

Data File : VU023729.D
Acq On : 08 May 2018 11:39
Operator : MD/SY
Sample : VSTD05055
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 09 01:36:57 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 09 01:35:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	364029	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	347028	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	182638	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	134452	51.75	ug/L	0.00
7) Chloroethane-d5	1.68	69	101686	51.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	247771	49.54	ug/L	0.00
21) 2-Butanone-d5	4.18	46	201712	111.27	ug/L	0.00
24) Chloroform-d	4.65	84	226515	52.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	144350	49.04	ug/L	0.00
32) Benzene-d6	5.35	84	476854	51.20	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	154416	49.64	ug/L	0.00
41) Toluene-d8	7.57	98	448477	52.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	68097	51.01	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	143389	117.38	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	206837	50.97	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	178839	50.04	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	153080	40.36	ug/L	100
3) Chloromethane	1.33	50	139337	35.08	ug/L	100
5) Vinyl chloride	1.40	62	157605	40.88	ug/L	100
6) Bromomethane	1.63	94	59993	30.57	ug/L	100
8) Chloroethane	1.70	64	94226	40.14	ug/L	100
9) Trichlorofluoromethane	1.89	101	187148	42.69	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	121205	43.84	ug/L	100
12) 1,1-Dichloroethene	2.28	96	114171	43.99	ug/L	100
13) Acetone	2.32	43	207527	80.93	ug/L	100
14) Carbon disulfide	2.48	76	365395	41.21	ug/L	100
15) Methyl Acetate	2.62	43	163442	46.93	ug/L	100
16) Methylene chloride	2.70	84	137552	42.48	ug/L	100
17) trans-1,2-Dichloroethene	2.99	96	124522	43.79	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	393049	46.38	ug/L	100
19) 1,1-Dichloroethane	3.45	63	246383	43.68	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	142698	45.00	ug/L	100
22) 2-Butanone	4.26	43	262177	90.69	ug/L	100
23) Bromochloromethane	4.55	128	73022	45.73	ug/L	100
25) Chloroform	4.68	83	241417	42.00	ug/L	100
27) 1,2-Dichloroethane	5.41	62	188338	43.90	ug/L	100
29) Cyclohexane	5.00	56	223994	44.86	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	194154	44.81	ug/L	100
31) Carbon tetrachloride	5.14	117	168005	44.63	ug/L	100
33) Benzene	5.39	78	536460	44.77	ug/L	100
34) Trichloroethene	6.19	95	136865	44.28	ug/L	100
35) Methylcyclohexane	6.42	83	212546	44.44	ug/L	100
37) 1,2-Dichloropropane	6.44	63	153735	44.53	ug/L	100
38) Bromodichloromethane	6.76	83	176555	45.24	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	221042	46.47	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	424035	99.30	ug/L	100

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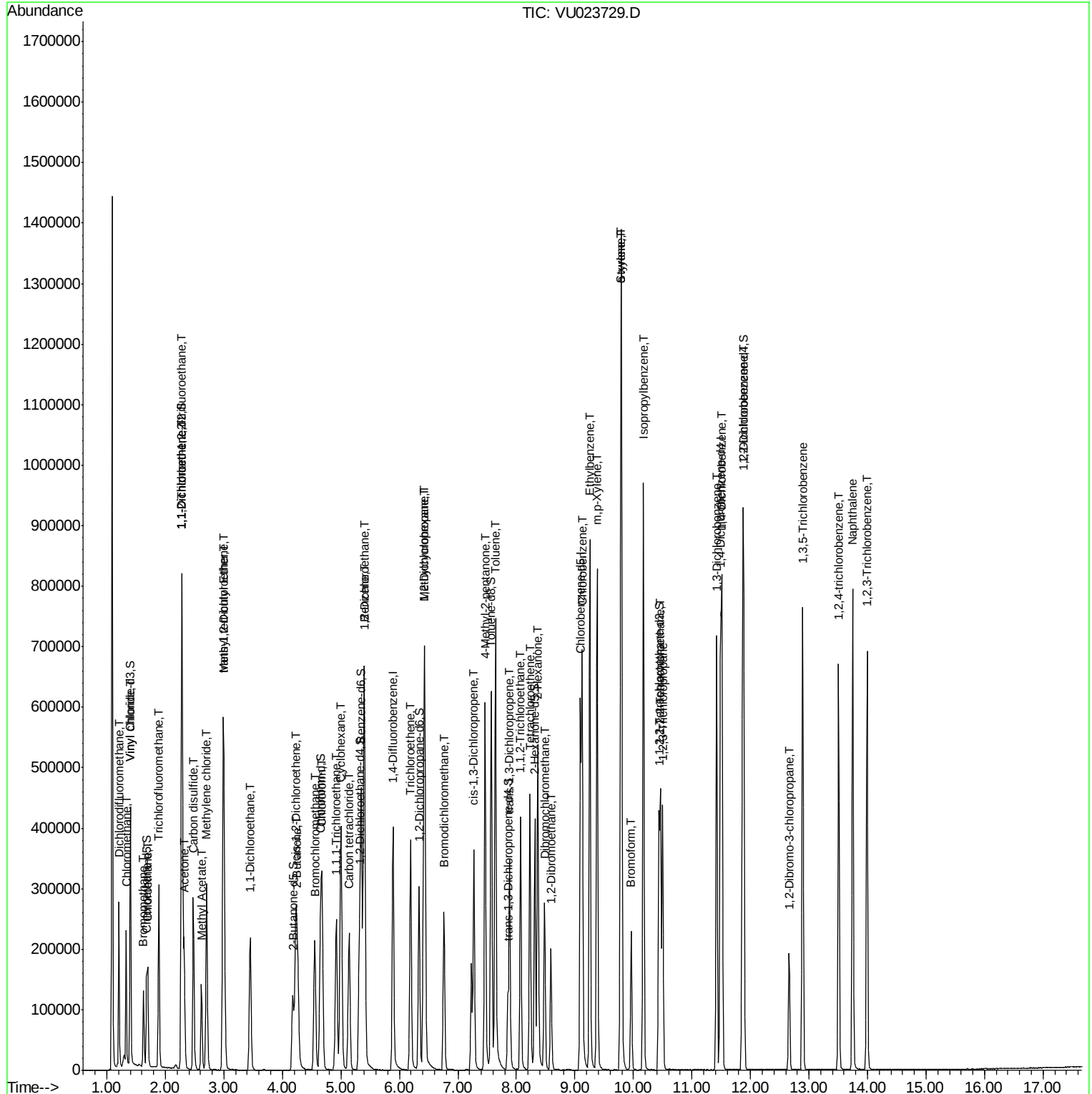
Quant Time: May 09 01:36:57 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 09 01:35:20 2018
Response via : Initial Calibration

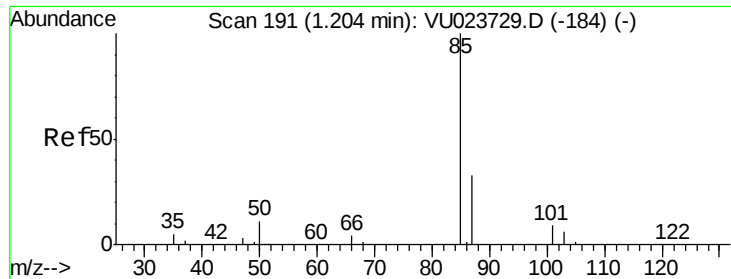
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	574733	46.19	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	195417	46.12	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	133465	45.25	ug/L	100
46) Tetrachloroethene	8.23	164	111359	44.44	ug/L	100
48) 2-Hexanone	8.36	43	354853	96.16	ug/L	100
49) Dibromochloromethane	8.48	129	143842	46.35	ug/L	100
50) 1,2-Dibromoethane	8.59	107	139353	46.54	ug/L	100
51) Chlorobenzene	9.12	112	375612	45.05	ug/L	100
52) Ethylbenzene	9.26	91	633115	46.78	ug/L	100
53) m,p-Xylene	9.38	106	240339	46.68	ug/L	100
54) o-xylene	9.78	106	235262	48.03	ug/L	100
55) Styrene	9.80	104	414582	48.39	ug/L	100
56) Isopropylbenzene	10.17	105	621788	48.20	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	226490	46.51	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	183359	47.43	ug/L	100
61) Bromoform	9.96	173	107403	46.96	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	299932	45.95	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	308222	45.42	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	306843	45.97	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	47706	48.64	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	244280	44.95	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	213825	46.27	ug/L	100
69) Naphthalene	13.75	128	632912	52.11	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	222799	47.36	ug/L	100

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

ALS Vial : 5 Sample Multiplier: 1

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 40.36 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU023729.D

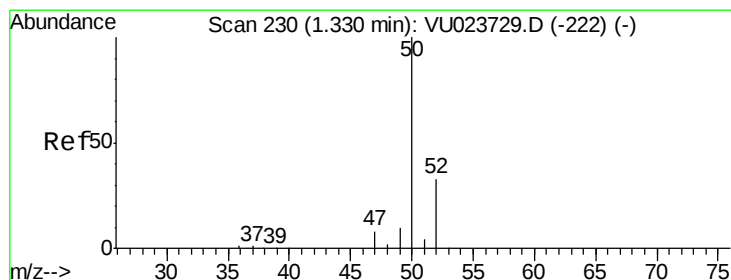
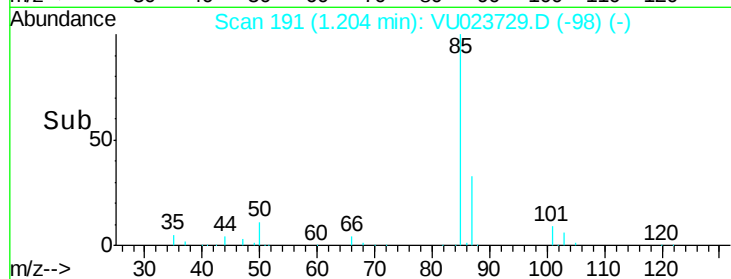
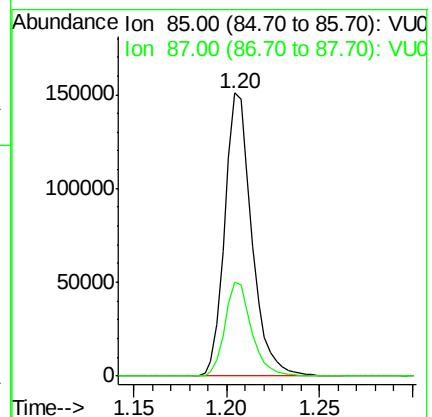
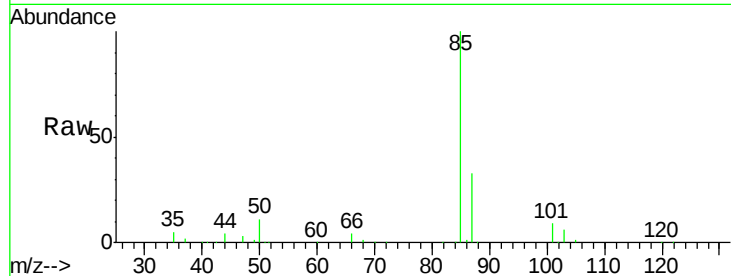
Acq: 08 May 2018 11:39

Tgt Ion: 85 Resp: 153080

Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.2



#3

Chloromethane

Concen: 35.08 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU023729.D

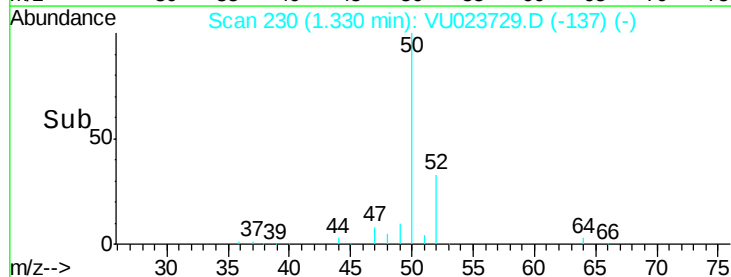
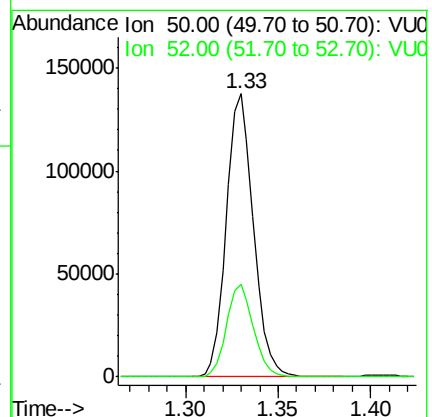
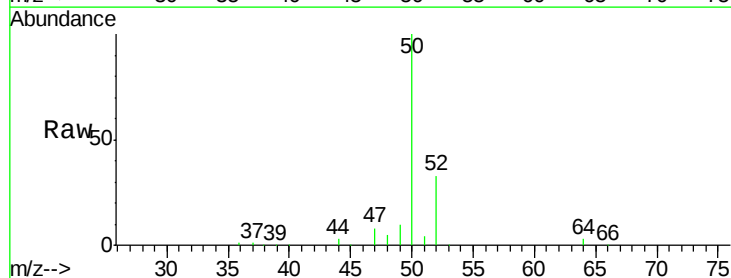
Acq: 08 May 2018 11:39

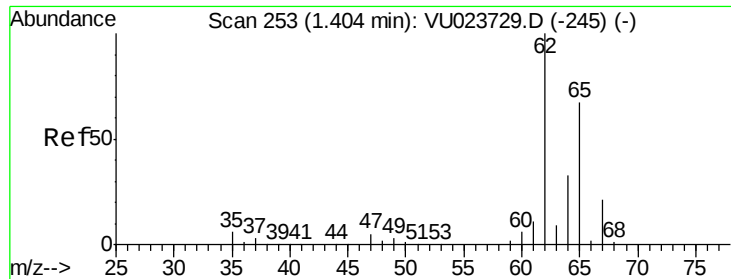
Tgt Ion: 50 Resp: 139337

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4





#5

Vinyl chloride

Concen: 40.88 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU023729.D

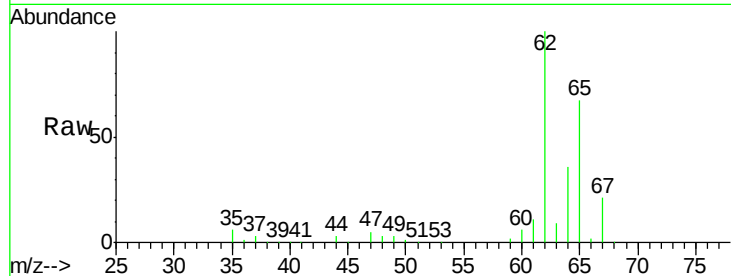
Acq: 08 May 2018 11:39

Tgt Ion: 62 Resp: 157605

Ion Ratio Lower Upper

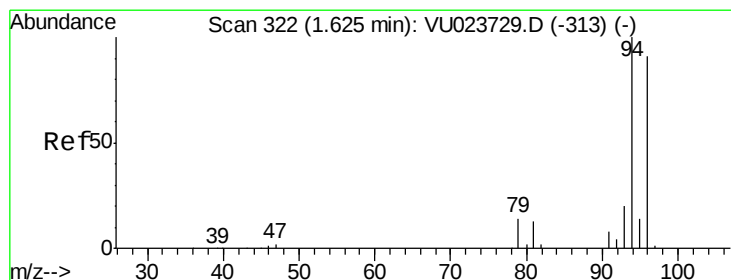
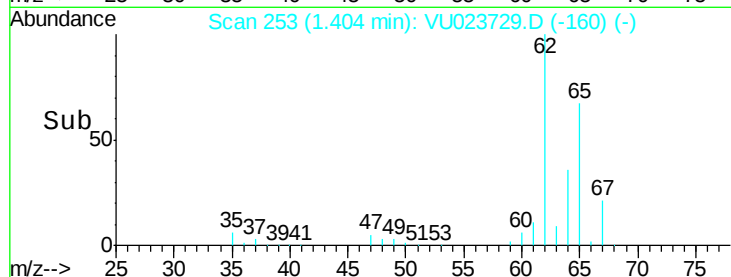
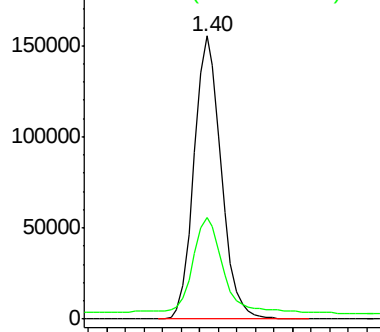
62 100

64 36.0 25.2 46.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 30.57 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU023729.D

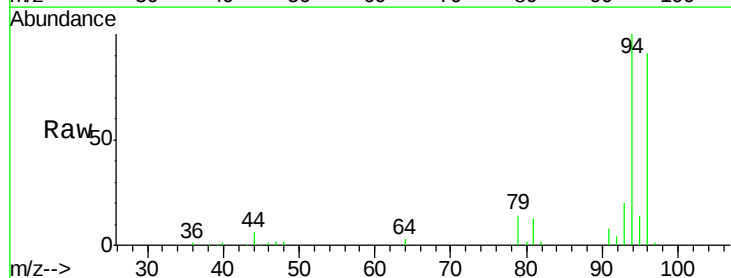
Acq: 08 May 2018 11:39

Tgt Ion: 94 Resp: 59993

Ion Ratio Lower Upper

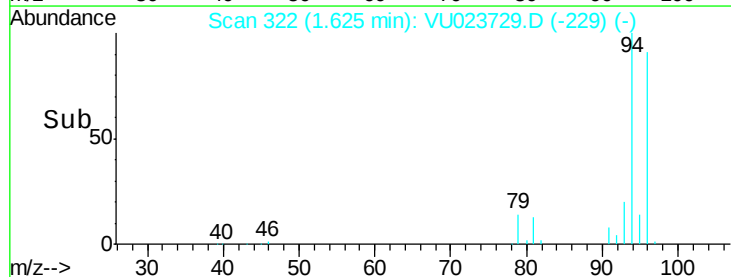
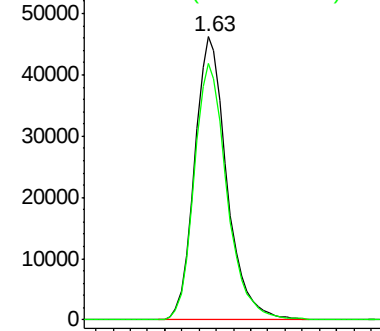
94 100

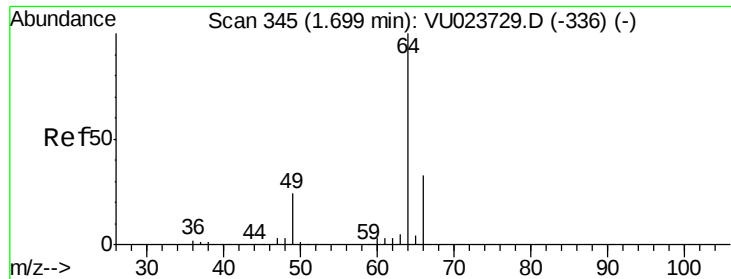
96 90.5 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 40.14 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU023729.D

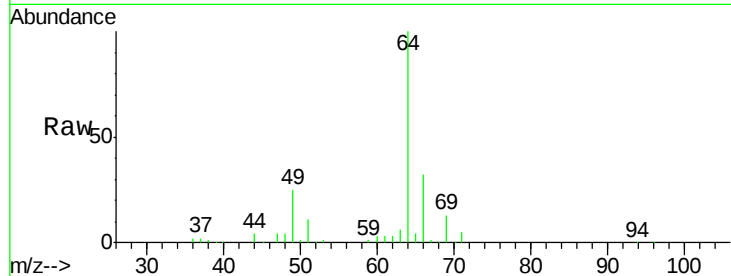
Acq: 08 May 2018 11:39

Tgt Ion: 64 Resp: 94226

Ion Ratio Lower Upper

64 100

66 32.2 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.70

80000

60000

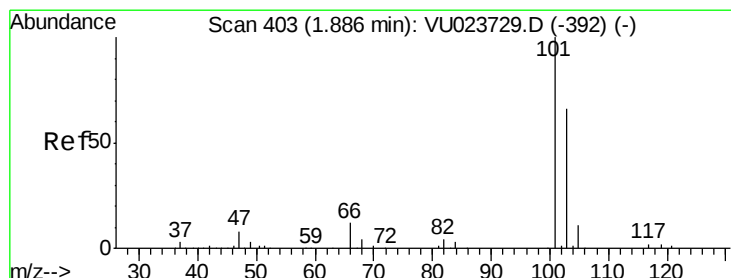
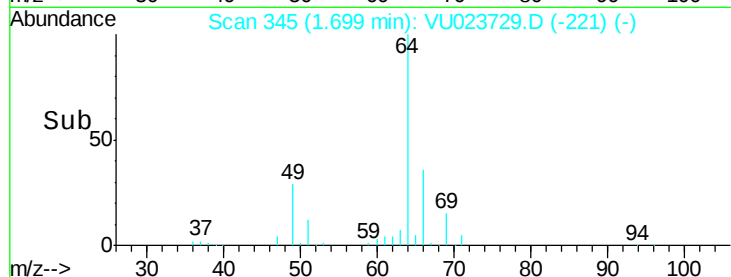
40000

20000

0

Time-->

1.65 1.70 1.75



#9

Trichlorofluoromethane

Concen: 42.69 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU023729.D

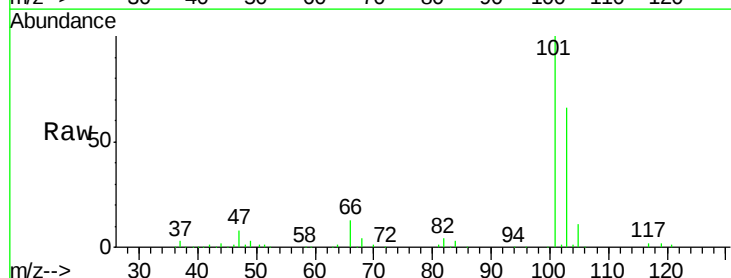
Acq: 08 May 2018 11:39

Tgt Ion: 101 Resp: 187148

Ion Ratio Lower Upper

101 100

103 65.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.89

150000

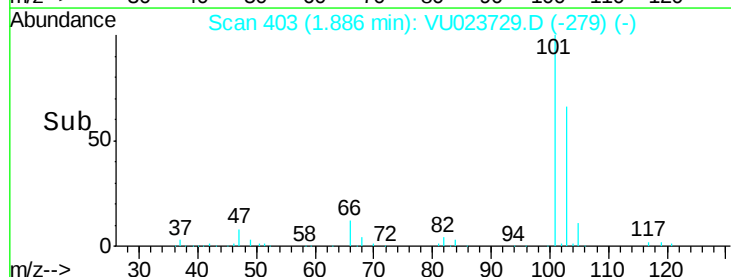
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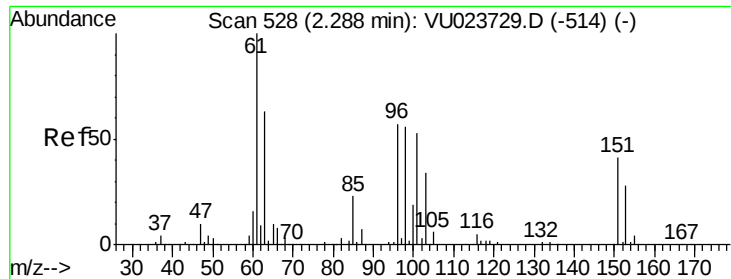
50000

0

Time-->

1.85 1.90 1.95





#10

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

Concen: 43.84 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

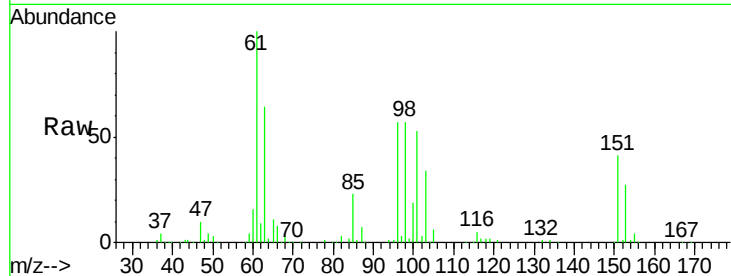
Tgt Ion: 101 Resp: 121205

Ion Ratio Lower Upper

101 100

85 42.4 33.9 50.9

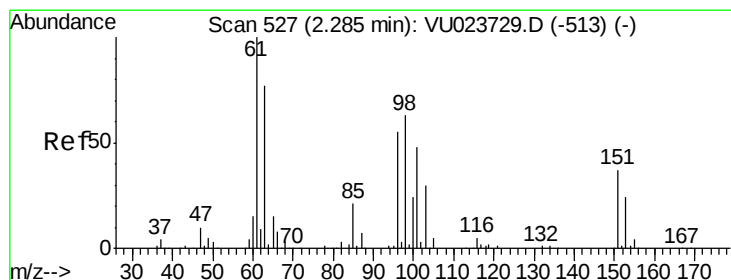
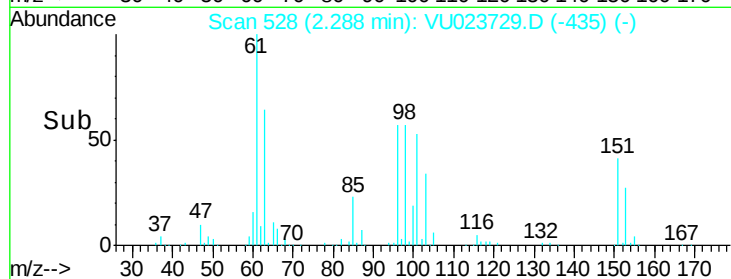
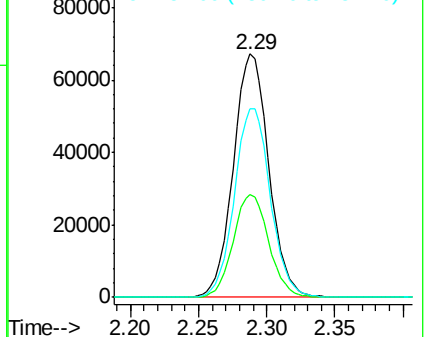
151 78.7 63.0 94.4



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: 43.99 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

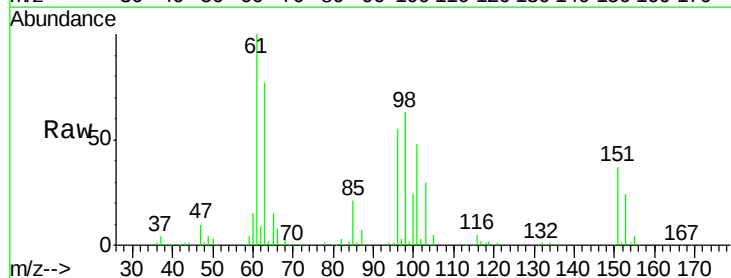
Tgt Ion: 96 Resp: 114171

Ion Ratio Lower Upper

96 100

61 180.6 126.4 234.8

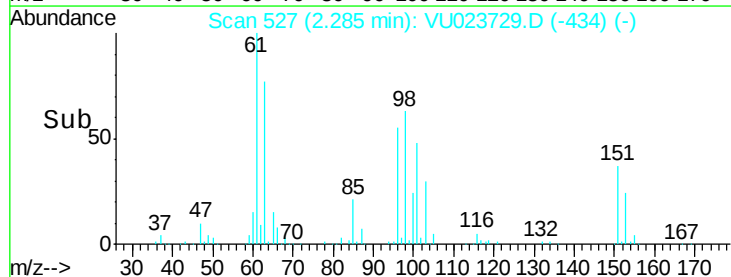
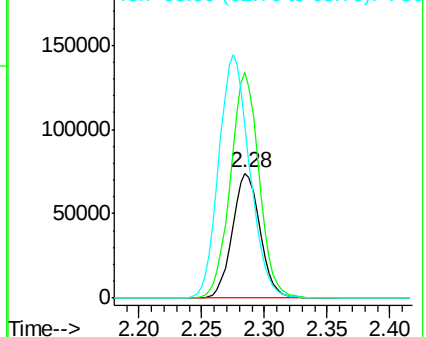
63 139.0 97.3 180.7

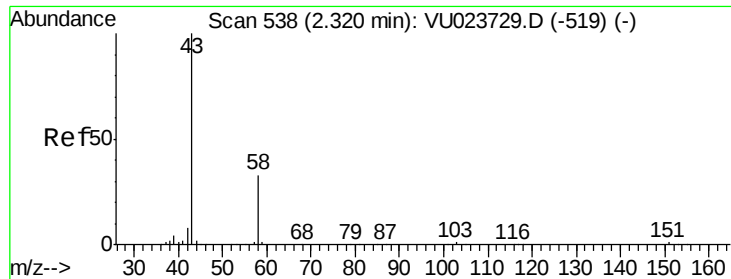


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 80.93 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU023729.D

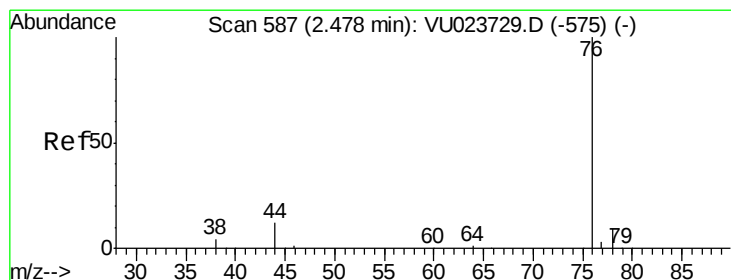
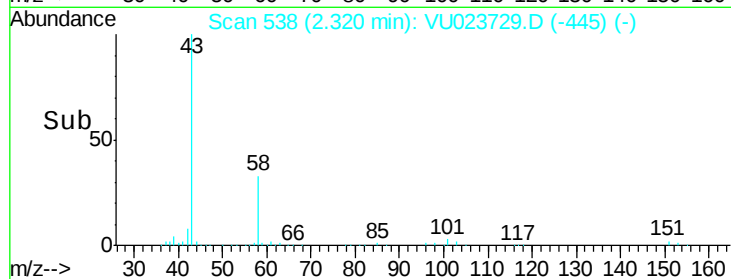
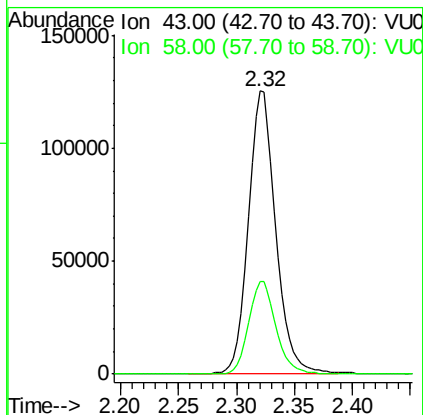
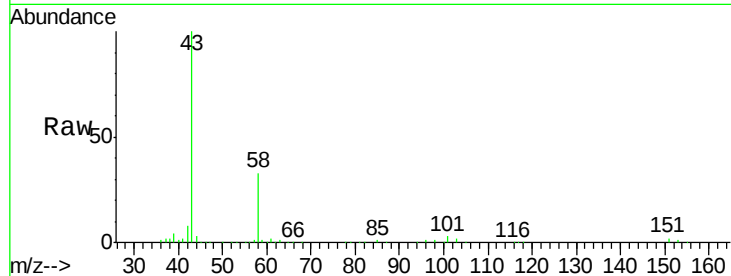
Acq: 08 May 2018 11:39

Tgt Ion: 43 Resp: 207527

Ion Ratio Lower Upper

43 100

58 32.7 0.0 65.4



#14

Carbon disulfide

Concen: 41.21 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU023729.D

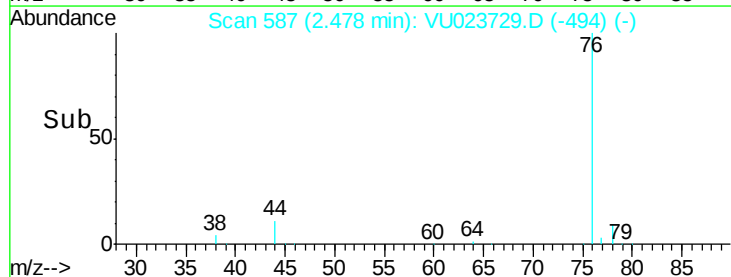
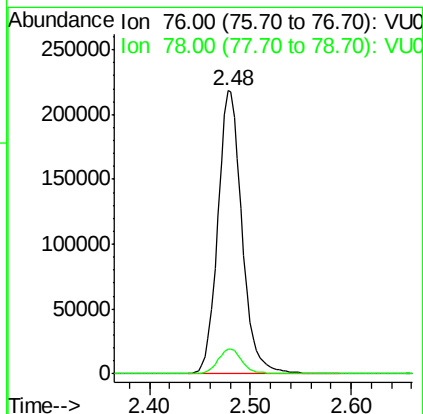
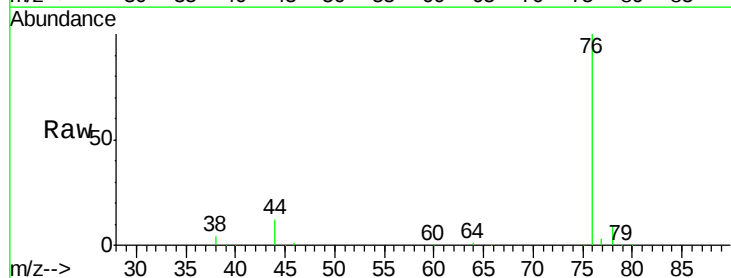
Acq: 08 May 2018 11:39

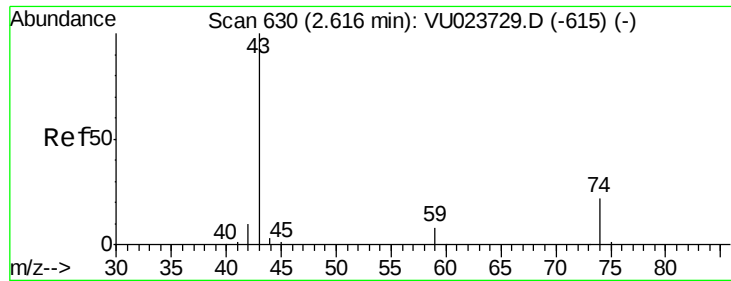
Tgt Ion: 76 Resp: 365395

Ion Ratio Lower Upper

76 100

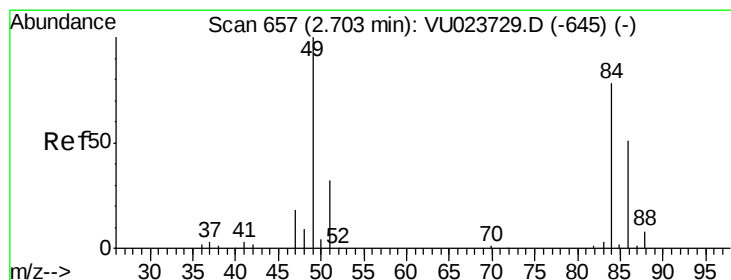
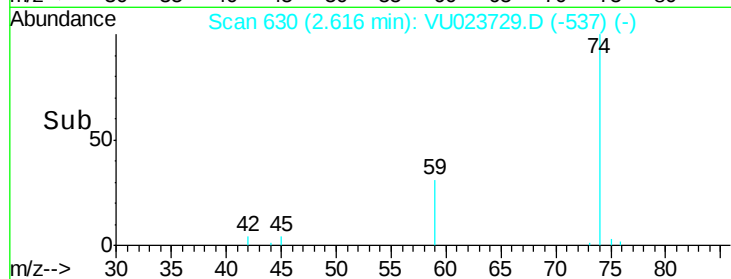
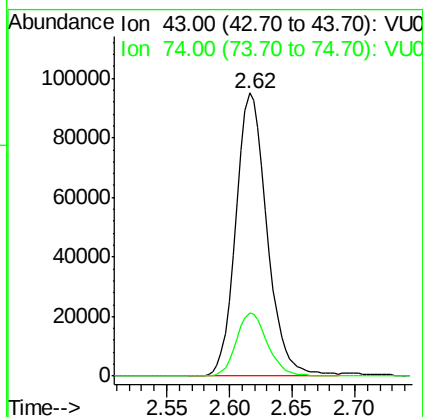
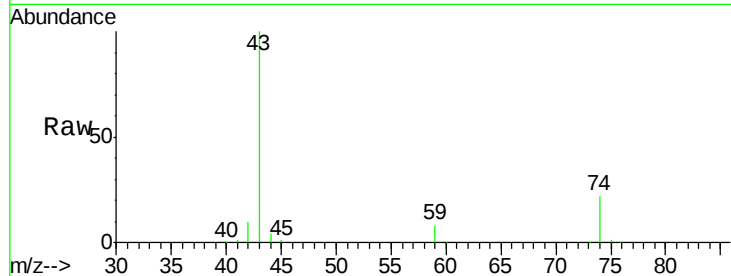
78 8.7 7.0 10.4





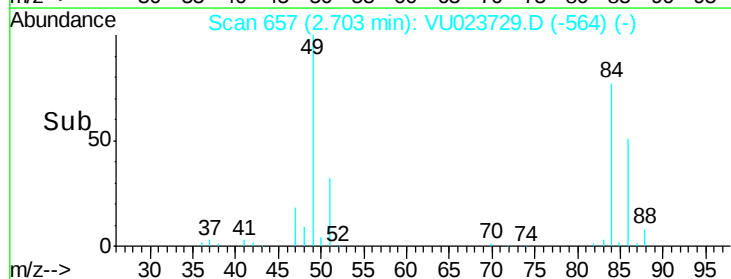
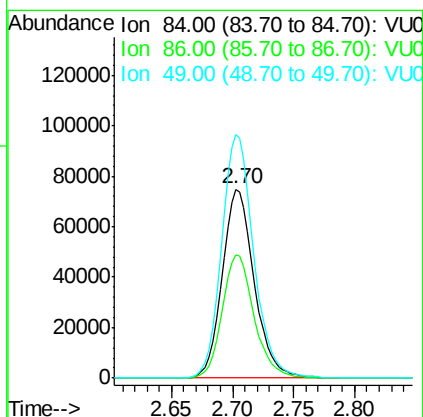
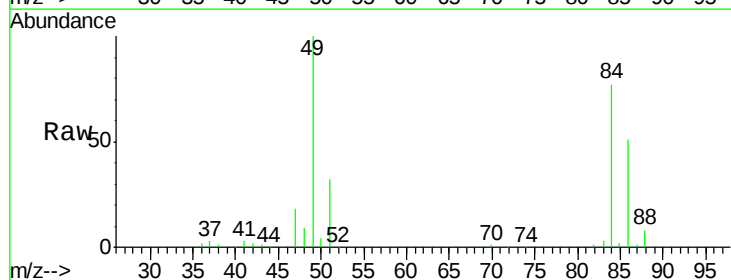
#15
Methyl Acetate
Concen: 46.93 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU023729.D
Acq: 08 May 2018 11:39

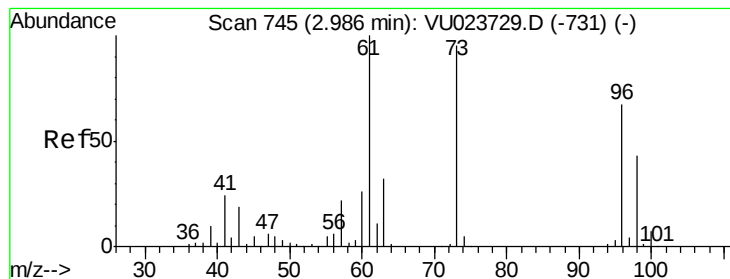
Tgt Ion: 43 Resp: 163442
Ion Ratio Lower Upper
43 100
74 22.5 18.0 27.0



#16
Methylene chloride
Concen: 42.48 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU023729.D
Acq: 08 May 2018 11:39

Tgt Ion: 84 Resp: 137552
Ion Ratio Lower Upper
84 100
86 65.5 45.8 85.2
49 129.1 90.4 167.8





#17

trans-1,2-Dichloroethene

Concen: 43.79 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

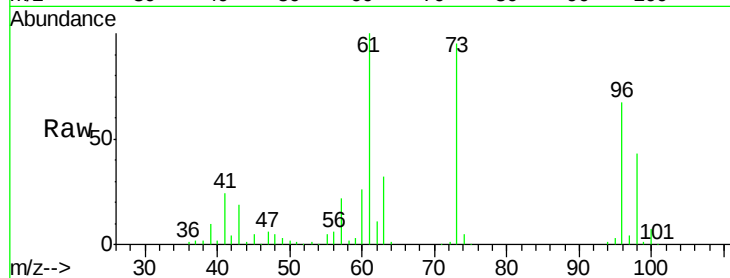
Tgt Ion: 96 Resp: 124522

Ion Ratio Lower Upper

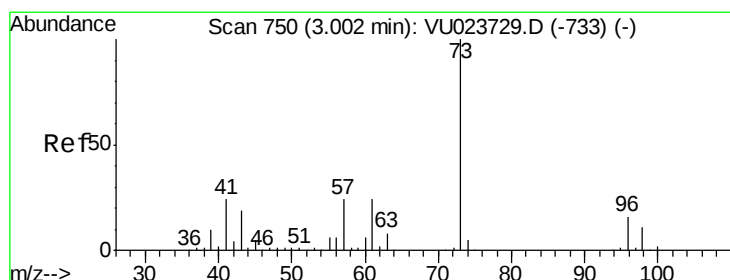
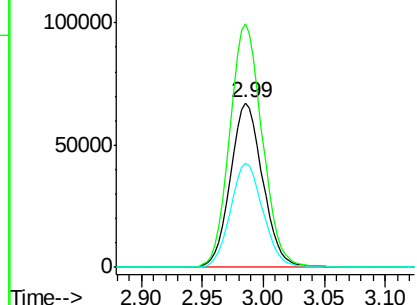
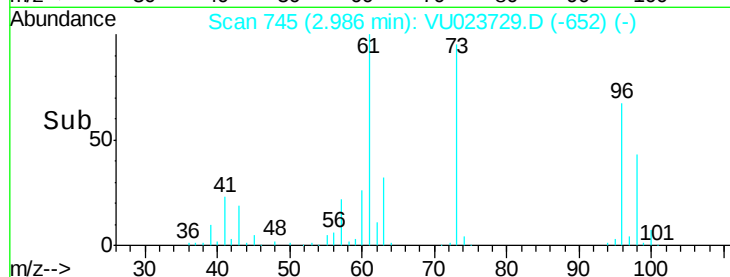
96 100

61 148.2 103.7 192.7

98 63.5 44.4 82.5



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

Methyl tert-butyl Ether

Concen: 46.38 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

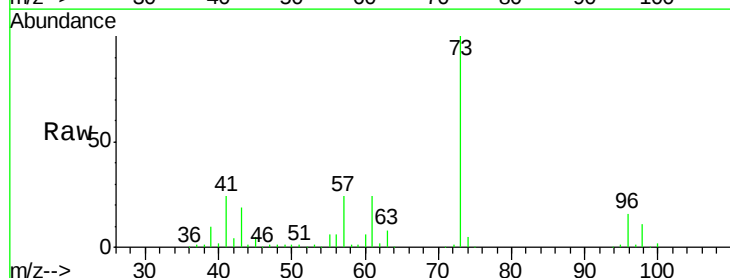
Tgt Ion: 73 Resp: 393049

Ion Ratio Lower Upper

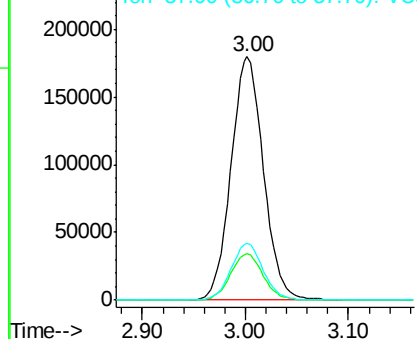
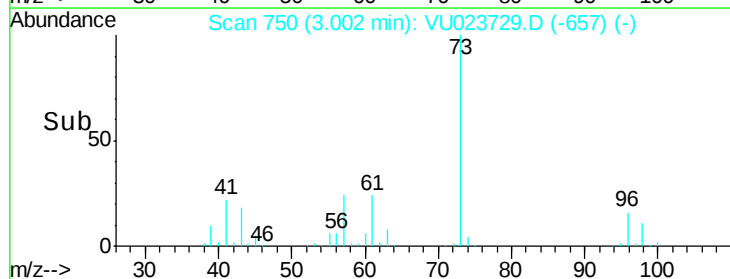
73 100

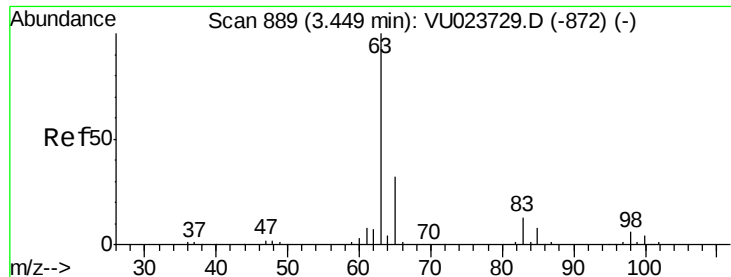
43 19.2 15.4 23.0

57 23.2 18.6 27.8



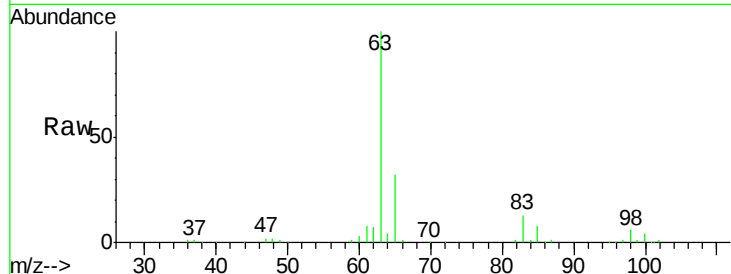
Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



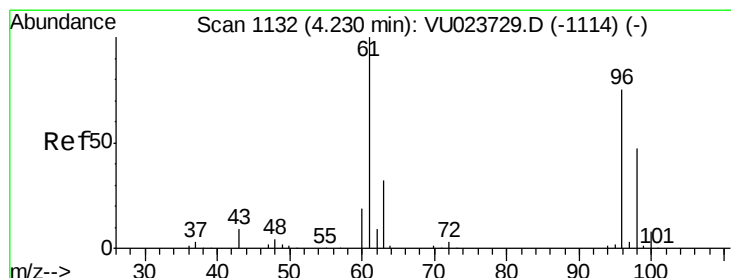
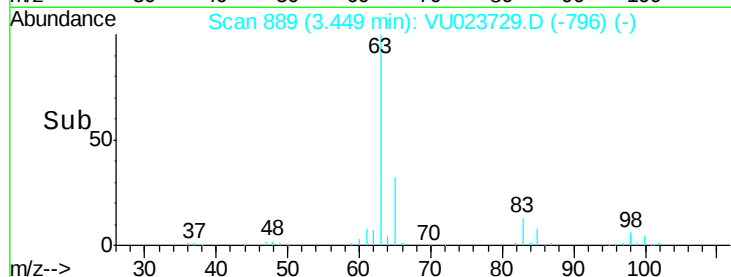
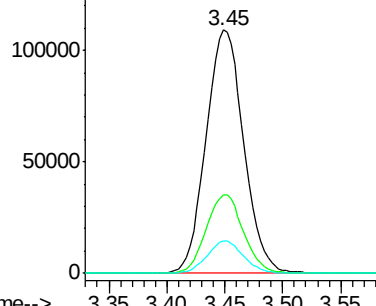


#19
 1,1-Dichloroethane
 Concen: 43.68 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU023729.D
 Acq: 08 May 2018 11:39

Tgt Ion: 63 Resp: 246383
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.4 41.6
 83 13.2 9.2 17.2

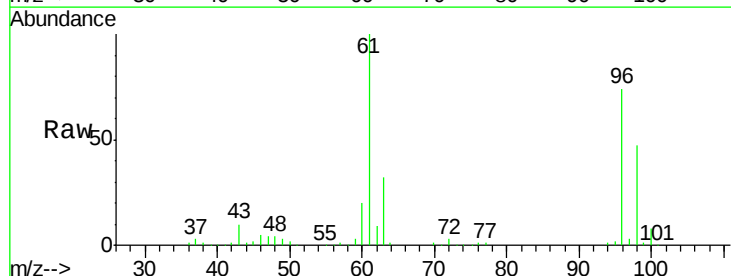


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

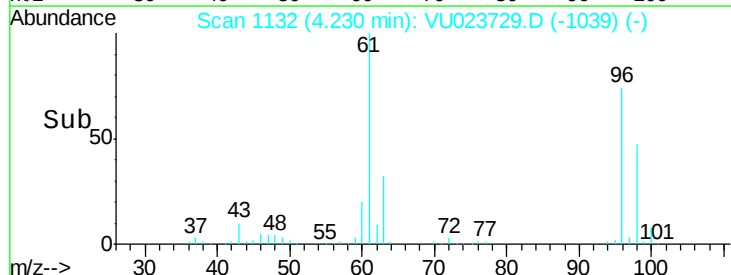
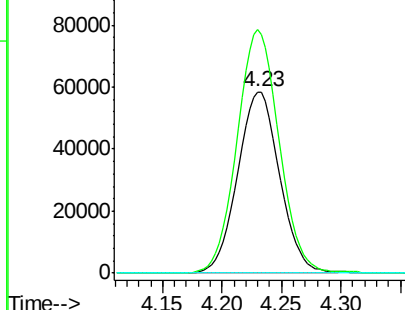


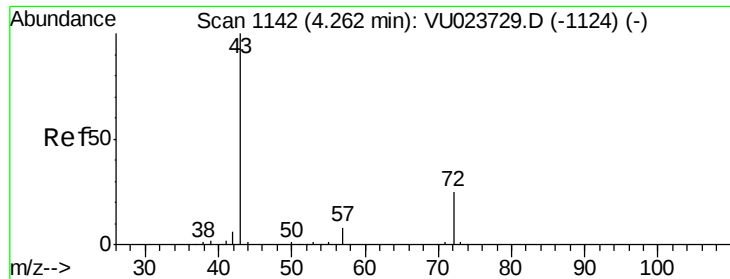
#20
 cis-1,2-Dichloroethene
 Concen: 45.00 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU023729.D
 Acq: 08 May 2018 11:39

Tgt Ion: 96 Resp: 142698
 Ion Ratio Lower Upper
 96 100
 61 134.2 93.9 174.5
 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: 90.69 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU023729.D

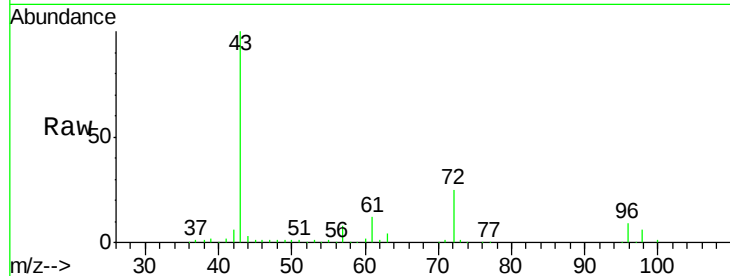
Acq: 08 May 2018 11:39

Tgt Ion: 43 Resp: 262177

Ion Ratio Lower Upper

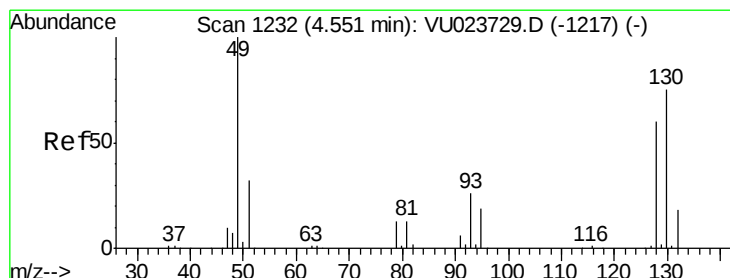
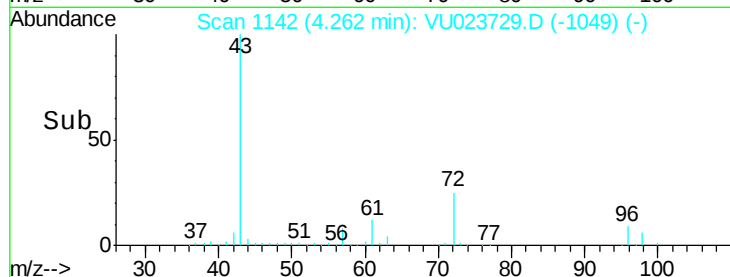
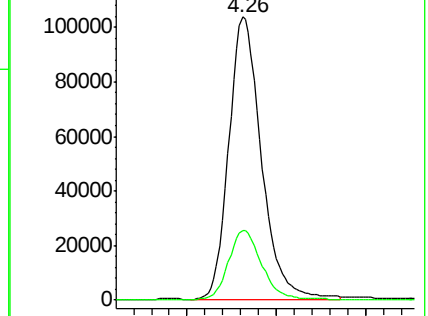
43 100

72 25.3 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 45.73 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

Tgt Ion: 128 Resp: 73022

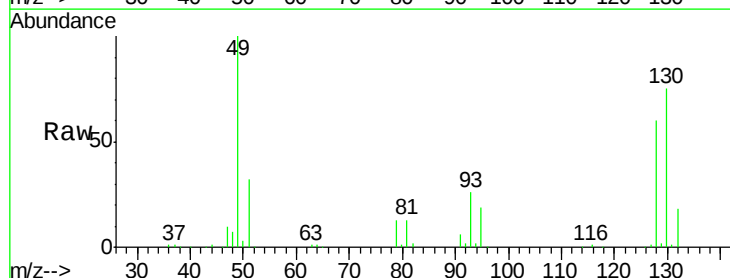
Ion Ratio Lower Upper

128 100

49 165.9 116.1 215.7

130 123.7 86.6 160.8

51 53.2 42.6 63.8

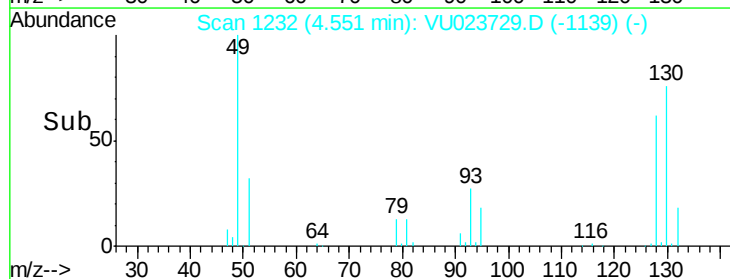
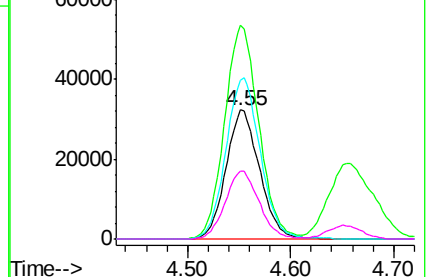


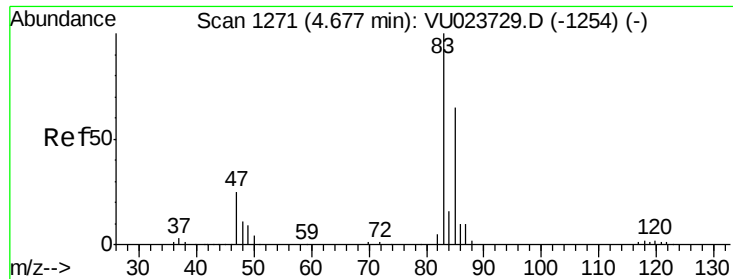
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

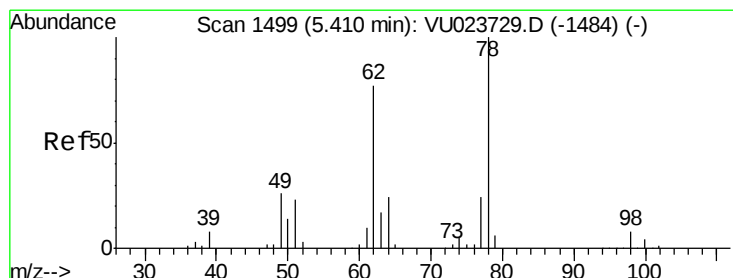
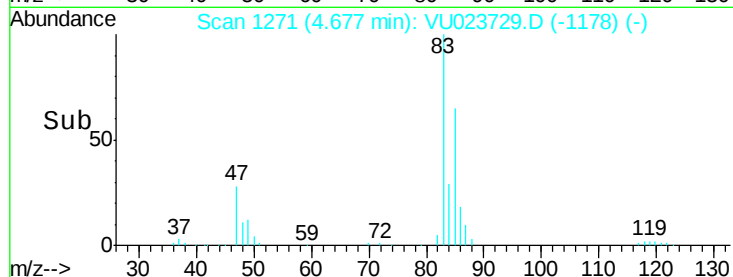
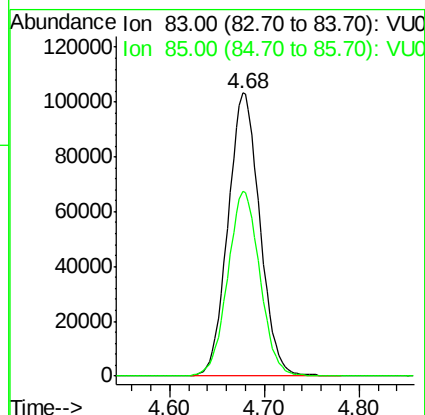
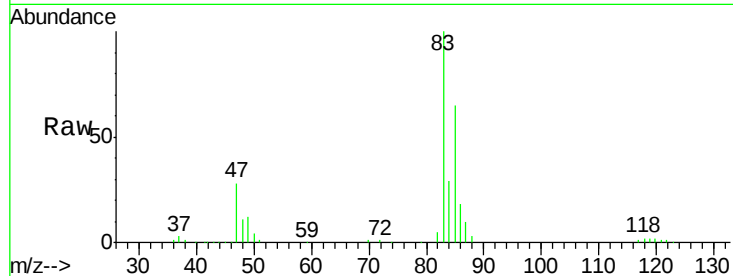
Ion 51.00 (50.70 to 51.70): VU0





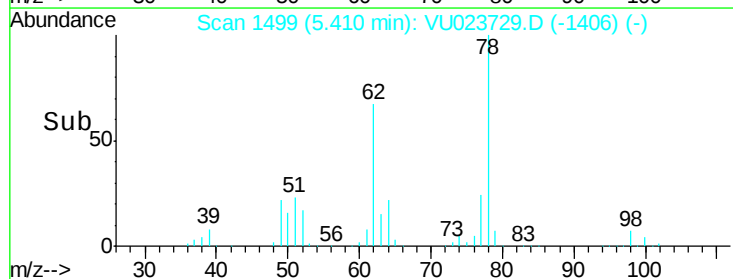
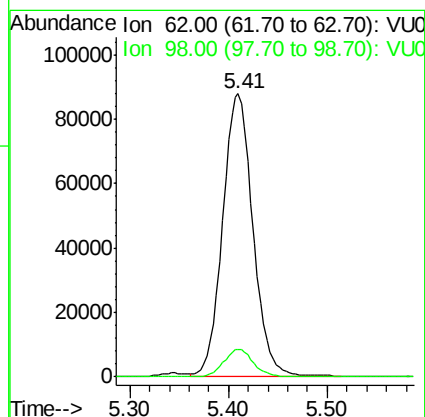
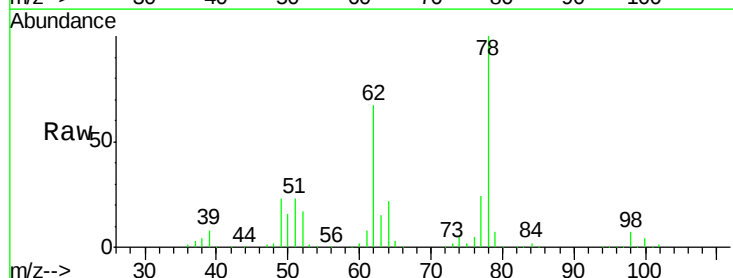
#25
Chloroform
Concen: 42.00 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU023729.D
Acq: 08 May 2018 11:39

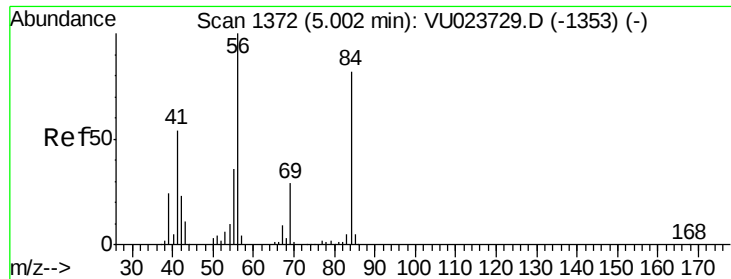
Tgt Ion: 83 Resp: 241417
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 43.90 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU023729.D
Acq: 08 May 2018 11:39

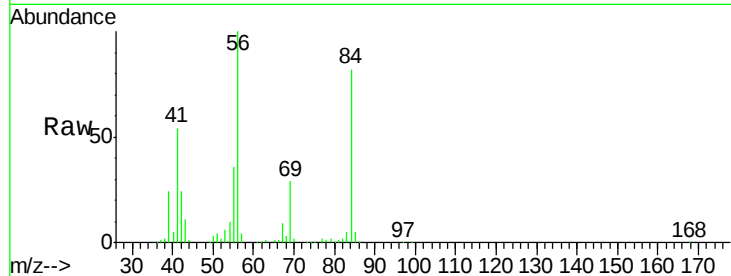
Tgt Ion: 62 Resp: 188338
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8





#29
Cyclohexane
Concen: 44.86 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU023729.D
Acq: 08 May 2018 11:39

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.6	35.4
84	82.3	65.8	98.8

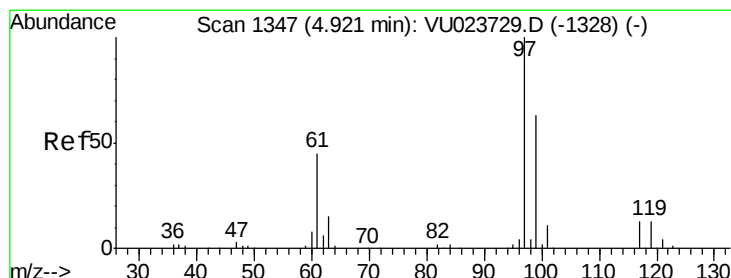
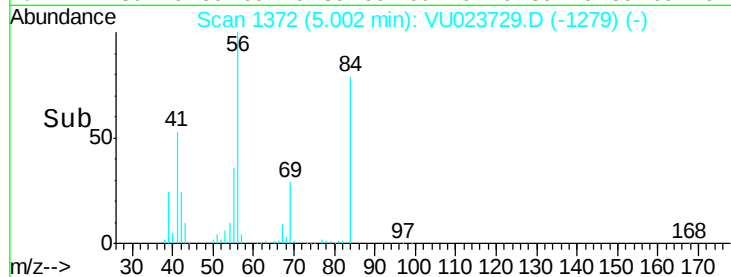
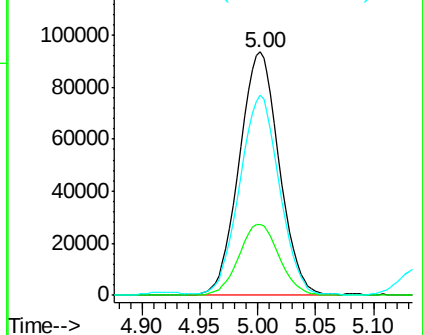


Abundance

Ion 56.00 (55.70 to 56.70): VU0

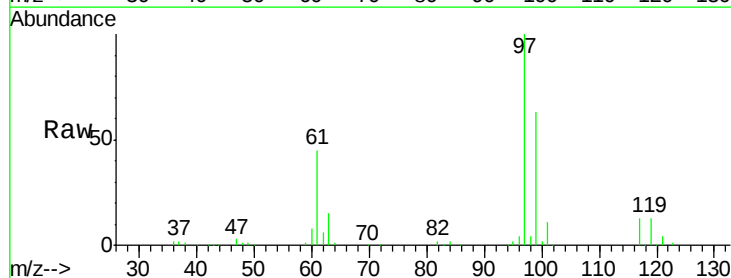
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30
1,1,1-Trichloroethane
Concen: 44.81 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU023729.D
Acq: 08 May 2018 11:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	45.6	36.5	54.7

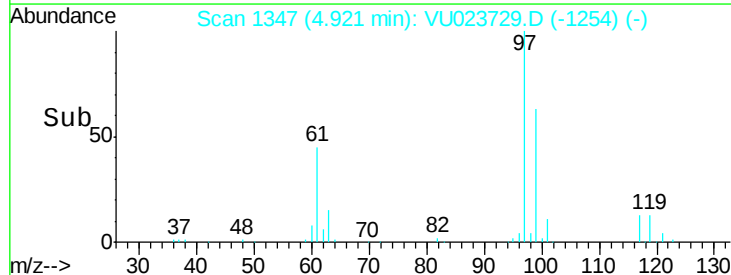
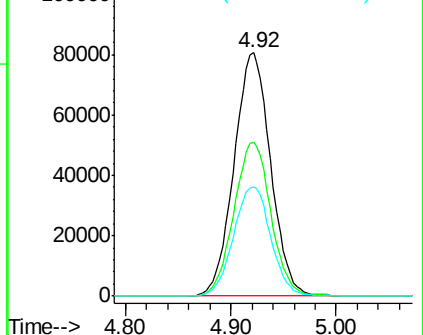


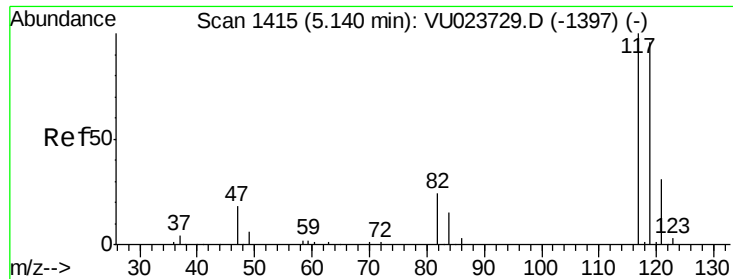
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 44.63 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU023729.D

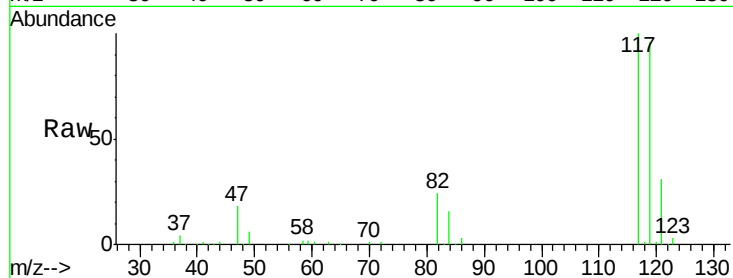
Acq: 08 May 2018 11:39

Tgt Ion: 117 Resp: 168005

Ion Ratio Lower Upper

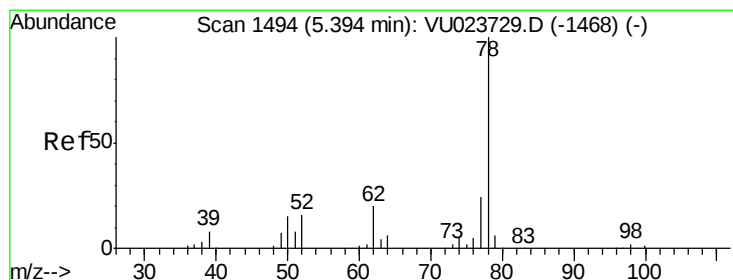
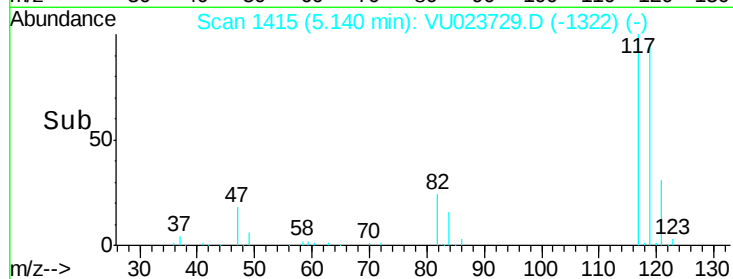
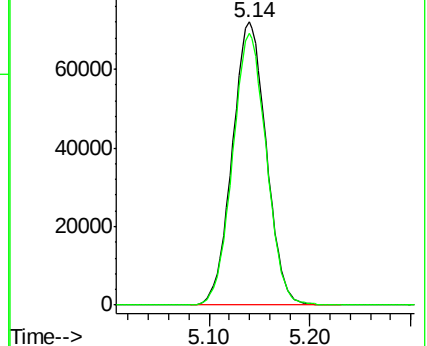
117 100

119 95.5 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 44.77 ug/L

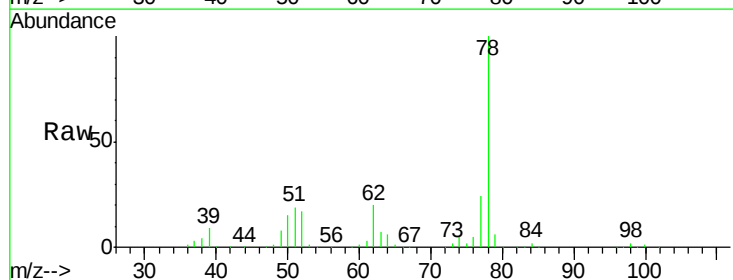
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

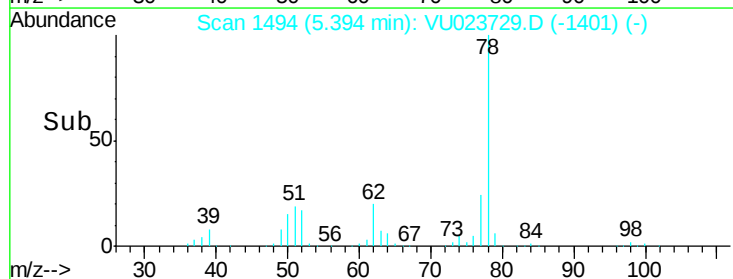
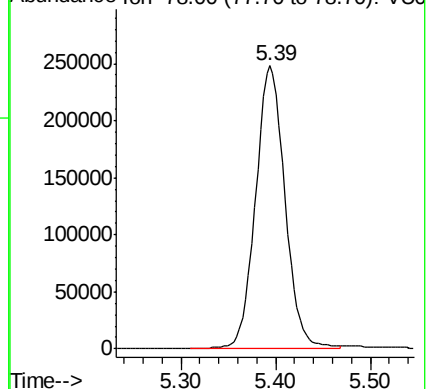
Lab File: VU023729.D

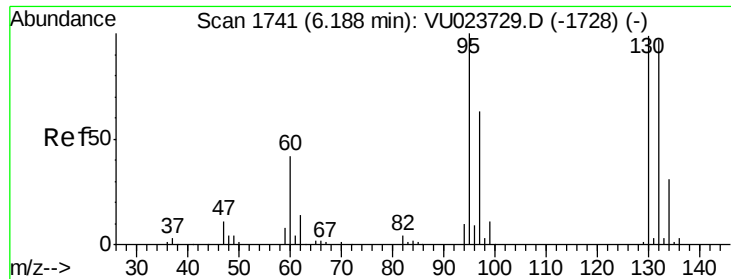
Acq: 08 May 2018 11:39

Tgt Ion: 78 Resp: 536460



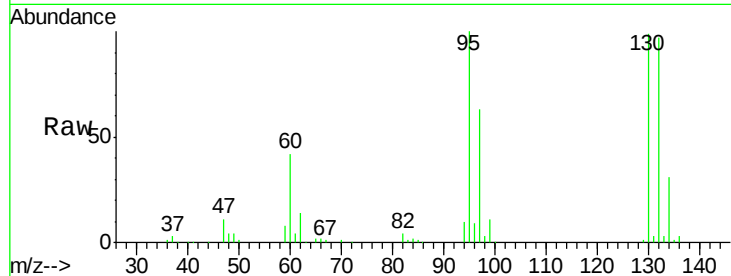
Abundance Ion 78.00 (77.70 to 78.70): VU0



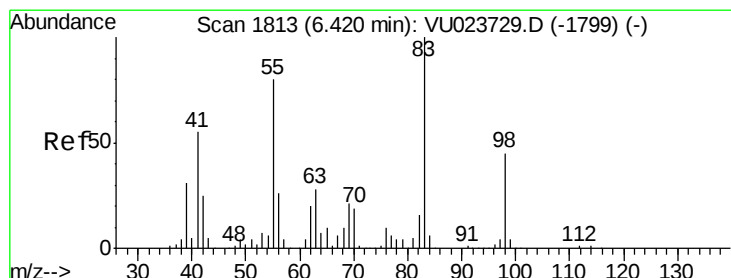
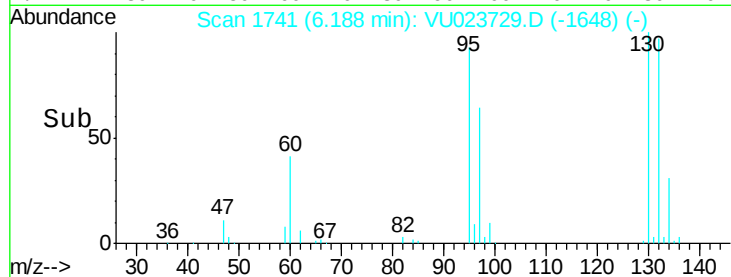
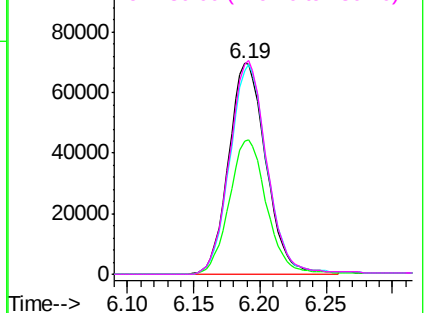


#34
 Trichloroethene
 Concen: 44.28 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU023729.D
 Acq: 08 May 2018 11:39

Tgt Ion:	95	Resp:	136865
Ion	Ratio	Lower	Upper
95	100		
97	63.2	44.2	82.2
132	96.8	67.8	125.8
130	99.4	69.6	129.2

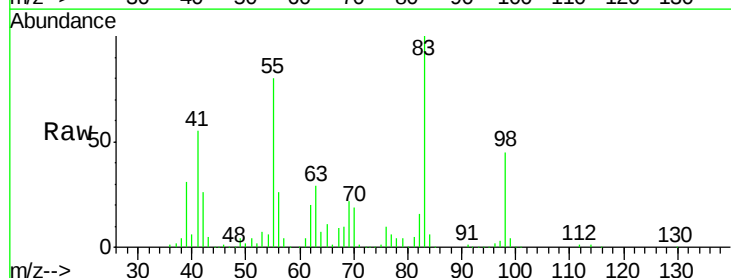


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

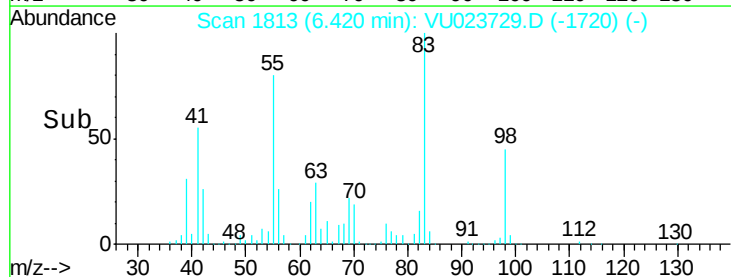
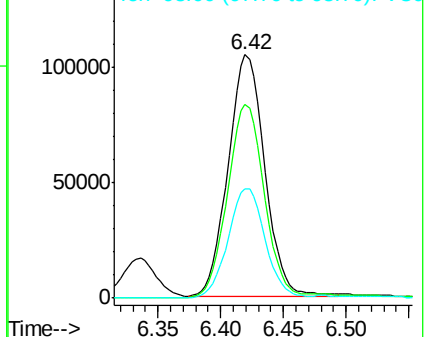


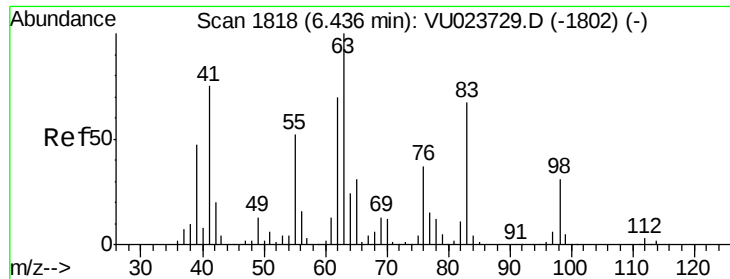
#35
 Methylcyclohexane
 Concen: 44.44 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU023729.D
 Acq: 08 May 2018 11:39

Tgt Ion:	83	Resp:	212546
Ion	Ratio	Lower	Upper
83	100		
55	81.0	64.8	97.2
98	45.9	36.7	55.1



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 44.53 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU023729.D

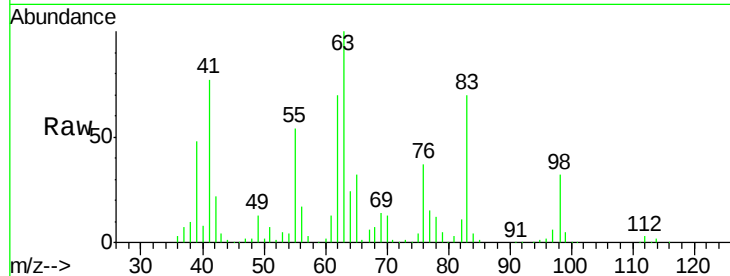
Acq: 08 May 2018 11:39

Tgt Ion: 63 Resp: 153735

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

80000

60000

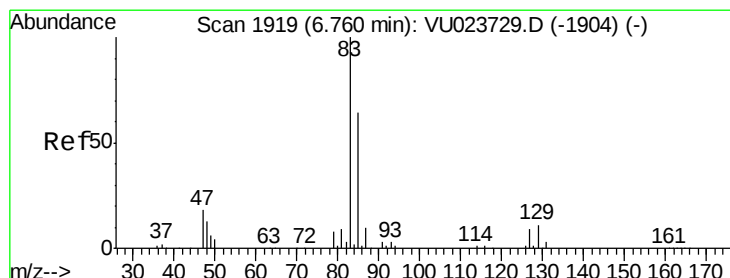
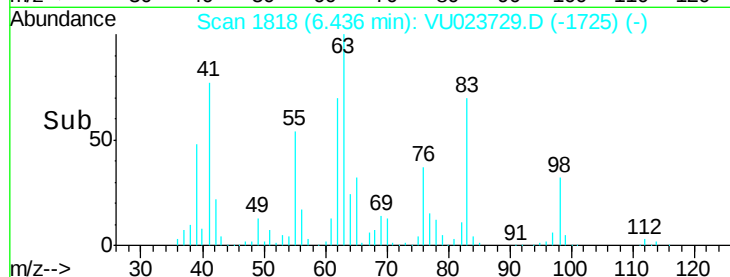
40000

20000

0

6.40 6.50 6.60

Time-->



#38

Bromodichloromethane

Concen: 45.24 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

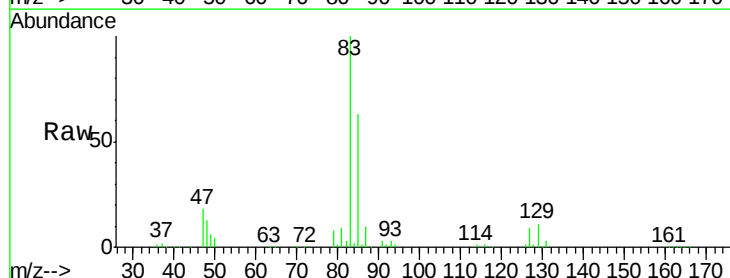
Tgt Ion: 83 Resp: 176555

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

127 8.6 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

120000

100000

80000

60000

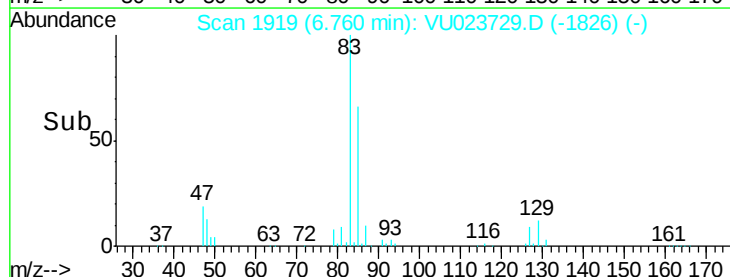
40000

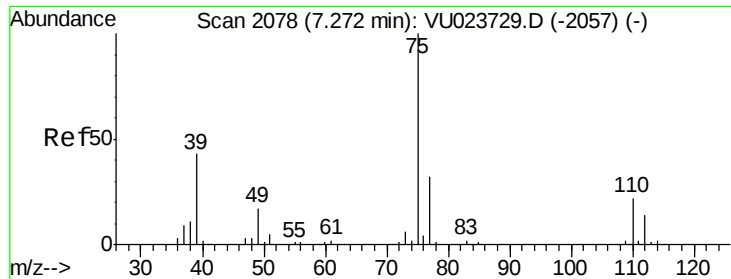
20000

0

6.70 6.80

Time-->





#39

cis-1,3-Dichloropropene

Concen: 46.47 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU023729.D

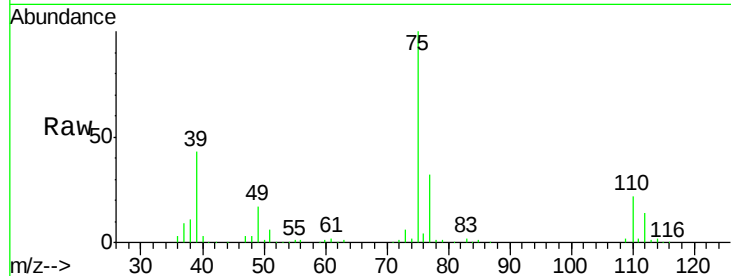
Acq: 08 May 2018 11:39

Tgt Ion: 75 Resp: 221042

Ion Ratio Lower Upper

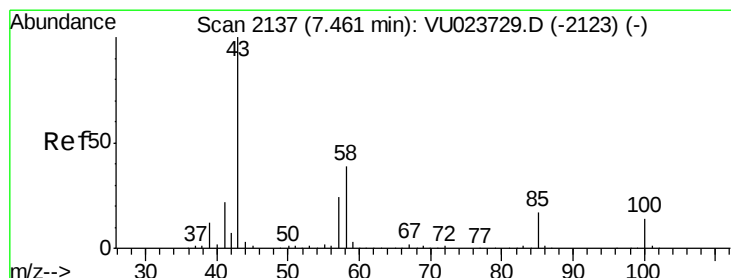
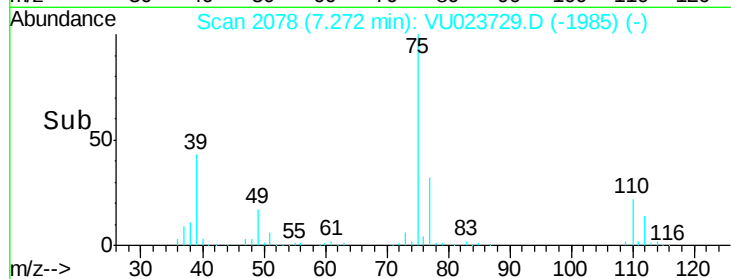
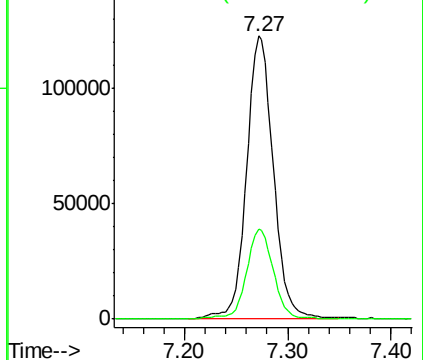
75 100

77 31.7 22.2 41.2



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: 99.30 ug/L

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

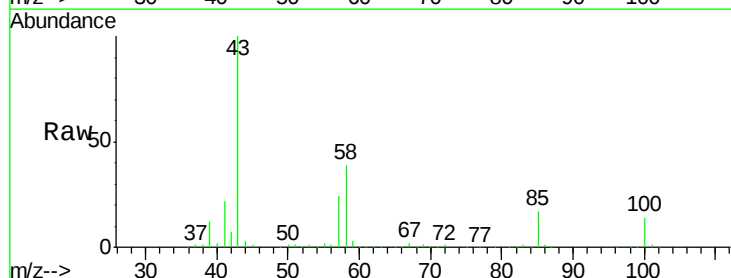
Tgt Ion: 43 Resp: 424035

Ion Ratio Lower Upper

43 100

58 39.1 31.3 46.9

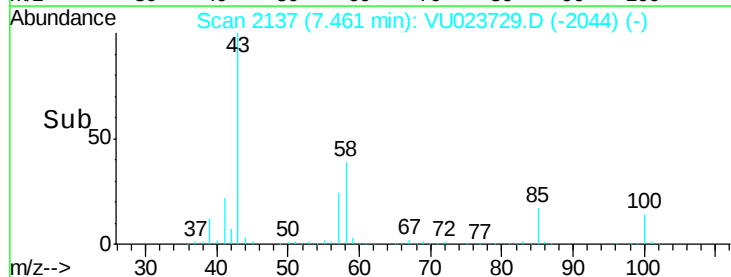
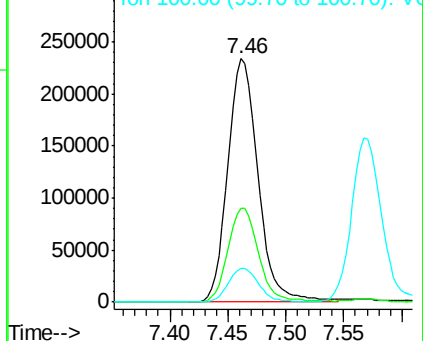
100 14.0 11.2 16.8

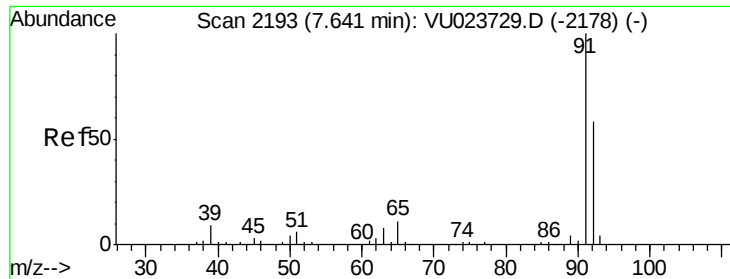


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 46.19 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU023729.D

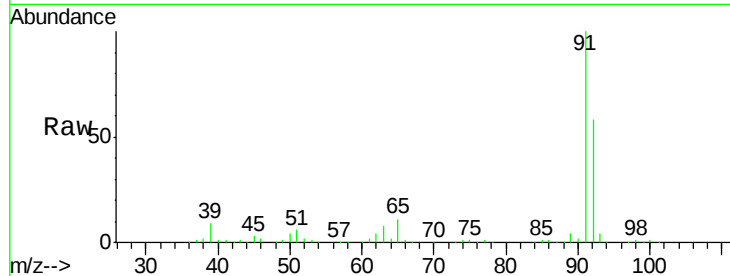
Acq: 08 May 2018 11:39

Tgt Ion: 91 Resp: 574733

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

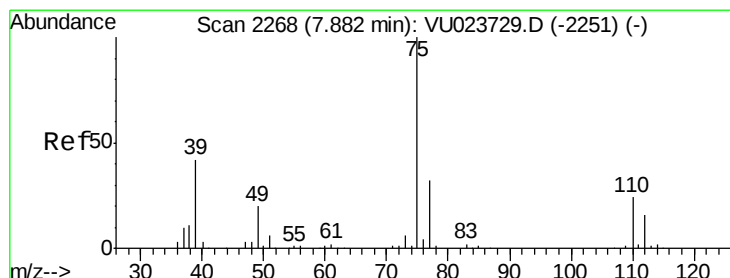
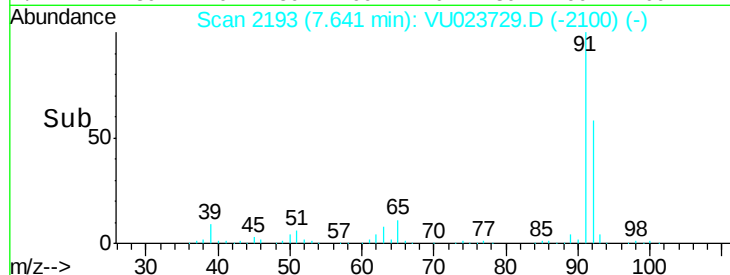
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.12 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU023729.D

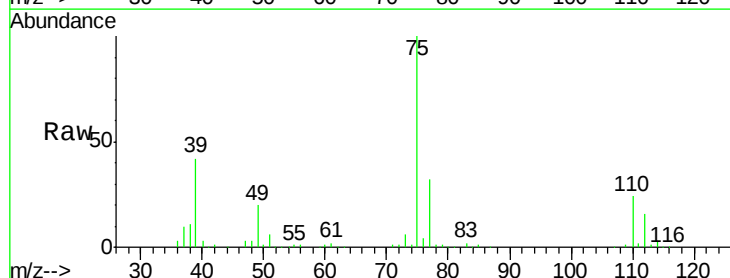
Acq: 08 May 2018 11:39

Tgt Ion: 75 Resp: 195417

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

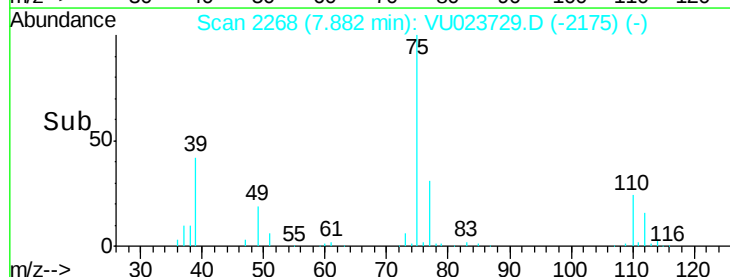
7.88

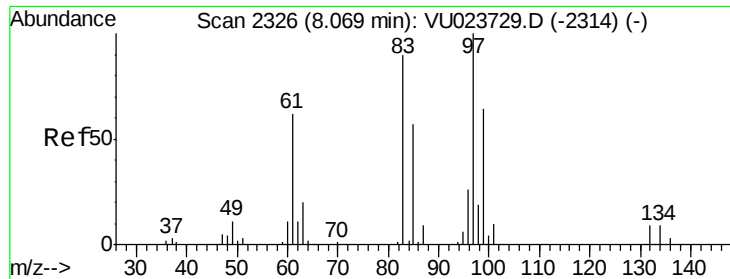
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 45.25 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

Tgt Ion: 97 Resp: 133465

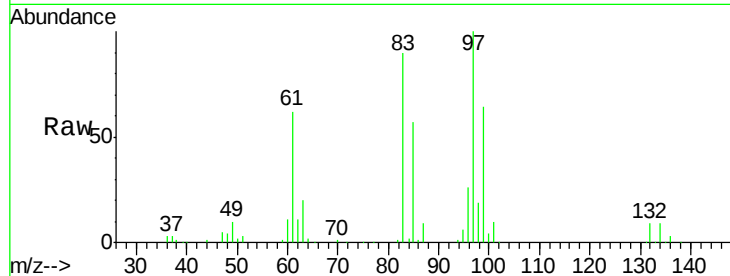
Ion Ratio Lower Upper

97 100

99 64.3 45.0 83.6

83 90.2 63.1 117.3

85 57.4 40.2 74.6

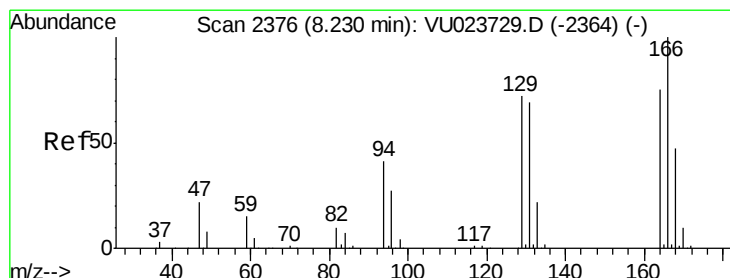
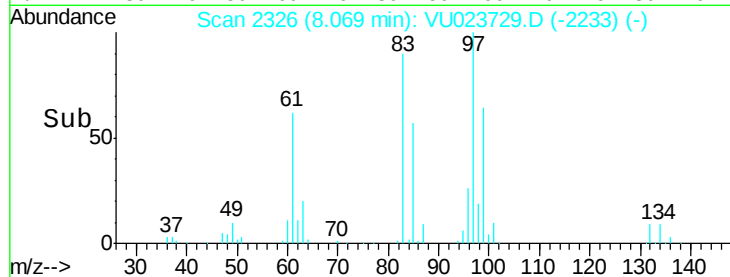
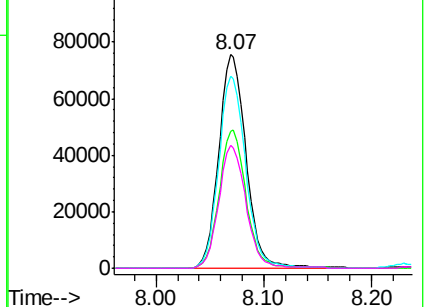


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 44.44 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

Tgt Ion: 164 Resp: 111359

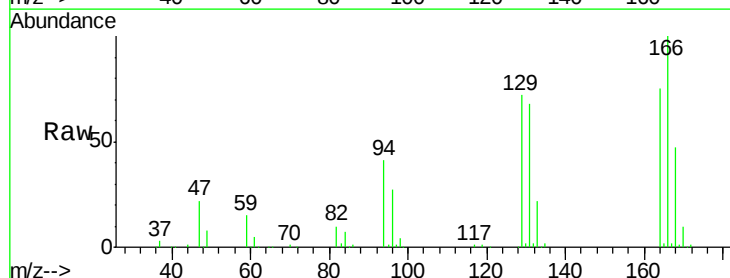
Ion Ratio Lower Upper

164 100

129 95.6 66.9 124.3

131 90.8 63.6 118.0

166 132.8 93.0 172.6

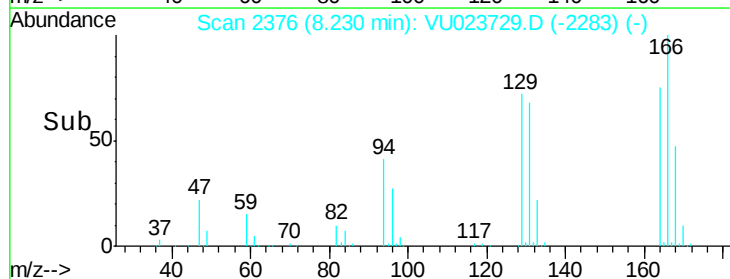
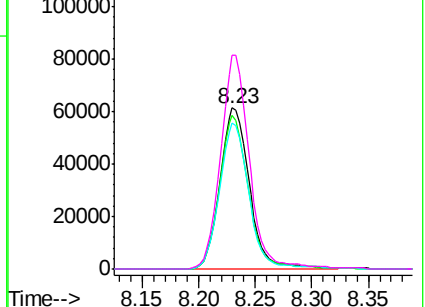


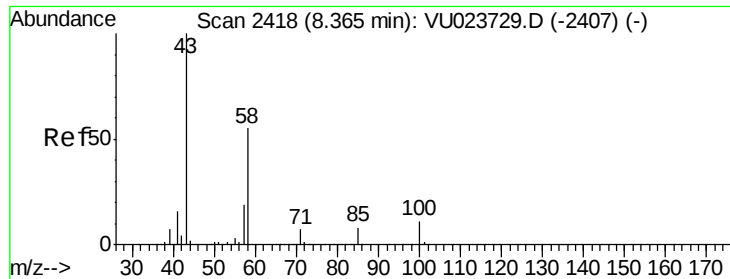
Abundance Ion 164.00 (163.70 to 164.70): V

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





#48

2-Hexanone

Concen: 96.16 ug/L

RT: 8.36 min Scan# 2418

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

Tgt Ion: 43 Resp: 354853

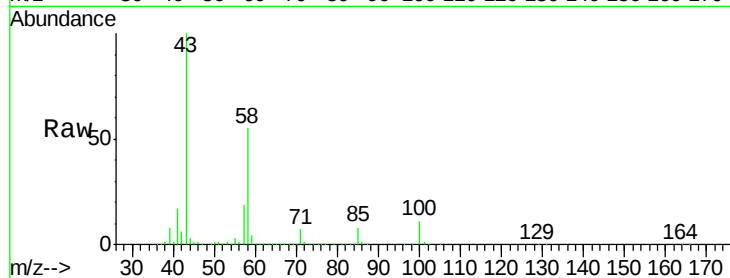
Ion Ratio Lower Upper

43 100

58 54.2 43.4 65.0

57 18.7 15.0 22.4

100 10.9 8.7 13.1

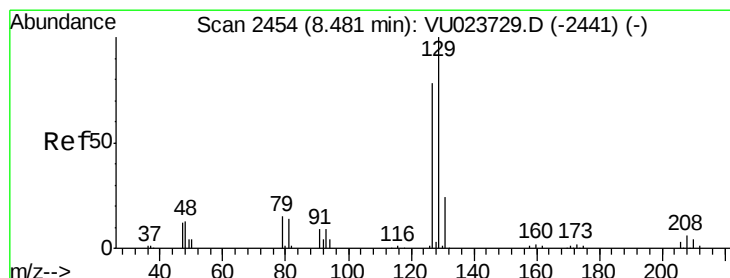
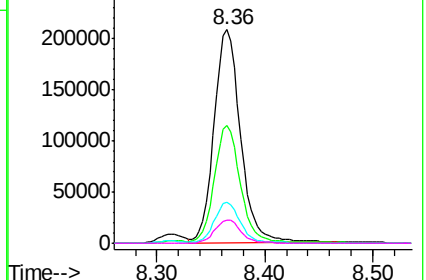
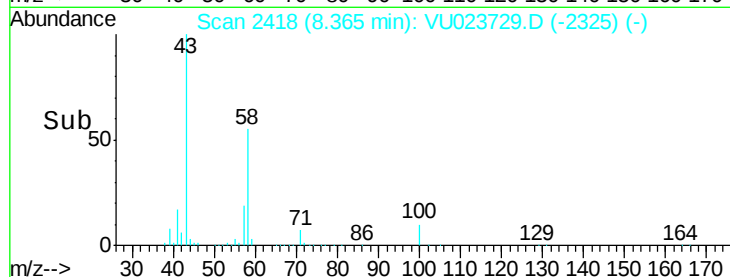


Abundance Ion 43.00 (42.70 to 43.70): VU0

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



#49

Dibromochloromethane

Concen: 46.35 ug/L

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU023729.D

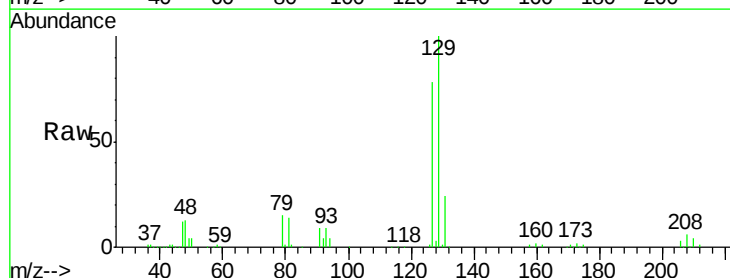
Acq: 08 May 2018 11:39

Tgt Ion: 129 Resp: 143842

Ion Ratio Lower Upper

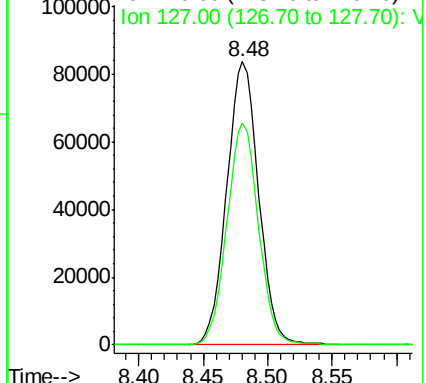
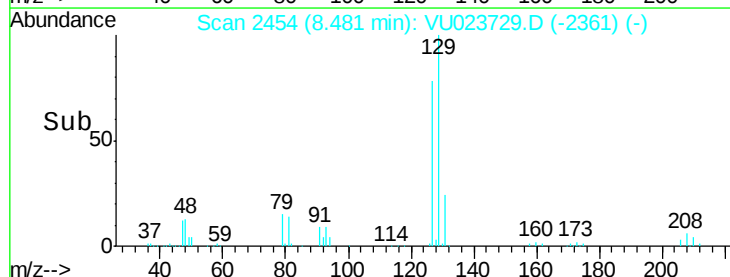
129 100

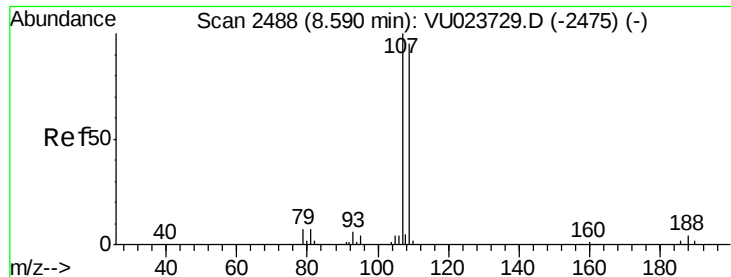
127 78.3 54.8 101.8



Abundance Ion 129.00 (128.70 to 129.70): V

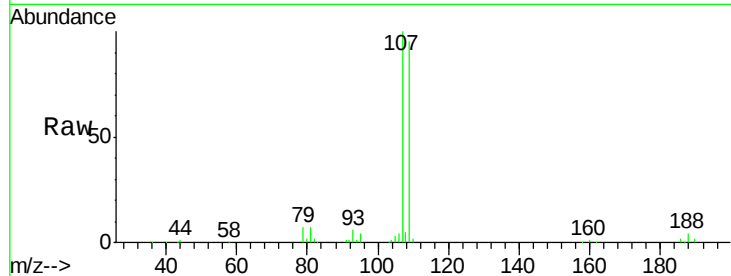
Ion 127.00 (126.70 to 127.70): V



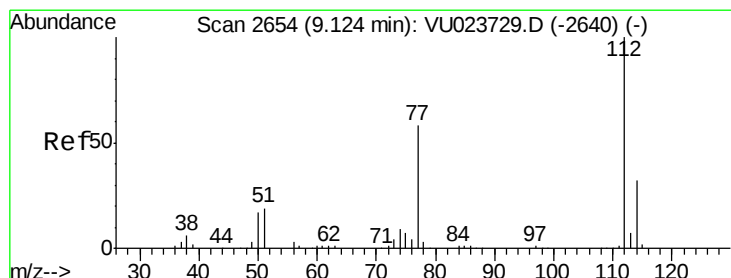
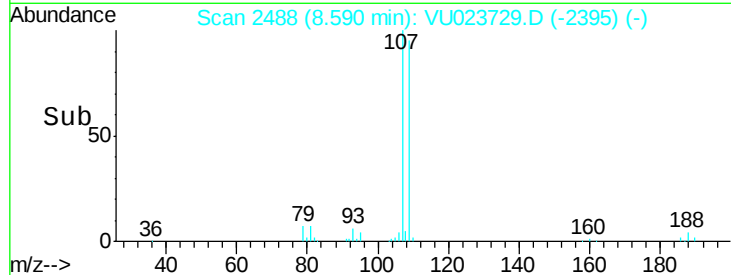
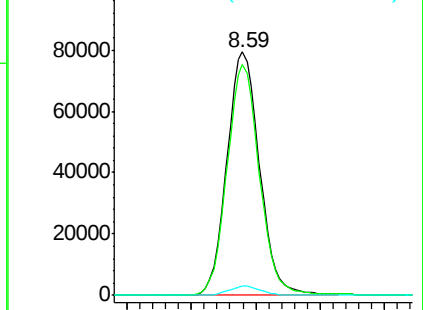


#50
1,2-Dibromoethane
Concen: 46.54 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU023729.D
Acq: 08 May 2018 11:39

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	66.4	123.2
188	3.9	3.1	4.7

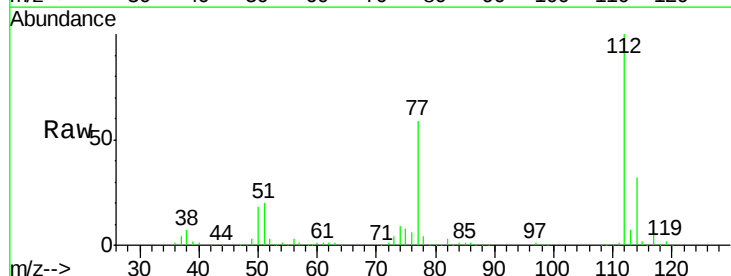


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

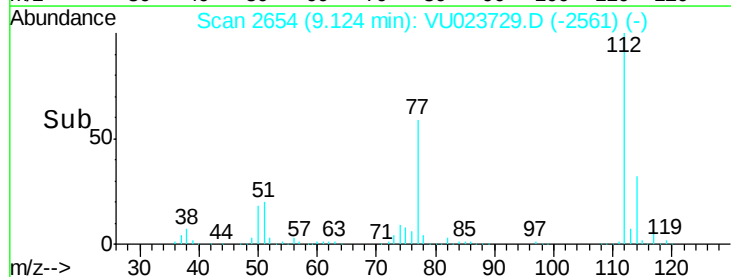
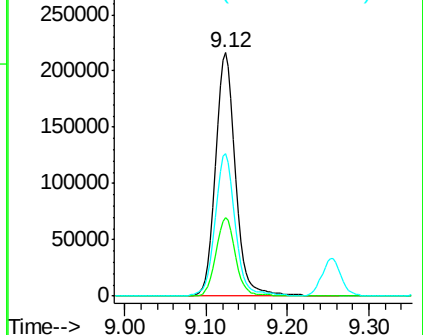


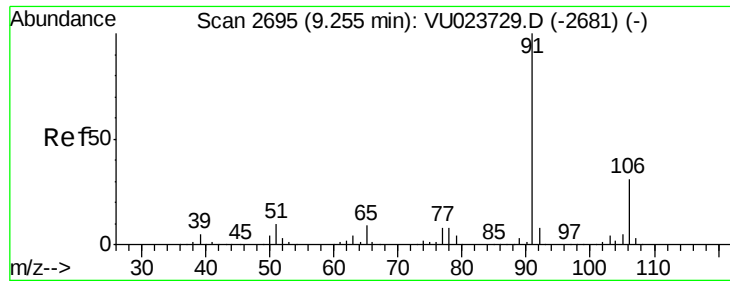
#51
Chlorobenzene
Concen: 45.05 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU023729.D
Acq: 08 May 2018 11:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.6	42.0
77	58.6	46.9	70.3



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





#52

Ethylbenzene

Concen: 46.78 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU023729.D

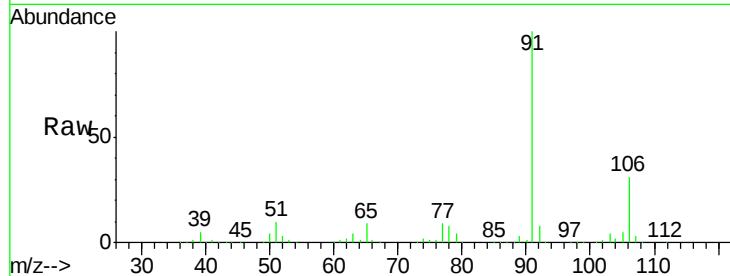
Acq: 08 May 2018 11:39

Tgt Ion: 91 Resp: 633115

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

400000

300000

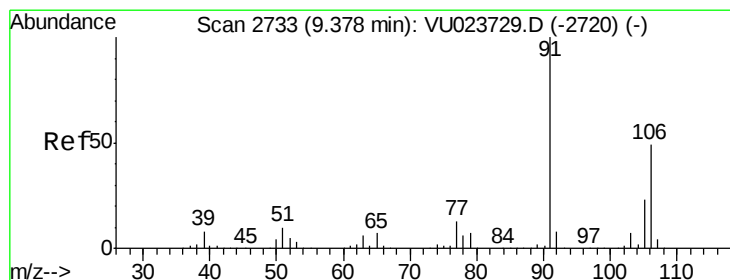
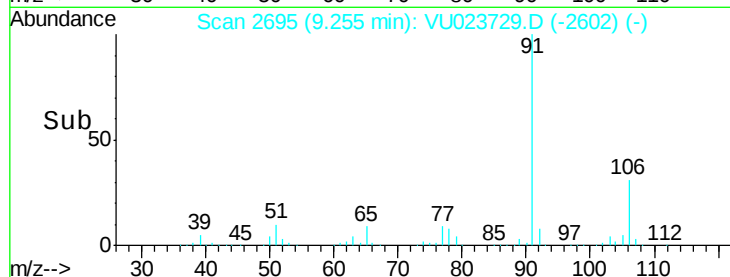
200000

100000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 46.68 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU023729.D

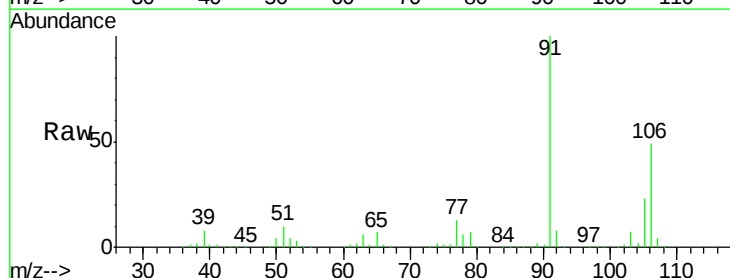
Acq: 08 May 2018 11:39

Tgt Ion: 106 Resp: 240339

Ion Ratio Lower Upper

106 100

91 203.2 142.2 264.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

300000

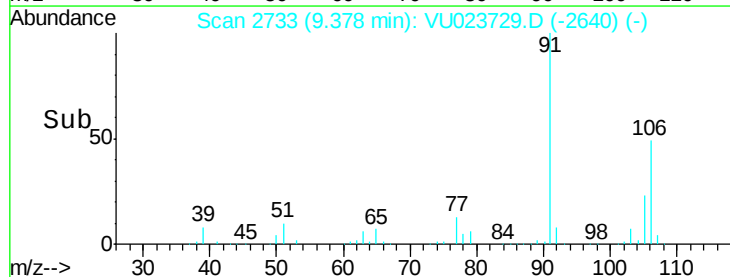
200000

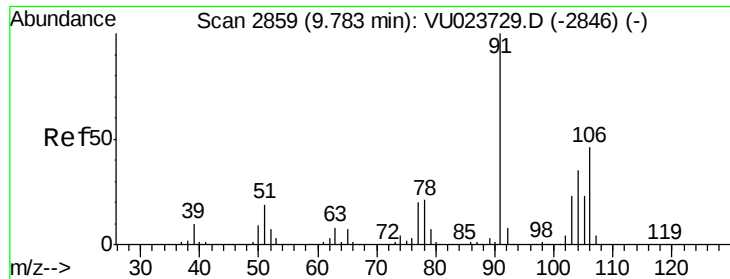
100000

0

9.30 9.35 9.40 9.45

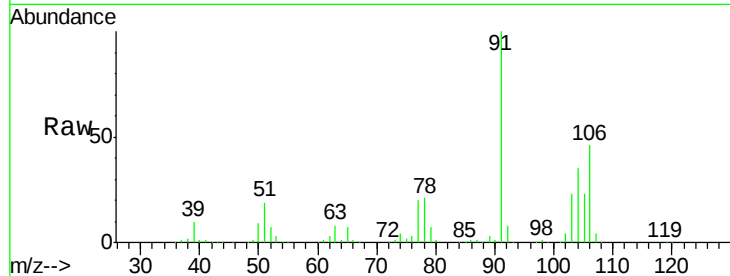
Time-->



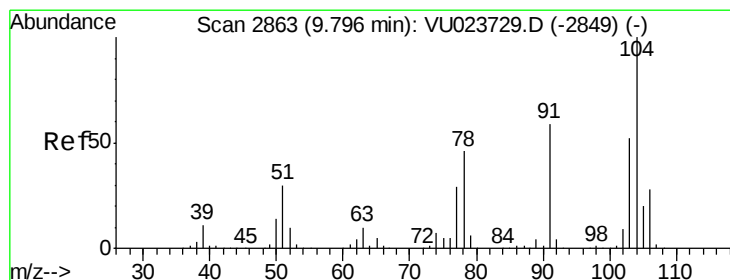
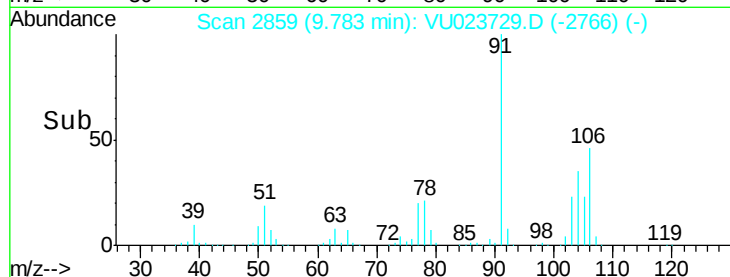
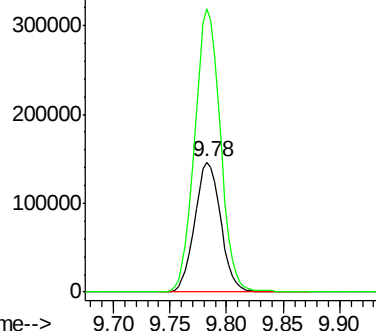


#54
o-xylene
Concen: 48.03 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU023729.D
Acq: 08 May 2018 11:39

Tgt Ion:106 Resp: 235262
Ion Ratio Lower Upper
106 100
91 218.0 152.6 283.4

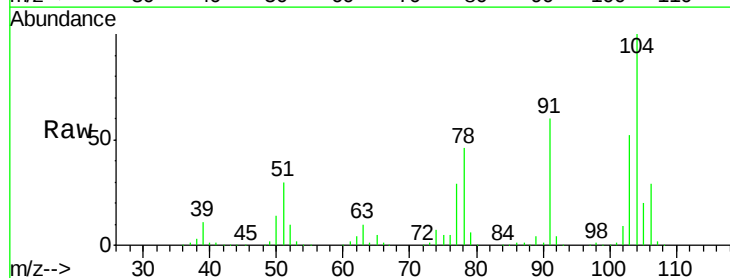


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

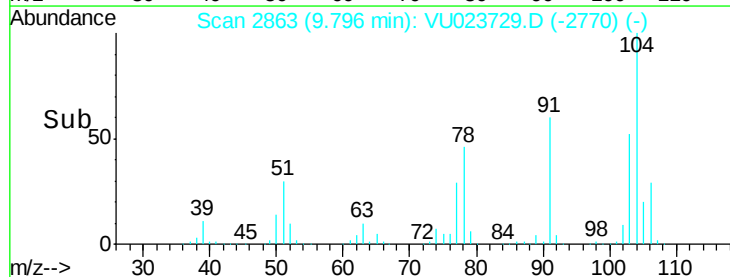
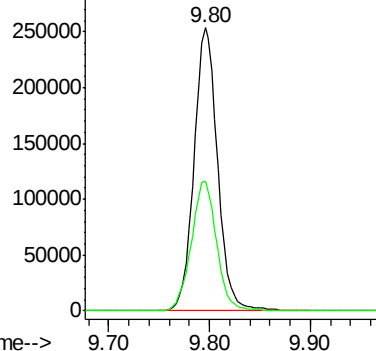


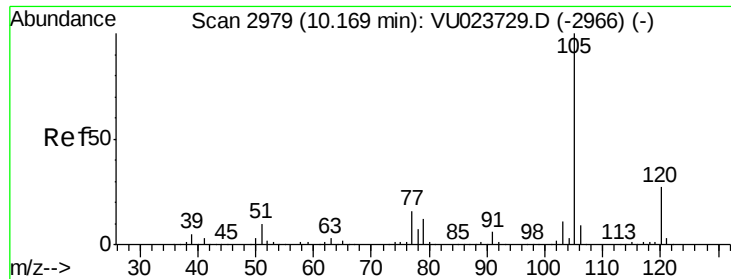
#55
Styrene
Concen: 48.39 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU023729.D
Acq: 08 May 2018 11:39

Tgt Ion:104 Resp: 414582
Ion Ratio Lower Upper
104 100
78 45.8 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.20 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

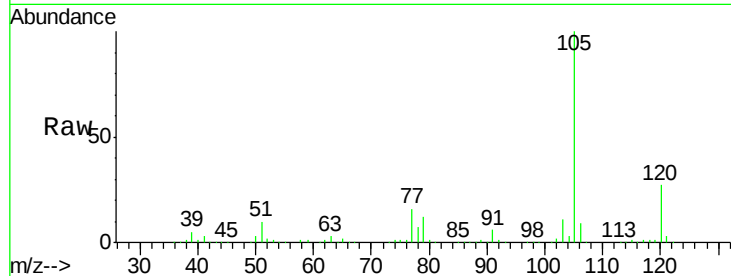
Tgt Ion: 105 Resp: 621788

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

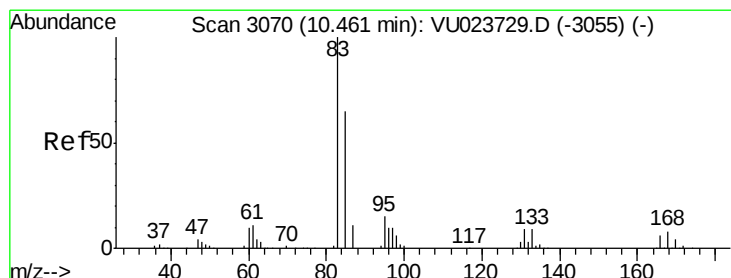
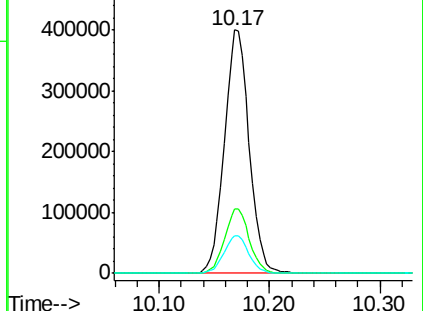
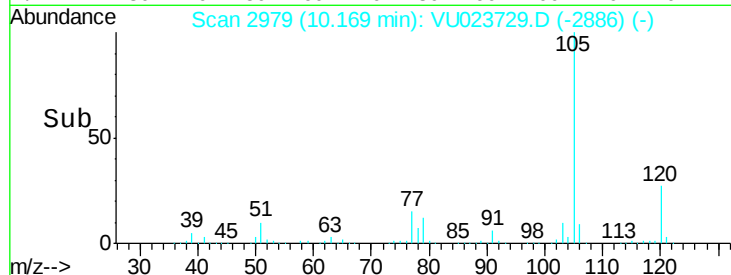
77 15.4 12.3 18.5



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: 46.51 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

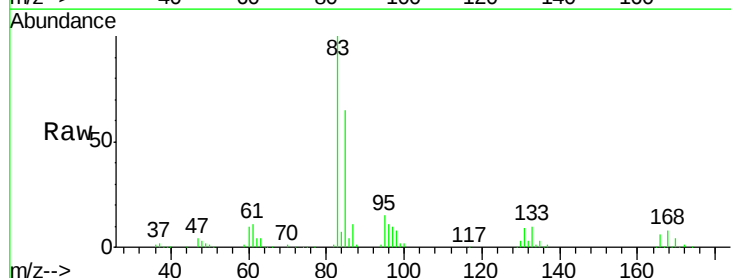
Tgt Ion: 83 Resp: 226490

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5

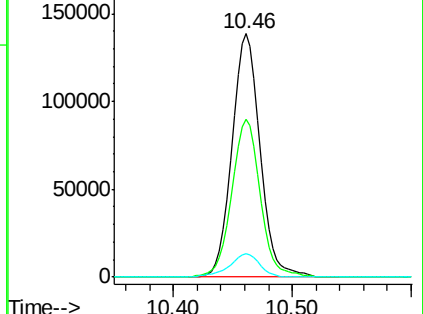
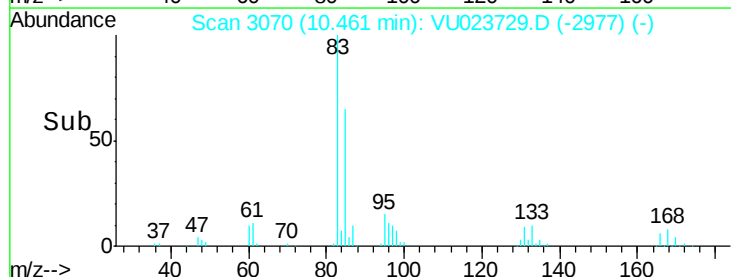
131 9.5 7.6 11.4

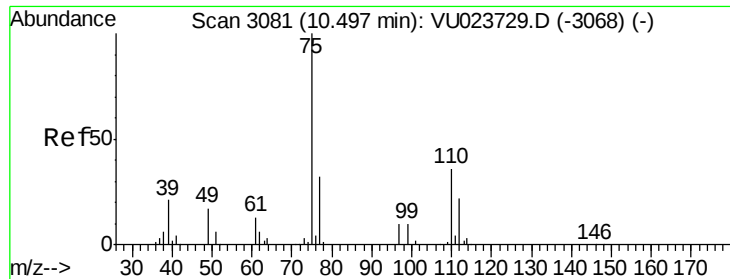


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

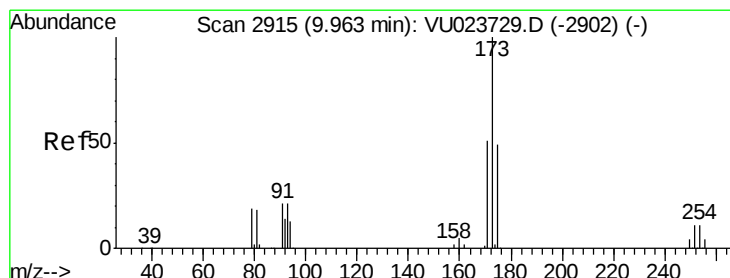
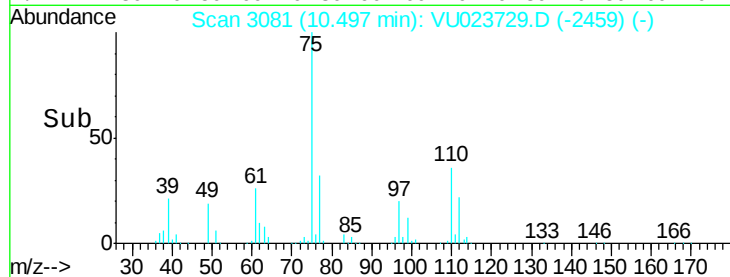
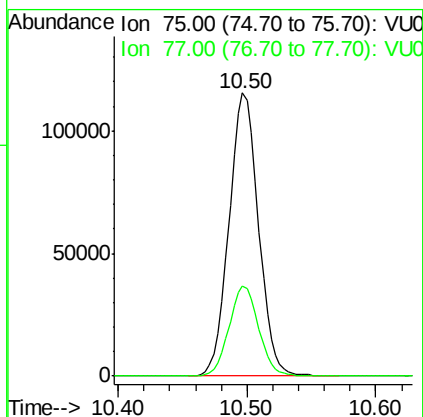
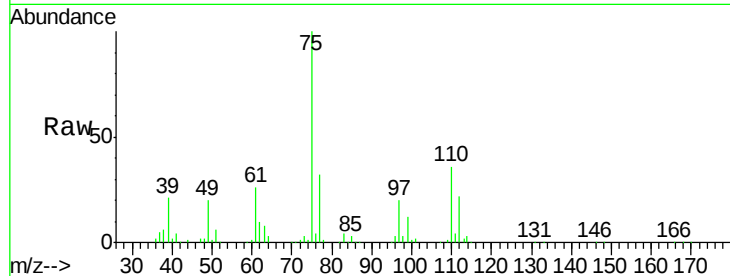
Ion 131.00 (130.70 to 131.70): V





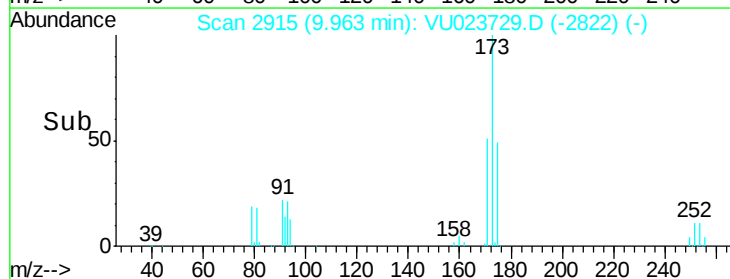
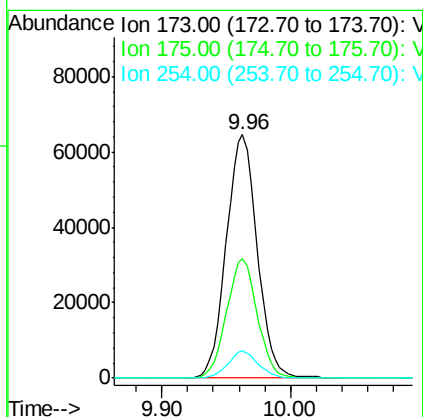
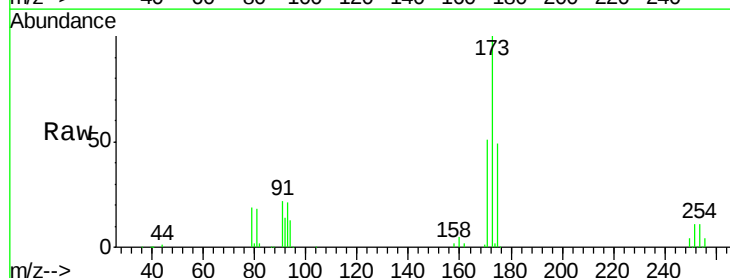
#59
 1,2,3-Trichloropropane
 Concen: 47.43 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU023729.D
 Acq: 08 May 2018 11:39

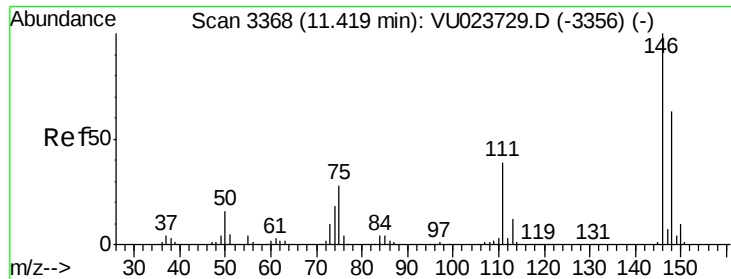
Tgt Ion: 75 Resp: 183359
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4



#61
 Bromoform
 Concen: 46.96 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU023729.D
 Acq: 08 May 2018 11:39

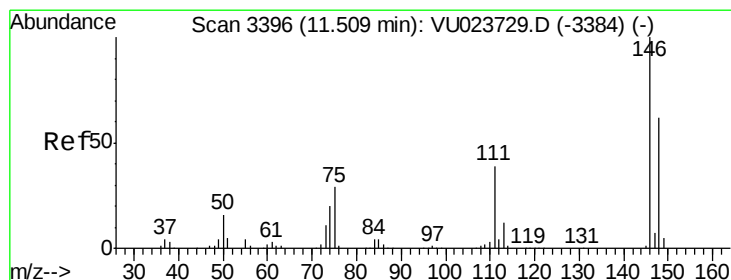
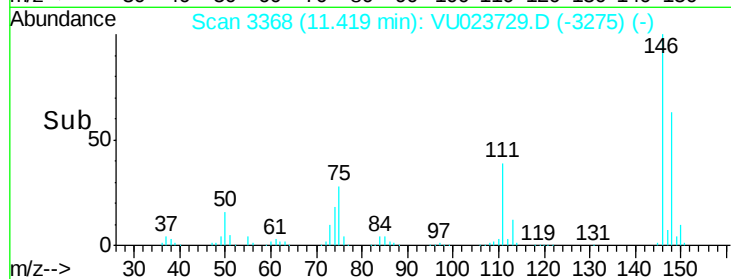
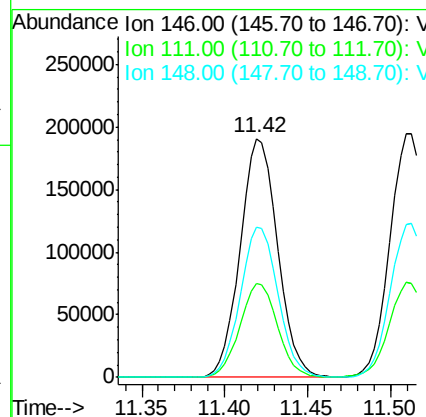
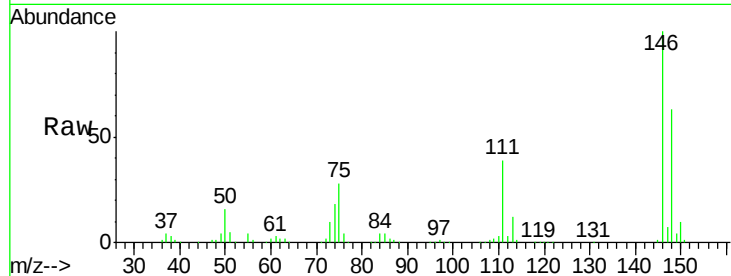
Tgt Ion: 173 Resp: 107403
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.9 58.3
 254 10.8 8.6 13.0





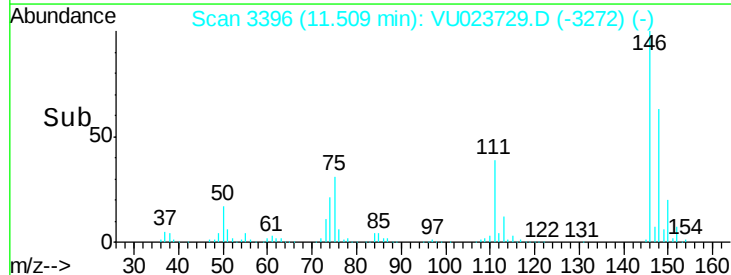
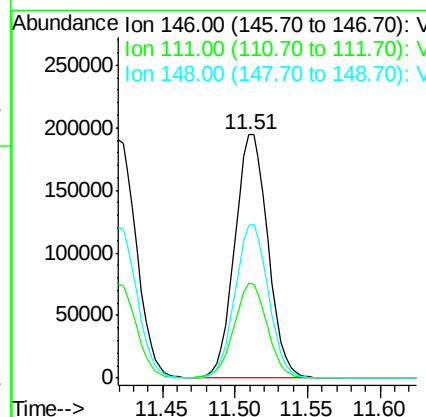
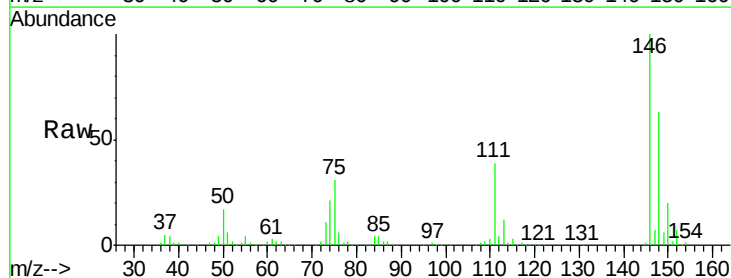
#62
 1,3-Dichlorobenzene
 Concen: 45.95 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU023729.D
 Acq: 08 May 2018 11:39

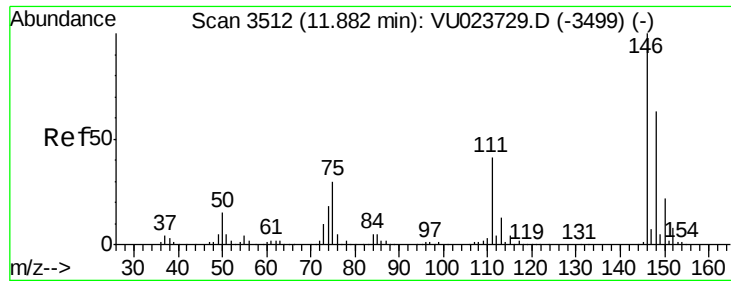
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	27.5	51.1
148	63.1	44.2	82.0



#63
 1,4-Dichlorobenzene
 Concen: 45.42 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU023729.D
 Acq: 08 May 2018 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.3	50.7
148	62.5	43.8	81.3





#65

1,2-Dichlorobenzene

Concen: 45.97 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

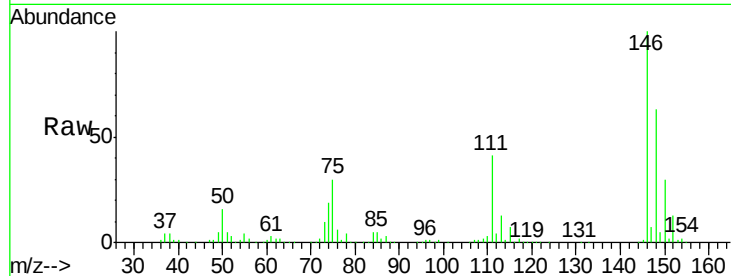
Tgt Ion: 146 Resp: 306843

Ion Ratio Lower Upper

146 100

111 40.6 32.5 48.7

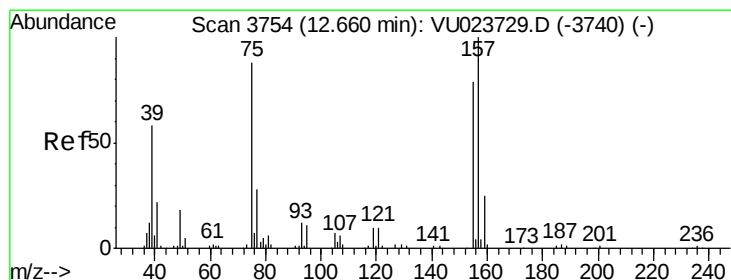
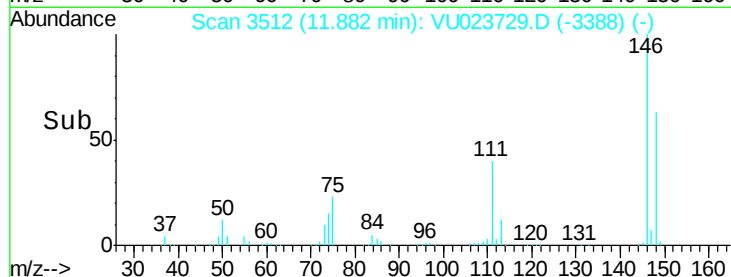
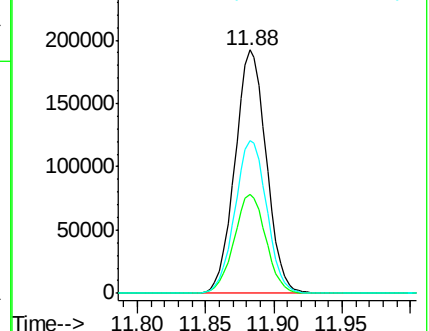
148 62.9 50.3 75.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 48.64 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU023729.D

Acq: 08 May 2018 11:39

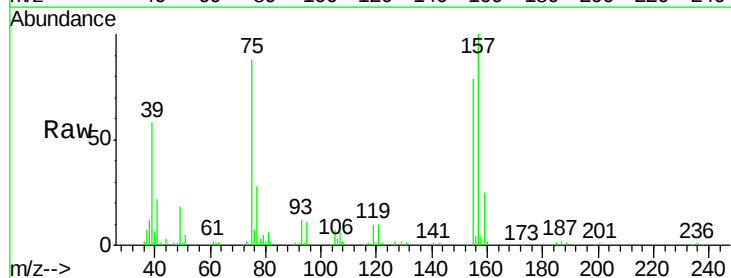
Tgt Ion: 75 Resp: 47706

Ion Ratio Lower Upper

75 100

155 89.6 71.7 107.5

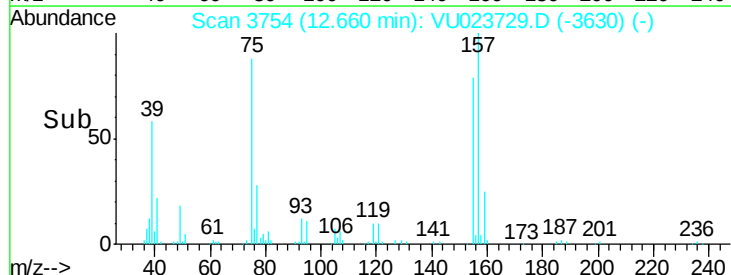
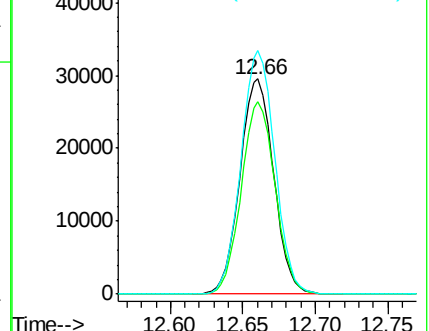
157 113.3 90.6 136.0

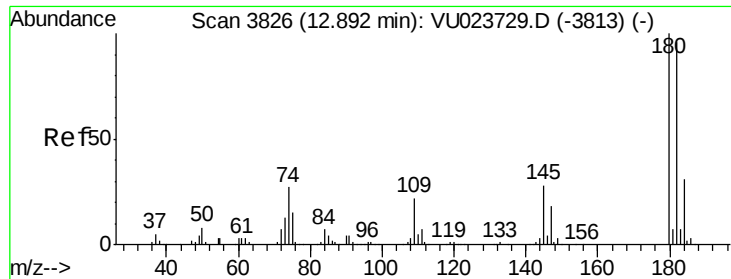


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

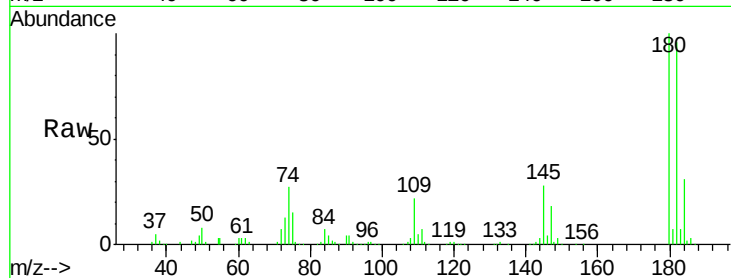
Ion 157.00 (156.70 to 157.70): V





#67
 1,3,5-Trichlorobenzene
 Concen: 44.95 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU023729.D
 Acq: 08 May 2018 11:39

Tgt Ion:	180	Resp:	244280
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
184	30.7	24.6	36.8
145	27.8	22.2	33.4

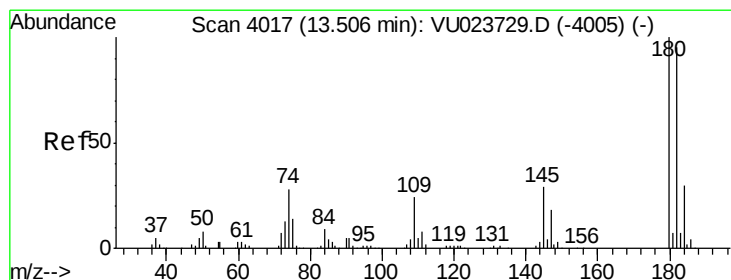
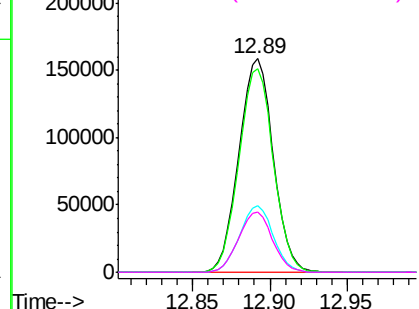
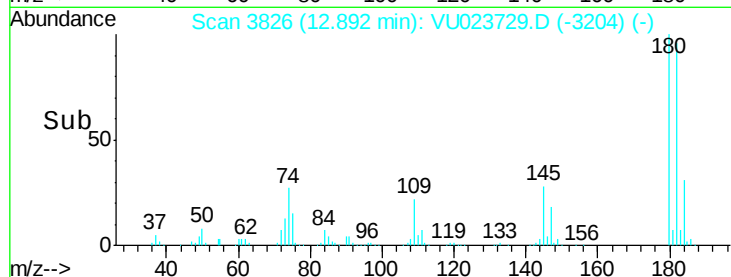


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

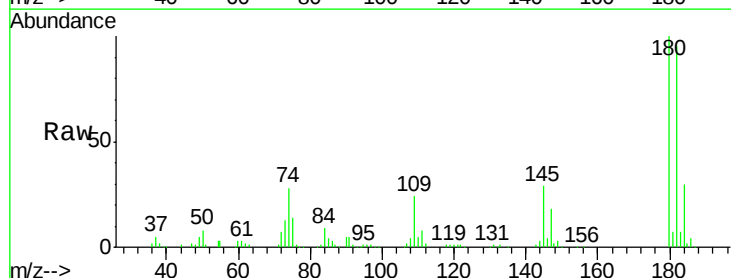
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.27 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU023729.D
 Acq: 08 May 2018 11:39

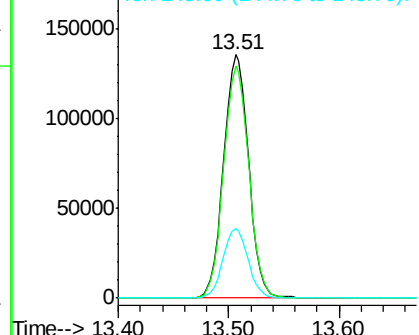
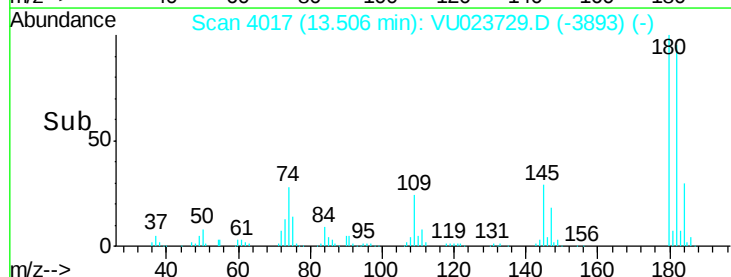
Tgt Ion:	180	Resp:	213825
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	28.4	22.7	34.1

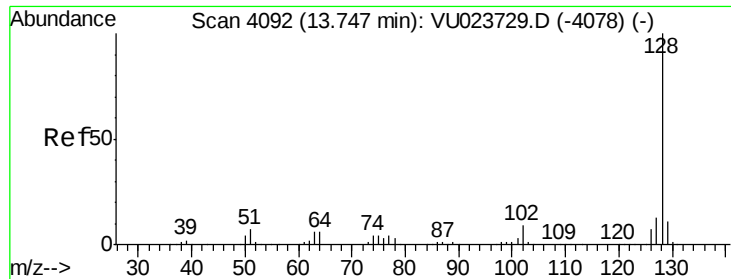


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

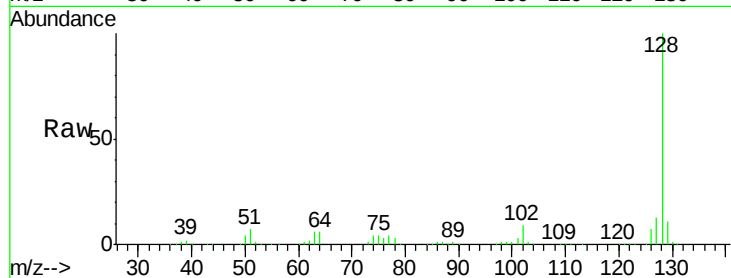
Ion 145.00 (144.70 to 145.70): V



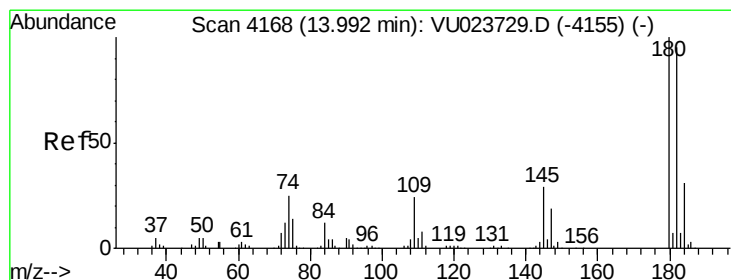
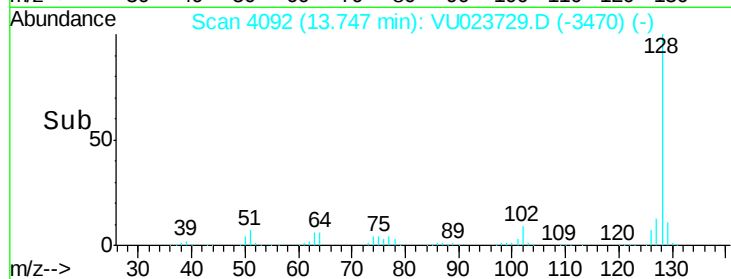
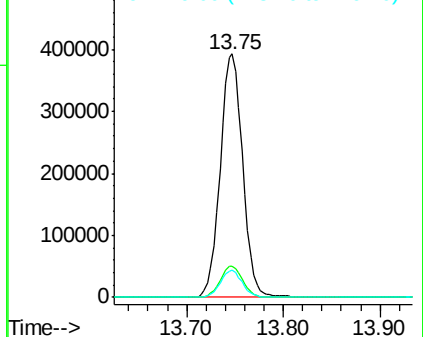


#69
Naphthalene
Concen: 52.11 ug/L
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU023729.D
Acq: 08 May 2018 11:39

Tgt Ion:128 Resp: 632912
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.7 13.1

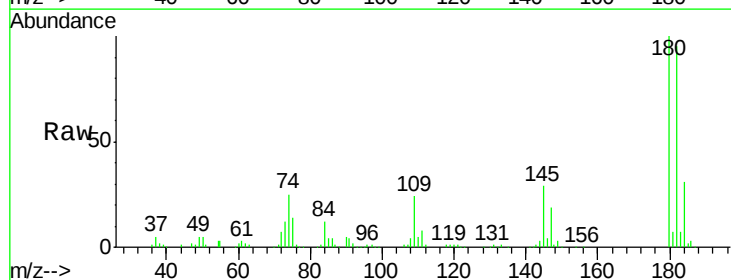


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 47.36 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU023729.D
Acq: 08 May 2018 11:39

Tgt Ion:180 Resp: 222799
Ion Ratio Lower Upper
180 100
182 94.7 75.8 113.6
145 29.5 23.6 35.4



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

