

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052618\
 Data File : VU024180.D
 Acq On : 27 May 2018 10:18
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: May 28 02:23:50 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM052518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 28 02:19:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	318163	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	298243	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	141411	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	132062	54.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.20%
7) Chloroethane-d5	1.68	69	104773	54.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.10%
11) 1,1-Dichloroethene-d2	2.27	63	233984	52.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.00%
21) 2-Butanone-d5	4.18	46	181253	94.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.26%
24) Chloroform-d	4.65	84	224856	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.76%
26) 1,2-Dichloroethane-d4	5.31	65	140918	51.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.64%
32) Benzene-d6	5.35	84	459802	55.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.42%
36) 1,2-Dichloropropane-d6	6.34	67	148235	52.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.80%
41) Toluene-d8	7.57	98	426597	55.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.54%
43) trans-1,3-Dichloropropene-	7.85	79	61966	55.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.18%
47) 2-Hexanone-d5	8.31	63	124812	92.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.48%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	202613	49.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	160430	51.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.48%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	159638	50.38	ug/L	99
3) Chloromethane	1.33	50	165722	47.04	ug/L	98
5) Vinyl chloride	1.40	62	163571	48.95	ug/L	99
6) Bromomethane	1.63	94	83319	48.33	ug/L	96
8) Chloroethane	1.70	64	98531	49.81	ug/L	100
9) Trichlorofluoromethane	1.89	101	194830	50.49	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	124099	53.02	ug/L	98
12) 1,1-Dichloroethene	2.29	96	109168	49.96	ug/L	93
13) Acetone	2.32	43	196808	117.44	ug/L	99
14) Carbon disulfide	2.48	76	345473	48.75	ug/L	100
15) Methyl Acetate	2.62	43	145169	47.52	ug/L	100
16) Methylene chloride	2.71	84	131455	48.35	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	114271	49.86	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	354930	51.35	ug/L	100
19) 1,1-Dichloroethane	3.45	63	230111	49.84	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	129510	50.54	ug/L	97
22) 2-Butanone	4.26	43	231862	105.51	ug/L	100

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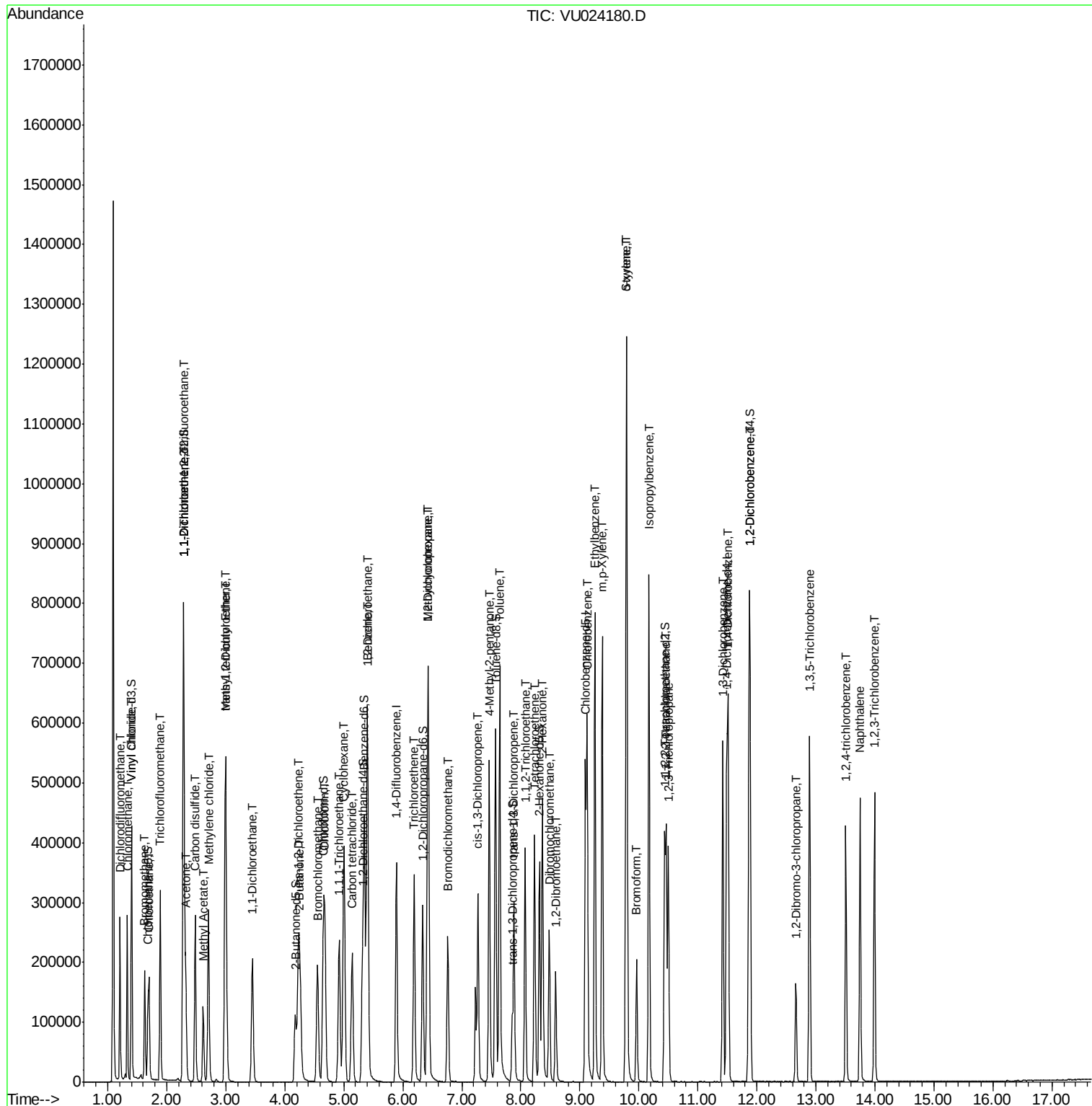
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

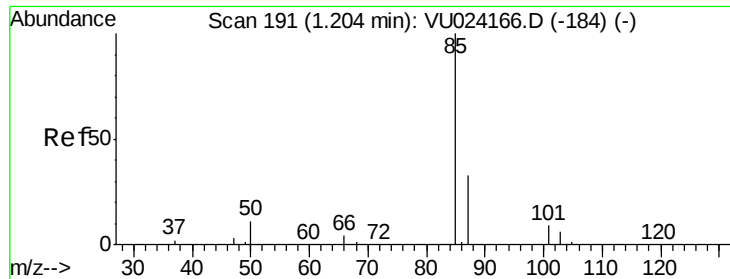
23) Bromochloromethane	4.55	128	66644	50.07	ug/L	98
25) Chloroform	4.68	83	226520	50.02	ug/L	100
27) 1,2-Dichloroethane	5.41	62	178024	49.51	ug/L	100
29) Cyclohexane	5.00	56	210016	53.64	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	183088	51.67	ug/L	98
31) Carbon tetrachloride	5.14	117	159118	51.29	ug/L	98
33) Benzene	5.39	78	508224	51.19	ug/L	100
34) Trichloroethene	6.19	95	124410	44.61	ug/L	99
35) Methylcyclohexane	6.42	83	208968	54.14	ug/L	99
37) 1,2-Dichloropropane	6.44	63	140924	50.61	ug/L	99
38) Bromodichloromethane	6.76	83	163891	50.09	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	192844	52.46	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	366609	97.11	ug/L	99
42) Toluene	7.64	91	536363	53.21	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	168109	51.35	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	124837	50.43	ug/L	98
46) Tetrachloroethene	8.23	164	101931	52.24	ug/L	99
48) 2-Hexanone	8.36	43	302870	101.69	ug/L	99
49) Dibromochloromethane	8.48	129	131343	50.44	ug/L	99
50) 1,2-Dibromoethane	8.59	107	127794	51.31	ug/L	98
51) Chlorobenzene	9.12	112	332518	50.83	ug/L	99
52) Ethylbenzene	9.26	91	560966	52.65	ug/L	100
53) m,p-Xylene	9.38	106	219721	54.43	ug/L	100
54) o-xylene	9.78	106	216178	53.48	ug/L	99
55) Styrene	9.80	104	359538	53.81	ug/L	100
56) Isopropylbenzene	10.17	105	548618	53.62	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	208027	47.77	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	168078	48.23	ug/L	99
61) Bromoform	9.96	173	94252	47.15	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	237777	50.22	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	245906	50.75	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	262392	50.16	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	41653	44.78	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	184763	52.86	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	135017	53.51	ug/L	100
69) Naphthalene	13.75	128	374813	50.44	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	152439	53.69	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 50.38 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024180.D

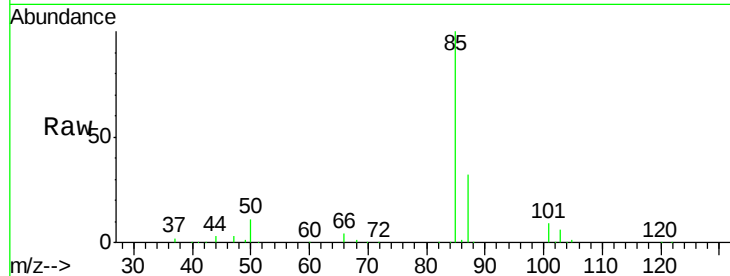
Acq: 27 May 2018 10:18

Tgt Ion: 85 Resp: 159638

Ion Ratio Lower Upper

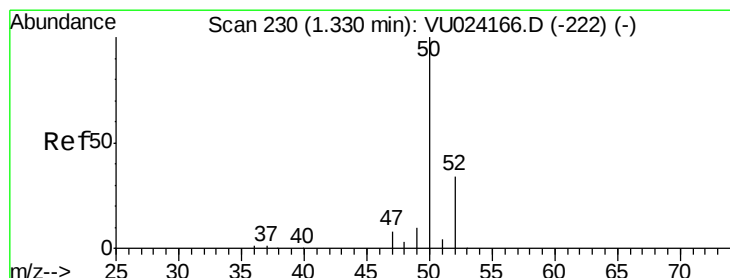
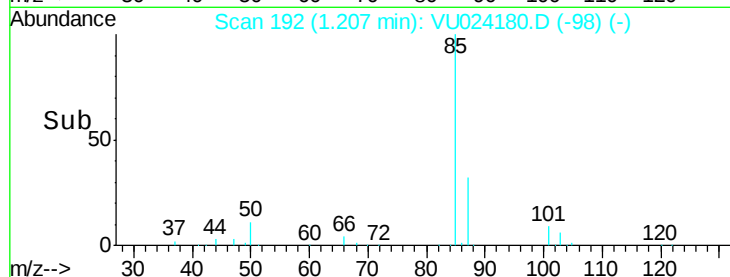
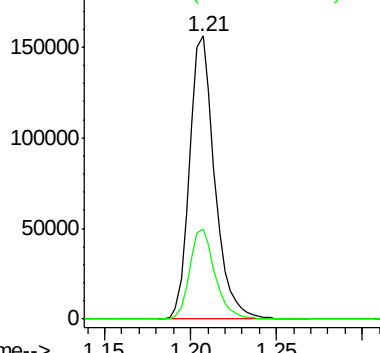
85 100

87 31.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 47.04 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024180.D

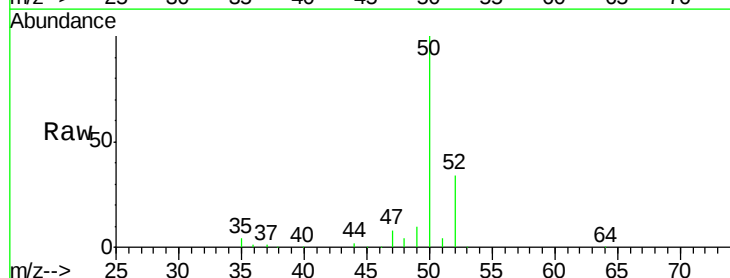
Acq: 27 May 2018 10:18

Tgt Ion: 50 Resp: 165722

Ion Ratio Lower Upper

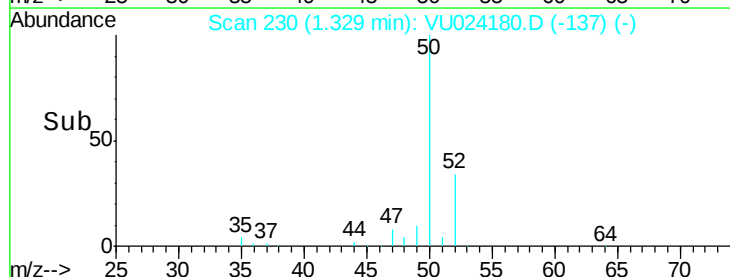
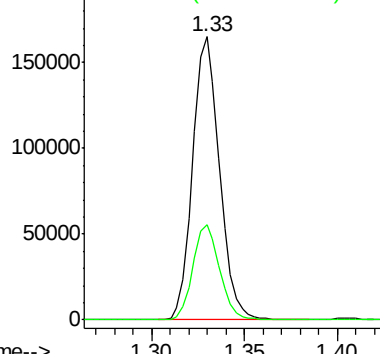
50 100

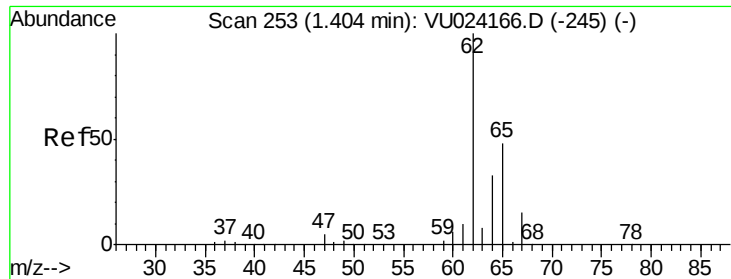
52 33.8 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 48.95 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024180.D

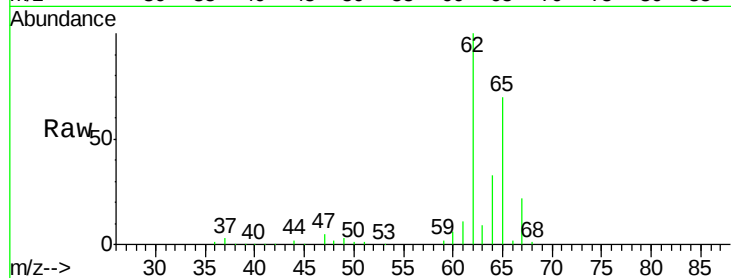
Acq: 27 May 2018 10:18

Tgt Ion: 62 Resp: 163571

Ion Ratio Lower Upper

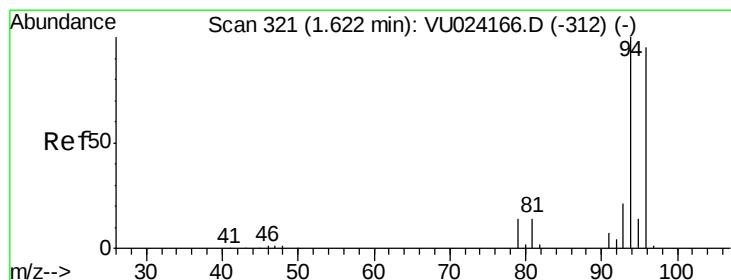
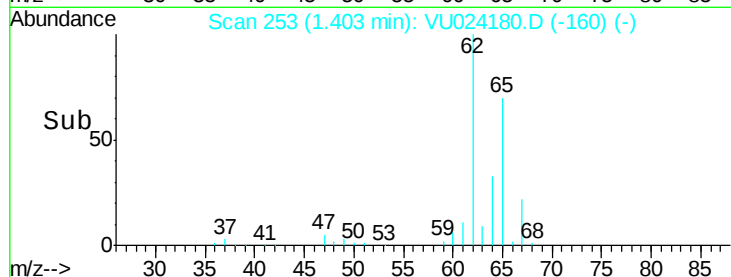
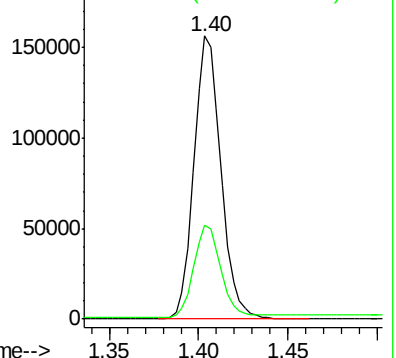
62 100

64 33.3 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 48.33 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024180.D

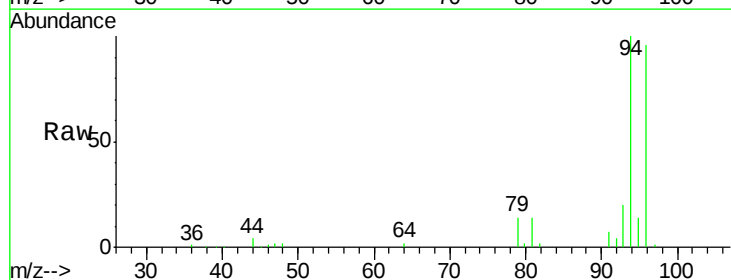
Acq: 27 May 2018 10:18

Tgt Ion: 94 Resp: 83319

Ion Ratio Lower Upper

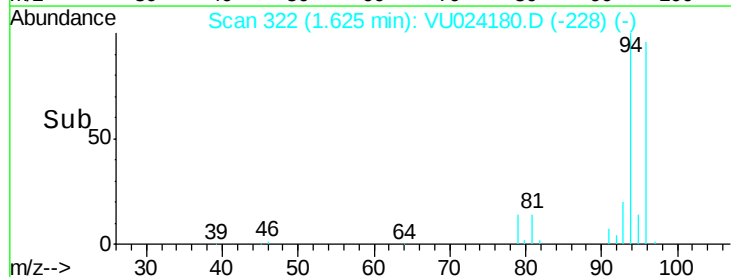
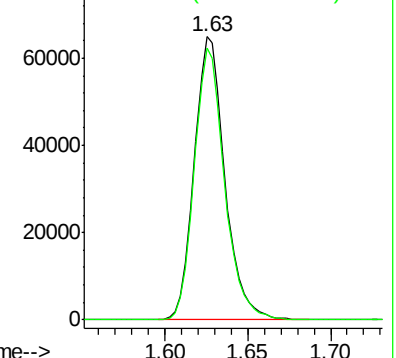
94 100

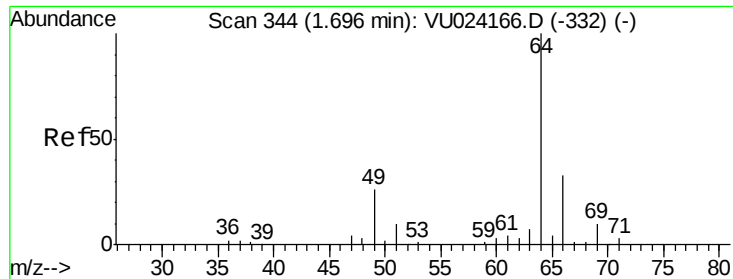
96 95.9 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 49.81 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024180.D

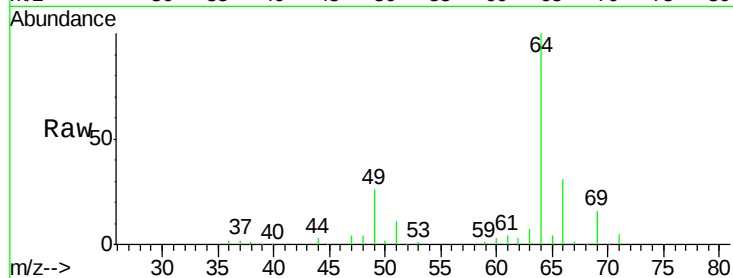
Acq: 27 May 2018 10:18

Tgt Ion: 64 Resp: 98531

Ion Ratio Lower Upper

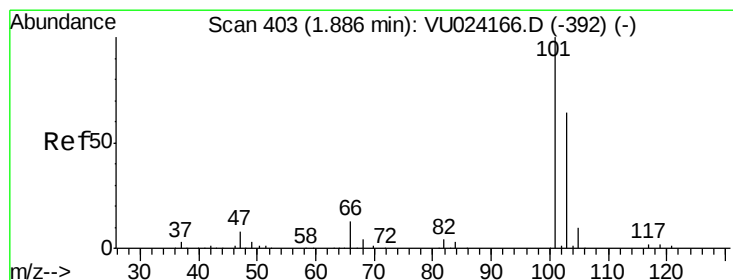
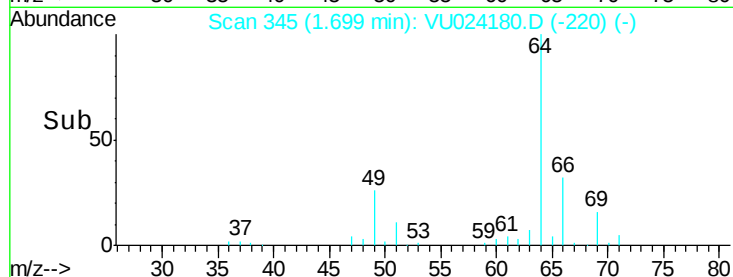
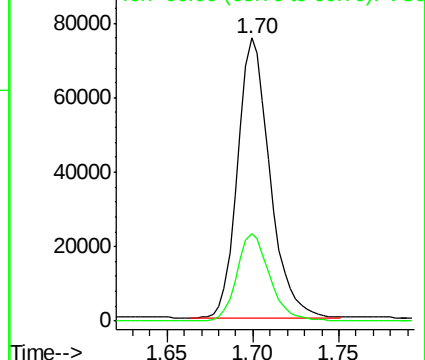
64 100

66 31.1 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 50.49 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU024180.D

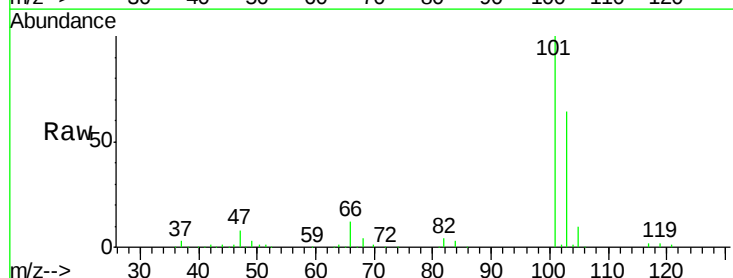
Acq: 27 May 2018 10:18

Tgt Ion: 101 Resp: 194830

Ion Ratio Lower Upper

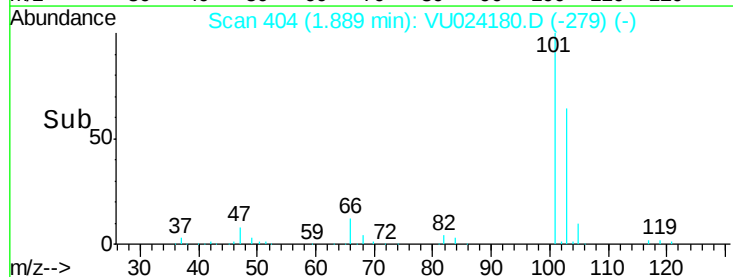
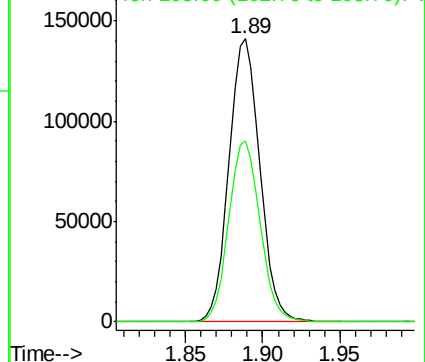
101 100

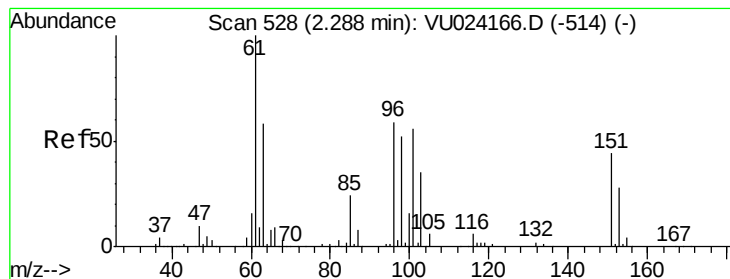
103 64.9 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 53.02 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

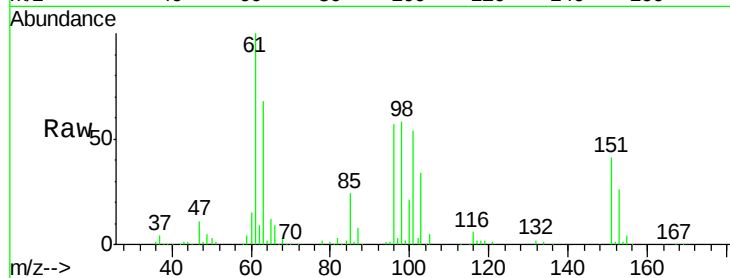
Tgt Ion: 101 Resp: 124099

Ion Ratio Lower Upper

101 100

85 43.0 35.0 52.6

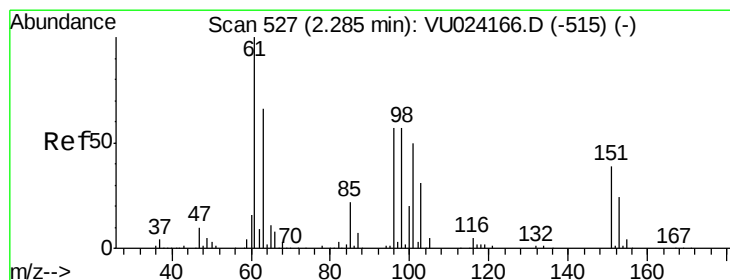
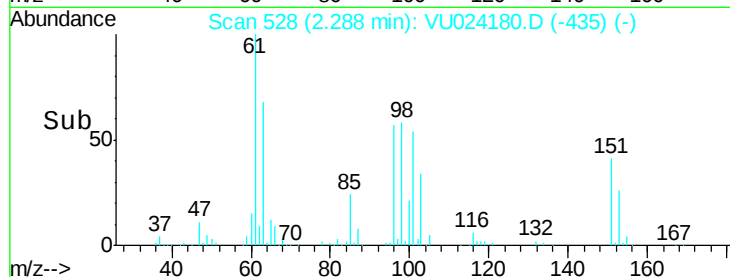
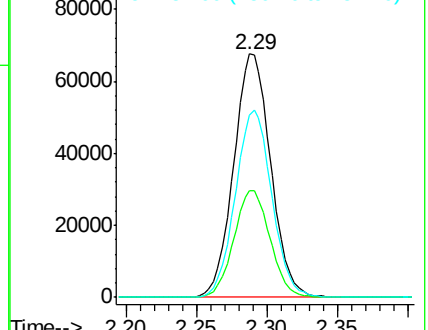
151 75.9 61.9 92.9



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: 49.96 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

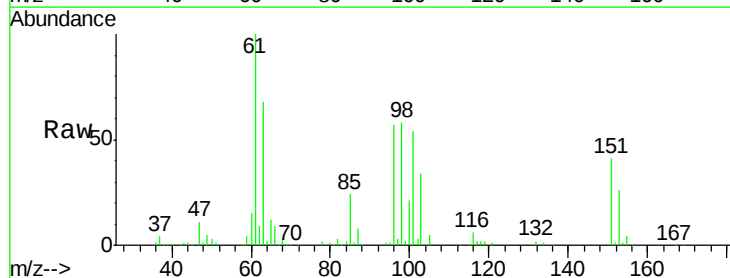
Tgt Ion: 96 Resp: 109168

Ion Ratio Lower Upper

96 100

61 176.9 124.2 230.6

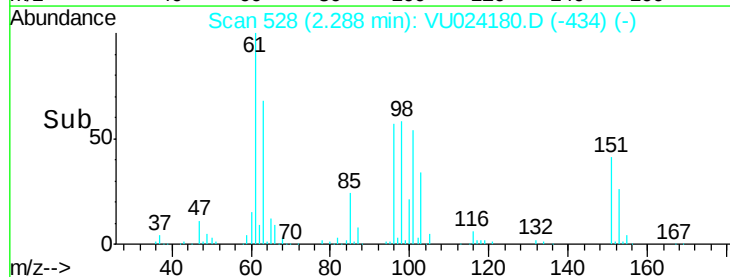
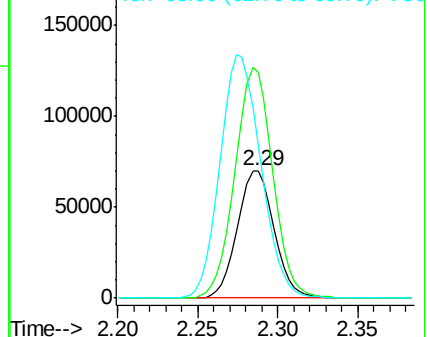
63 119.4 96.4 179.0

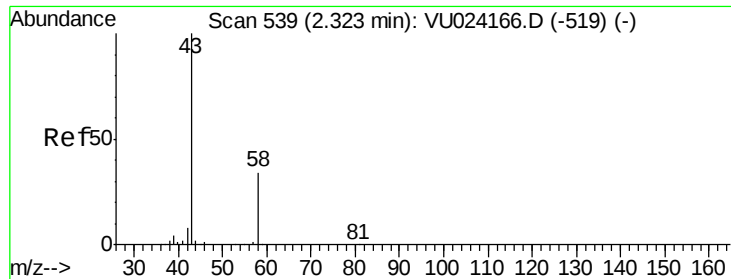


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 117.44 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024180.D

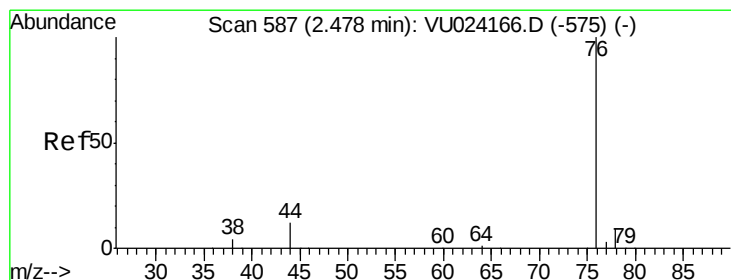
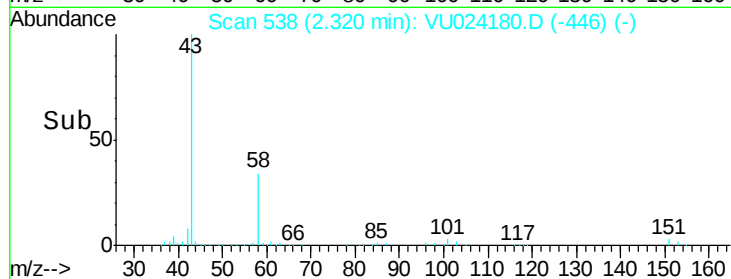
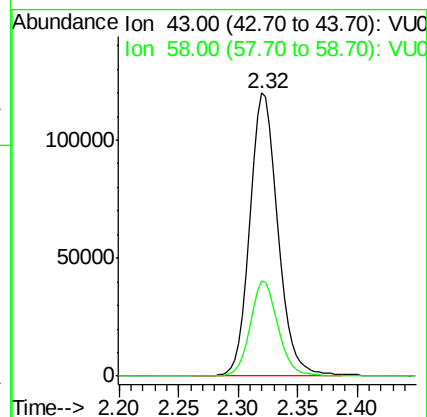
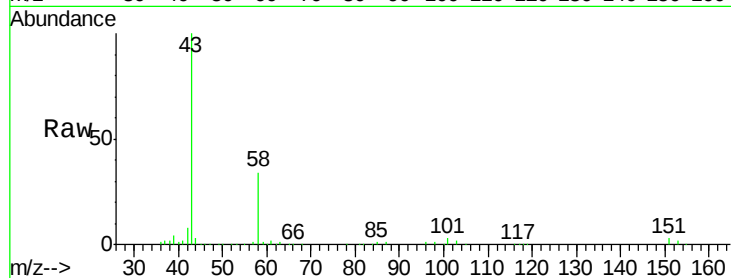
Acq: 27 May 2018 10:18

Tgt Ion: 43 Resp: 196808

Ion Ratio Lower Upper

43 100

58 33.0 0.0 64.4



#14

Carbon disulfide

Concen: 48.75 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024180.D

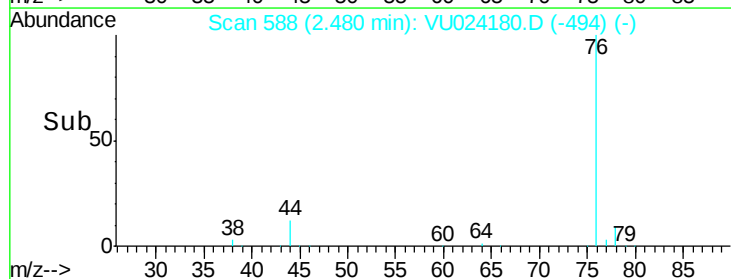
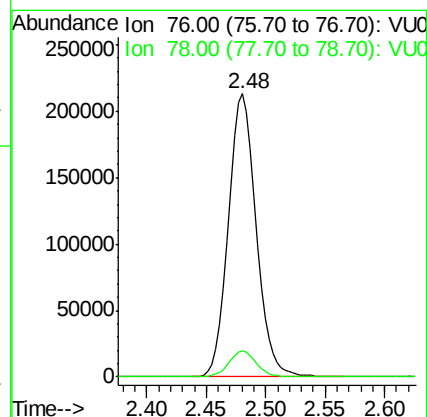
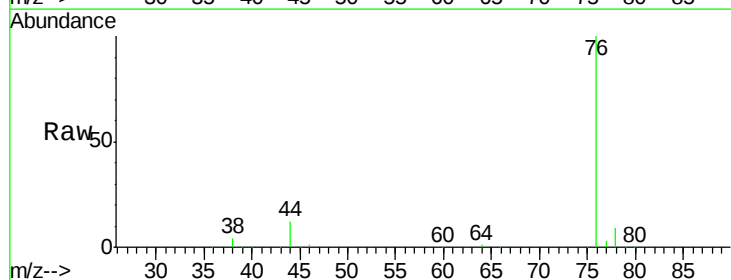
Acq: 27 May 2018 10:18

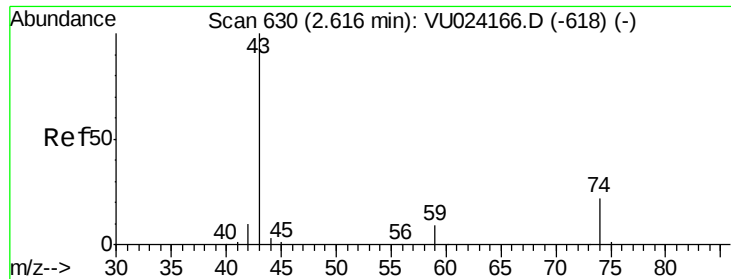
Tgt Ion: 76 Resp: 345473

Ion Ratio Lower Upper

76 100

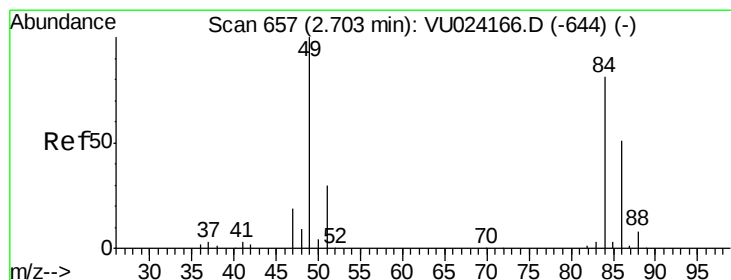
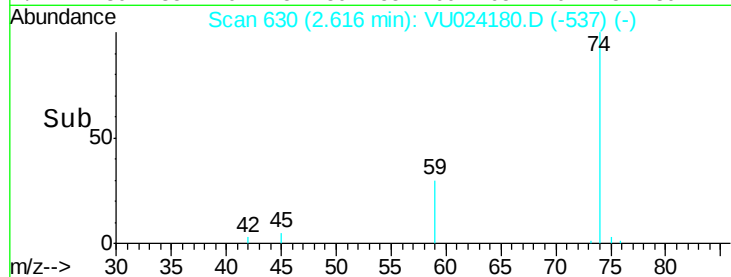
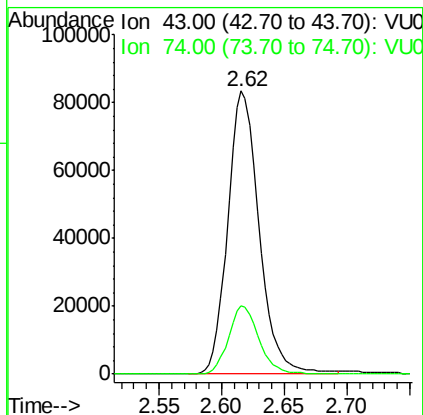
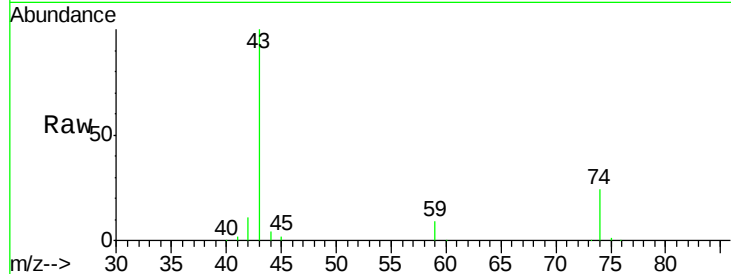
78 9.2 7.4 11.0





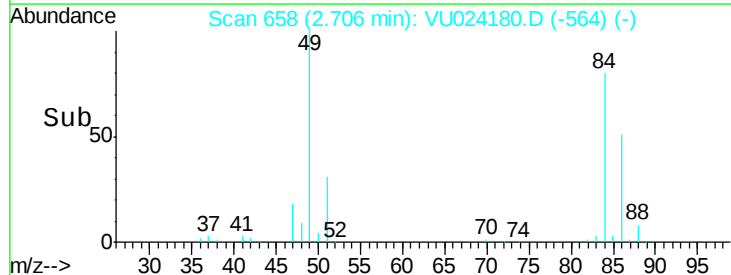
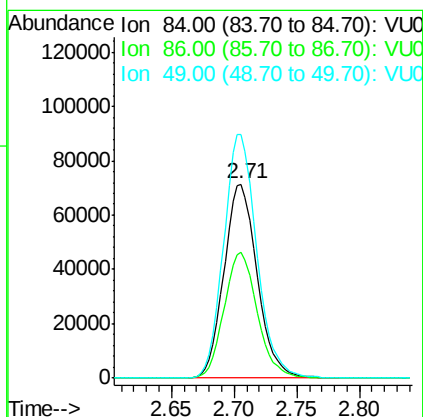
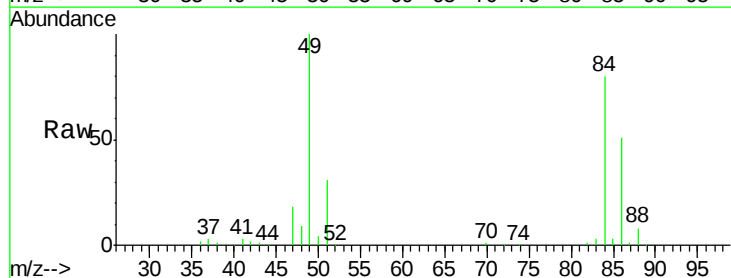
#15
Methyl Acetate
Concen: 47.52 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU024180.D
Acq: 27 May 2018 10:18

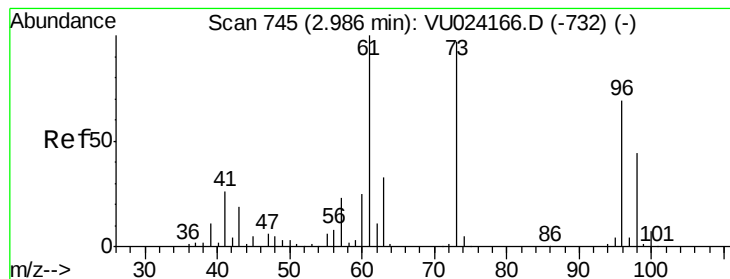
Tgt Ion: 43 Resp: 145169
Ion Ratio Lower Upper
43 100
74 23.3 18.6 28.0



#16
Methylene chloride
Concen: 48.35 ug/L
RT: 2.71 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU024180.D
Acq: 27 May 2018 10:18

Tgt Ion: 84 Resp: 131455
Ion Ratio Lower Upper
84 100
86 64.7 45.4 84.2
49 125.7 87.4 162.2





#17

trans-1,2-Dichloroethene

Concen: 49.86 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

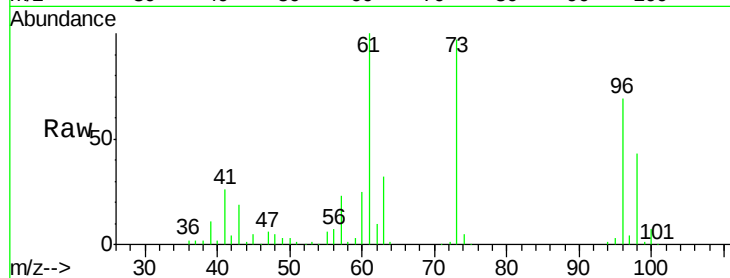
Tgt Ion: 96 Resp: 114271

Ion Ratio Lower Upper

96 100

61 144.9 102.8 191.0

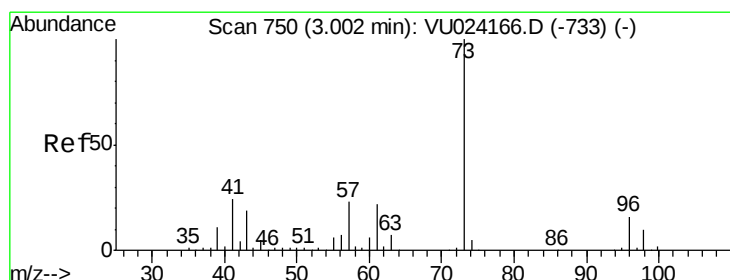
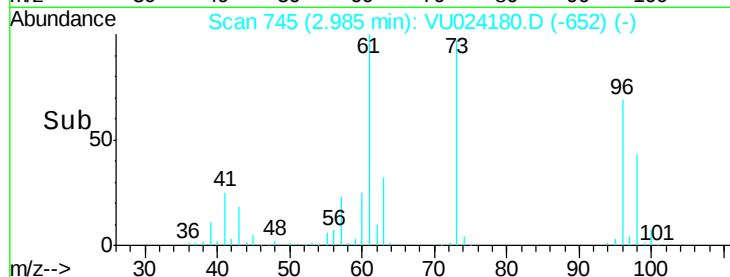
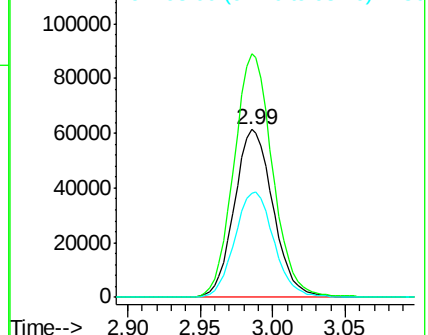
98 62.3 44.3 82.3



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: 51.35 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

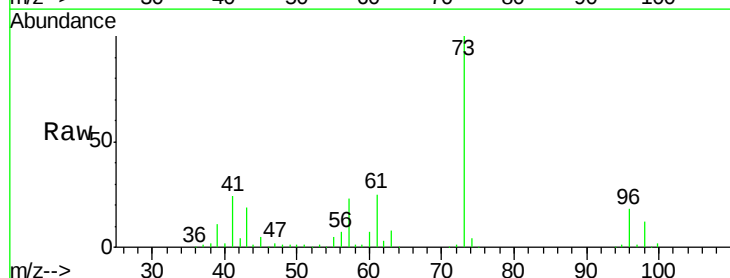
Tgt Ion: 73 Resp: 354930

Ion Ratio Lower Upper

73 100

43 19.2 15.4 23.0

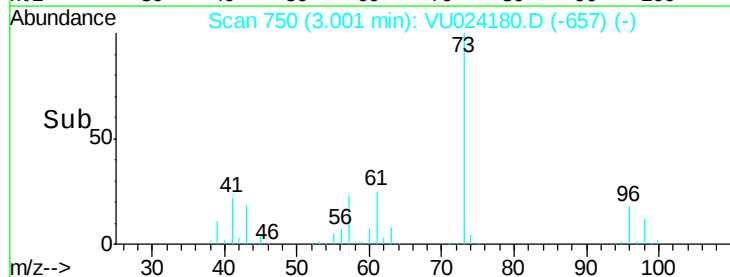
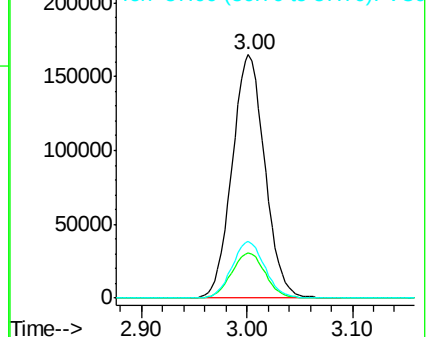
57 23.3 18.4 27.6

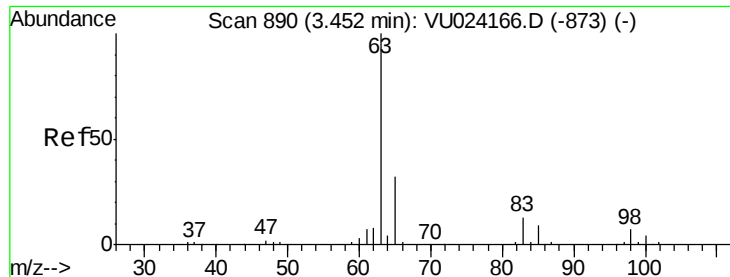


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 49.84 ug/L

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

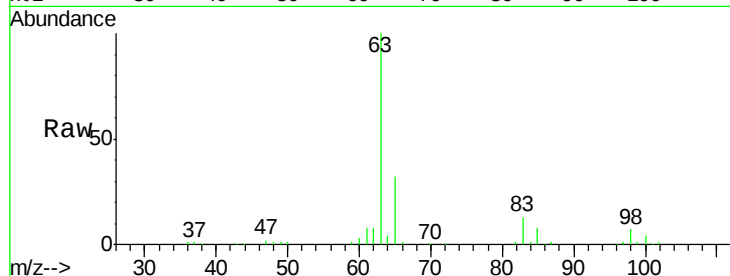
Tgt Ion: 63 Resp: 230111

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.3

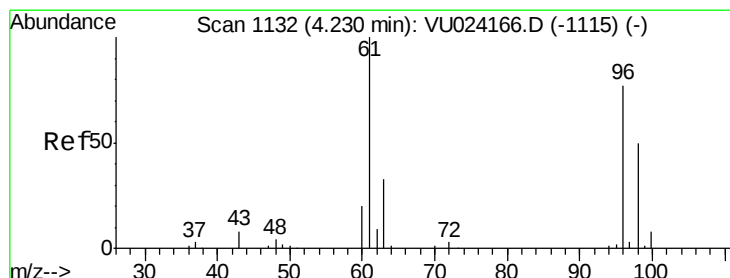
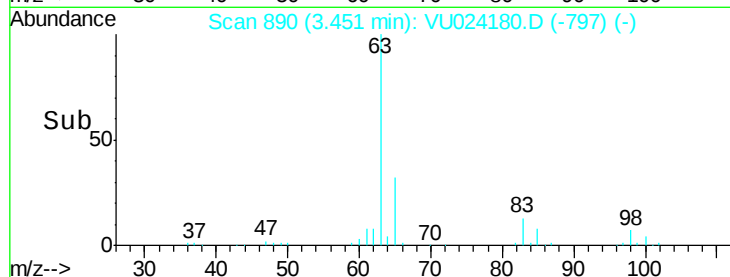
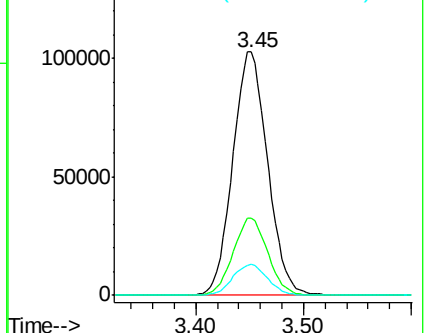
83 12.8 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU024180.D (-797) (-)

Ion 65.00 (64.70 to 65.70): VU024180.D (-797) (-)

Ion 83.00 (82.70 to 83.70): VU024180.D (-797) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.54 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

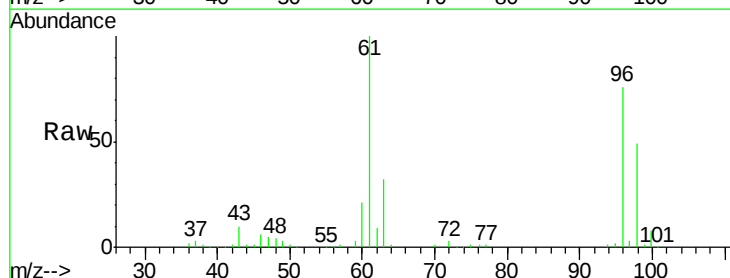
Tgt Ion: 96 Resp: 129510

Ion Ratio Lower Upper

96 100

61 131.3 94.8 176.0

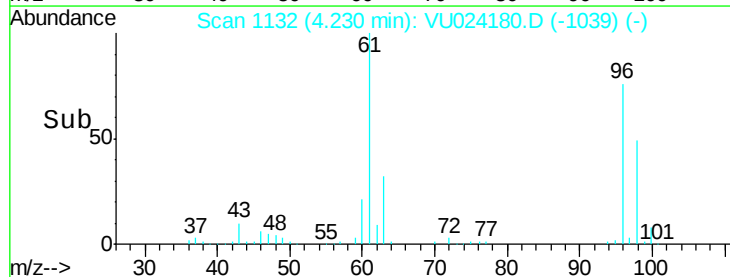
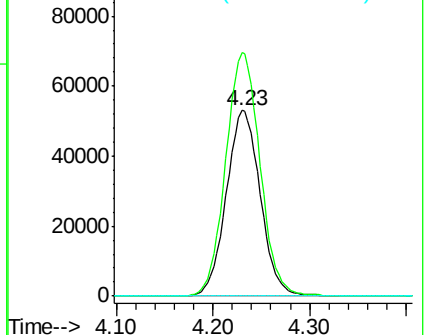
68 0.0 0.0 0.0

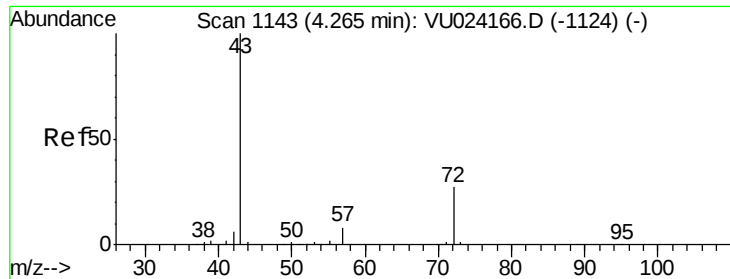


Abundance Ion 96.00 (95.70 to 96.70): VU024180.D (-1039) (-)

Ion 61.00 (60.70 to 61.70): VU024180.D (-1039) (-)

Ion 68.00 (67.70 to 68.70): VU024180.D (-1039) (-)





#22

2-Butanone

Concen: 105.51 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU024180.D

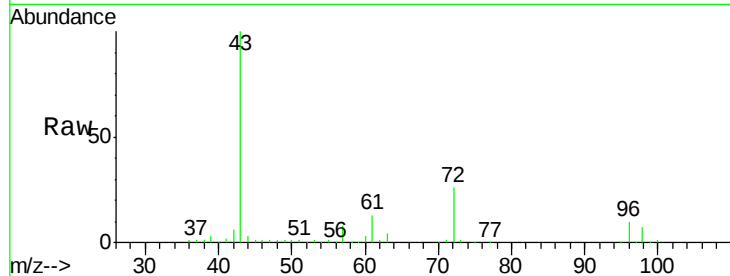
Acq: 27 May 2018 10:18

Tgt Ion: 43 Resp: 231862

Ion Ratio Lower Upper

43 100

72 26.6 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

100000

80000

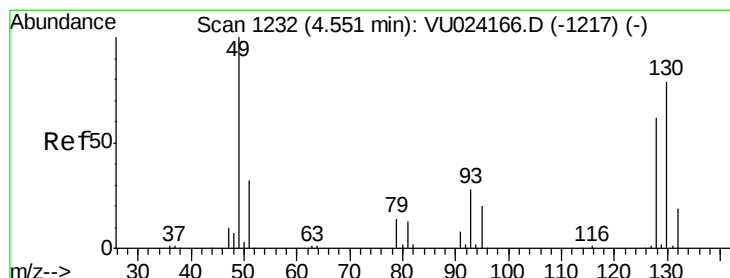
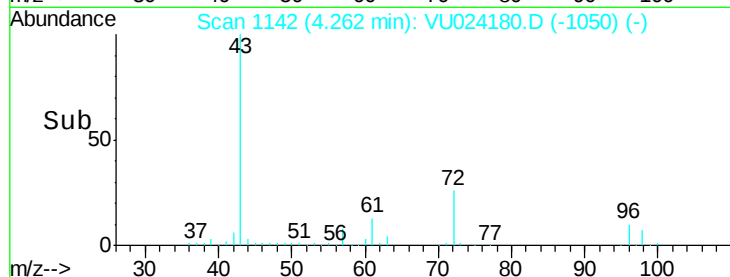
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 50.07 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

Tgt Ion: 128 Resp: 66644

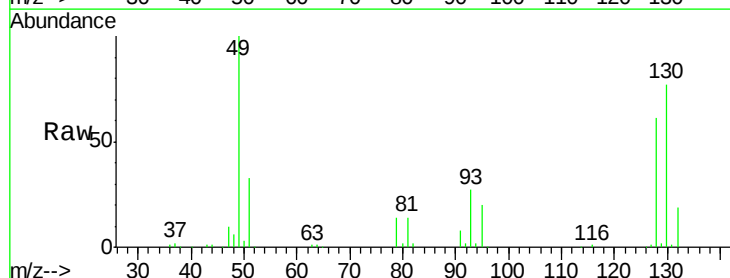
Ion Ratio Lower Upper

128 100

49 164.1 118.2 219.6

130 126.3 88.4 164.2

51 53.5 43.4 65.2



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

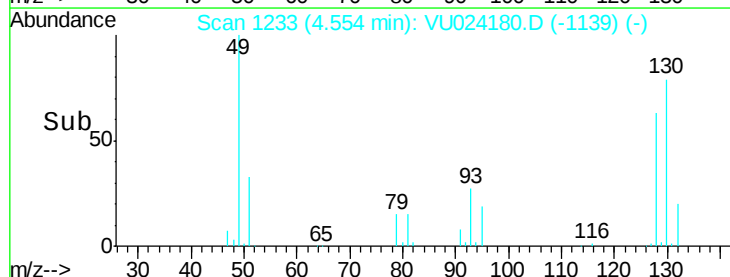
60000

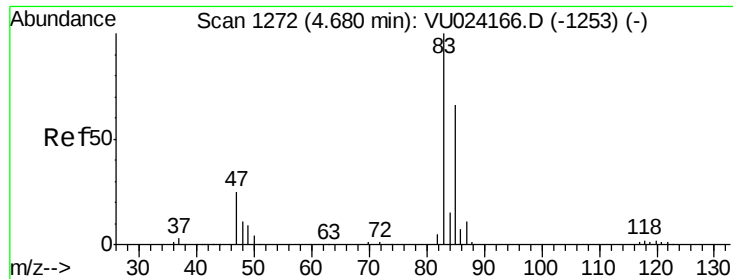
40000

20000

0

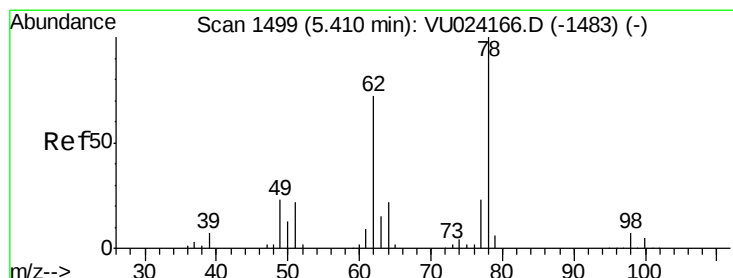
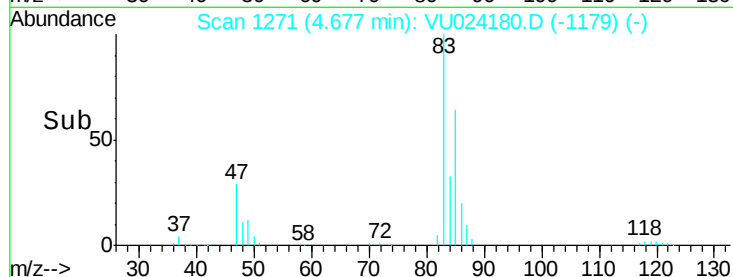
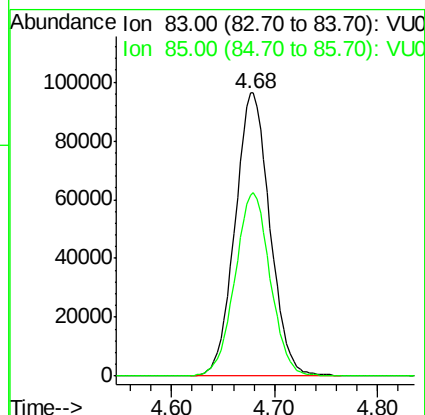
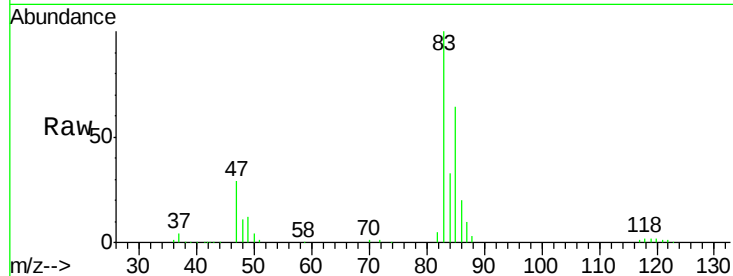
Time-->





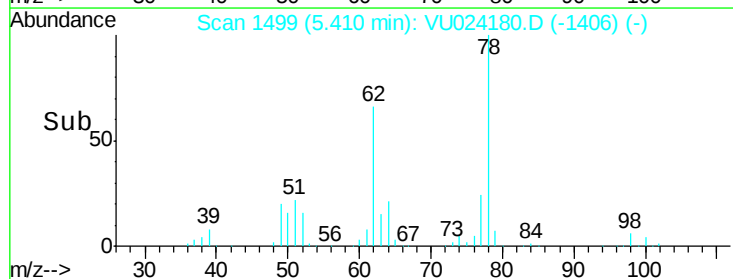
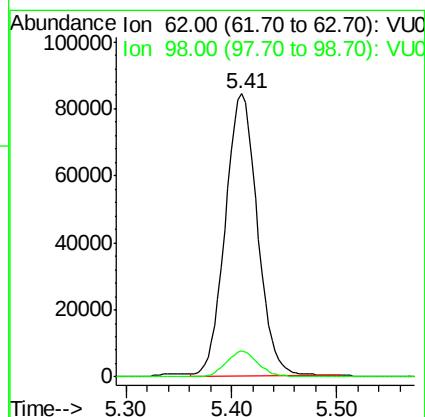
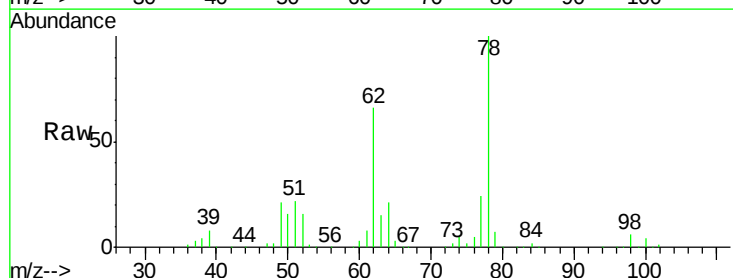
#25
Chloroform
Concen: 50.02 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024180.D
Acq: 27 May 2018 10:18

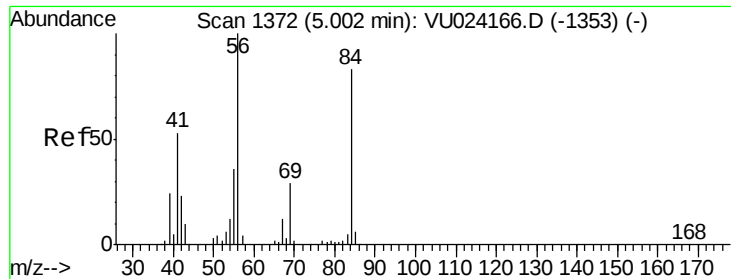
Tgt Ion: 83 Resp: 226520
Ion Ratio Lower Upper
83 100
85 63.8 44.4 82.4



#27
1,2-Dichloroethane
Concen: 49.51 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024180.D
Acq: 27 May 2018 10:18

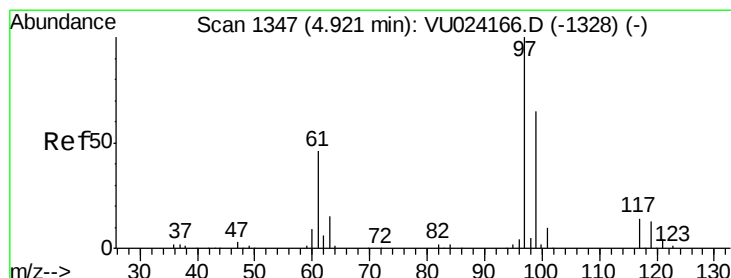
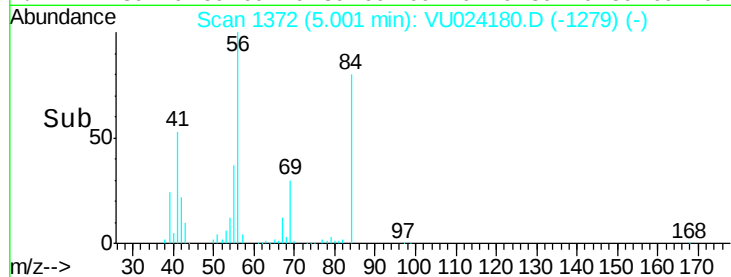
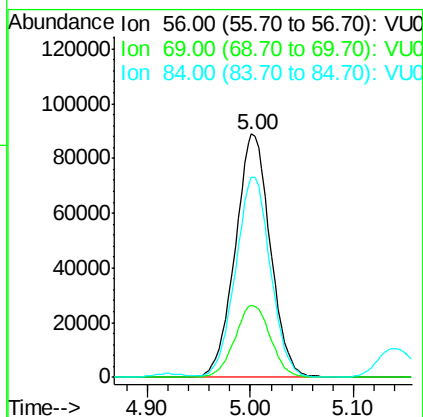
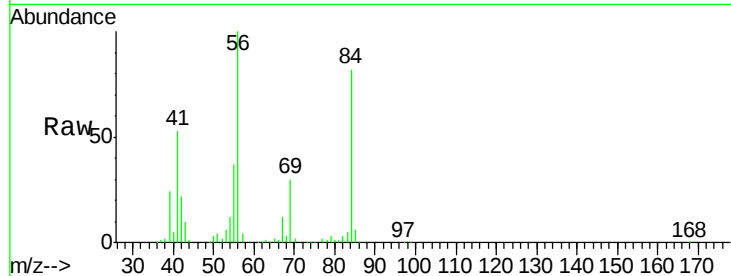
Tgt Ion: 62 Resp: 178024
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.0





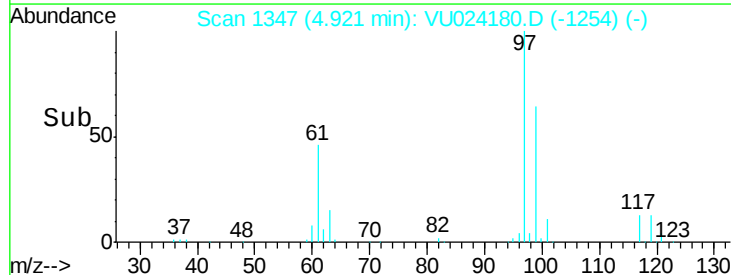
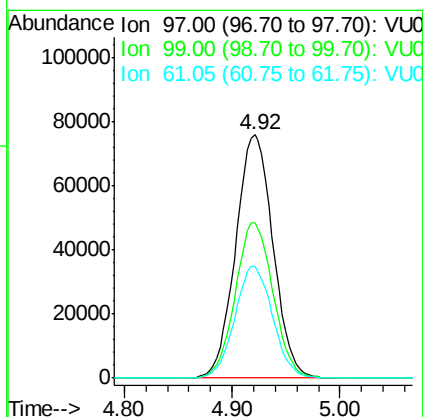
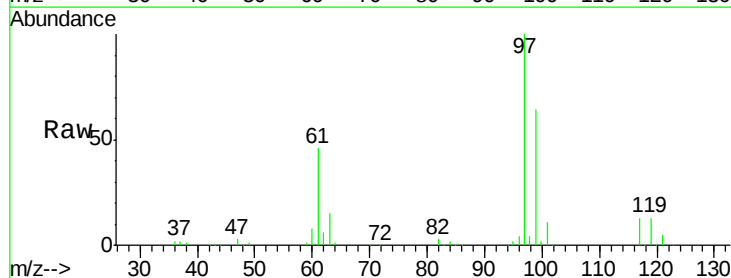
#29
Cyclohexane
Concen: 53.64 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU024180.D
Acq: 27 May 2018 10:18

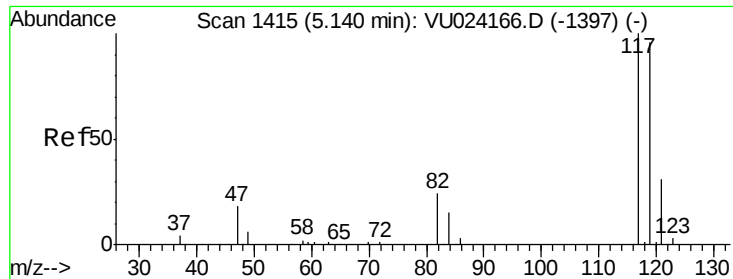
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.9	35.9
84	81.6	66.0	99.0



#30
1,1,1-Trichloroethane
Concen: 51.67 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024180.D
Acq: 27 May 2018 10:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	46.3	39.0	58.6





#31

Carbon tetrachloride

Concen: 51.29 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU024180.D

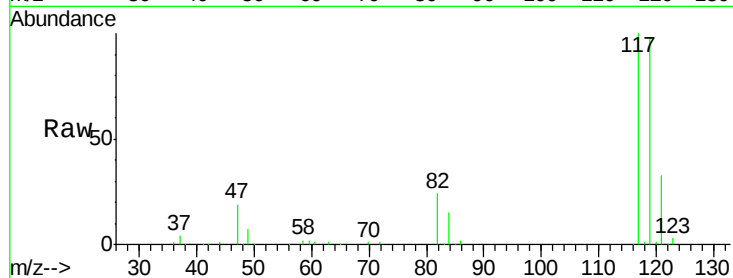
Acq: 27 May 2018 10:18

Tgt Ion:117 Resp: 159118

Ion Ratio Lower Upper

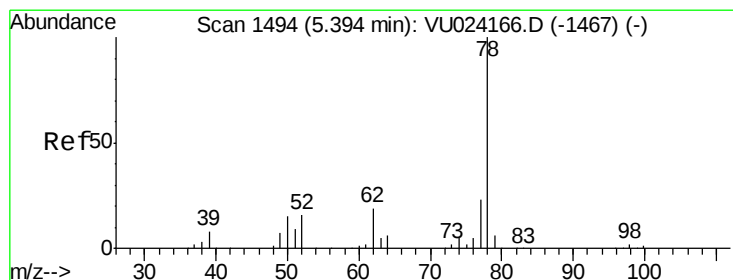
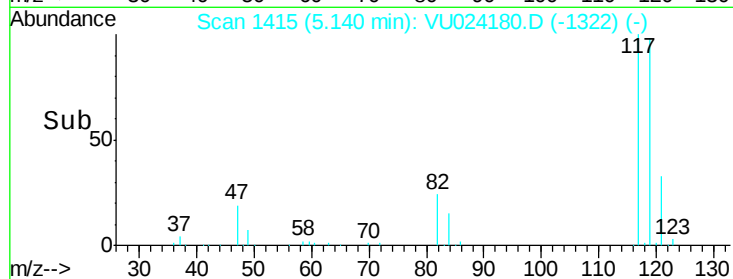
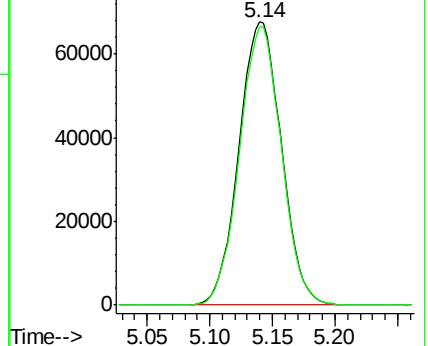
117 100

119 97.2 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.19 ug/L

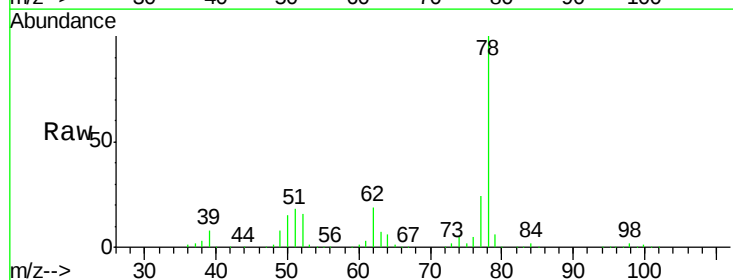
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

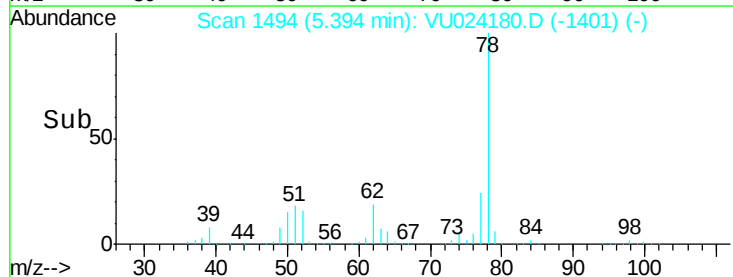
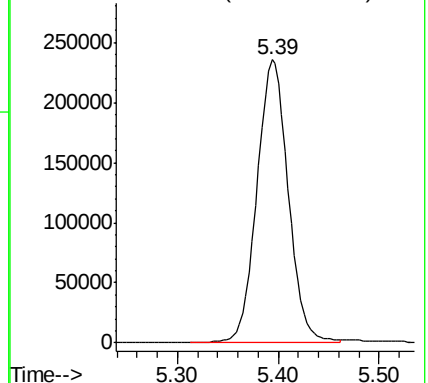
Lab File: VU024180.D

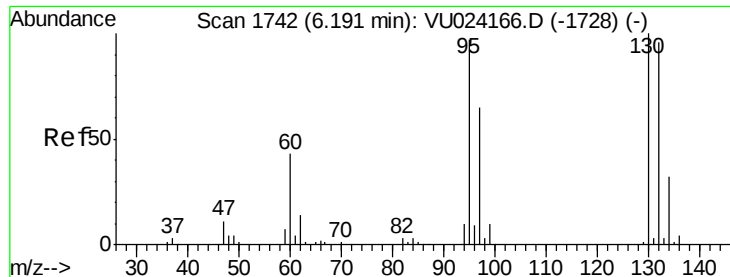
Acq: 27 May 2018 10:18

Tgt Ion: 78 Resp: 508224



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 44.61 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

Tgt Ion: 95 Resp: 124410

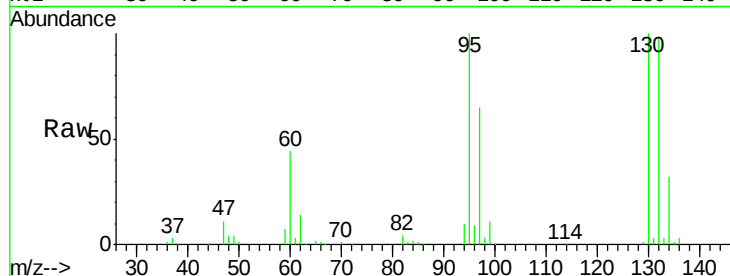
Ion Ratio Lower Upper

95 100

97 64.9 44.5 82.7

132 98.7 69.0 128.2

130 100.4 70.6 131.0



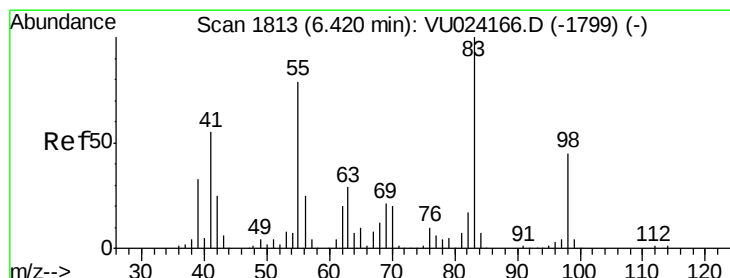
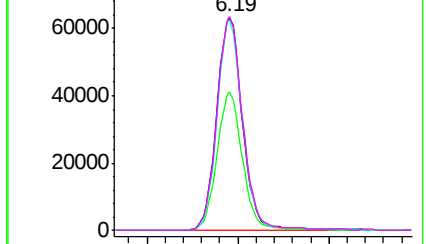
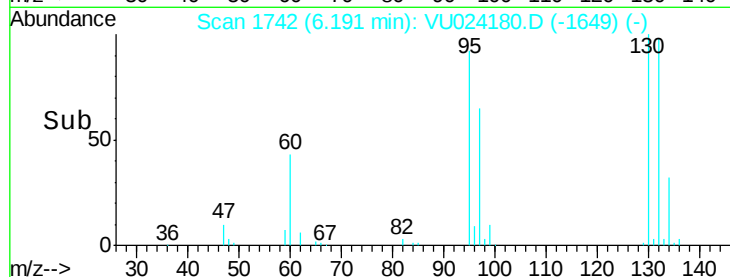
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

6.19



#35

Methylcyclohexane

Concen: 54.14 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

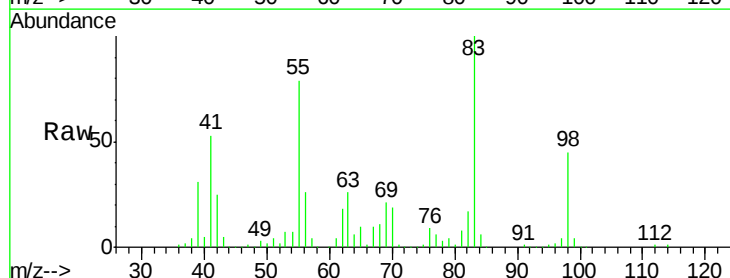
Tgt Ion: 83 Resp: 208968

Ion Ratio Lower Upper

83 100

55 80.7 64.1 96.1

98 46.6 35.8 53.8

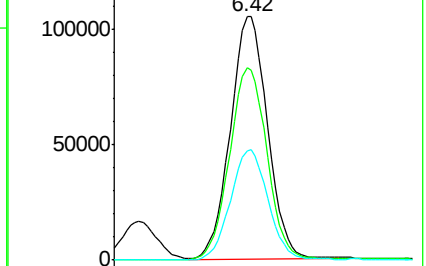
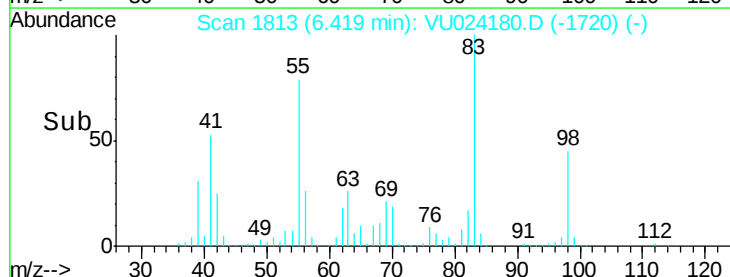


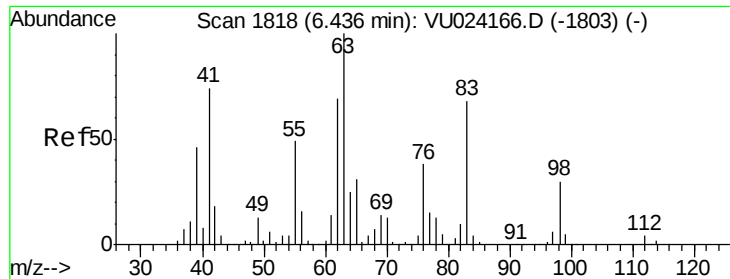
Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

6.42





#37

1,2-Dichloropropane

Concen: 50.61 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024180.D

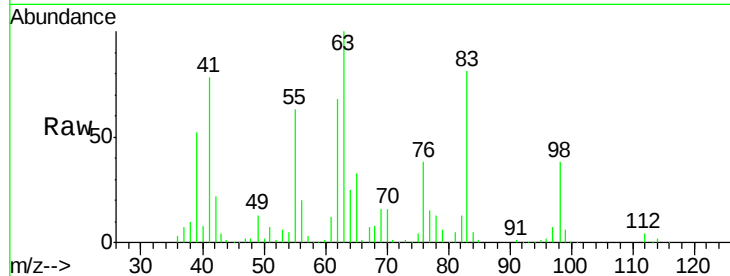
Acq: 27 May 2018 10:18

Tgt Ion: 63 Resp: 140924

Ion Ratio Lower Upper

63 100

112 3.9 2.9 4.3



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

6.44

80000

60000

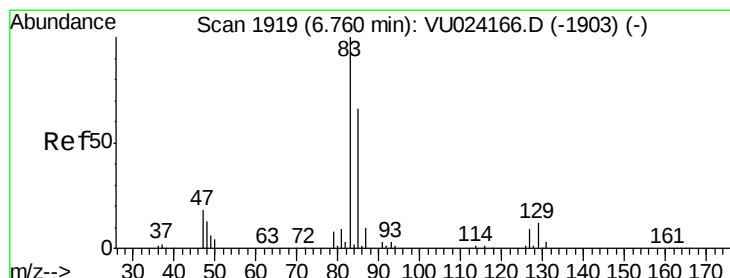
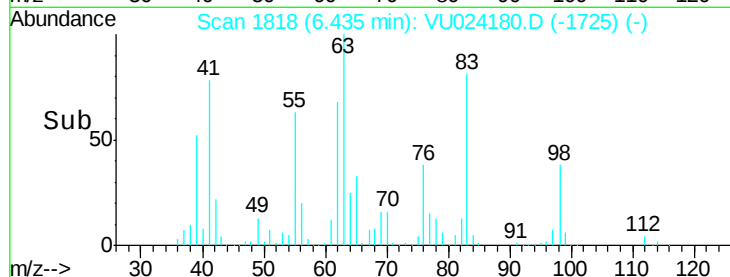
40000

20000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 50.09 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

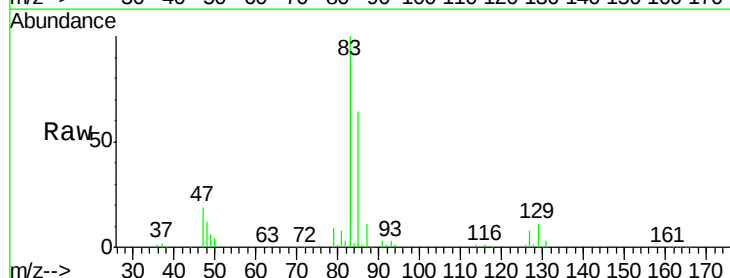
Tgt Ion: 83 Resp: 163891

Ion Ratio Lower Upper

83 100

85 63.8 44.6 82.8

127 8.5 6.8 10.2



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

6.76

120000

100000

80000

60000

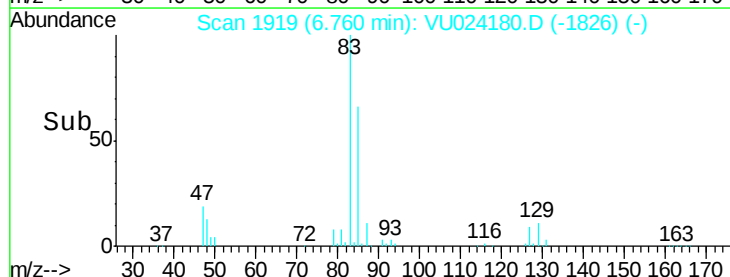
40000

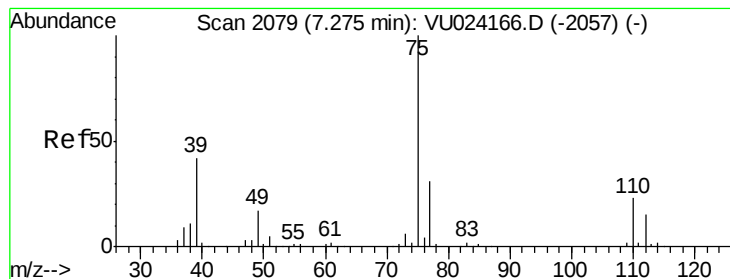
20000

0

6.65 6.70 6.75 6.80 6.85

Time-->





#39

cis-1,3-Dichloropropene

Concen: 52.46 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024180.D

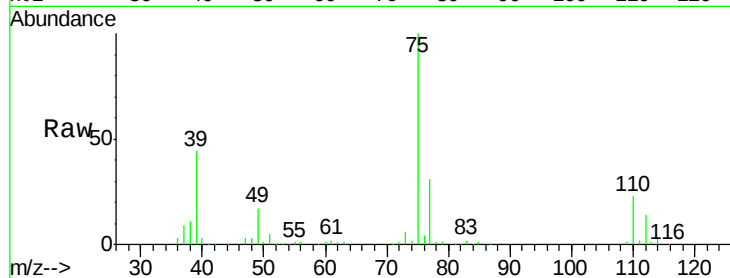
Acq: 27 May 2018 10:18

Tgt Ion: 75 Resp: 192844

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.27

120000

100000

80000

60000

40000

20000

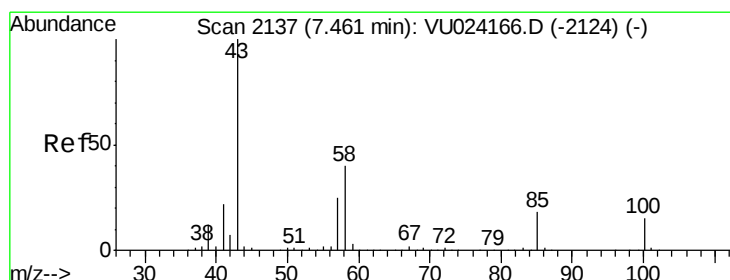
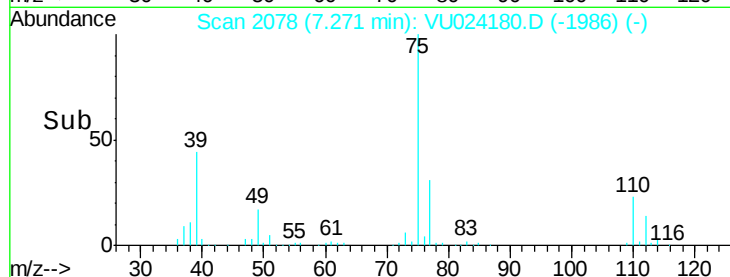
0

Time-->

7.20

7.30

7.40



#40

4-Methyl-2-pentanone

Concen: 97.11 ug/L

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

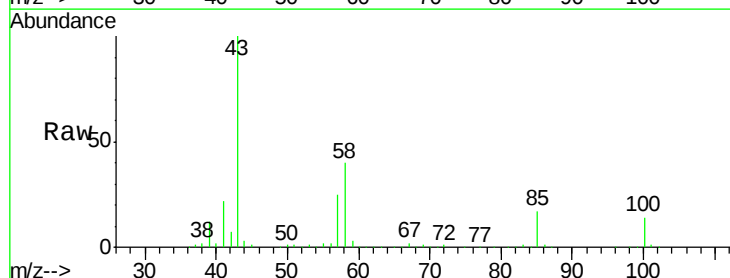
Tgt Ion: 43 Resp: 366609

Ion Ratio Lower Upper

43 100

58 40.0 31.6 47.4

100 14.2 11.5 17.3



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

7.46

250000

200000

150000

100000

50000

0

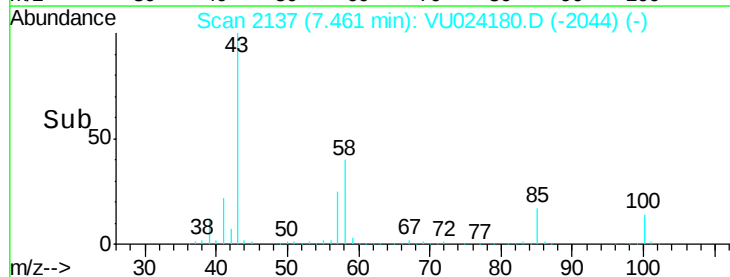
Time-->

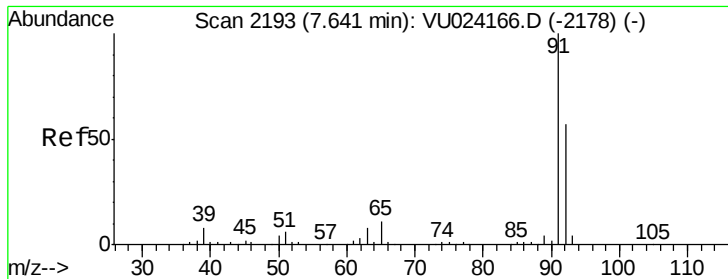
7.40

7.45

7.50

7.55





#42

Toluene

Concen: 53.21 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024180.D

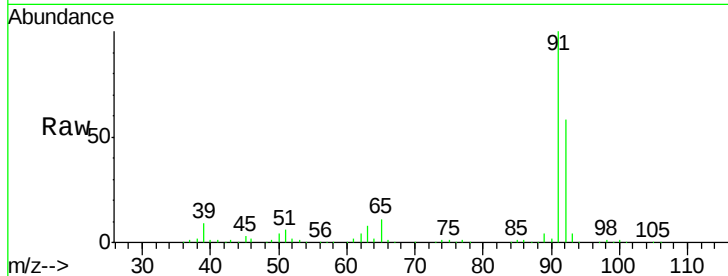
Acq: 27 May 2018 10:18

Tgt Ion: 91 Resp: 536363

Ion Ratio Lower Upper

91 100

92 57.7 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU024166.D (-2178) (-)

Ion 92.00 (91.70 to 92.70): VU024180.D (-2100) (-)

7.64

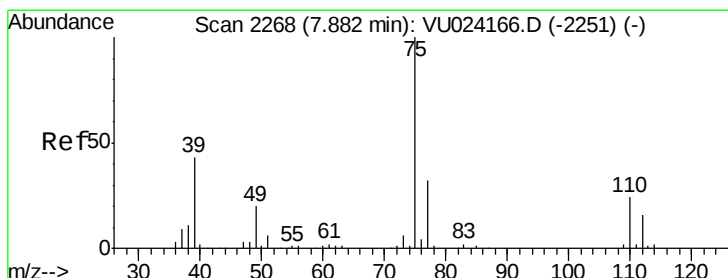
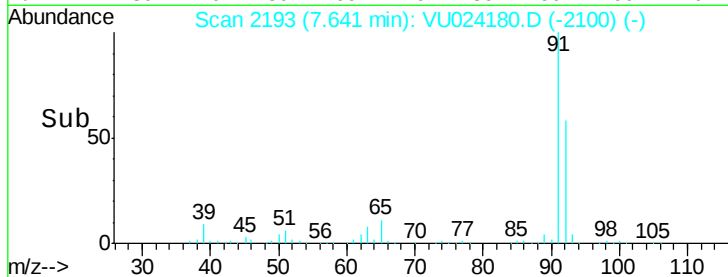
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#44

trans-1,3-Dichloropropene

Concen: 51.35 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024180.D

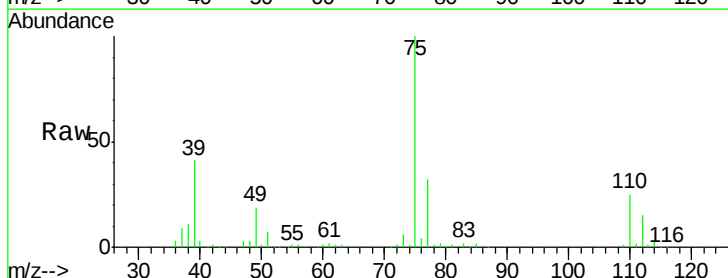
Acq: 27 May 2018 10:18

Tgt Ion: 75 Resp: 168109

Ion Ratio Lower Upper

75 100

77 32.2 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU024166.D (-2251) (-)

Ion 77.00 (76.70 to 77.70): VU024180.D (-2175) (-)

7.88

100000

80000

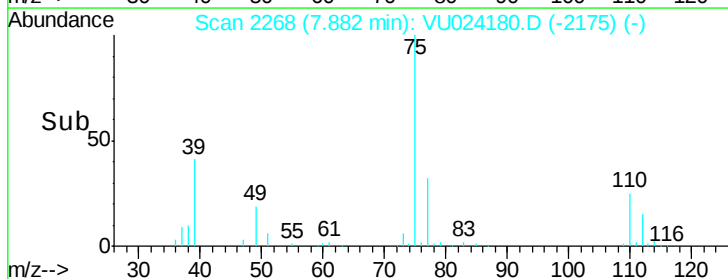
60000

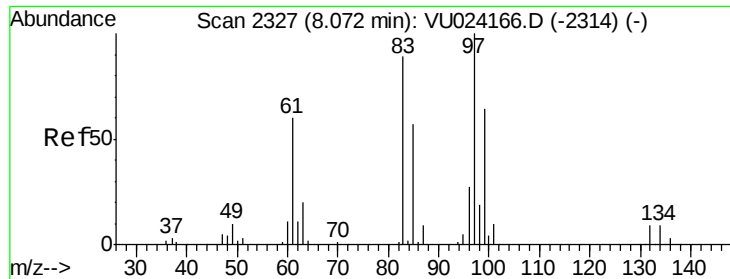
40000

20000

0

Time--> 7.80 7.85 7.90 7.95 8.00





#45

1,1,2-Trichloroethane

Concen: 50.43 ug/L

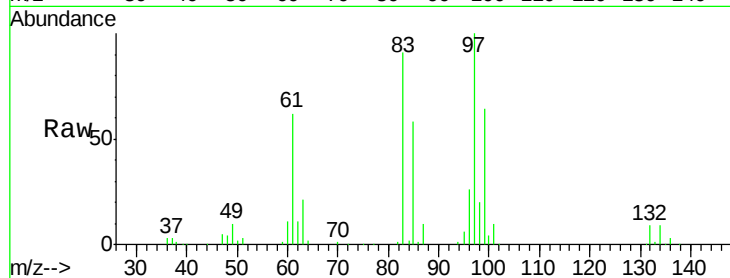
RT: 8.07 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

Tgt Ion:	97	Resp:	124837
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.5	80.9
83	90.6	61.9	114.9
85	58.2	40.7	75.7



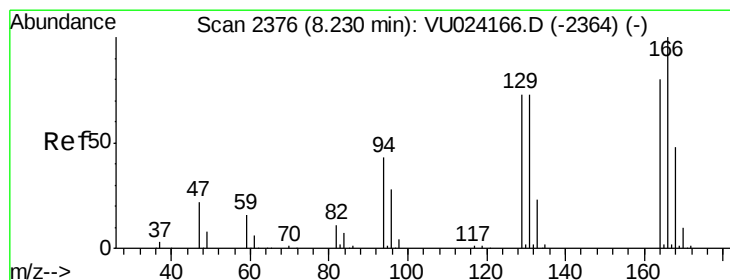
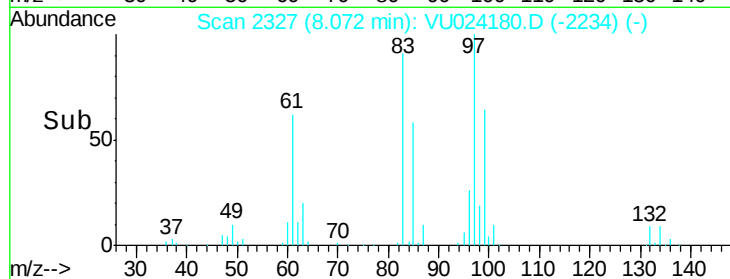
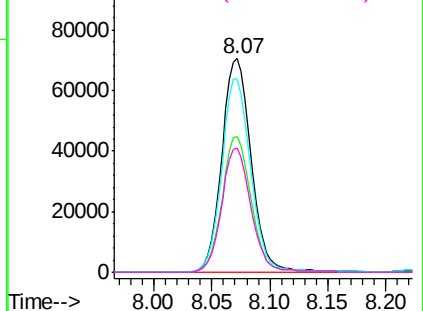
Abundance

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: 52.24 ug/L

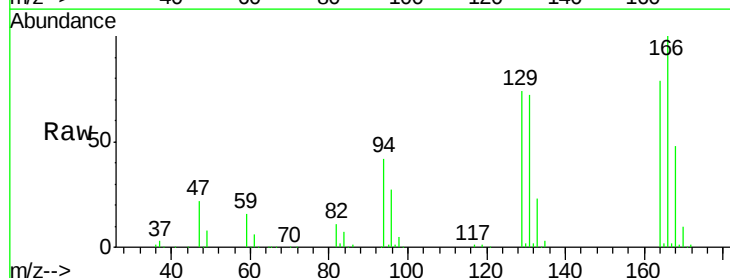
RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

Tgt Ion:	164	Resp:	101931
Ion	Ratio	Lower	Upper
164	100		
129	94.5	66.6	123.6
131	91.5	64.5	119.9
166	127.0	89.3	165.9



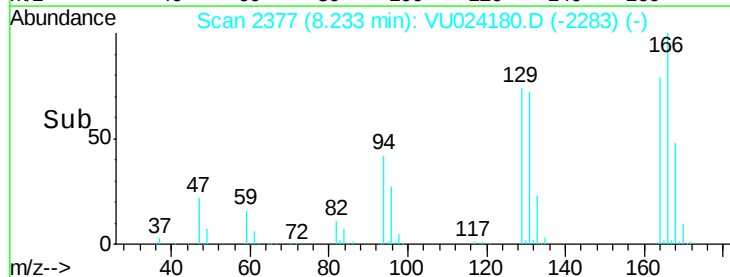
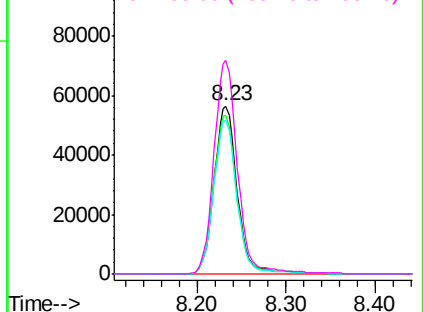
Abundance

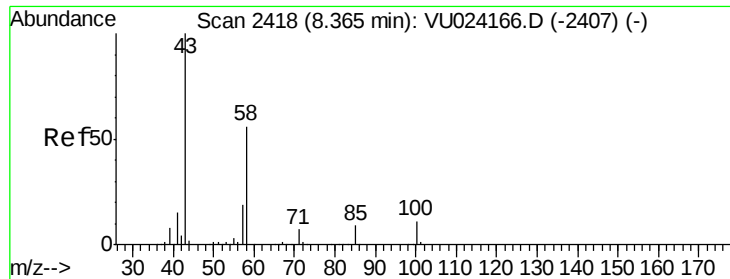
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

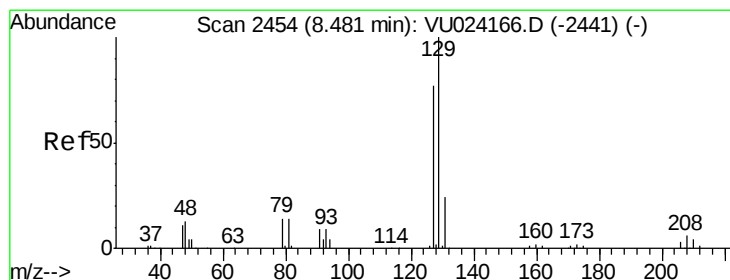
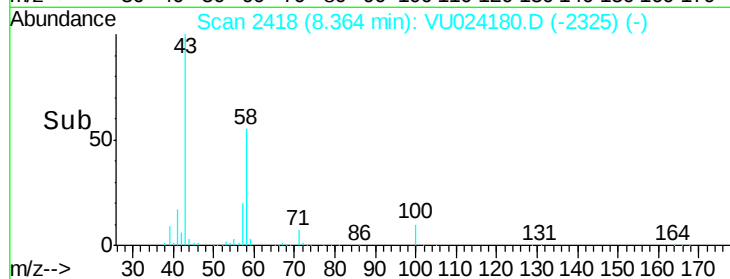
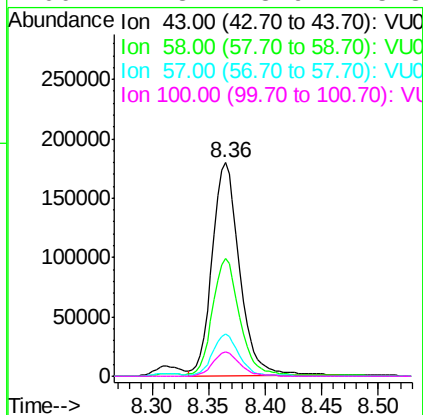
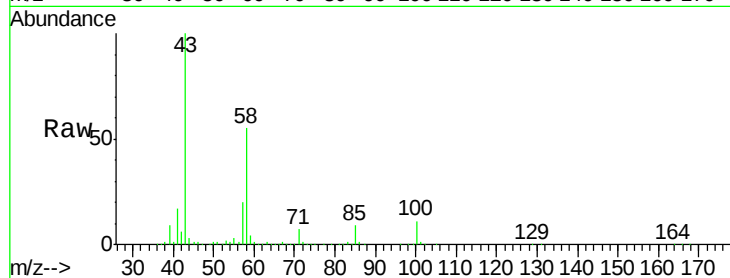
Ion 166.00 (165.70 to 166.70): V





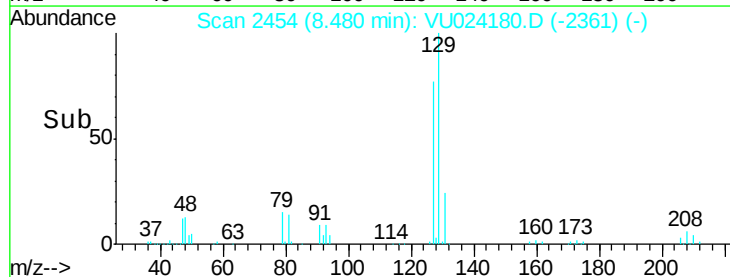
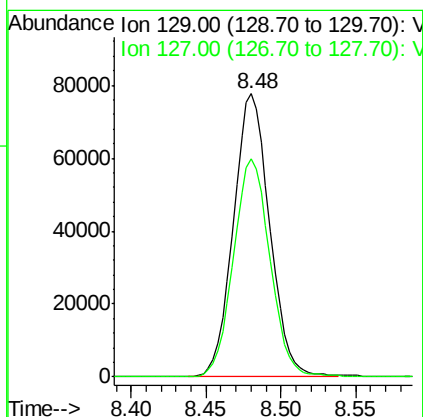
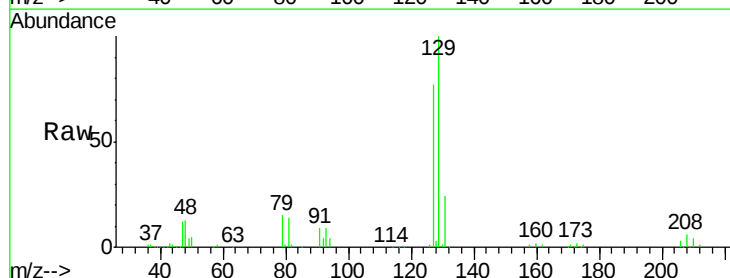
#48
2-Hexanone
Concen: 101.69 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024180.D
Acq: 27 May 2018 10:18

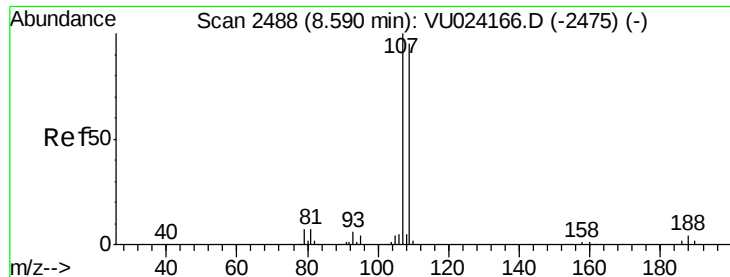
Tgt Ion:	43	Resp:	302870
Ion	Ratio	Lower	Upper
43	100		
58	54.9	44.6	67.0
57	18.7	15.3	22.9
100	11.3	8.9	13.3



#49
Dibromochloromethane
Concen: 50.44 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024180.D
Acq: 27 May 2018 10:18

Tgt Ion:	129	Resp:	131343
Ion	Ratio	Lower	Upper
129	100		
127	76.9	54.2	100.6





#50

1,2-Dibromoethane

Concen: 51.31 ug/L

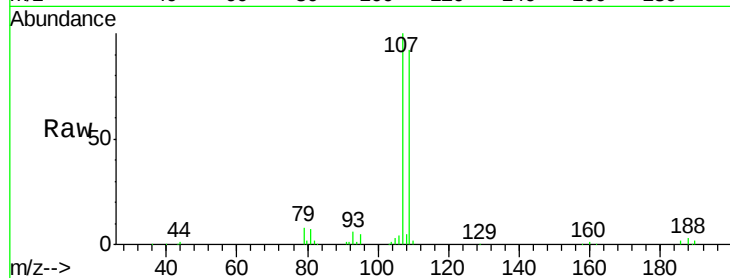
RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

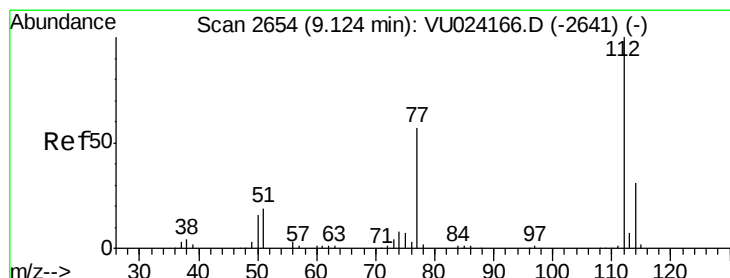
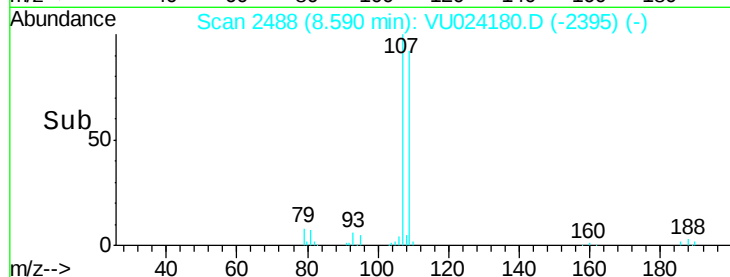
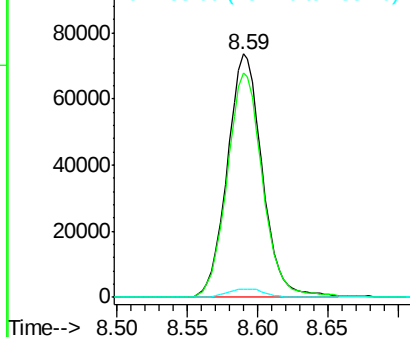
Lab File: VU024180.D

Acq: 27 May 2018 10:18

Tgt Ion:	107	Resp:	127794
Ion	Ratio	Lower	Upper
107	100		
109	92.1	65.6	121.8
188	3.4	2.9	4.3



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



#51

Chlorobenzene

Concen: 50.83 ug/L

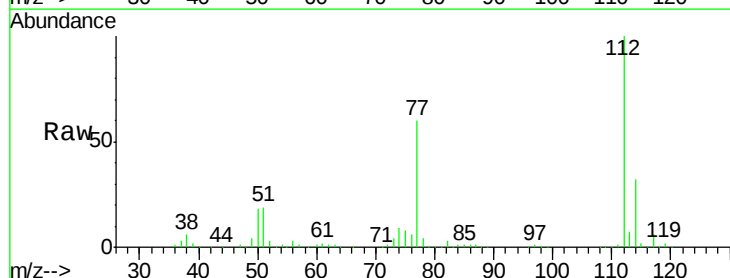
RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

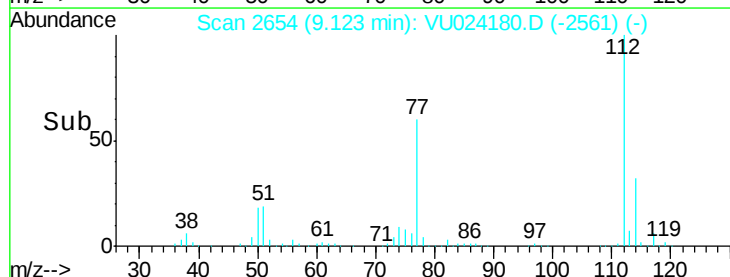
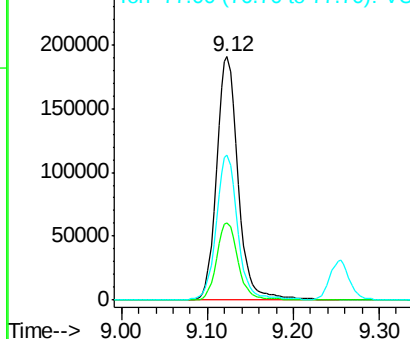
Lab File: VU024180.D

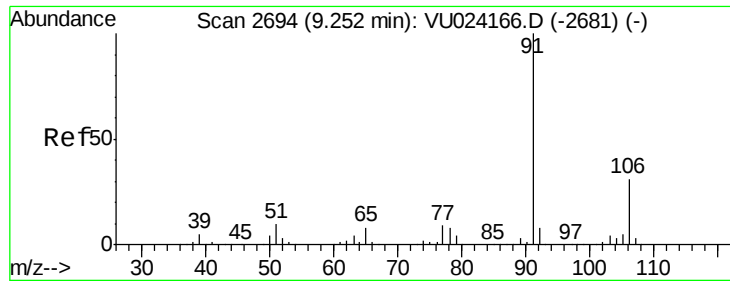
Acq: 27 May 2018 10:18

Tgt Ion:	112	Resp:	332518
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.5	41.9
77	59.6	47.3	70.9



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: 52.65 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU024180.D

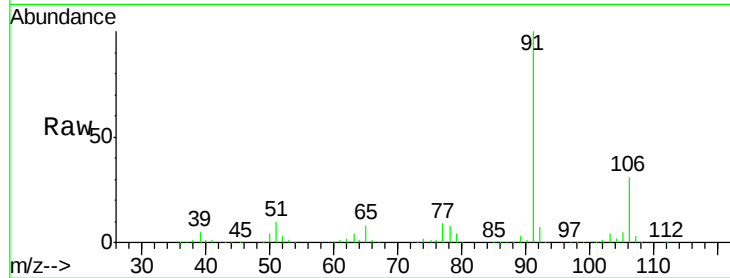
Acq: 27 May 2018 10:18

Tgt Ion: 91 Resp: 560966

Ion Ratio Lower Upper

91 100

106 31.3 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU024166.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU024180.D (-2601) (-)

400000

300000

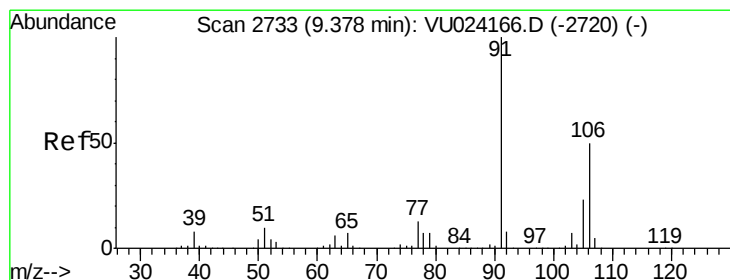
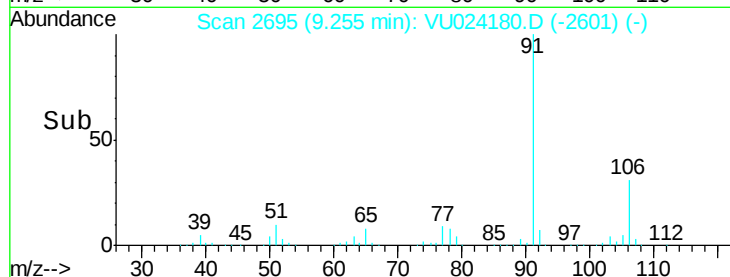
200000

100000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 54.43 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024180.D

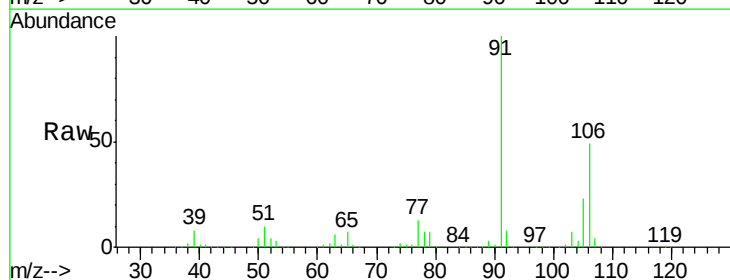
Acq: 27 May 2018 10:18

Tgt Ion: 106 Resp: 219721

Ion Ratio Lower Upper

106 100

91 202.9 141.9 263.5



Abundance Ion 106.00 (105.70 to 106.70): VU024180.D (-2601) (-)

Ion 91.00 (90.70 to 91.70): VU024166.D (-2720) (-)

300000

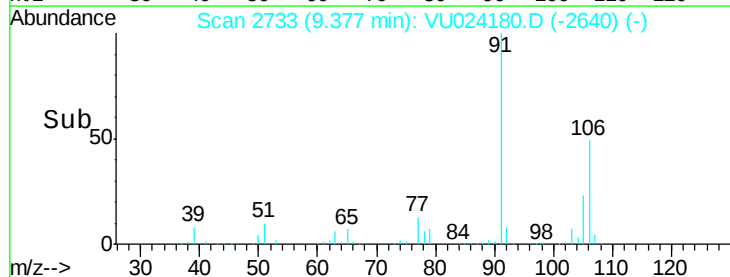
200000

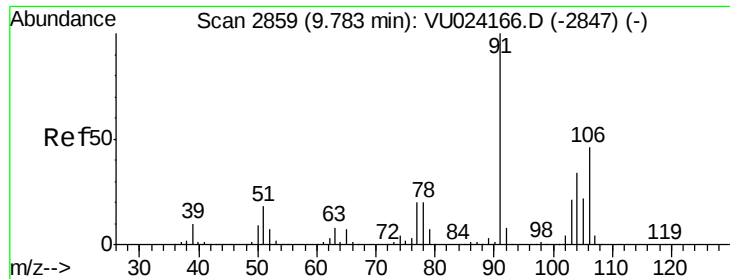
100000

0

9.30 9.40 9.50

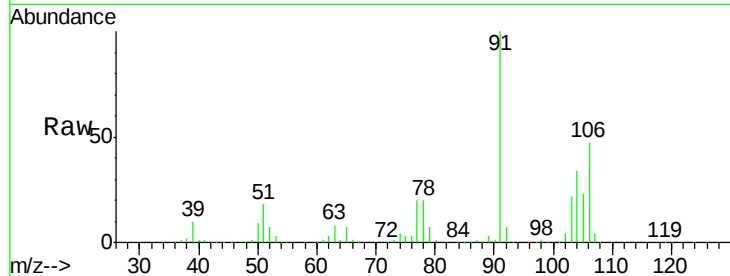
Time-->



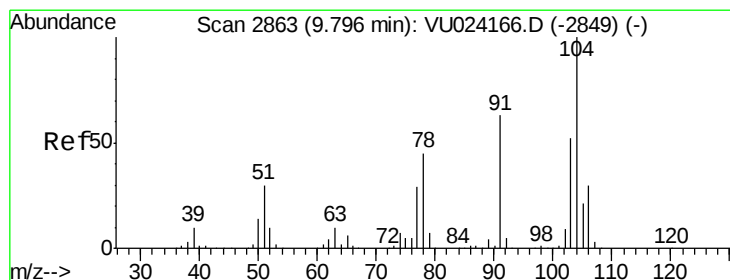
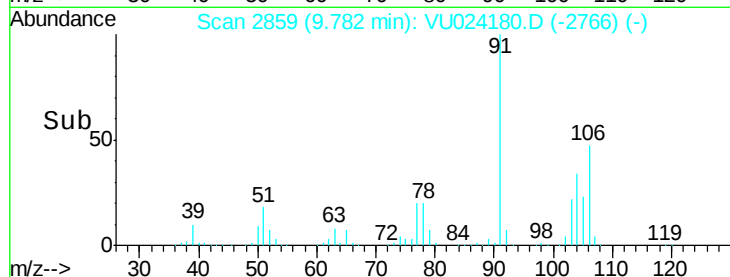
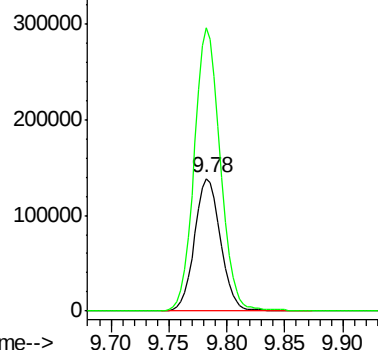


#54
o-xylene
Concen: 53.48 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024180.D
Acq: 27 May 2018 10:18

Tgt Ion:106 Resp: 216178
Ion Ratio Lower Upper
106 100
91 213.2 150.4 279.2

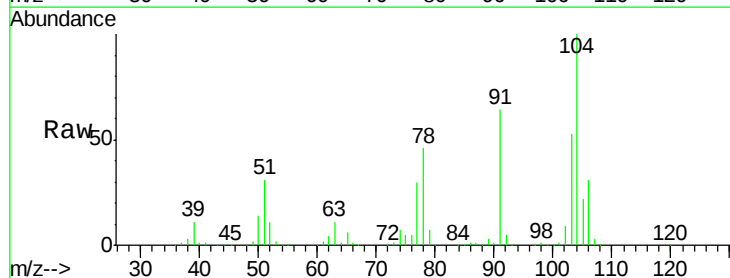


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

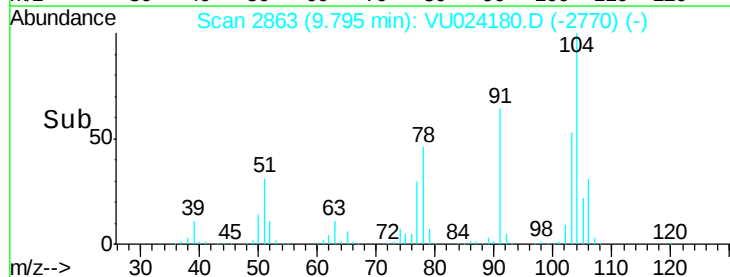
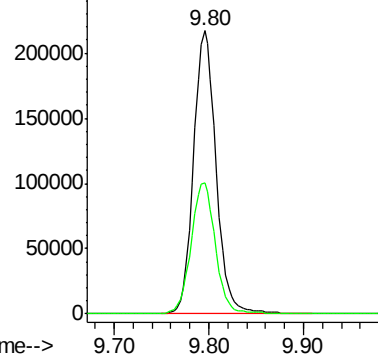


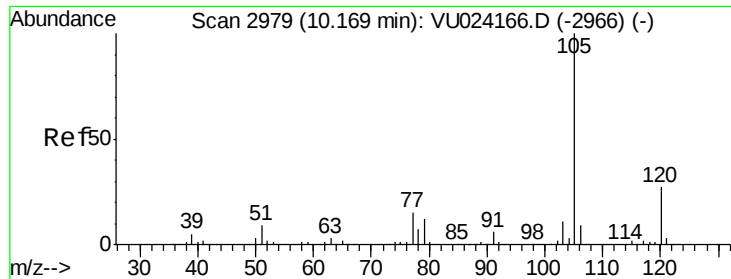
#55
Styrene
Concen: 53.81 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024180.D
Acq: 27 May 2018 10:18

Tgt Ion:104 Resp: 359538
Ion Ratio Lower Upper
104 100
78 46.2 32.6 60.5



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





#56

Isopropylbenzene

Concen: 53.62 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

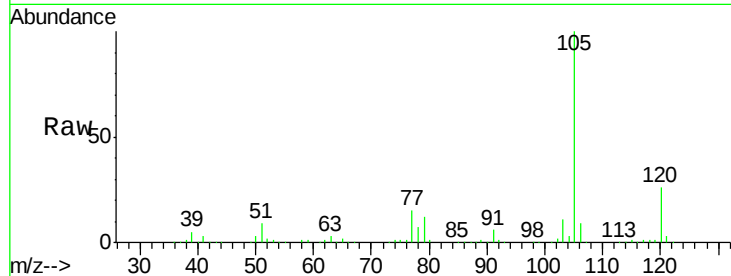
Tgt Ion: 105 Resp: 548618

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.0

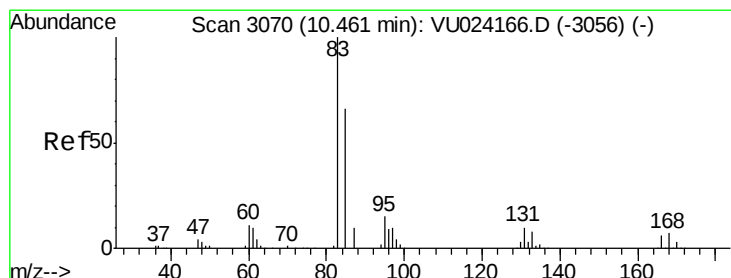
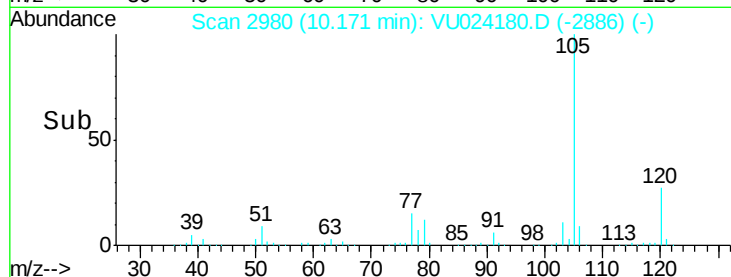
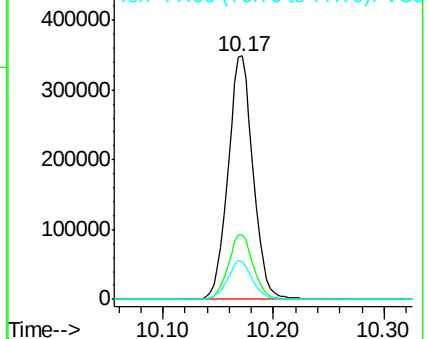
77 15.6 12.5 18.7



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: 47.77 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

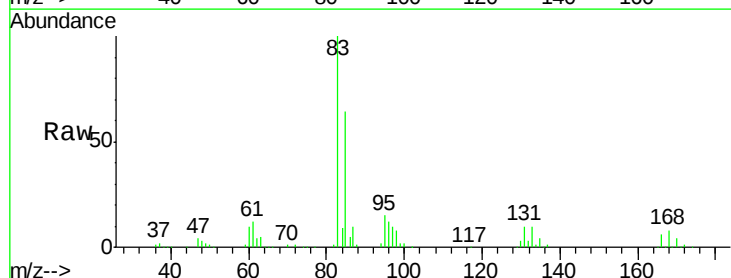
Tgt Ion: 83 Resp: 208027

Ion Ratio Lower Upper

83 100

85 64.0 45.3 84.1

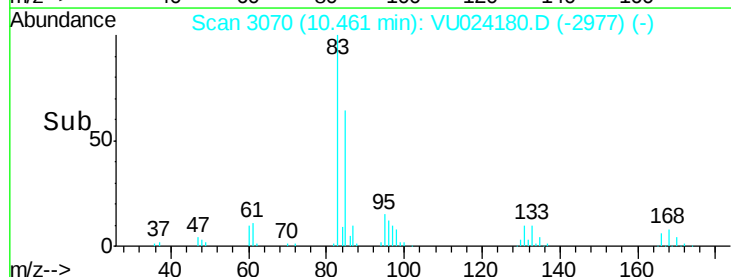
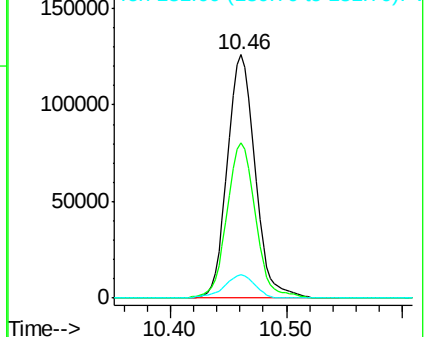
131 9.5 7.6 11.4

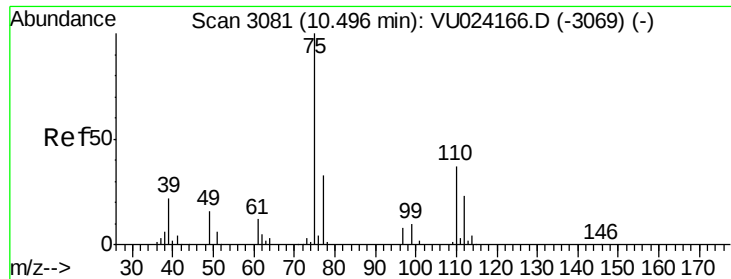


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

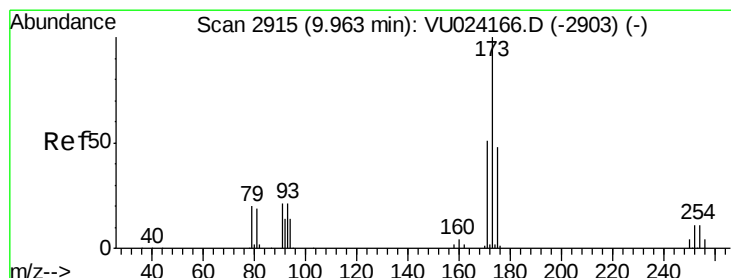
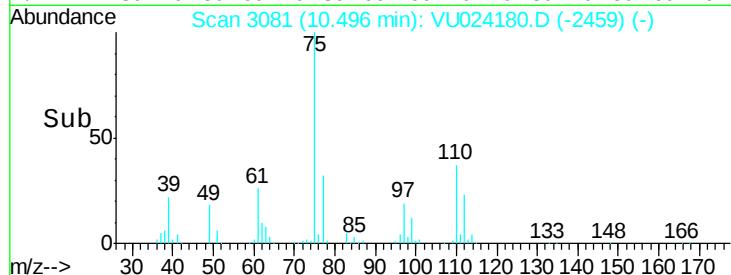
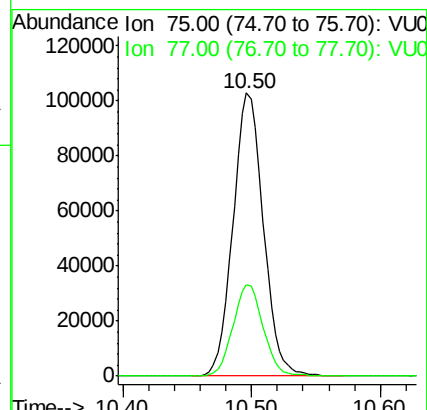
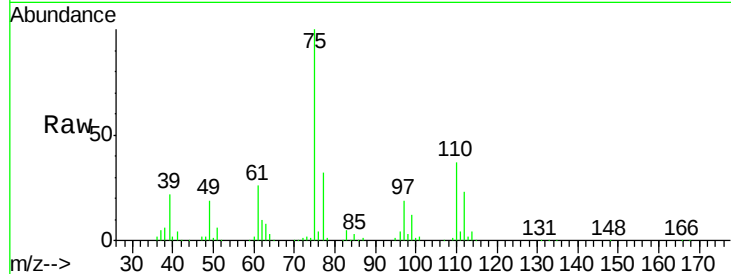
Ion 131.00 (130.70 to 131.70): V





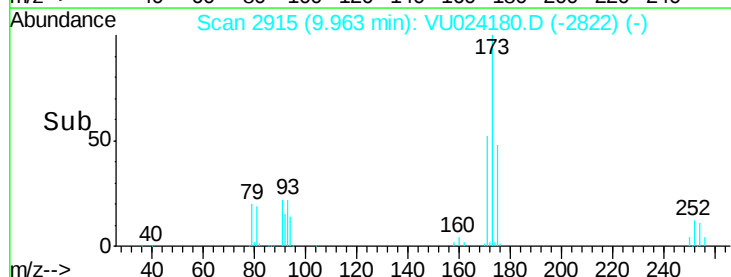
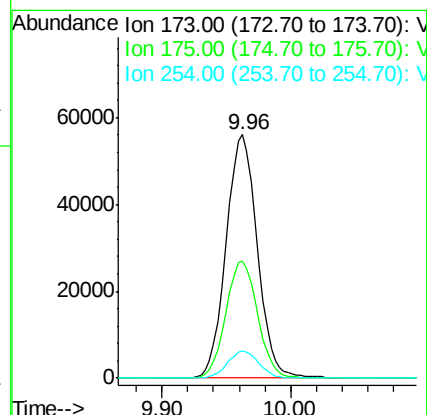
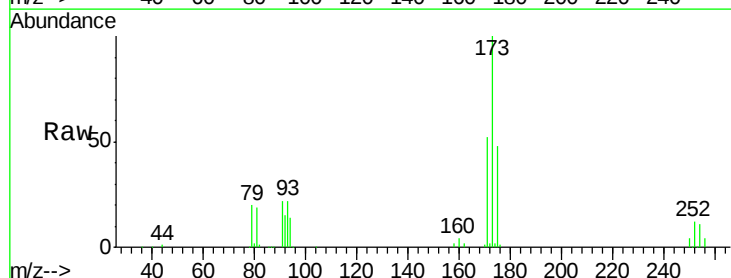
#59
 1,2,3-Trichloropropane
 Concen: 48.23 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024180.D
 Acq: 27 May 2018 10:18

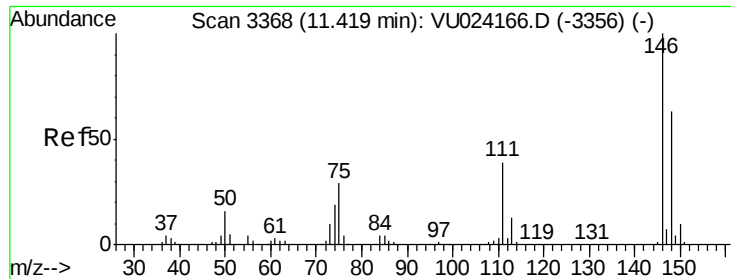
Tgt Ion: 75 Resp: 168078
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3



#61
 Bromoform
 Concen: 47.15 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU024180.D
 Acq: 27 May 2018 10:18

Tgt Ion: 173 Resp: 94252
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.5 57.7
 254 11.0 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 50.22 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

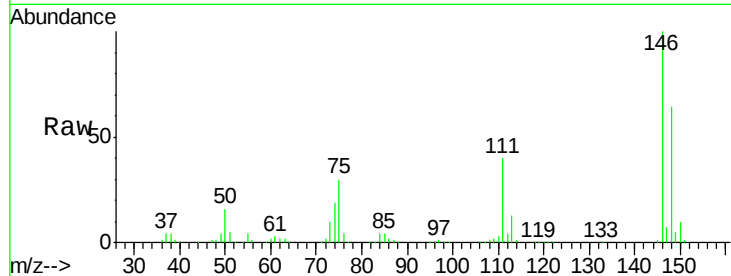
Tgt Ion:146 Resp: 237777

Ion Ratio Lower Upper

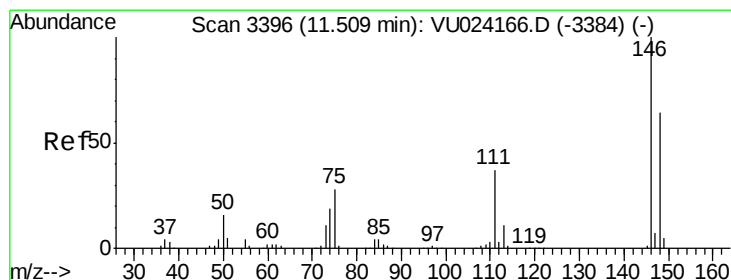
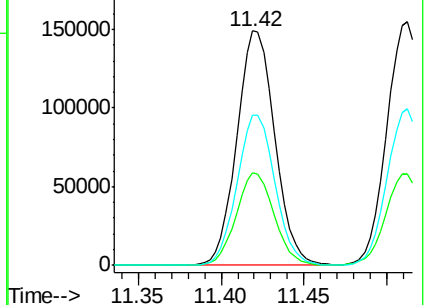
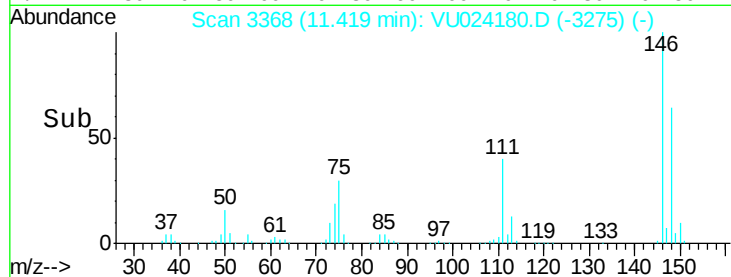
146 100

111 39.6 27.6 51.4

148 64.1 44.2 82.2



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: 50.75 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU024180.D

Acq: 27 May 2018 10:18

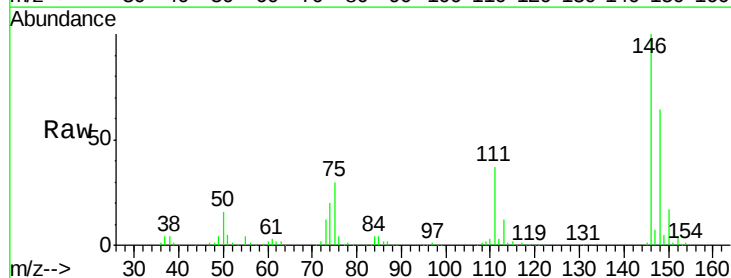
Tgt Ion:146 Resp: 245906

Ion Ratio Lower Upper

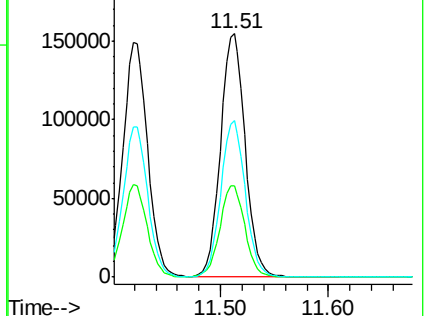
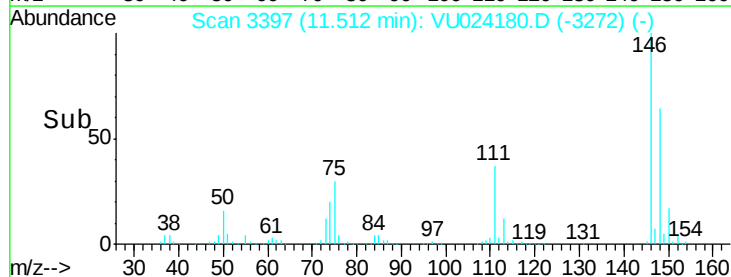
146 100

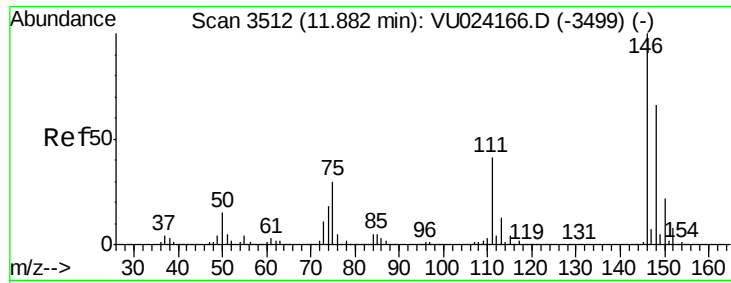
111 37.4 26.9 49.9

148 64.1 45.4 84.2



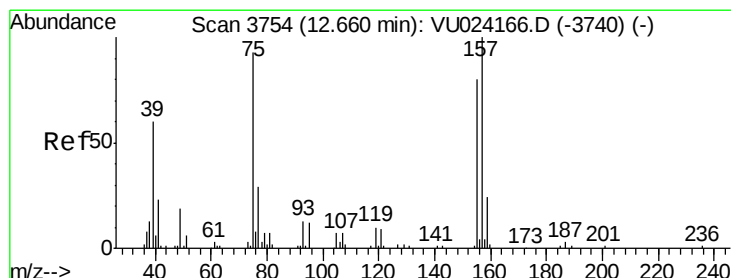
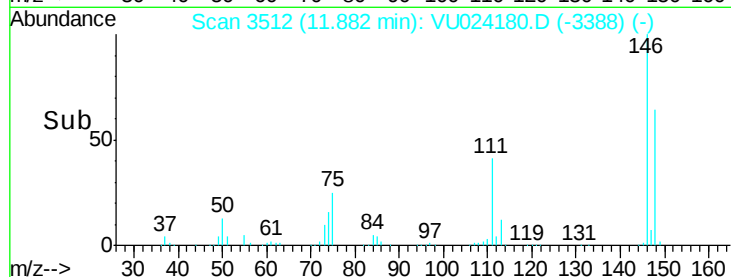
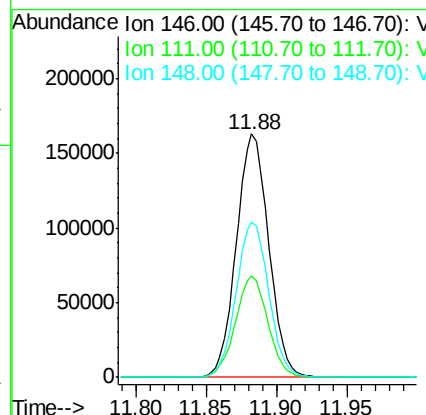
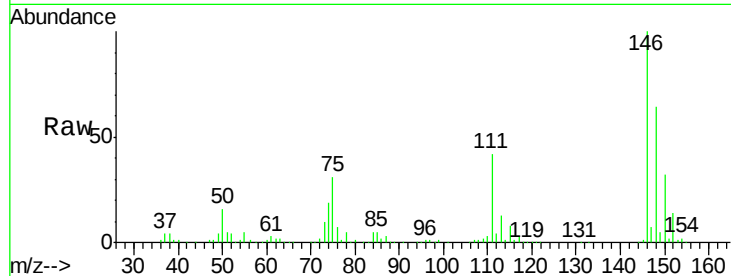
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





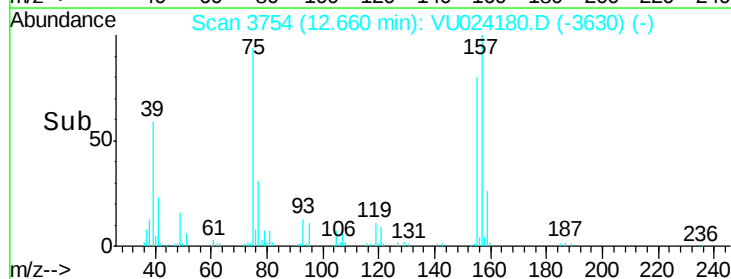
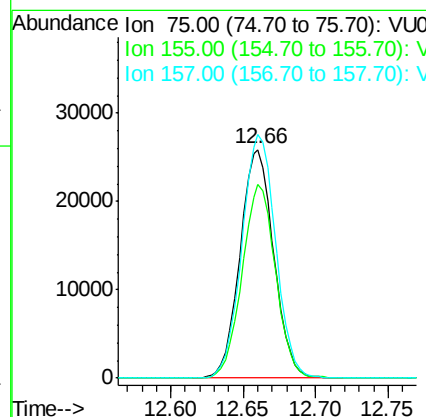
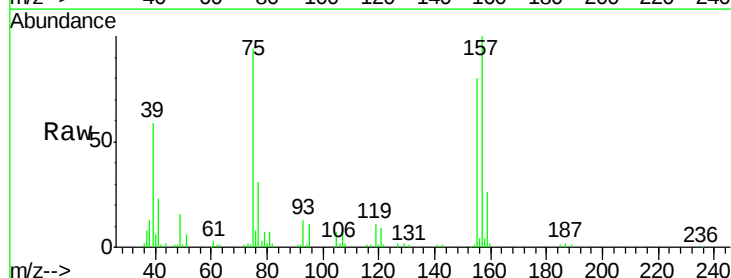
#65
 1,2-Dichlorobenzene
 Concen: 50.16 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024180.D
 Acq: 27 May 2018 10:18

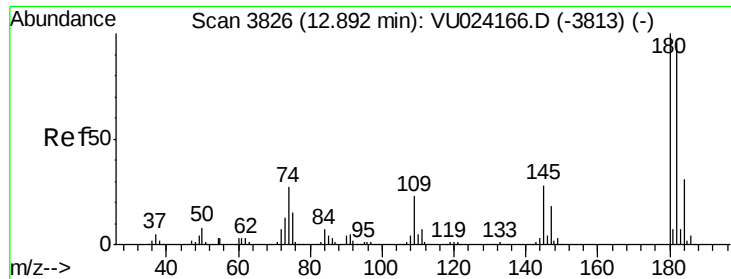
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	33.0	49.6
148	64.0	51.0	76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.78 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU024180.D
 Acq: 27 May 2018 10:18

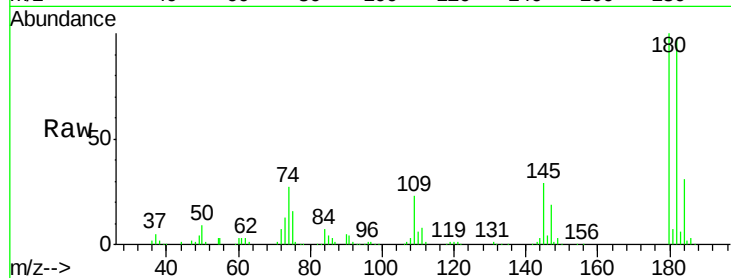
Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	66.8	100.2
157	106.5	84.8	127.2





#67
 1,3,5-Trichlorobenzene
 Concen: 52.86 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU024180.D
 Acq: 27 May 2018 10:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.6
184	30.6	24.6	36.8
145	28.7	23.4	35.0

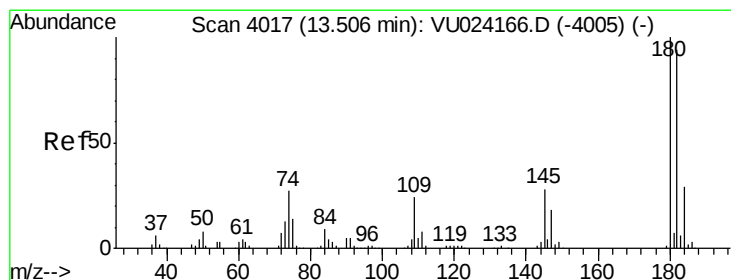
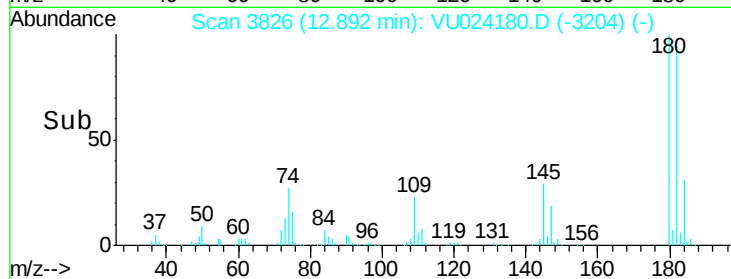
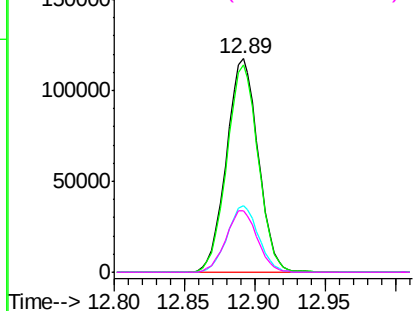


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

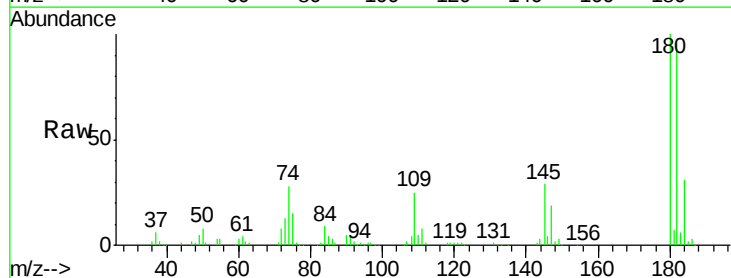
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.51 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024180.D
 Acq: 27 May 2018 10:18

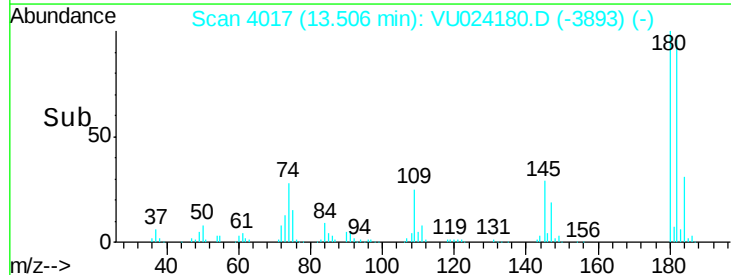
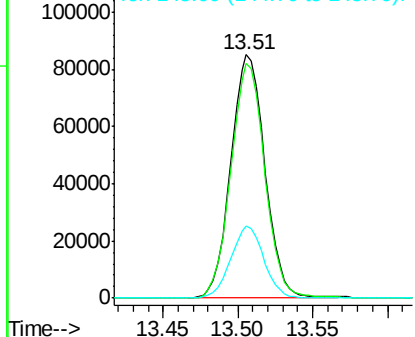
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.8	115.2
145	28.6	23.4	35.0

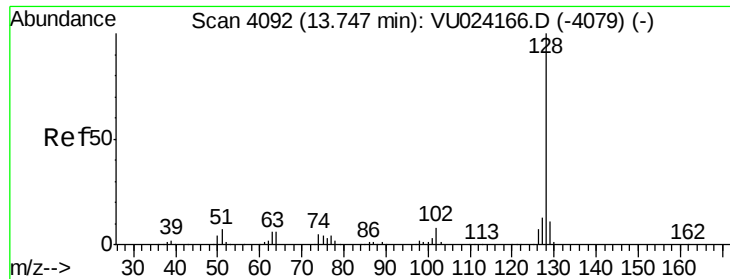


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

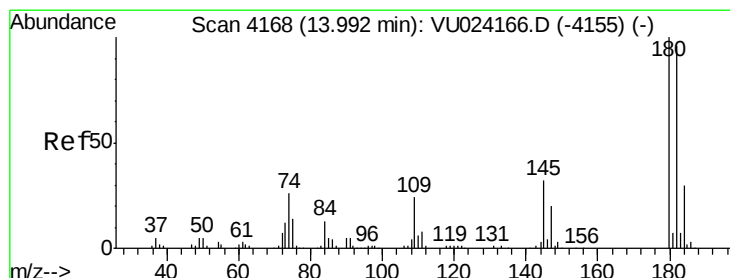
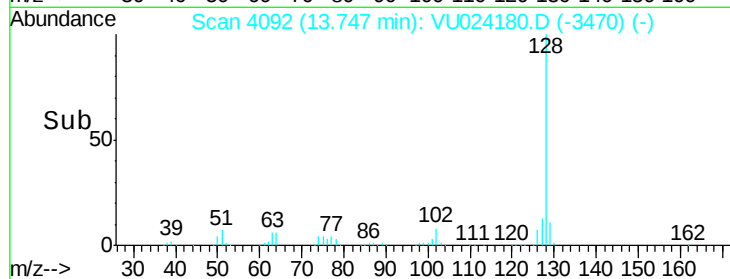
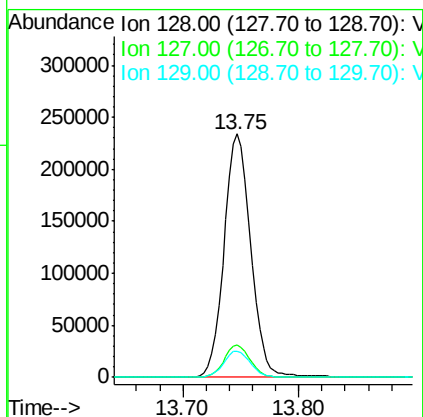
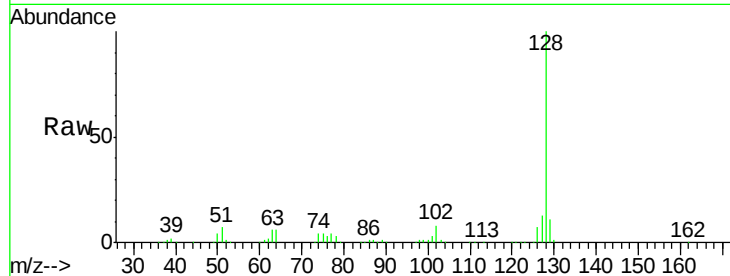
Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 50.44 ug/L
RT: 13.75 min Scan# 4092
Delta R.T. -0.00 min
Lab File: VU024180.D
Acq: 27 May 2018 10:18

Tgt Ion:128 Resp: 374813
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.9 8.7 13.1



#70
1,2,3-Trichlorobenzene
Concen: 53.69 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. -0.00 min
Lab File: VU024180.D
Acq: 27 May 2018 10:18

Tgt Ion:180 Resp: 152439
Ion Ratio Lower Upper
180 100
182 94.9 75.8 113.6
145 30.3 24.5 36.7

