

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 00:54:52 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

						Qvalue
2) Dichlorodifluoromethane	1.21	85	280	17.709	ug/L	89
3) Chloromethane	1.33	50	315	22.709	ug/L #	41
5) Vinyl chloride	1.40	62	419	22.242	ug/L #	1
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

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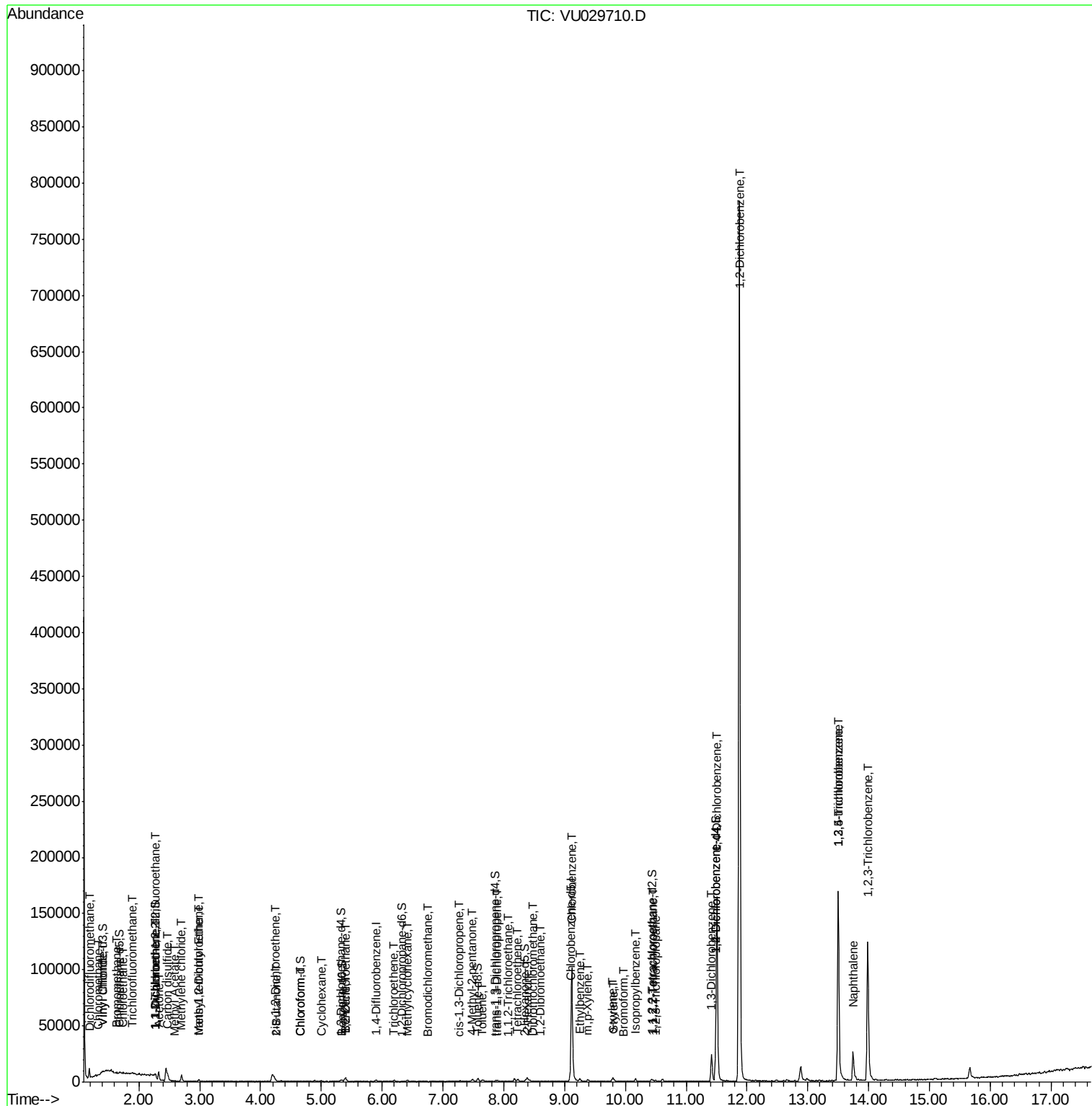
27) 1,2-Dichloroethane	5.41	62	50	2.392	ug/L #	73
29) Cyclohexane	5.01	56	254	7.825	ug/L #	34
33) Benzene	5.40	78	3965	47.149	ug/L	100
34) Trichloroethene	6.19	95	537	23.704	ug/L #	79
35) Methylcyclohexane	6.41	83	412	10.951	ug/L #	90
38) Bromodichloromethane	6.75	83	43	1.445	ug/L #	26
39) cis-1,3-Dichloropropene	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

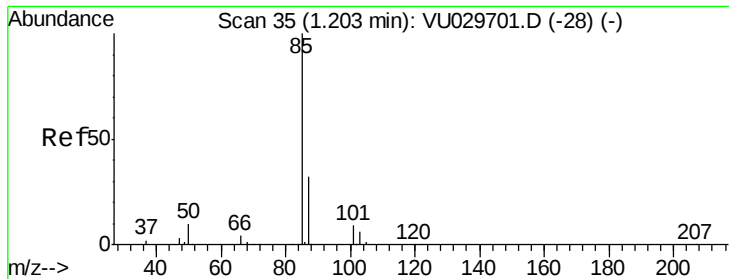
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 17.709 ug/L

RT: 1.21 min Scan# 37

Delta R.T. 0.01 min

Lab File: VU029710.D

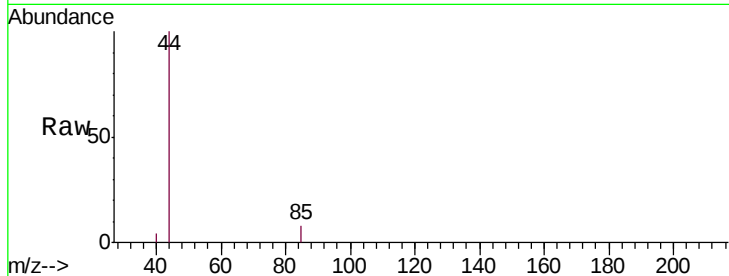
Acq: 27 Feb 2019 17:40

Tgt Ion: 85 Resp: 280

Ion Ratio Lower Upper

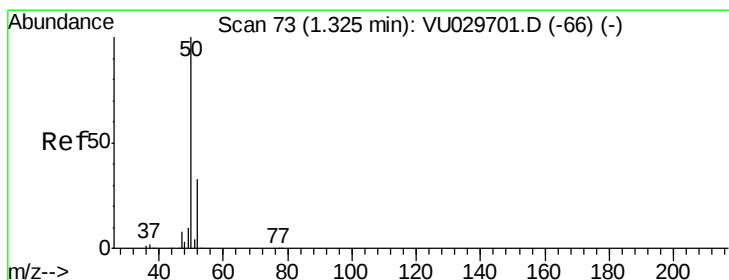
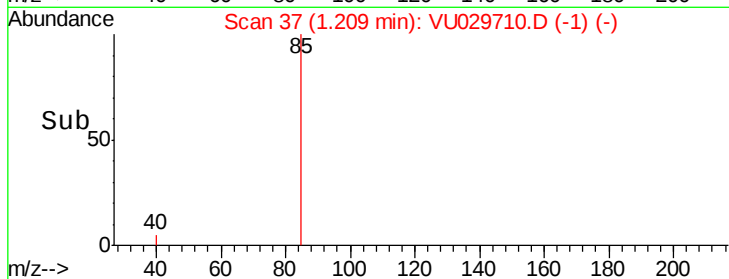
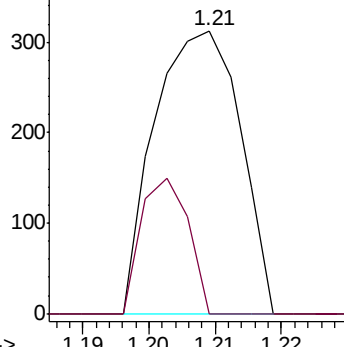
85 100

87 26.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 22.709 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029710.D

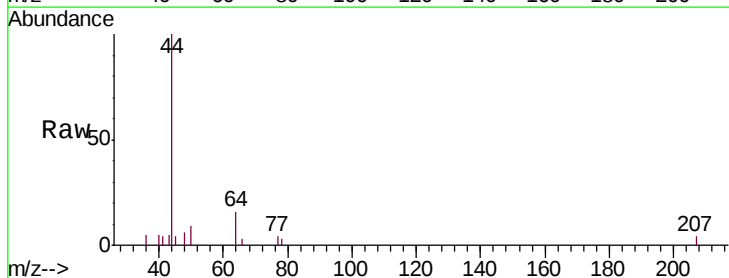
Acq: 27 Feb 2019 17:40

Tgt Ion: 50 Resp: 315

Ion Ratio Lower Upper

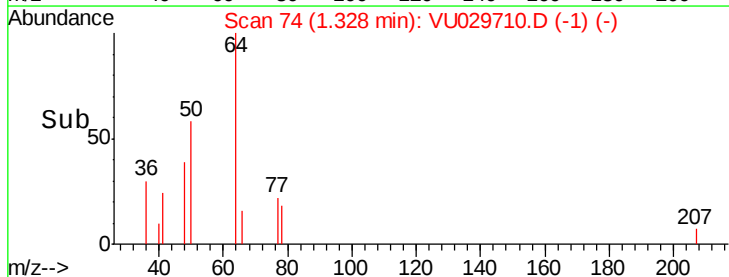
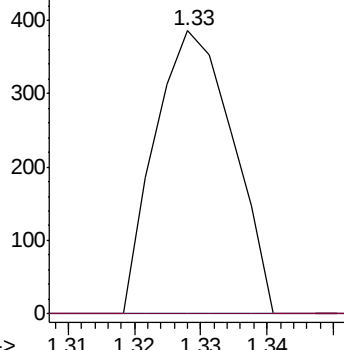
50 100

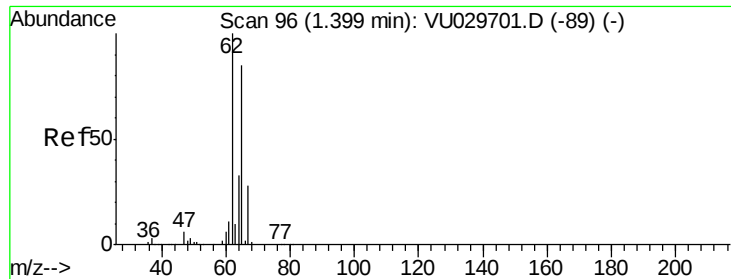
52 0.0 23.9 44.3#



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 22.242 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029710.D

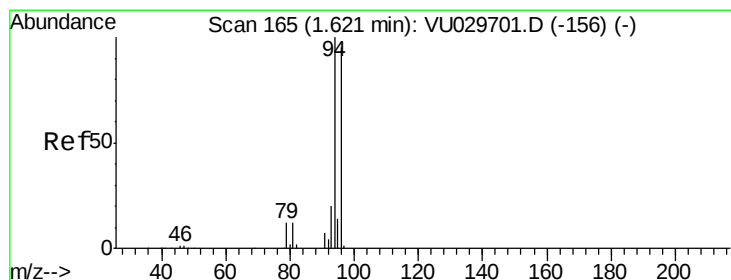
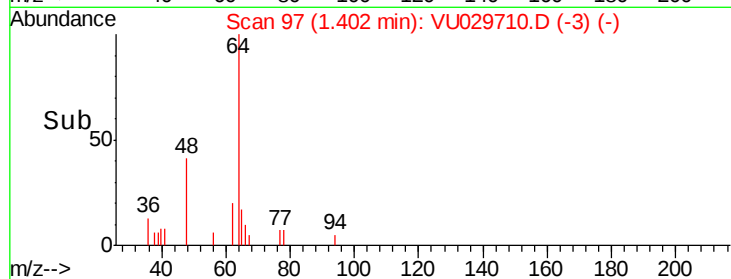
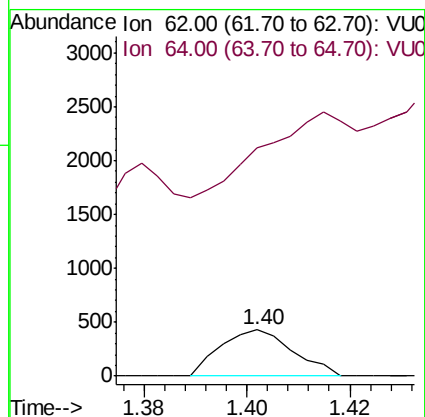
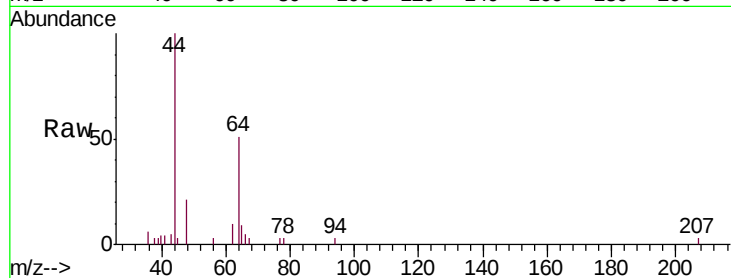
Acq: 27 Feb 2019 17:40

Tgt Ion: 62 Resp: 419

Ion Ratio Lower Upper

62 100

64 490.7 23.7 43.9#



#6

Bromomethane

Concen: 60.833 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU029710.D

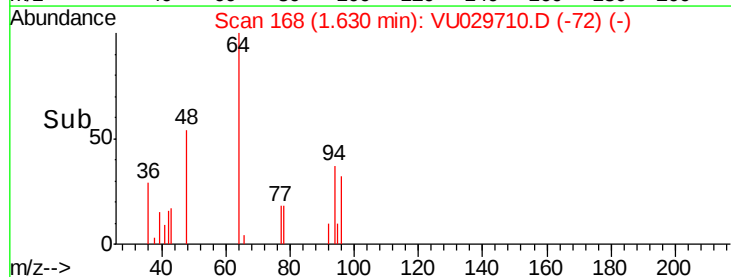
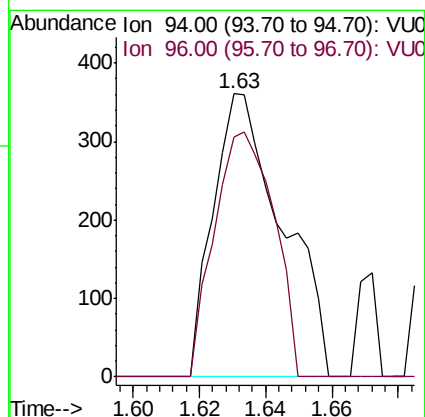
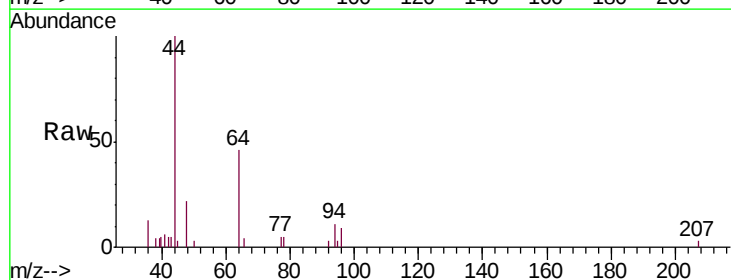
Acq: 27 Feb 2019 17:40

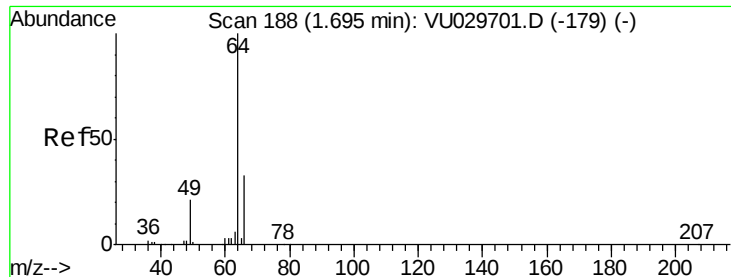
Tgt Ion: 94 Resp: 523

Ion Ratio Lower Upper

94 100

96 84.5 66.4 123.2





#8

Chloroethane

Concen: 17.798 ug/L

RT: 1.74 min Scan# 202

Delta R.T. 0.04 min

Lab File: VU029710.D

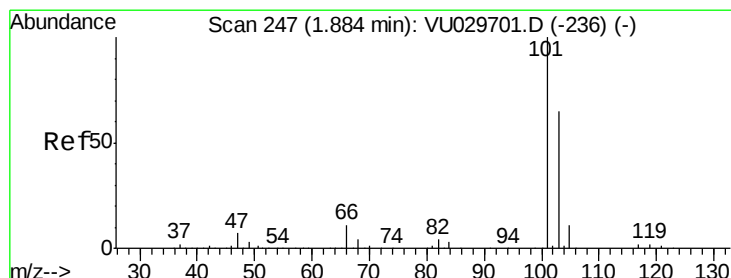
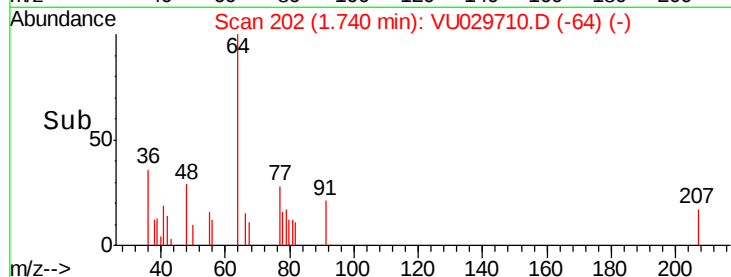
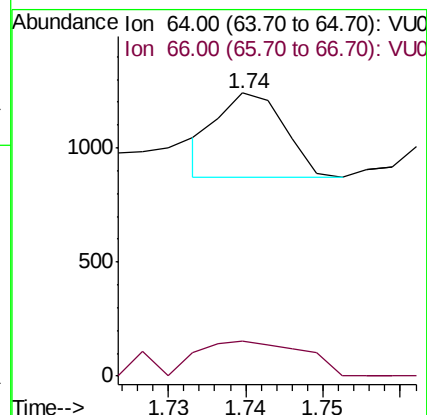
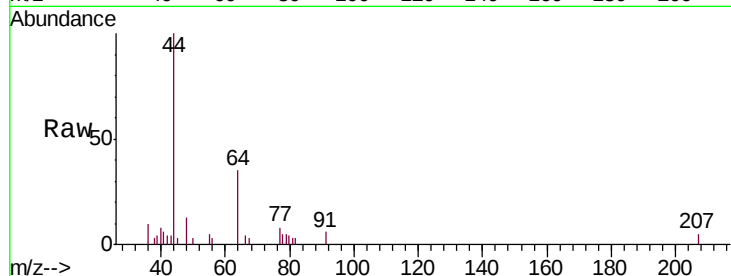
Acq: 27 Feb 2019 17:40

Tgt Ion: 64 Resp: 223

Ion Ratio Lower Upper

64 100

66 12.4 22.0 41.0#



#9

Trichlorofluoromethane

Concen: 9.890 ug/L

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU029710.D

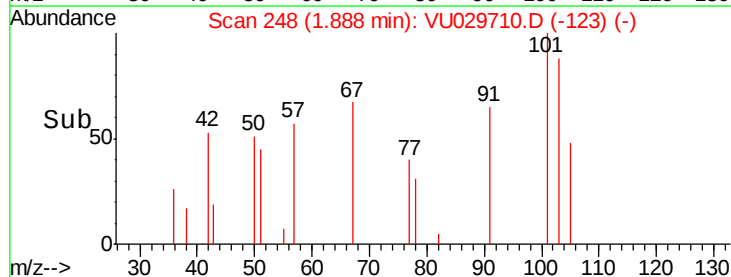
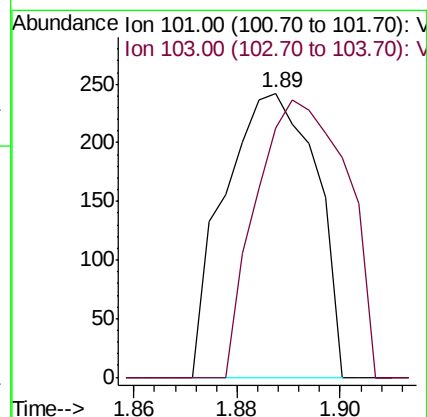
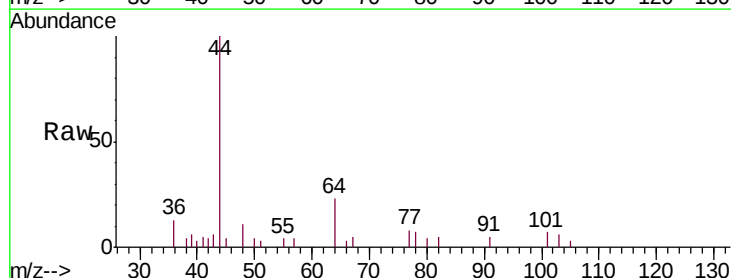
Acq: 27 Feb 2019 17:40

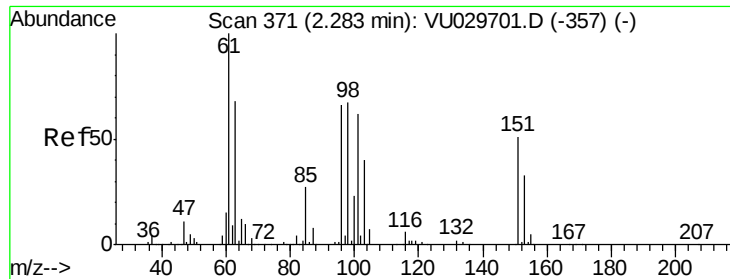
Tgt Ion: 101 Resp: 297

Ion Ratio Lower Upper

101 100

103 96.6 51.4 77.2#





#10

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

Concen: 14.506 ug/L

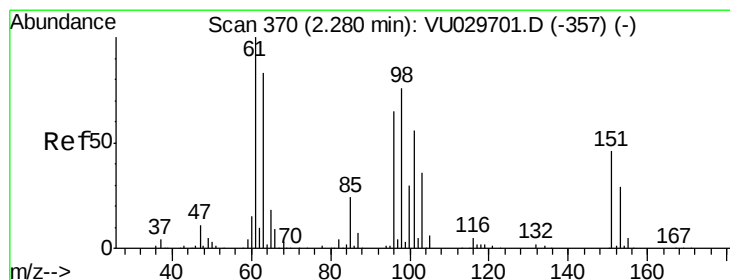
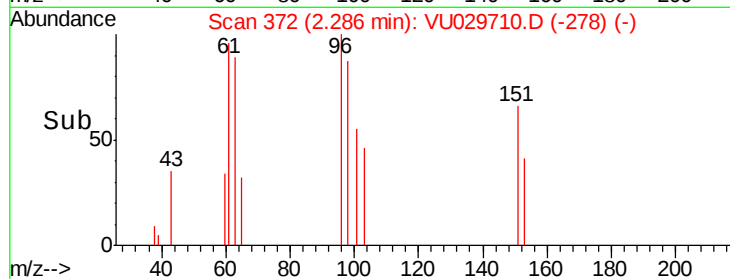
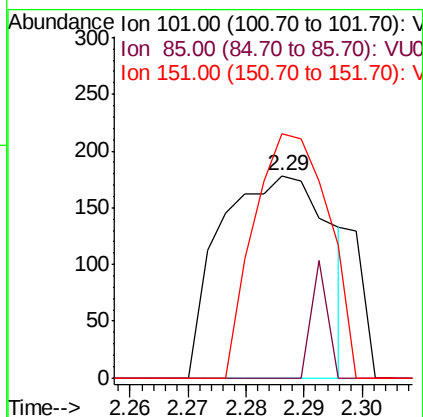
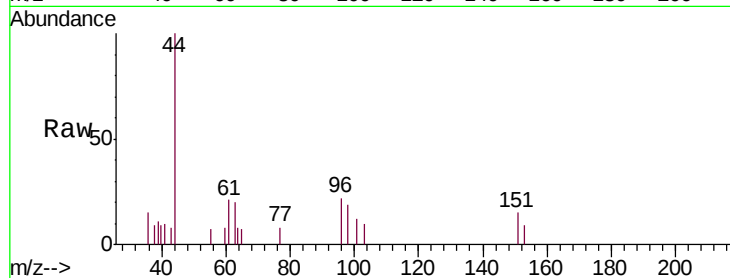
RT: 2.29 min Scan# 372

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



#12

1,1-Dichloroethene

Concen: 28.617 ug/L

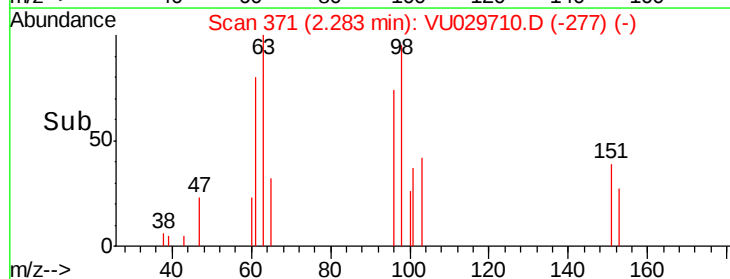
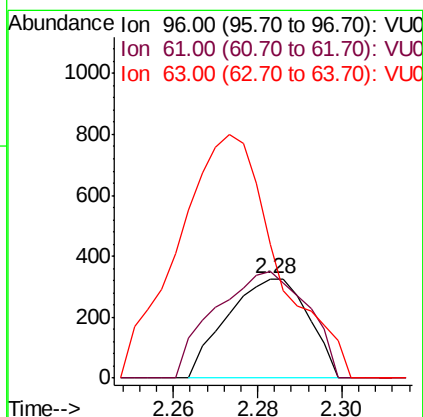
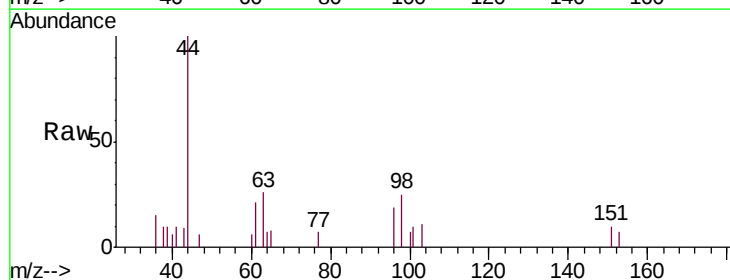
RT: 2.28 min Scan# 371

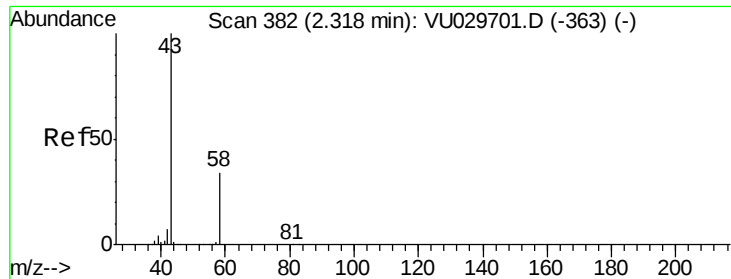
Delta R.T. 0.00 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

Tgt Ion:	96	Resp:	437
Ion	Ratio	Lower	Upper
96	100		
61	107.7	114.0	211.8#
63	134.8	98.7	183.3





#13

Acetone

Concen: 651.698 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU029710.D

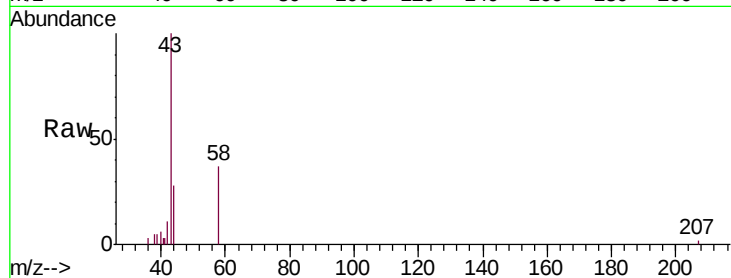
Acq: 27 Feb 2019 17:40

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): VU029710.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU029710.D (-363) (-)

2.32

4000

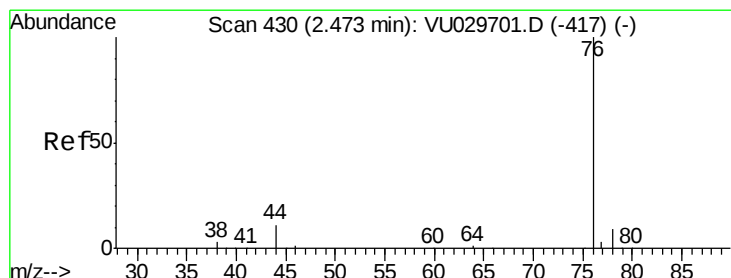
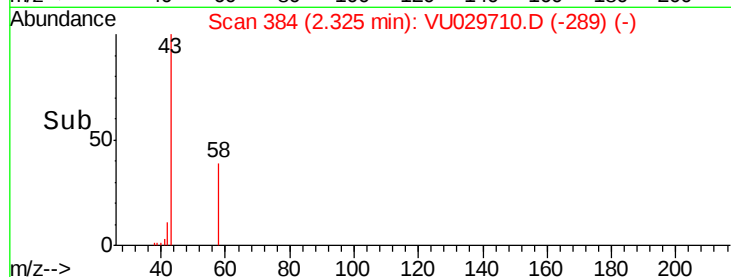
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#14

Carbon disulfide

Concen: 108.242 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029710.D

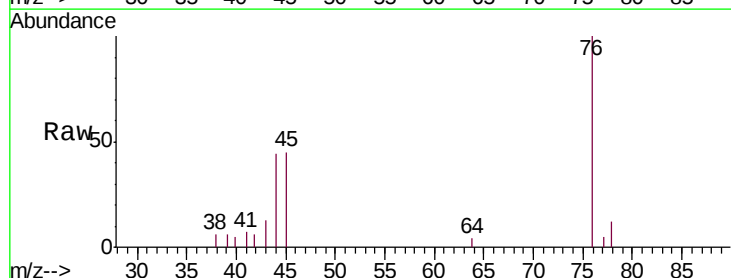
Acq: 27 Feb 2019 17:40

Tgt 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

3000

2500

2000

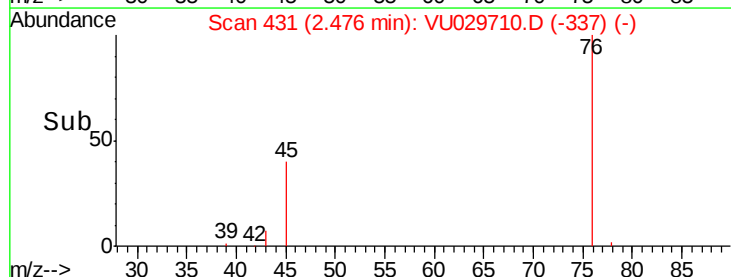
1500

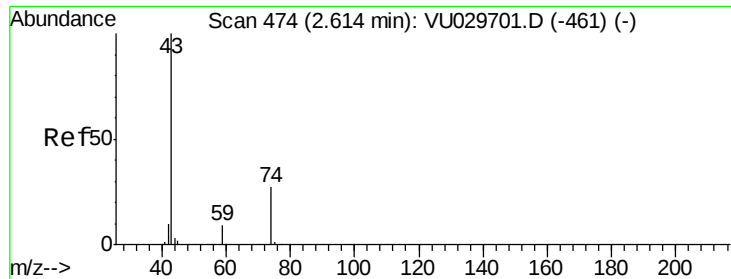
1000

500

0

Time--> 2.45 2.50





#15

Methyl Acetate

Concen: 3.085 ug/L

RT: 2.60 min Scan# 469

Delta R.T. -0.02 min

Lab File: VU029710.D

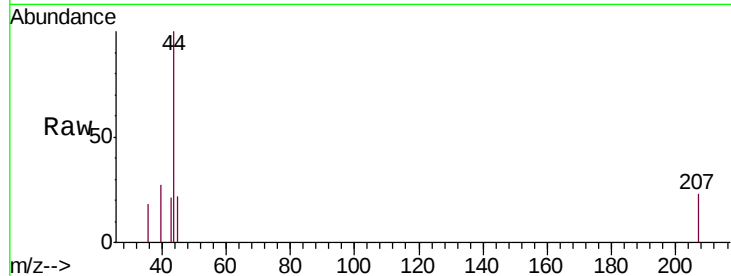
Acq: 27 Feb 2019 17:40

Tgt Ion: 43 Resp: 44

Ion Ratio Lower Upper

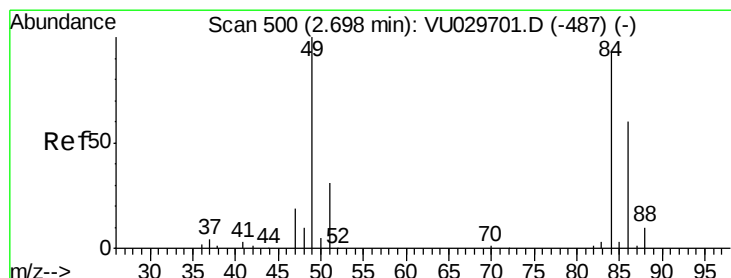
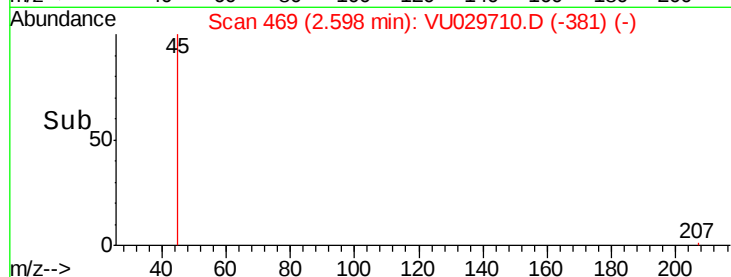
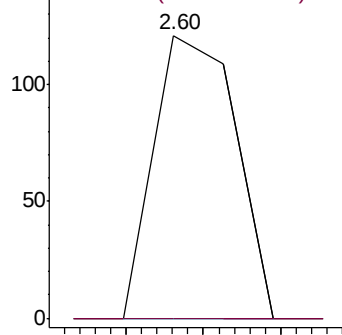
43 100

74 0.0 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#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

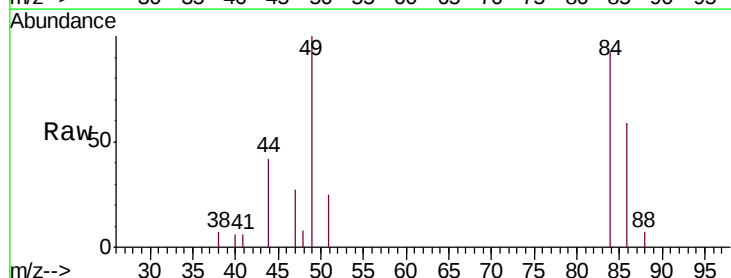
Tgt Ion: 84 Resp: 2472

Ion Ratio Lower Upper

84 100

86 63.9 45.8 85.0

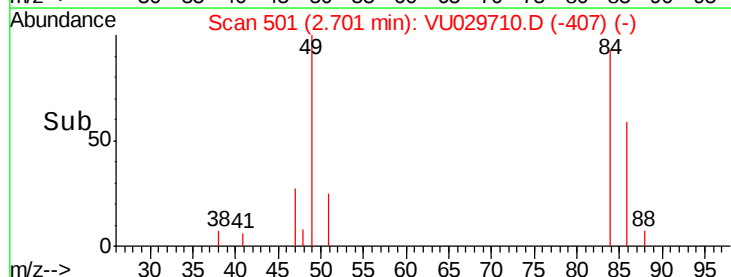
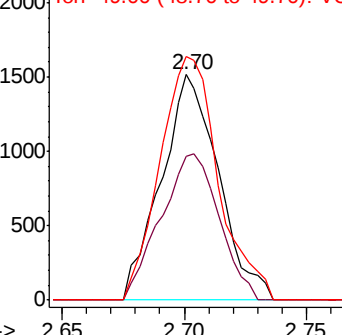
49 107.9 75.1 139.5

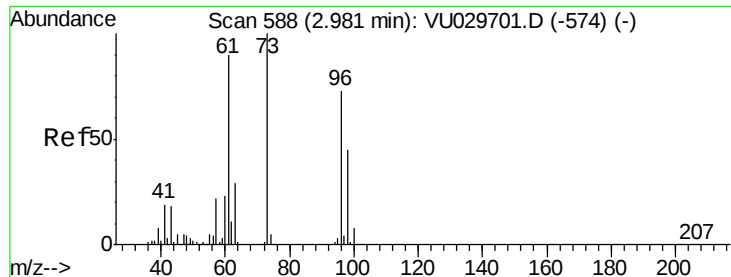


Abundance Ion 84.00 (83.70 to 84.70): VU0

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

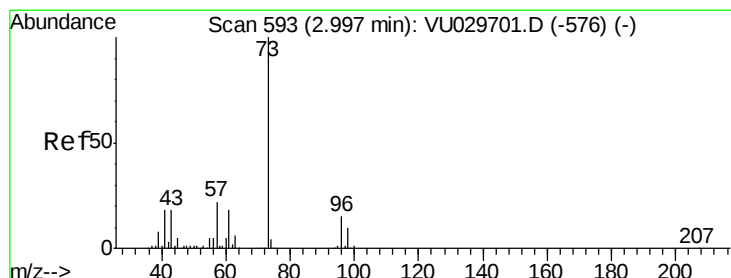
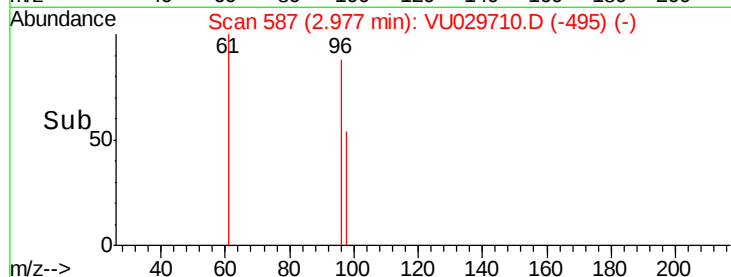
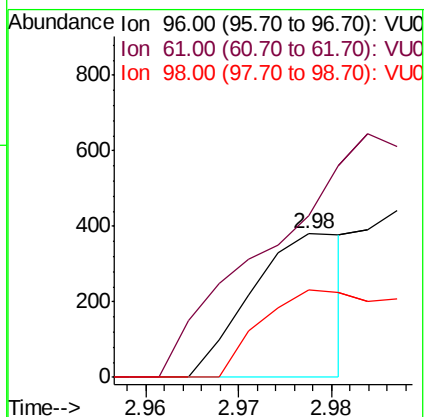
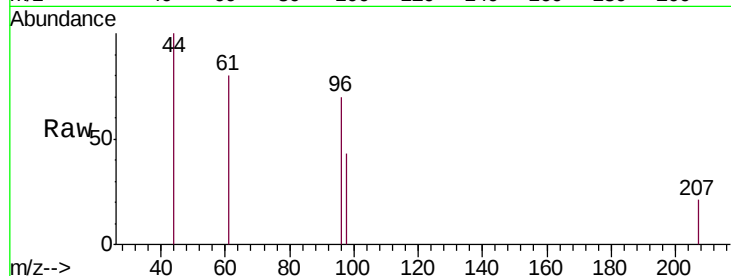
Tgt Ion: 96 Resp: 272

Ion Ratio Lower Upper

96 100

61 113.2 88.3 163.9

98 60.8 44.8 83.2



#18

Methyl tert-butyl 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

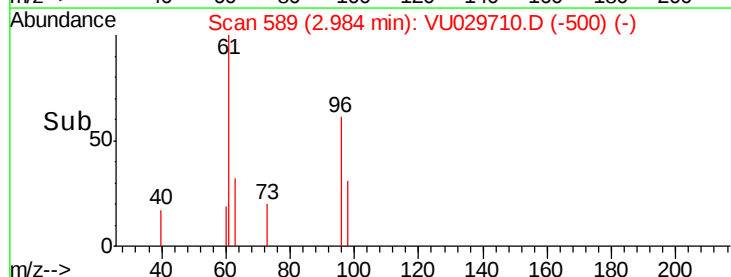
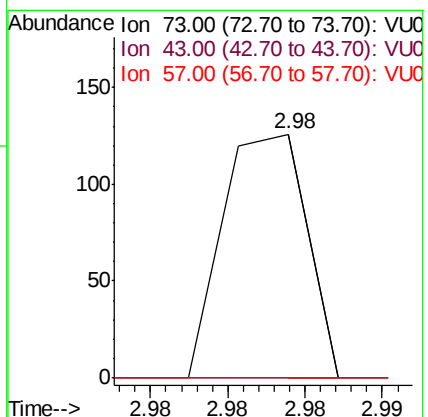
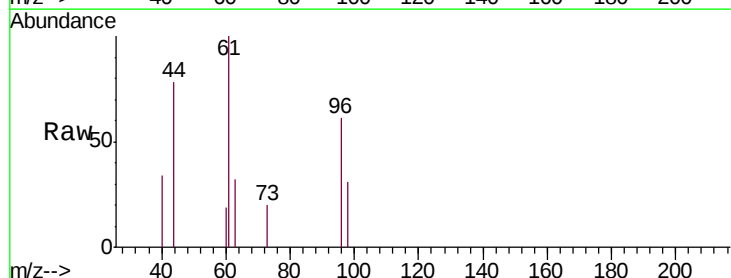
Tgt Ion: 73 Resp: 47

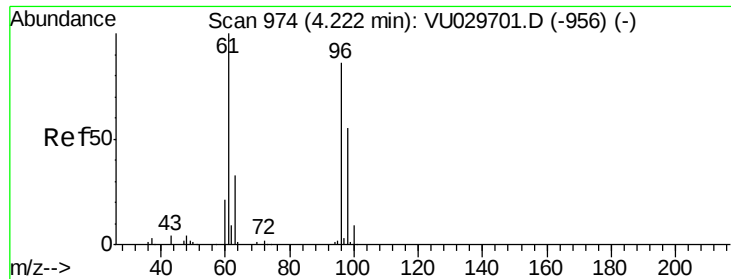
Ion Ratio Lower Upper

73 100

43 95.7 14.8 22.2#

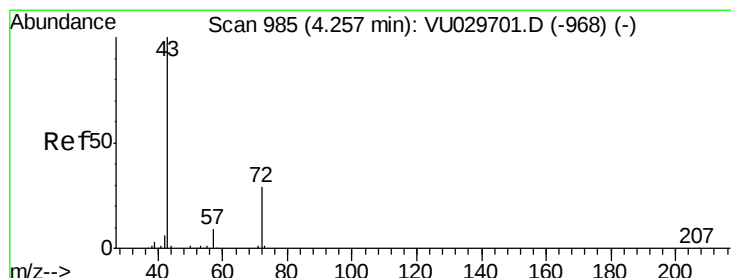
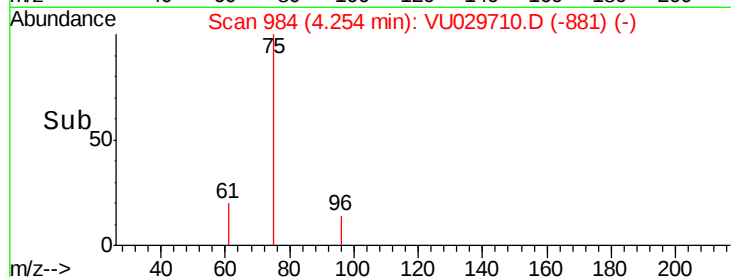
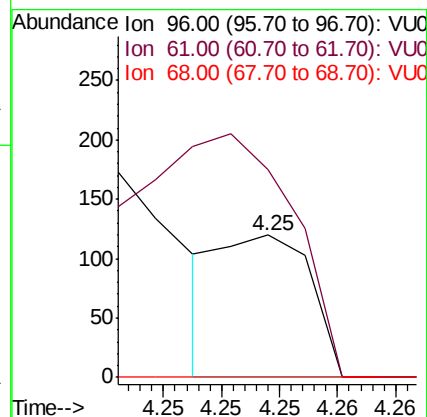
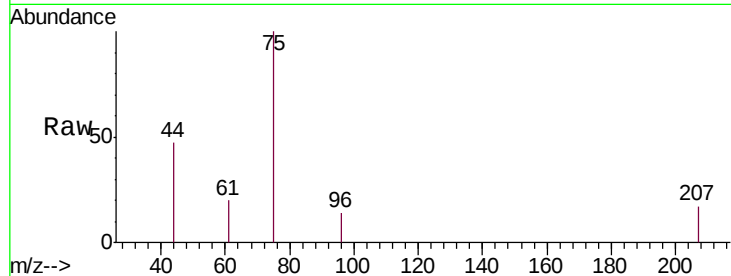
57 0.0 16.5 24.7#





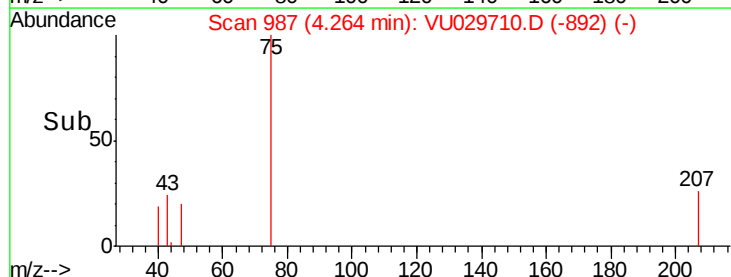
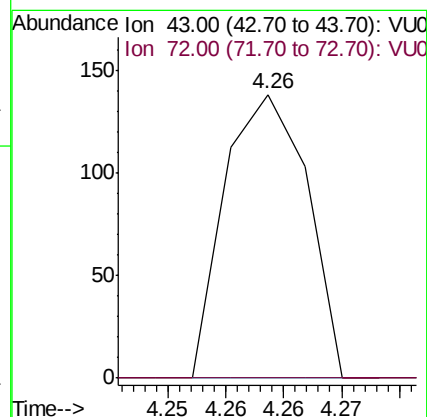
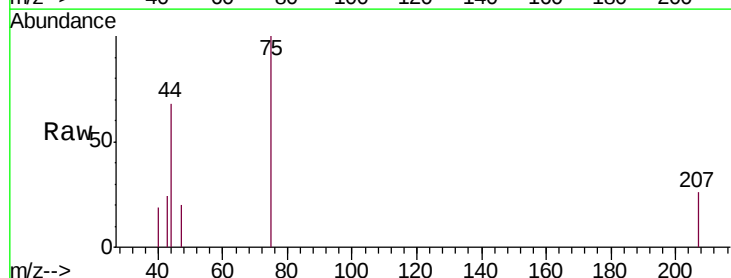
#20
 cis-1,2-Dichloroethene
 Concen: 3.908 ug/L
 RT: 4.25 min Scan# 984
 Delta R.T. 0.03 min
 Lab File: VU029710.D
 Acq: 27 Feb 2019 17:40

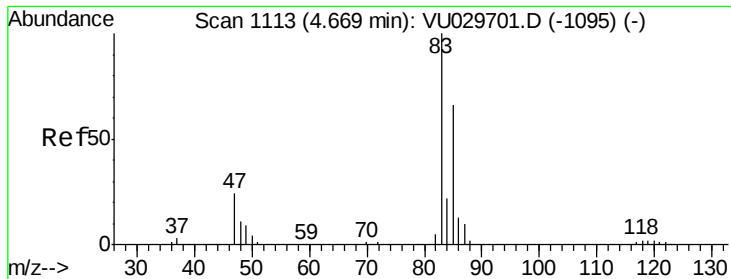
Tgt Ion: 96 Resp: 64
 Ion Ratio Lower Upper
 96 100
 61 145.8 83.9 155.7
 68 0.0 0.0 0.0



#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

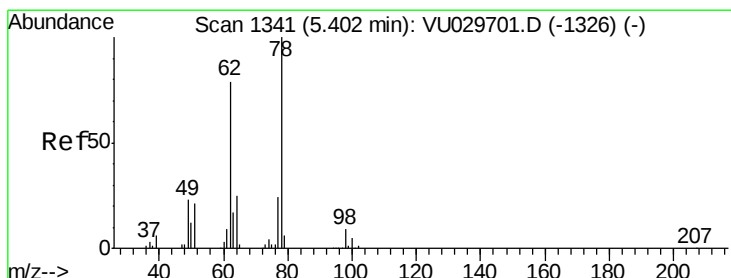
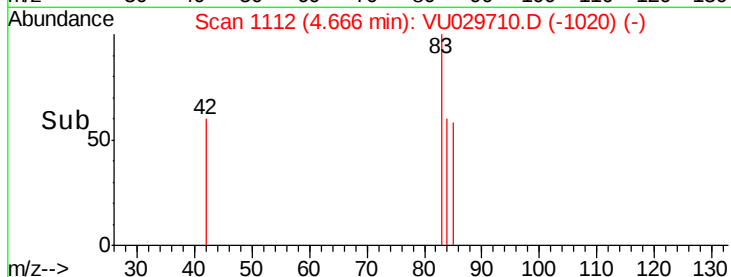
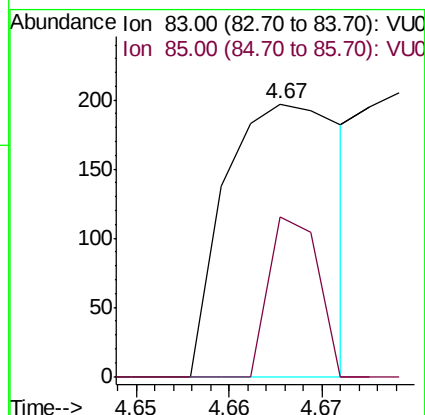
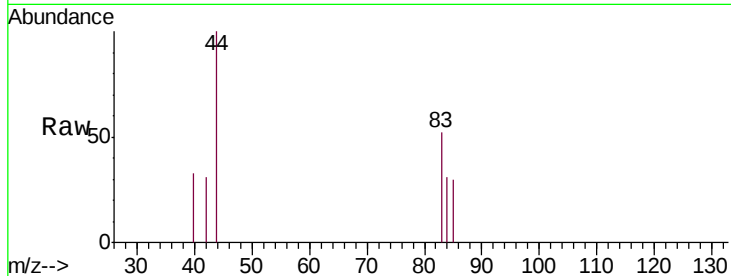
Tgt Ion: 43 Resp: 68
 Ion Ratio Lower Upper
 43 100
 72 0.0 15.2 45.6#





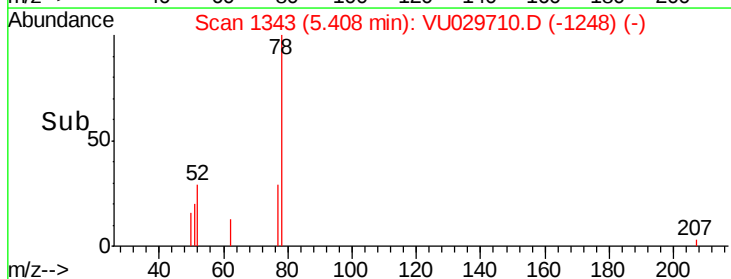
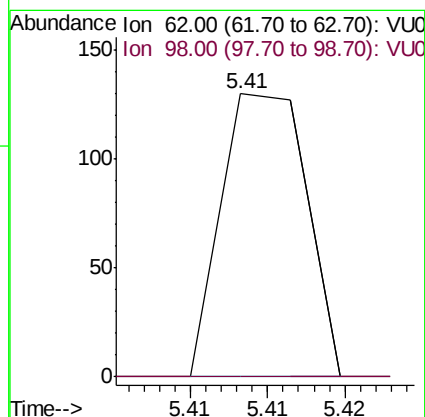
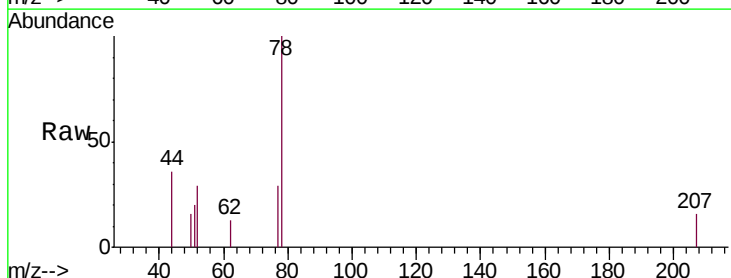
#25
Chloroform
Concen: 6.325 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU029710.D
Acq: 27 Feb 2019 17:40

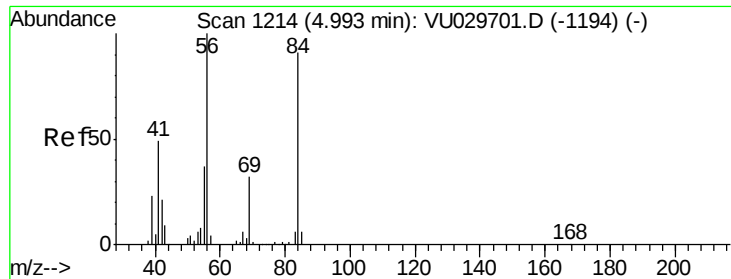
Tgt Ion: 83 Resp: 172
Ion Ratio Lower Upper
83 100
85 58.4 45.4 84.2



#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

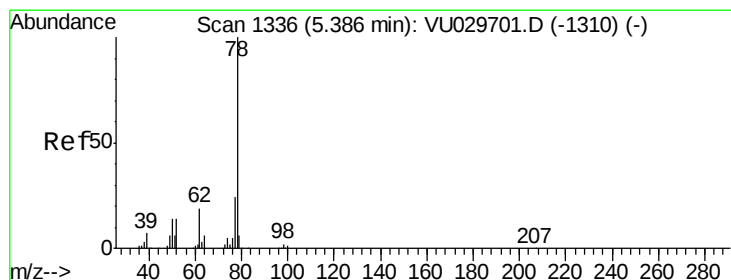
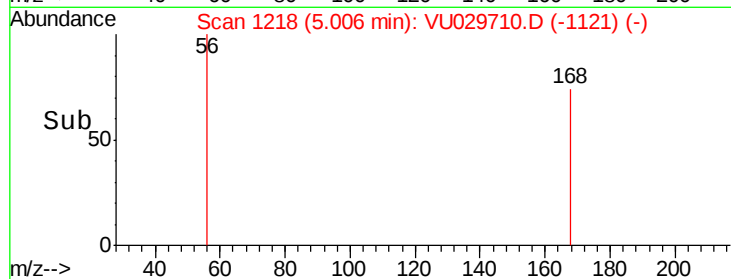
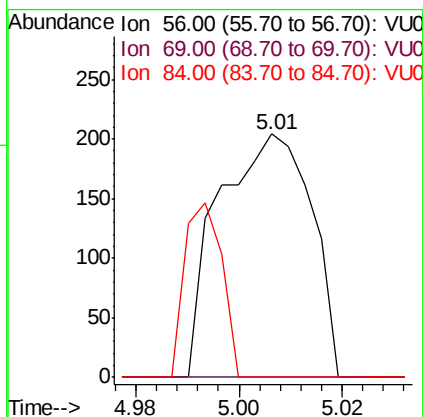
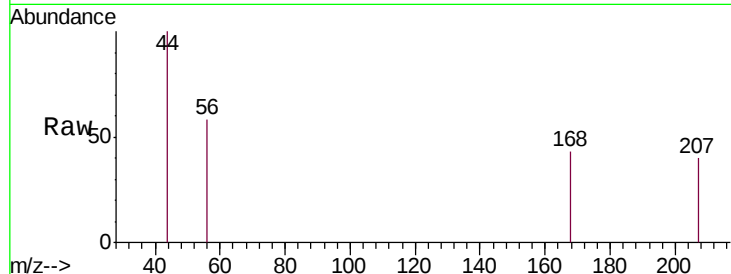
Tgt Ion: 62 Resp: 50
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#





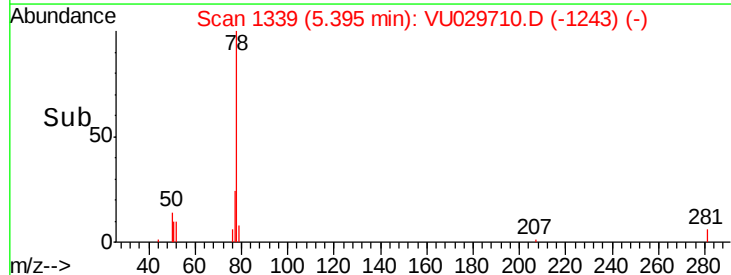
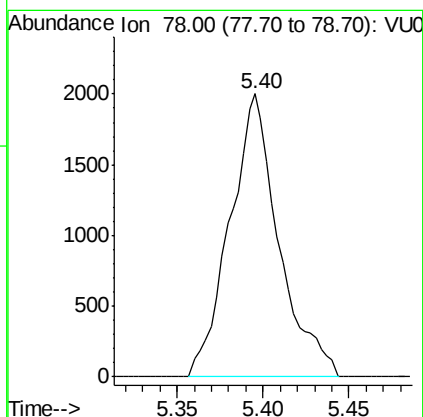
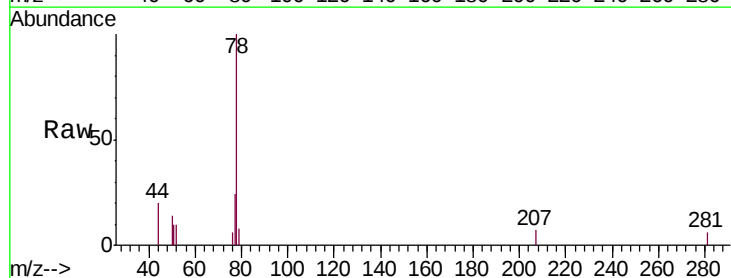
#29
Cyclohexane
Concen: 7.825 ug/L
RT: 5.01 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VU029710.D
Acq: 27 Feb 2019 17:40

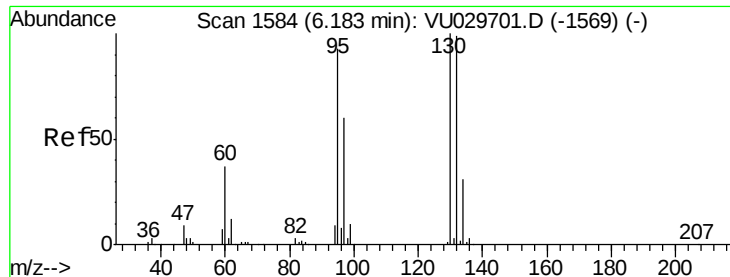
Tgt Ion: 56 Resp: 254
Ion Ratio Lower Upper
56 100
69 0.0 25.7 38.5#
84 28.7 77.1 115.7#



#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





#34

Trichloroethene

Concen: 23.704 ug/L

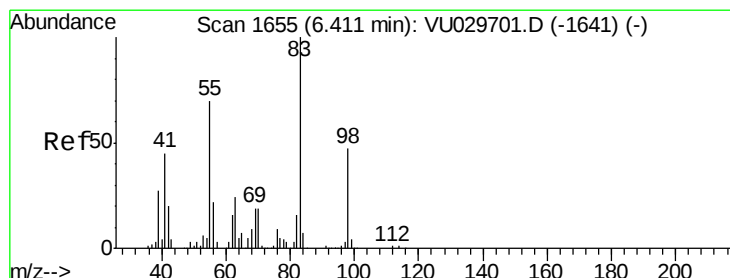
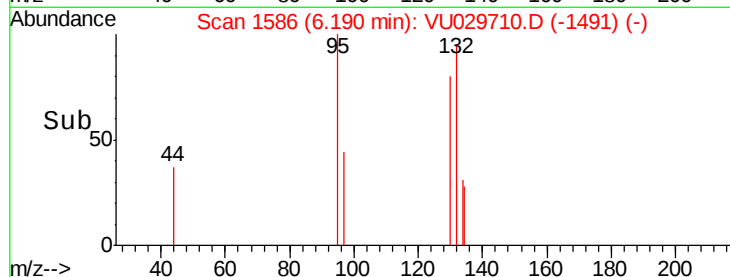
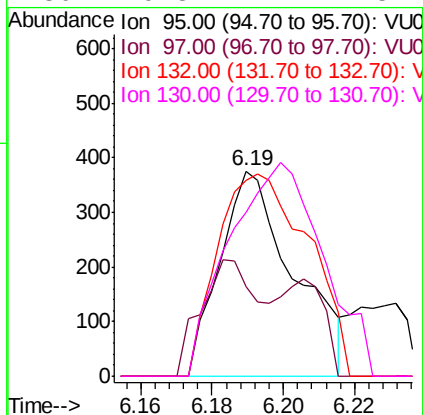
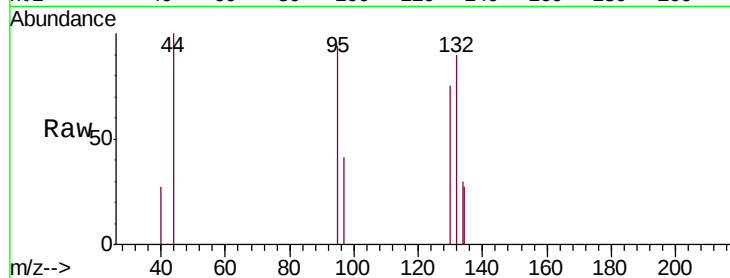
RT: 6.19 min Scan# 1586

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



#35

Methylcyclohexane

Concen: 10.951 ug/L

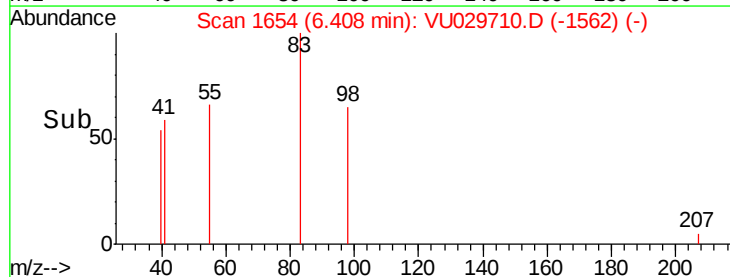
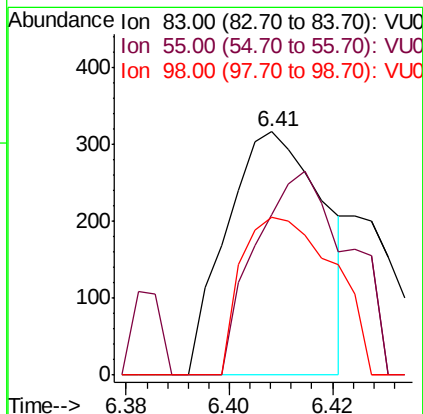
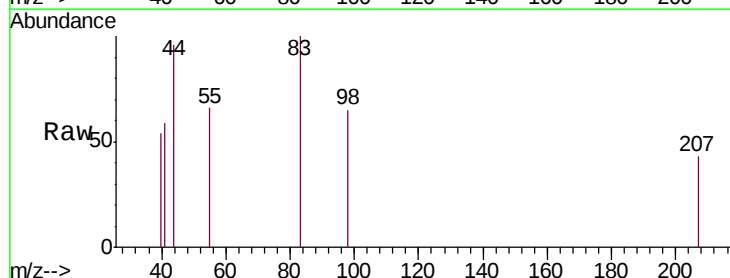
RT: 6.41 min Scan# 1654

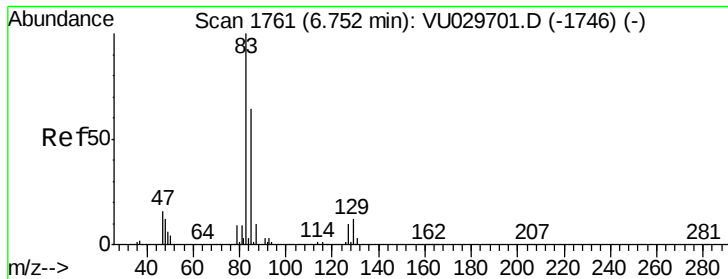
Delta R.T. -0.00 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

Tgt 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

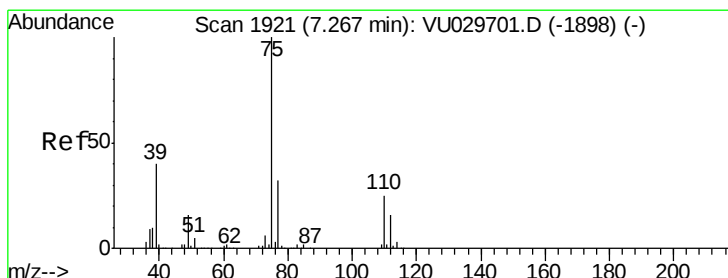
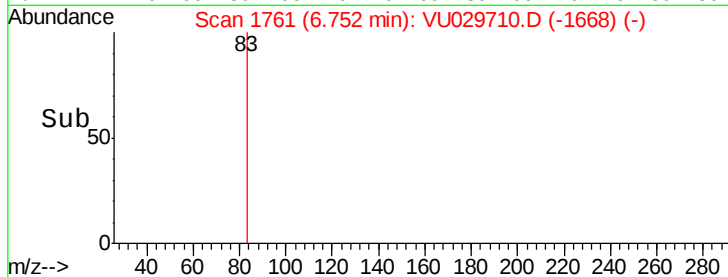
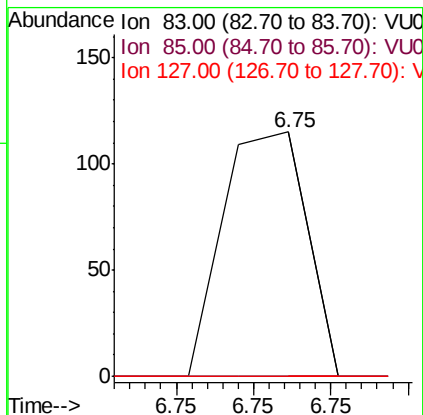
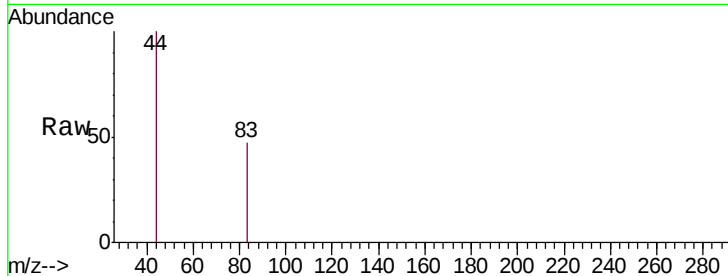
RT: 6.75 min Scan# 1761

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

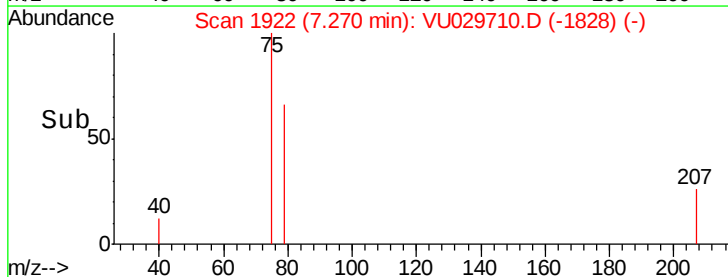
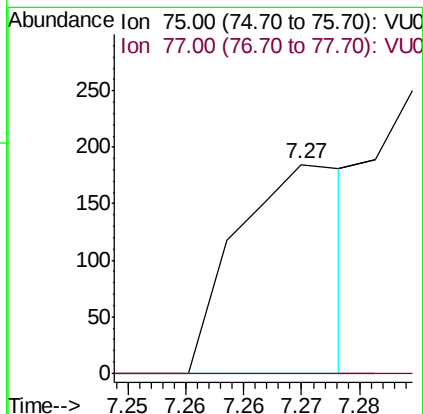
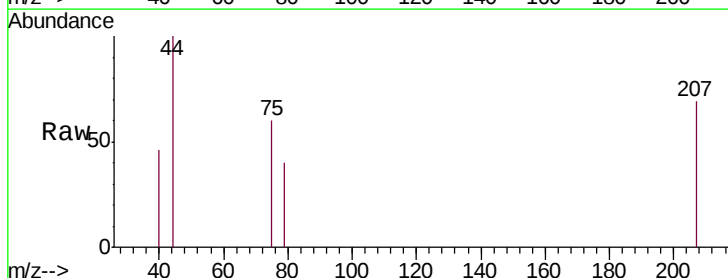
RT: 7.27 min Scan# 1922

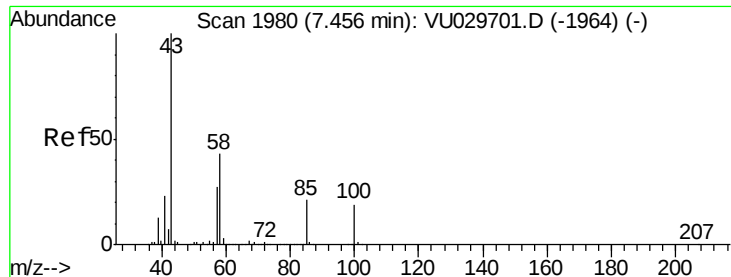
Delta R.T. 0.00 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

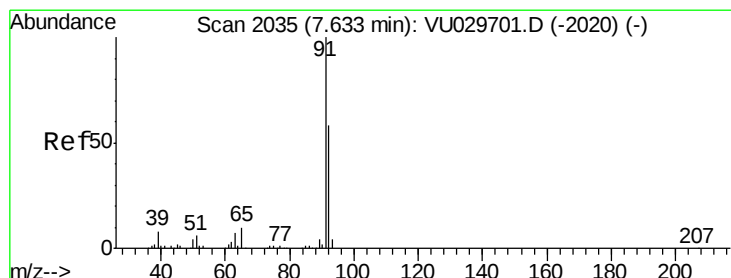
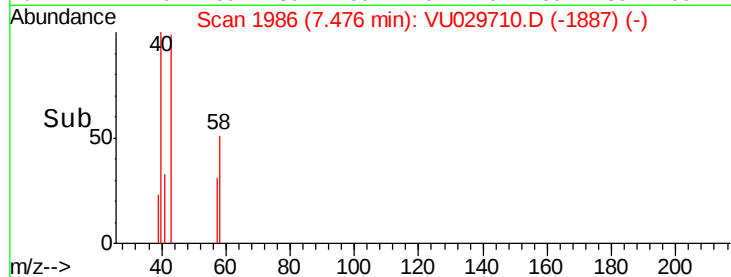
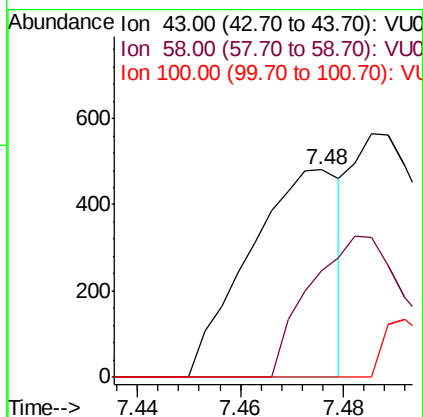
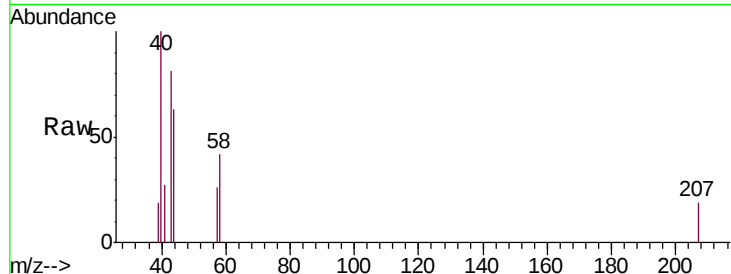
Tgt Ion:	75	Resp:	123
Ion	Ratio	Lower	Upper
75	100		
77	0.0	22.3	41.5#





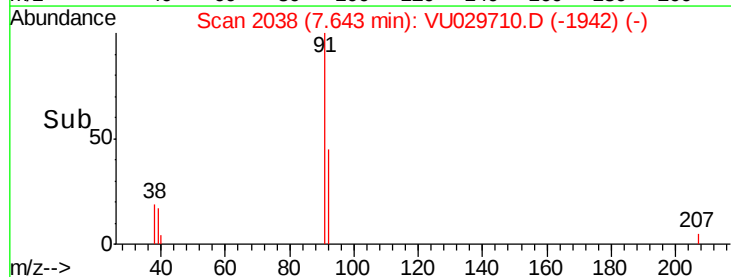
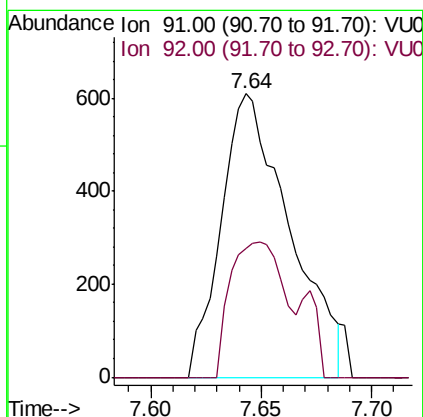
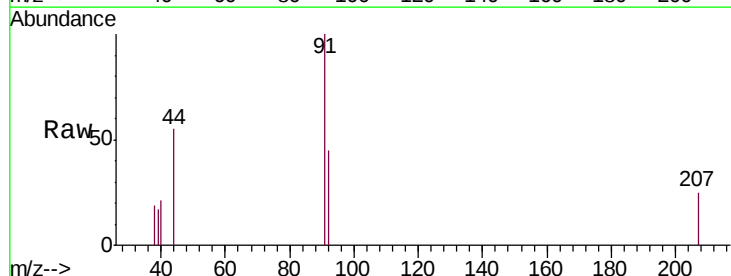
#40
 4-Methyl-2-pentanone
 Concen: 19.071 ug/L
 RT: 7.48 min Scan# 1986
 Delta R.T. 0.02 min
 Lab File: VU029710.D
 Acq: 27 Feb 2019 17:40

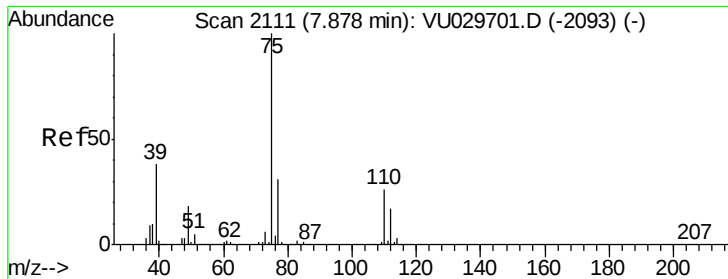
Tgt Ion: 43 Resp: 592
 Ion Ratio Lower Upper
 43 100
 58 0.0 33.0 49.4#
 100 0.0 14.5 21.7#



#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

Tgt Ion: 91 Resp: 1313
 Ion Ratio Lower Upper
 91 100
 92 45.4 40.8 75.8





#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

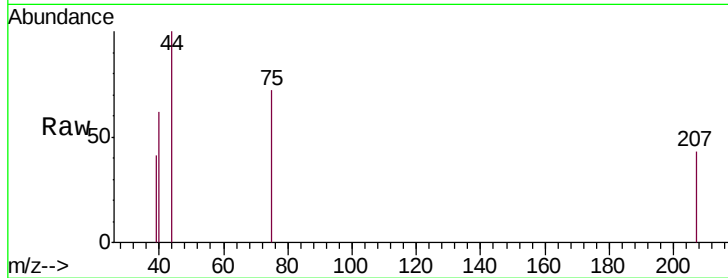
Acq: 27 Feb 2019 17:40

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): VU029710.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU029710.D (-2093) (-)

7.89

300

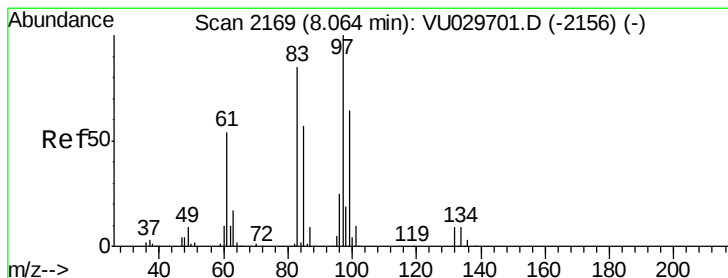
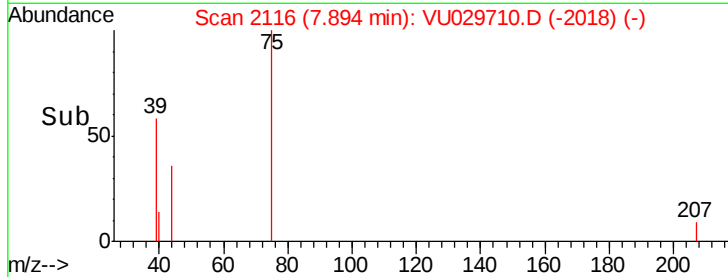
200

100

0

7.88 7.90 7.92

Time-->



#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

Tgt Ion: 97 Resp: 87

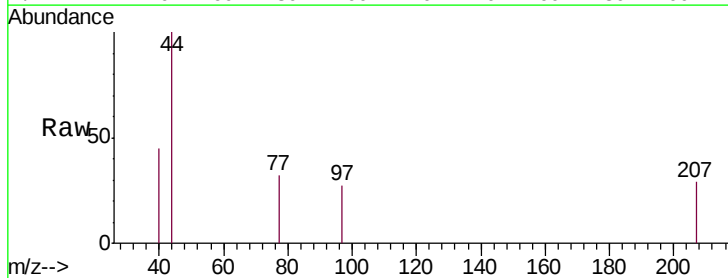
Ion Ratio Lower Upper

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 (-2156) (-)

Ion 99.00 (98.70 to 99.70): VU029710.D (-2156) (-)

Ion 83.00 (82.70 to 83.70): VU029710.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU029710.D (-2156) (-)

8.08

150

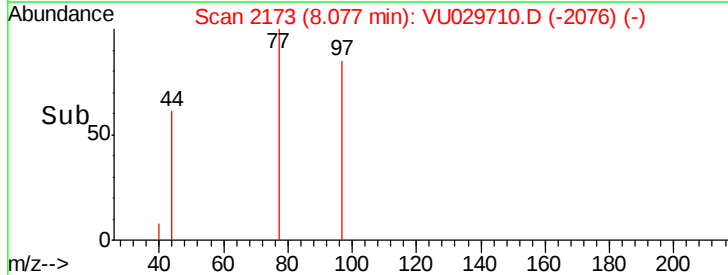
100

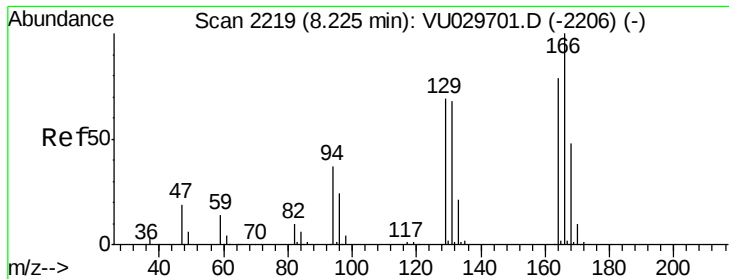
50

0

8.07 8.08 8.09

Time-->





#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

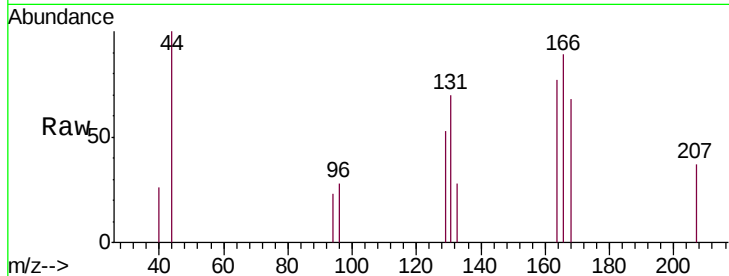
Ion Ratio Lower Upper

164 100

129 68.5 62.1 115.3

131 90.3 60.1 111.5

166 115.2 89.7 166.5

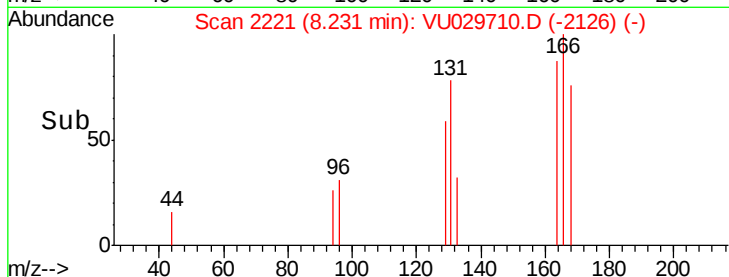
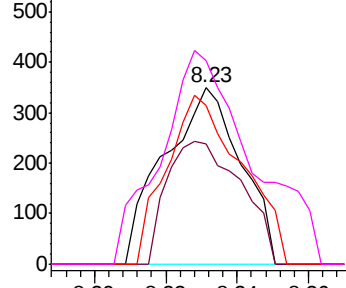


Abundance Ion 164.00 (163.70 to 164.70): V

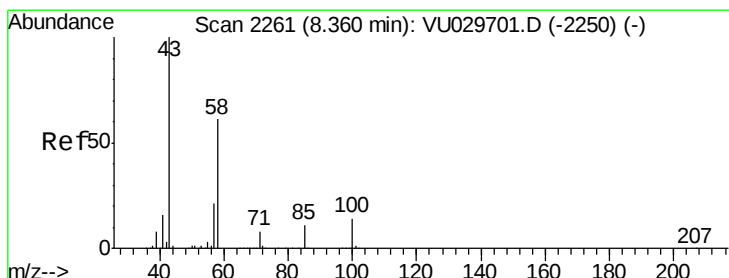
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->



#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

Tgt Ion: 43 Resp: 2170

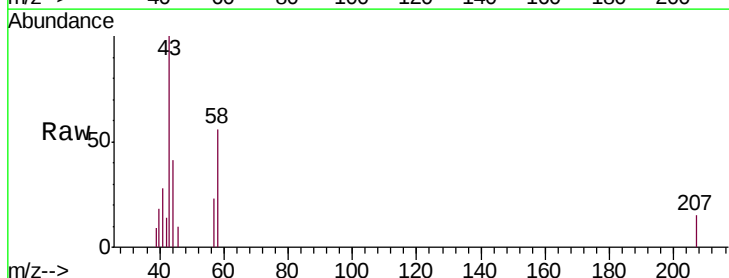
Ion Ratio Lower Upper

43 100

58 53.9 46.4 69.6

57 20.0 15.7 23.5

100 5.3 10.9 16.3#

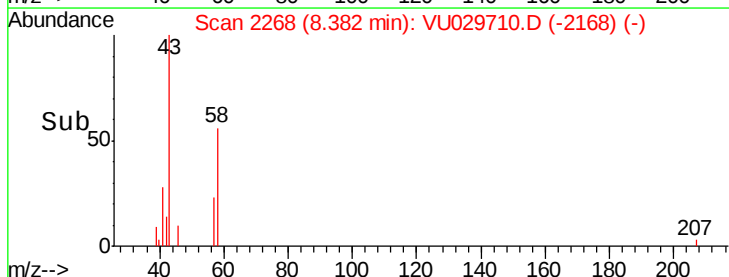
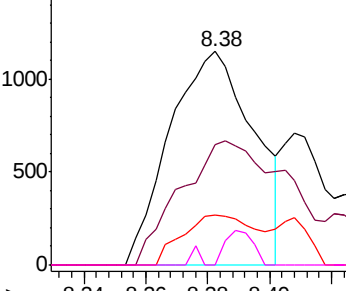


Abundance Ion 43.00 (42.70 to 43.70): VU0

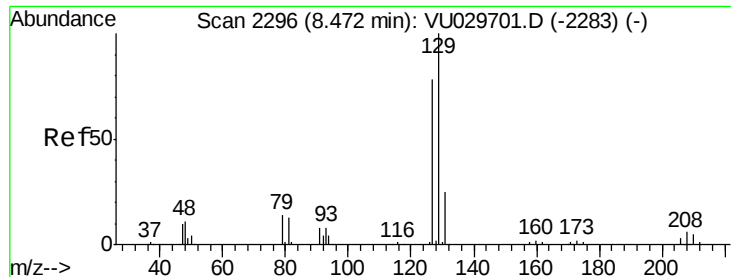
Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



Time-->



#49

Dibromochloromethane

Concen: 1.472 ug/L

RT: 8.49 min Scan# 2301

Delta R.T. 0.02 min

Lab File: VU029710.D

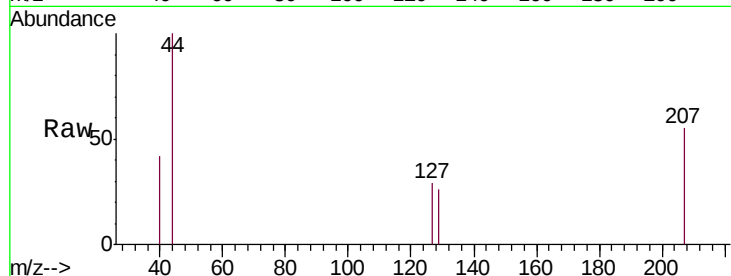
Acq: 27 Feb 2019 17:40

Tgt Ion:129 Resp: 42

Ion Ratio Lower Upper

129 100

127 113.3 54.4 101.0#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

200

150

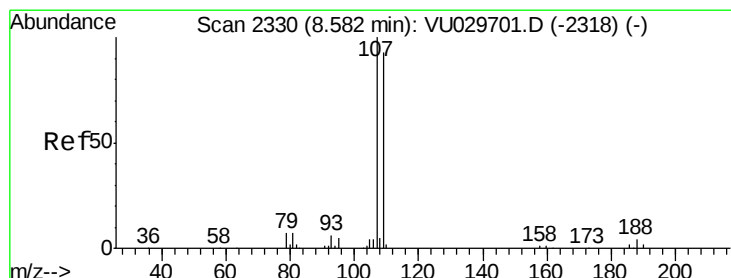
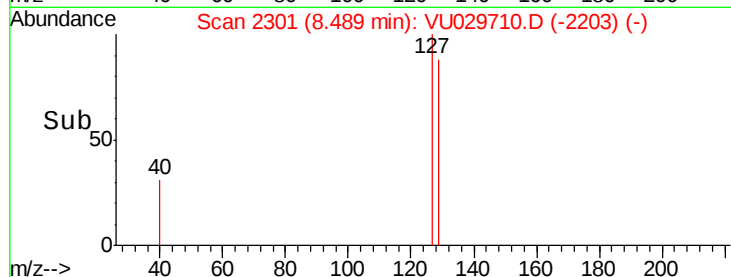
100

50

0

8.48 8.48 8.49 8.49

Time-->



#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

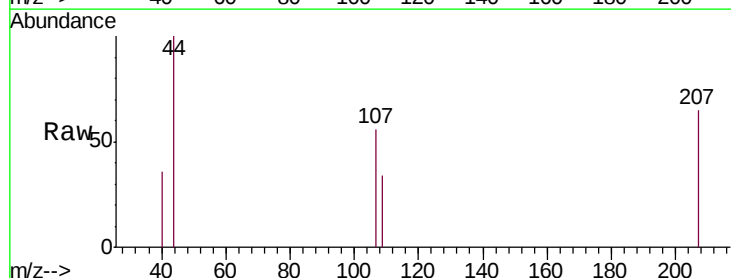
Tgt Ion:107 Resp: 292

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

300

250

200

150

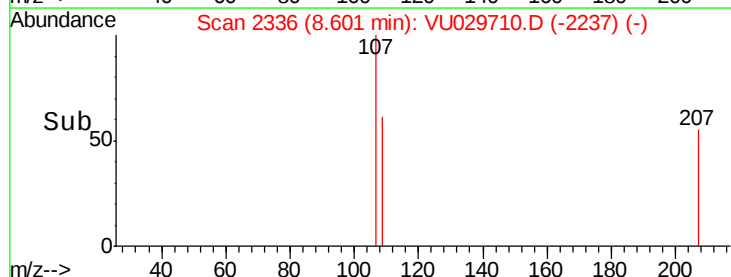
100

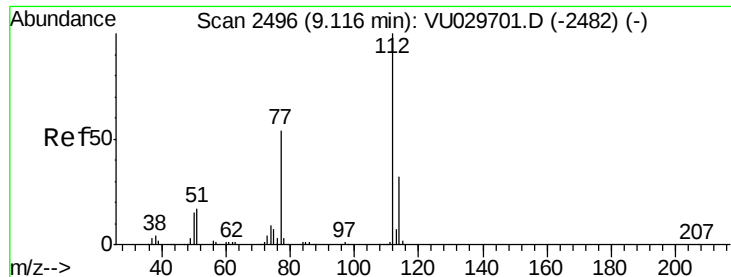
50

0

8.58 8.60 8.62

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

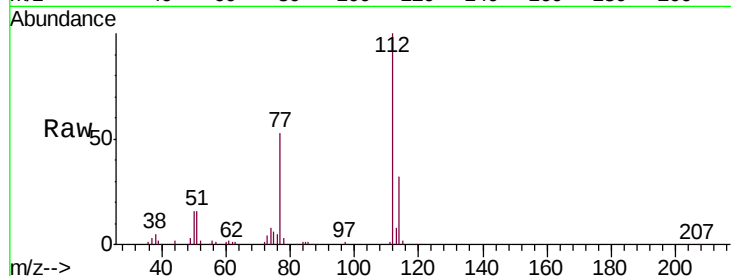
Tgt Ion: 112 Resp: 62027

Ion Ratio Lower Upper

112 100

114 31.6 22.7 42.1

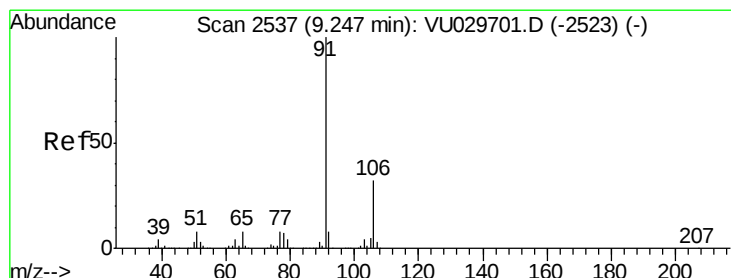
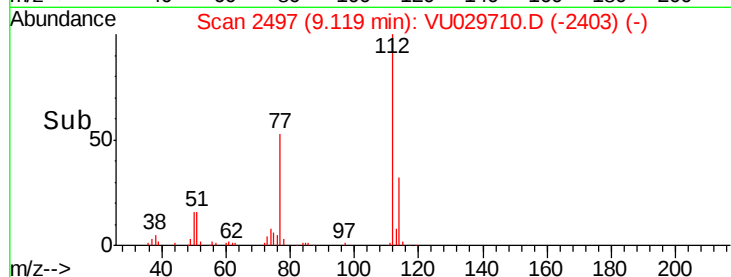
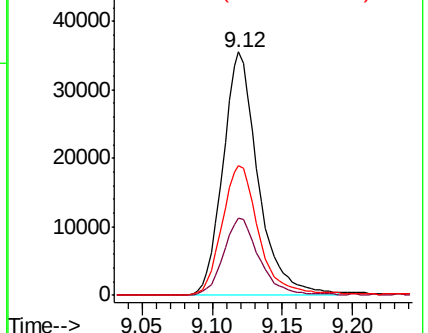
77 53.5 42.1 63.1



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): VU



#52

Ethylbenzene

Concen: 19.620 ug/L

RT: 9.25 min Scan# 2539

Delta R.T. 0.01 min

Lab File: VU029710.D

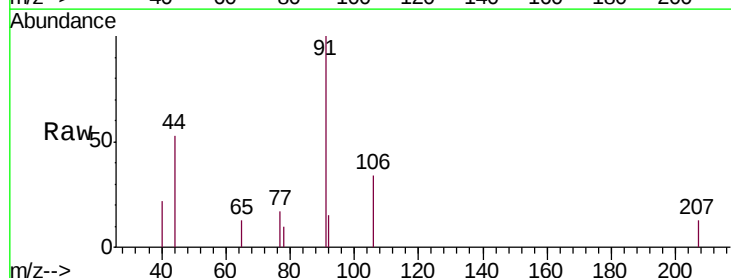
Acq: 27 Feb 2019 17:40

Tgt Ion: 91 Resp: 2216

Ion Ratio Lower Upper

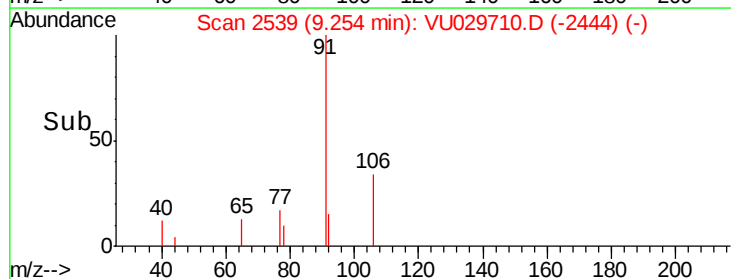
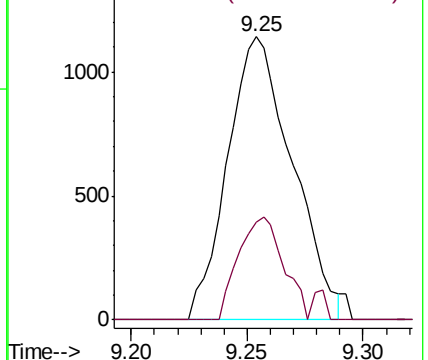
91 100

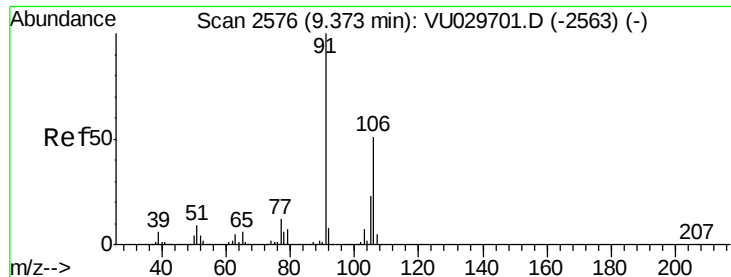
106 34.4 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VU

Ion 106.00 (105.70 to 106.70): V





#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

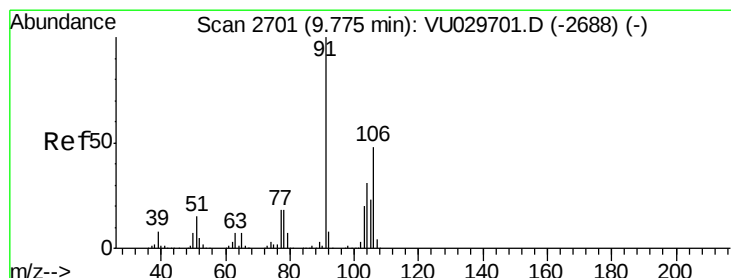
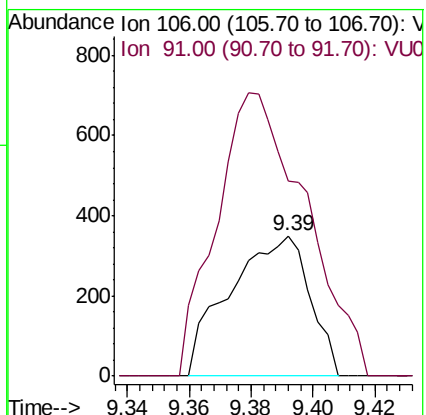
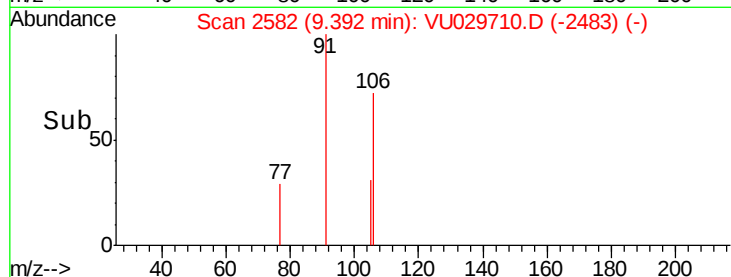
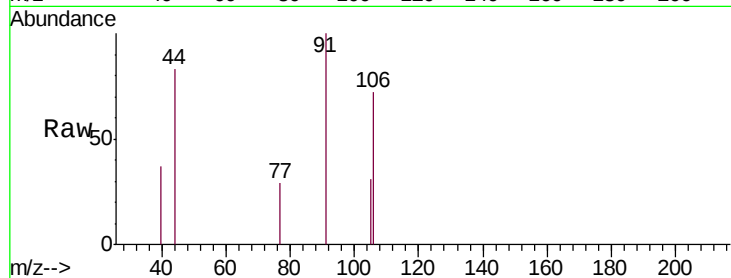
Acq: 27 Feb 2019 17:40

Tgt Ion:106 Resp: 629

Ion Ratio Lower Upper

106 100

91 139.4 135.3 251.3



#54

o-xylene

Concen: 3.755 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU029710.D

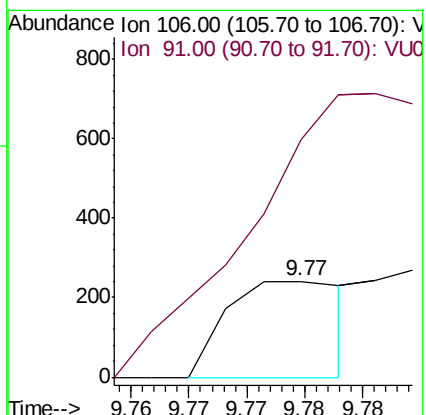
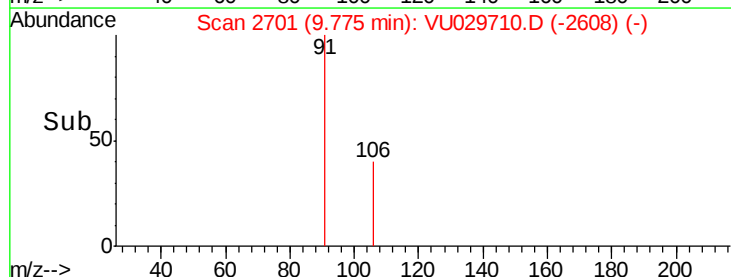
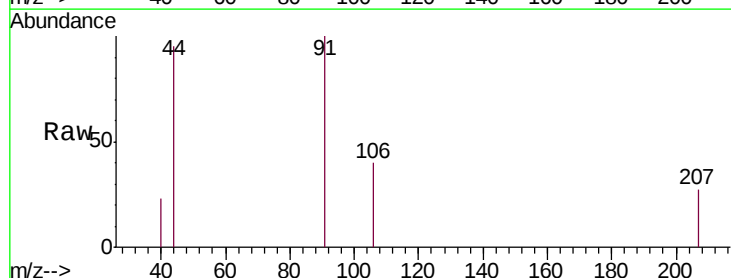
Acq: 27 Feb 2019 17:40

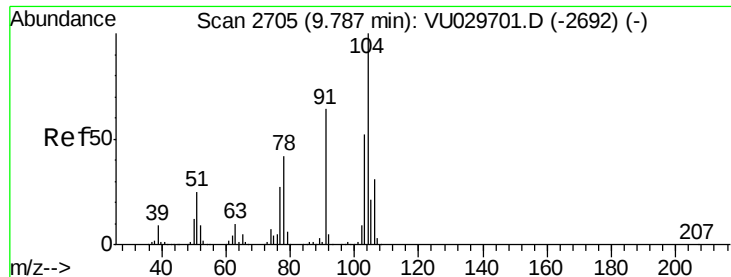
Tgt Ion:106 Resp: 171

Ion Ratio Lower Upper

106 100

91 248.1 144.5 268.3





#55

Styrene

Concen: 22.268 ug/L

RT: 9.80 min Scan# 2709

Delta R.T. 0.01 min

Lab File: VU029710.D

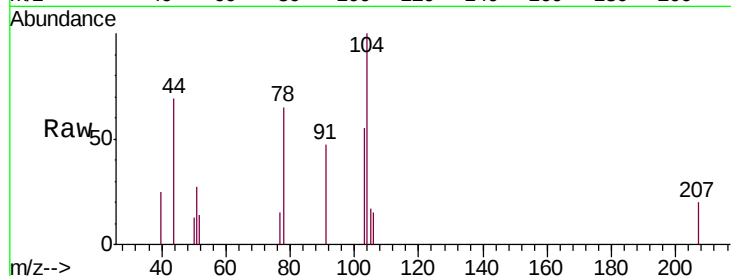
Acq: 27 Feb 2019 17:40

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

9.80

800

600

400

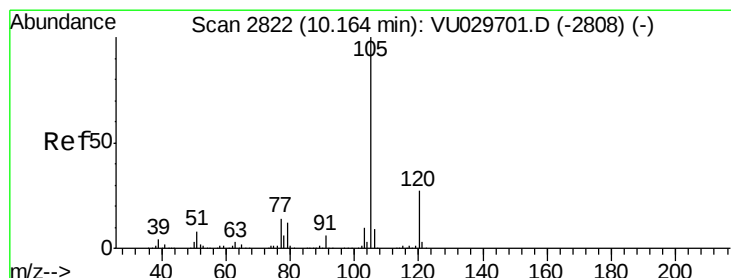
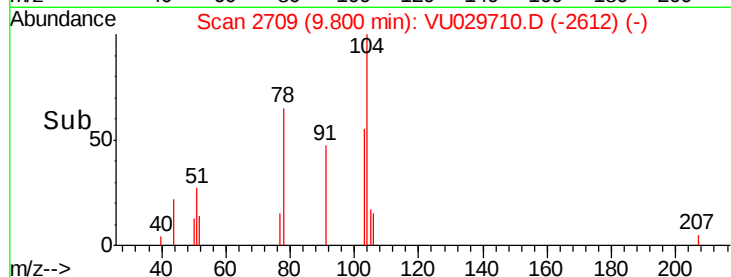
200

0

Time--> 9.75

9.80

9.85



#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

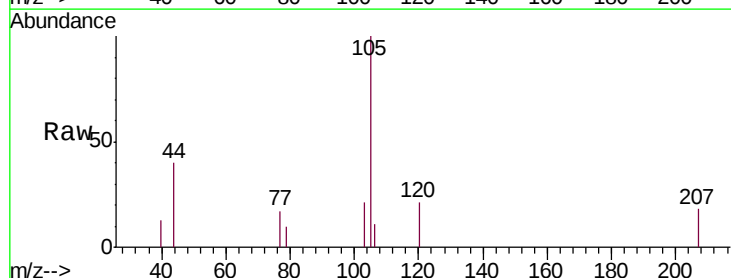
Tgt Ion:105 Resp: 1915

Ion Ratio Lower Upper

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): VU0

10.17

1500

1000

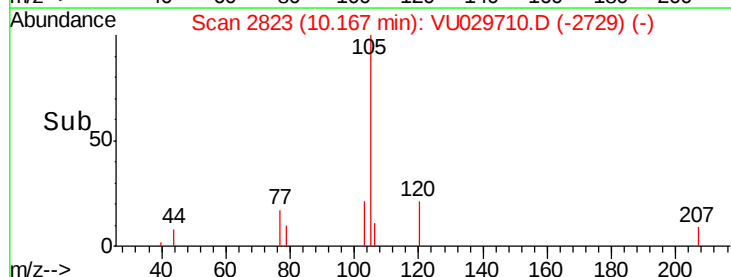
500

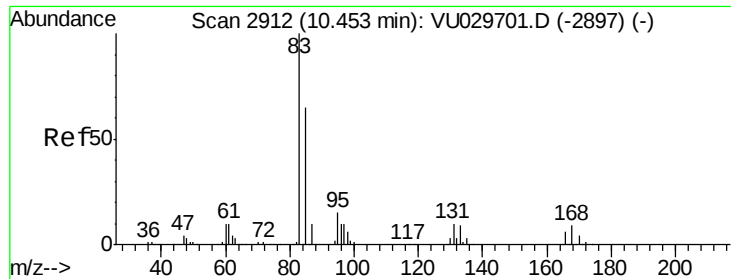
0

Time--> 10.15

10.17

10.20





#58

1,1,2,2-Tetrachloroethane

Concen: 12.762 ug/L

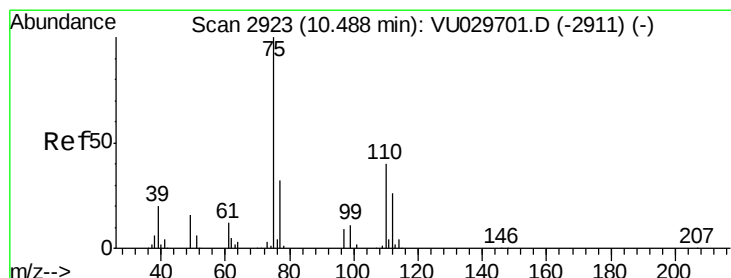
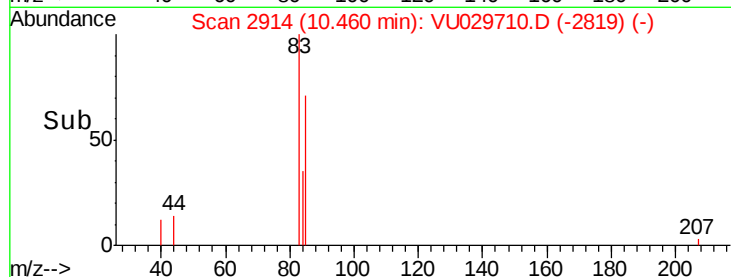
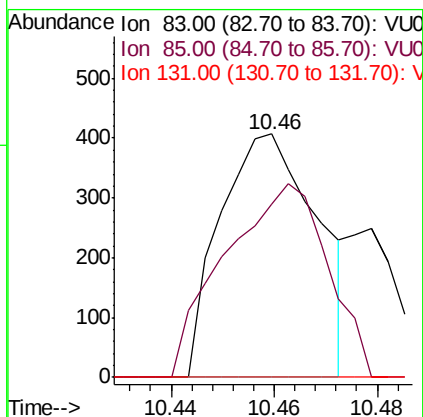
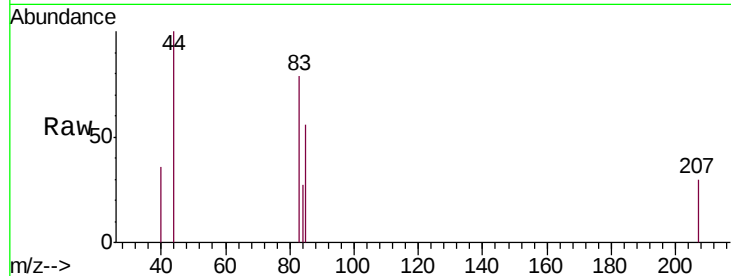
RT: 10.46 min Scan# 2914

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#



#59

1,2,3-Trichloropropane

Concen: 21.128 ug/L

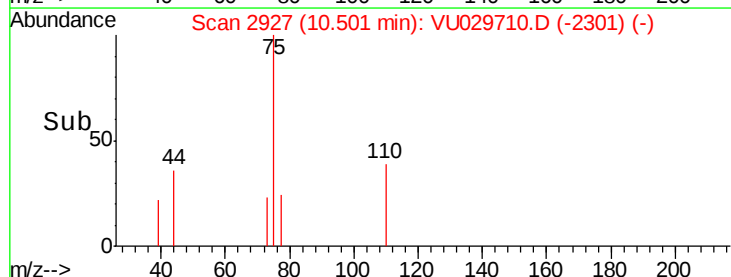
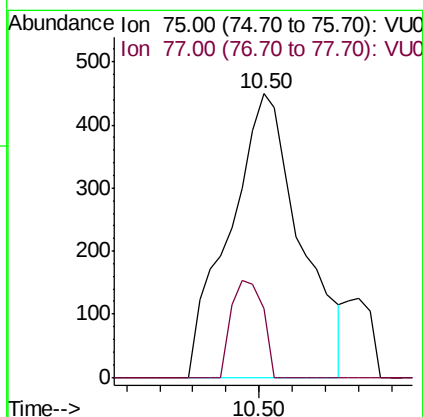
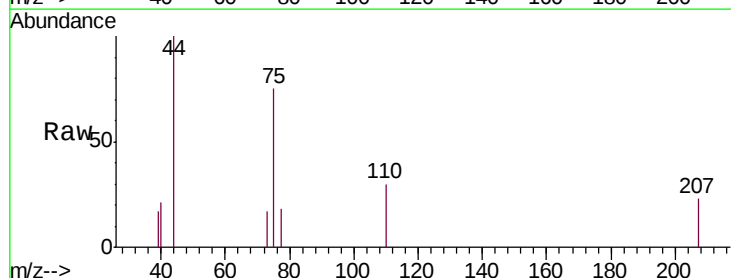
RT: 10.50 min Scan# 2927

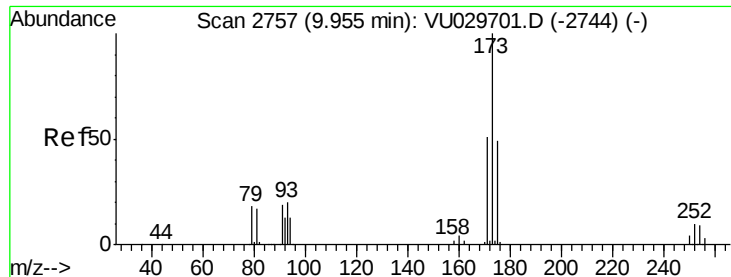
Delta R.T. 0.01 min

Lab File: VU029710.D

Acq: 27 Feb 2019 17:40

Tgt 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

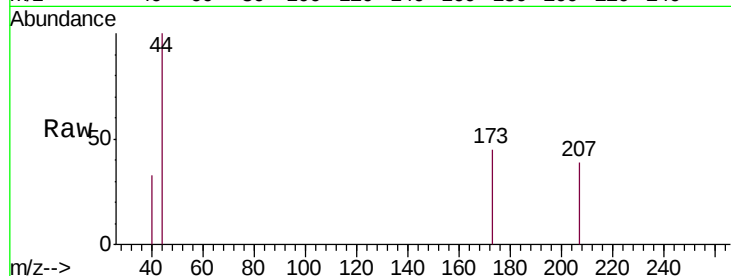
Tgt Ion:173 Resp: 84

Ion Ratio Lower Upper

173 100

175 0.0 39.0 58.4#

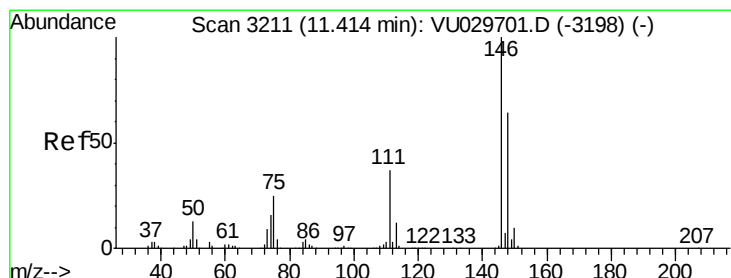
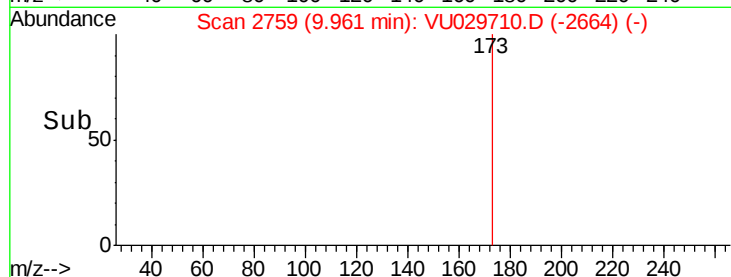
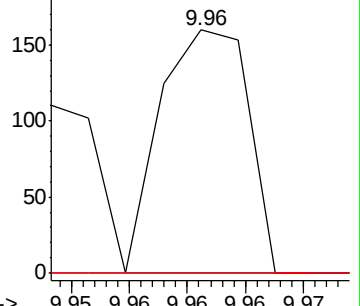
254 0.0 8.1 12.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#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

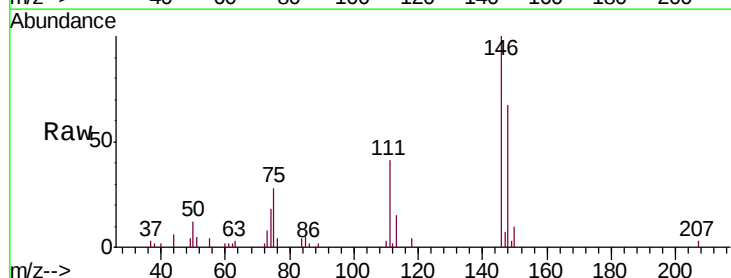
Tgt Ion:146 Resp: 10884

Ion Ratio Lower Upper

146 100

111 41.0 26.7 49.5

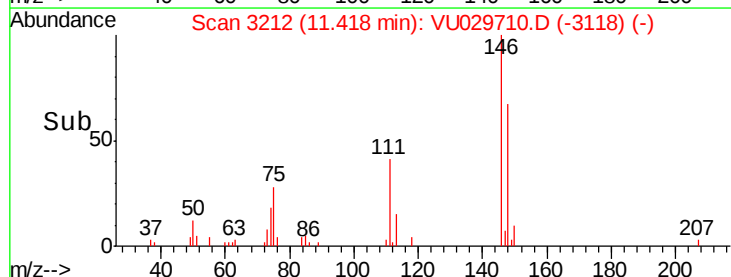
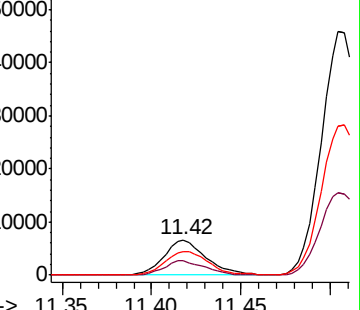
148 67.1 45.9 85.3

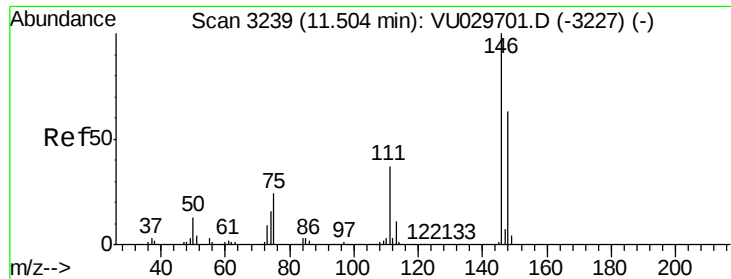


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 467.686 ug/L

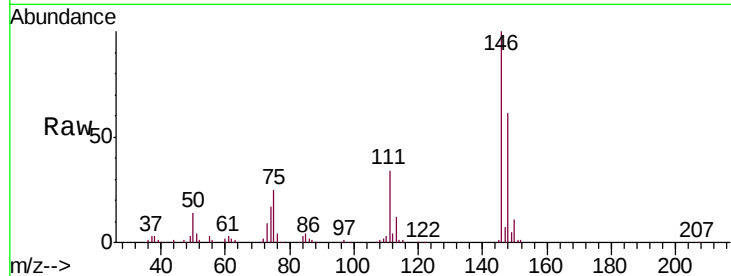
RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

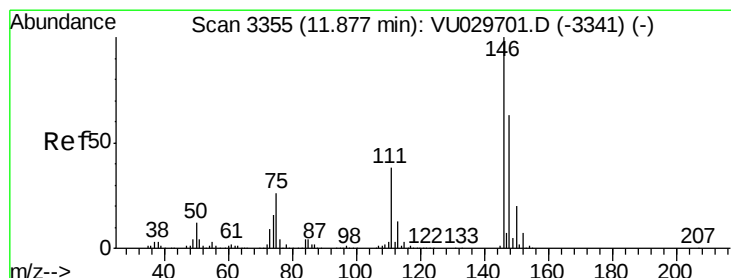
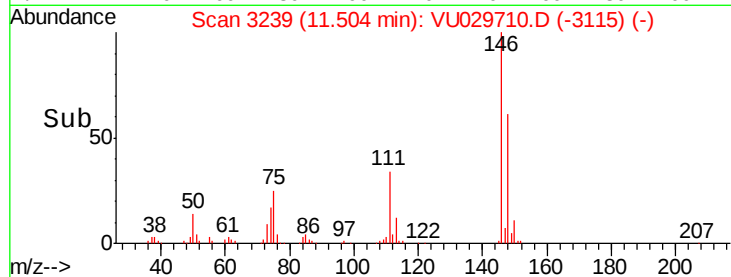
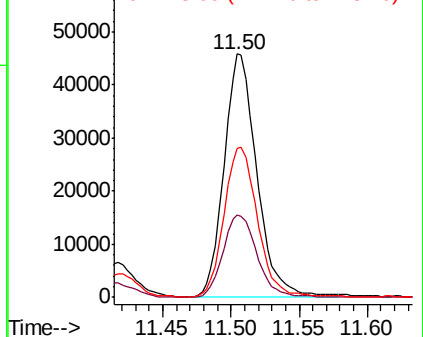
Lab File: VU029710.D

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



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: 2106.458 ug/L

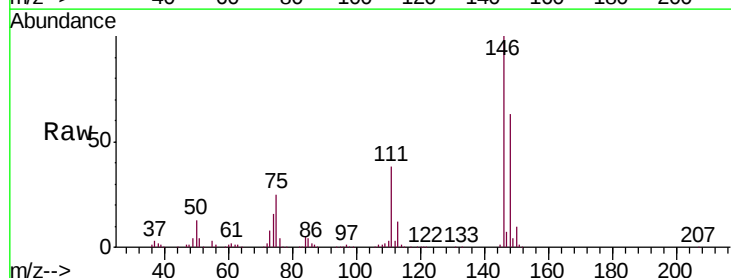
RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

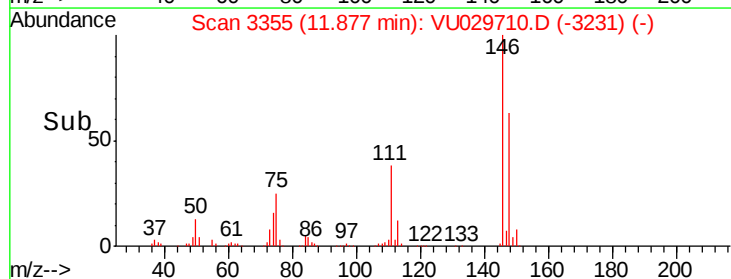
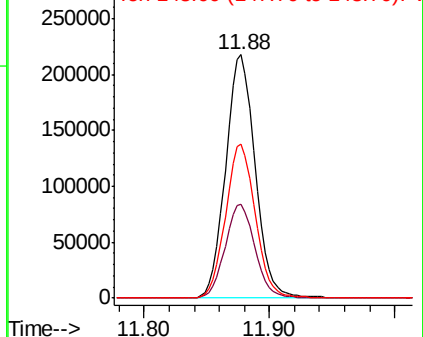
Lab File: VU029710.D

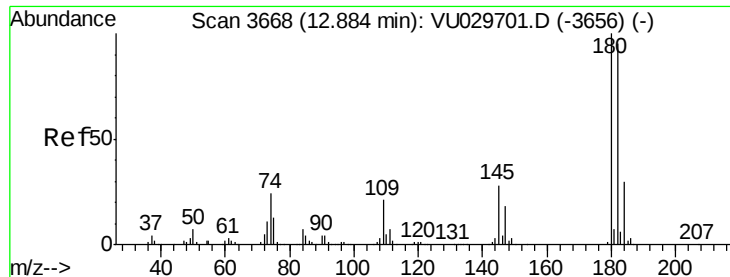
Acq: 27 Feb 2019 17:40

Tgt Ion:	146	Resp:	355655
Ion	Ratio	Lower	Upper
146	100		
111	38.5	31.2	46.8
148	63.2	51.6	77.4



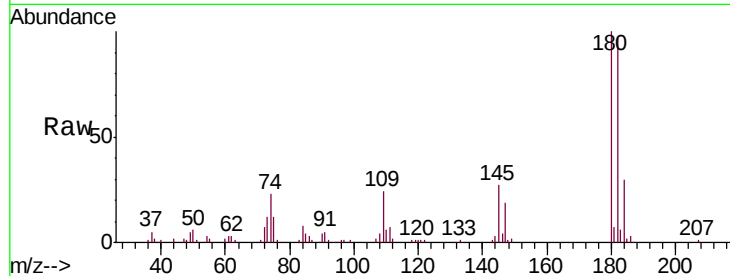
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



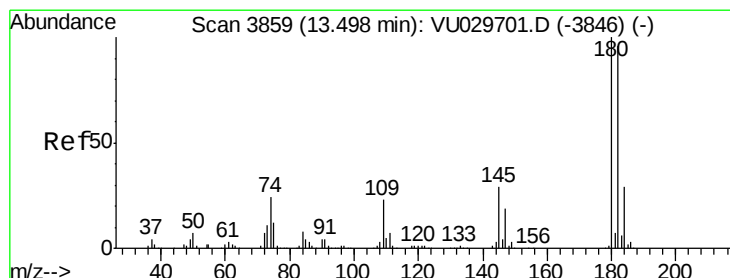
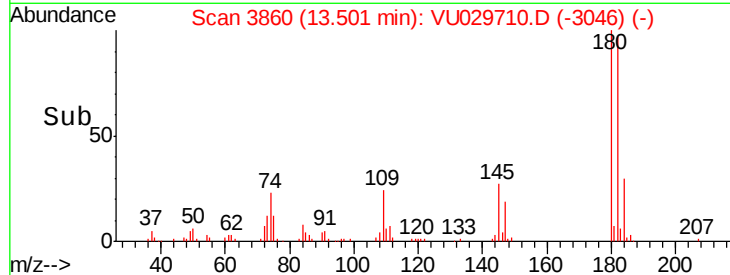
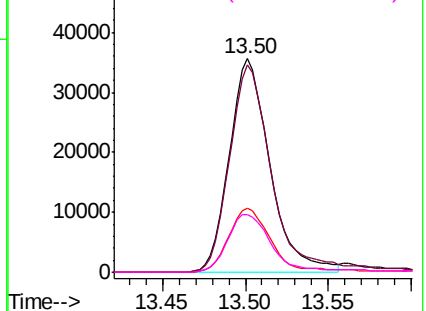


#67
 1,3,5-Trichlorobenzene
 Concen: 494.612 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU029710.D
 Acq: 27 Feb 2019 17:40

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

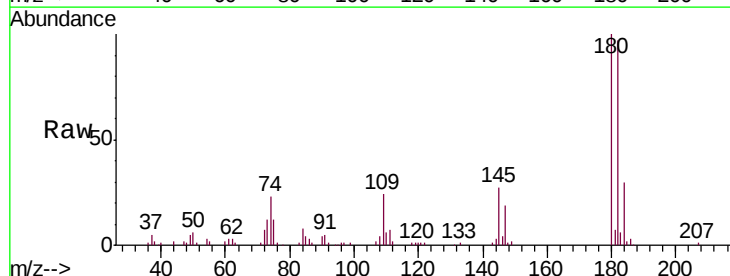


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

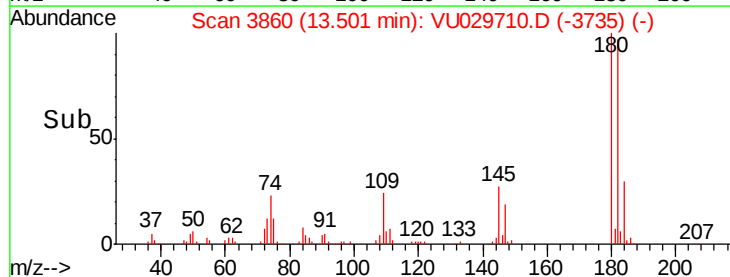
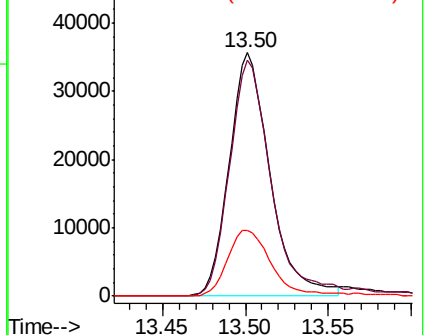


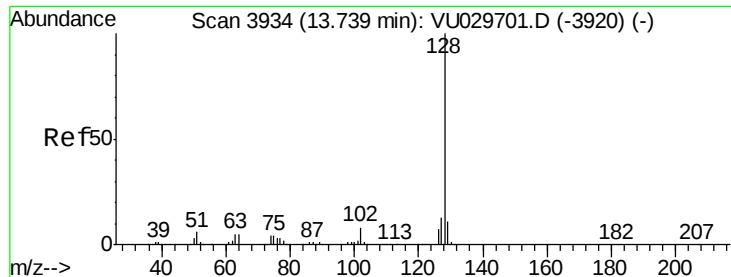
#68
 1,2,4-trichlorobenzene
 Concen: 571.864 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029710.D
 Acq: 27 Feb 2019 17:40

Tgt 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

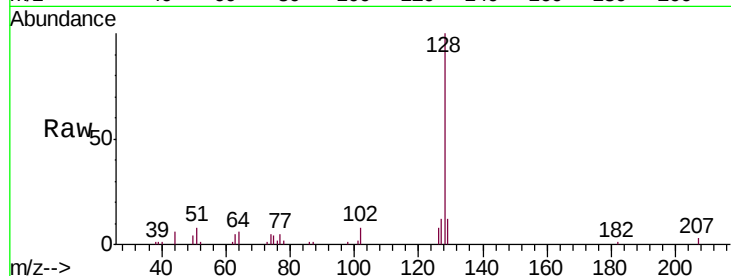
Tgt Ion:128 Resp: 29155

Ion Ratio Lower Upper

128 100

127 10.8 10.2 15.4

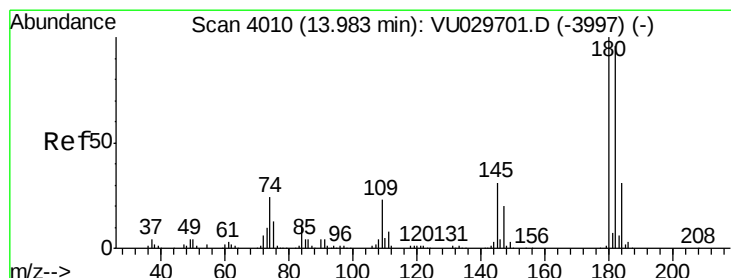
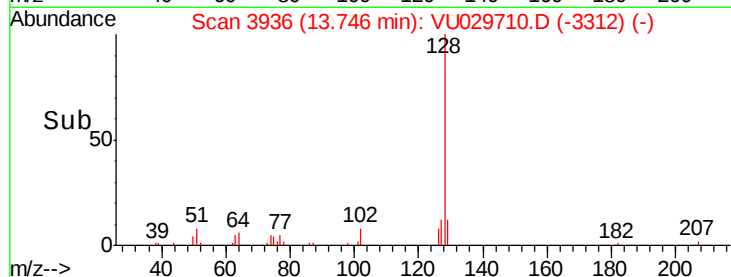
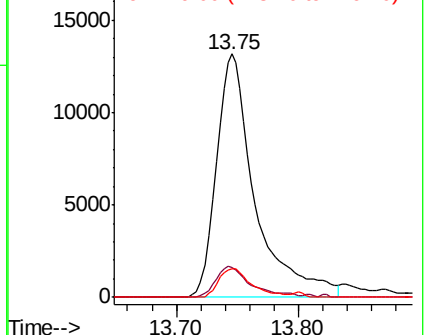
129 9.8 8.5 12.7



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

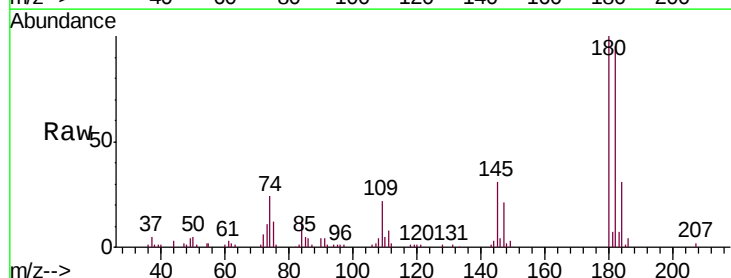
Tgt Ion:180 Resp: 48651

Ion Ratio Lower Upper

180 100

182 93.8 76.8 115.2

145 29.5 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

