

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052718\
 Data File : VU024182.D
 Acq On : 27 May 2018 11:50
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 28 04:07:09 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	289113	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	284939	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	132668	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	114179	51.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.90%
7) Chloroethane-d5	1.68	69	94824	54.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.66%
11) 1,1-Dichloroethene-d2	2.27	63	208077	50.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.78%
21) 2-Butanone-d5	4.18	46	169421	96.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.96%
24) Chloroform-d	4.65	84	213454	54.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.38%
26) 1,2-Dichloroethane-d4	5.31	65	138453	55.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.98%
32) Benzene-d6	5.35	84	425033	53.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.80%
36) 1,2-Dichloropropane-d6	6.34	67	143944	53.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.52%
41) Toluene-d8	7.57	98	395008	54.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.10%
43) trans-1,3-Dichloropropene-	7.85	79	58775	54.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.38%
47) 2-Hexanone-d5	8.31	63	118708	92.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.06%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	197010	49.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	151899	52.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.44%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	135462	47.04	ug/L	100
3) Chloromethane	1.33	50	153144	47.84	ug/L	98
5) Vinyl chloride	1.40	62	141343	46.55	ug/L	100
6) Bromomethane	1.62	94	81952	52.31	ug/L	98
8) Chloroethane	1.70	64	89992	50.06	ug/L	98
9) Trichlorofluoromethane	1.89	101	169446	48.32	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	106602	50.12	ug/L	100
12) 1,1-Dichloroethene	2.28	96	96817	48.76	ug/L	97
13) Acetone	2.32	43	156010	102.45	ug/L	98
14) Carbon disulfide	2.48	76	306098	47.54	ug/L	100
15) Methyl Acetate	2.62	43	140070	50.46	ug/L	99
16) Methylene chloride	2.70	84	127704	51.69	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	104178	50.03	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	343579	54.70	ug/L	100
19) 1,1-Dichloroethane	3.45	63	215123	51.28	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	122100	52.44	ug/L	99
22) 2-Butanone	4.26	43	202546	101.43	ug/L	100

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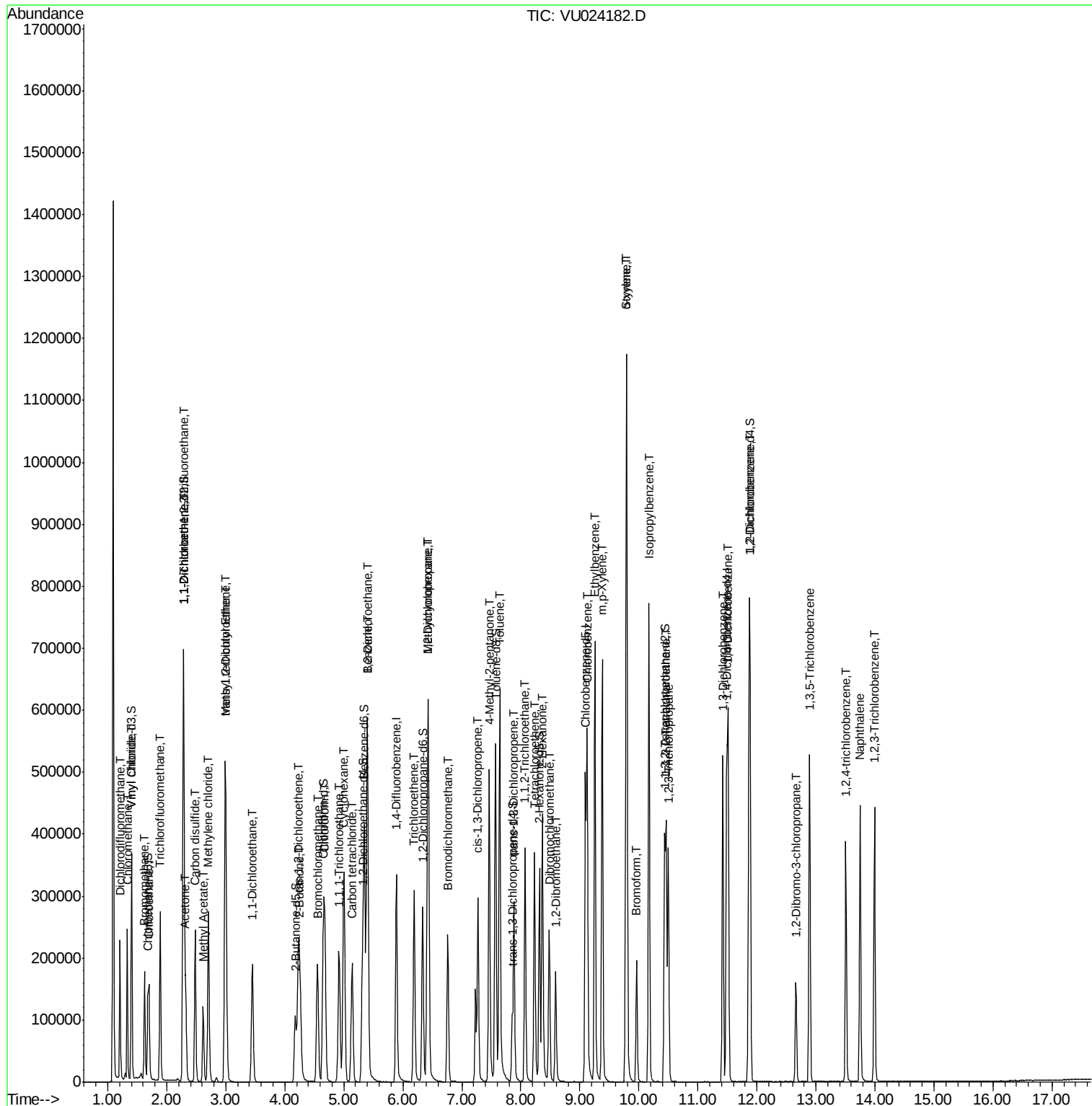
Quant Time: May 28 04:07:09 2018
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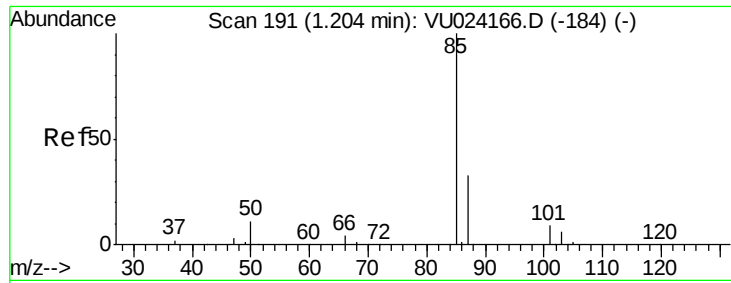
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.55	128	65544	54.19	ug/L	96
25) Chloroform	4.68	83	215809	52.44	ug/L	98
27) 1,2-Dichloroethane	5.41	62	171582	52.51	ug/L	99
29) Cyclohexane	5.00	56	175932	47.03	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	163894	48.42	ug/L	99
31) Carbon tetrachloride	5.14	117	141165	47.62	ug/L	100
33) Benzene	5.39	78	478689	50.47	ug/L	100
34) Trichloroethene	6.19	95	112769	42.32	ug/L	98
35) Methylcyclohexane	6.42	83	176623	47.90	ug/L	98
37) 1,2-Dichloropropane	6.44	63	135453	50.92	ug/L	100
38) Bromodichloromethane	6.76	83	159588	51.05	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	183310	52.19	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	344323	95.47	ug/L	99
42) Toluene	7.64	91	496024	51.51	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	164086	52.46	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	123969	52.42	ug/L	98
46) Tetrachloroethene	8.23	164	92230	49.48	ug/L	98
48) 2-Hexanone	8.36	43	272178	95.65	ug/L	99
49) Dibromochloromethane	8.48	129	128244	51.55	ug/L	100
50) 1,2-Dibromoethane	8.59	107	122560	51.50	ug/L	99
51) Chlorobenzene	9.12	112	313757	50.20	ug/L	100
52) Ethylbenzene	9.26	91	511751	50.27	ug/L	99
53) m,p-Xylene	9.38	106	201143	52.16	ug/L	98
54) o-xylene	9.78	106	199722	51.71	ug/L	98
55) Styrene	9.80	104	341576	53.51	ug/L	98
56) Isopropylbenzene	10.17	105	498199	50.96	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	203869	49.01	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	161475	48.50	ug/L	99
61) Bromoform	9.96	173	91227	48.65	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	221292	49.82	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	227407	50.03	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	249879	50.92	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	39933	45.76	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	166766	50.86	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	122046	51.56	ug/L	99
69) Naphthalene	13.75	128	351675	50.44	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	141628	53.17	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 47.04 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024182.D

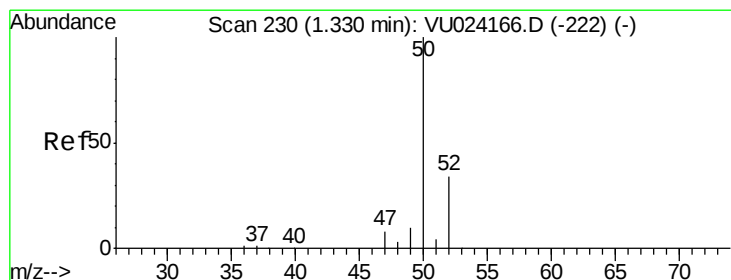
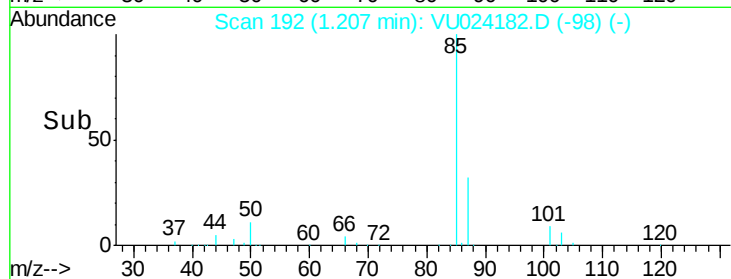
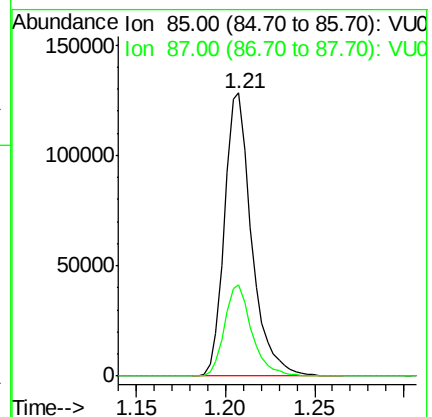
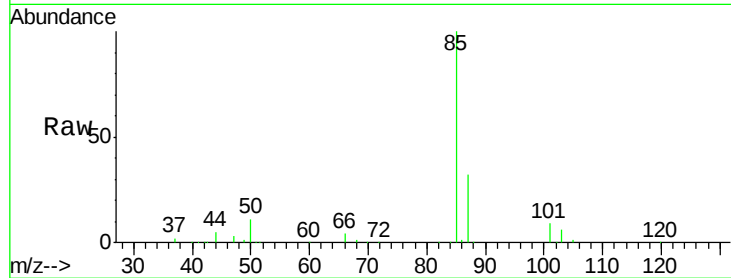
Acq: 27 May 2018 11:50

Tgt Ion: 85 Resp: 135462

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.8



#3

Chloromethane

Concen: 47.84 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024182.D

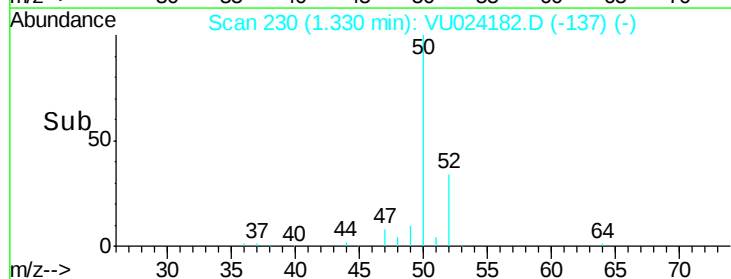
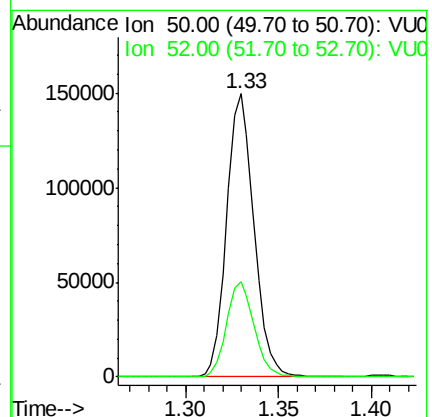
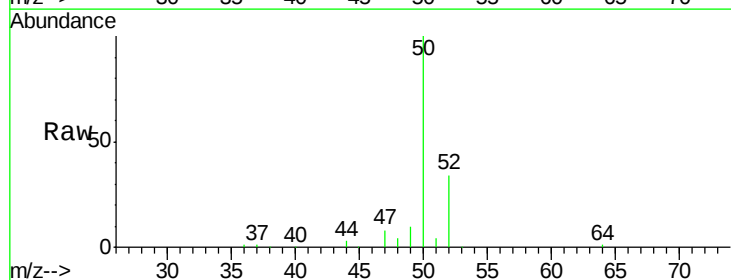
Acq: 27 May 2018 11:50

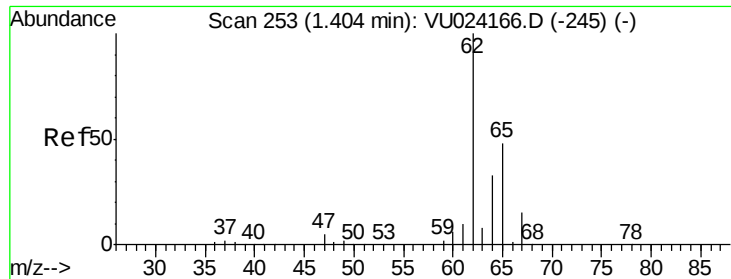
Tgt Ion: 50 Resp: 153144

Ion Ratio Lower Upper

50 100

52 33.6 22.9 42.5





#5

Vinyl chloride

Concen: 46.55 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024182.D

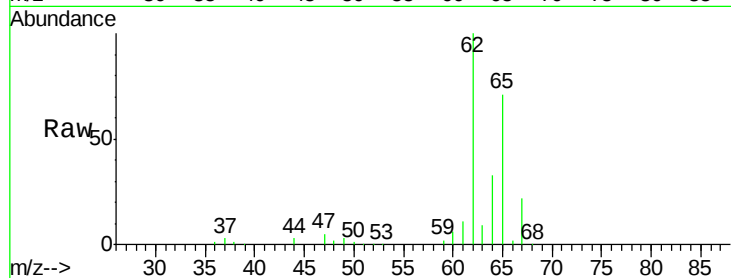
Acq: 27 May 2018 11:50

Tgt Ion: 62 Resp: 141343

Ion Ratio Lower Upper

62 100

64 33.5 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

150000

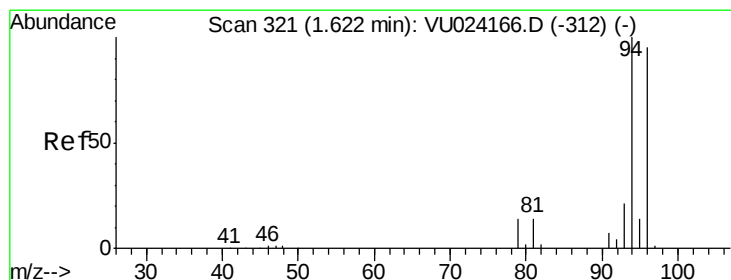
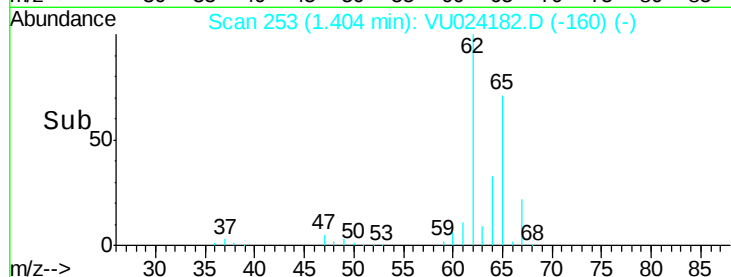
100000

50000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 52.31 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024182.D

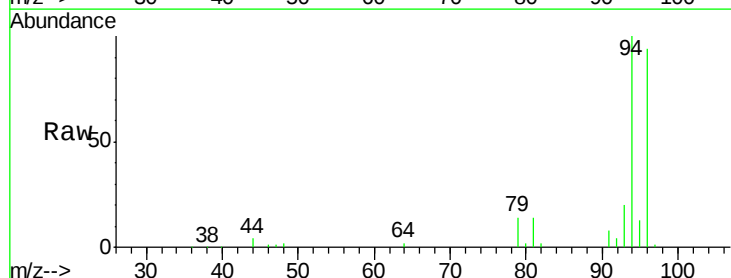
Acq: 27 May 2018 11:50

Tgt Ion: 94 Resp: 81952

Ion Ratio Lower Upper

94 100

96 93.9 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

60000

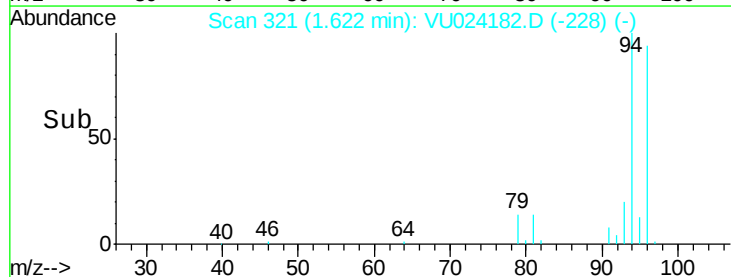
40000

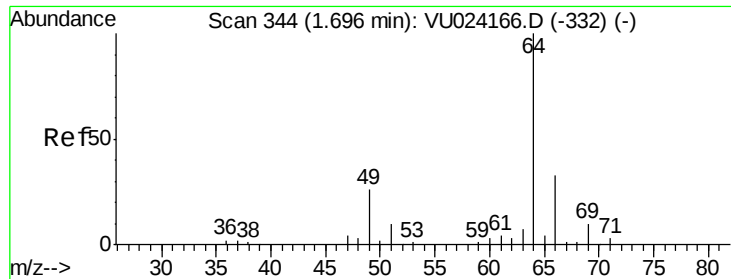
20000

0

Time-->

1.55 1.60 1.65 1.70





#8

Chloroethane

Concen: 50.06 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024182.D

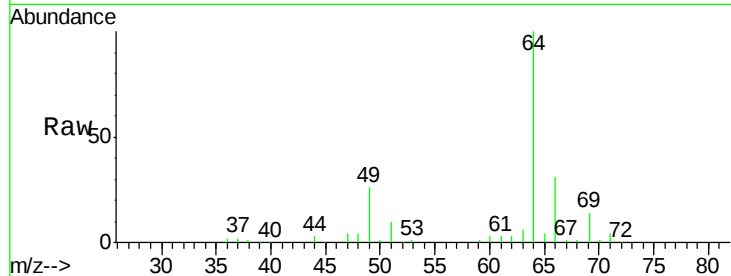
Acq: 27 May 2018 11:50

Tgt Ion: 64 Resp: 89992

Ion Ratio Lower Upper

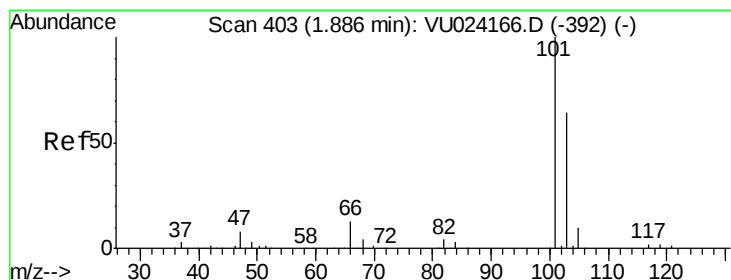
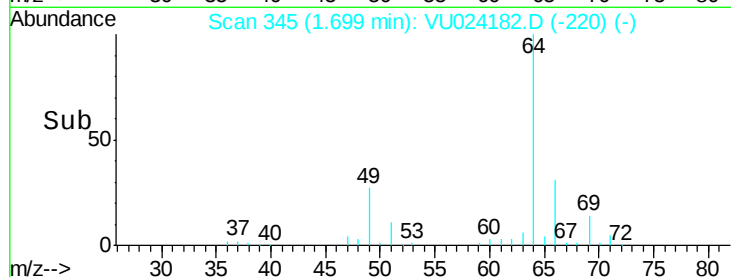
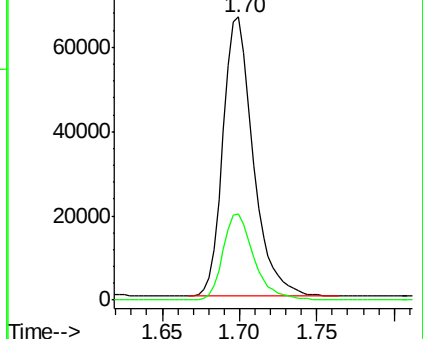
64 100

66 30.5 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: 48.32 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU024182.D

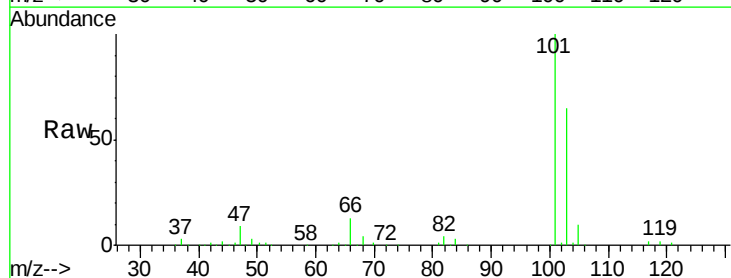
Acq: 27 May 2018 11:50

Tgt Ion: 101 Resp: 169446

Ion Ratio Lower Upper

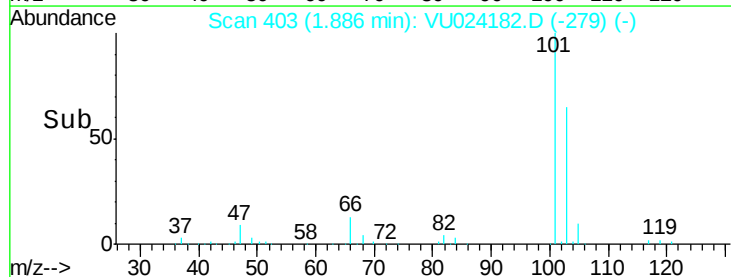
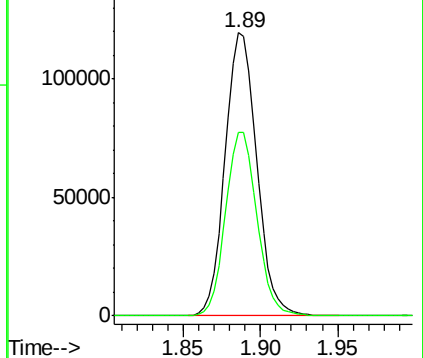
101 100

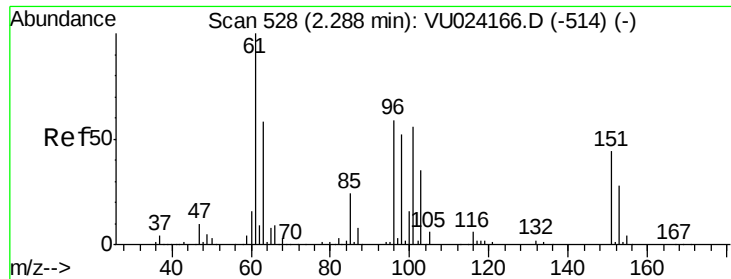
103 64.3 52.1 78.1



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: 50.12 ug/L

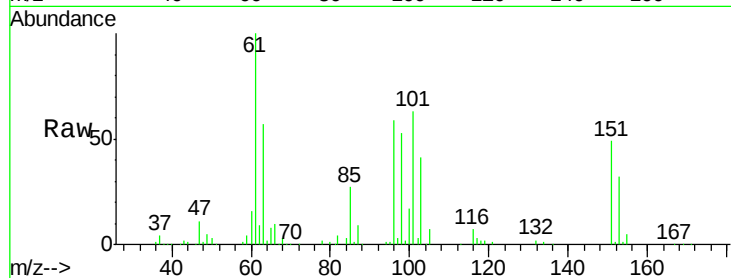
RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024182.D

Acq: 27 May 2018 11:50

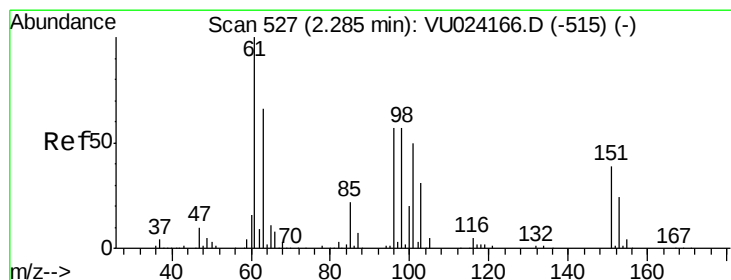
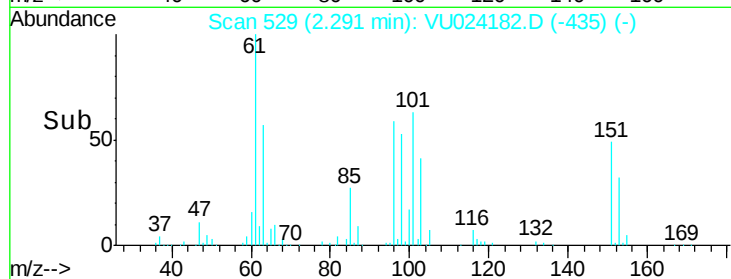
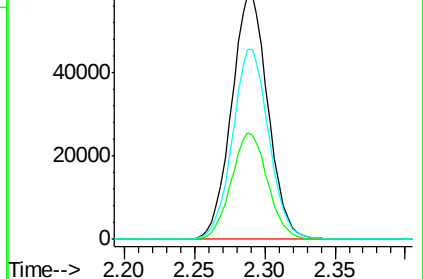
Tgt Ion:	101	Resp:	106602
Ion	Ratio	Lower	Upper
101	100		
85	43.1	35.0	52.6
151	77.3	61.9	92.9



Abundance Ion 101.00 (100.70 to 101.70): VU024182.D (-435) (-)

Ion 85.00 (84.70 to 85.70): VU024182.D (-435) (-)

Ion 151.00 (150.70 to 151.70): VU024182.D (-435) (-)



#12

1,1-Dichloroethene

Concen: 48.76 ug/L

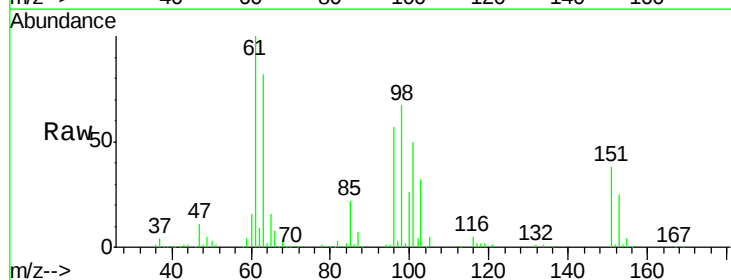
RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU024182.D

Acq: 27 May 2018 11:50

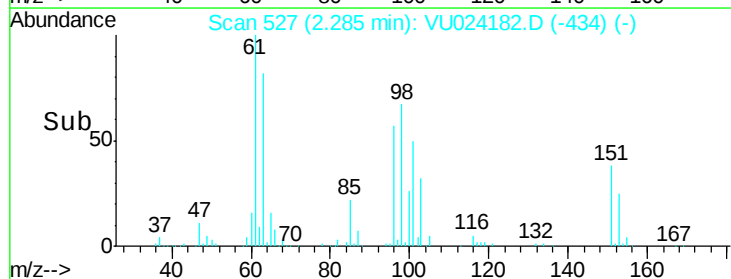
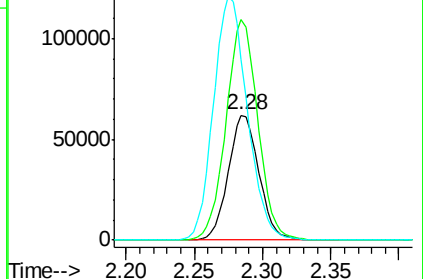
Tgt Ion:	96	Resp:	96817
Ion	Ratio	Lower	Upper
96	100		
61	176.6	124.2	230.6
63	144.8	96.4	179.0

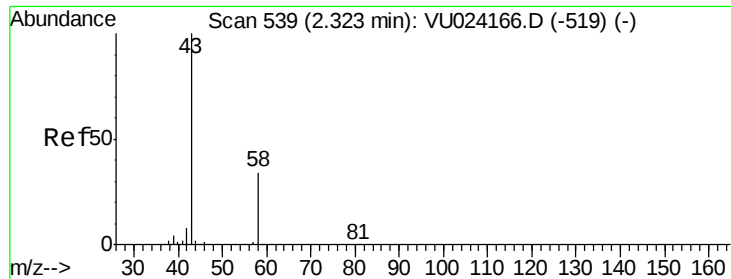


Abundance Ion 96.00 (95.70 to 96.70): VU024182.D (-434) (-)

Ion 61.00 (60.70 to 61.70): VU024182.D (-434) (-)

Ion 63.00 (62.70 to 63.70): VU024182.D (-434) (-)





#13

Acetone

Concen: 102.45 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024182.D

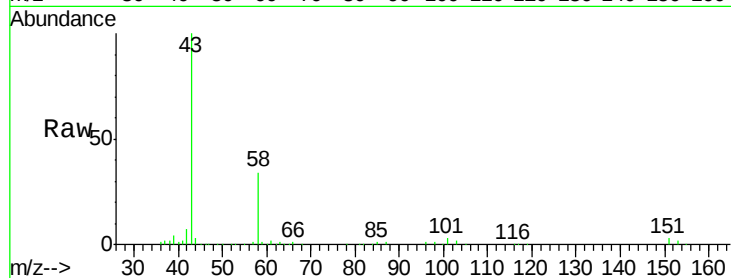
Acq: 27 May 2018 11:50

Tgt Ion: 43 Resp: 156010

Ion Ratio Lower Upper

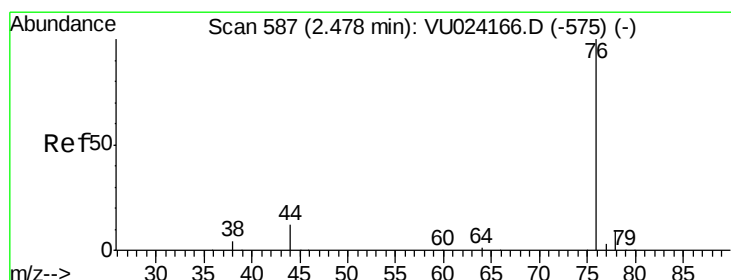
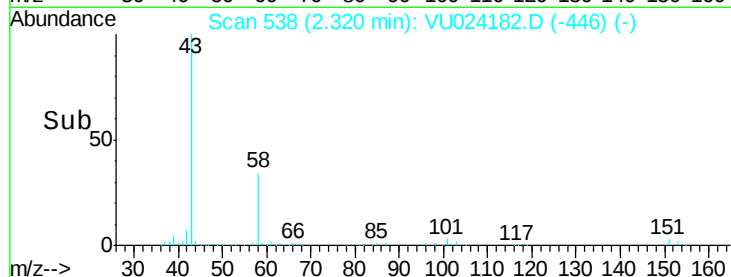
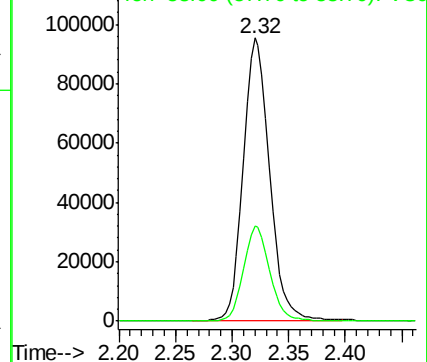
43 100

58 33.4 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 47.54 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024182.D

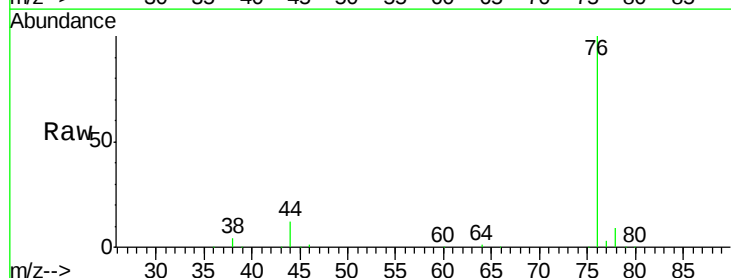
Acq: 27 May 2018 11:50

Tgt Ion: 76 Resp: 306098

Ion Ratio Lower Upper

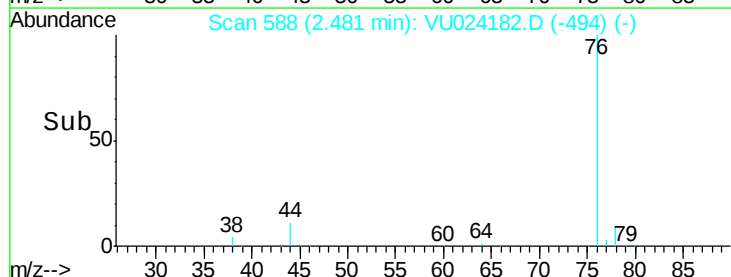
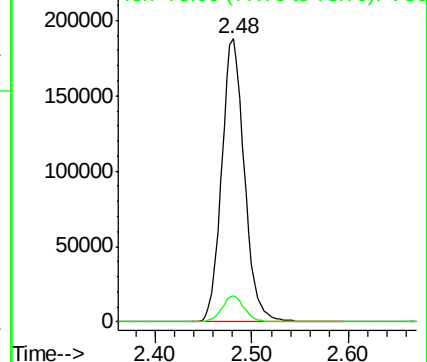
76 100

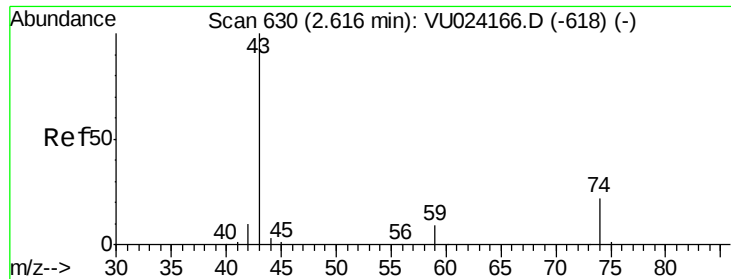
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

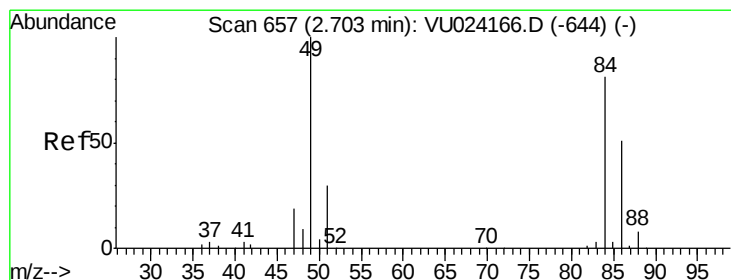
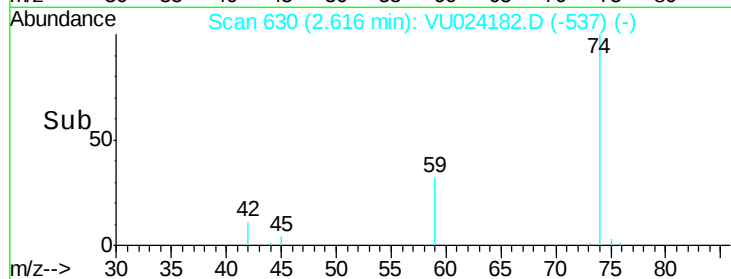
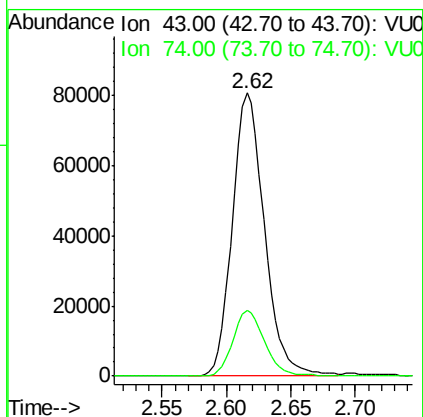
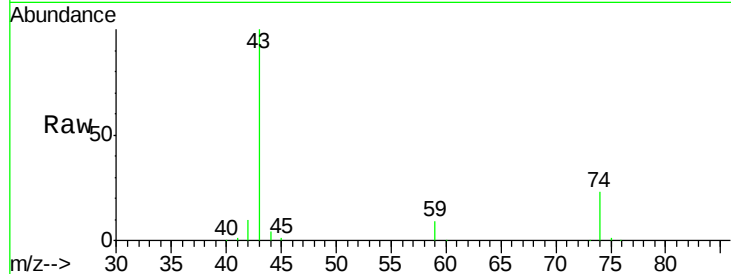
Ion 78.00 (77.70 to 78.70): VU0





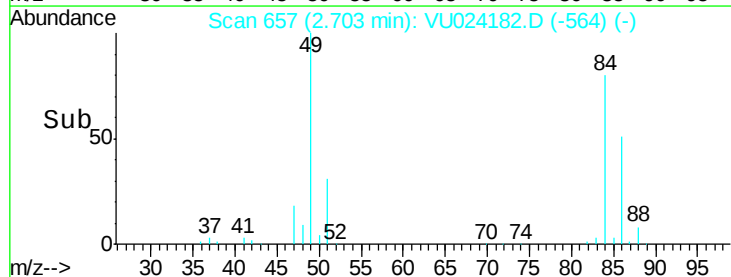
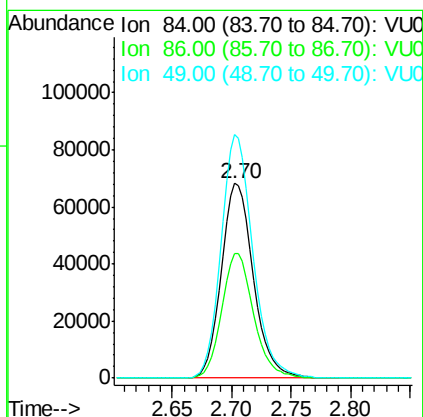
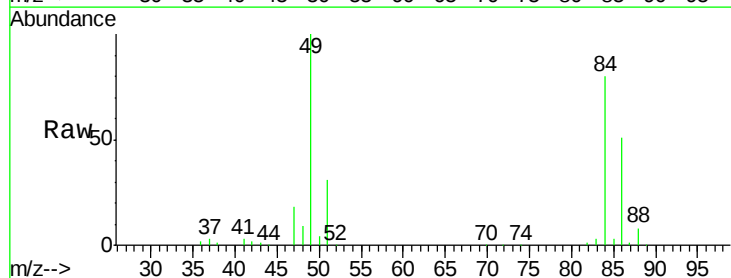
#15
Methyl Acetate
Concen: 50.46 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

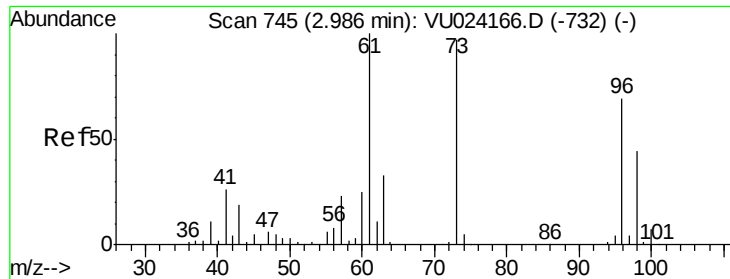
Tgt Ion: 43 Resp: 140070
Ion Ratio Lower Upper
43 100
74 22.9 18.6 28.0



#16
Methylene chloride
Concen: 51.69 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

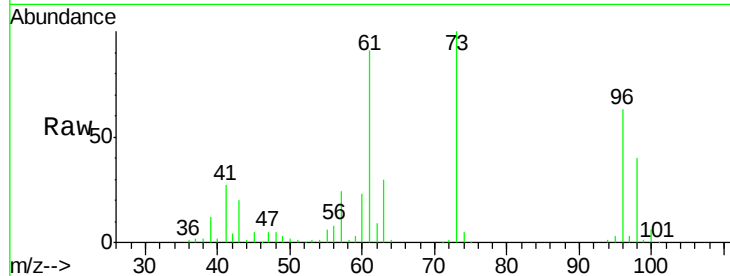
Tgt Ion: 84 Resp: 127704
Ion Ratio Lower Upper
84 100
86 64.0 45.4 84.2
49 125.2 87.4 162.2



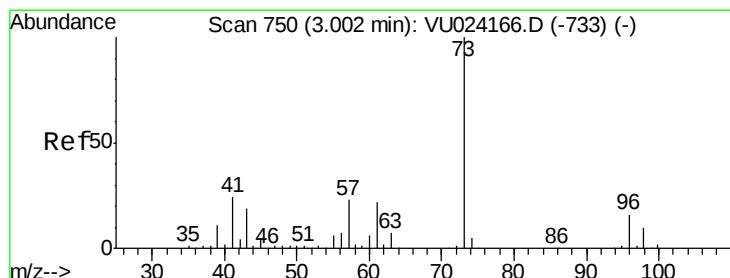
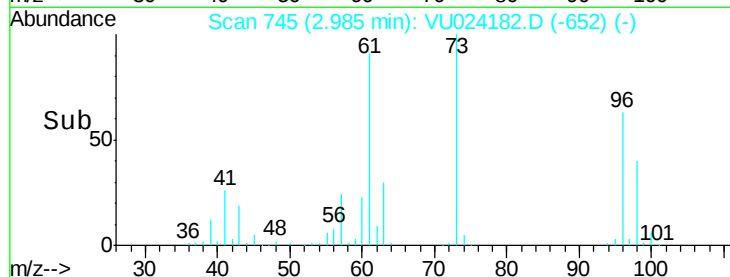
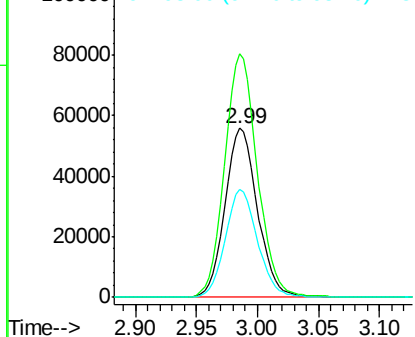


#17
trans-1,2-Dichloroethene
Concen: 50.03 ug/L
RT: 2.99 min Scan# 745
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

Tgt Ion: 96 Resp: 104178
Ion Ratio Lower Upper
96 100
61 143.9 102.8 191.0
98 63.7 44.3 82.3

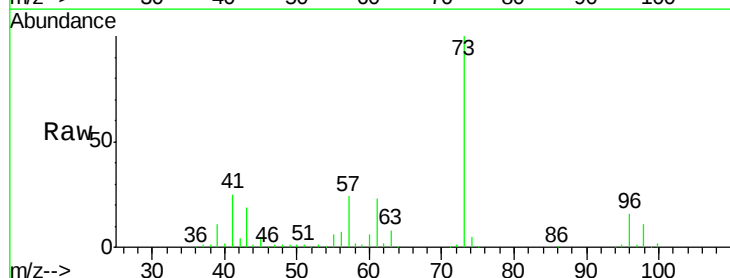


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

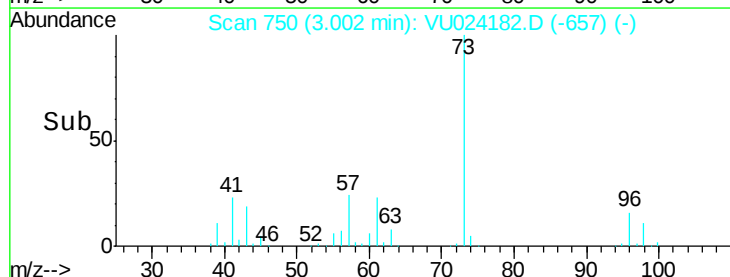
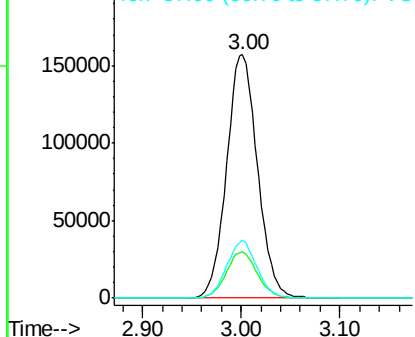


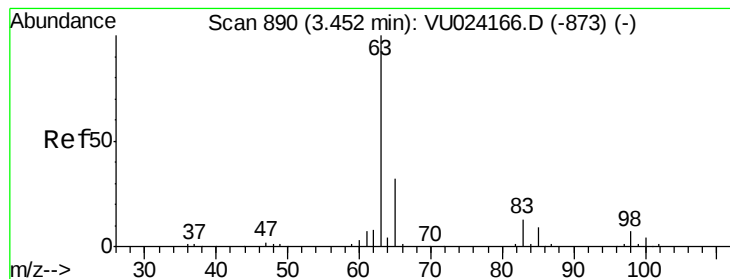
#18
Methyl tert-butyl Ether
Concen: 54.70 ug/L
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

Tgt Ion: 73 Resp: 343579
Ion Ratio Lower Upper
73 100
43 19.3 15.4 23.0
57 23.1 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: 51.28 ug/L

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024182.D

Acq: 27 May 2018 11:50

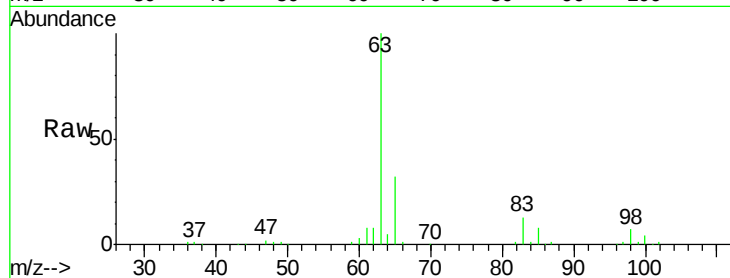
Tgt Ion: 63 Resp: 215123

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.3

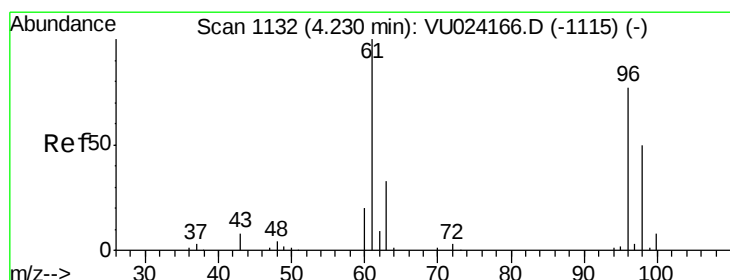
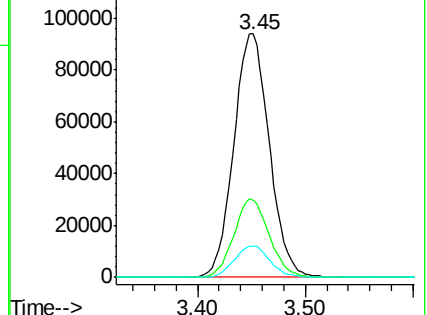
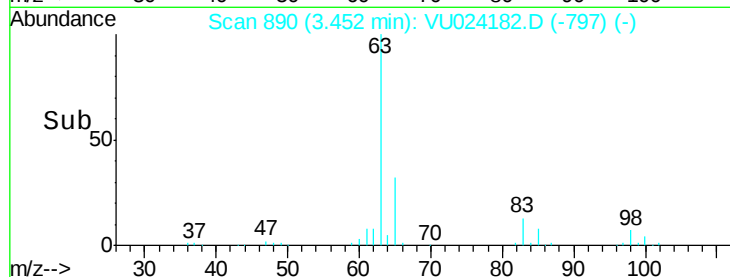
83 13.0 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU024182.D (-797) (-)

Ion 65.00 (64.70 to 65.70): VU024182.D (-797) (-)

Ion 83.00 (82.70 to 83.70): VU024182.D (-797) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.44 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024182.D

Acq: 27 May 2018 11:50

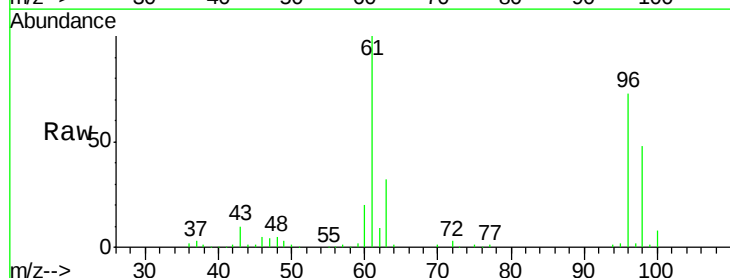
Tgt Ion: 96 Resp: 122100

Ion Ratio Lower Upper

96 100

61 136.3 94.8 176.0

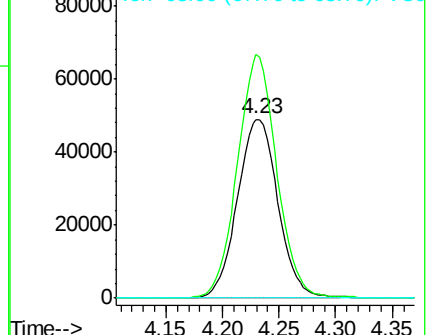
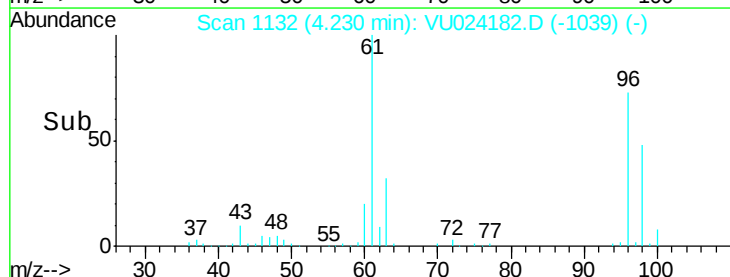
68 0.0 0.0 0.0

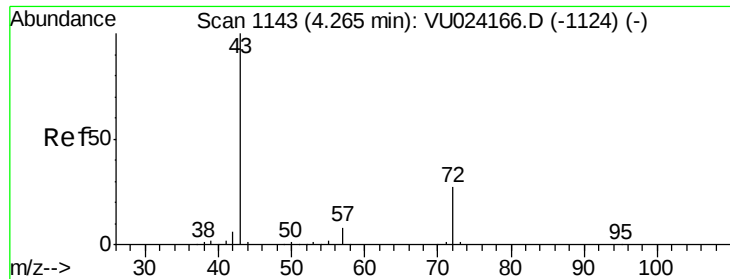


Abundance Ion 96.00 (95.70 to 96.70): VU024182.D (-1039) (-)

Ion 61.00 (60.70 to 61.70): VU024182.D (-1039) (-)

Ion 68.00 (67.70 to 68.70): VU024182.D (-1039) (-)





#22

2-Butanone

Concen: 101.43 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU024182.D

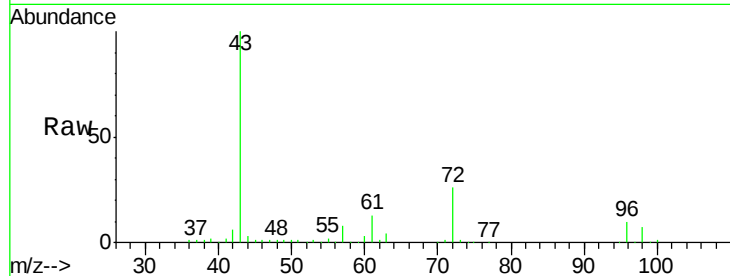
Acq: 27 May 2018 11:50

Tgt Ion: 43 Resp: 202546

Ion Ratio Lower Upper

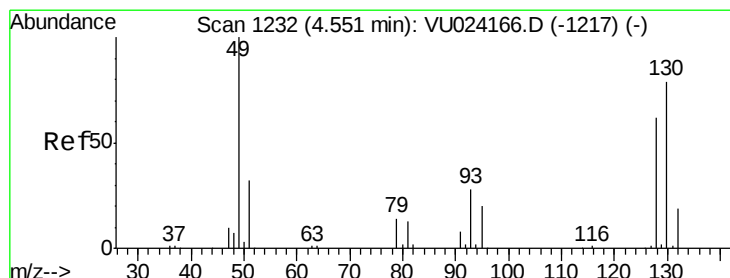
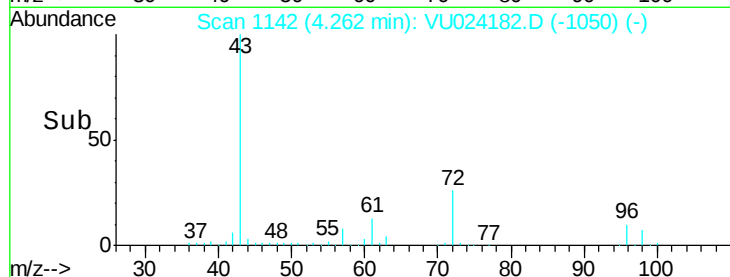
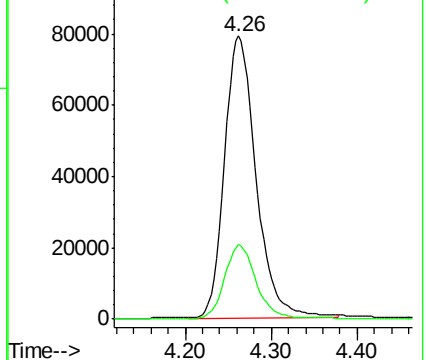
43 100

72 26.4 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 54.19 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024182.D

Acq: 27 May 2018 11:50

Tgt Ion: 128 Resp: 65544

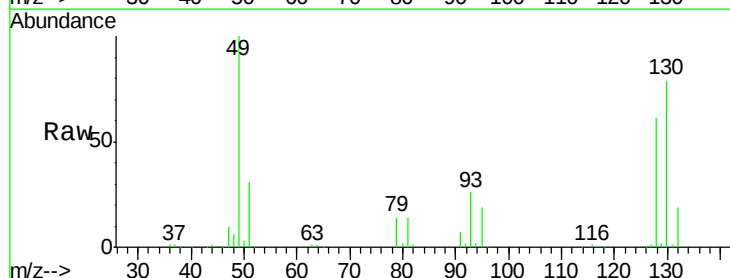
Ion Ratio Lower Upper

128 100

49 162.8 118.2 219.6

130 128.8 88.4 164.2

51 50.8 43.4 65.2

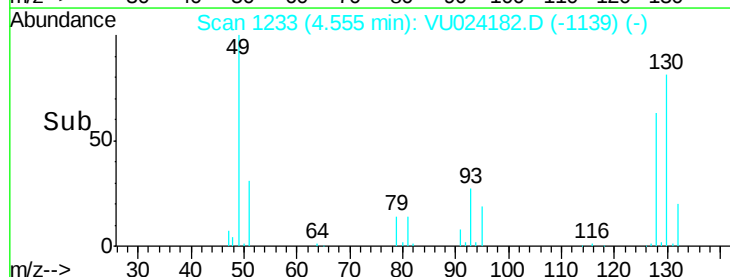
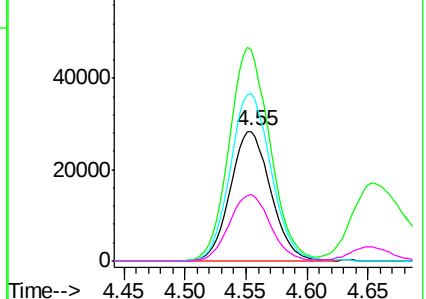


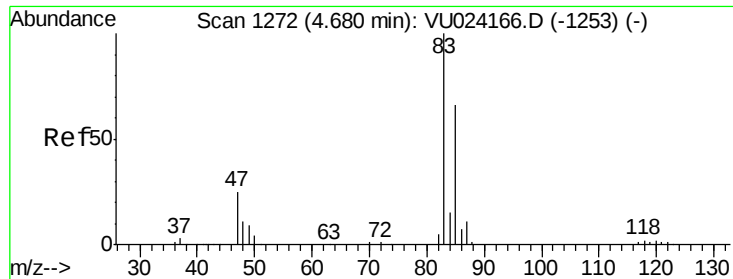
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

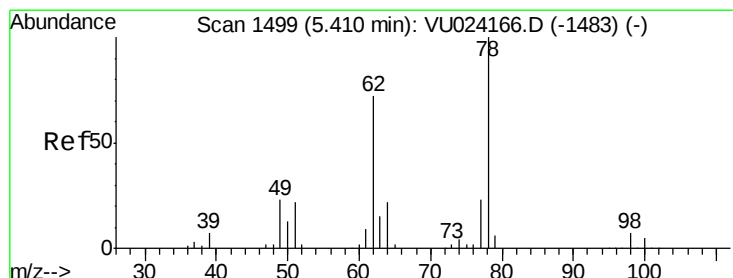
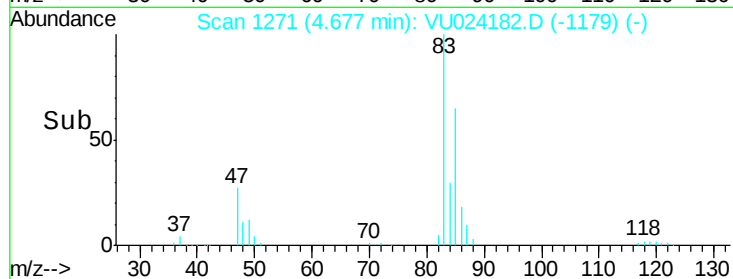
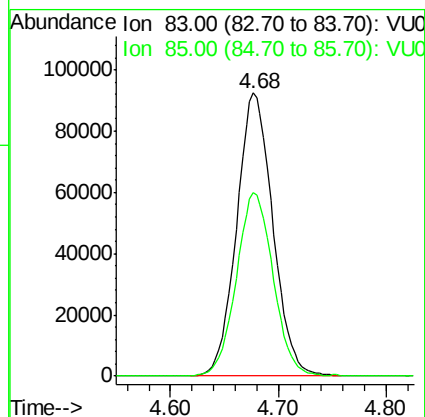
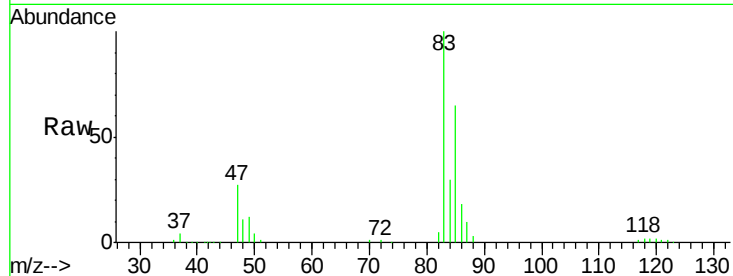
Ion 51.00 (50.70 to 51.70): VU0





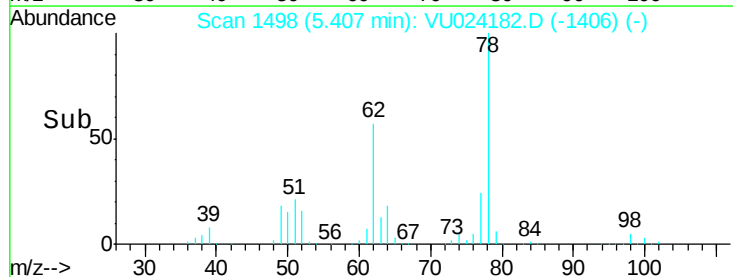
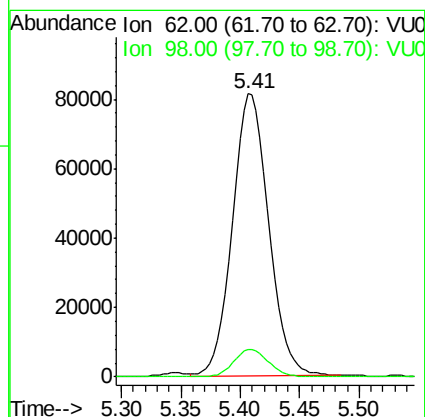
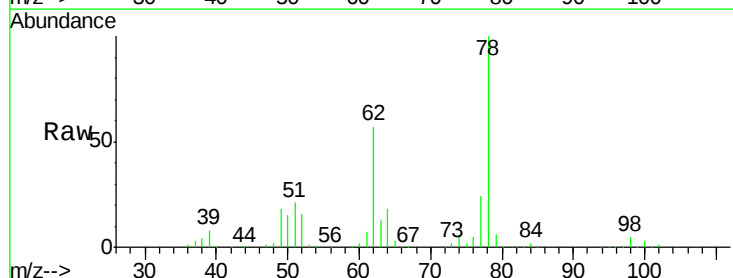
#25
Chloroform
Concen: 52.44 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

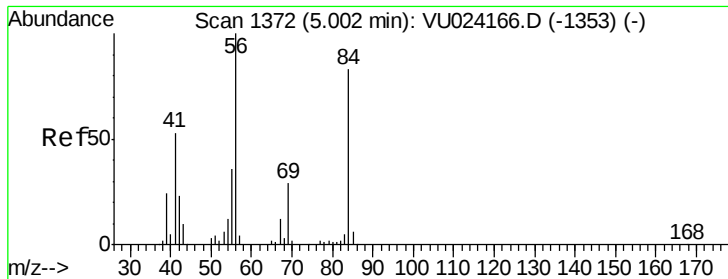
Tgt Ion: 83 Resp: 215809
Ion Ratio Lower Upper
83 100
85 64.6 44.4 82.4



#27
1,2-Dichloroethane
Concen: 52.51 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

Tgt Ion: 62 Resp: 171582
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.0

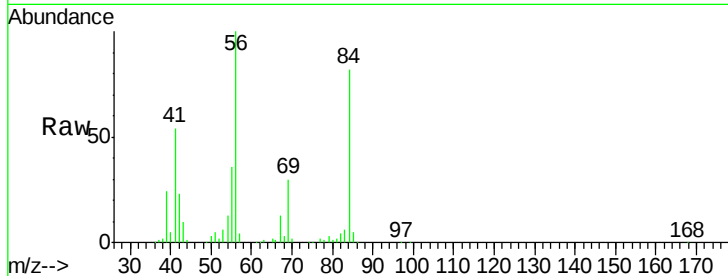




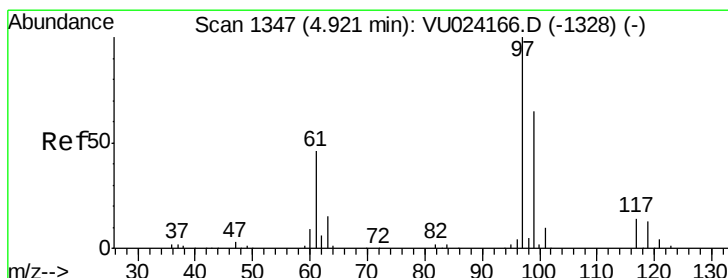
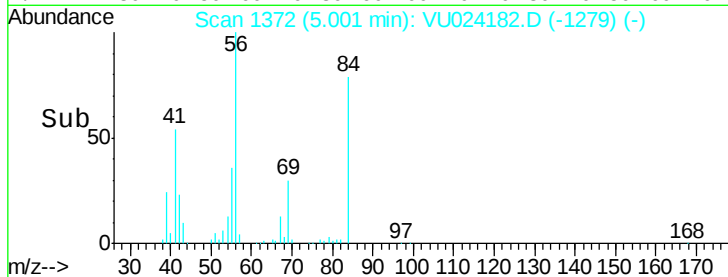
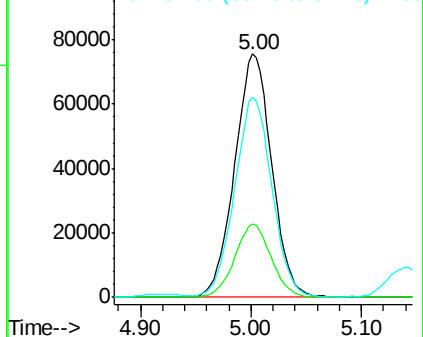
#29
Cyclohexane
Concen: 47.03 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

Tgt Ion: 56 Resp: 175932

Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.9	35.9
84	82.9	66.0	99.0



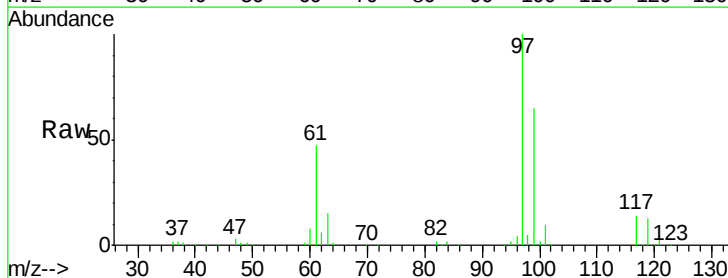
Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



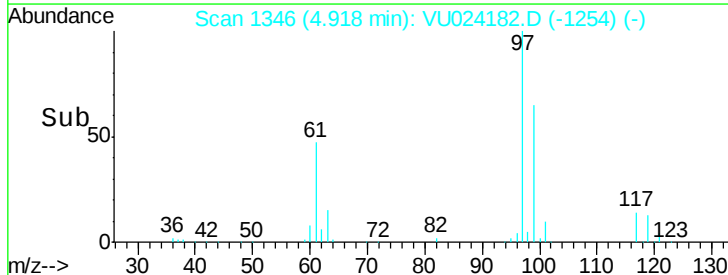
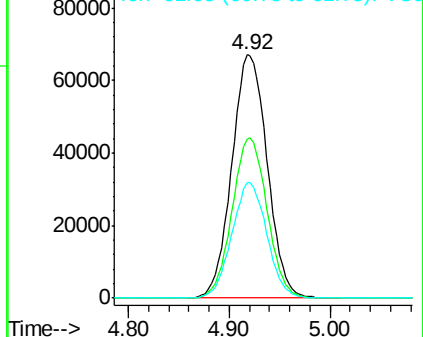
#30
1,1,1-Trichloroethane
Concen: 48.42 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

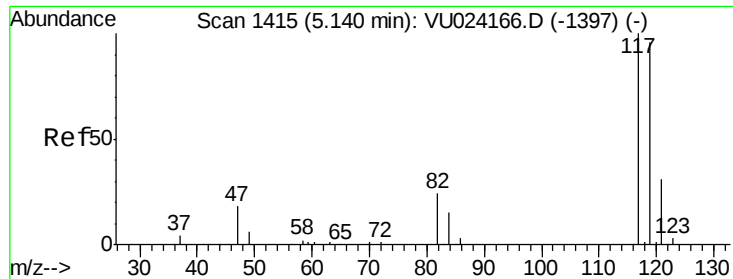
Tgt Ion: 97 Resp: 163894

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	46.7	39.0	58.6



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: 47.62 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU024182.D

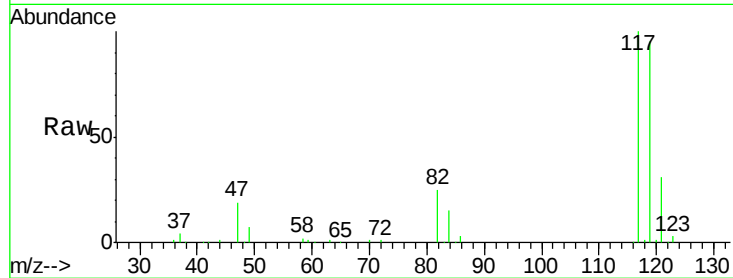
Acq: 27 May 2018 11:50

Tgt Ion: 117 Resp: 141165

Ion Ratio Lower Upper

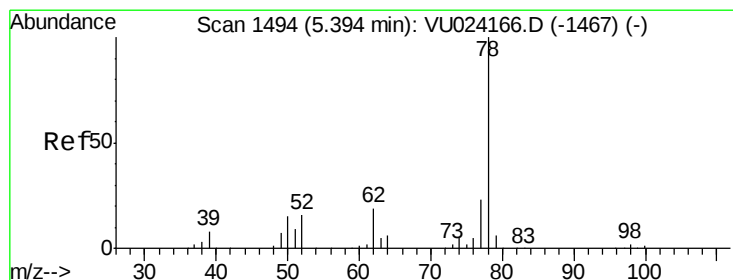
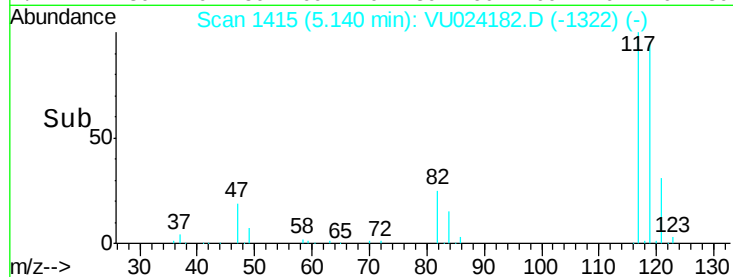
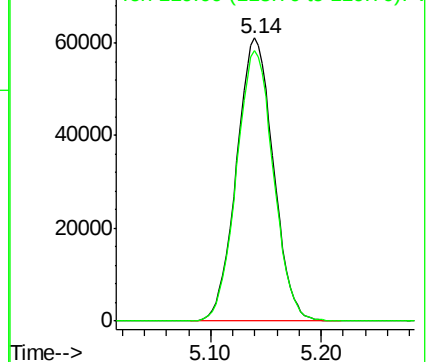
117 100

119 95.7 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: 50.47 ug/L

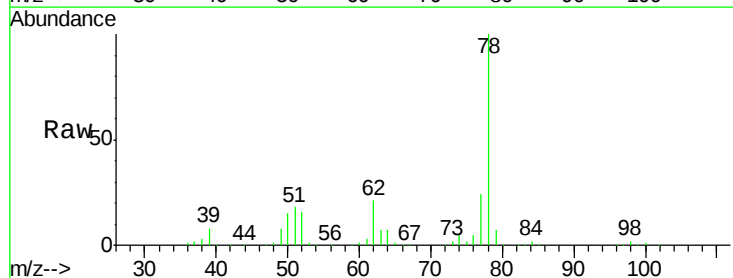
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

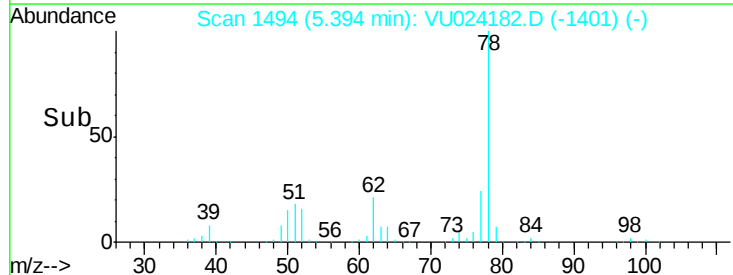
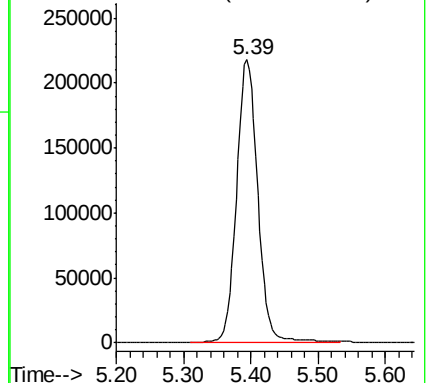
Lab File: VU024182.D

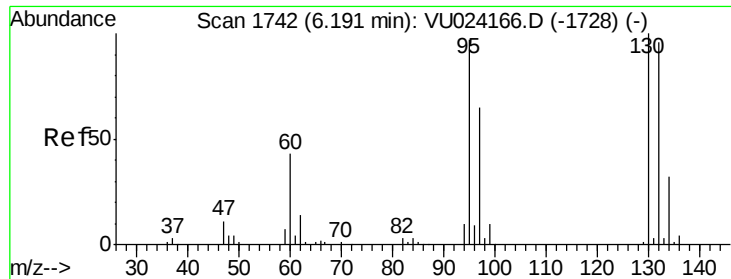
Acq: 27 May 2018 11:50

Tgt Ion: 78 Resp: 478689



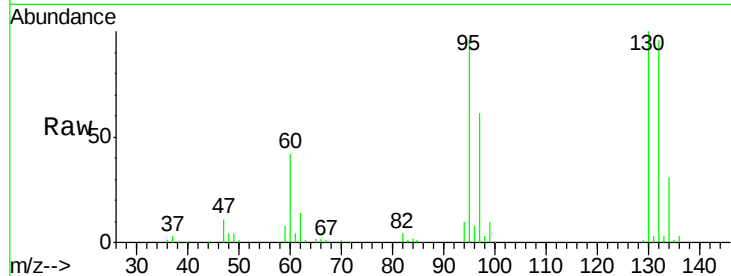
Abundance Ion 78.00 (77.70 to 78.70): VU0



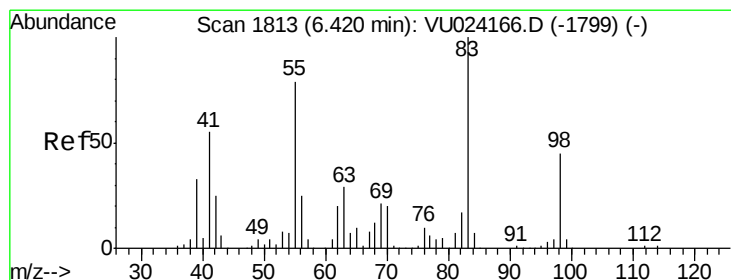
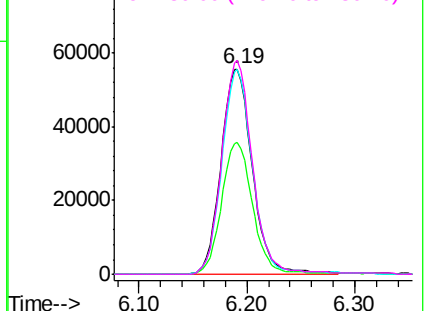
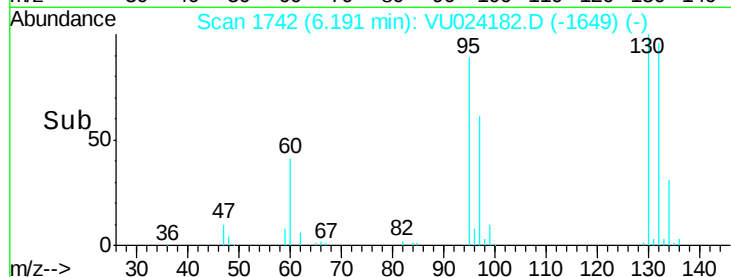


#34
 Trichloroethene
 Concen: 42.32 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU024182.D
 Acq: 27 May 2018 11:50

Tgt Ion:	95	Resp:	112769
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.5	82.7
132	99.9	69.0	128.2
130	104.3	70.6	131.0

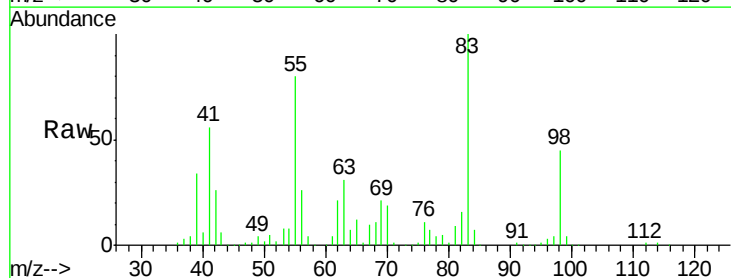


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

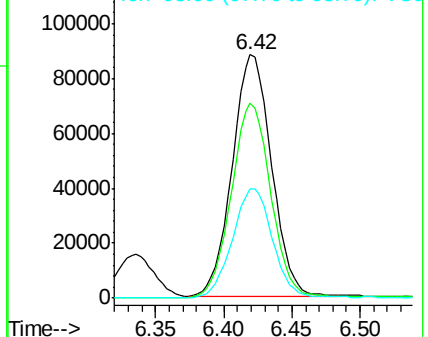
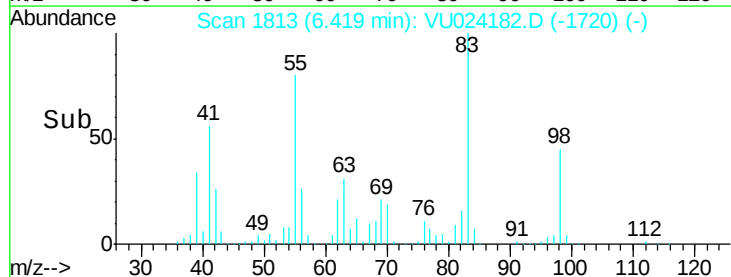


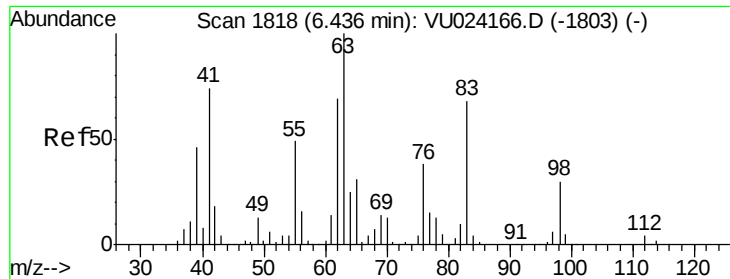
#35
 Methylcyclohexane
 Concen: 47.90 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU024182.D
 Acq: 27 May 2018 11:50

Tgt Ion:	83	Resp:	176623
Ion	Ratio	Lower	Upper
83	100		
55	81.4	64.1	96.1
98	46.0	35.8	53.8



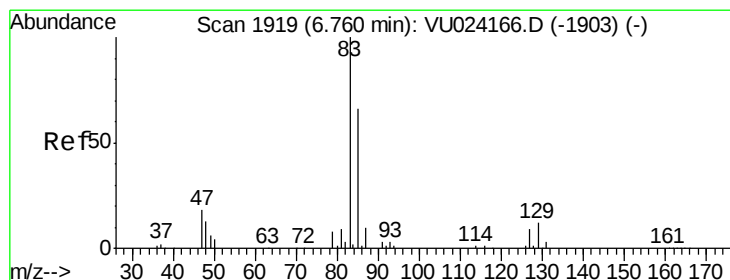
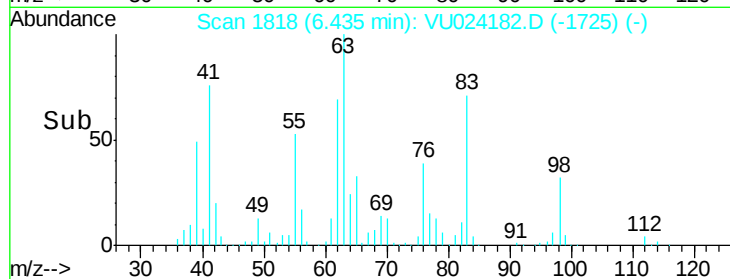
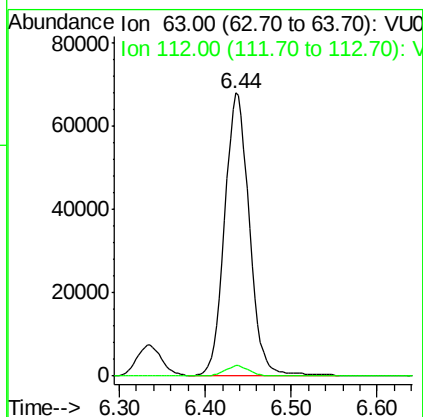
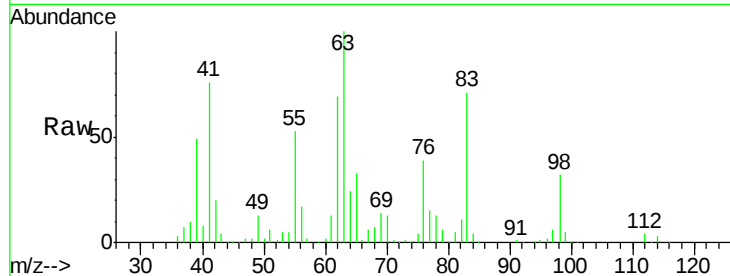
Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





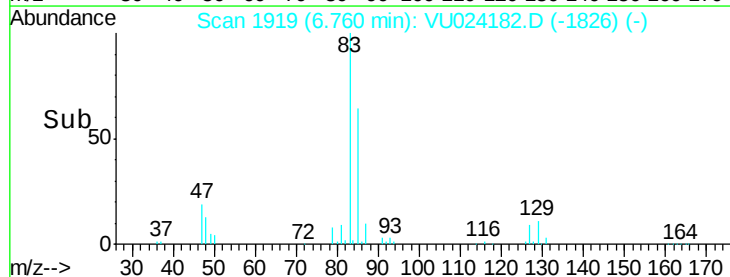
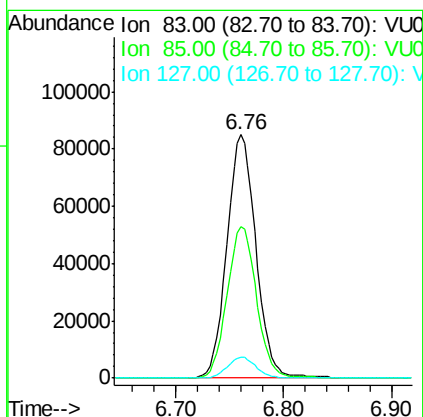
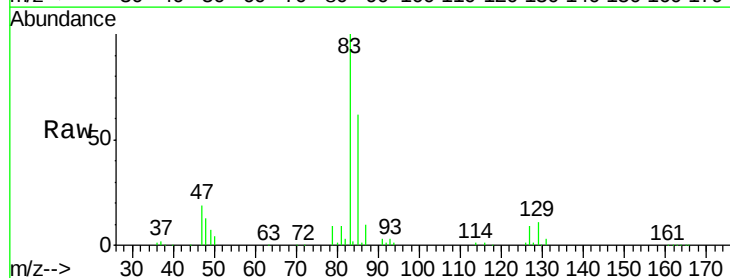
#37
 1,2-Dichloropropane
 Concen: 50.92 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024182.D
 Acq: 27 May 2018 11:50

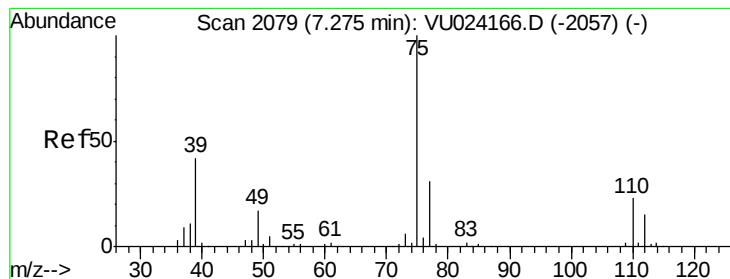
Tgt Ion: 63 Resp: 135453
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.9 4.3



#38
 Bromodichloromethane
 Concen: 51.05 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU024182.D
 Acq: 27 May 2018 11:50

Tgt Ion: 83 Resp: 159588
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.6 82.8
 127 8.6 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 52.19 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024182.D

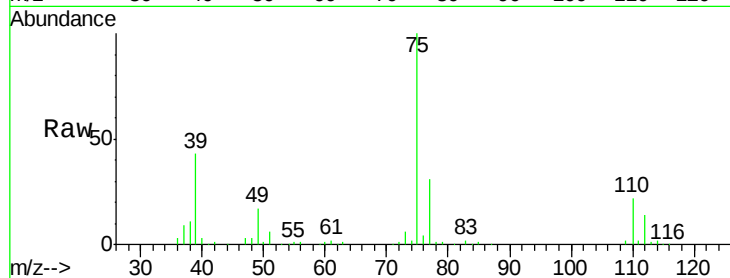
Acq: 27 May 2018 11:50

Tgt Ion: 75 Resp: 183310

Ion Ratio Lower Upper

75 100

77 31.5 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

100000

80000

60000

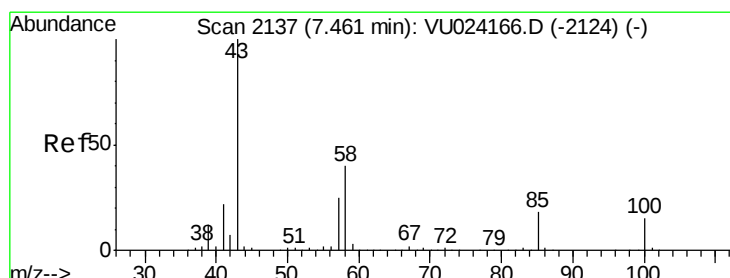
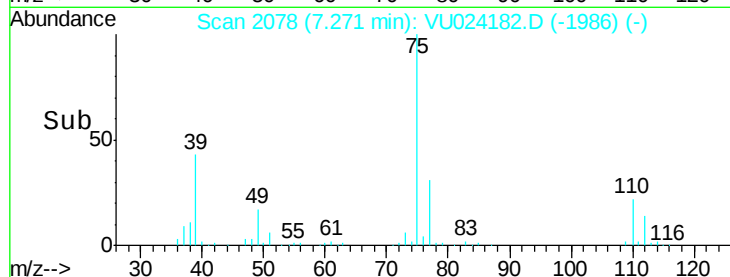
40000

20000

0

Time-->

7.20 7.30 7.40



#40

4-Methyl-2-pentanone

Concen: 95.47 ug/L

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU024182.D

Acq: 27 May 2018 11:50

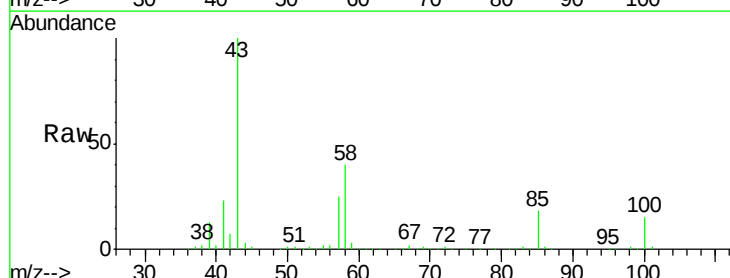
Tgt Ion: 43 Resp: 344323

Ion Ratio Lower Upper

43 100

58 39.9 31.6 47.4

100 14.6 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

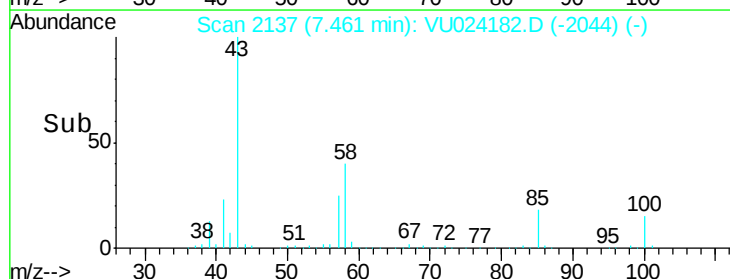
100000

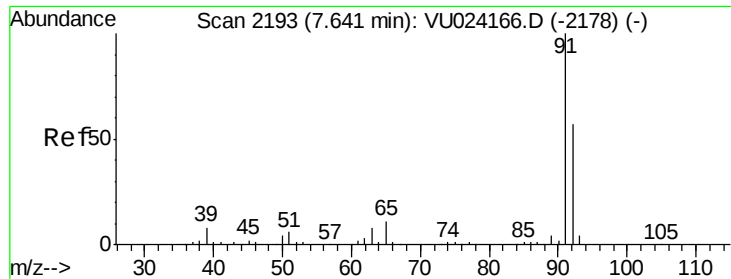
50000

0

Time-->

7.40 7.45 7.50 7.55





#42

Toluene

Concen: 51.51 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024182.D

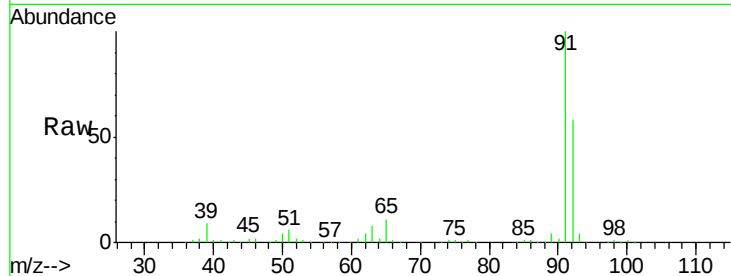
Acq: 27 May 2018 11:50

Tgt Ion: 91 Resp: 496024

Ion Ratio Lower Upper

91 100

92 57.7 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

250000

200000

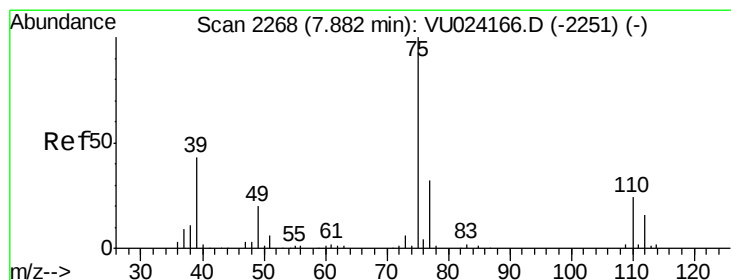
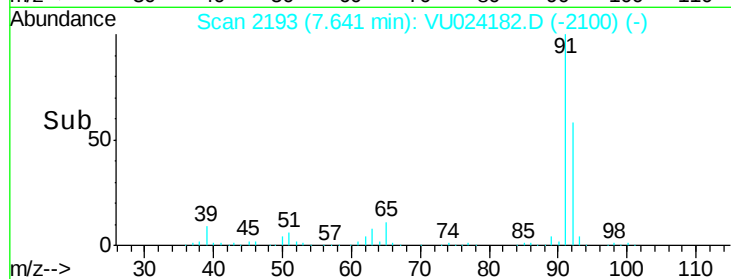
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#44

trans-1,3-Dichloropropene

Concen: 52.46 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024182.D

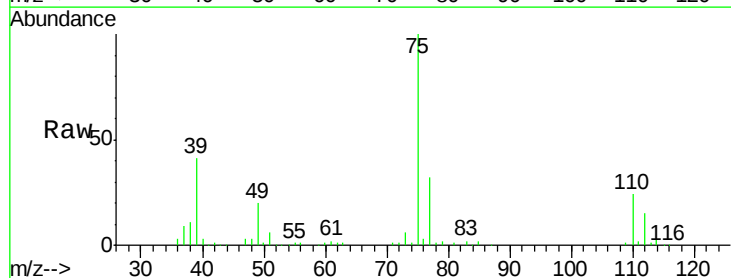
Acq: 27 May 2018 11:50

Tgt Ion: 75 Resp: 164086

Ion Ratio Lower Upper

75 100

77 31.9 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

100000

80000

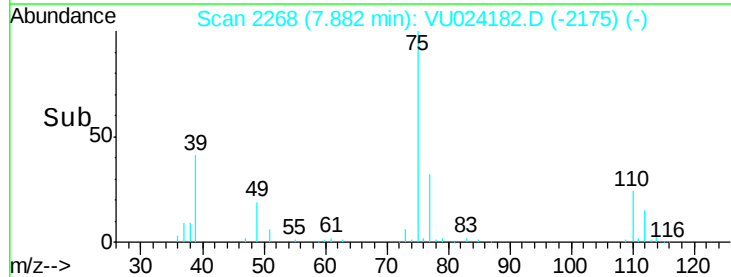
60000

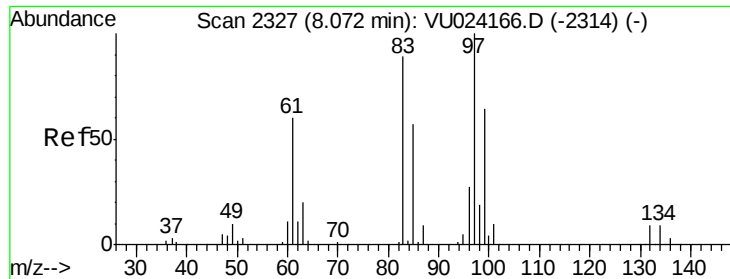
40000

20000

0

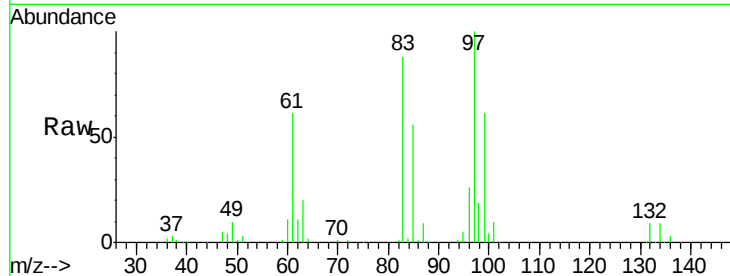
Time--> 7.80 7.90 8.00





#45
 1,1,2-Trichloroethane
 Concen: 52.42 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. -0.00 min
 Lab File: VU024182.D
 Acq: 27 May 2018 11:50

Tgt Ion:	97	Resp:	123969
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.5	80.9
83	87.7	61.9	114.9
85	55.7	40.7	75.7

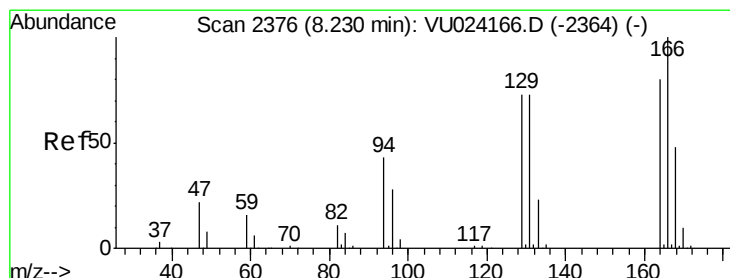
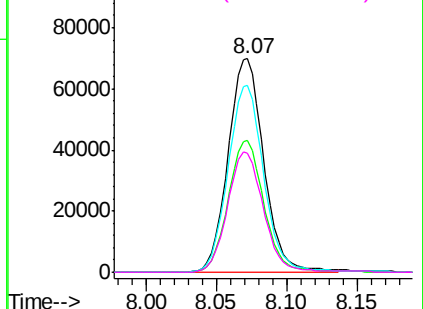
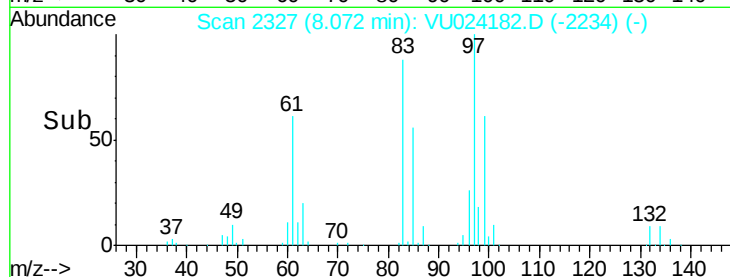


Abundance Ion 97.00 (96.70 to 97.70): VU024182.D (-2234) (-)

Ion 99.00 (98.70 to 99.70): VU024182.D (-2234) (-)

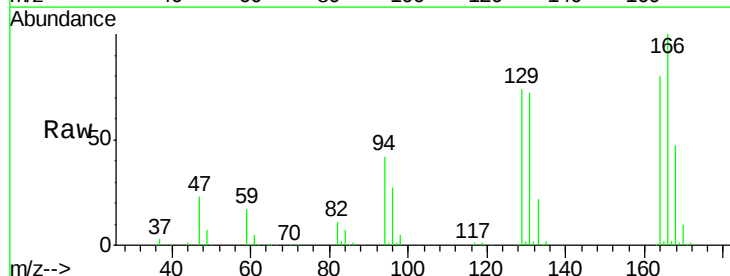
Ion 83.00 (82.70 to 83.70): VU024182.D (-2234) (-)

Ion 85.00 (84.70 to 85.70): VU024182.D (-2234) (-)



#46
 Tetrachloroethene
 Concen: 49.48 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU024182.D
 Acq: 27 May 2018 11:50

Tgt Ion:	164	Resp:	92230
Ion	Ratio	Lower	Upper
164	100		
129	92.8	66.6	123.6
131	90.5	64.5	119.9
166	125.6	89.3	165.9

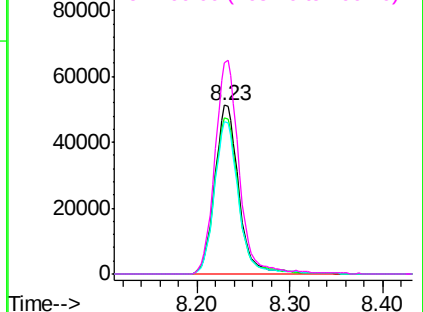
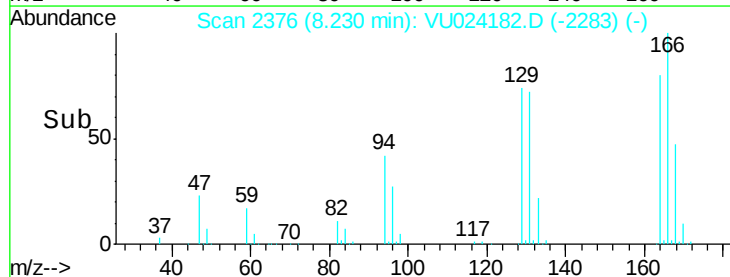


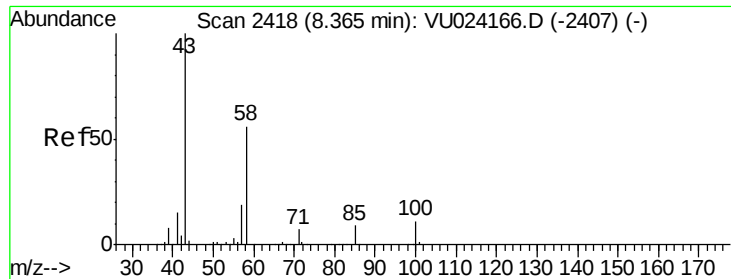
Abundance Ion 164.00 (163.70 to 164.70): VU024182.D (-2283) (-)

Ion 129.00 (128.70 to 129.70): VU024182.D (-2283) (-)

Ion 131.00 (130.70 to 131.70): VU024182.D (-2283) (-)

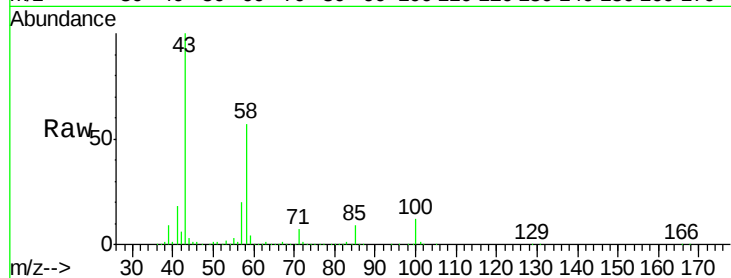
Ion 166.00 (165.70 to 166.70): VU024182.D (-2283) (-)



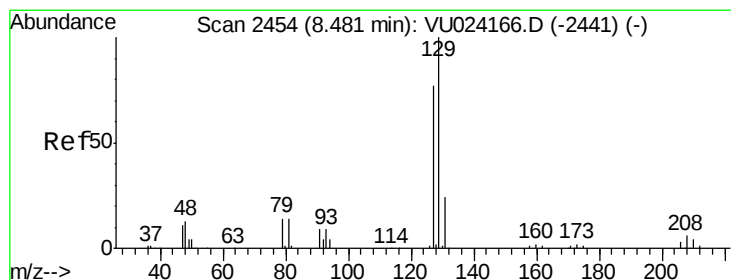
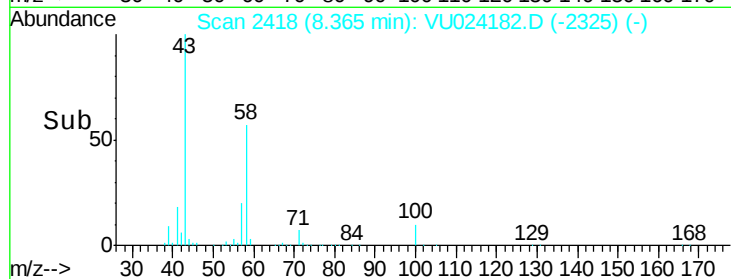
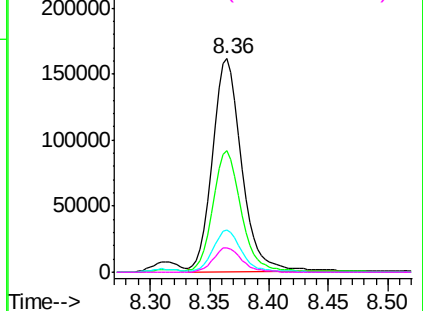


#48
2-Hexanone
Concen: 95.65 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

Tgt Ion:	43	Resp:	272178
Ion	Ratio	Lower	Upper
43	100		
58	55.3	44.6	67.0
57	19.1	15.3	22.9
100	11.5	8.9	13.3

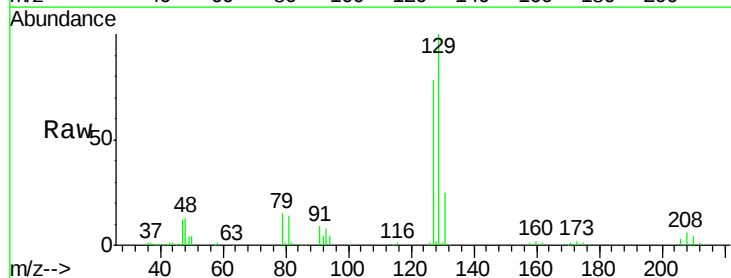


Abundance Ion 43.00 (42.70 to 43.70): VU024182.D (-2325) (-)
Ion 58.00 (57.70 to 58.70): VU024182.D (-2325) (-)
Ion 57.00 (56.70 to 57.70): VU024182.D (-2325) (-)
Ion 100.00 (99.70 to 100.70): VU024182.D (-2325) (-)

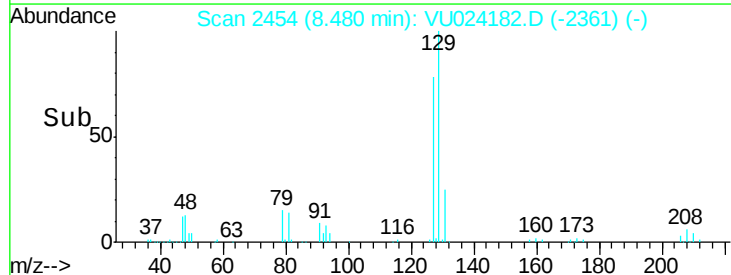
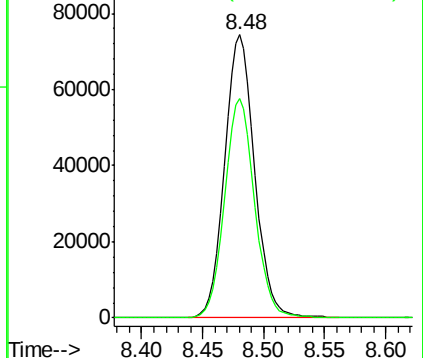


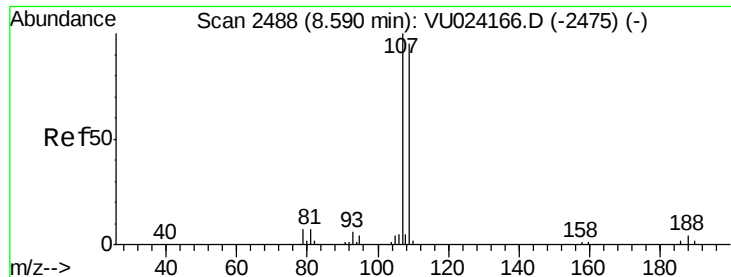
#49
Dibromochloromethane
Concen: 51.55 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

Tgt Ion:	129	Resp:	128244
Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.2	100.6



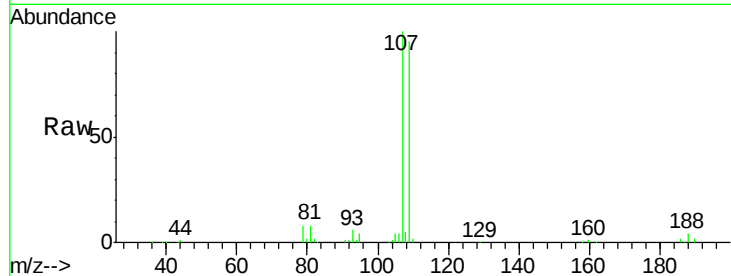
Abundance Ion 129.00 (128.70 to 129.70): VU024182.D (-2361) (-)
Ion 127.00 (126.70 to 127.70): VU024182.D (-2361) (-)



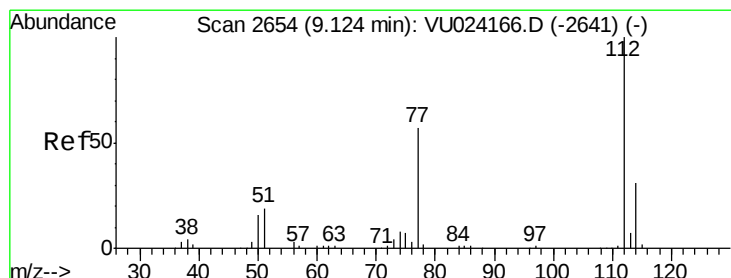
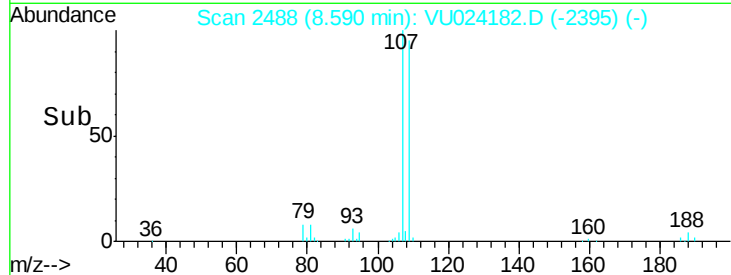
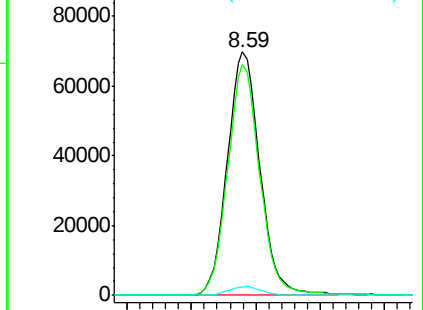


#50
1,2-Dibromoethane
Concen: 51.50 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.7	65.6	121.8
188	3.5	2.9	4.3

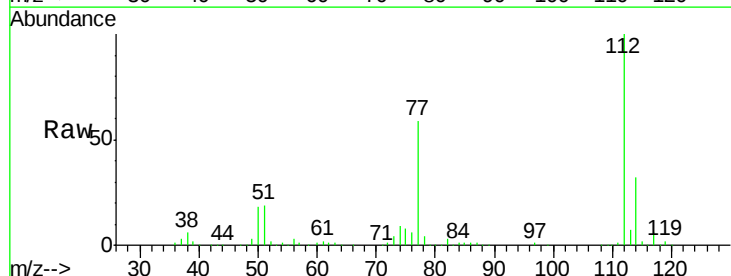


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

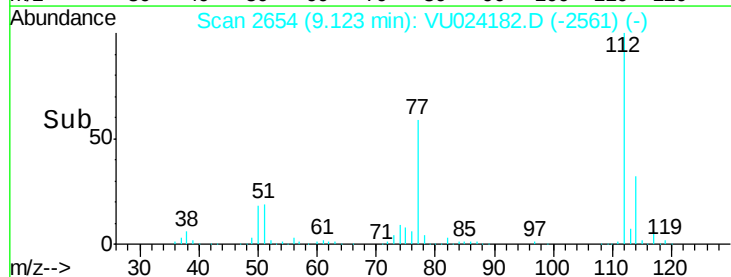
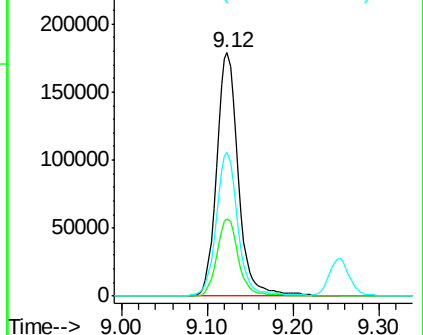


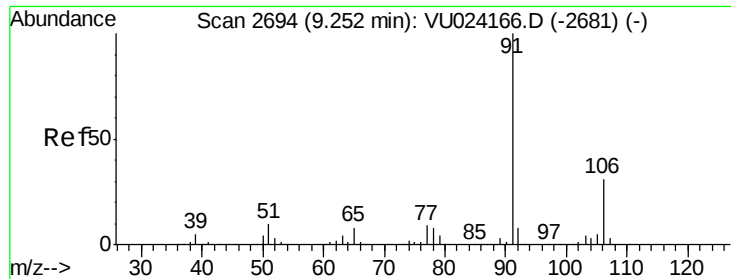
#51
Chlorobenzene
Concen: 50.20 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.9
77	59.0	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: 50.27 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU024182.D

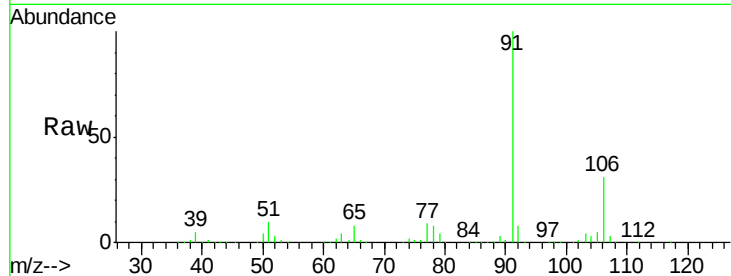
Acq: 27 May 2018 11:50

Tgt Ion: 91 Resp: 511751

Ion Ratio Lower Upper

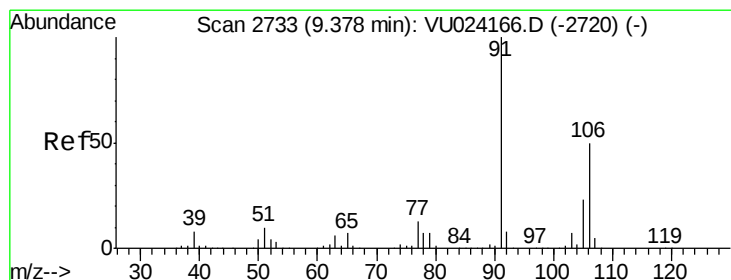
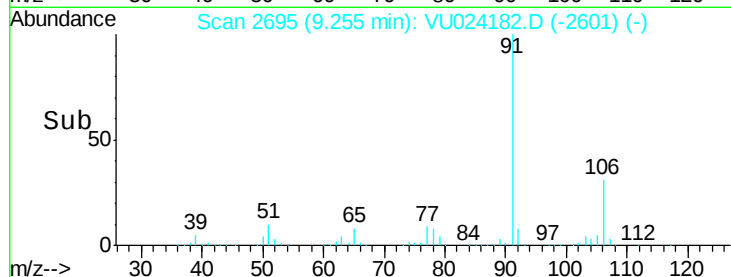
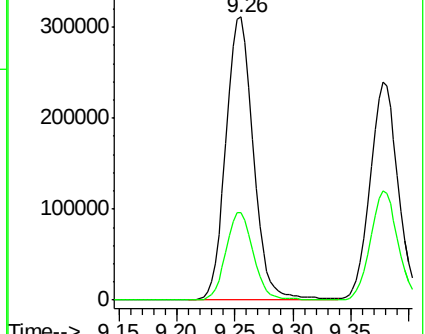
91 100

106 31.0 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 52.16 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024182.D

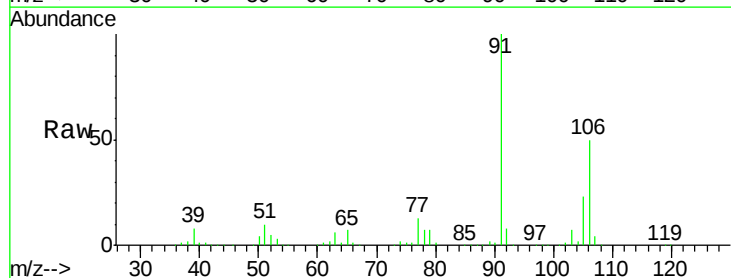
Acq: 27 May 2018 11:50

Tgt Ion: 106 Resp: 201143

Ion Ratio Lower Upper

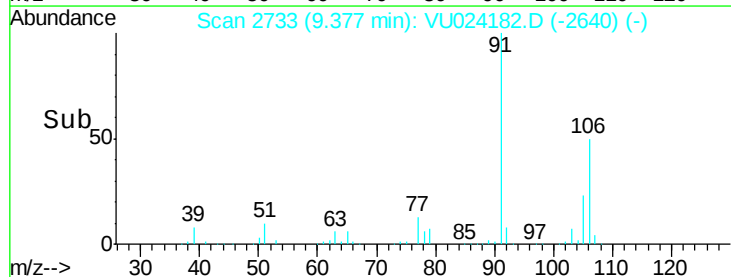
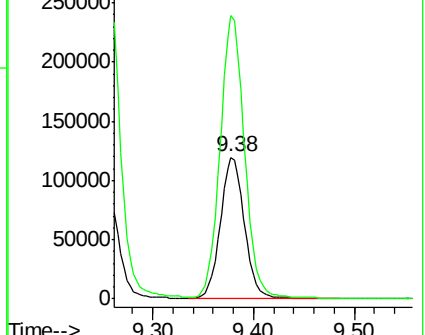
106 100

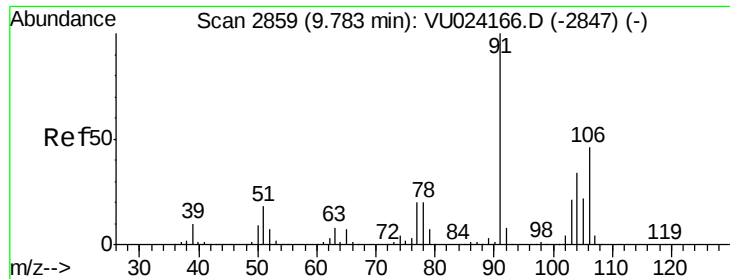
91 199.8 141.9 263.5



Abundance Ion 106.00 (105.70 to 106.70): V

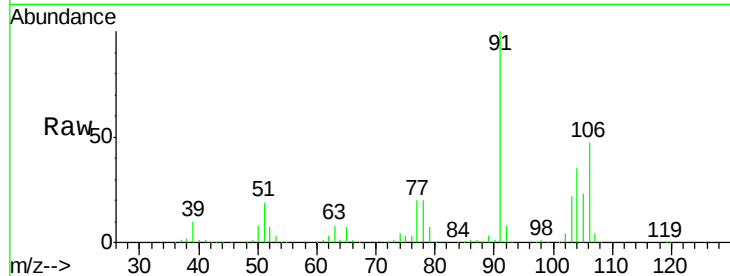
Ion 91.00 (90.70 to 91.70): VU0



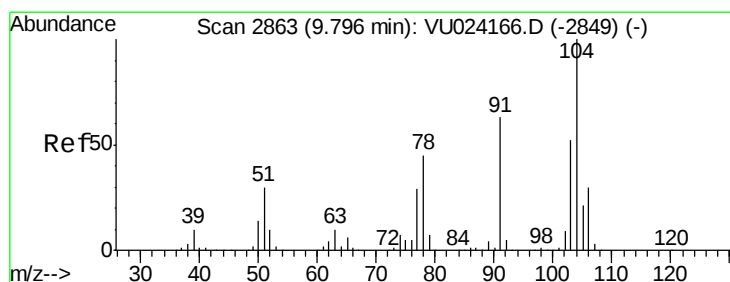
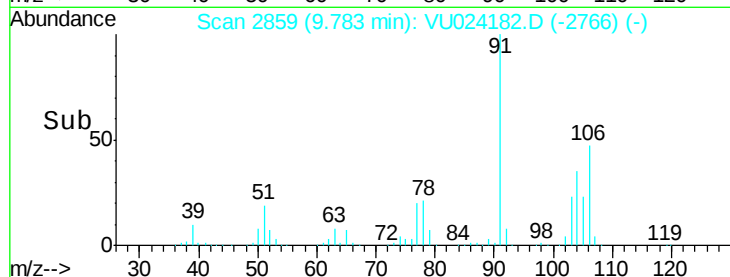
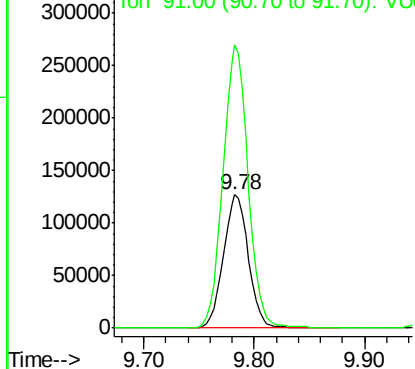


#54
o-xylene
Concen: 51.71 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

Tgt Ion:106 Resp: 199722
Ion Ratio Lower Upper
106 100
91 212.2 150.4 279.2

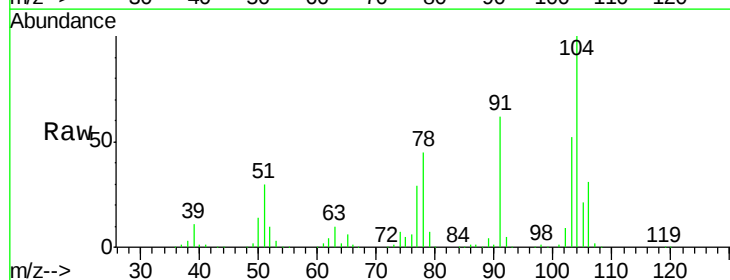


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

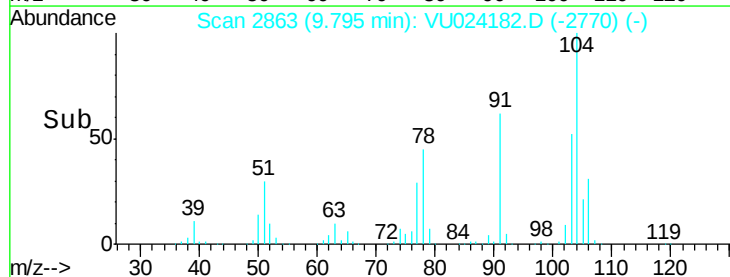
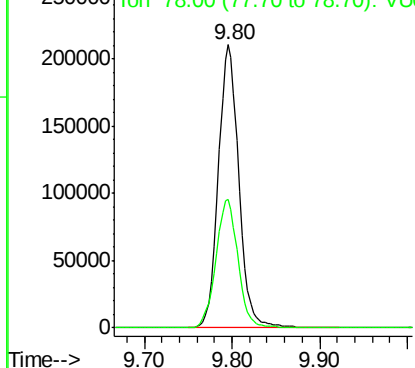


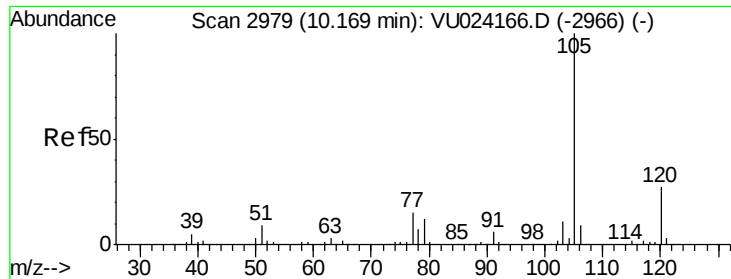
#55
Styrene
Concen: 53.51 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

Tgt Ion:104 Resp: 341576
Ion Ratio Lower Upper
104 100
78 45.4 32.6 60.5



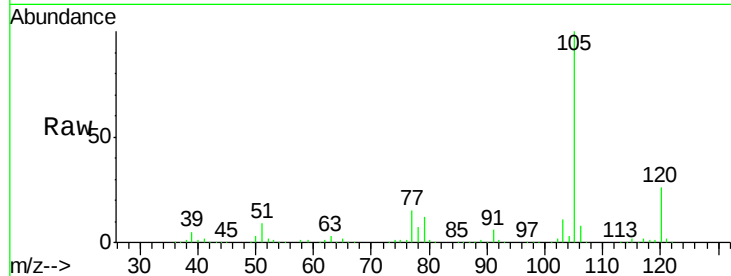
Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0



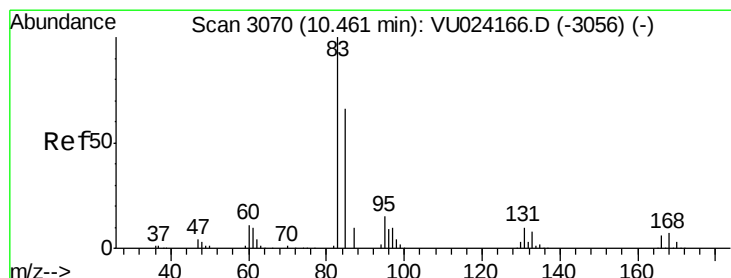
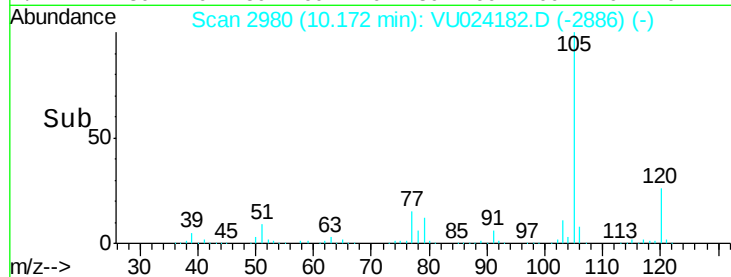
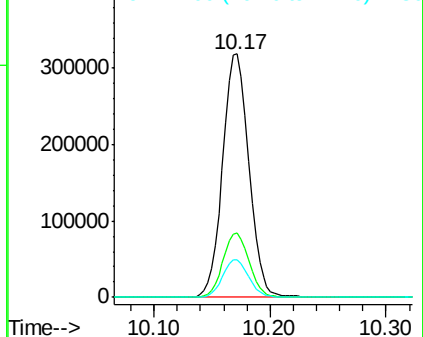


#56
Isopropylbenzene
Concen: 50.96 ug/L
RT: 10.17 min Scan# 2980
Delta R.T. 0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

Tgt Ion:	105	Resp:	498199
Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.4	32.0
77	15.4	12.5	18.7

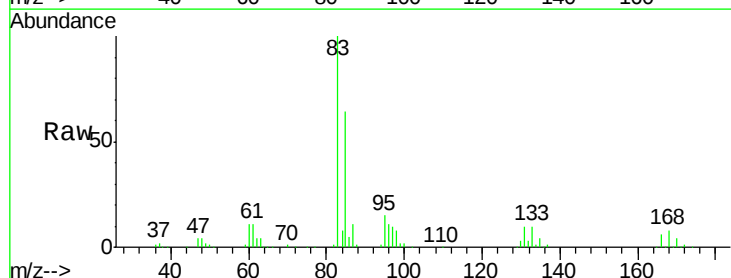


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V

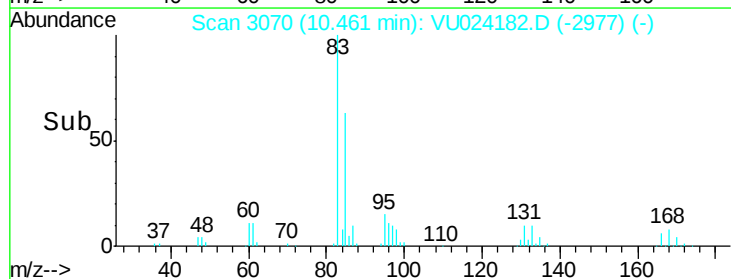
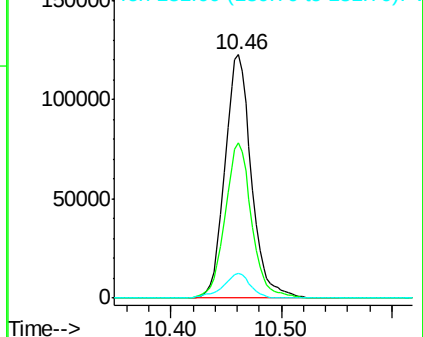


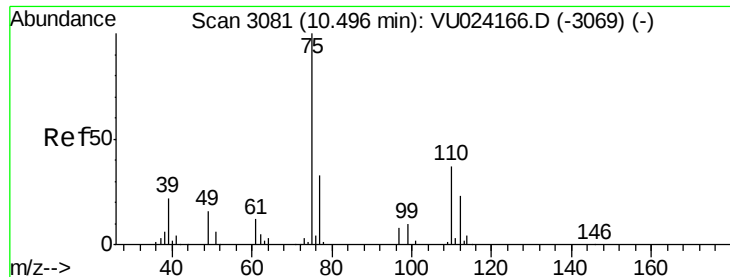
#58
1,1,2,2-Tetrachloroethane
Concen: 49.01 ug/L
RT: 10.46 min Scan# 3070
Delta R.T. -0.00 min
Lab File: VU024182.D
Acq: 27 May 2018 11:50

Tgt Ion:	83	Resp:	203869
Ion	Ratio	Lower	Upper
83	100		
85	63.7	45.3	84.1
131	10.0	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: 48.50 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024182.D

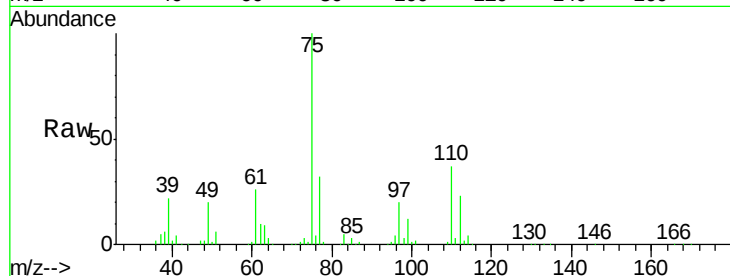
Acq: 27 May 2018 11:50

Tgt Ion: 75 Resp: 161475

Ion Ratio Lower Upper

75 100

77 32.5 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU024182.D (-2459) (-)

Ion 77.00 (76.70 to 77.70): VU024182.D (-2459) (-)

100000

80000

60000

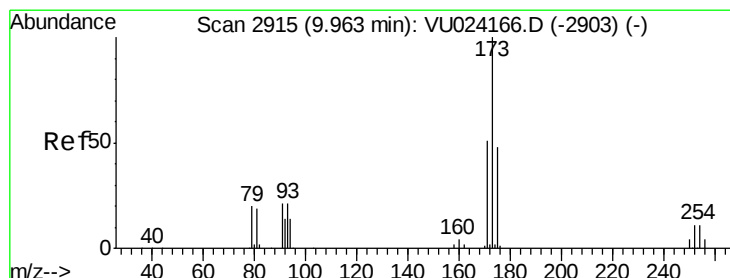
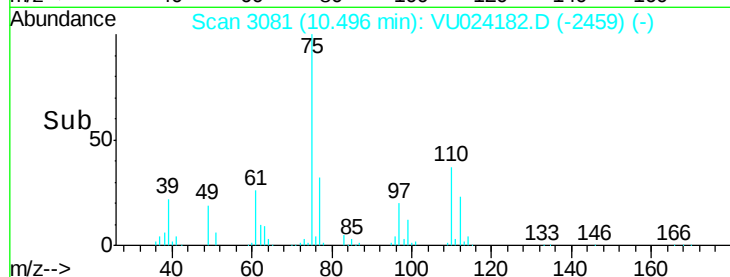
40000

20000

0

10.45 10.50 10.55 10.60

Time-->



#61

Bromoform

Concen: 48.65 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VU024182.D

Acq: 27 May 2018 11:50

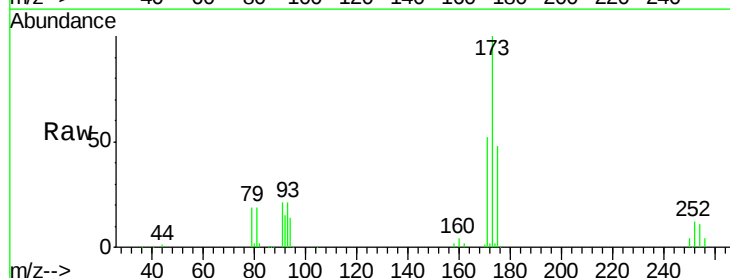
Tgt Ion: 173 Resp: 91227

Ion Ratio Lower Upper

173 100

175 48.2 38.5 57.7

254 10.7 8.7 13.1



Abundance Ion 173.00 (172.70 to 173.70): VU024182.D (-2822) (-)

Ion 175.00 (174.70 to 175.70): VU024182.D (-2822) (-)

Ion 254.00 (253.70 to 254.70): VU024182.D (-2822) (-)

60000

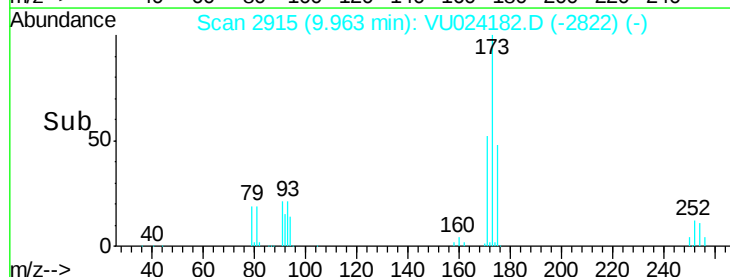
40000

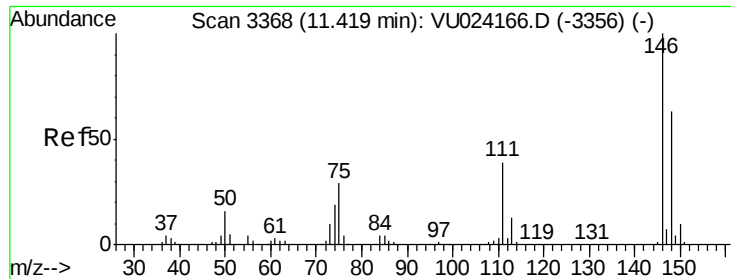
20000

0

9.90 9.96 10.00

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.82 ug/L

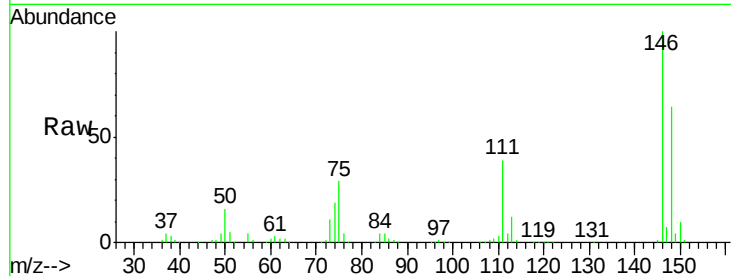
RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

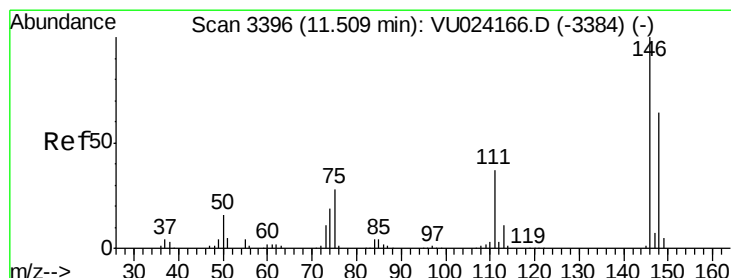
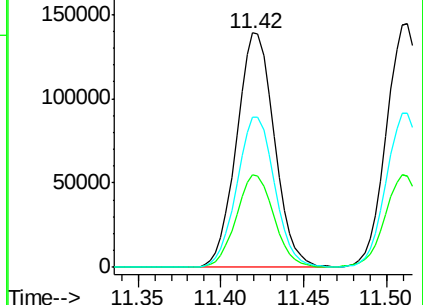
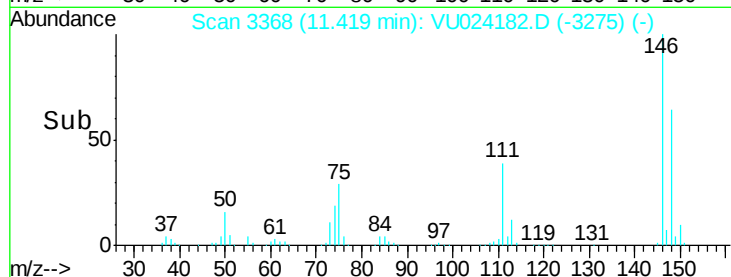
Lab File: VU024182.D

Acq: 27 May 2018 11:50

Tgt Ion:	146	Resp:	221292
Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.6	51.4
148	64.0	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: 50.03 ug/L

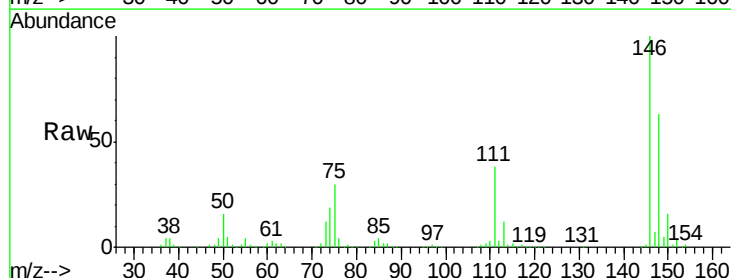
RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

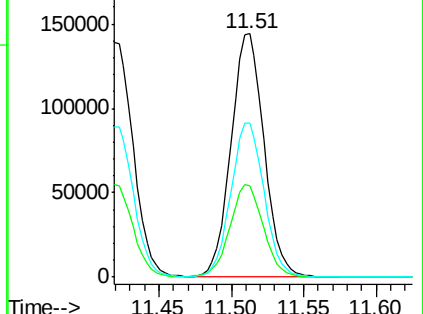
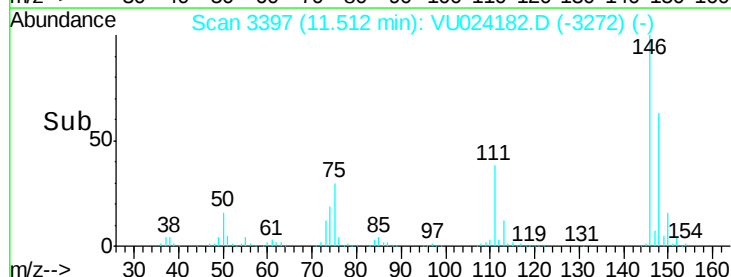
Lab File: VU024182.D

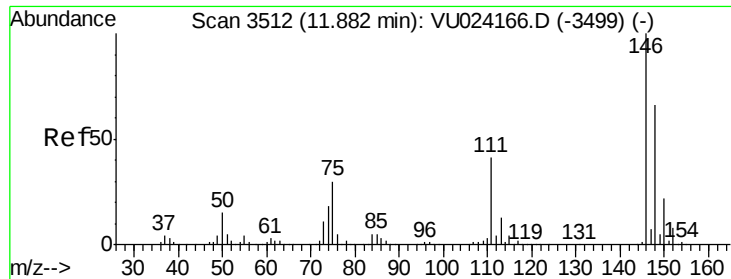
Acq: 27 May 2018 11:50

Tgt Ion:	146	Resp:	227407
Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.9	49.9
148	63.1	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: 50.92 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024182.D

Acq: 27 May 2018 11:50

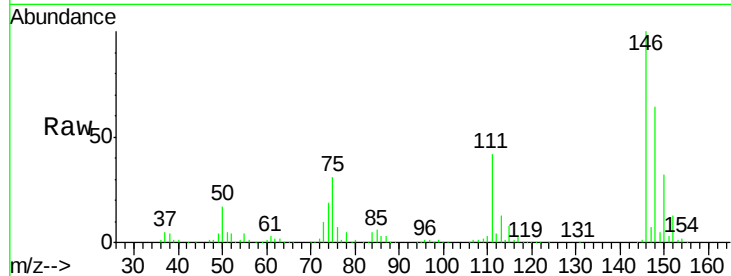
Tgt Ion: 146 Resp: 249879

Ion Ratio Lower Upper

146 100

111 42.4 33.0 49.6

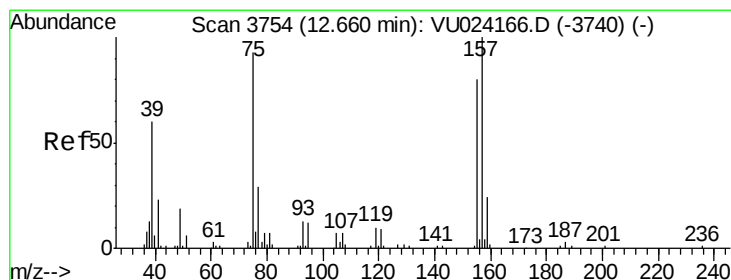
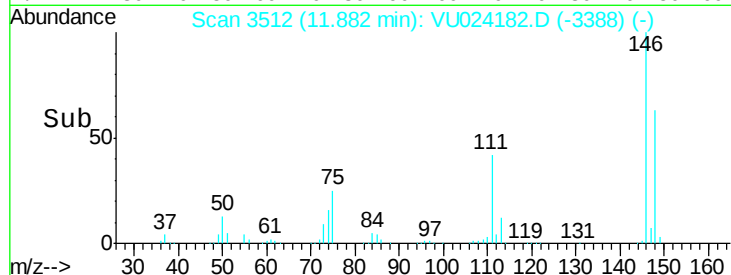
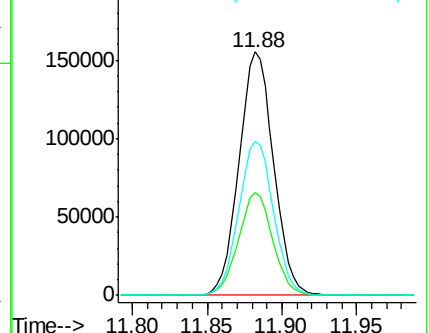
148 63.5 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 45.76 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU024182.D

Acq: 27 May 2018 11:50

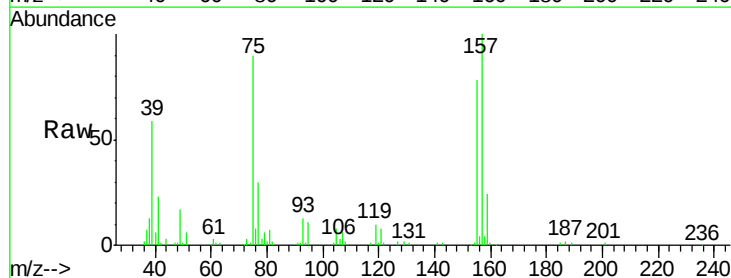
Tgt Ion: 75 Resp: 39933

Ion Ratio Lower Upper

75 100

155 86.3 66.8 100.2

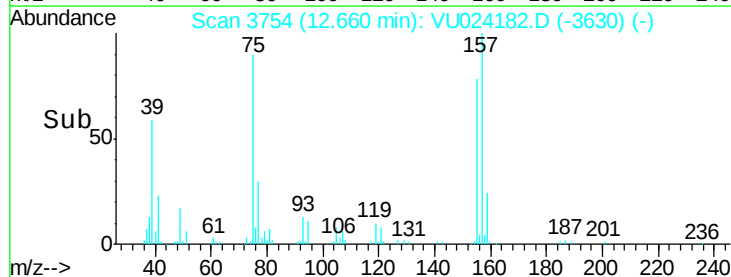
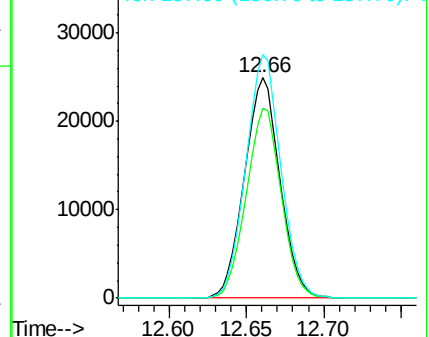
157 110.7 84.8 127.2

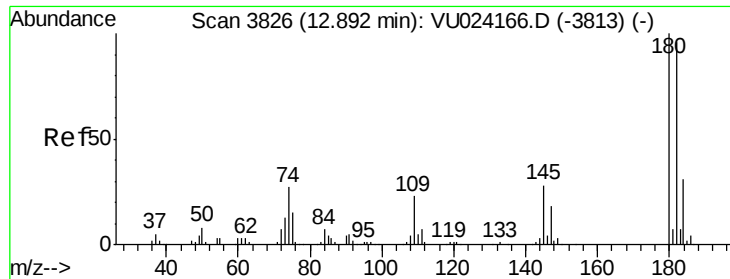


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

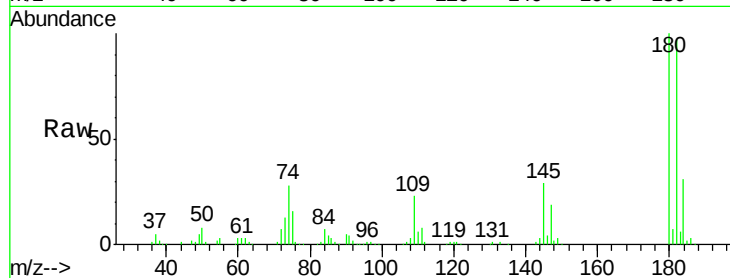
Ion 157.00 (156.70 to 157.70): V



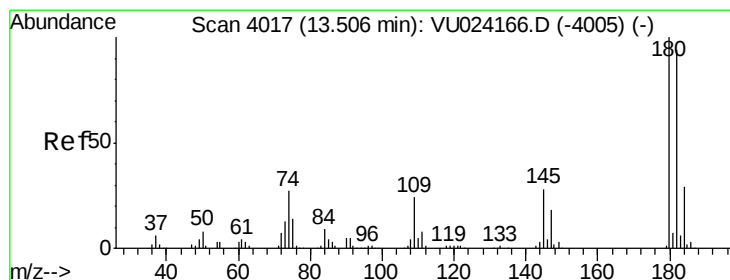
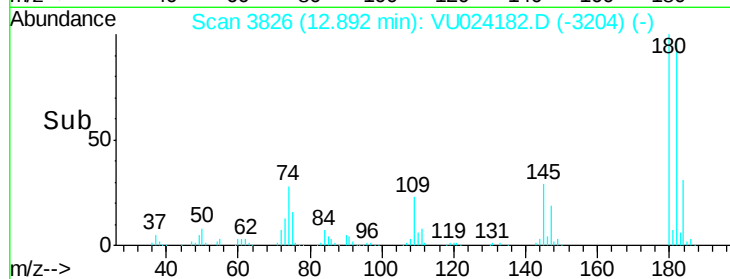
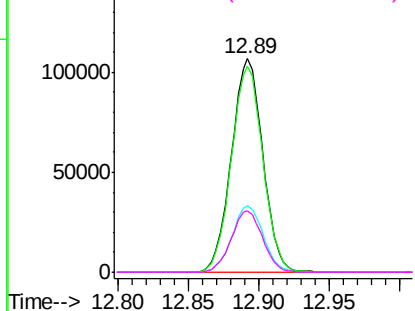


#67
 1,3,5-Trichlorobenzene
 Concen: 50.86 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU024182.D
 Acq: 27 May 2018 11:50

Tgt Ion:	180	Resp:	166766
Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.8	113.6
184	31.1	24.6	36.8
145	28.8	23.4	35.0

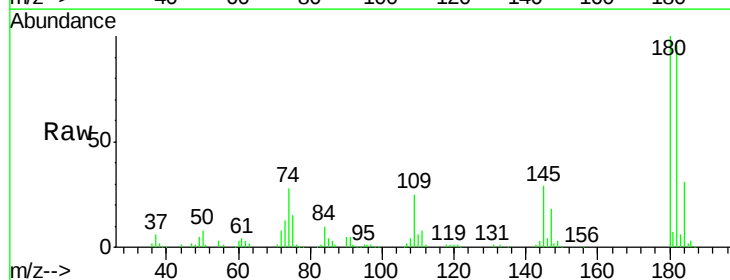


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

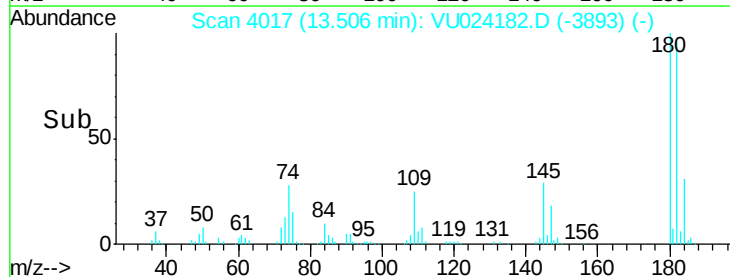
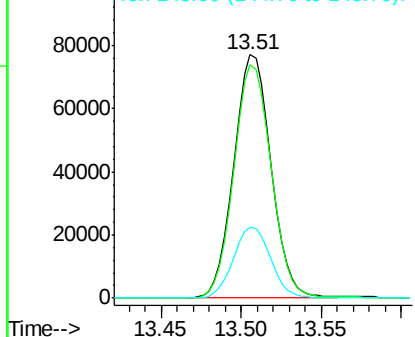


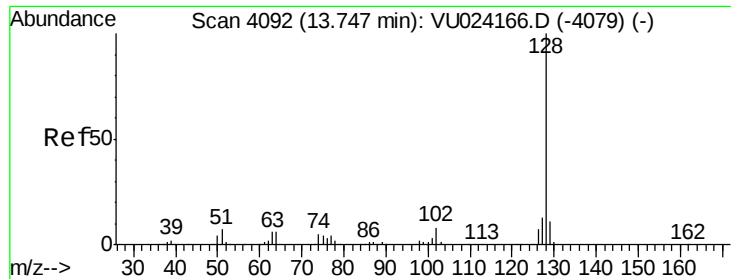
#68
 1,2,4-trichlorobenzene
 Concen: 51.56 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024182.D
 Acq: 27 May 2018 11:50

Tgt Ion:	180	Resp:	122046
Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.8	115.2
145	29.4	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

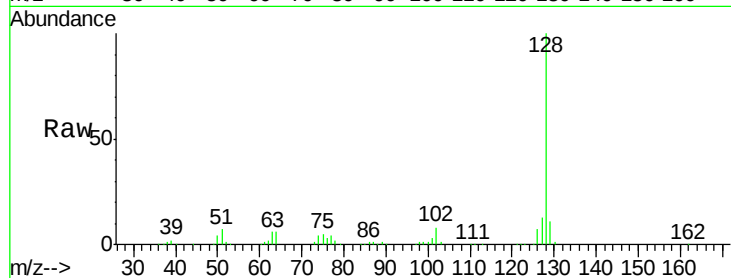
Delta R.T. -0.00 min

Lab File: VU024182.D

Acq: 27 May 2018 11:50

Tgt Ion:128 Resp: 351675

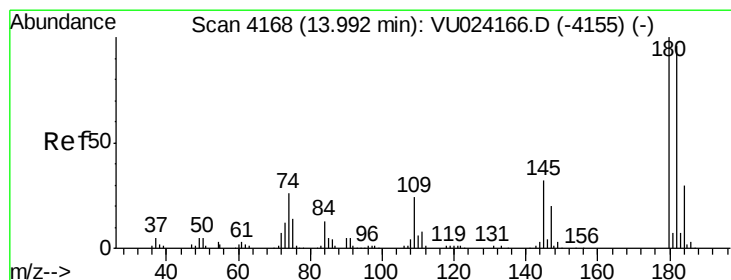
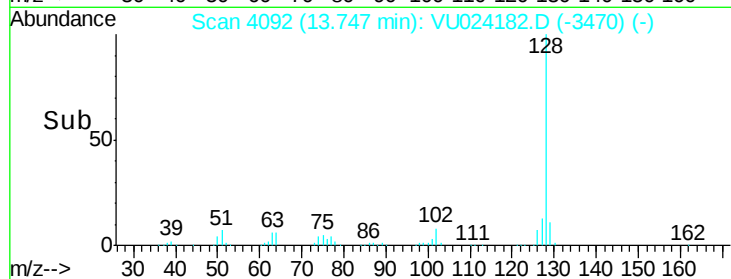
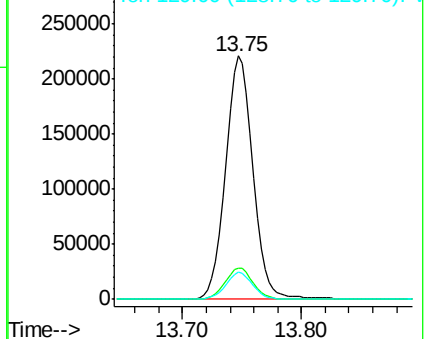
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.7	13.1



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: 53.17 ug/L

RT: 13.99 min Scan# 4168

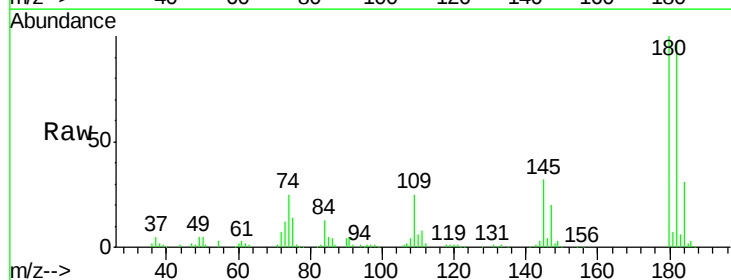
Delta R.T. -0.00 min

Lab File: VU024182.D

Acq: 27 May 2018 11:50

Tgt Ion:180 Resp: 141628

Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.6
145	31.0	24.5	36.7



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

