

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050618\
 Data File : VU023703.D
 Acq On : 06 May 2018 21:12
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 07 00:54:26 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 07 00:51:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	389996	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	368206	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	191283	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	117504	42.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.02%
7) Chloroethane-d5	1.68	69	93627	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.88%
11) 1,1-Dichloroethene-d2	2.27	63	240294	44.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.18%
21) 2-Butanone-d5	4.18	46	208957	109.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.42%
24) Chloroform-d	4.65	84	225705	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
26) 1,2-Dichloroethane-d4	5.31	65	143721	45.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.42%
32) Benzene-d6	5.35	84	464663	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.08%
36) 1,2-Dichloropropane-d6	6.34	67	155290	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.86%
41) Toluene-d8	7.57	98	435385	47.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.85	79	67085	47.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.18%
47) 2-Hexanone-d5	8.31	63	151616	120.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.66%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	212888	49.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	178797	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	173036	41.09	ug/L	99
3) Chloromethane	1.33	50	175650	38.89	ug/L	100
5) Vinyl chloride	1.40	62	179311	41.92	ug/L	98
6) Bromomethane	1.63	94	78670	34.31	ug/L	98
8) Chloroethane	1.70	64	106457	41.17	ug/L	99
9) Trichlorofluoromethane	1.89	101	203855	42.35	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	134312	44.25	ug/L	98
12) 1,1-Dichloroethene	2.28	96	128119	45.01	ug/L	97
13) Acetone	2.32	43	164557	57.99	ug/L	99
14) Carbon disulfide	2.48	76	396658	40.43	ug/L	99
15) Methyl Acetate	2.62	43	182818	48.64	ug/L	98
16) Methylene chloride	2.70	84	153355	43.17	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	139750	44.88	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	448425	48.71	ug/L	99
19) 1,1-Dichloroethane	3.45	63	274410	44.40	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	157935	45.69	ug/L	99
22) 2-Butanone	4.27	43	254432	80.63	ug/L	96

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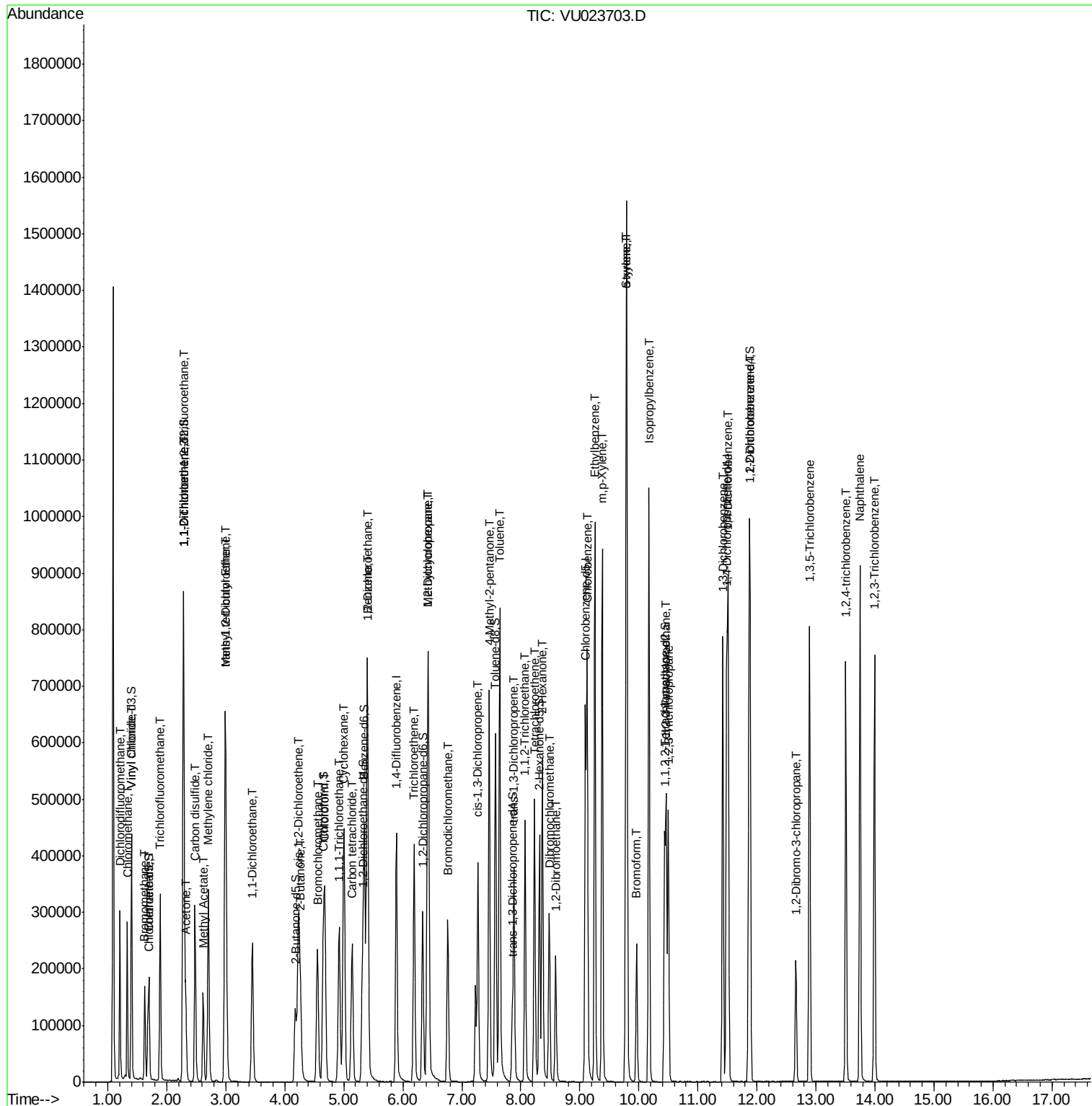
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

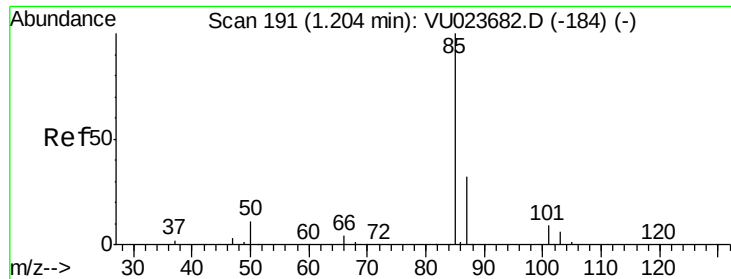
23) Bromochloromethane	4.55	128	79458	45.80	ug/L	97
25) Chloroform	4.68	83	265422	41.87	ug/L	98
27) 1,2-Dichloroethane	5.41	62	206776	44.00	ug/L	98
29) Cyclohexane	5.00	56	252635	46.42	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	212347	45.53	ug/L	99
31) Carbon tetrachloride	5.14	117	181312	44.74	ug/L	100
33) Benzene	5.39	78	600861	46.31	ug/L	100
34) Trichloroethene	6.19	95	152485	45.87	ug/L	99
35) Methylcyclohexane	6.42	83	234010	45.00	ug/L	98
37) 1,2-Dichloropropane	6.44	63	169658	45.62	ug/L	100
38) Bromodichloromethane	6.76	83	193431	46.10	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	238959	46.63	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	479751	105.67	ug/L	98
42) Toluene	7.64	91	638824	47.50	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	215006	47.02	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	147150	46.57	ug/L	100
46) Tetrachloroethene	8.23	164	122403	45.17	ug/L	99
48) 2-Hexanone	8.36	43	375584	94.98	ug/L	99
49) Dibromochloromethane	8.48	129	154808	46.52	ug/L	100
50) 1,2-Dibromoethane	8.59	107	154833	48.52	ug/L	99
51) Chlorobenzene	9.12	112	412358	46.02	ug/L	100
52) Ethylbenzene	9.25	91	701011	48.09	ug/L	100
53) m,p-Xylene	9.38	106	269376	48.45	ug/L	95
54) o-xylene	9.78	106	262824	49.89	ug/L	100
55) Styrene	9.80	104	455472	49.42	ug/L	99
56) Isopropylbenzene	10.17	105	686180	49.63	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	251609	48.50	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	205293	50.00	ug/L	98
61) Bromoform	9.96	173	115001	47.83	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	327721	47.51	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	338646	47.02	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	335175	47.50	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	52787	51.52	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	263020	45.52	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	235405	47.97	ug/L	99
69) Naphthalene	13.75	128	711482	55.25	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	244099	48.82	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 41.09 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU023703.D

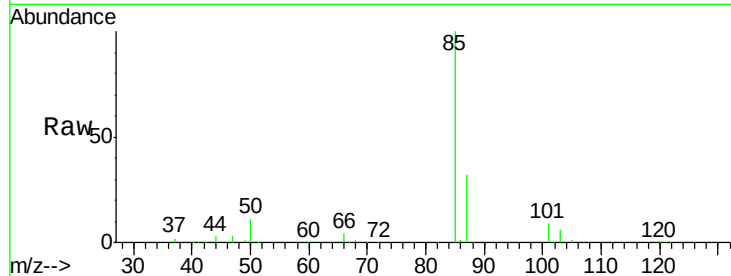
Acq: 06 May 2018 21:12

Tgt Ion: 85 Resp: 173036

Ion Ratio Lower Upper

85 100

87 31.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

200000

150000

100000

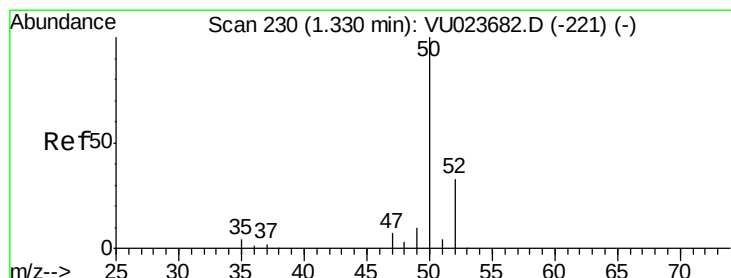
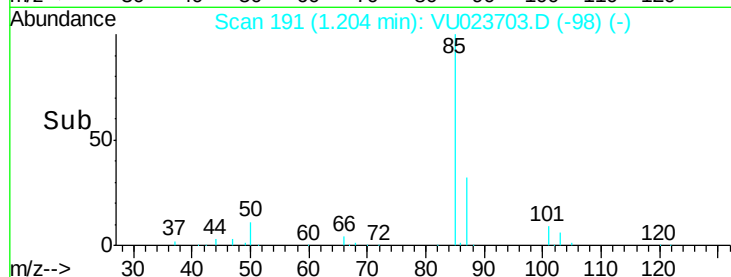
50000

0

1.20

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 38.89 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU023703.D

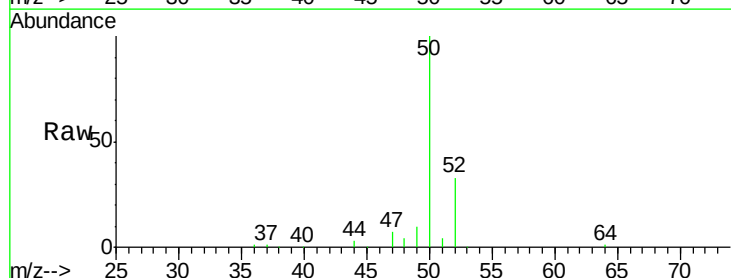
Acq: 06 May 2018 21:12

Tgt Ion: 50 Resp: 175650

Ion Ratio Lower Upper

50 100

52 32.7 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

200000

150000

100000

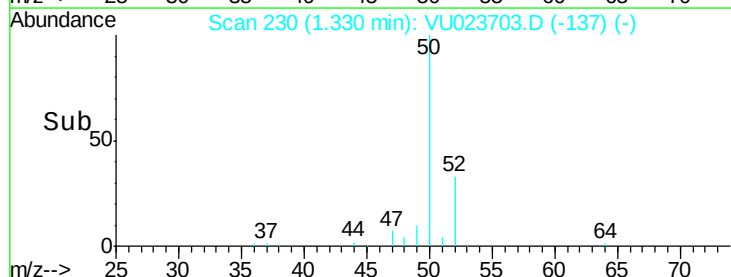
50000

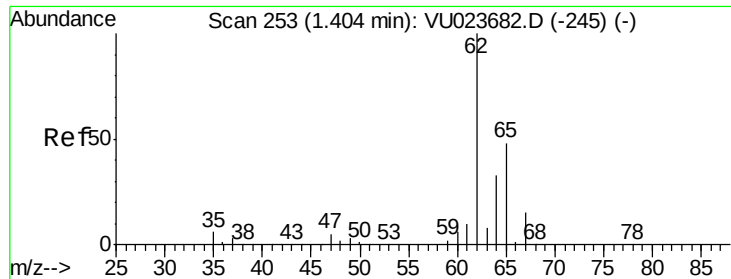
0

1.33

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 41.92 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023703.D

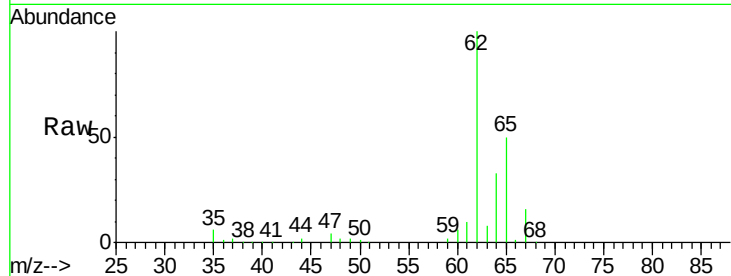
Acq: 06 May 2018 21:12

Tgt Ion: 62 Resp: 179311

Ion Ratio Lower Upper

62 100

64 33.1 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

150000

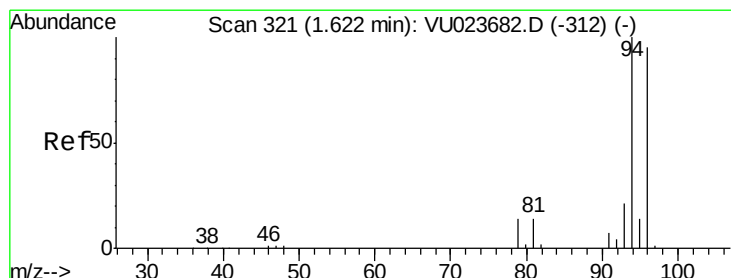
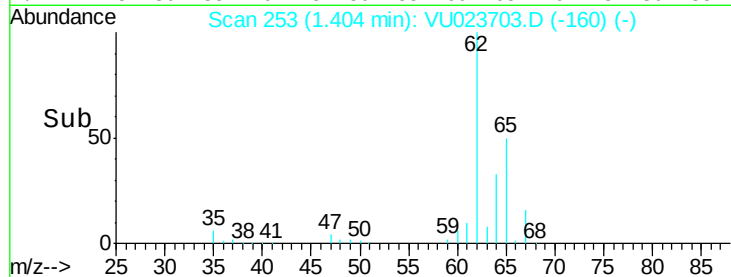
100000

50000

0

Time-->

1.35 1.40 1.45 1.50



#6

Bromomethane

Concen: 34.31 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU023703.D

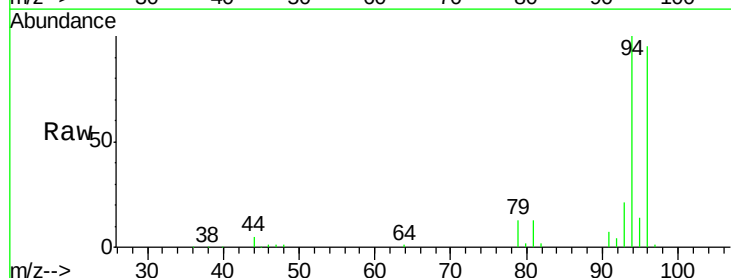
Acq: 06 May 2018 21:12

Tgt Ion: 94 Resp: 78670

Ion Ratio Lower Upper

94 100

96 95.0 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

60000

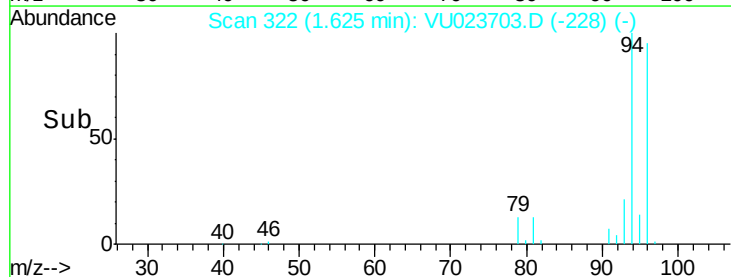
40000

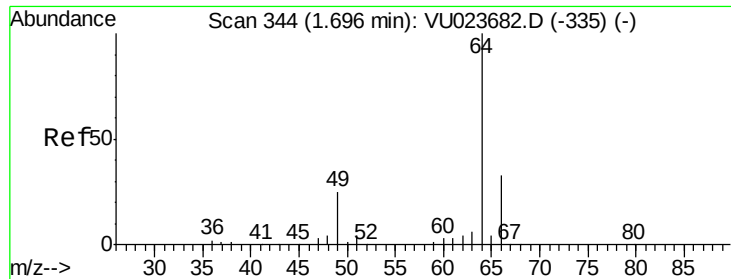
20000

0

Time-->

1.60 1.65 1.70





#8

Chloroethane

Concen: 41.17 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU023703.D

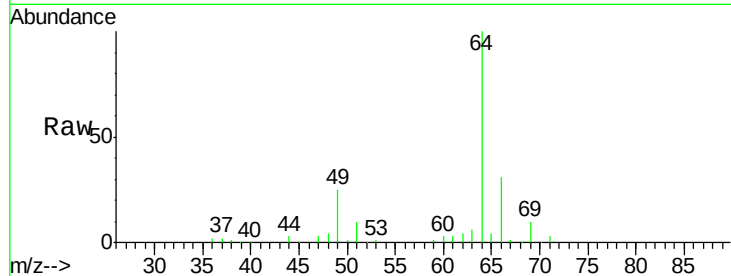
Acq: 06 May 2018 21:12

Tgt Ion: 64 Resp: 106457

Ion Ratio Lower Upper

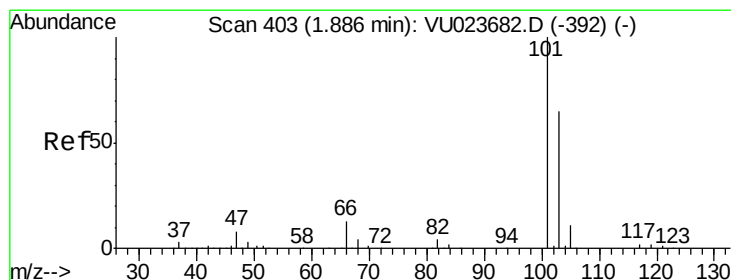
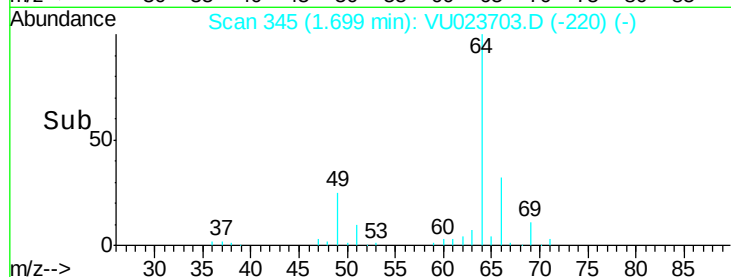
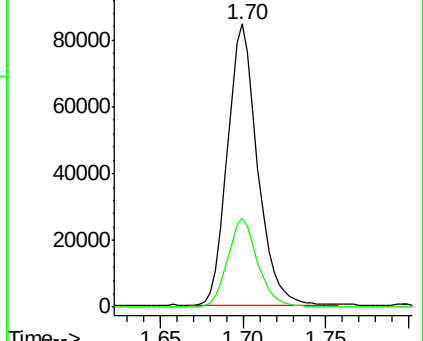
64 100

66 31.5 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 42.35 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU023703.D

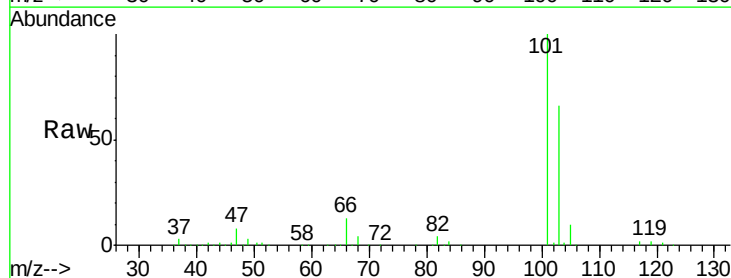
Acq: 06 May 2018 21:12

Tgt Ion: 101 Resp: 203855

Ion Ratio Lower Upper

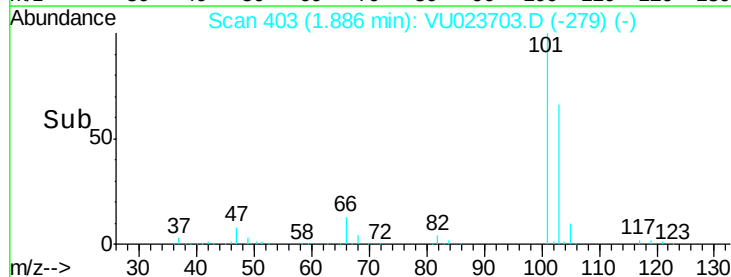
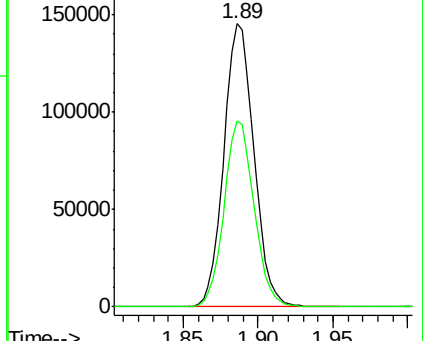
101 100

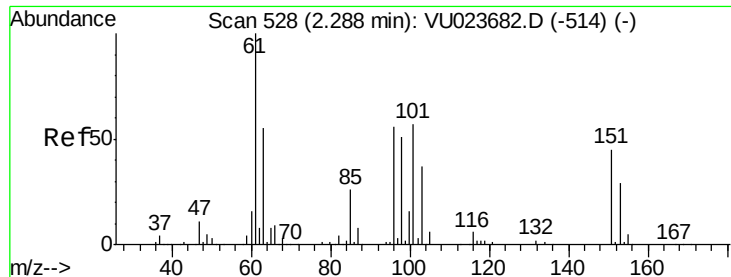
103 65.4 52.2 78.4



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: 44.25 ug/L

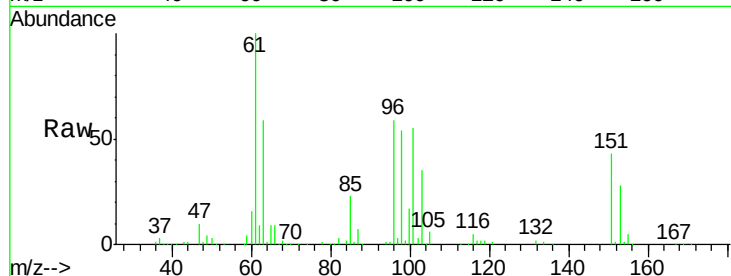
RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU023703.D

Acq: 06 May 2018 21:12

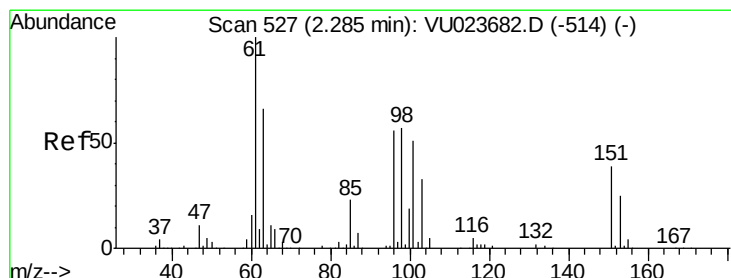
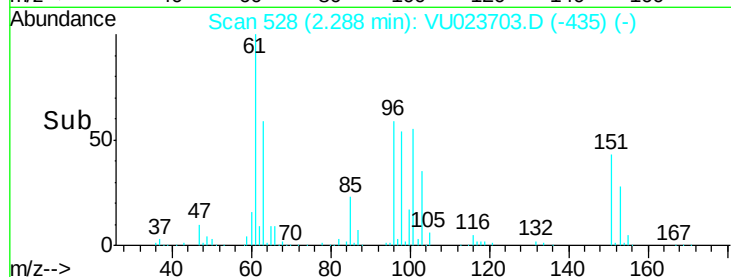
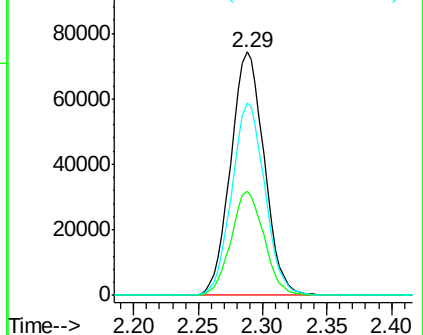
Tgt Ion:	101	Resp:	134312
Ion	Ratio	Lower	Upper
101	100		
85	42.0	34.9	52.3
151	78.0	61.0	91.6



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: 45.01 ug/L

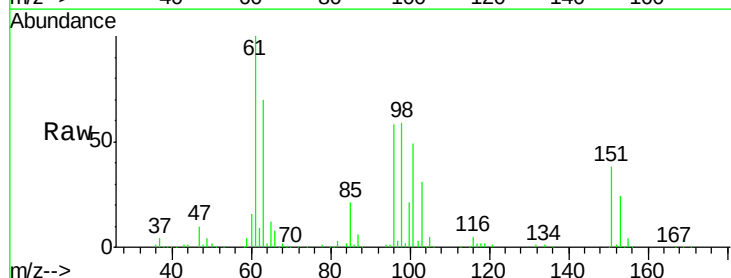
RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU023703.D

Acq: 06 May 2018 21:12

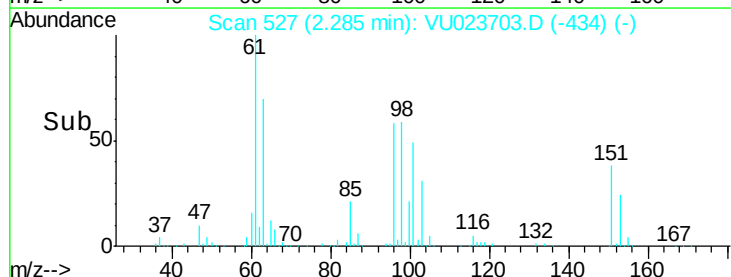
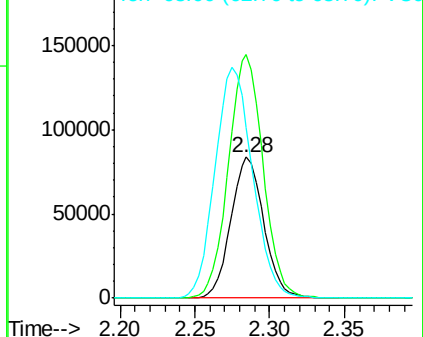
Tgt Ion:	96	Resp:	128119
Ion	Ratio	Lower	Upper
96	100		
61	173.0	125.9	233.7
63	121.2	84.8	157.6

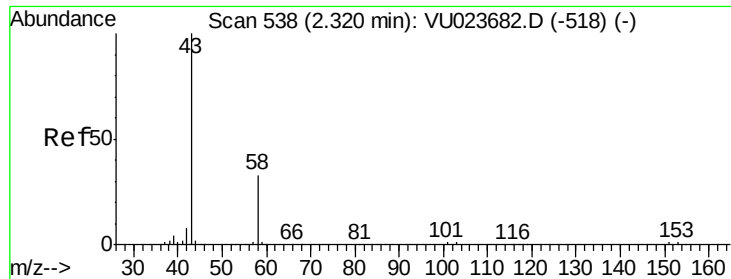


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 57.99 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU023703.D

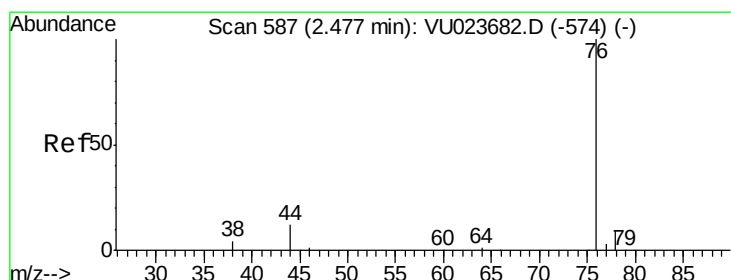
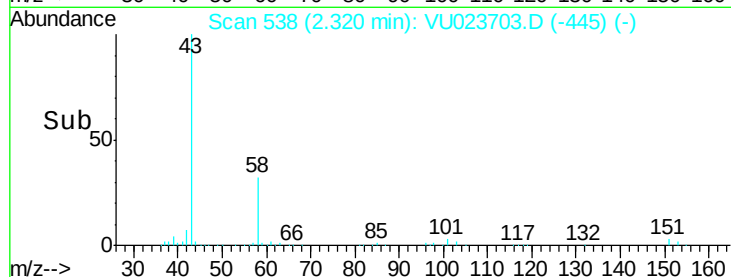
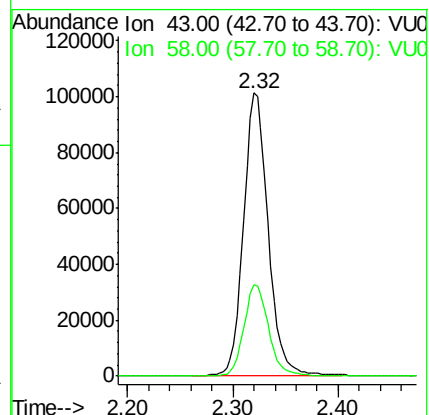
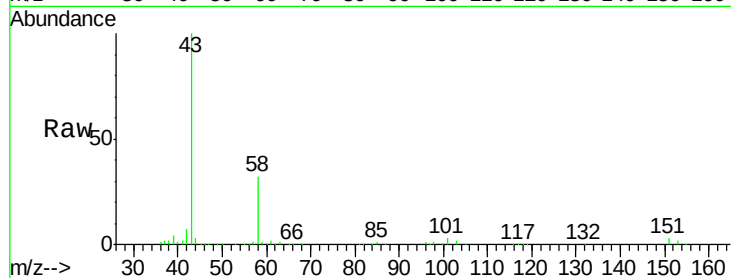
Acq: 06 May 2018 21:12

Tgt Ion: 43 Resp: 164557

Ion Ratio Lower Upper

43 100

58 32.0 0.0 64.8



#14

Carbon disulfide

Concen: 40.43 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU023703.D

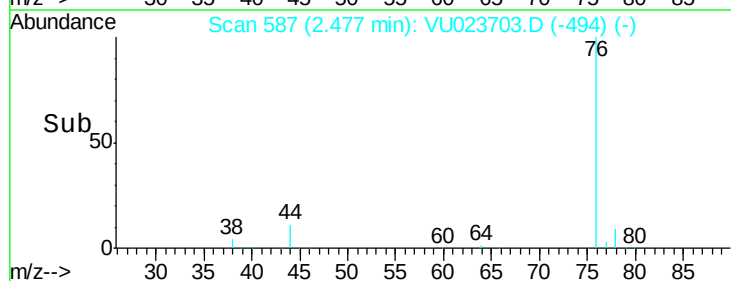
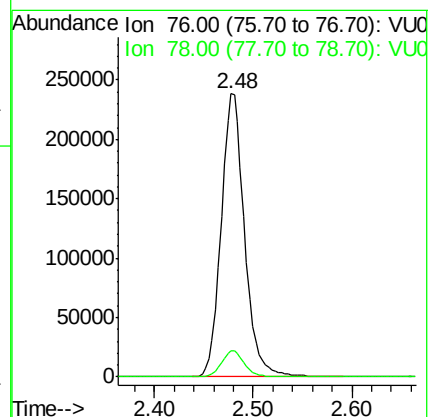
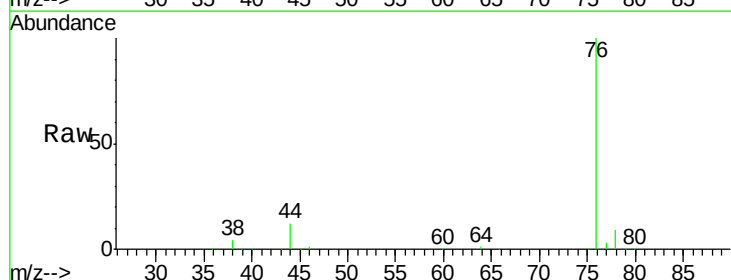
Acq: 06 May 2018 21:12

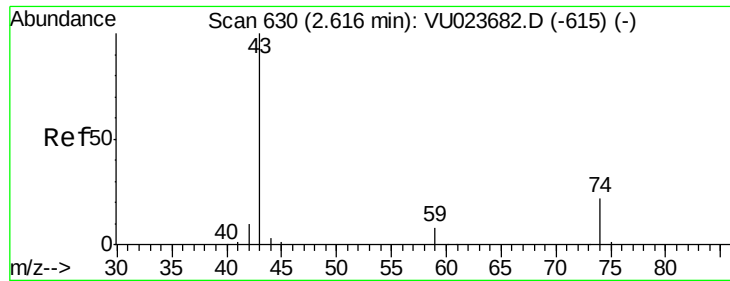
Tgt Ion: 76 Resp: 396658

Ion Ratio Lower Upper

76 100

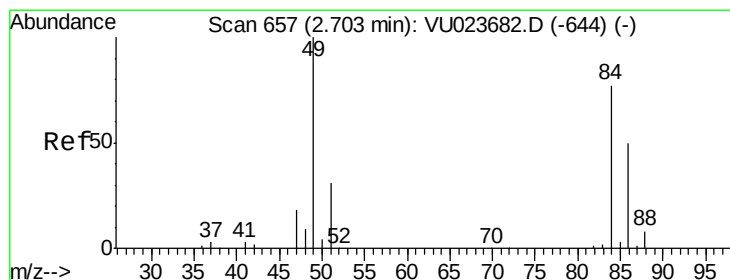
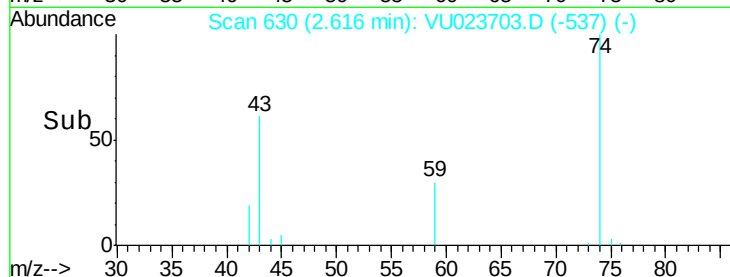
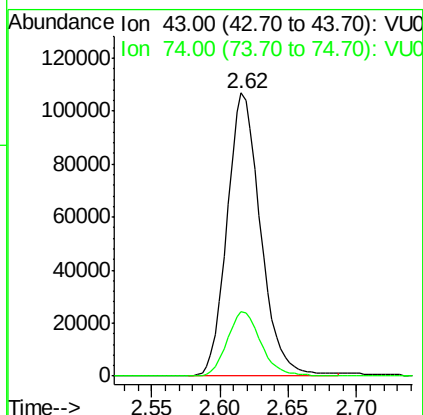
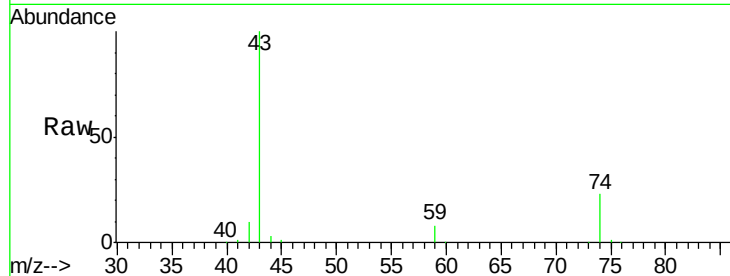
78 9.1 7.4 11.2





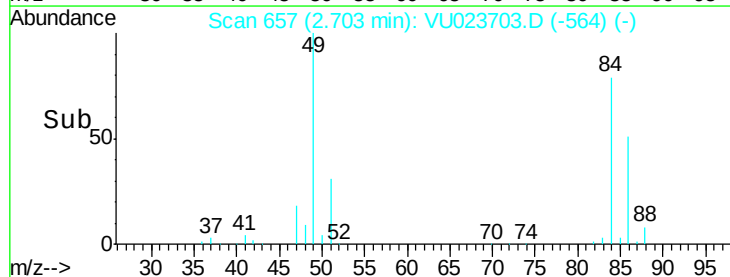
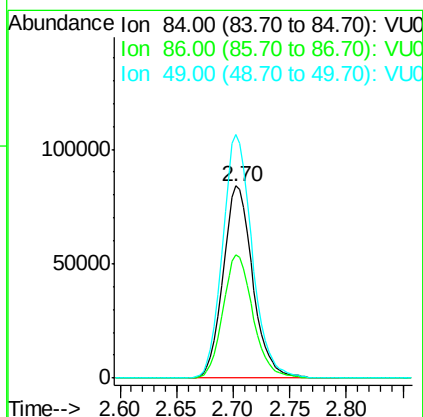
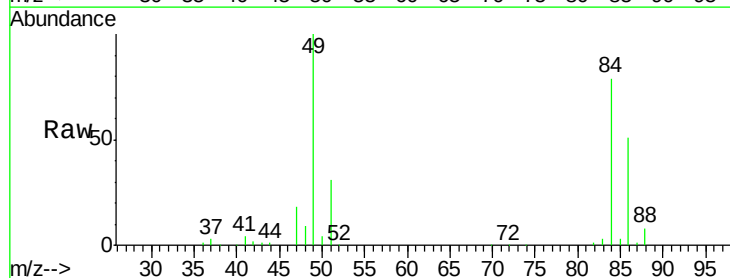
#15
Methyl Acetate
Concen: 48.64 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU023703.D
Acq: 06 May 2018 21:12

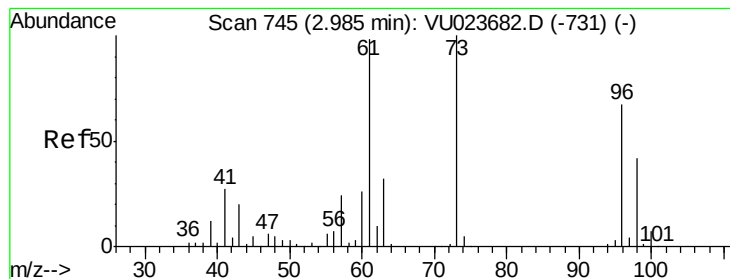
Tgt Ion: 43 Resp: 182818
Ion Ratio Lower Upper
43 100
74 22.8 17.5 26.3



#16
Methylene chloride
Concen: 43.17 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023703.D
Acq: 06 May 2018 21:12

Tgt Ion: 84 Resp: 153355
Ion Ratio Lower Upper
84 100
86 64.3 45.6 84.8
49 126.9 91.9 170.7





#17

trans-1,2-Dichloroethene

Concen: 44.88 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU023703.D

Acq: 06 May 2018 21:12

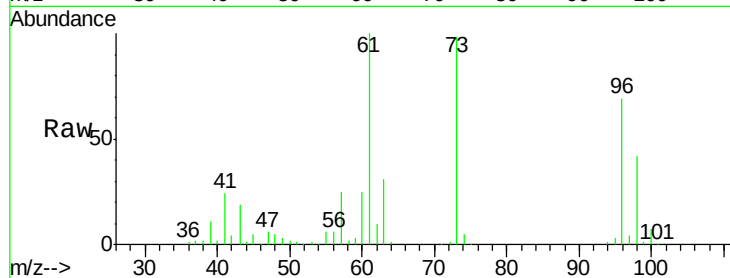
Tgt Ion: 96 Resp: 139750

Ion Ratio Lower Upper

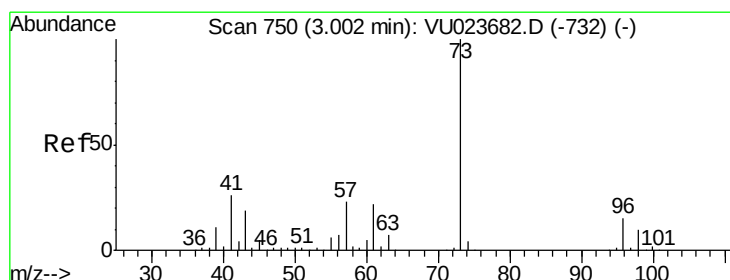
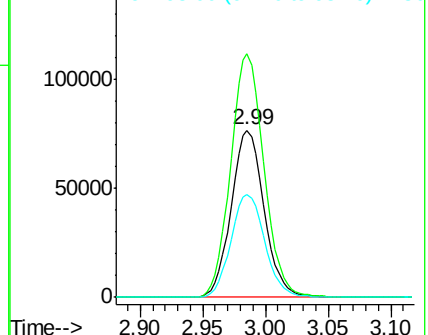
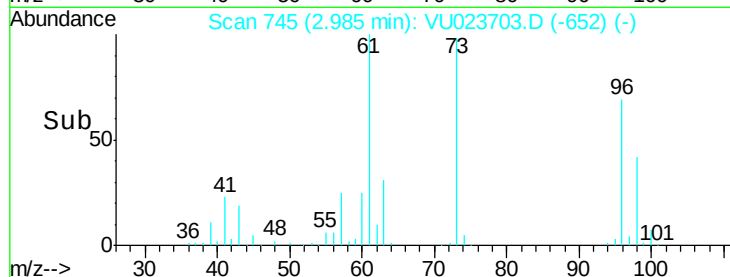
96 100

61 145.8 106.9 198.5

98 61.7 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU023703.D (-652) (-)



#18

Methyl tert-butyl Ether

Concen: 48.71 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU023703.D

Acq: 06 May 2018 21:12

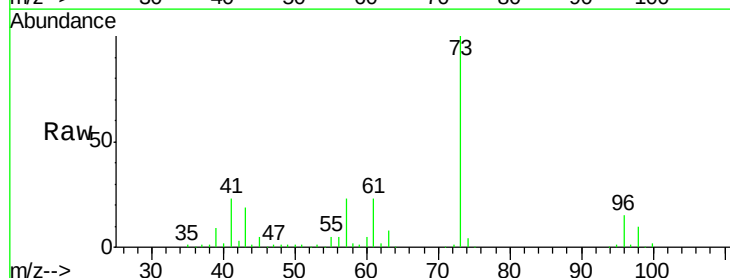
Tgt Ion: 73 Resp: 448425

Ion Ratio Lower Upper

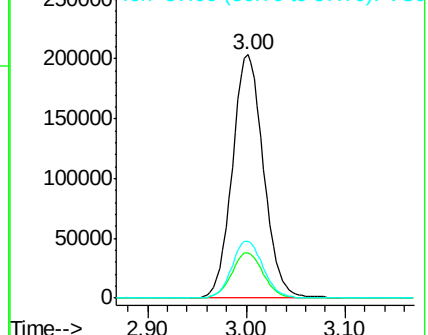
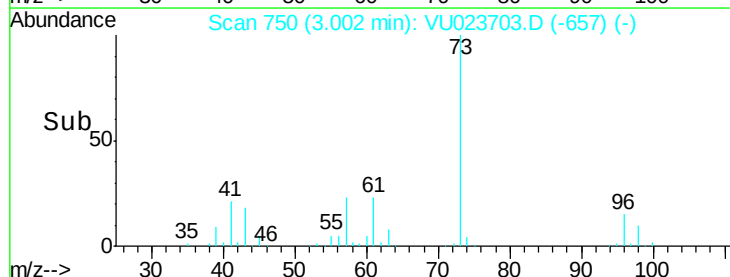
73 100

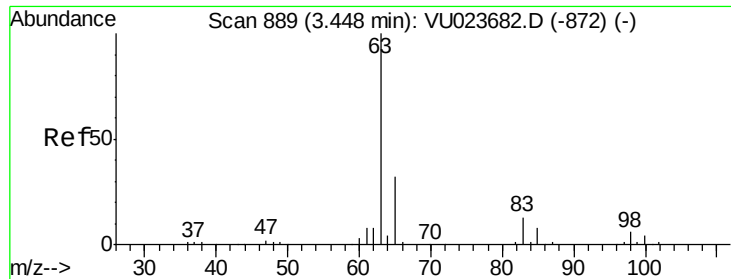
43 19.0 15.5 23.3

57 23.5 18.5 27.7



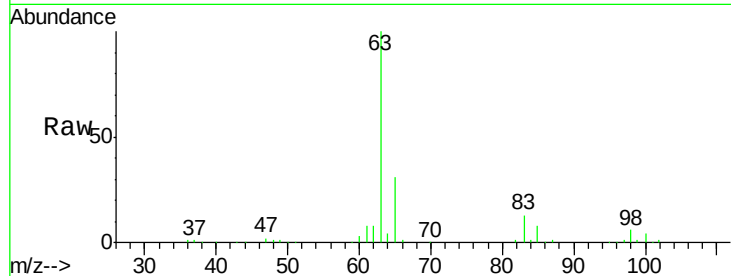
Abundance Ion 73.00 (72.70 to 73.70): VU023703.D (-657) (-)



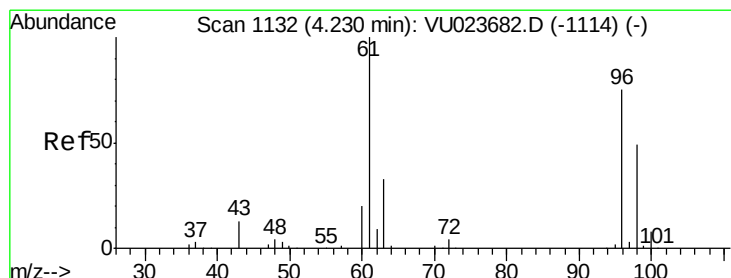
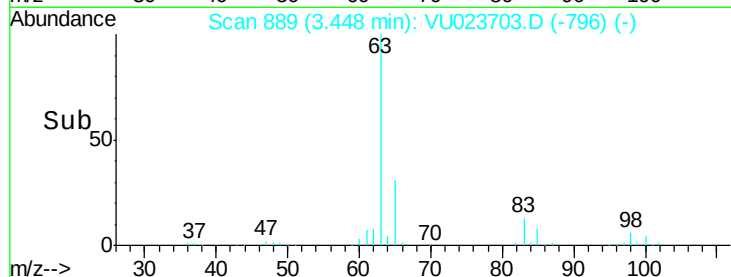
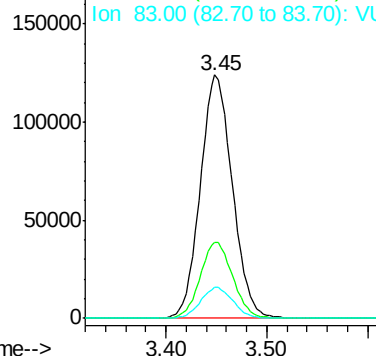


#19
 1,1-Dichloroethane
 Concen: 44.40 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

Tgt Ion: 63 Resp: 274410
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.3 41.5
 83 12.5 8.7 16.1

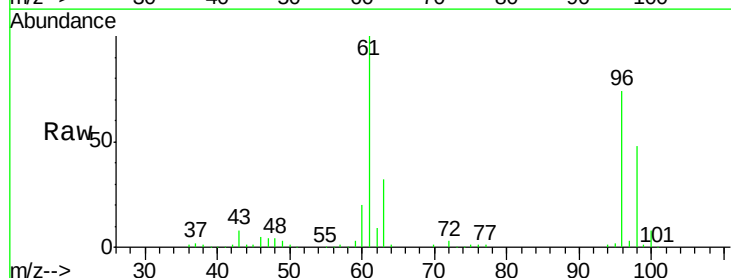


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

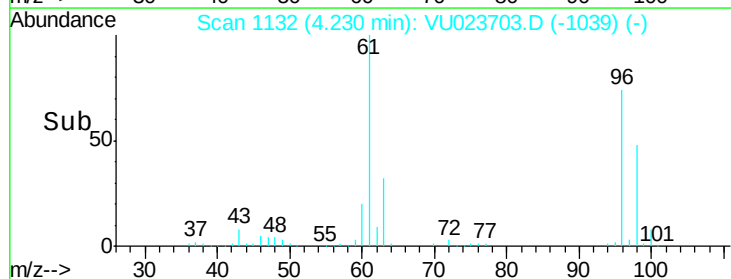
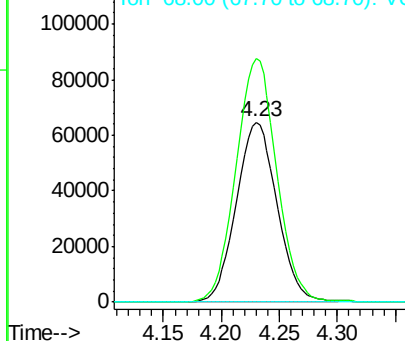


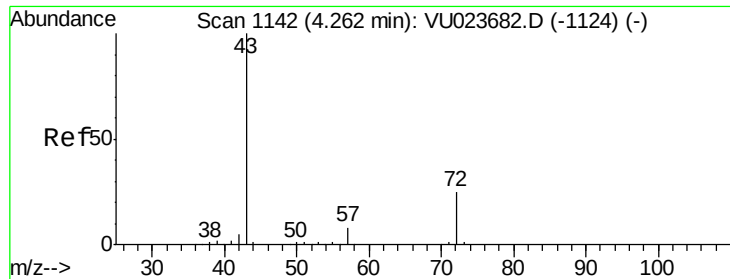
#20
 cis-1,2-Dichloroethene
 Concen: 45.69 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

Tgt Ion: 96 Resp: 157935
 Ion Ratio Lower Upper
 96 100
 61 135.1 95.3 177.1
 68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 80.63 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU023703.D

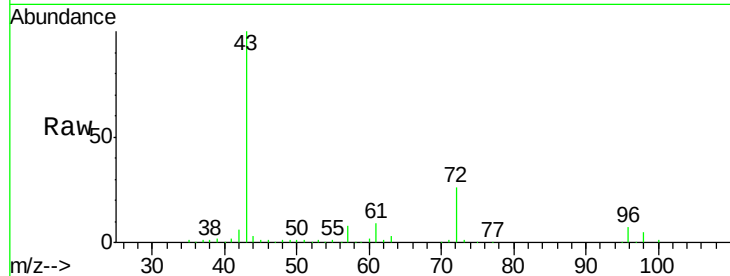
Acq: 06 May 2018 21:12

Tgt Ion: 43 Resp: 254432

Ion Ratio Lower Upper

43 100

72 26.6 12.3 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU023703.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU023703.D (-1049) (-)

4.27

100000

80000

60000

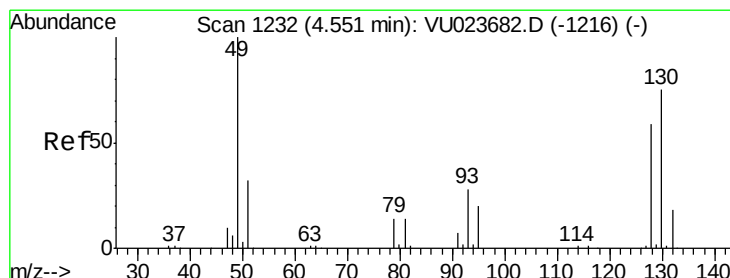
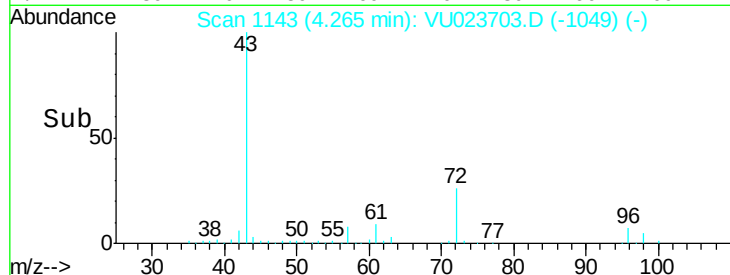
40000

20000

0

Time-->

4.20 4.30 4.40



#23

Bromochloromethane

Concen: 45.80 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU023703.D

Acq: 06 May 2018 21:12

Tgt Ion: 128 Resp: 79458

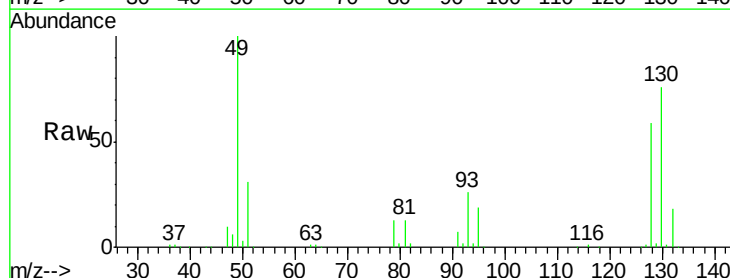
Ion Ratio Lower Upper

128 100

49 170.4 123.7 229.7

130 129.9 90.6 168.3

51 52.1 45.0 67.6



Abundance Ion 128.00 (127.70 to 128.70): VU023703.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU023703.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU023703.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU023703.D (-1139) (-)

4.55

80000

60000

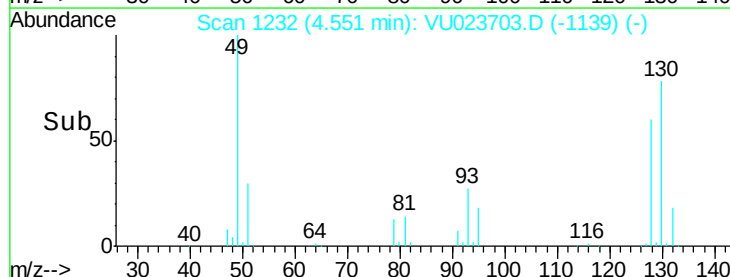
40000

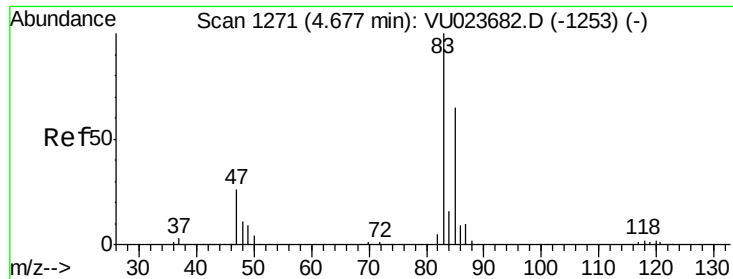
20000

0

Time-->

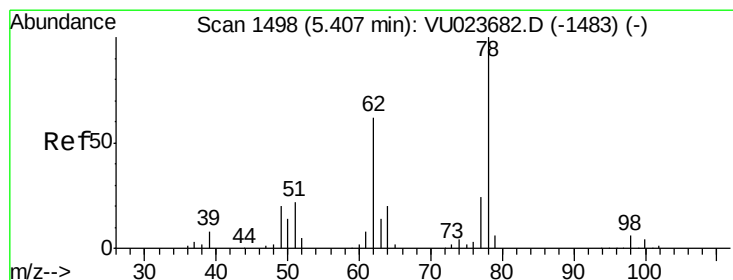
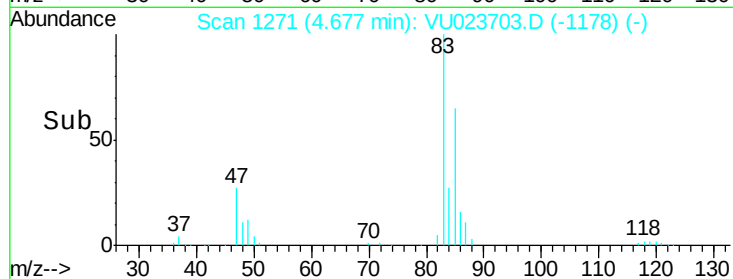
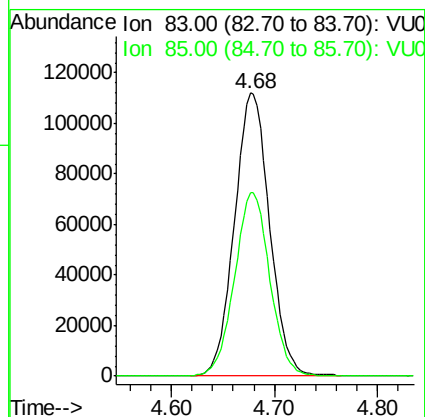
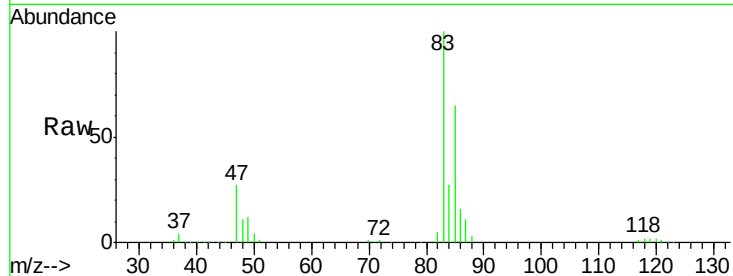
4.45 4.50 4.55 4.60 4.65





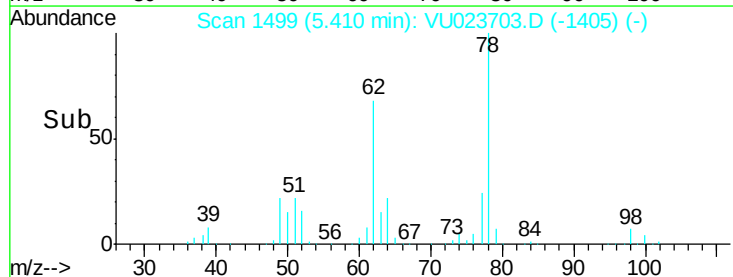
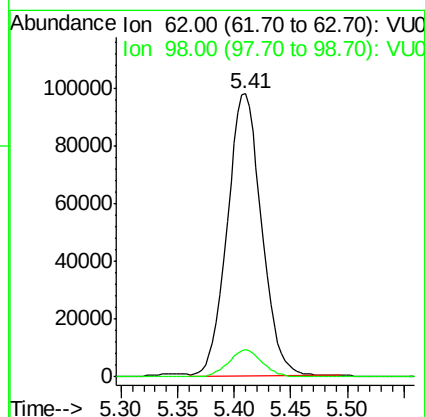
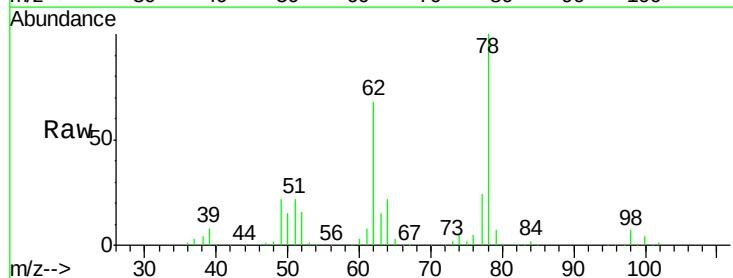
#25
Chloroform
Concen: 41.87 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU023703.D
Acq: 06 May 2018 21:12

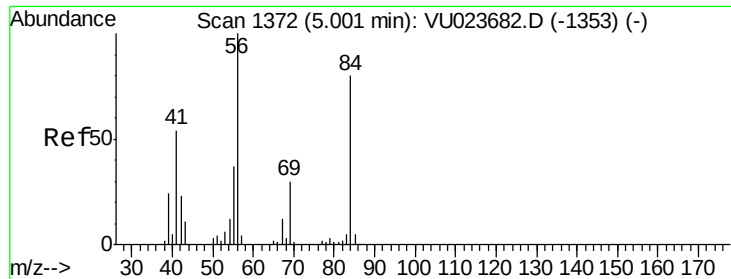
Tgt Ion: 83 Resp: 265422
Ion Ratio Lower Upper
83 100
85 64.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 44.00 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU023703.D
Acq: 06 May 2018 21:12

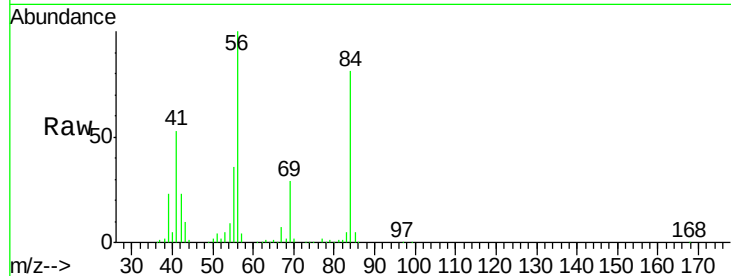
Tgt Ion: 62 Resp: 206776
Ion Ratio Lower Upper
62 100
98 9.8 7.3 10.9



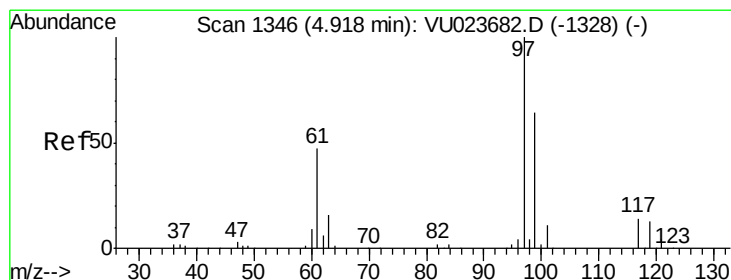
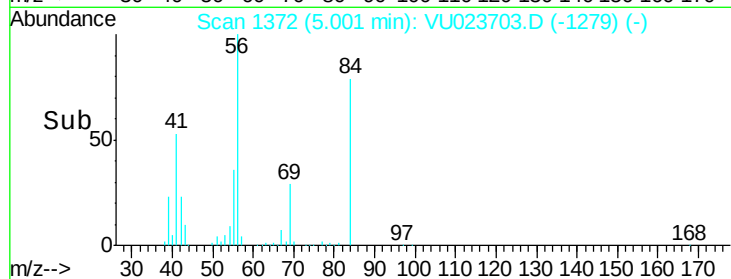
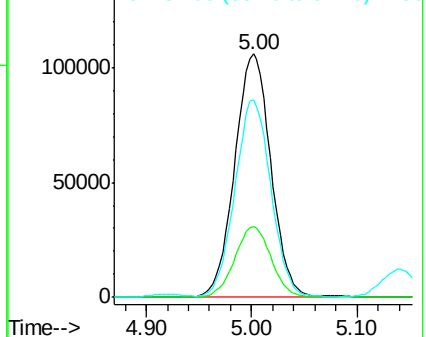


#29
Cyclohexane
Concen: 46.42 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU023703.D
Acq: 06 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.5	35.3
84	80.9	63.8	95.8

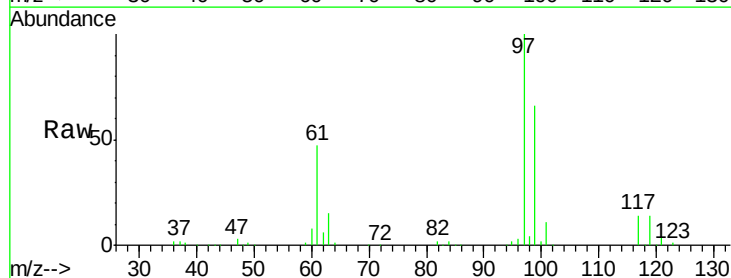


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

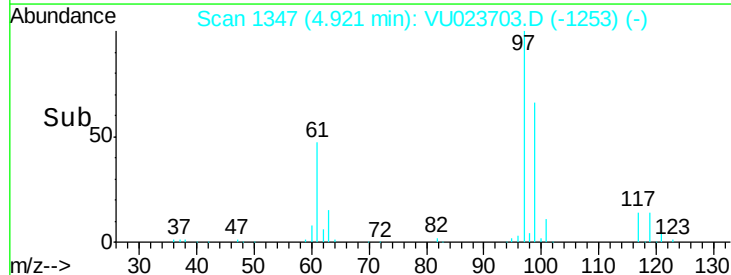
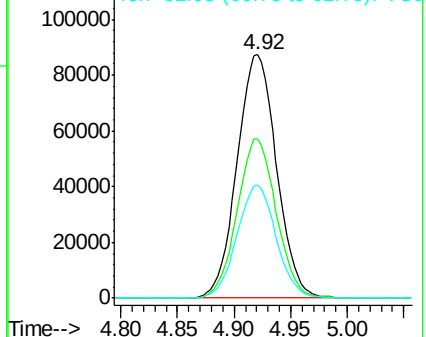


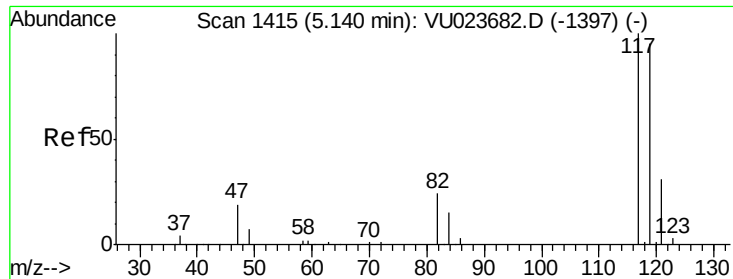
#30
1,1,1-Trichloroethane
Concen: 45.53 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU023703.D
Acq: 06 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	46.0	37.7	56.5



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 44.74 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU023703.D

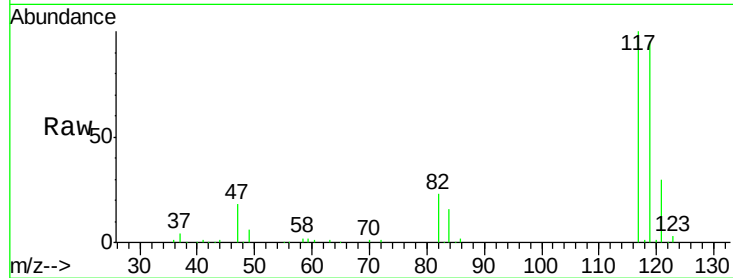
Acq: 06 May 2018 21:12

Tgt Ion:117 Resp: 181312

Ion Ratio Lower Upper

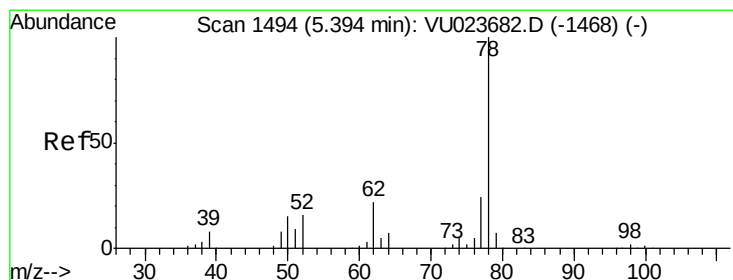
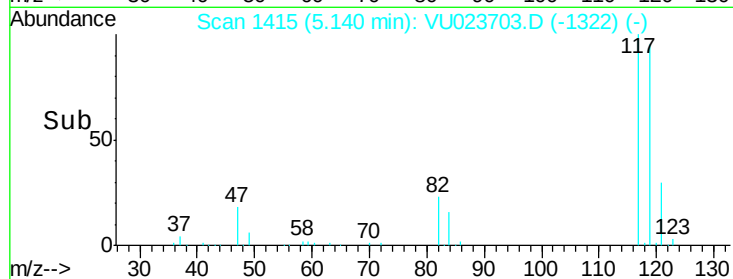
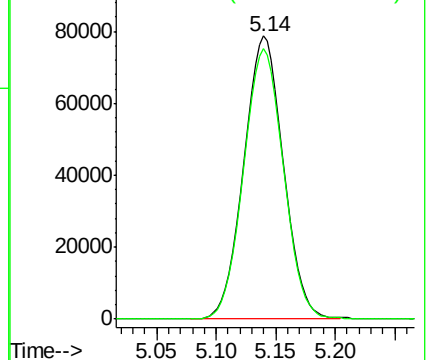
117 100

119 96.4 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.31 ug/L

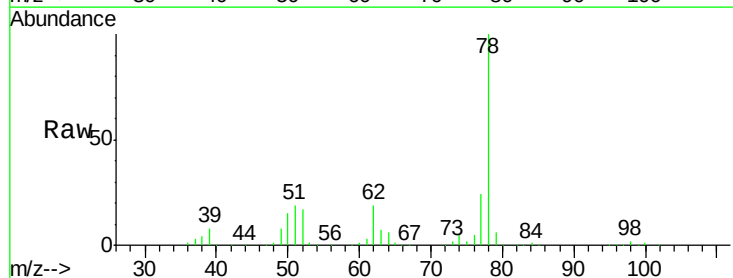
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

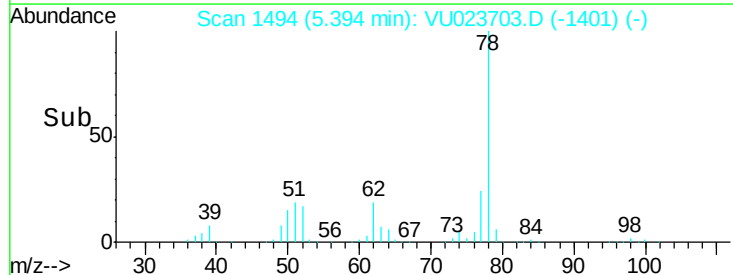
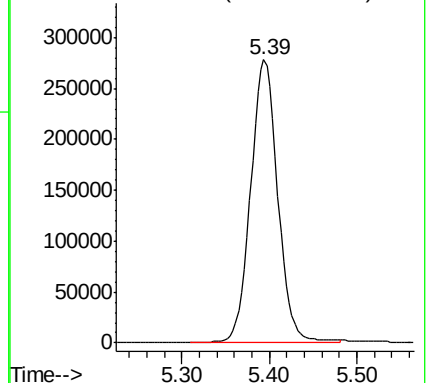
Lab File: VU023703.D

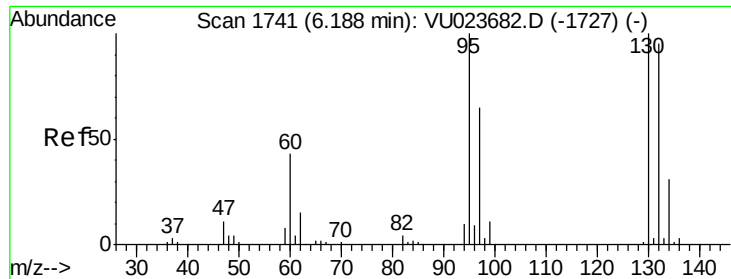
Acq: 06 May 2018 21:12

Tgt Ion: 78 Resp: 600861



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 45.87 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023703.D

Acq: 06 May 2018 21:12

Tgt Ion: 95 Resp: 152485

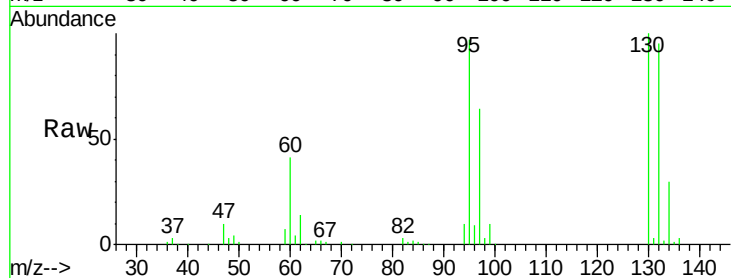
Ion Ratio Lower Upper

95 100

97 65.4 46.3 85.9

132 98.1 68.5 127.1

130 102.8 70.8 131.4

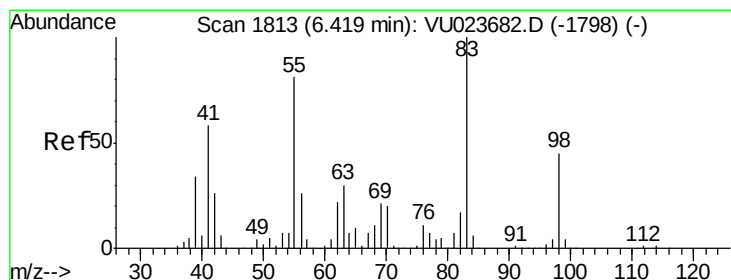
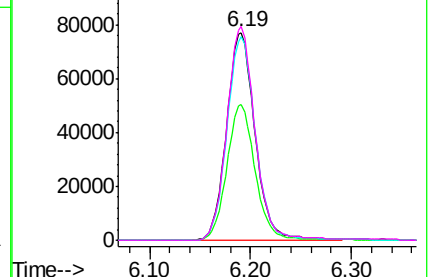
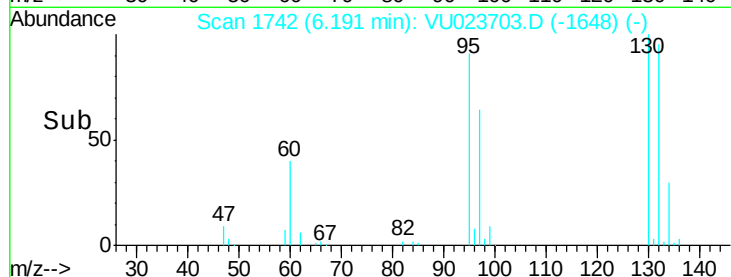


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 45.00 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU023703.D

Acq: 06 May 2018 21:12

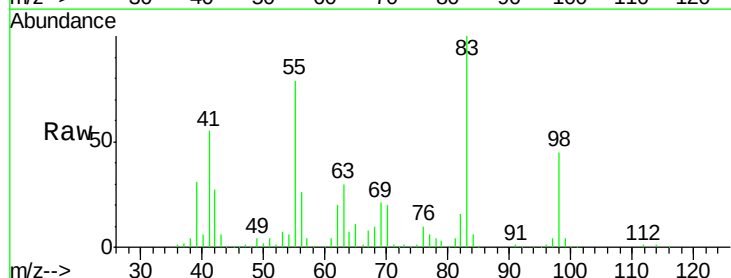
Tgt Ion: 83 Resp: 234010

Ion Ratio Lower Upper

83 100

55 81.0 66.7 100.1

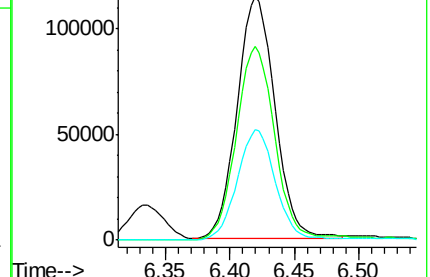
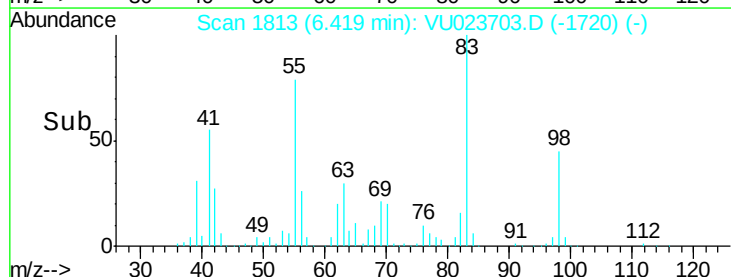
98 46.0 36.6 54.8

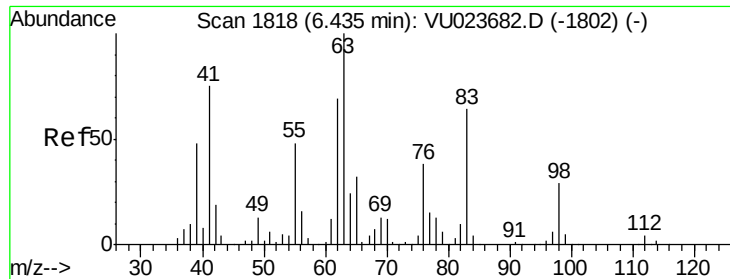


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

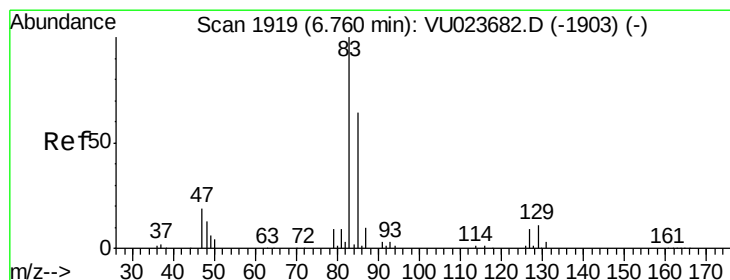
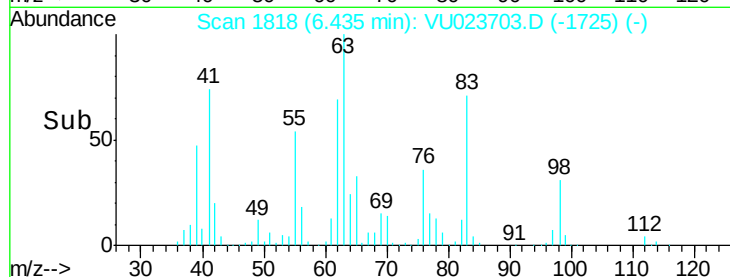
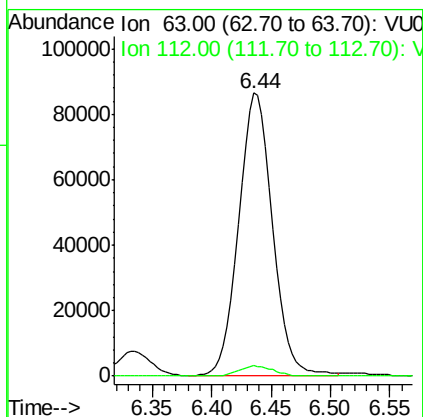
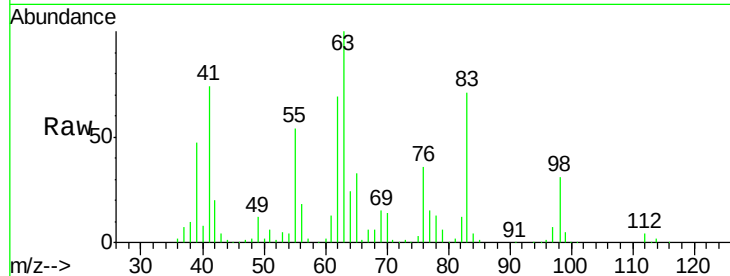
Ion 98.00 (97.70 to 98.70): VU0





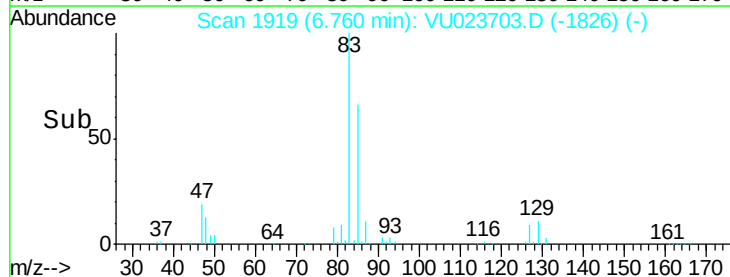
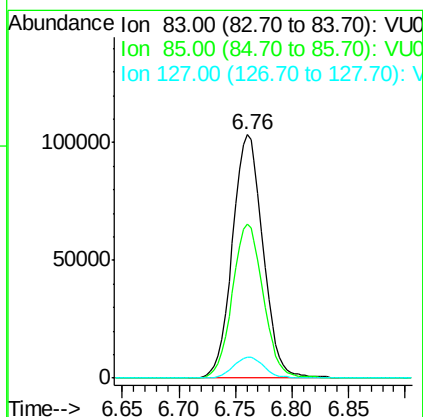
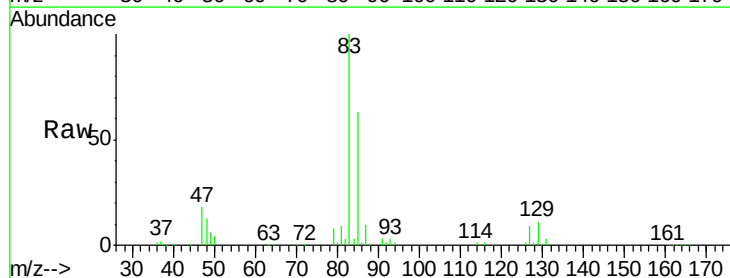
#37
 1,2-Dichloropropane
 Concen: 45.62 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

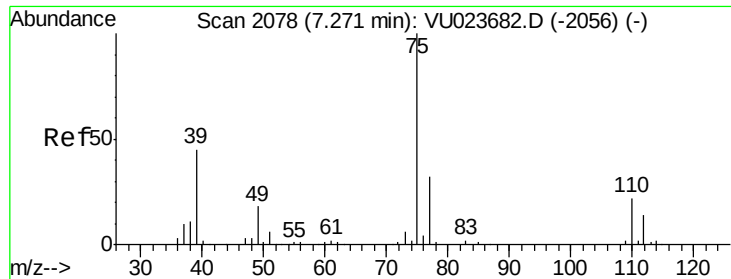
Tgt Ion: 63 Resp: 169658
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 46.10 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

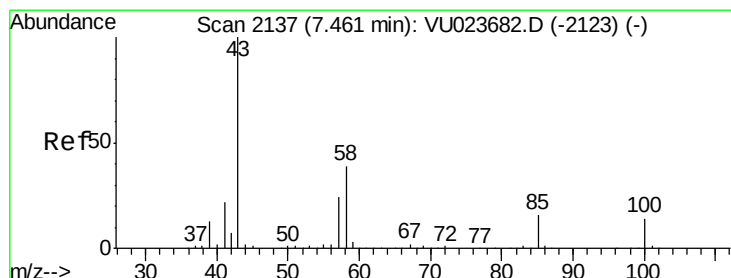
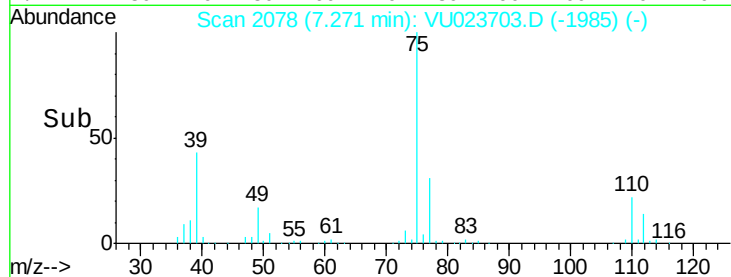
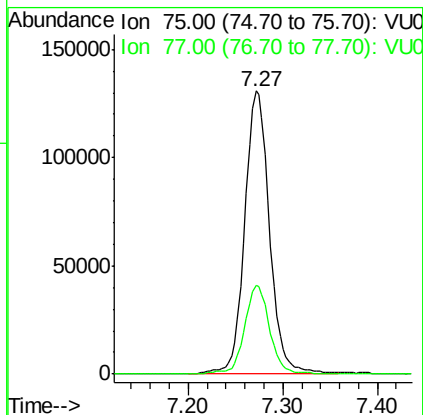
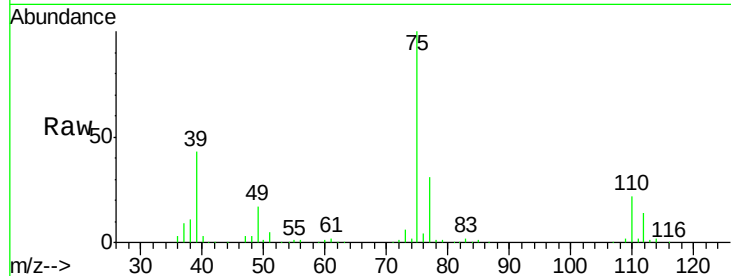
Tgt Ion: 83 Resp: 193431
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.1 83.7
 127 8.7 6.9 10.3





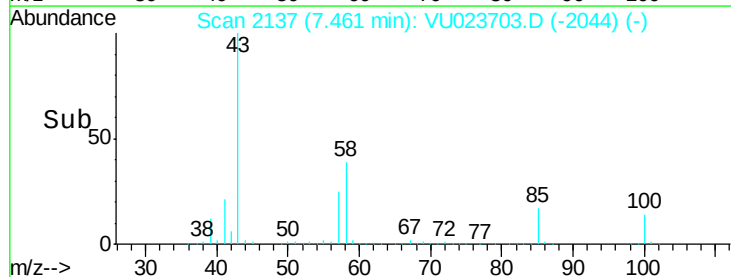
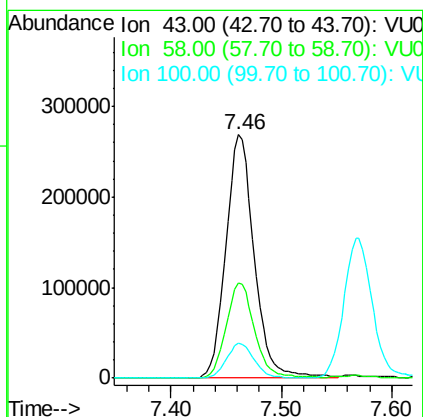
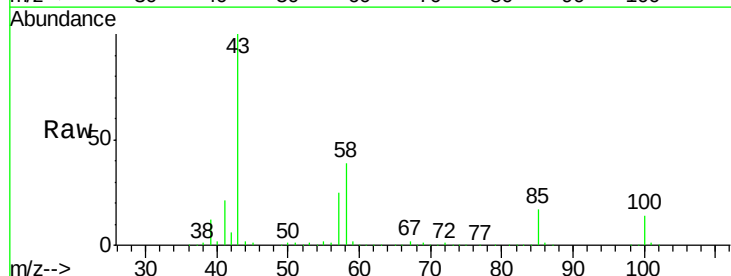
#39
 cis-1,3-Dichloropropene
 Concen: 46.63 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

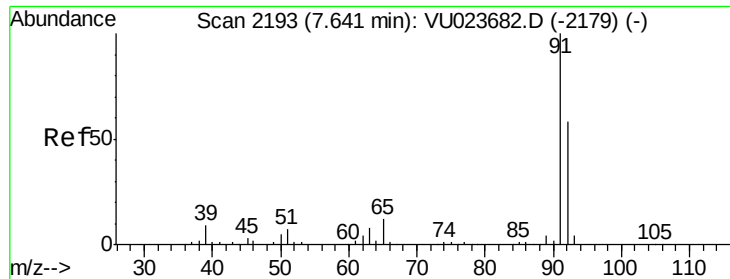
Tgt Ion: 75 Resp: 238959
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 105.67 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

Tgt Ion: 43 Resp: 479751
 Ion Ratio Lower Upper
 43 100
 58 39.4 30.8 46.2
 100 14.1 10.7 16.1





#42

Toluene

Concen: 47.50 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU023703.D

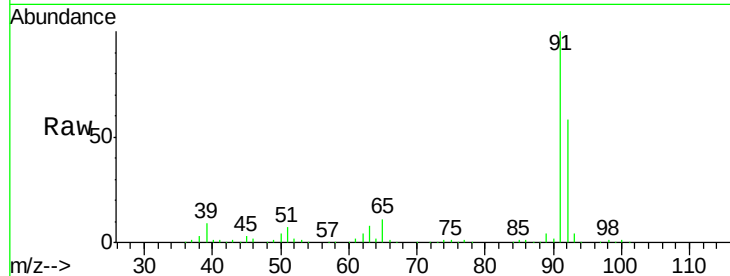
Acq: 06 May 2018 21:12

Tgt Ion: 91 Resp: 638824

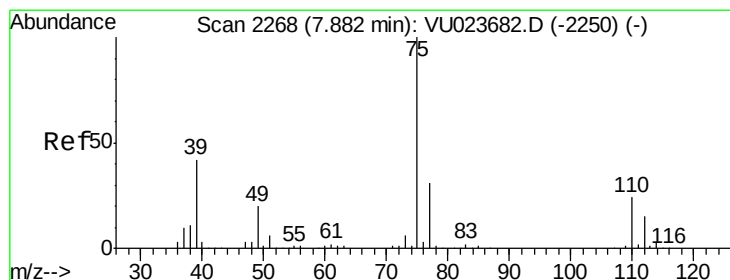
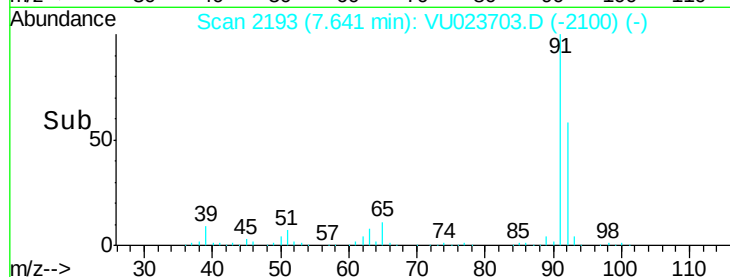
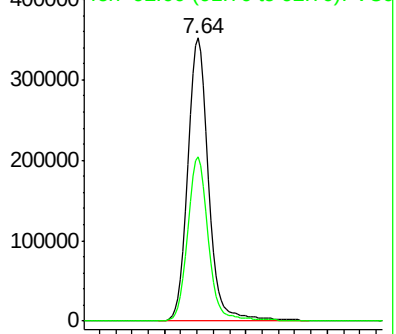
Ion Ratio Lower Upper

91 100

92 58.1 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU023703.D (-2179) (-)



#44

trans-1,3-Dichloropropene

Concen: 47.02 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU023703.D

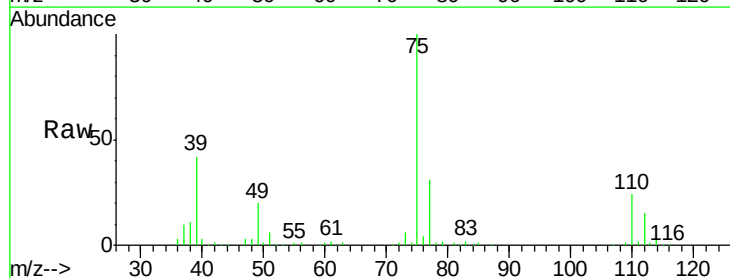
Acq: 06 May 2018 21:12

Tgt Ion: 75 Resp: 215006

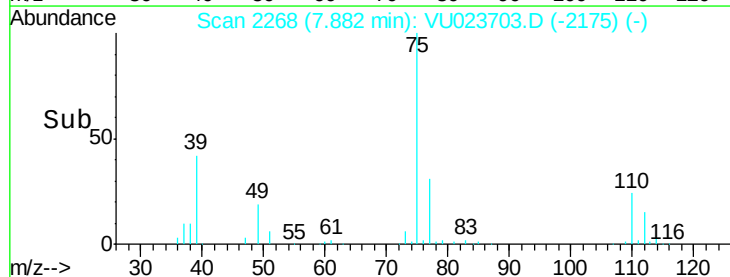
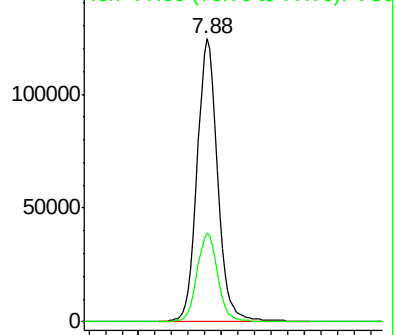
Ion Ratio Lower Upper

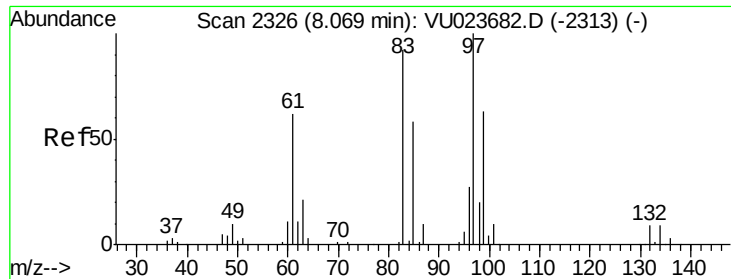
75 100

77 31.2 22.5 41.7



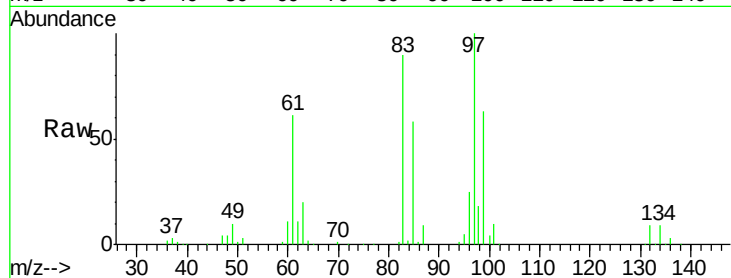
Abundance Ion 75.00 (74.70 to 75.70): VU023703.D (-2175) (-)



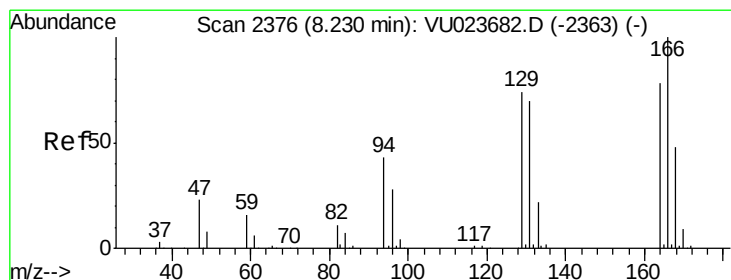
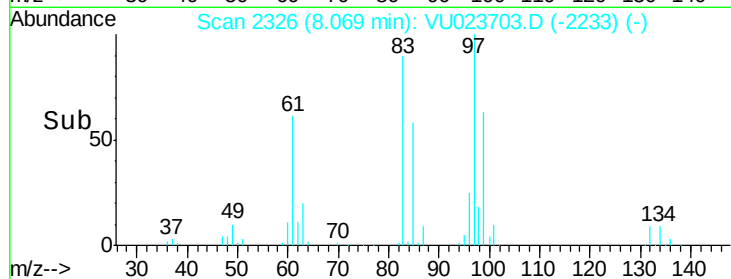
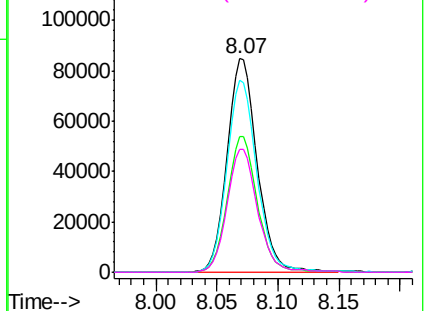


#45
 1,1,2-Trichloroethane
 Concen: 46.57 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

Tgt Ion:	97	Resp:	147150
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.2	82.2
83	89.6	63.1	117.1
85	57.6	40.3	74.8

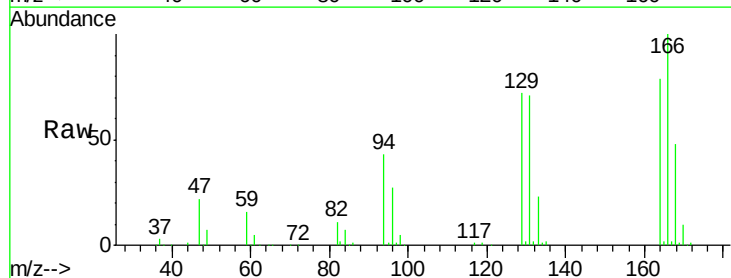


Abundance Ion 97.00 (96.70 to 97.70): VU023703.D (-2233) (-)
 Ion 99.00 (98.70 to 99.70): VU023703.D (-2233) (-)
 Ion 83.00 (82.70 to 83.70): VU023703.D (-2233) (-)
 Ion 85.00 (84.70 to 85.70): VU023703.D (-2233) (-)

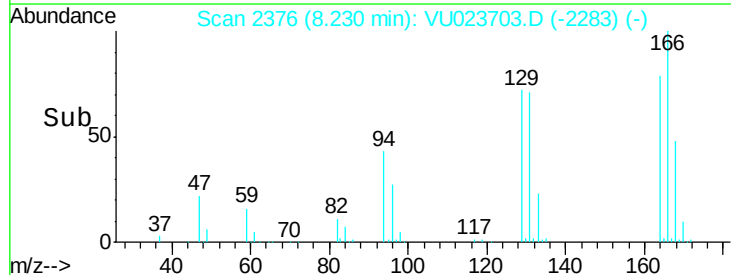
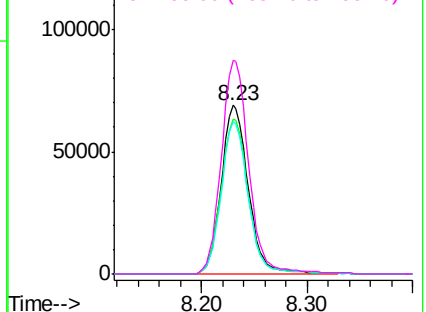


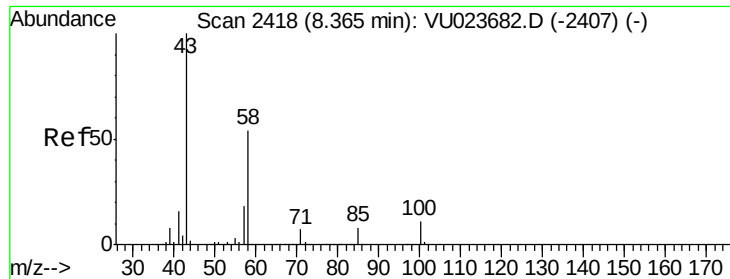
#46
 Tetrachloroethene
 Concen: 45.17 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

Tgt Ion:	164	Resp:	122403
Ion	Ratio	Lower	Upper
164	100		
129	91.6	64.2	119.2
131	90.5	64.1	119.1
166	126.6	89.4	166.0



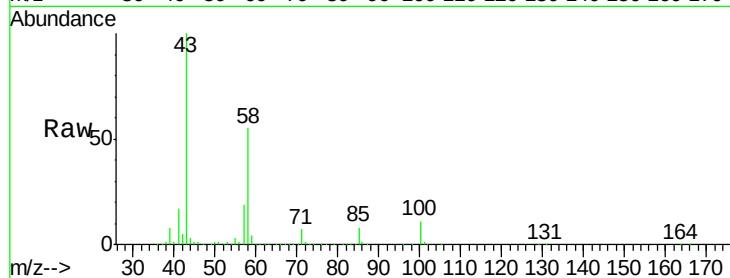
Abundance Ion 164.00 (163.70 to 164.70): VU023703.D (-2283) (-)
 Ion 129.00 (128.70 to 129.70): VU023703.D (-2283) (-)
 Ion 131.00 (130.70 to 131.70): VU023703.D (-2283) (-)
 Ion 166.00 (165.70 to 166.70): VU023703.D (-2283) (-)



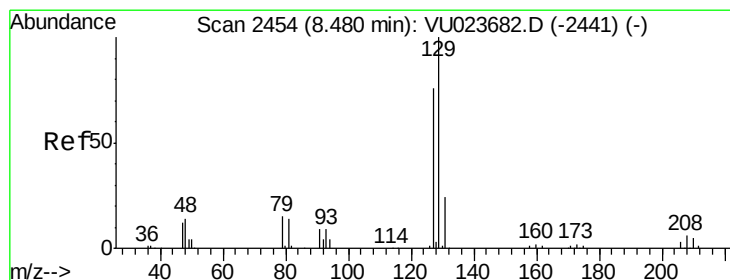
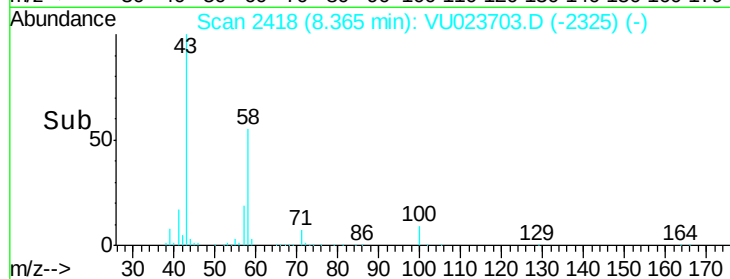
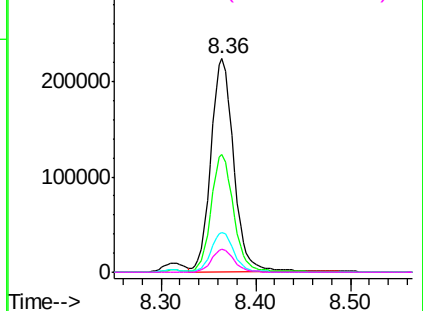


#48
2-Hexanone
Concen: 94.98 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU023703.D
Acq: 06 May 2018 21:12

Tgt Ion:	43	Resp:	375584
Ion	Ratio	Lower	Upper
43	100		
58	54.2	43.0	64.6
57	18.7	14.6	22.0
100	10.8	8.4	12.6

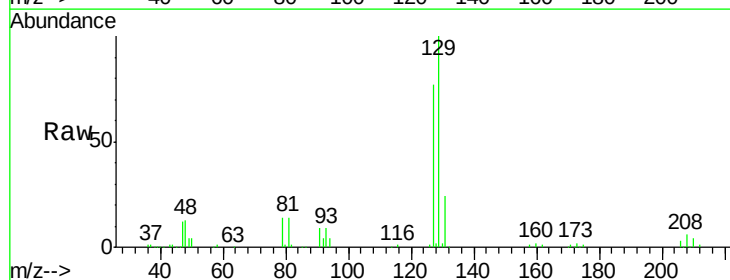


Abundance Ion 43.00 (42.70 to 43.70): VU023703.D (-2325) (-)
Ion 58.00 (57.70 to 58.70): VU023703.D (-2325) (-)
Ion 57.00 (56.70 to 57.70): VU023703.D (-2325) (-)
Ion 100.00 (99.70 to 100.70): VU023703.D (-2325) (-)

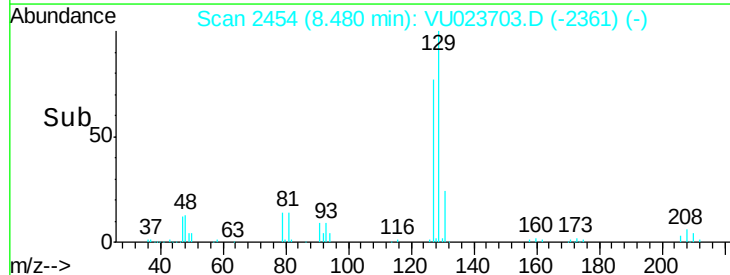
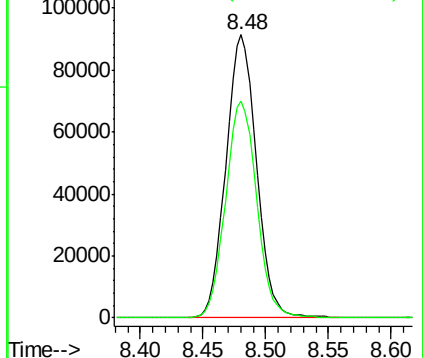


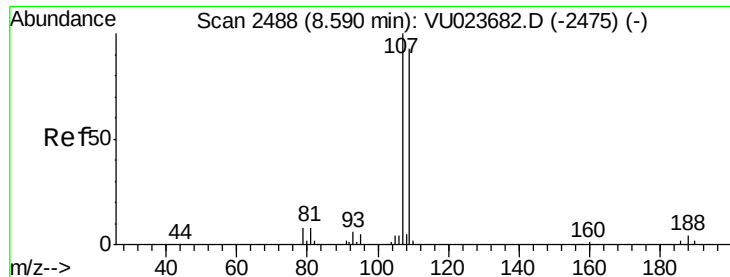
#49
Dibromochloromethane
Concen: 46.52 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU023703.D
Acq: 06 May 2018 21:12

Tgt Ion:	129	Resp:	154808
Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.3	99.1



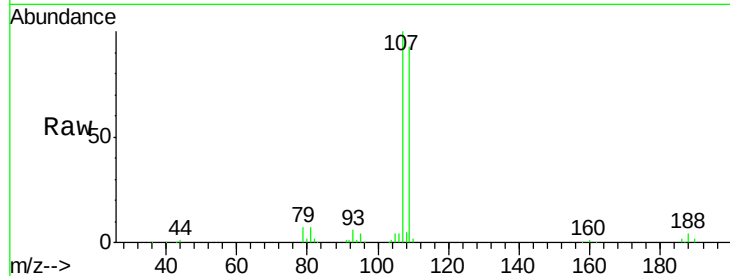
Abundance Ion 129.00 (128.70 to 129.70): VU023703.D (-2361) (-)
Ion 127.00 (126.70 to 127.70): VU023703.D (-2361) (-)



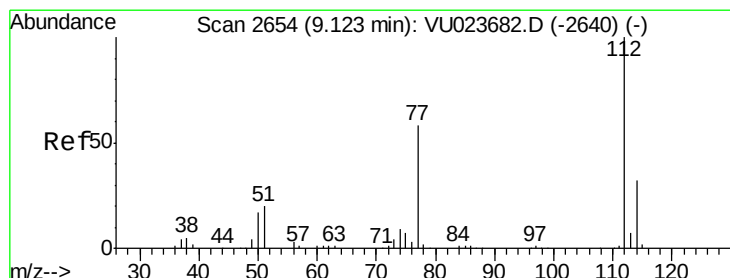
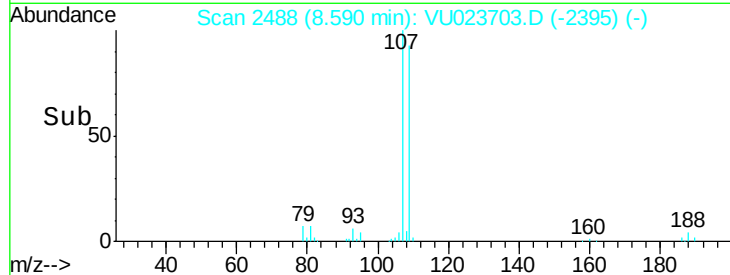
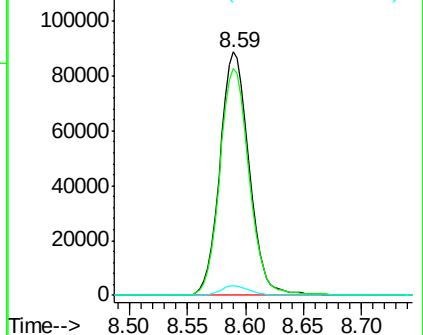


#50
1,2-Dibromoethane
Concen: 48.52 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU023703.D
Acq: 06 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.1	66.1	122.7
188	3.9	3.2	4.8

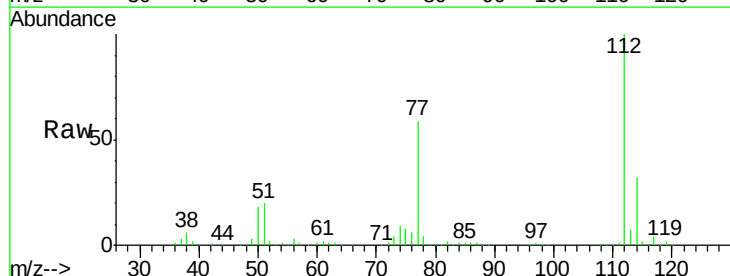


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

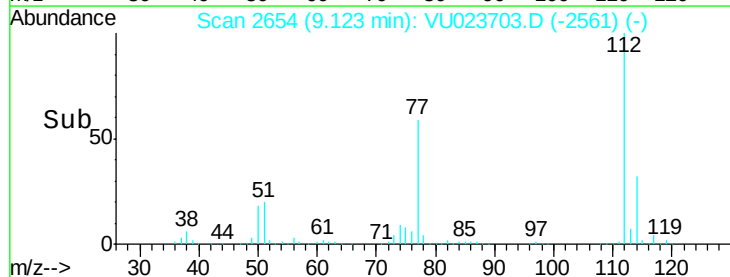
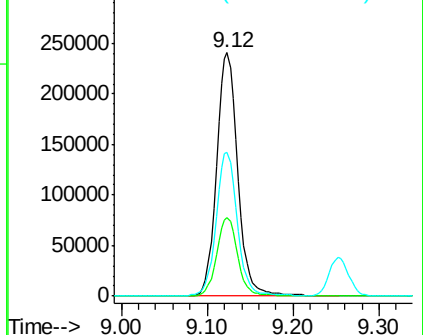


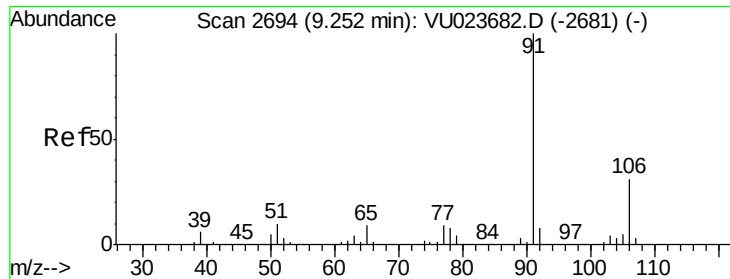
#51
Chlorobenzene
Concen: 46.02 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU023703.D
Acq: 06 May 2018 21:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.3
77	59.0	47.5	71.3



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





#52

Ethylbenzene

Concen: 48.09 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU023703.D

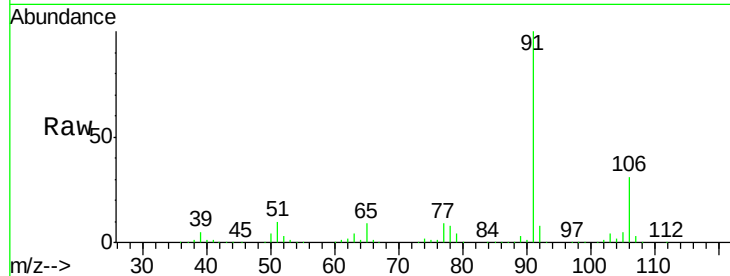
Acq: 06 May 2018 21:12

Tgt Ion: 91 Resp: 701011

Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU023682.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU023682.D (-2681) (-)

9.25

400000

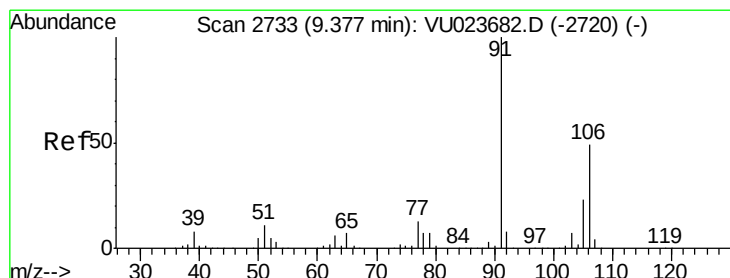
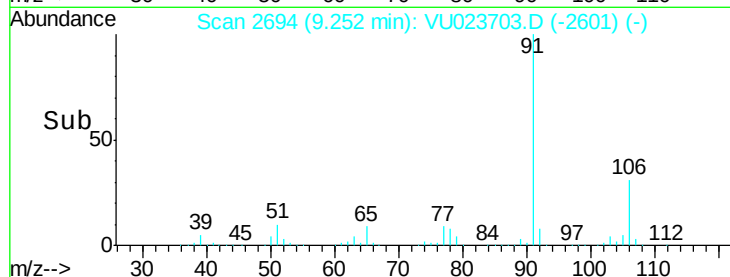
300000

200000

100000

0

Time--> 9.15 9.20 9.25 9.30 9.35



#53

m,p-Xylene

Concen: 48.45 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU023703.D

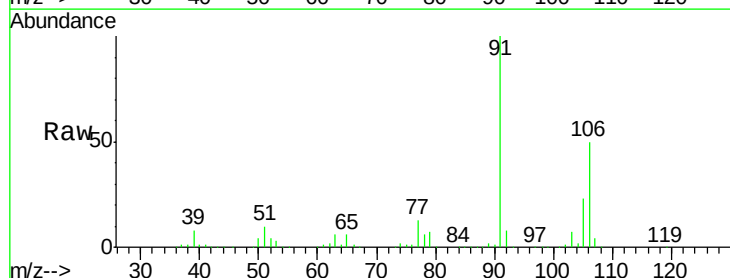
Acq: 06 May 2018 21:12

Tgt Ion: 106 Resp: 269376

Ion Ratio Lower Upper

106 100

91 198.1 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): VU023682.D (-2720) (-)

Ion 91.00 (90.70 to 91.70): VU023682.D (-2720) (-)

9.38

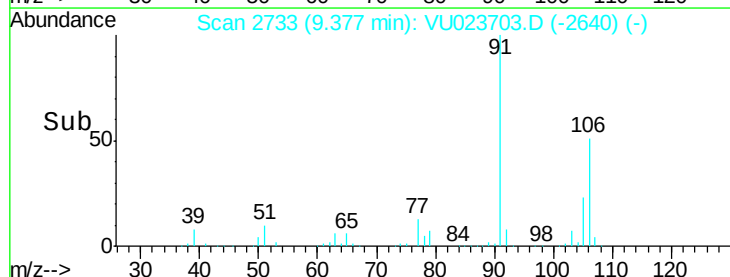
300000

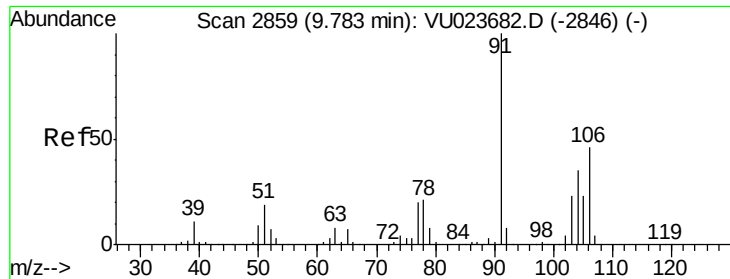
200000

100000

0

Time--> 9.30 9.35 9.40 9.45





#54

o-xylene

Concen: 49.89 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU023703.D

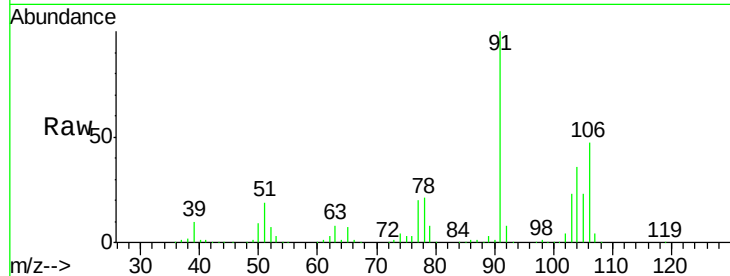
Acq: 06 May 2018 21:12

Tgt Ion:106 Resp: 262824

Ion Ratio Lower Upper

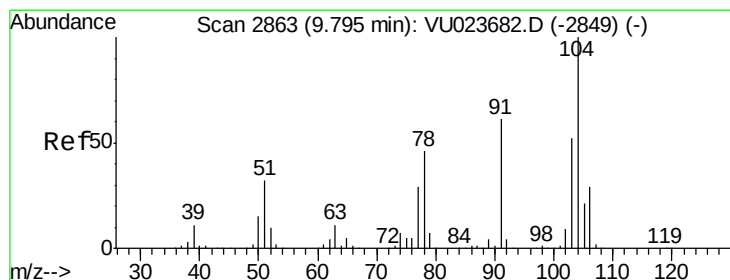
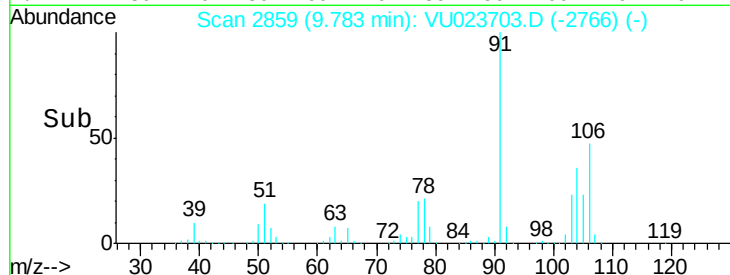
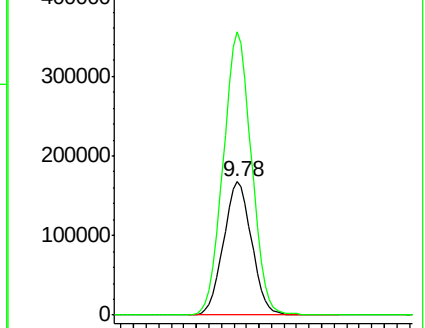
106 100

91 212.1 148.9 276.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.42 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU023703.D

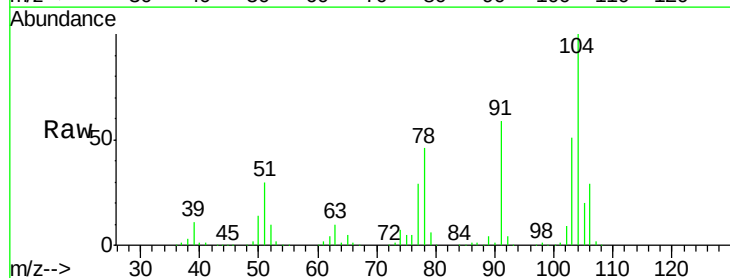
Acq: 06 May 2018 21:12

Tgt Ion:104 Resp: 455472

Ion Ratio Lower Upper

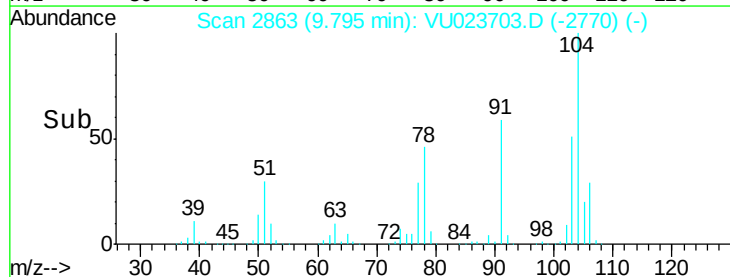
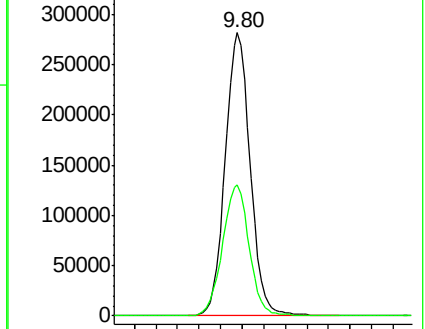
104 100

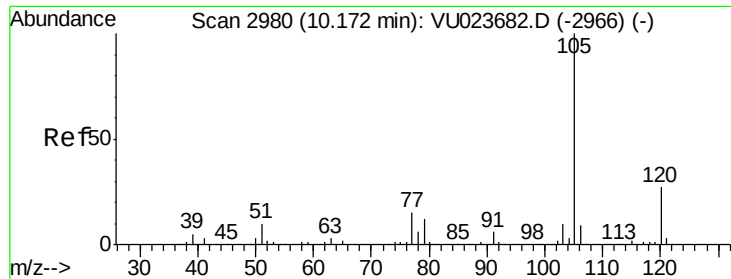
78 46.3 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.63 ug/L

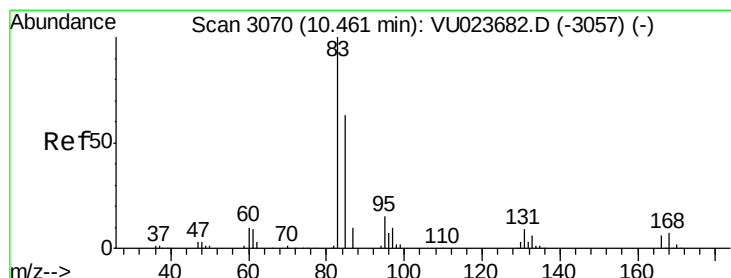
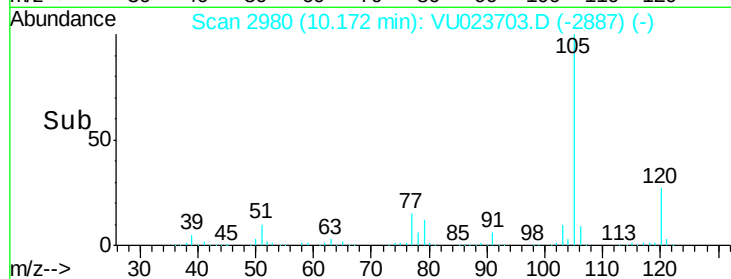
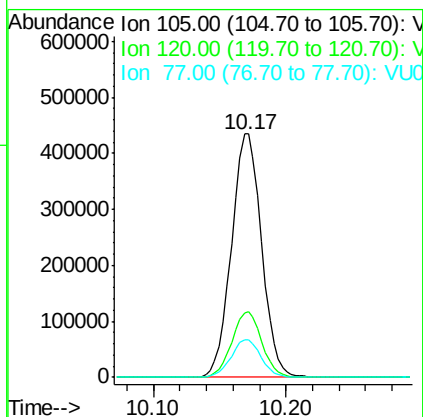
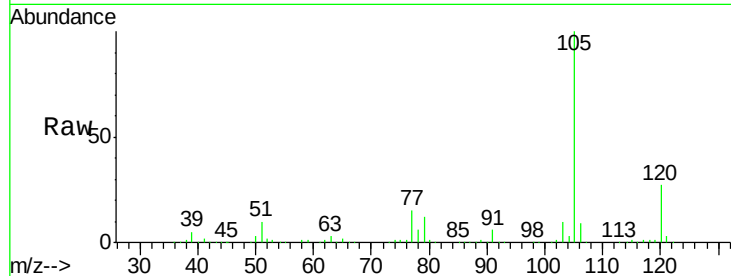
RT: 10.17 min Scan# 2980

Delta R.T. -0.00 min

Lab File: VU023703.D

Acq: 06 May 2018 21:12

Tgt Ion:	105	Resp:	686180
Ion	Ratio	Lower	Upper
105	100		
120	26.8	20.9	31.3
77	15.4	12.6	18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 48.50 ug/L

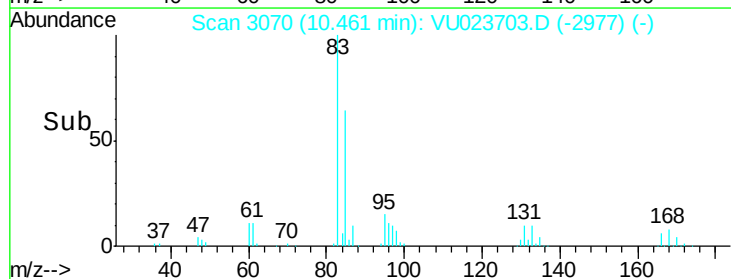
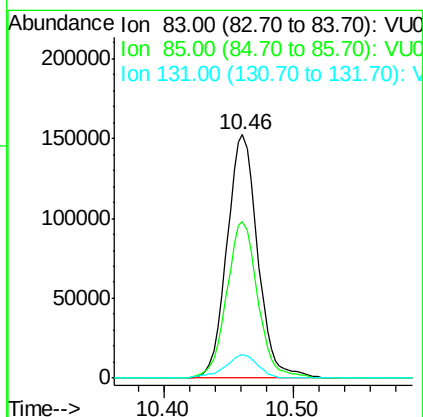
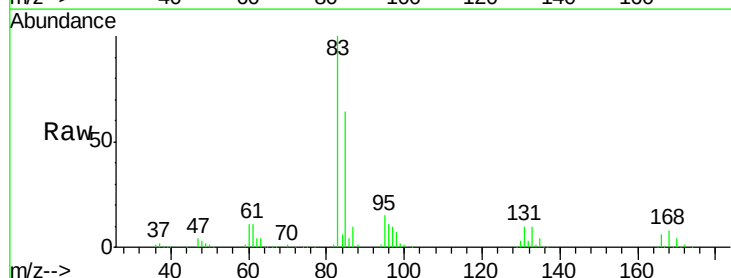
RT: 10.46 min Scan# 3070

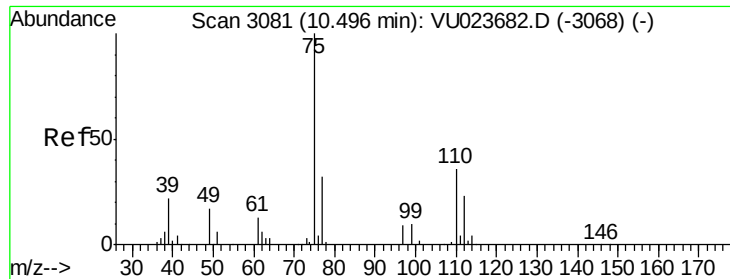
Delta R.T. -0.00 min

Lab File: VU023703.D

Acq: 06 May 2018 21:12

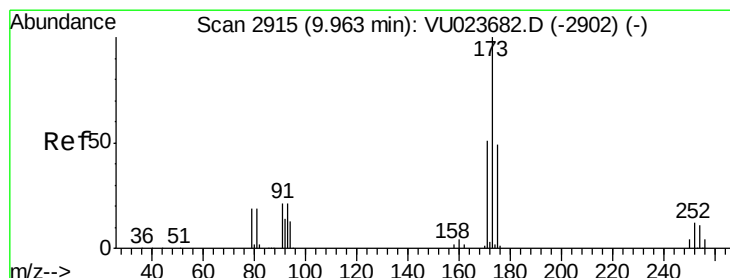
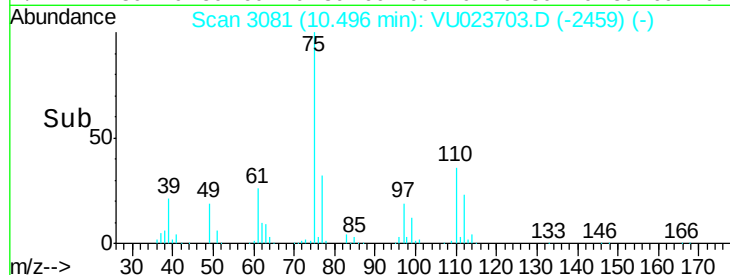
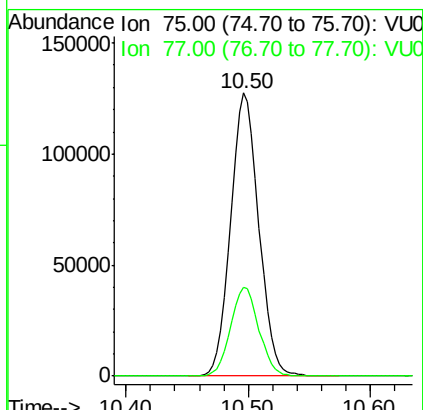
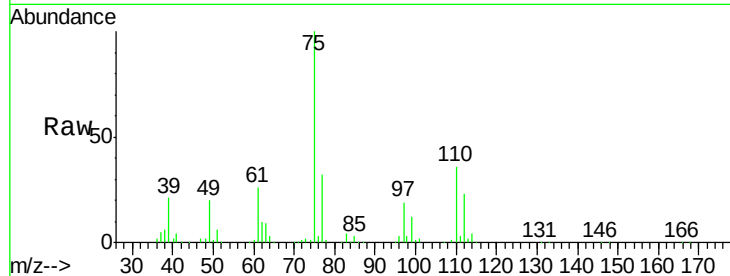
Tgt Ion:	83	Resp:	251609
Ion	Ratio	Lower	Upper
83	100		
85	64.4	45.6	84.6
131	9.6	7.9	11.9





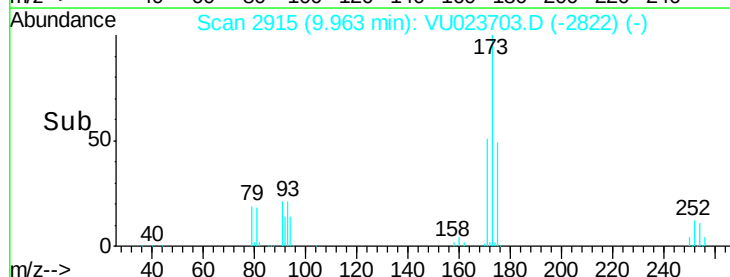
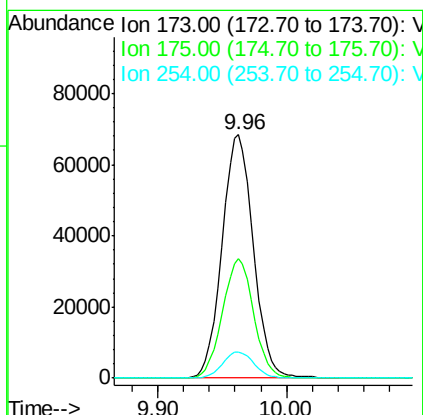
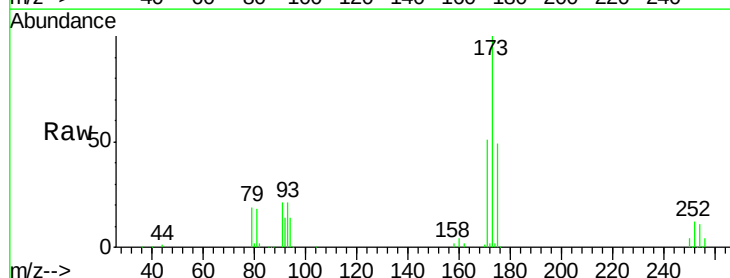
#59
 1,2,3-Trichloropropane
 Concen: 50.00 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

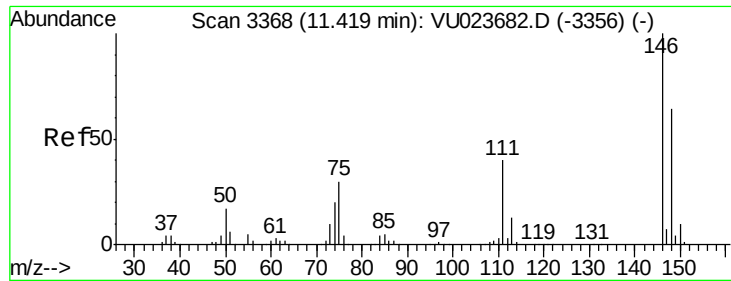
Tgt Ion: 75 Resp: 205293
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.9 38.9



#61
 Bromoform
 Concen: 47.83 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

Tgt Ion: 173 Resp: 115001
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.4
 254 10.9 8.8 13.2





#62

1,3-Dichlorobenzene

Concen: 47.51 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU023703.D

Acq: 06 May 2018 21:12

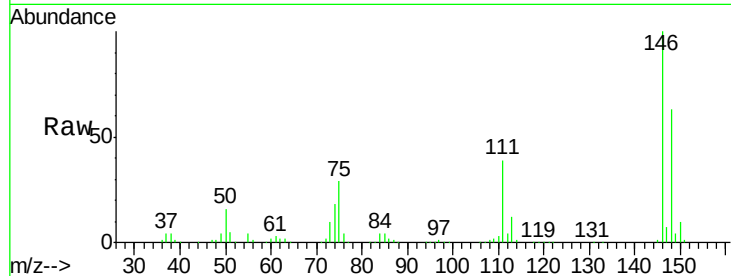
Tgt Ion:146 Resp: 327721

Ion Ratio Lower Upper

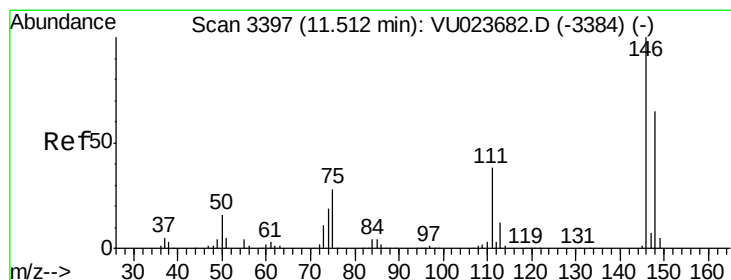
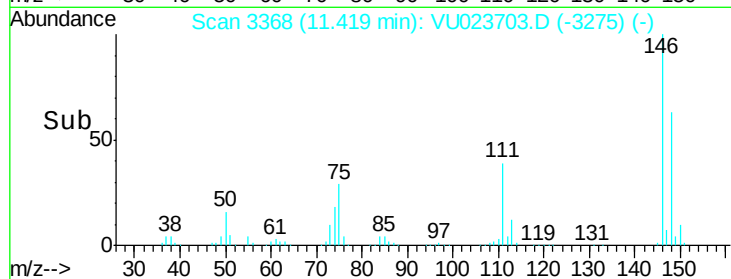
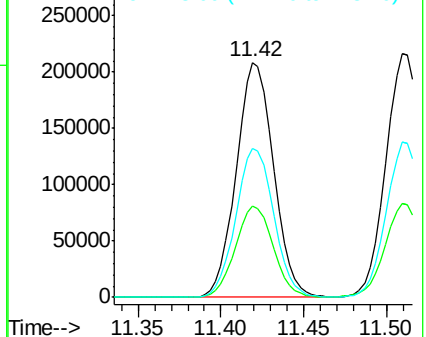
146 100

111 38.9 27.9 51.7

148 63.4 44.4 82.5



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



#63

1,4-Dichlorobenzene

Concen: 47.02 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU023703.D

Acq: 06 May 2018 21:12

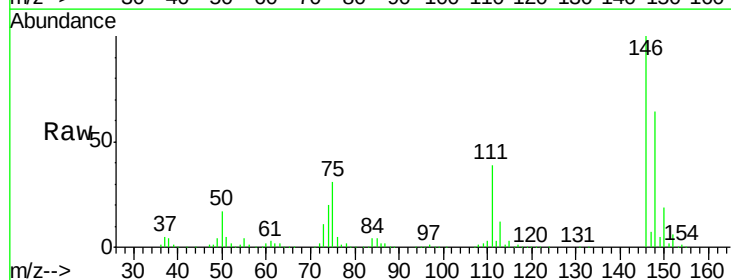
Tgt Ion:146 Resp: 338646

Ion Ratio Lower Upper

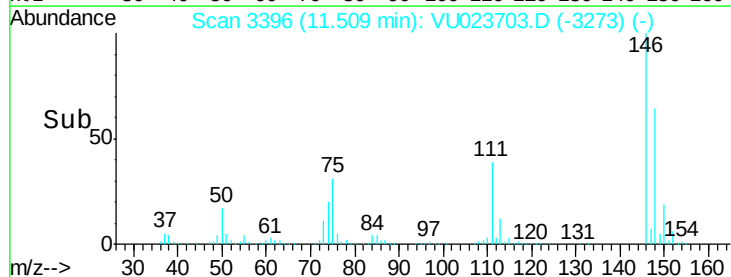
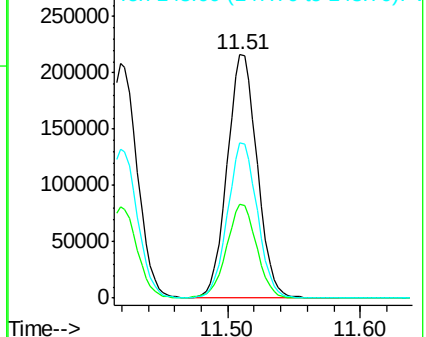
146 100

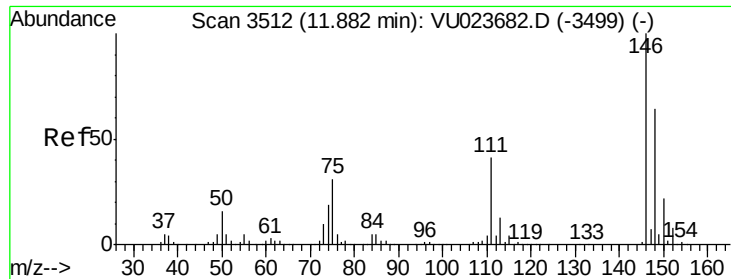
111 38.7 26.8 49.8

148 63.6 44.8 83.2



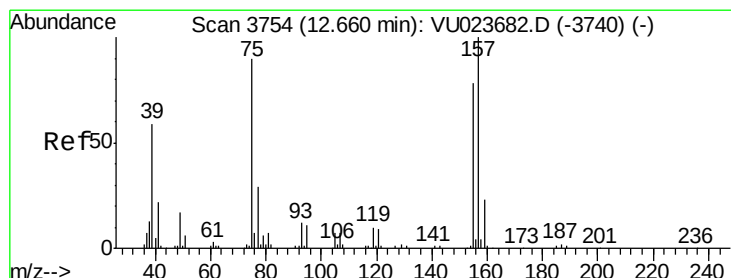
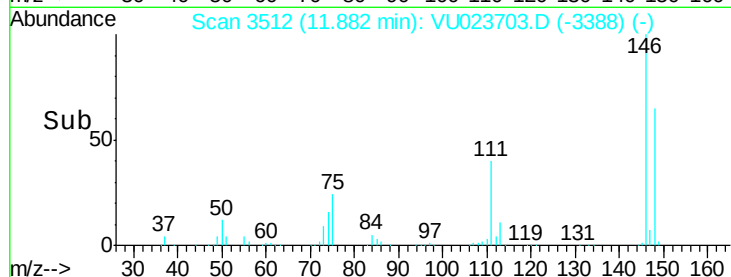
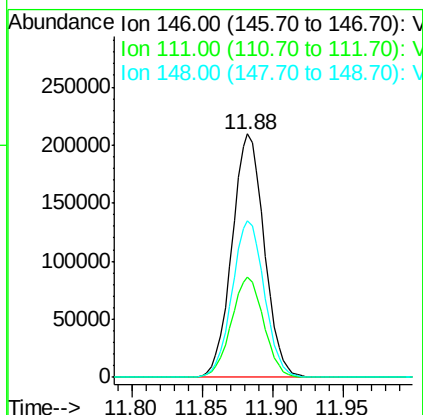
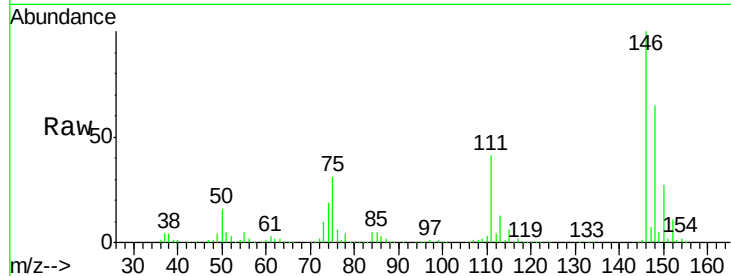
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





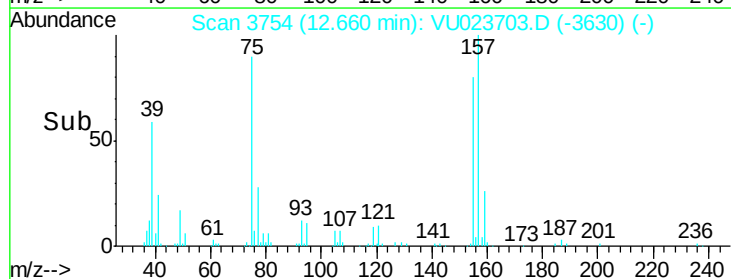
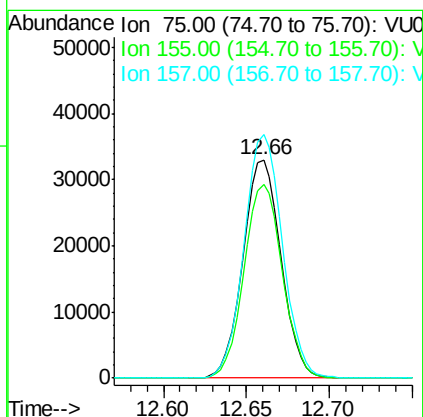
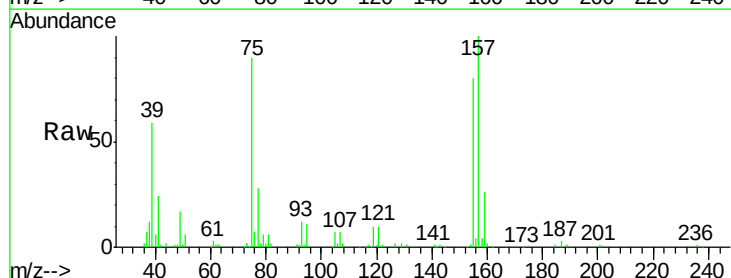
#65
 1,2-Dichlorobenzene
 Concen: 47.50 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

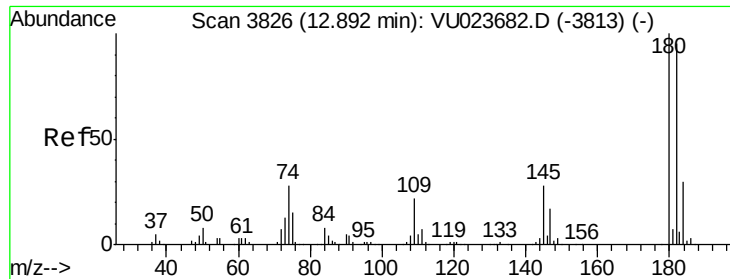
Tgt Ion: 146 Resp: 335175
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.9 49.3
 148 64.6 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.52 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

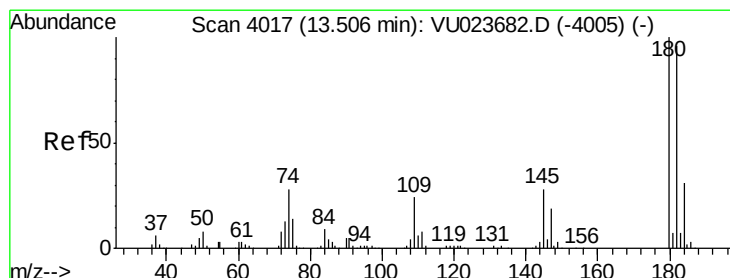
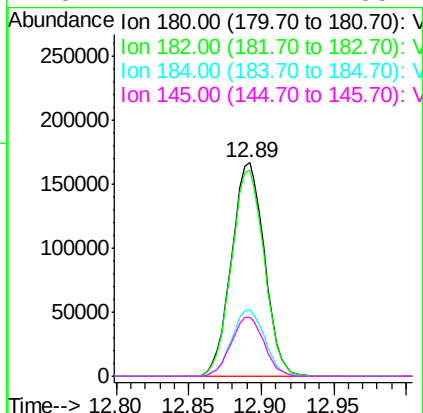
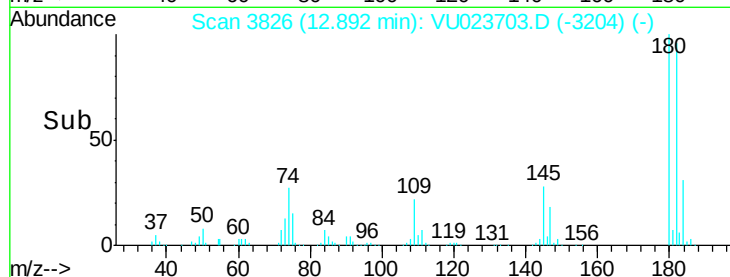
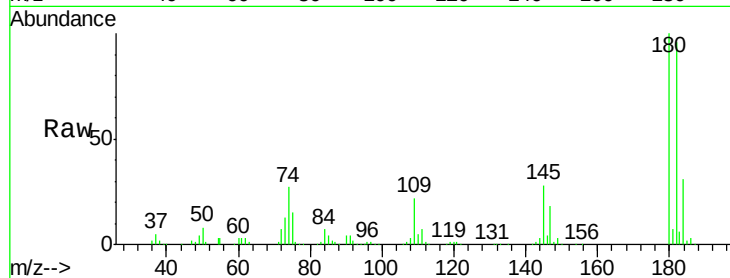
Tgt Ion: 75 Resp: 52787
 Ion Ratio Lower Upper
 75 100
 155 88.7 68.9 103.3
 157 111.5 89.9 134.9





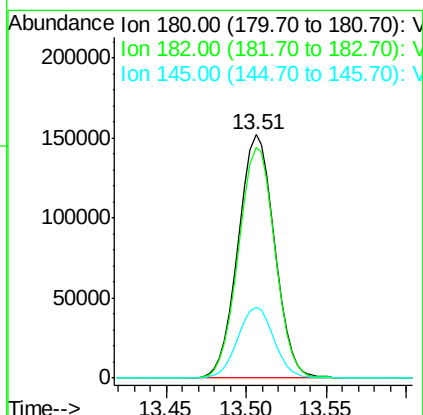
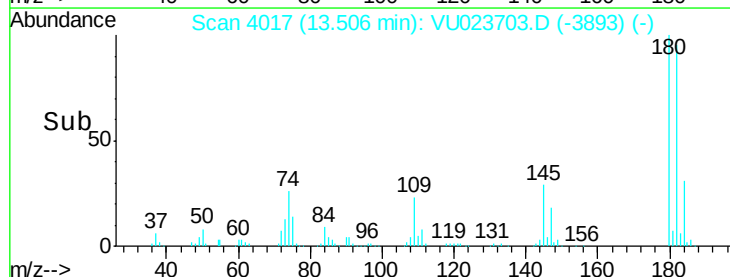
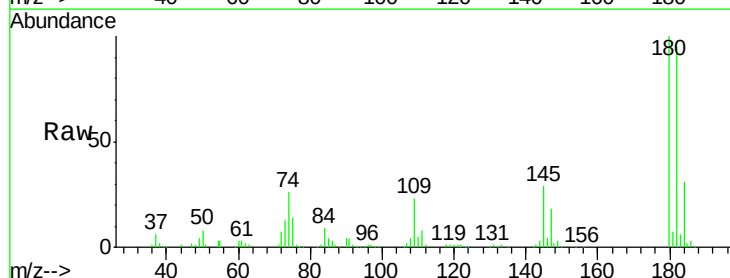
#67
 1,3,5-Trichlorobenzene
 Concen: 45.52 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

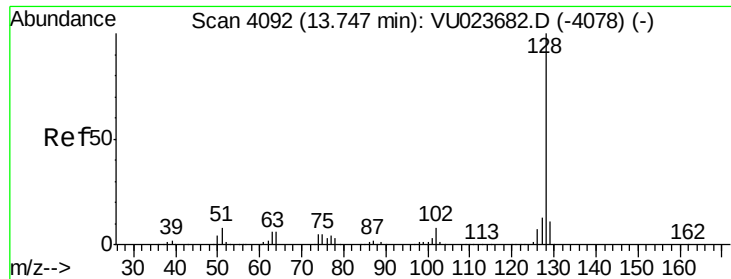
Tgt Ion:	180	Resp:	263020
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.5	114.7
184	31.1	24.1	36.1
145	27.7	22.2	33.4



#68
 1,2,4-trichlorobenzene
 Concen: 47.97 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU023703.D
 Acq: 06 May 2018 21:12

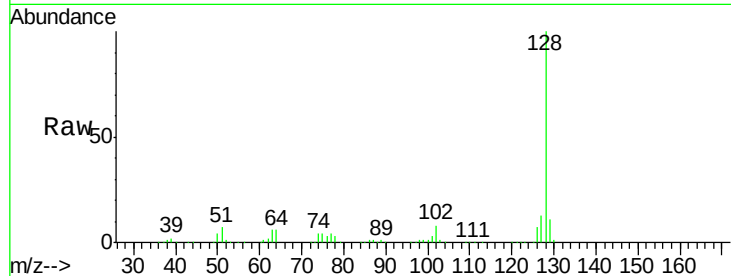
Tgt Ion:	180	Resp:	235405
Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.1	115.7
145	29.0	23.4	35.0



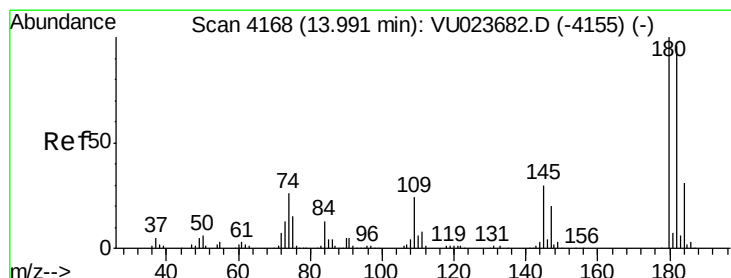
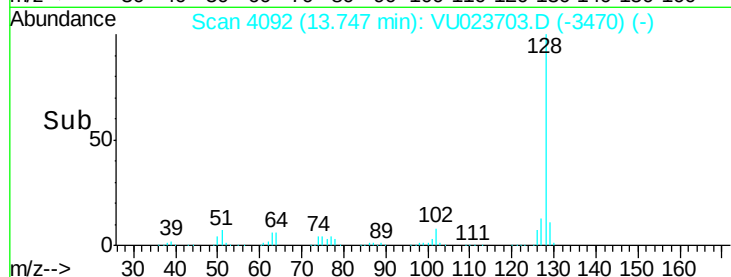
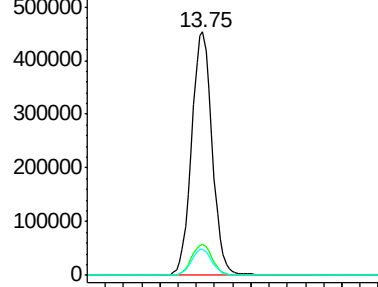


#69
Naphthalene
Concen: 55.25 ug/L
RT: 13.75 min Scan# 4092
Delta R.T. -0.00 min
Lab File: VU023703.D
Acq: 06 May 2018 21:12

Tgt Ion:128 Resp: 711482
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.8 8.6 13.0

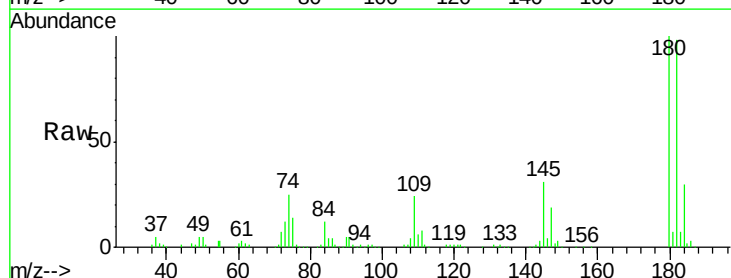


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 48.82 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. -0.00 min
Lab File: VU023703.D
Acq: 06 May 2018 21:12

Tgt Ion:180 Resp: 244099
Ion Ratio Lower Upper
180 100
182 96.9 76.2 114.4
145 30.3 24.3 36.5



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

