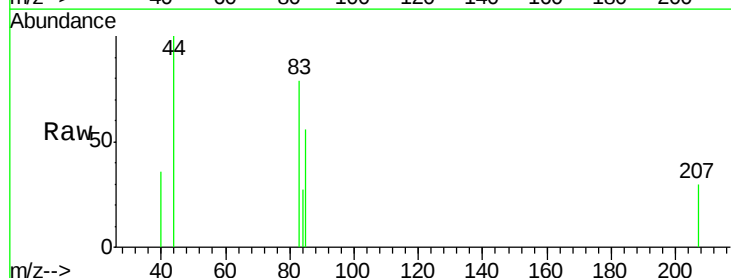
Tgt Ion: 83 Resp: 531

Ion	Ratio	Lower	Upper
83	100		
85	71.3	45.5	84.5
131	0.0	8.6	12.8

83 100

85 71.3 45.5 84.5

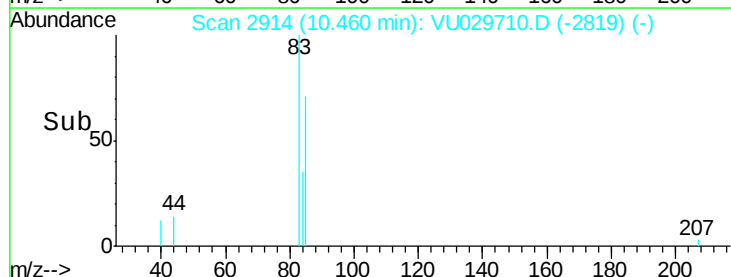
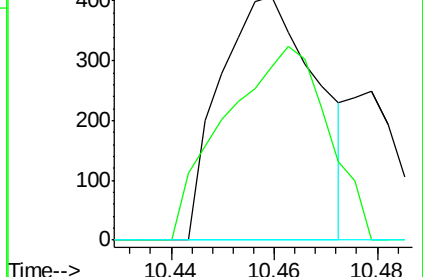
131 0.0 8.6 12.8#

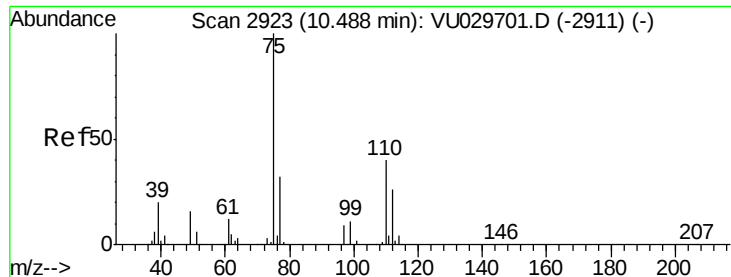


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

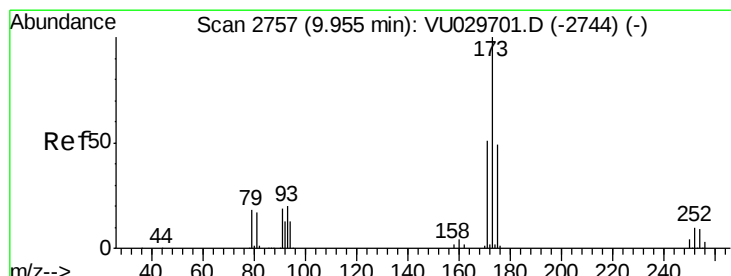
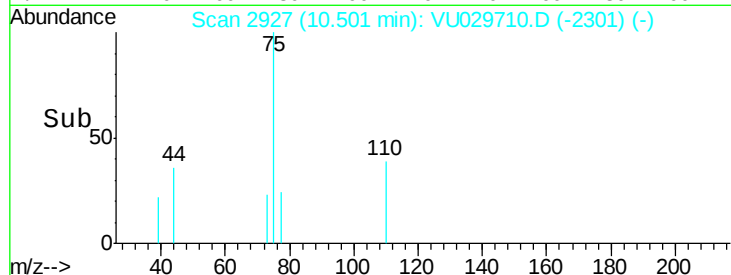
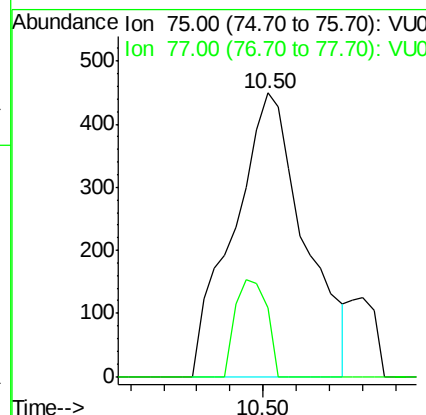
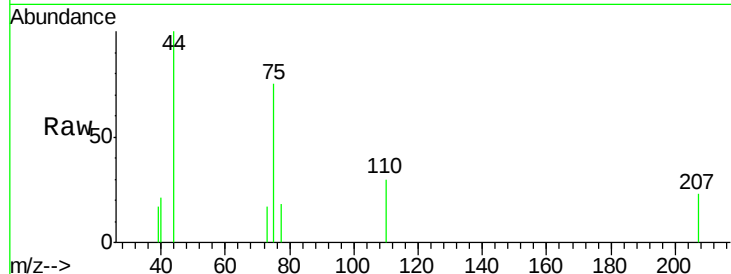
Ion 131.00 (130.70 to 131.70): V





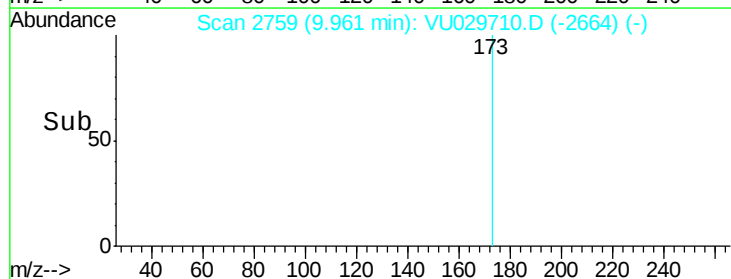
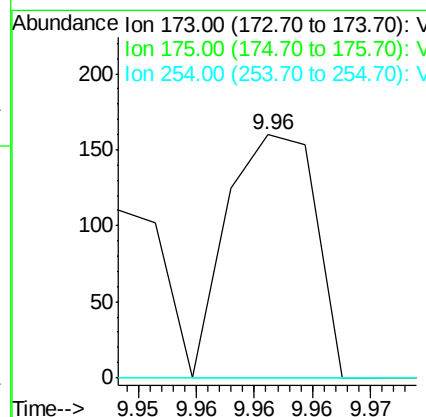
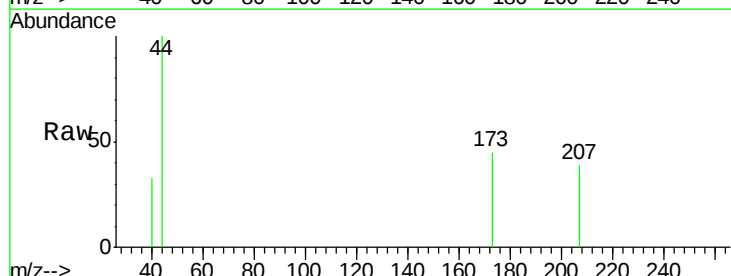
#59
 1,2,3-Trichloropropane
 Concen: 21.128 ug/L
 RT: 10.50 min Scan# 2927
 Delta R.T. 0.01 min
 Lab File: VU029710.D
 Acq: 27 Feb 2019 17:40

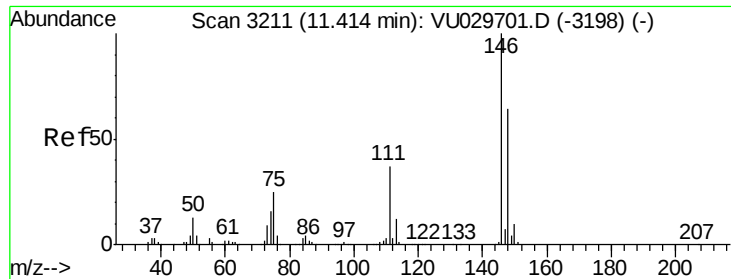
Tot Ion: 75 Resp: 665
 Ion Ratio Lower Upper
 75 100
 77 15.2 25.7 38.5#



#61
 Bromoform
 Concen: 1.230 ug/L
 RT: 9.96 min Scan# 2759
 Delta R.T. 0.01 min
 Lab File: VU029710.D
 Acq: 27 Feb 2019 17:40

Tgt Ion: 173 Resp: 84
 Ion Ratio Lower Upper
 173 100
 175 0.0 39.0 58.4#
 254 0.0 8.1 12.1#





#62

1,3-Dichlorobenzene

Concen: 67.290 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

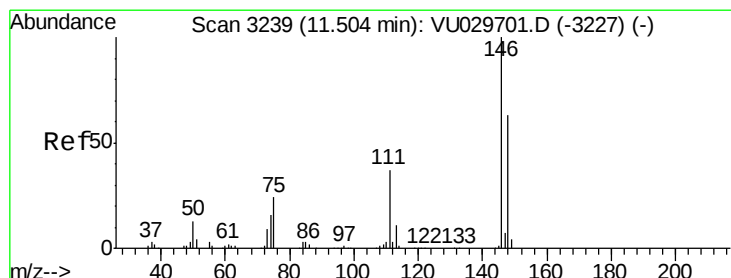
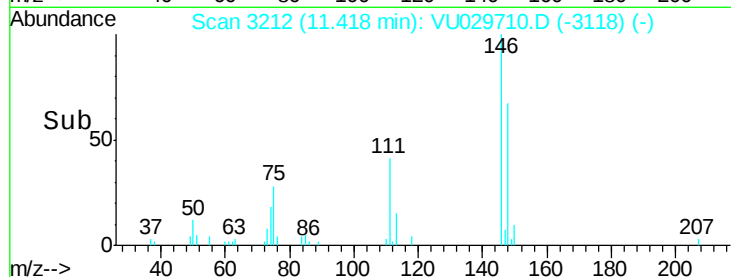
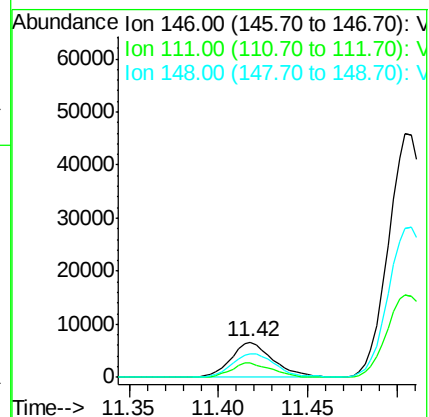
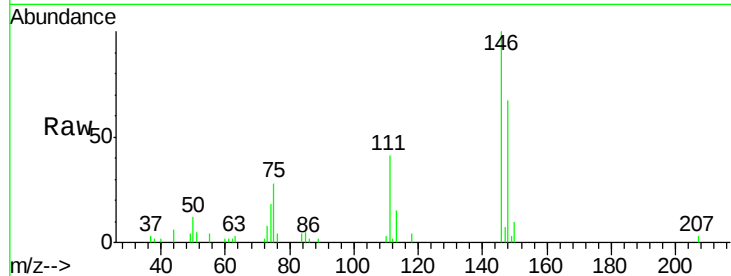
Tot Ion:146 Resp: 10884

Ion Ratio Lower Upper

146 100

111 41.0 26.7 49.5

148 67.1 45.9 85.3



#63

1,4-Dichlorobenzene

Concen: 467.686 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

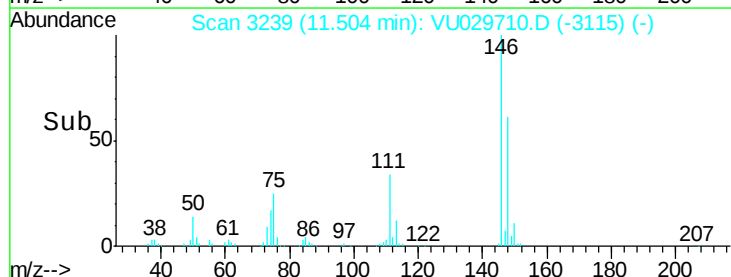
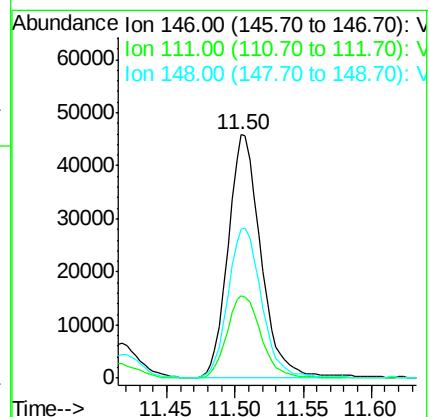
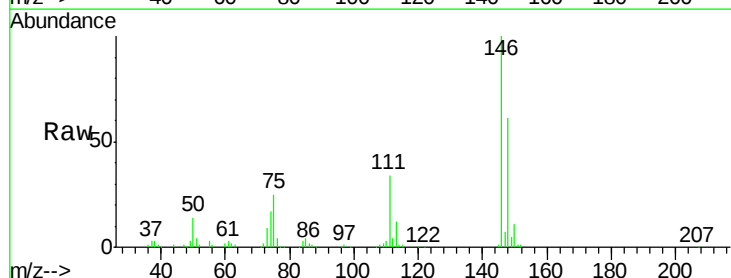
Tgt Ion:146 Resp: 76127

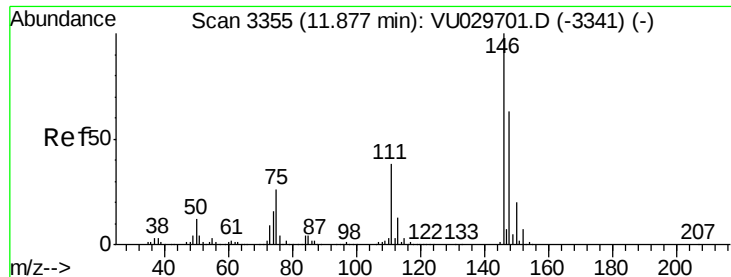
Ion Ratio Lower Upper

146 100

111 33.7 25.1 46.5

148 61.3 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 2106.458 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

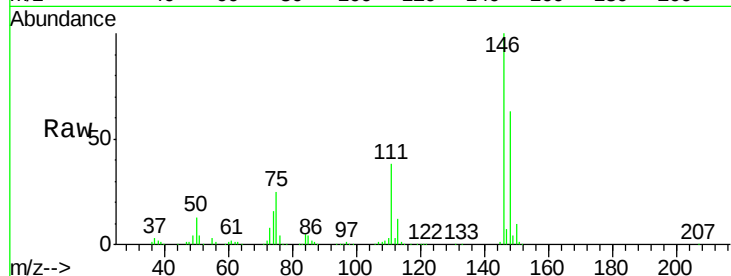
Tot Ion:146 Resp: 355655

Ion Ratio Lower Upper

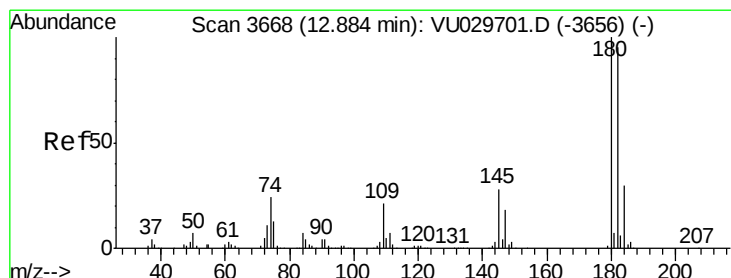
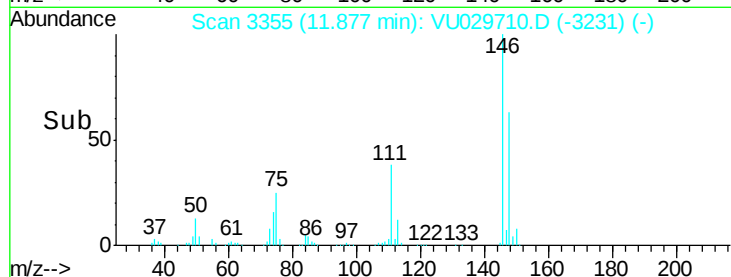
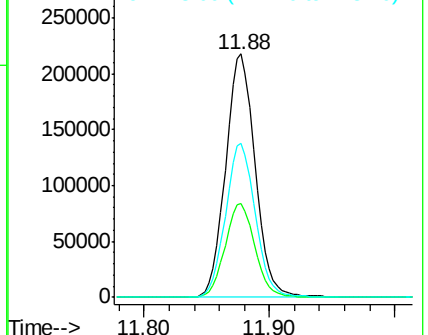
146 100

111 38.5 31.2 46.8

148 63.2 51.6 77.4



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



#67

1,3,5-Trichlorobenzene

Concen: 494.612 ug/L

RT: 13.50 min Scan# 3860

Delta R.T. 0.62 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

Tgt Ion:180 Resp: 61050

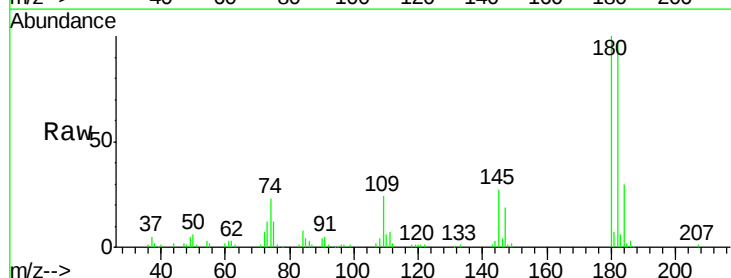
Ion Ratio Lower Upper

180 100

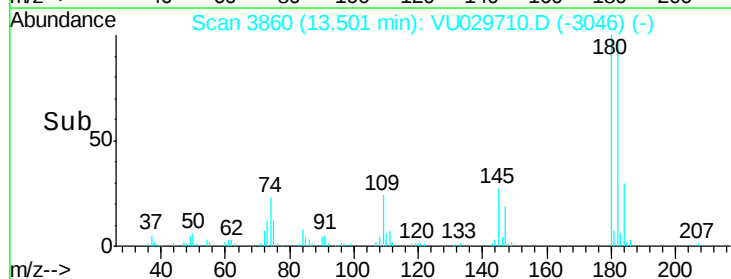
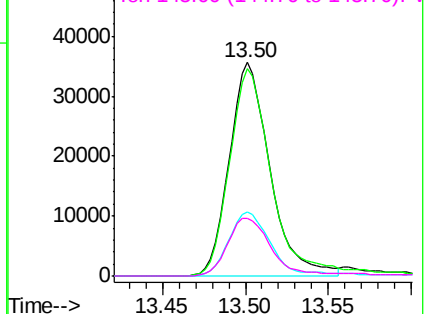
182 98.5 77.9 116.9

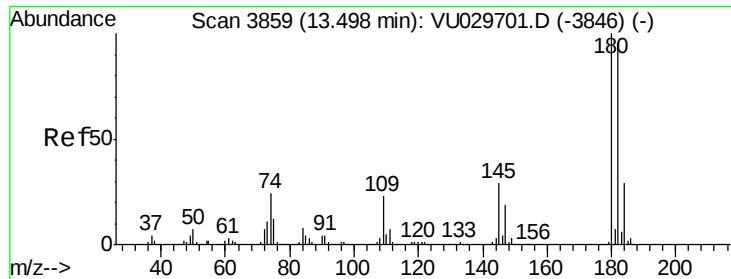
184 30.4 24.5 36.7

145 28.4 22.4 33.6



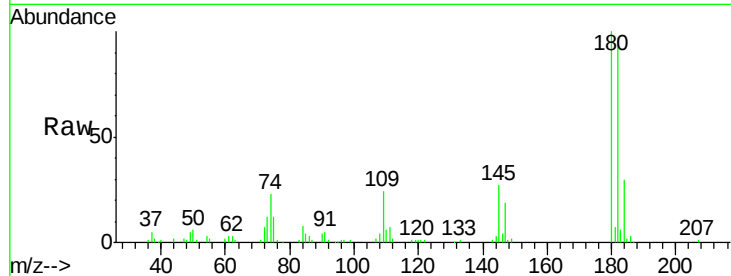
Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V
Ion 145.00 (144.70 to 145.70): V



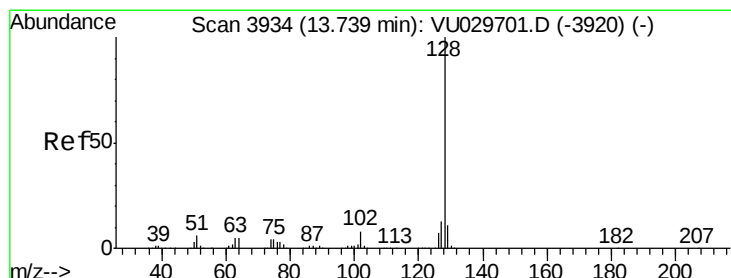
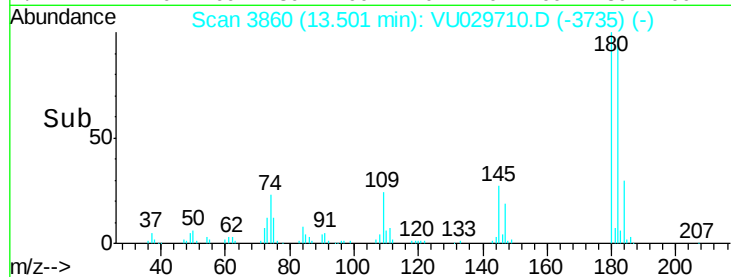
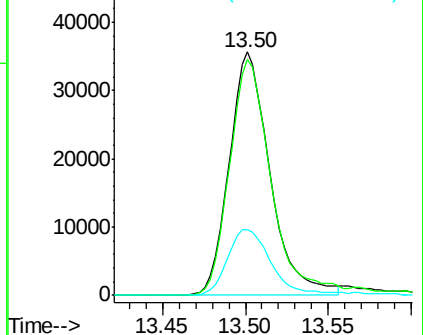


#68
 1,2,4-trichlorobenzene
 Concen: 571.864 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029710.D
 Acq: 27 Feb 2019 17:40

Tot Ion:180 Resp: 61050
 Ion Ratio Lower Upper
 180 100
 182 98.5 76.2 114.2
 145 28.4 22.7 34.1

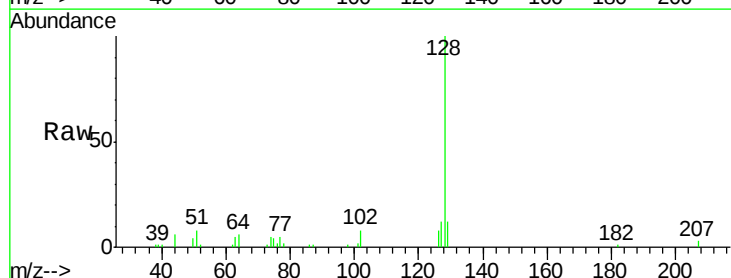


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

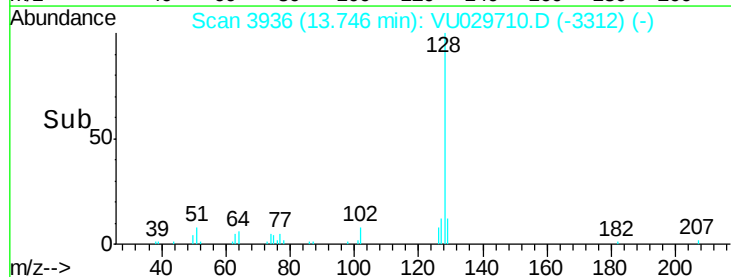
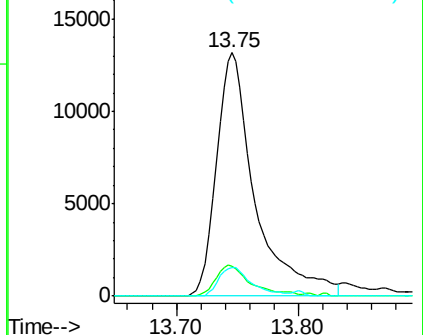


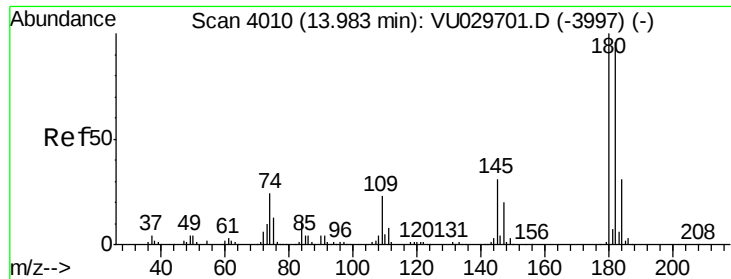
#69
 Naphthalene
 Concen: 88.850 ug/L
 RT: 13.75 min Scan# 3936
 Delta R.T. 0.01 min
 Lab File: VU029710.D
 Acq: 27 Feb 2019 17:40

Tgt Ion:128 Resp: 29155
 Ion Ratio Lower Upper
 128 100
 127 10.8 10.2 15.4
 129 9.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 429.142 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU029710.D
 Acq: 27 Feb 2019 17:40

Tot Ion:	180	Resp:	48651
Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.8	115.2
145	29.5	24.4	36.6

