

Data File : VU023549.D
Acq On : 01 May 2018 12:37
Operator : MD/SY
Sample : VSTD20041
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 02 02:18:45 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 02 02:16:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	344610	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	332336	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	186730	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	493576	222.22	ug/L	0.00
7) Chloroethane-d5	1.67	69	367432	208.26	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	924044	203.37	ug/L	0.00
21) 2-Butanone-d5	4.17	46	708131	368.08	ug/L	0.00
24) Chloroform-d	4.65	84	855641	196.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	562973	193.28	ug/L	0.00
32) Benzene-d6	5.35	84	1851185	199.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	613172	192.97	ug/L	0.00
41) Toluene-d8	7.57	98	1745734	205.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	292234	215.39	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	547654	392.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	815691	195.13	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.87	152	720597	188.55	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	701122	207.80	ug/L	99
3) Chloromethane	1.33	50	744196	175.85	ug/L	100
5) Vinyl chloride	1.40	62	713595	202.37	ug/L	98
6) Bromomethane	1.61	94	380296	229.75	ug/L	99
8) Chloroethane	1.69	64	403711	198.27	ug/L	99
9) Trichlorofluoromethane	1.88	101	797524	202.48	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	495178	196.50	ug/L	99
12) 1,1-Dichloroethene	2.28	96	457863	197.83	ug/L	98
13) Acetone	2.32	43	778927	412.69	ug/L	100
14) Carbon disulfide	2.48	76	1672434	212.81	ug/L	100
15) Methyl Acetate	2.61	43	622014	185.54	ug/L	100
16) Methylene chloride	2.70	84	572520	189.65	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	535468	211.89	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	1644181	209.13	ug/L	100
19) 1,1-Dichloroethane	3.45	63	1031070	199.16	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	600562	212.60	ug/L	98
22) 2-Butanone	4.26	43	979146	392.68	ug/L	98
23) Bromochloromethane	4.55	128	291899	204.78	ug/L	100
25) Chloroform	4.68	83	1017124	204.08	ug/L	98
27) 1,2-Dichloroethane	5.41	62	784410	196.90	ug/L	100
29) Cyclohexane	5.00	56	1045588	210.80	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	820757	200.69	ug/L	99
31) Carbon tetrachloride	5.14	117	727963	206.10	ug/L	99
33) Benzene	5.39	78	2269050	196.15	ug/L	100
34) Trichloroethene	6.19	95	581683	207.85	ug/L	99
35) Methylcyclohexane	6.42	83	1009444	213.12	ug/L	99
37) 1,2-Dichloropropane	6.44	63	640533	194.22	ug/L	99
38) Bromodichloromethane	6.76	83	747396	203.68	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	991618	218.93	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1693065	391.30	ug/L	100

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ALS Vial : 6 Sample Multiplier: 1

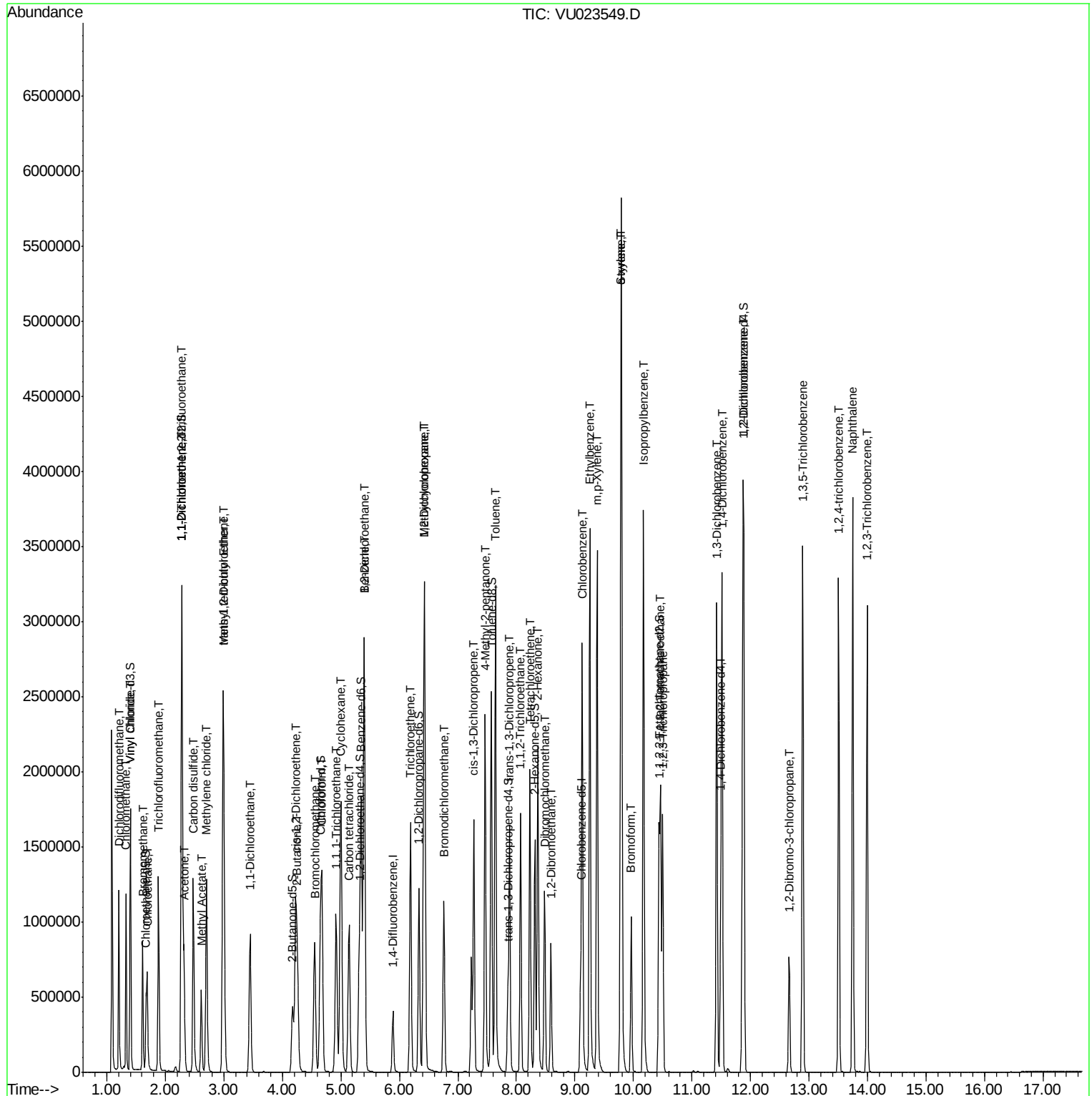
Quant Time: May 02 02:18:45 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 02 02:16:14 2018
Response via : Initial Calibration

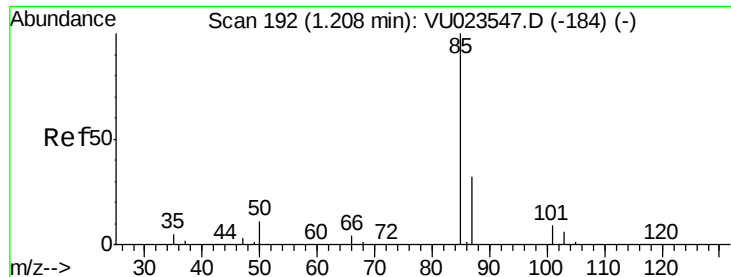
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	2398411	206.43	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	897090	220.85	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	539234	195.91	ug/L	98
46) Tetrachloroethene	8.23	164	473687	212.51	ug/L	99
48) 2-Hexanone	8.36	43	1430184	409.61	ug/L	100
49) Dibromochloromethane	8.48	129	612906	213.72	ug/L	99
50) 1,2-Dibromoethane	8.59	107	564955	200.77	ug/L	100
51) Chlorobenzene	9.12	112	1551102	208.30	ug/L	99
52) Ethylbenzene	9.26	91	2702415	217.26	ug/L	100
53) m,p-Xylene	9.38	106	1027952	221.88	ug/L	99
54) o-xylene	9.78	106	987239	217.13	ug/L	98
55) Styrene	9.80	104	1742180	225.01	ug/L	99
56) Isopropylbenzene	10.17	105	2581054	217.90	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	926423	197.52	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	717351	190.15	ug/L	100
61) Bromoform	9.96	173	463838	193.15	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	1293903	204.36	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	1327598	202.18	ug/L	100
65) 1,2-Dichlorobenzene	11.89	146	1286134	191.84	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	187808	169.19	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	1094430	215.14	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	1013811	229.54	ug/L	99
69) Naphthalene	13.75	128	2858901	207.00	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	984295	206.12	ug/L	100

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

ALS Vial : 6 Sample Multiplier: 1

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 207.80 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU023549.D

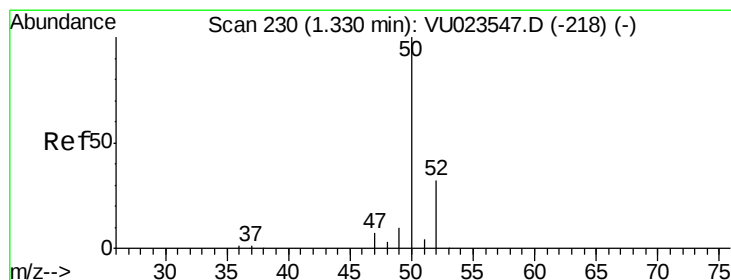
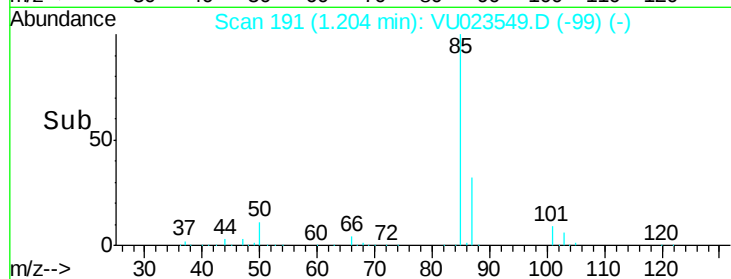
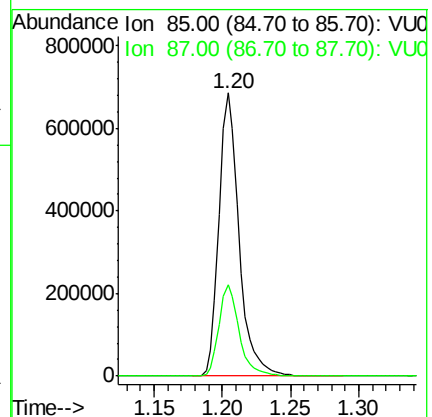
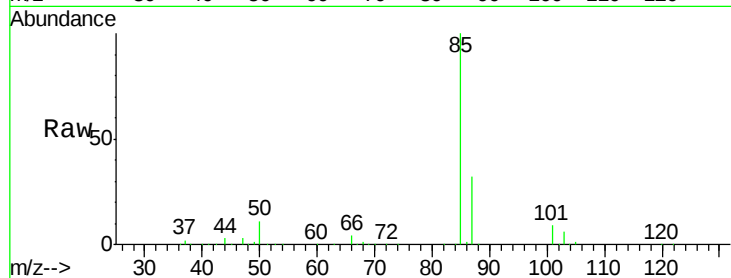
Acq: 01 May 2018 12:37

Tgt Ion: 85 Resp: 701122

Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4



#3

Chloromethane

Concen: 175.85 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU023549.D

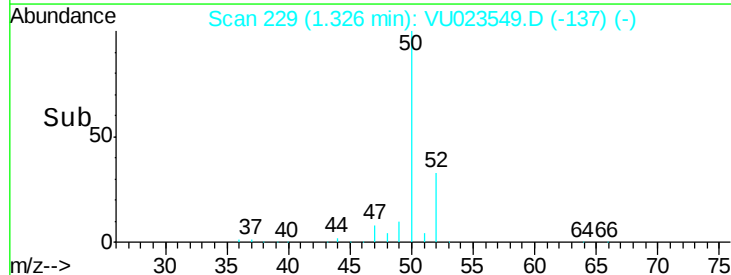
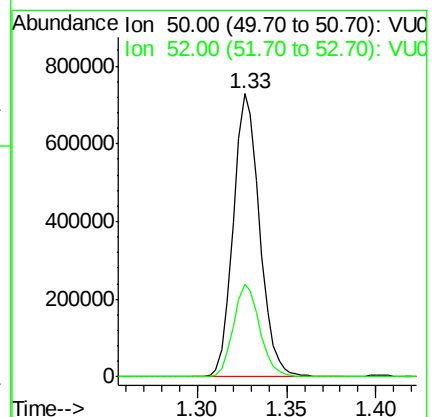
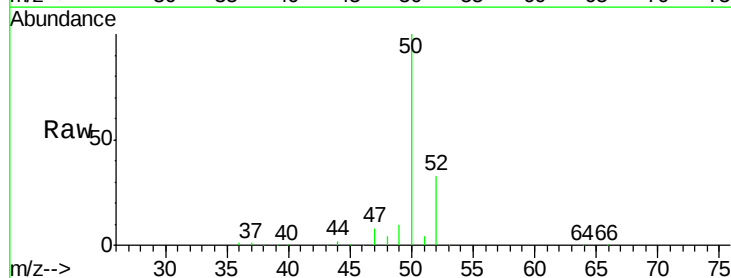
Acq: 01 May 2018 12:37

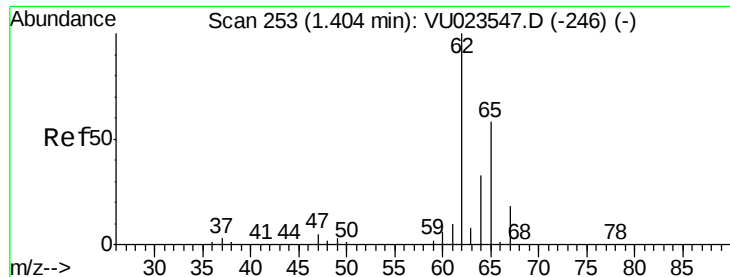
Tgt Ion: 50 Resp: 744196

Ion Ratio Lower Upper

50 100

52 32.6 22.7 42.1





#5

Vinyl chloride

Concen: 202.37 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023549.D

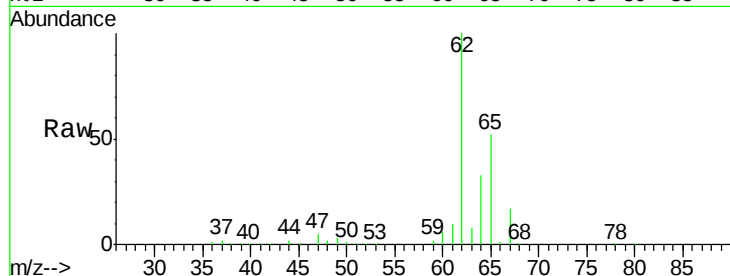
Acq: 01 May 2018 12:37

Tgt Ion: 62 Resp: 713595

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

800000

600000

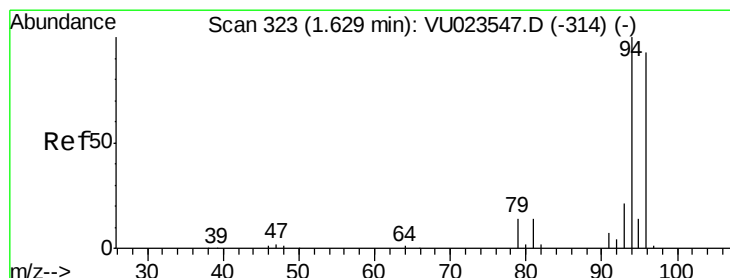
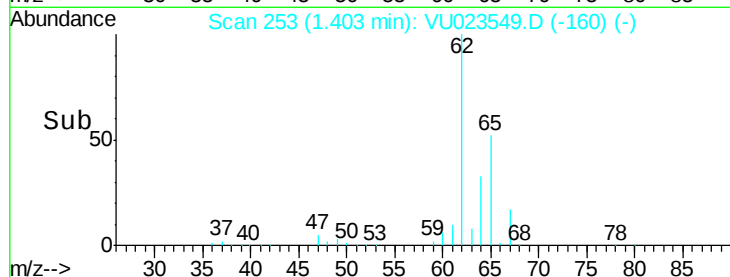
400000

200000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 229.75 ug/L

RT: 1.61 min Scan# 318

Delta R.T. -0.02 min

Lab File: VU023549.D

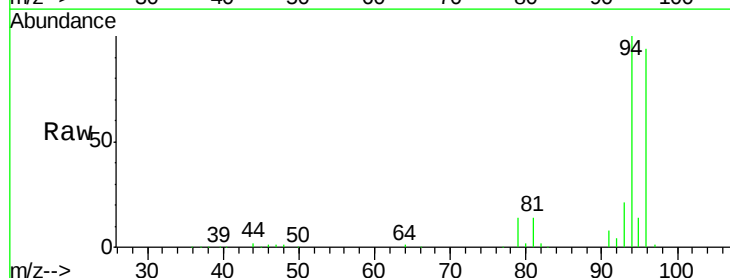
Acq: 01 May 2018 12:37

Tgt Ion: 94 Resp: 380296

Ion Ratio Lower Upper

94 100

96 94.4 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

300000

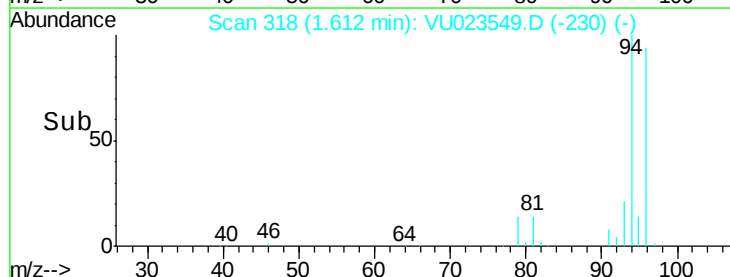
200000

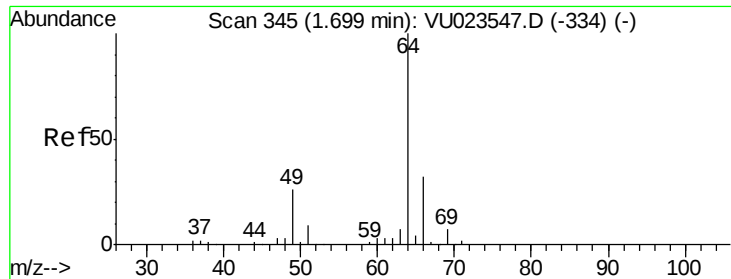
100000

0

1.55 1.60 1.65

Time-->





#8

Chloroethane

Concen: 198.27 ug/L

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU023549.D

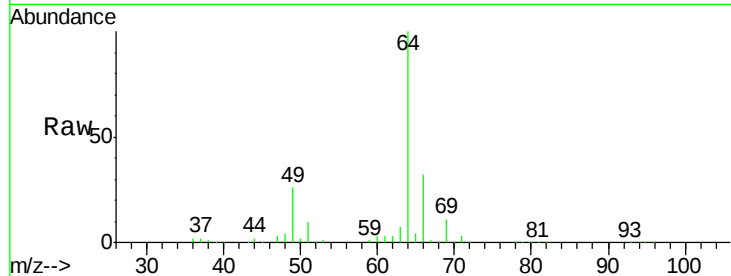
Acq: 01 May 2018 12:37

Tgt Ion: 64 Resp: 403711

Ion Ratio Lower Upper

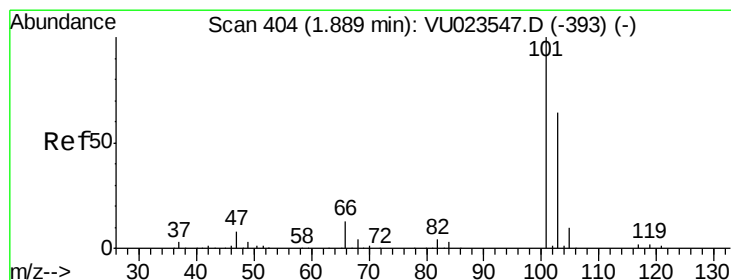
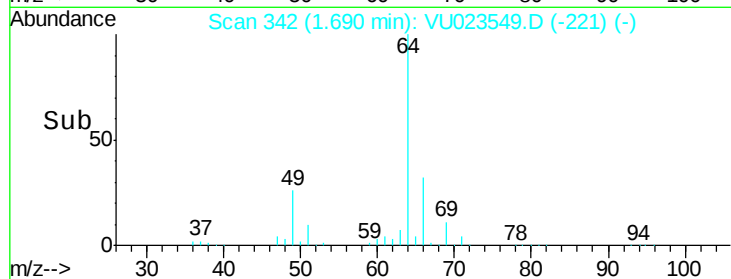
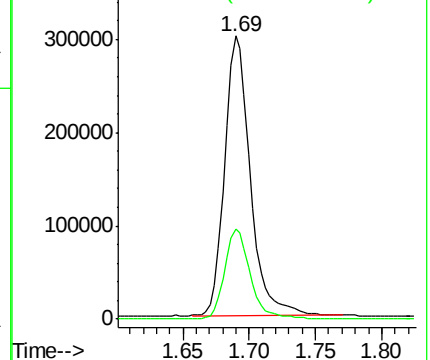
64 100

66 31.8 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: 202.48 ug/L

RT: 1.88 min Scan# 402

Delta R.T. -0.01 min

Lab File: VU023549.D

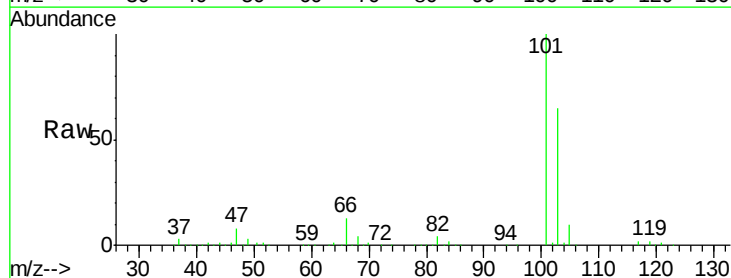
Acq: 01 May 2018 12:37

Tgt Ion: 101 Resp: 797524

Ion Ratio Lower Upper

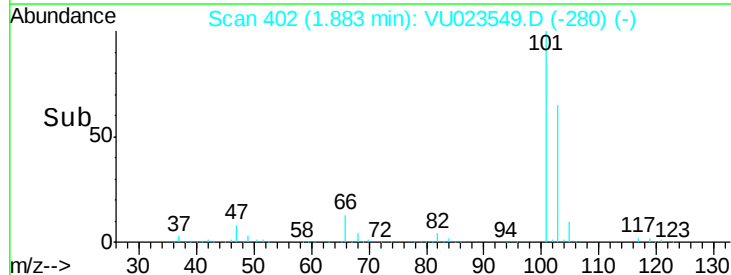
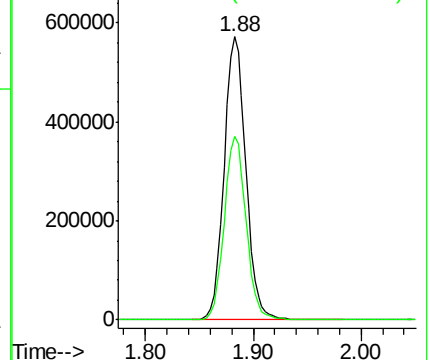
101 100

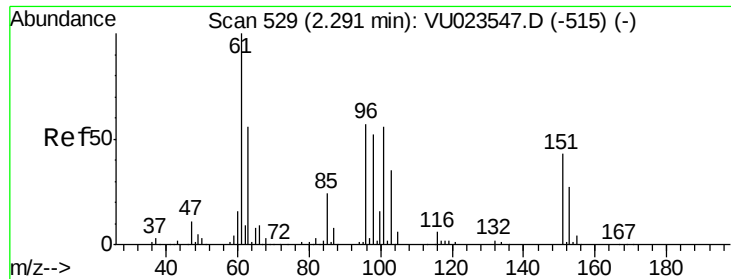
103 65.1 52.2 78.4



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: 196.50 ug/L

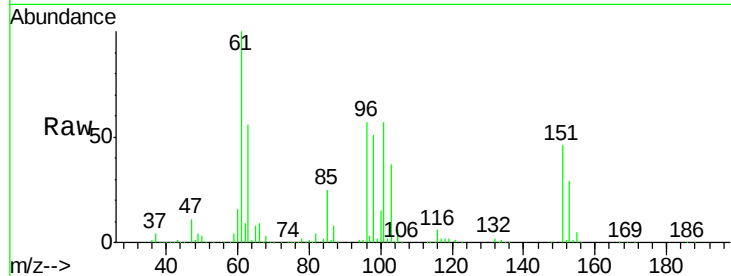
RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

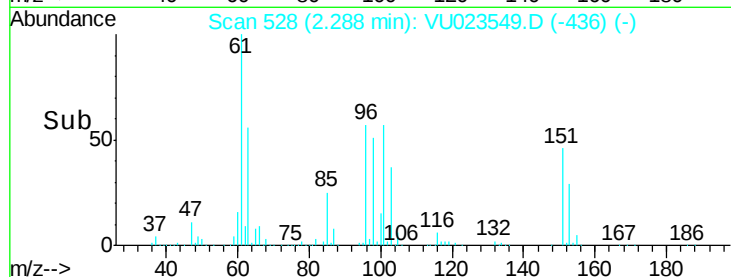
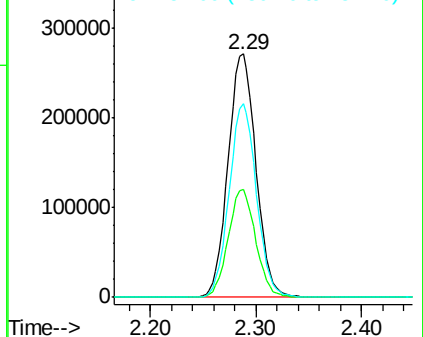
Tgt Ion:	101	Resp:	495178
Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.9	52.3
151	77.9	61.0	91.6



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: 197.83 ug/L

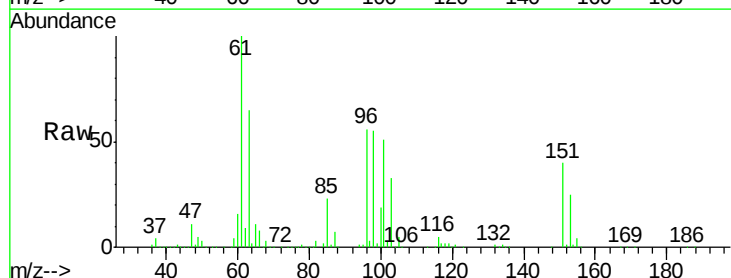
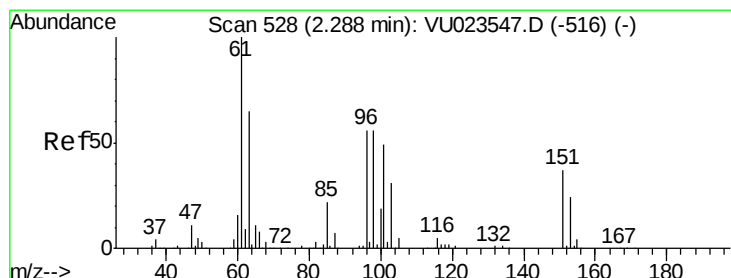
RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

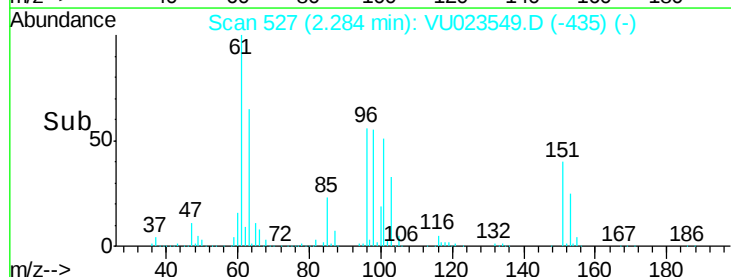
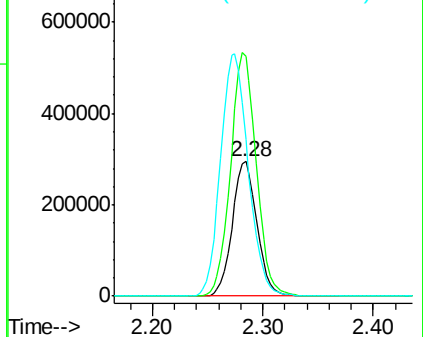
Tgt Ion:	96	Resp:	457863
Ion	Ratio	Lower	Upper
96	100		
61	178.3	125.9	233.7
63	116.6	84.8	157.6

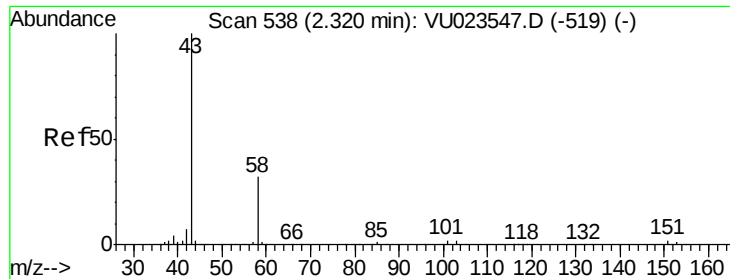


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 412.69 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU023549.D

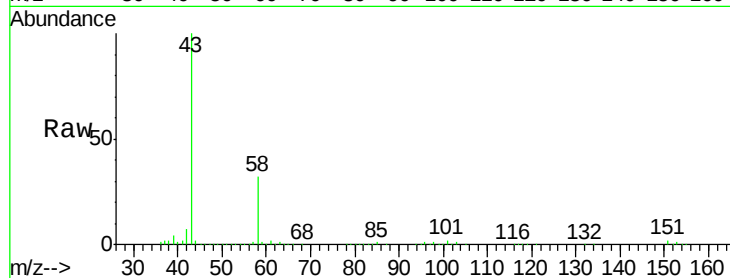
Acq: 01 May 2018 12:37

Tgt Ion: 43 Resp: 778927

Ion Ratio Lower Upper

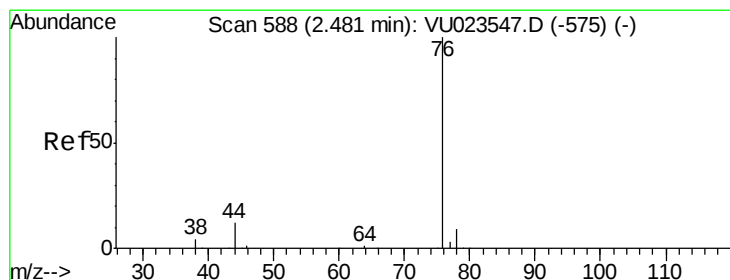
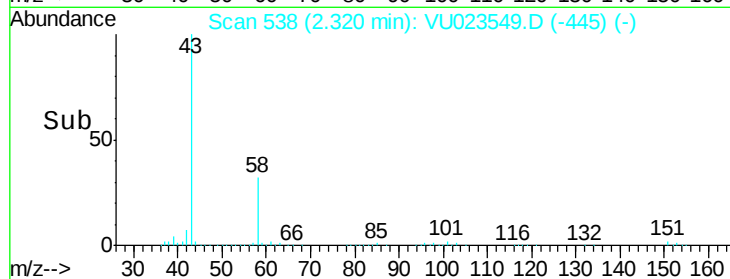
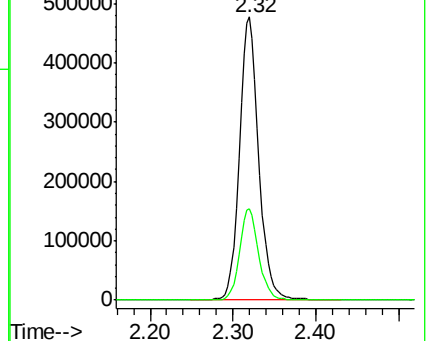
43 100

58 32.2 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 212.81 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU023549.D

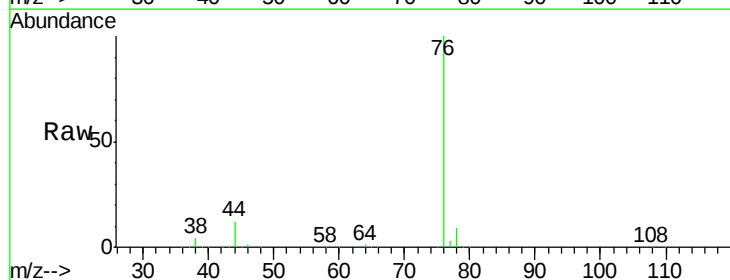
Acq: 01 May 2018 12:37

Tgt Ion: 76 Resp: 1672434

Ion Ratio Lower Upper

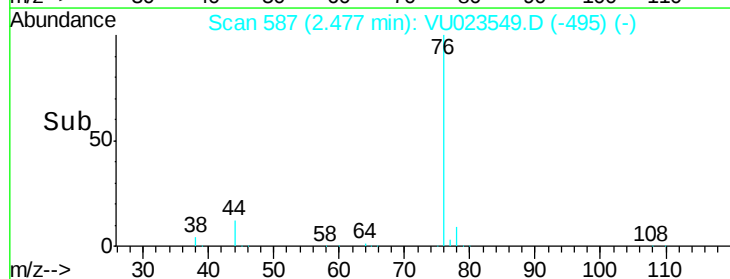
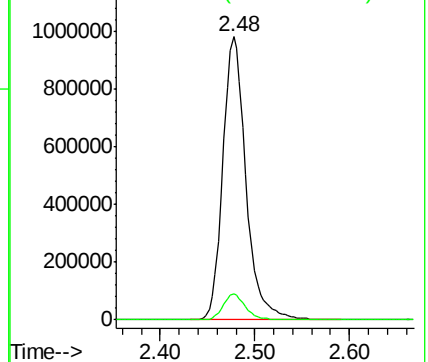
76 100

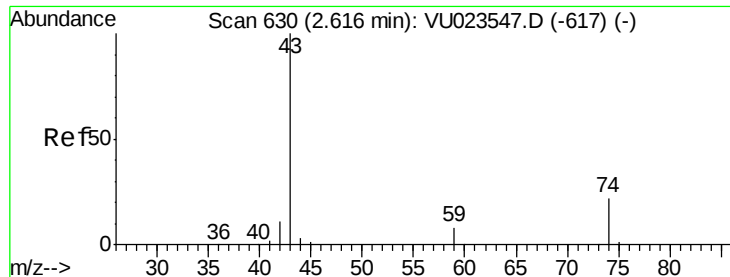
78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

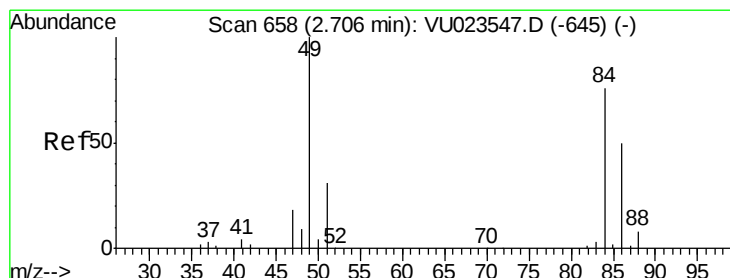
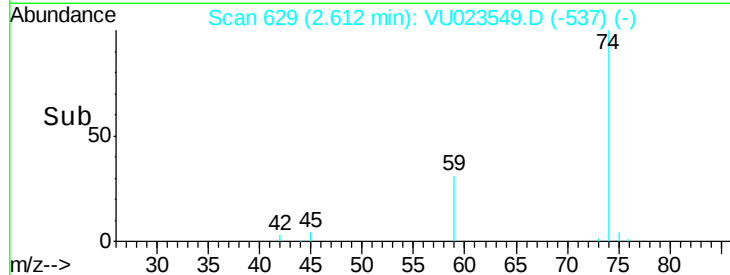
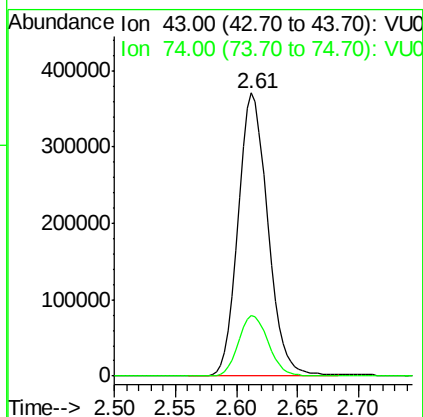
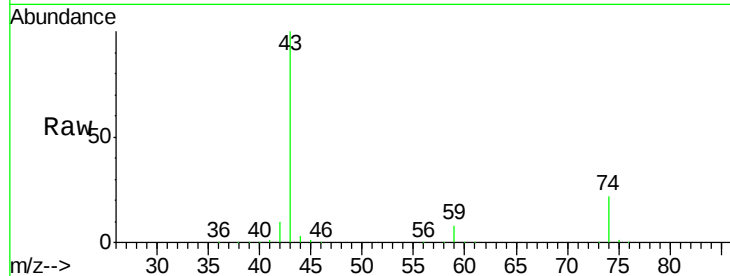
Ion 78.00 (77.70 to 78.70): VU0





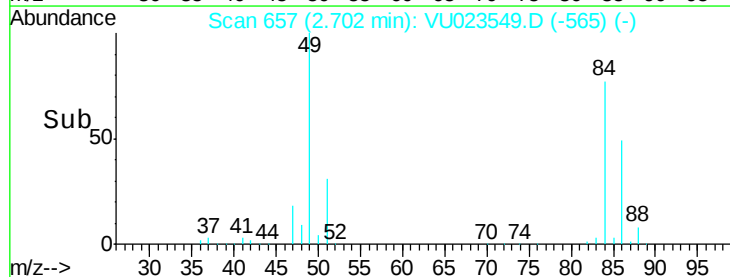
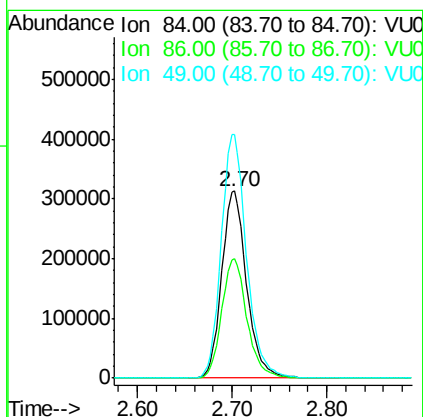
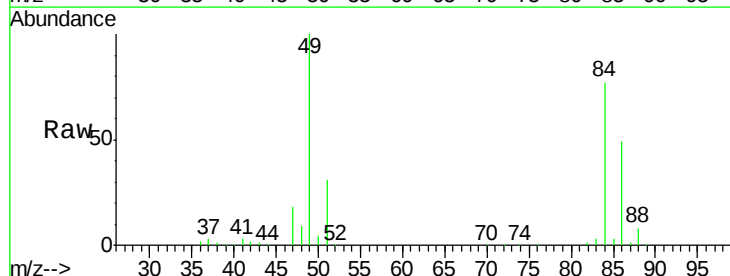
#15
Methyl Acetate
Concen: 185.54 ug/L
RT: 2.61 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU023549.D
Acq: 01 May 2018 12:37

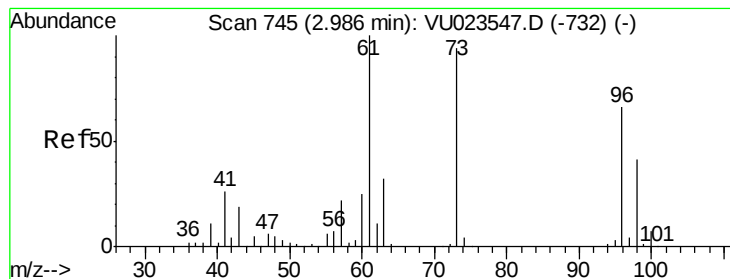
Tgt Ion: 43 Resp: 622014
Ion Ratio Lower Upper
43 100
74 21.8 17.5 26.3



#16
Methylene chloride
Concen: 189.65 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023549.D
Acq: 01 May 2018 12:37

Tgt Ion: 84 Resp: 572520
Ion Ratio Lower Upper
84 100
86 64.0 45.6 84.8
49 130.1 91.9 170.7





#17

trans-1,2-Dichloroethene

Concen: 211.89 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

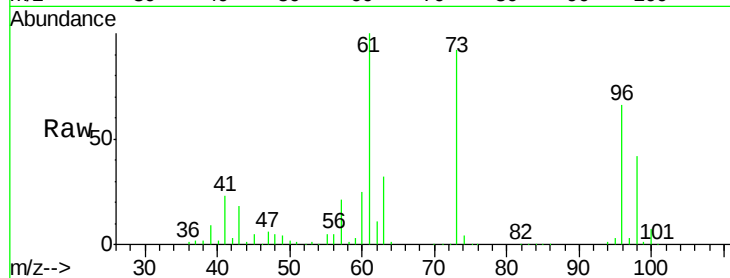
Tgt Ion: 96 Resp: 535468

Ion Ratio Lower Upper

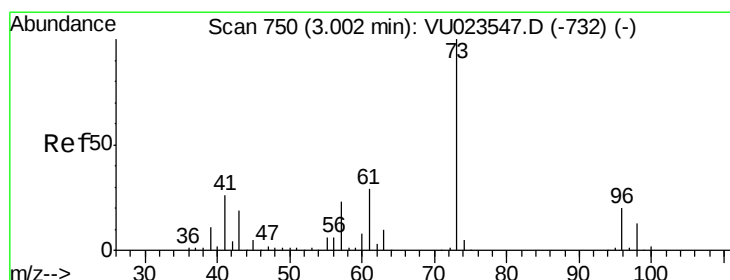
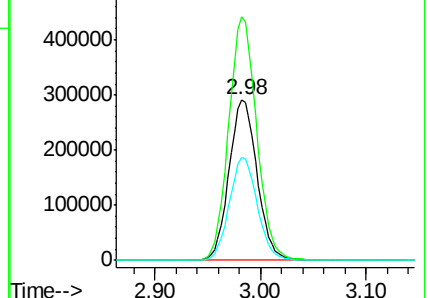
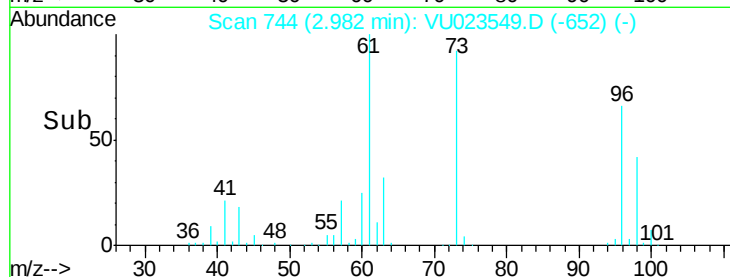
96 100

61 151.6 106.9 198.5

98 63.7 44.2 82.2



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: 209.13 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

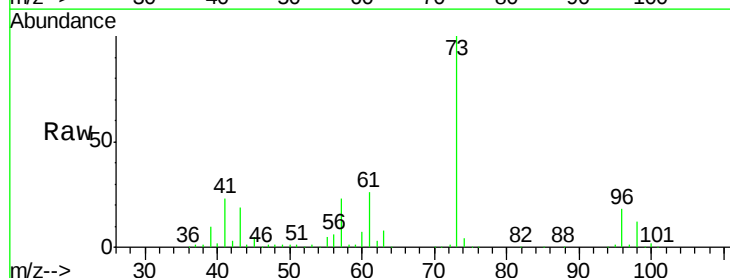
Tgt Ion: 73 Resp: 1644181

Ion Ratio Lower Upper

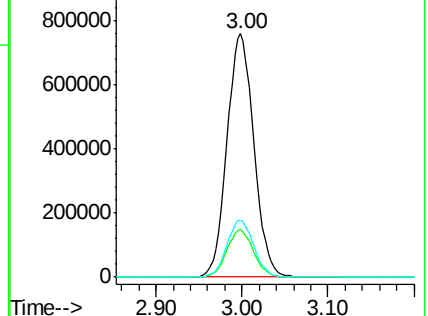
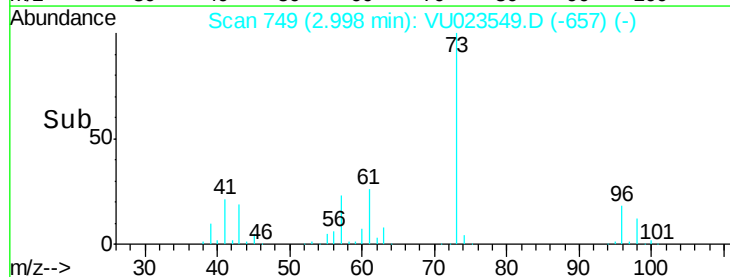
73 100

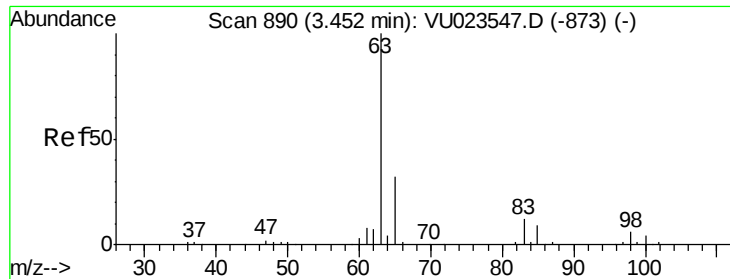
43 19.3 15.5 23.3

57 23.3 18.5 27.7



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: 199.16 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

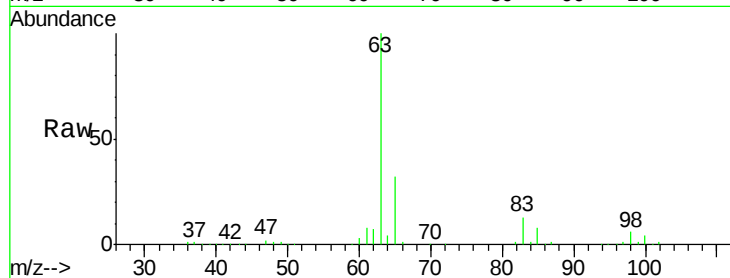
Tgt Ion: 63 Resp: 1031070

Ion Ratio Lower Upper

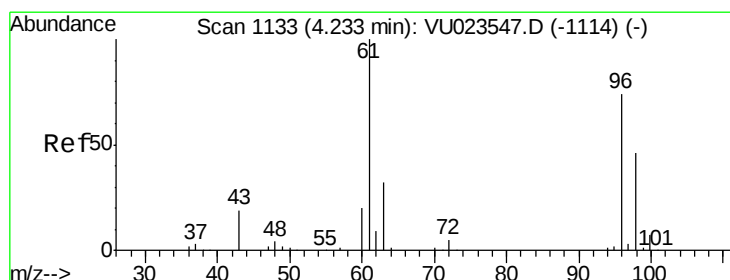
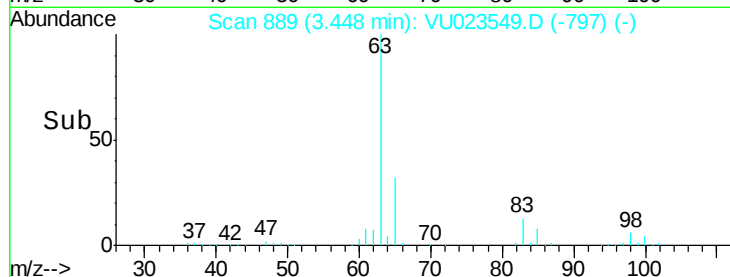
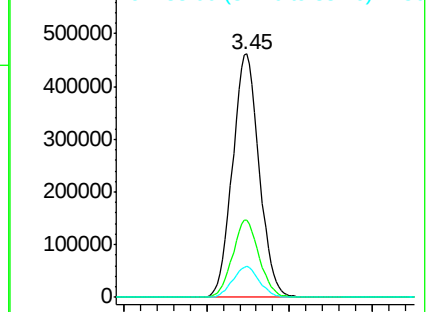
63 100

65 31.7 22.3 41.5

83 12.7 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: 212.60 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

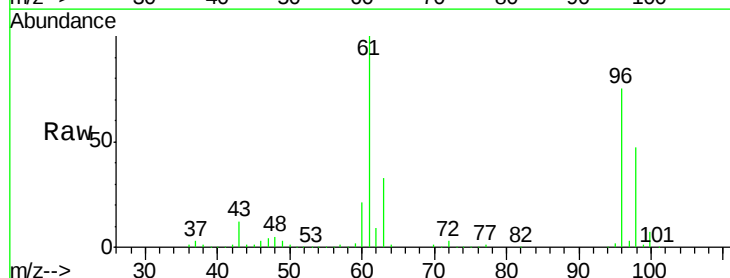
Tgt Ion: 96 Resp: 600562

Ion Ratio Lower Upper

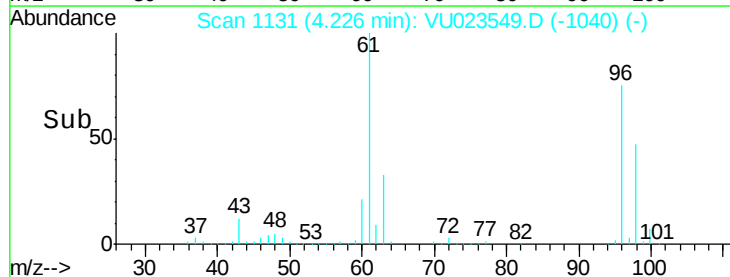
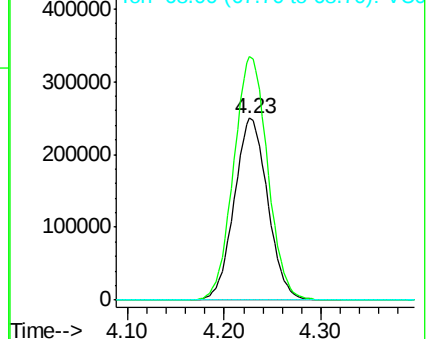
96 100

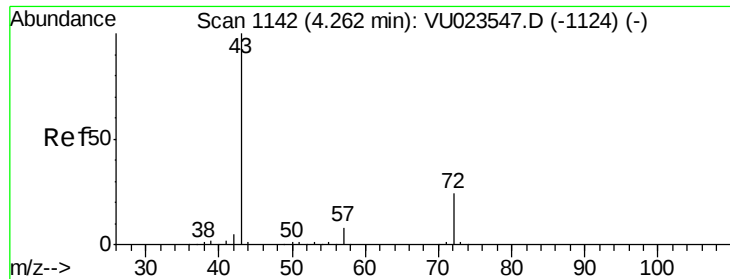
61 133.7 95.3 177.1

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: 392.68 ug/L

RT: 4.26 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VU023549.D

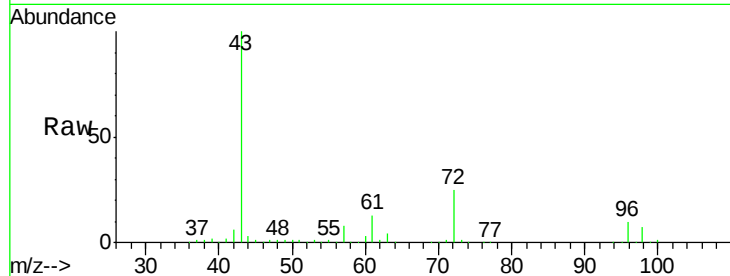
Acq: 01 May 2018 12:37

Tgt Ion: 43 Resp: 979146

Ion Ratio Lower Upper

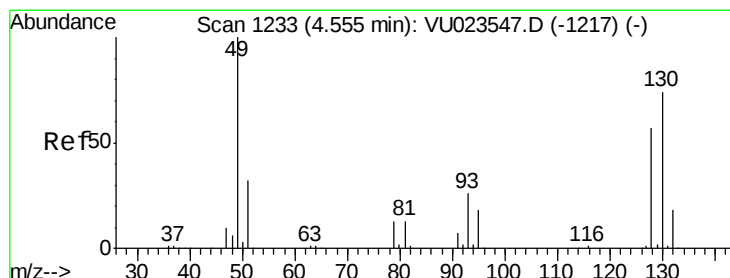
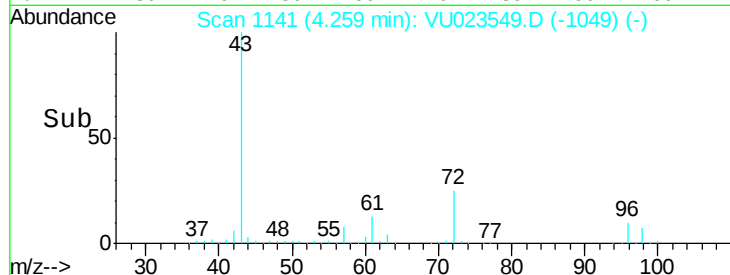
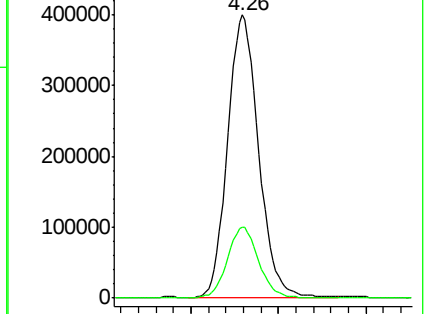
43 100

72 25.5 12.3 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 204.78 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

Tgt Ion: 128 Resp: 291899

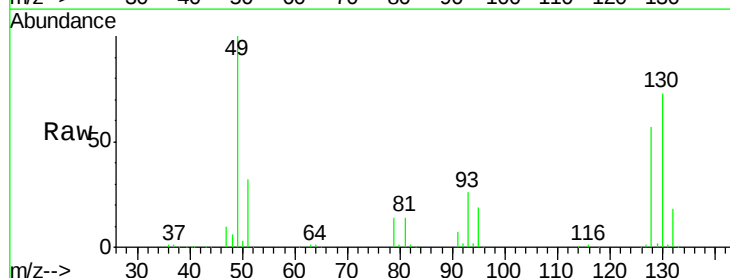
Ion Ratio Lower Upper

128 100

49 176.7 123.7 229.7

130 129.6 90.6 168.3

51 56.0 45.0 67.6

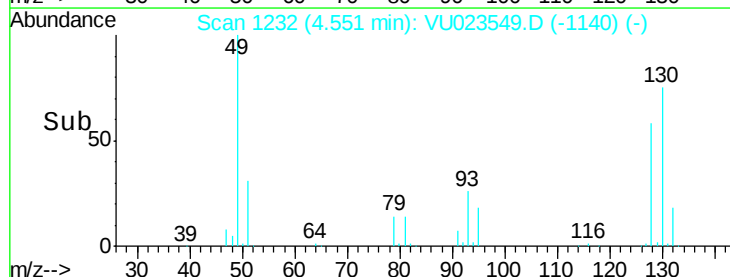
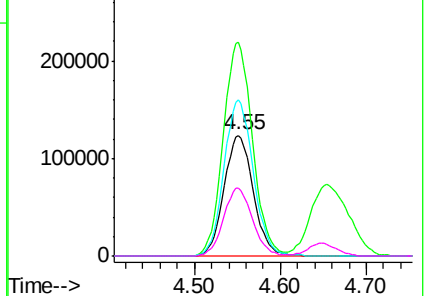


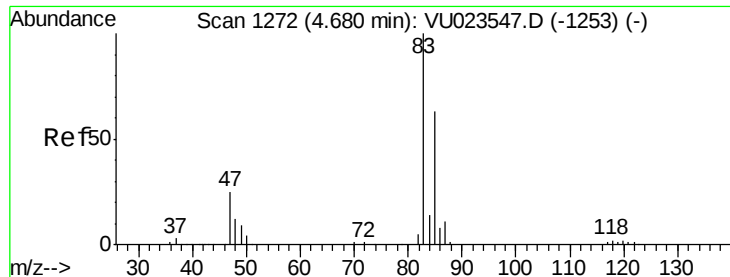
Abundance Ion 128.00 (127.70 to 128.70): V

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: 204.08 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU023549.D

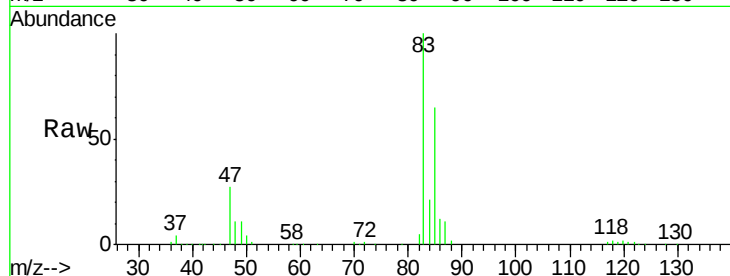
Acq: 01 May 2018 12:37

Tgt Ion: 83 Resp: 1017124

Ion Ratio Lower Upper

83 100

85 65.2 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.68

400000

300000

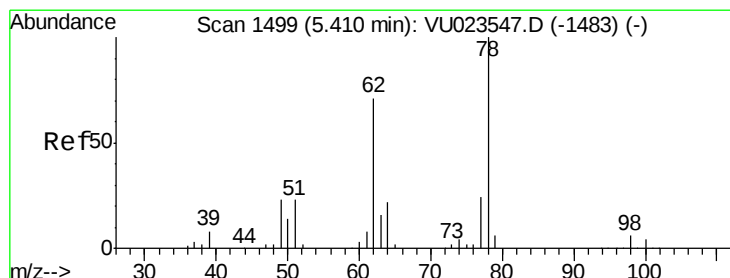
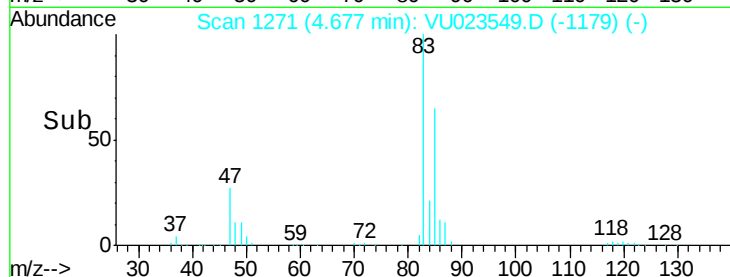
200000

100000

0

Time-->

4.60 4.70 4.80



#27

1,2-Dichloroethane

Concen: 196.90 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU023549.D

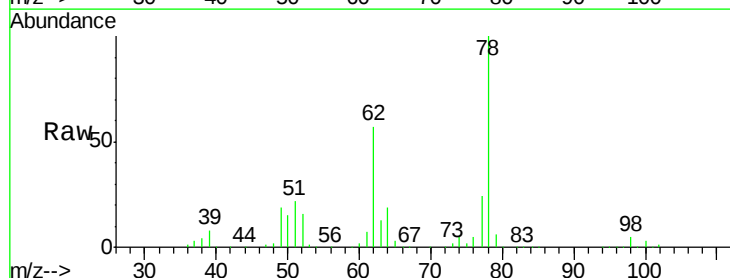
Acq: 01 May 2018 12:37

Tgt Ion: 62 Resp: 784410

Ion Ratio Lower Upper

62 100

98 9.0 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.41

400000

300000

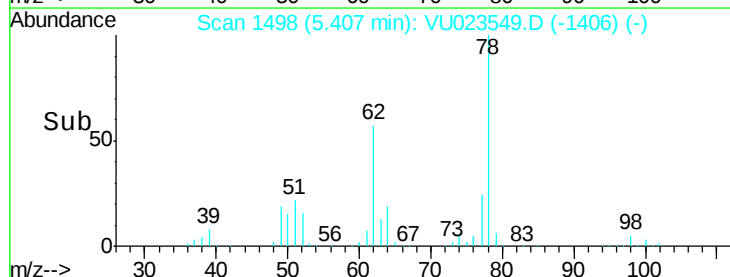
200000

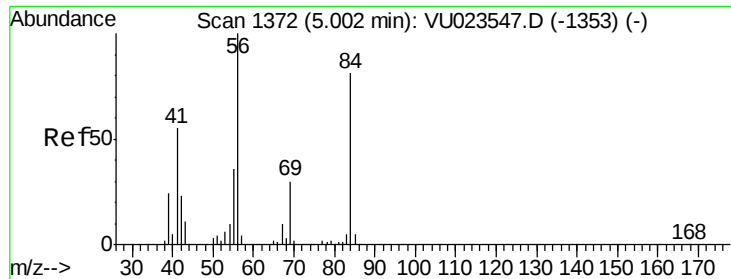
100000

0

Time-->

5.30 5.40 5.50 5.60

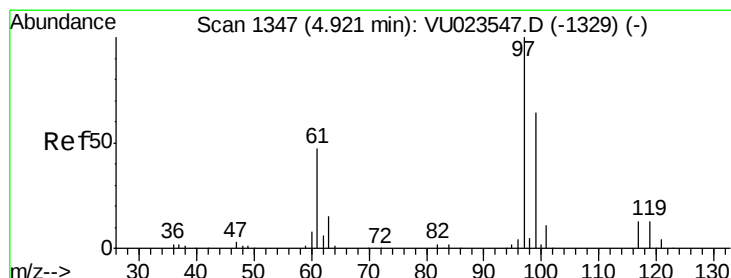
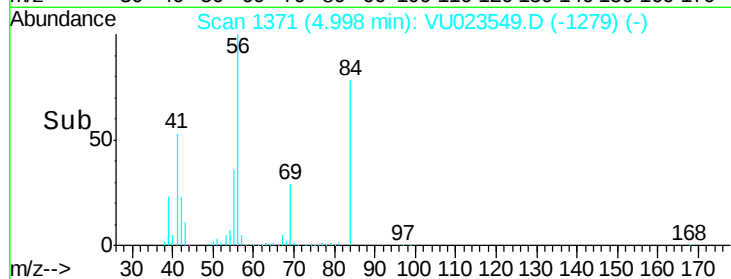
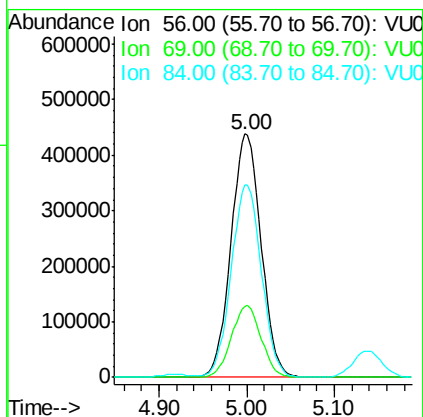
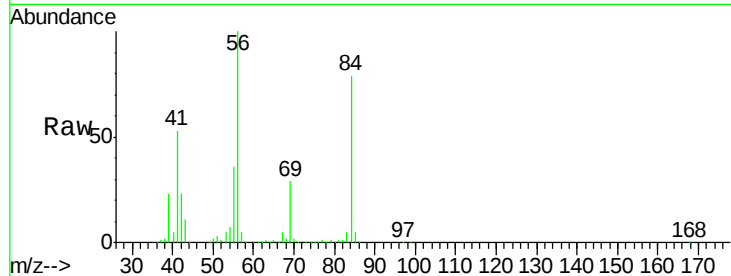




#29
Cyclohexane
Concen: 210.80 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU023549.D
Acq: 01 May 2018 12:37

Tgt Ion: 56 Resp: 1045588

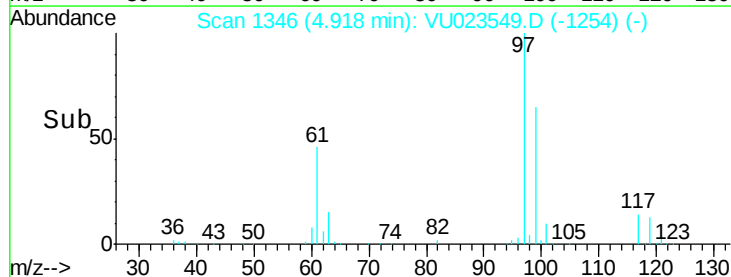
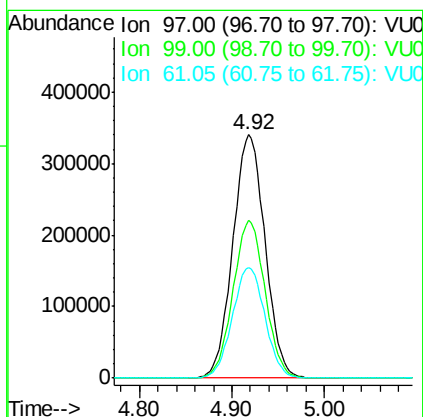
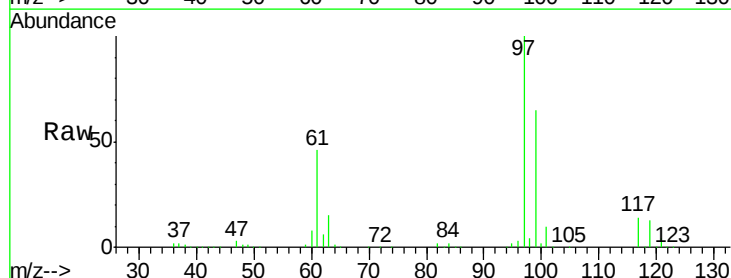
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.5	35.3
84	79.6	63.8	95.8

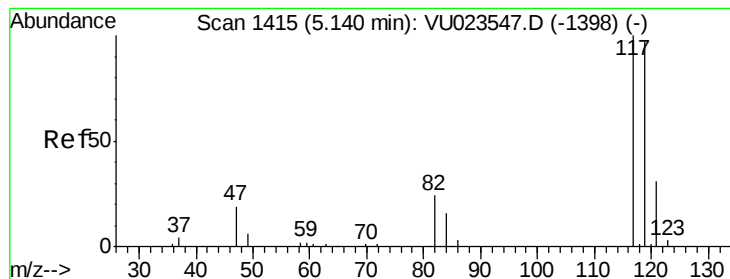


#30
1,1,1-Trichloroethane
Concen: 200.69 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU023549.D
Acq: 01 May 2018 12:37

Tgt Ion: 97 Resp: 820757

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	46.0	37.7	56.5





#31

Carbon tetrachloride

Concen: 206.10 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU023549.D

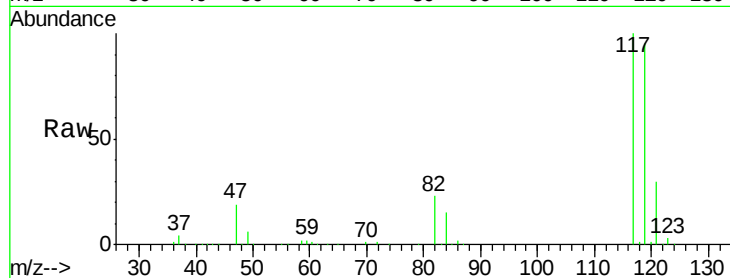
Acq: 01 May 2018 12:37

Tgt Ion: 117 Resp: 727963

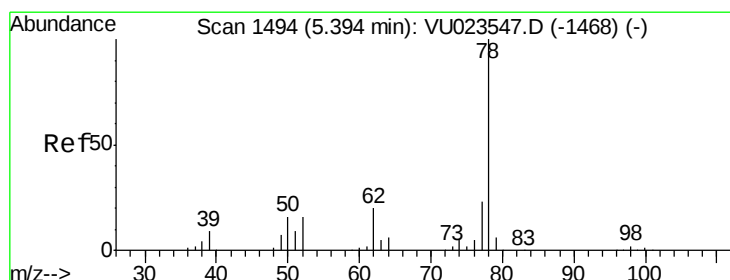
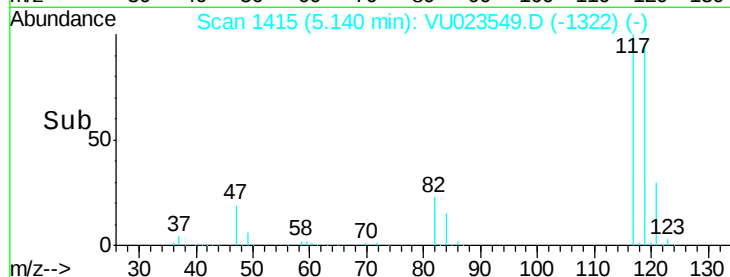
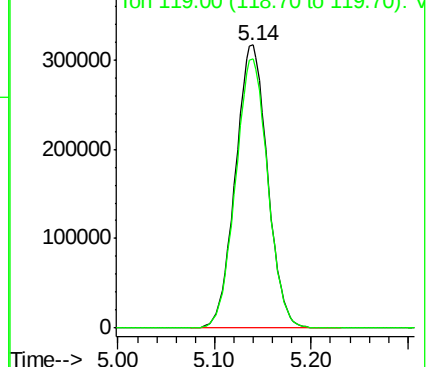
Ion Ratio Lower Upper

117 100

119 95.8 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V



#33

Benzene

Concen: 196.15 ug/L

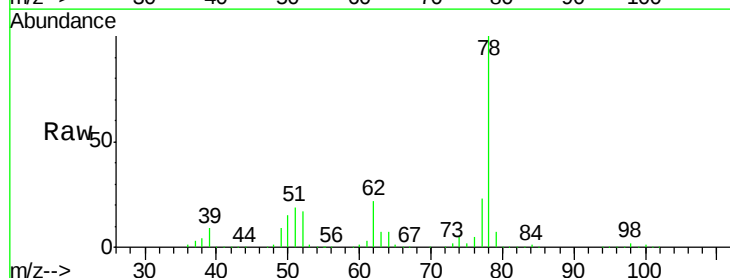
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

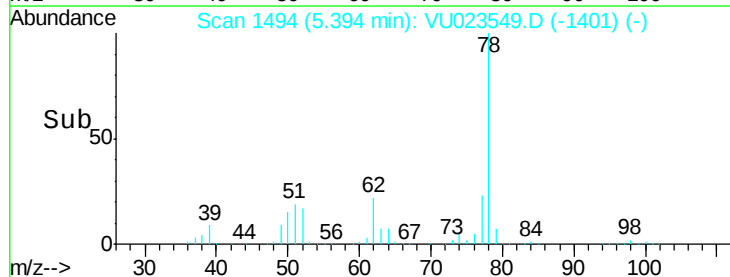
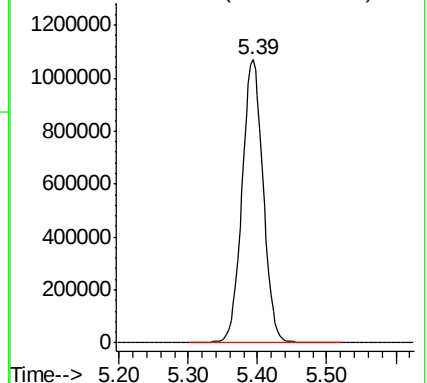
Lab File: VU023549.D

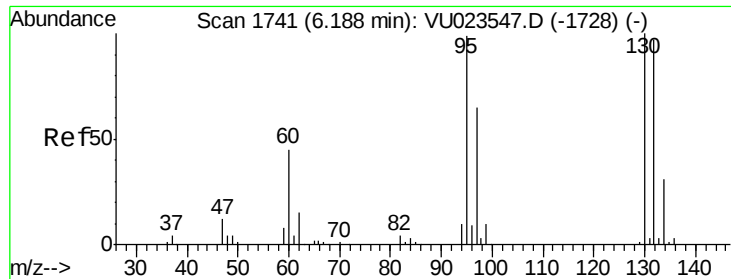
Acq: 01 May 2018 12:37

Tgt Ion: 78 Resp: 2269050



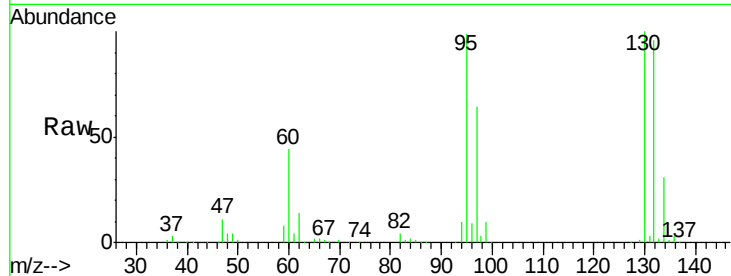
Abundance Ion 78.00 (77.70 to 78.70): VU0



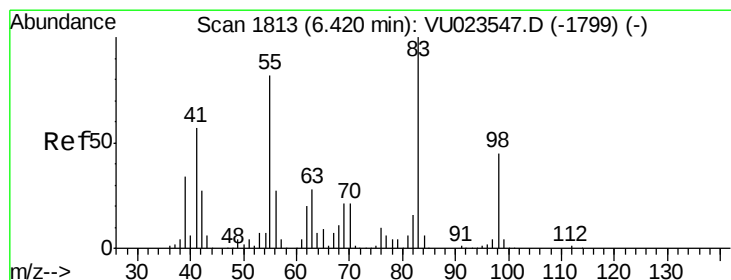
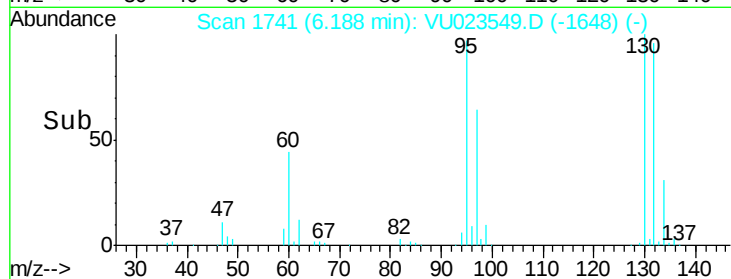
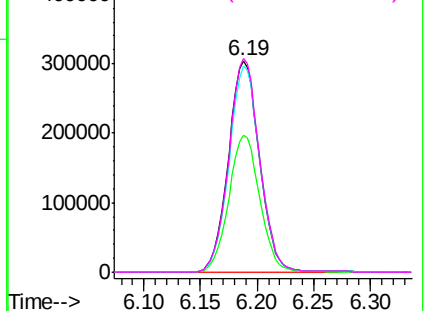


#34
 Trichloroethene
 Concen: 207.85 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU023549.D
 Acq: 01 May 2018 12:37

Tgt Ion:	95	Resp:	581683
Ion	Ratio	Lower	Upper
95	100		
97	65.1	46.3	85.9
132	97.3	68.5	127.1
130	101.1	70.8	131.4

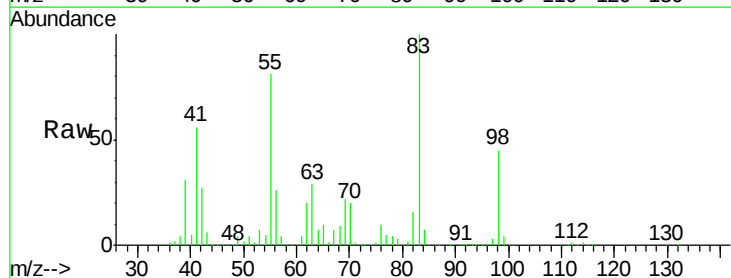


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

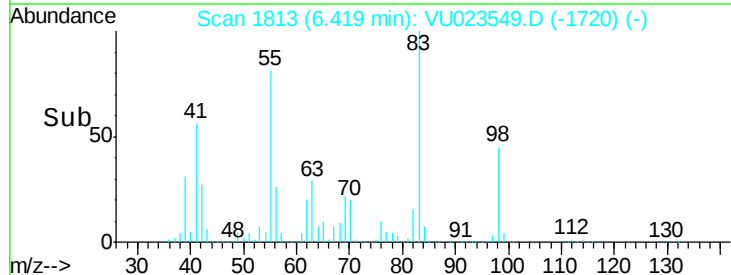
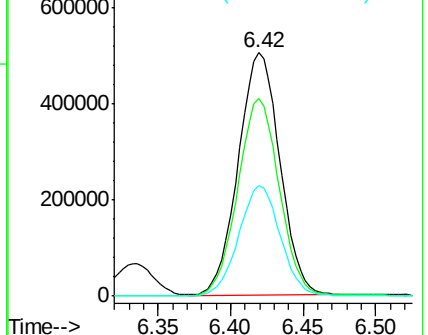


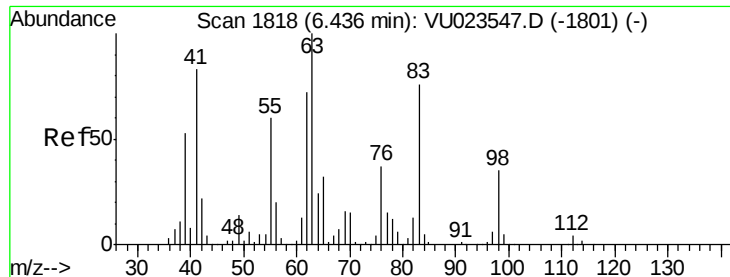
#35
 Methylcyclohexane
 Concen: 213.12 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU023549.D
 Acq: 01 May 2018 12:37

Tgt Ion:	83	Resp:	1009444
Ion	Ratio	Lower	Upper
83	100		
55	82.6	66.7	100.1
98	45.4	36.6	54.8



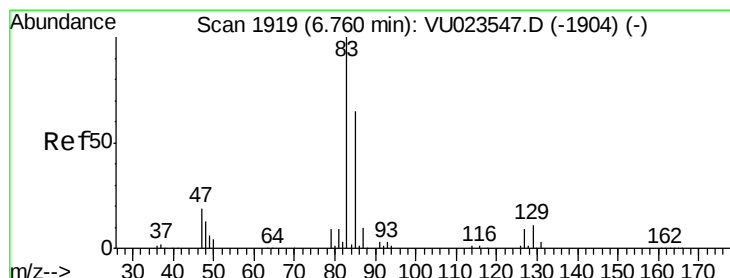
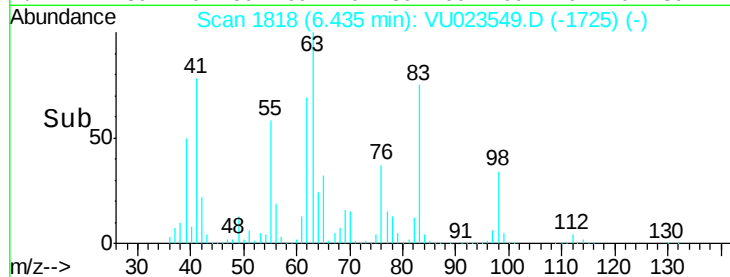
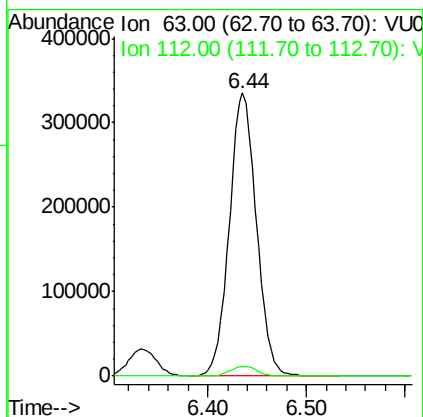
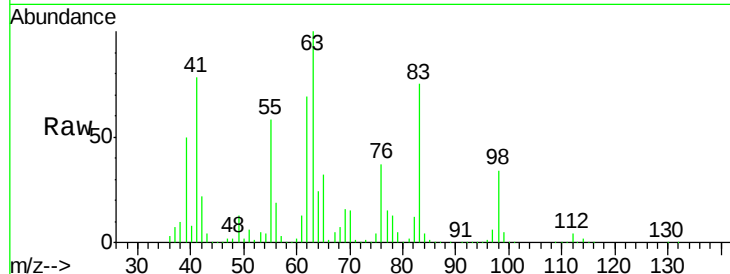
Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





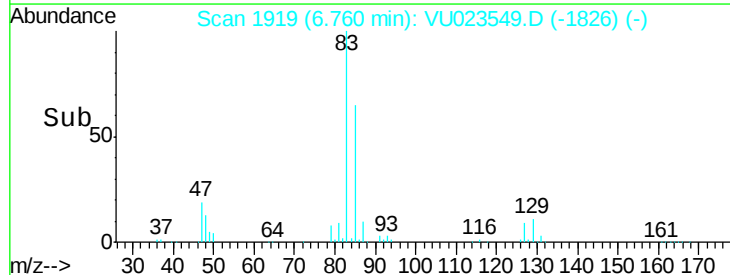
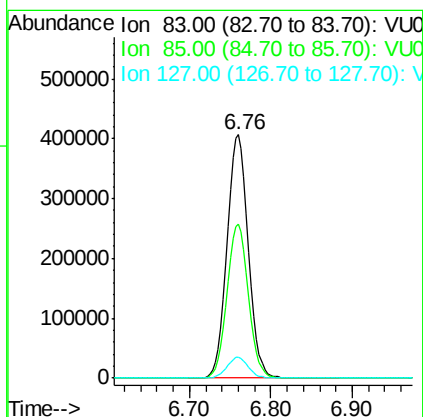
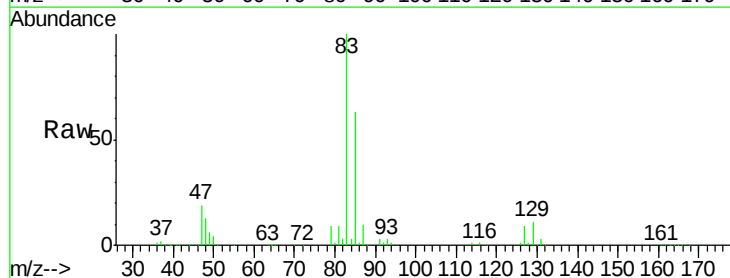
#37
 1,2-Dichloropropane
 Concen: 194.22 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU023549.D
 Acq: 01 May 2018 12:37

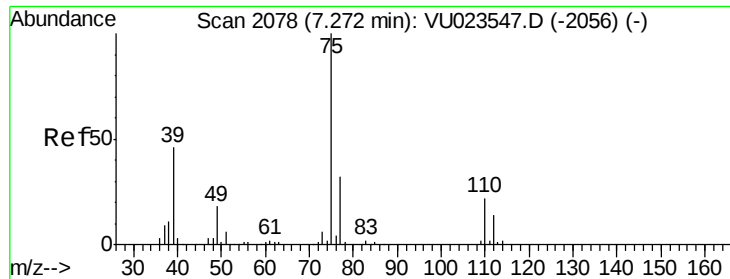
Tgt Ion: 63 Resp: 640533
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 203.68 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU023549.D
 Acq: 01 May 2018 12:37

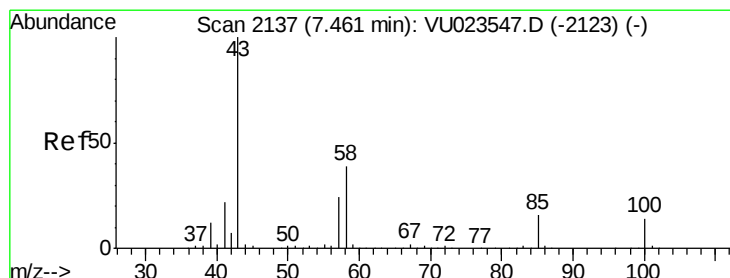
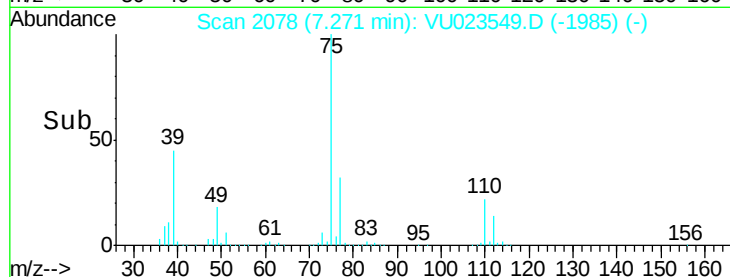
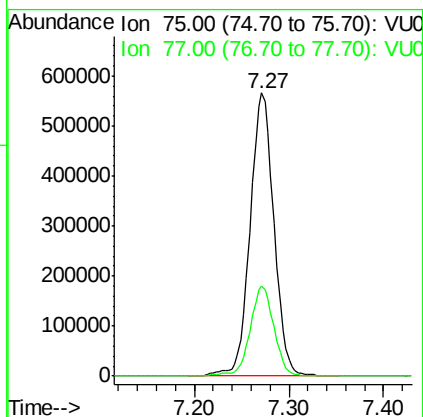
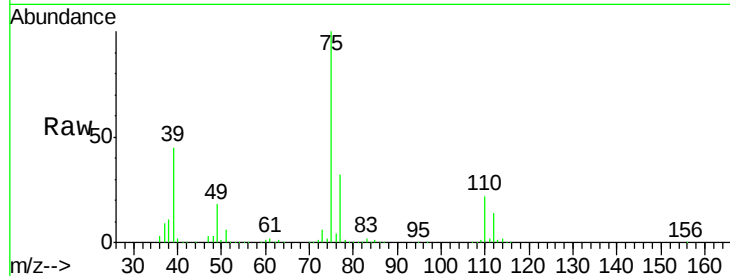
Tgt Ion: 83 Resp: 747396
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.1 83.7
 127 8.6 6.9 10.3





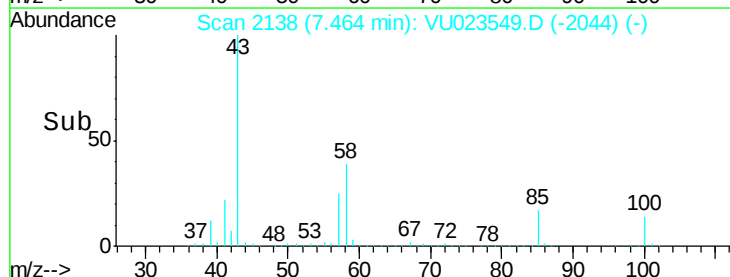
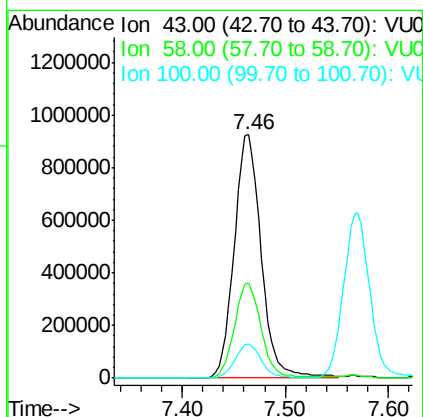
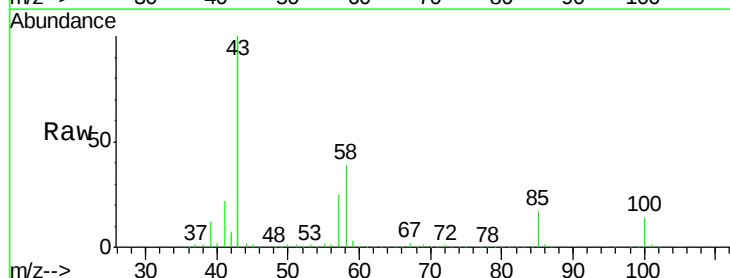
#39
 cis-1,3-Dichloropropene
 Concen: 218.93 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU023549.D
 Acq: 01 May 2018 12:37

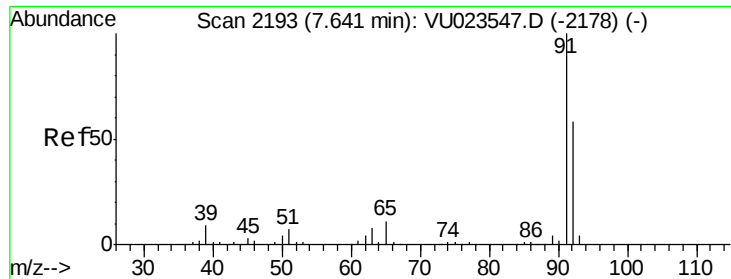
Tgt Ion: 75 Resp: 991618
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 391.30 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU023549.D
 Acq: 01 May 2018 12:37

Tgt Ion: 43 Resp: 1693065
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.8 46.2
 100 13.7 10.7 16.1





#42

Toluene

Concen: 206.43 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU023549.D

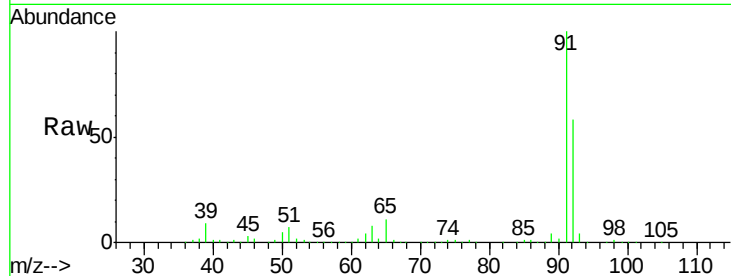
Acq: 01 May 2018 12:37

Tgt Ion: 91 Resp: 2398411

Ion Ratio Lower Upper

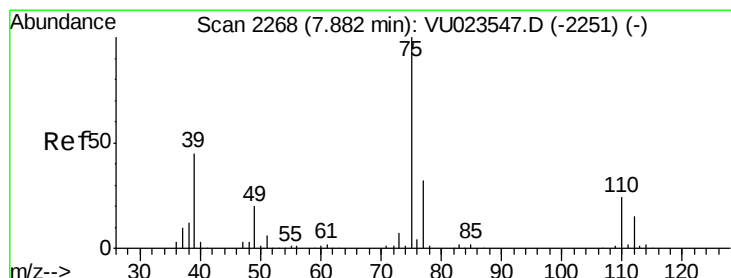
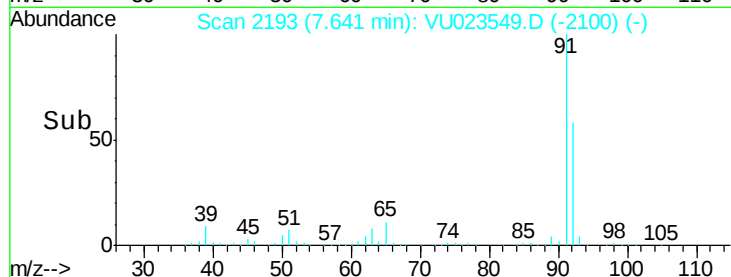
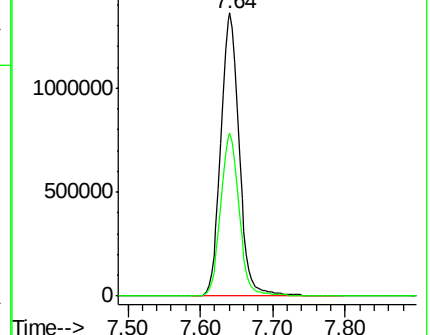
91 100

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



#44

trans-1,3-Dichloropropene

Concen: 220.85 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU023549.D

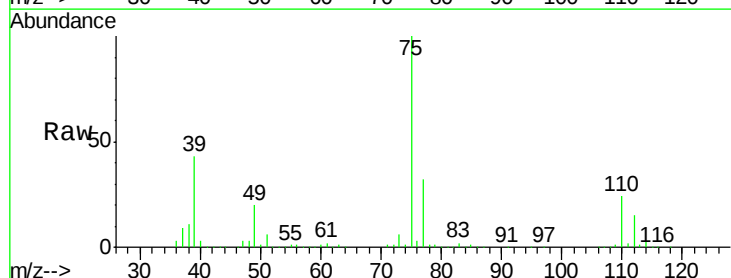
Acq: 01 May 2018 12:37

Tgt Ion: 75 Resp: 897090

Ion Ratio Lower Upper

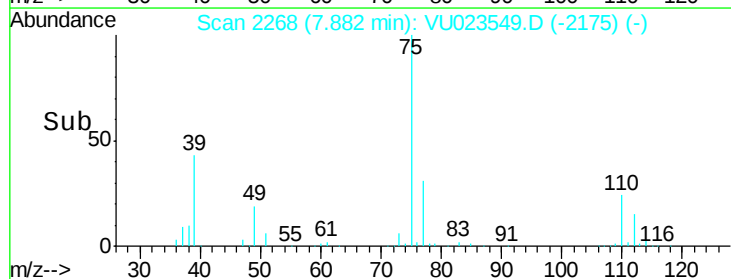
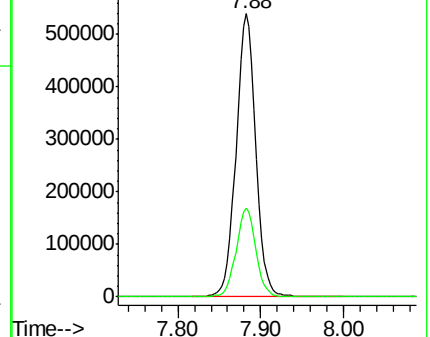
75 100

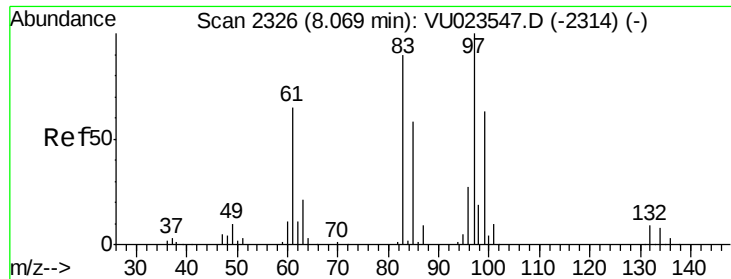
77 31.5 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 195.91 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

Tgt Ion: 97 Resp: 539234

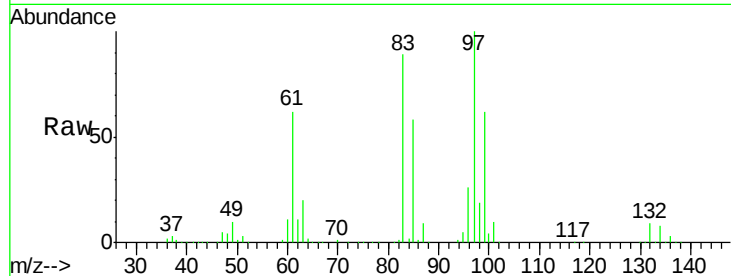
Ion Ratio Lower Upper

97 100

99 61.8 44.2 82.2

83 88.6 63.1 117.1

85 58.5 40.3 74.8



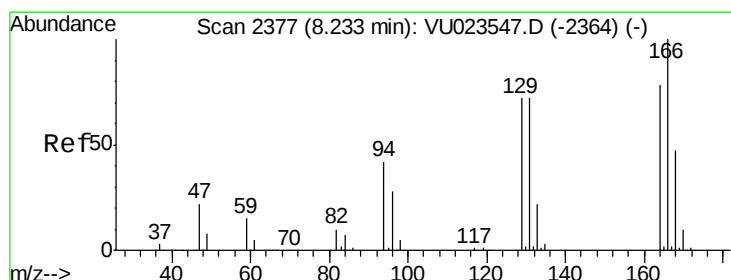
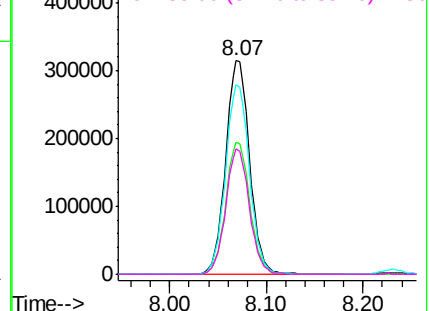
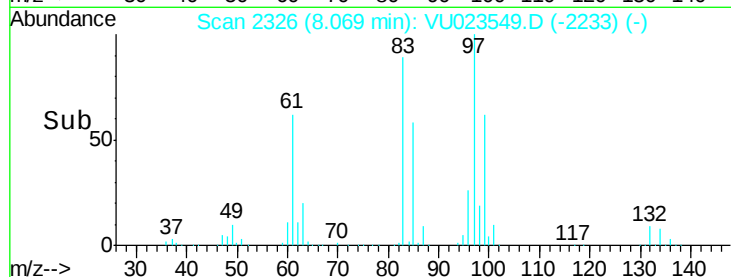
Abundance

Ion 97.00 (96.70 to 97.70): VU023549.D (-2233) (-)

Ion 99.00 (98.70 to 99.70): VU023549.D (-2233) (-)

Ion 83.00 (82.70 to 83.70): VU023549.D (-2233) (-)

Ion 85.00 (84.70 to 85.70): VU023549.D (-2233) (-)



#46

Tetrachloroethene

Concen: 212.51 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

Tgt Ion: 164 Resp: 473687

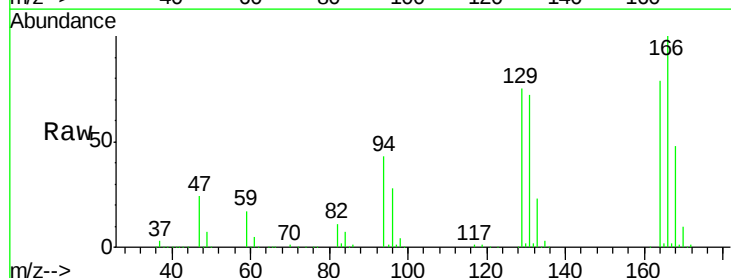
Ion Ratio Lower Upper

164 100

129 94.6 64.2 119.2

131 91.0 64.1 119.1

166 126.6 89.4 166.0



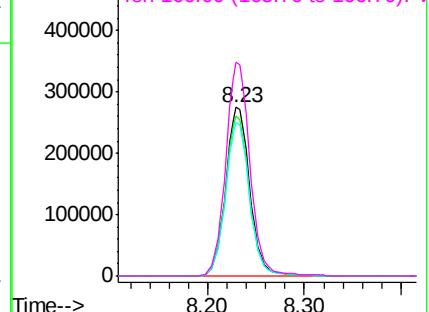
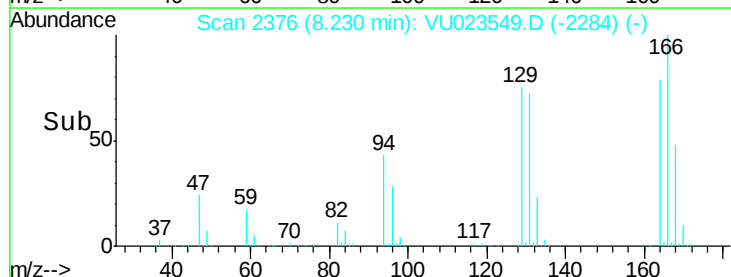
Abundance

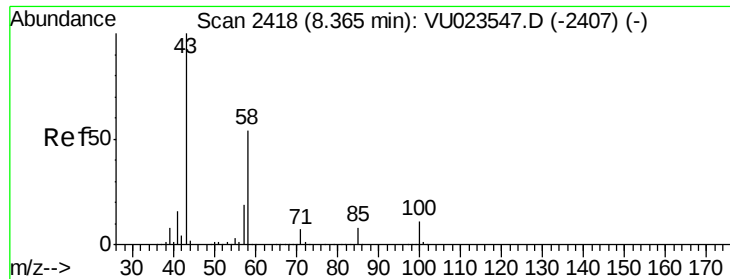
Ion 164.00 (163.70 to 164.70): VU023549.D (-2284) (-)

Ion 129.00 (128.70 to 129.70): VU023549.D (-2284) (-)

Ion 131.00 (130.70 to 131.70): VU023549.D (-2284) (-)

Ion 166.00 (165.70 to 166.70): VU023549.D (-2284) (-)





#48

2-Hexanone

Concen: 409.61 ug/L

RT: 8.36 min Scan# 2418

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

Tgt Ion: 43 Resp: 1430184

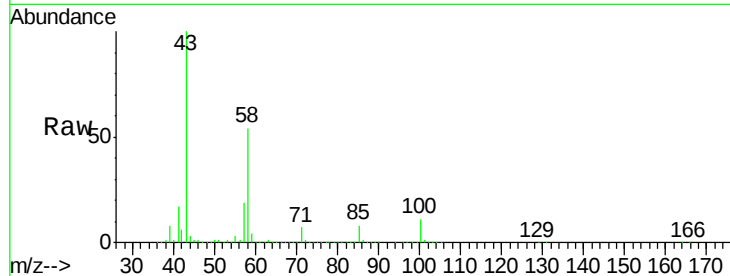
Ion Ratio Lower Upper

43 100

58 54.0 43.0 64.6

57 18.4 14.6 22.0

100 10.6 8.4 12.6

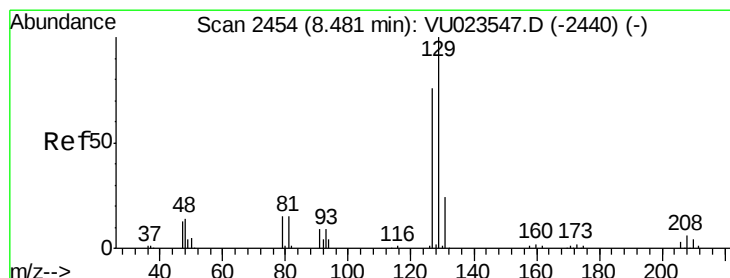
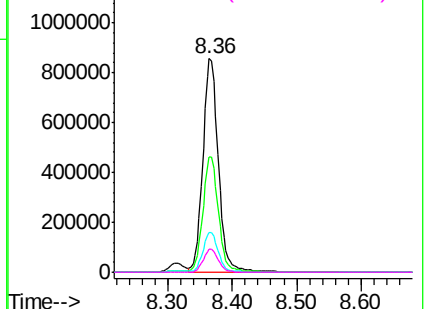
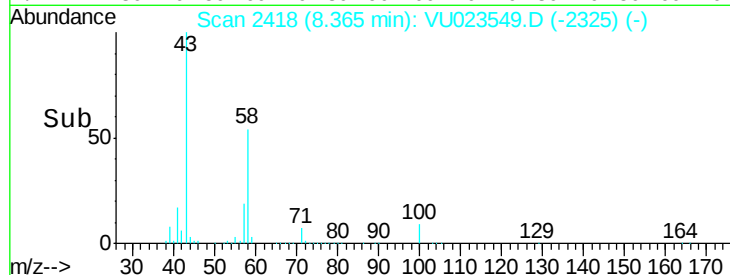


Abundance Ion 43.00 (42.70 to 43.70): VU023549.D (-2325) (-)

Ion 58.00 (57.70 to 58.70): VU023549.D (-2325) (-)

Ion 57.00 (56.70 to 57.70): VU023549.D (-2325) (-)

Ion 100.00 (99.70 to 100.70): VU023549.D (-2325) (-)



#49

Dibromochloromethane

Concen: 213.72 ug/L

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU023549.D

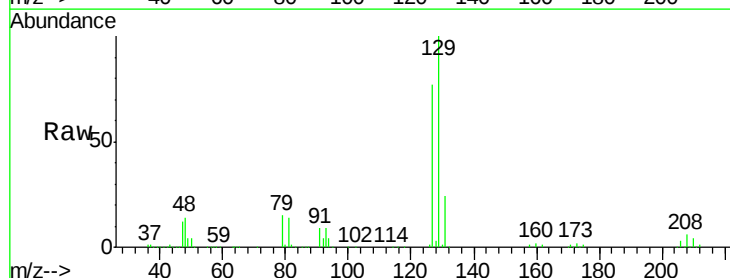
Acq: 01 May 2018 12:37

Tgt Ion: 129 Resp: 612906

Ion Ratio Lower Upper

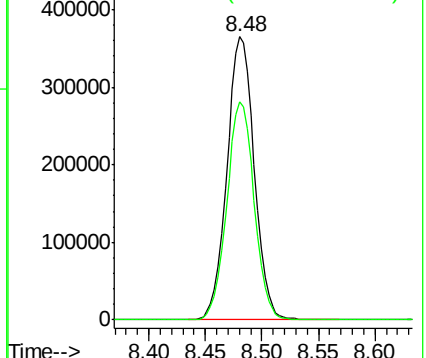
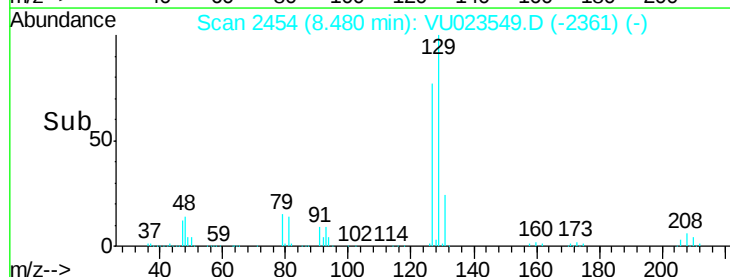
129 100

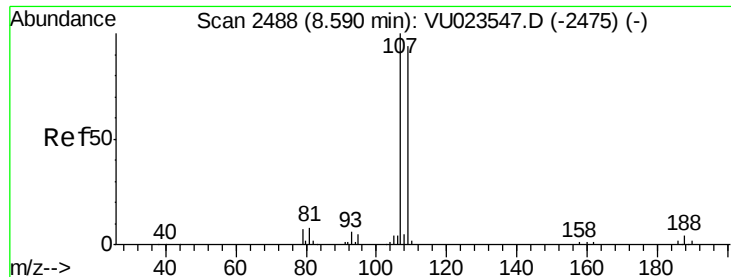
127 77.2 53.3 99.1



Abundance Ion 129.00 (128.70 to 129.70): VU023549.D (-2361) (-)

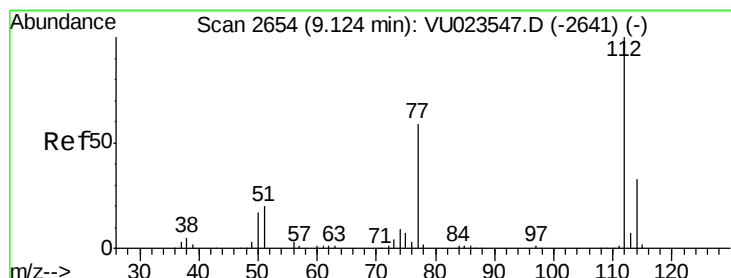
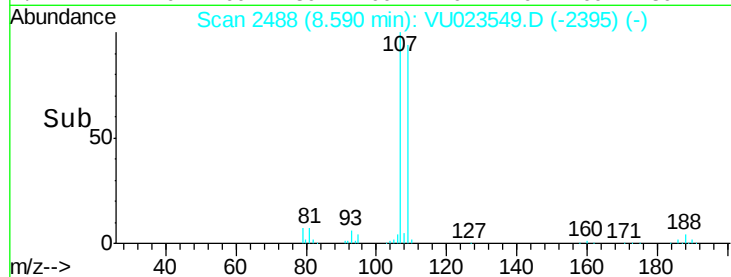
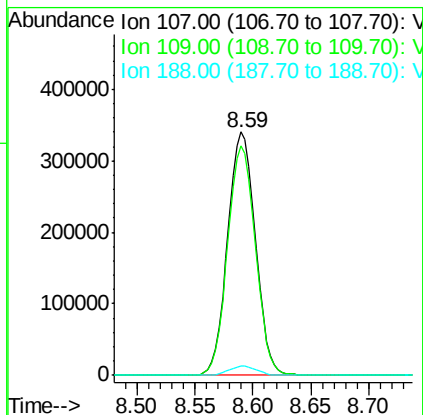
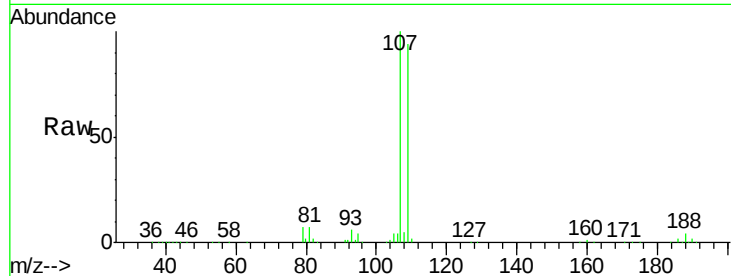
Ion 127.00 (126.70 to 127.70): VU023549.D (-2361) (-)





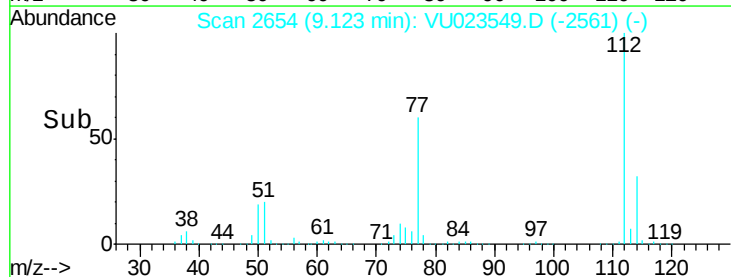
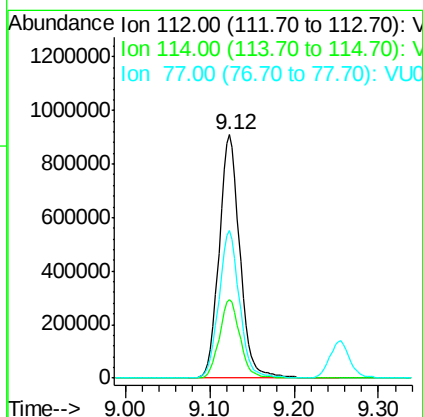
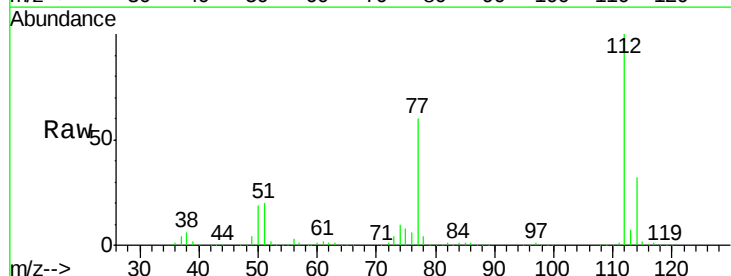
#50
1,2-Dibromoethane
Concen: 200.77 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU023549.D
Acq: 01 May 2018 12:37

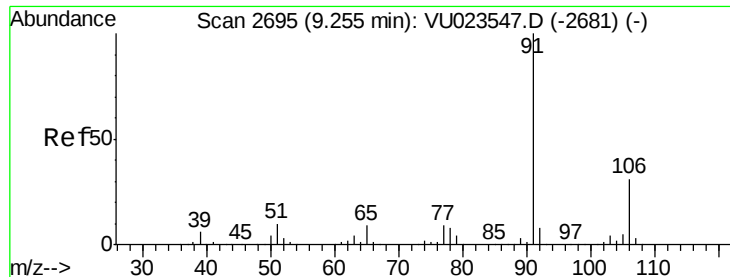
Tgt Ion:107 Resp: 564955
Ion Ratio Lower Upper
107 100
109 94.1 66.1 122.7
188 3.7 3.2 4.8



#51
Chlorobenzene
Concen: 208.30 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU023549.D
Acq: 01 May 2018 12:37

Tgt Ion:112 Resp: 1551102
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.3
77 60.4 47.5 71.3





#52

Ethylbenzene

Concen: 217.26 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU023549.D

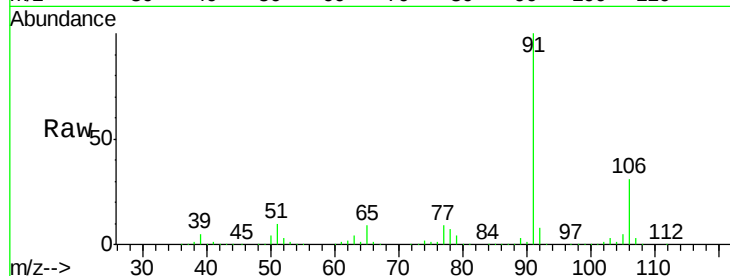
Acq: 01 May 2018 12:37

Tgt Ion: 91 Resp: 2702415

Ion Ratio Lower Upper

91 100

106 30.6 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU023549.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU023549.D (-2681) (-)

9.26

1500000

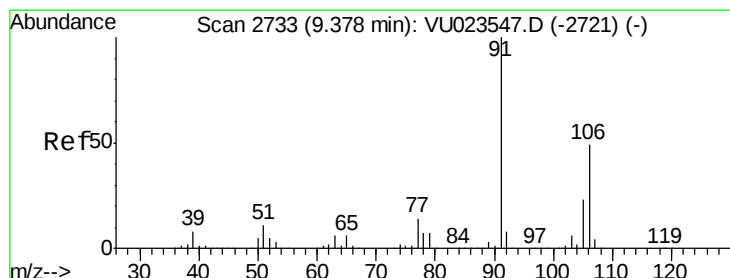
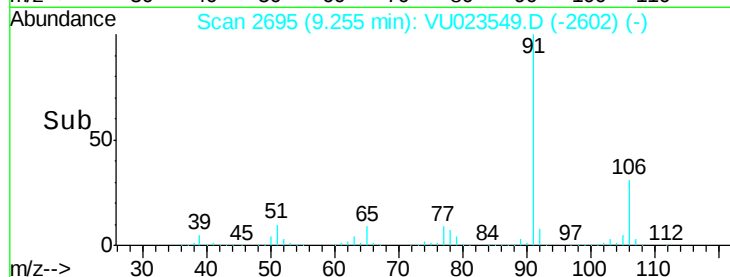
1000000

500000

0

Time-->

9.15 9.20 9.25 9.30 9.35



#53

m,p-Xylene

Concen: 221.88 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU023549.D

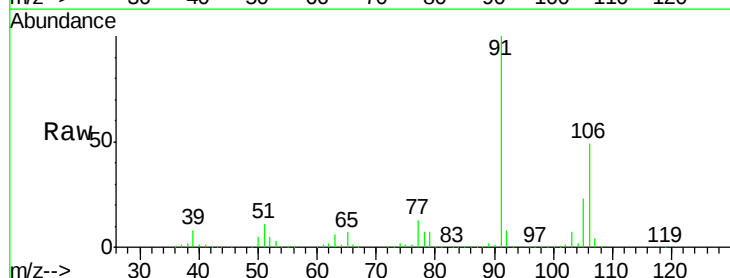
Acq: 01 May 2018 12:37

Tgt Ion: 106 Resp: 1027952

Ion Ratio Lower Upper

106 100

91 203.9 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): VU023549.D (-2733) (-)

Ion 91.00 (90.70 to 91.70): VU023549.D (-2733) (-)

9.38

1500000

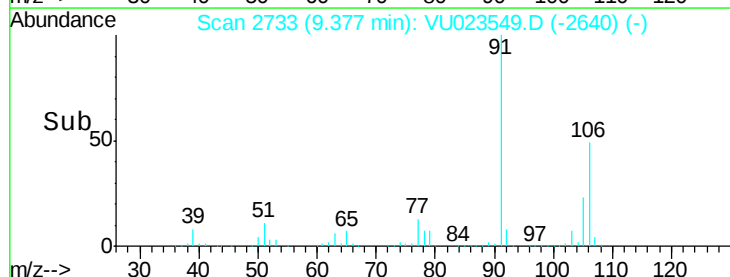
1000000

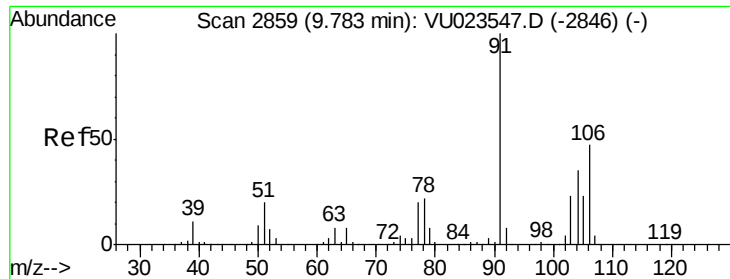
500000

0

Time-->

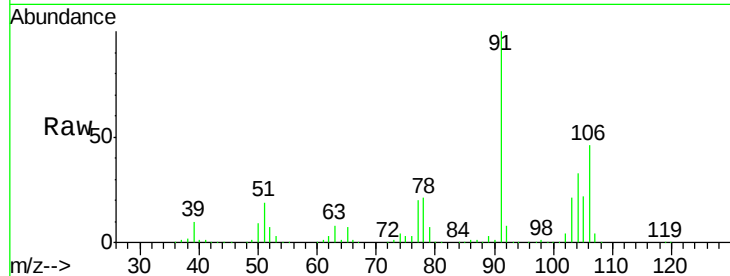
9.30 9.40 9.50



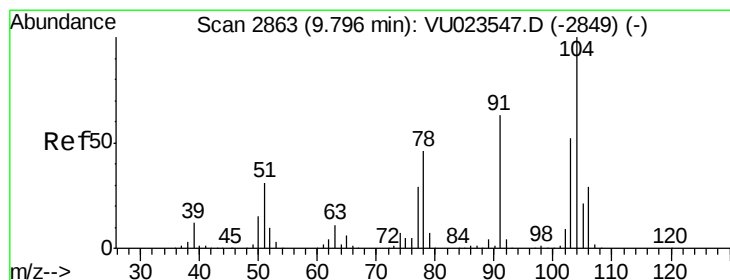
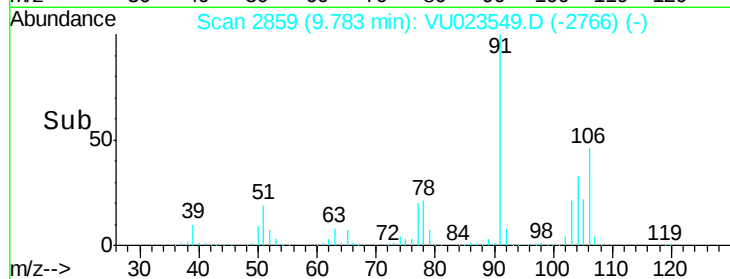
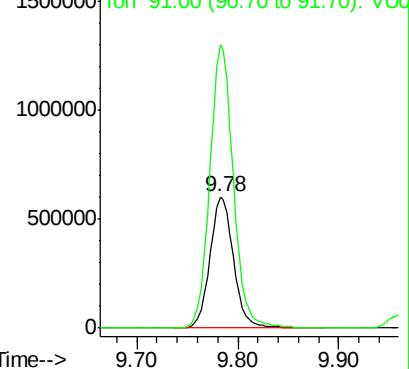


#54
o-xylene
Concen: 217.13 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU023549.D
Acq: 01 May 2018 12:37

Tgt Ion:106 Resp: 987239
Ion Ratio Lower Upper
106 100
91 215.9 148.9 276.5

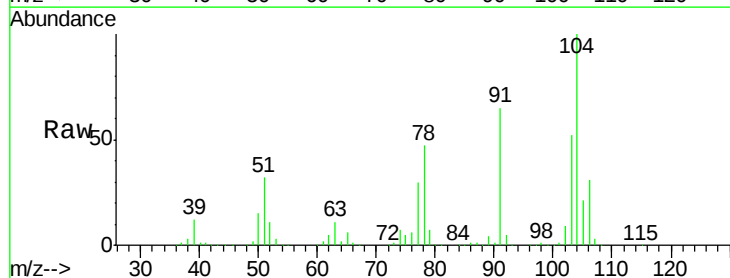


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

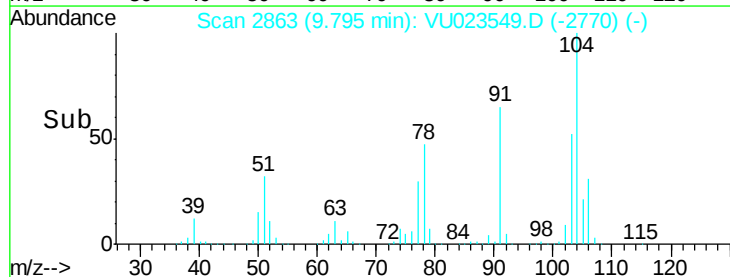
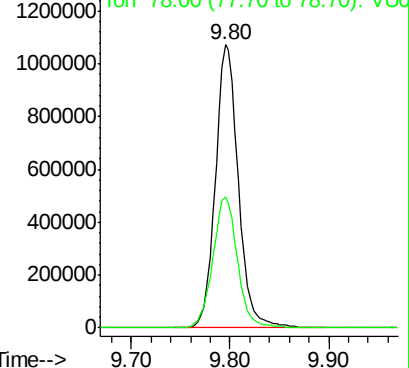


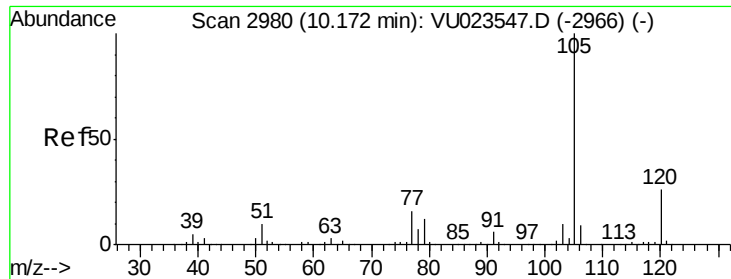
#55
Styrene
Concen: 225.01 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU023549.D
Acq: 01 May 2018 12:37

Tgt Ion:104 Resp: 1742180
Ion Ratio Lower Upper
104 100
78 46.5 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: 217.90 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

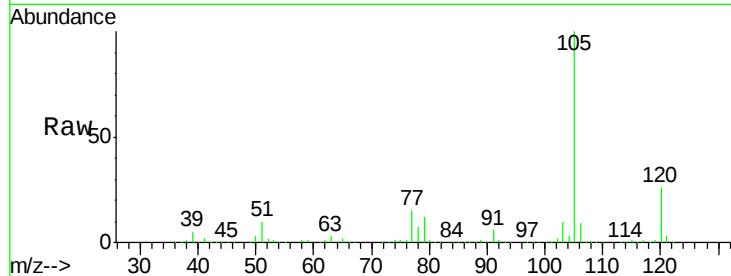
Tgt Ion: 105 Resp: 2581054

Ion Ratio Lower Upper

105 100

120 26.4 20.9 31.3

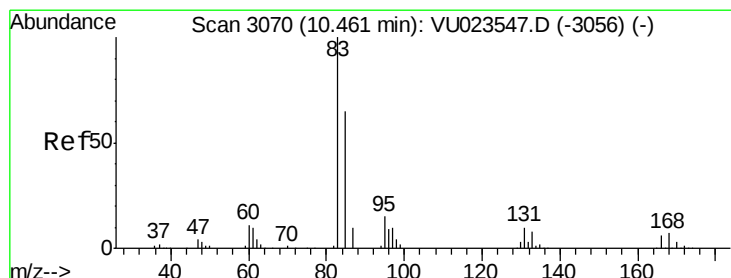
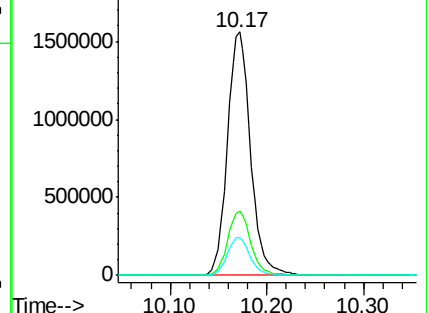
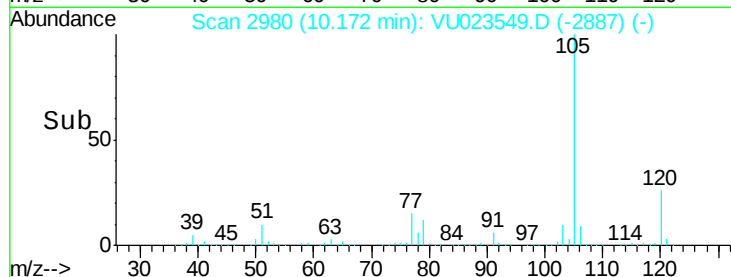
77 15.5 12.6 18.8



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: 197.52 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

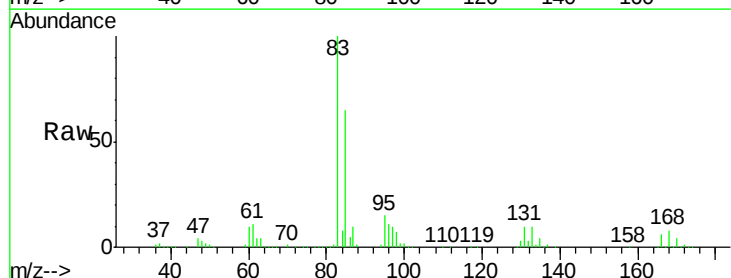
Tgt Ion: 83 Resp: 926423

Ion Ratio Lower Upper

83 100

85 64.8 45.6 84.6

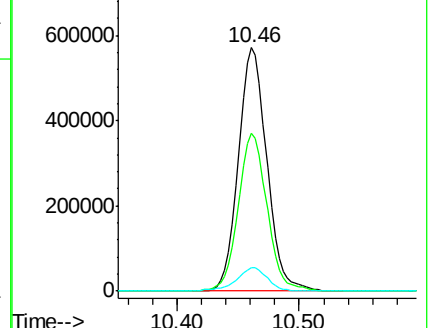
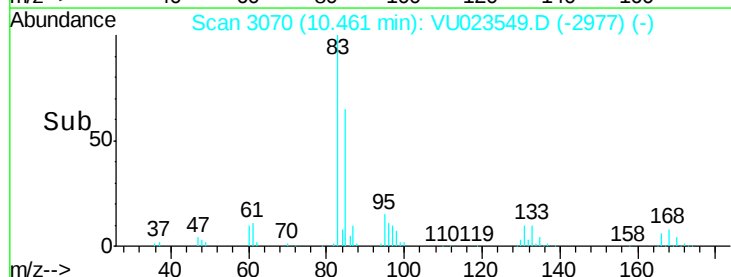
131 9.5 7.9 11.9

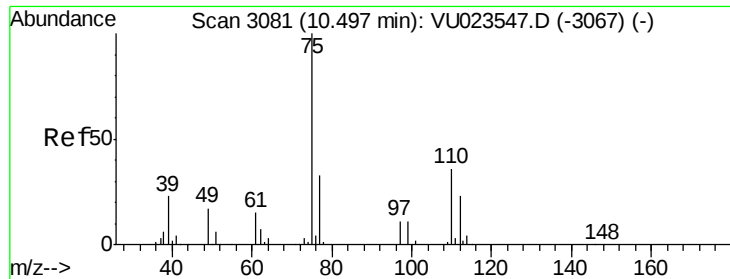


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 190.15 ug/L

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU023549.D

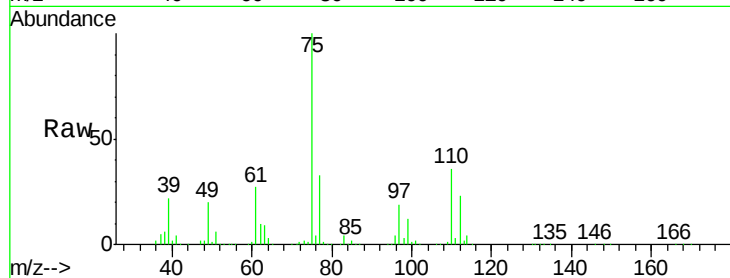
Acq: 01 May 2018 12:37

Tgt Ion: 75 Resp: 717351

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.50

400000

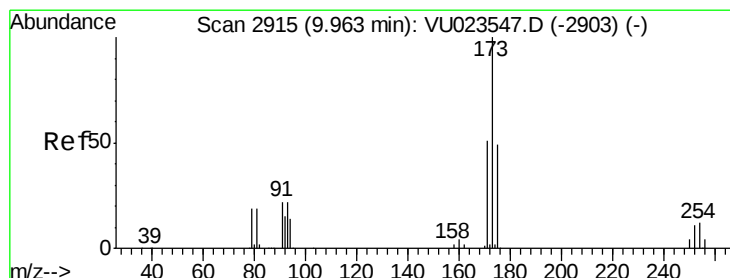
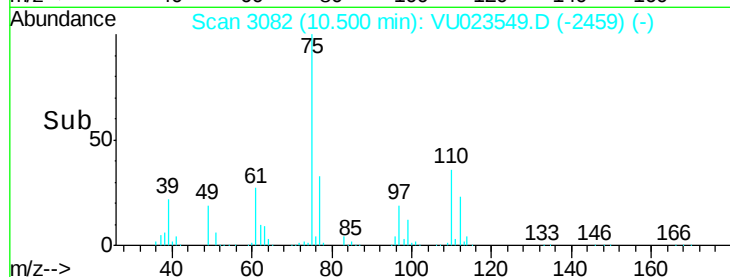
300000

200000

100000

0

Time--> 10.40 10.50 10.60



#61

Bromoform

Concen: 193.15 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

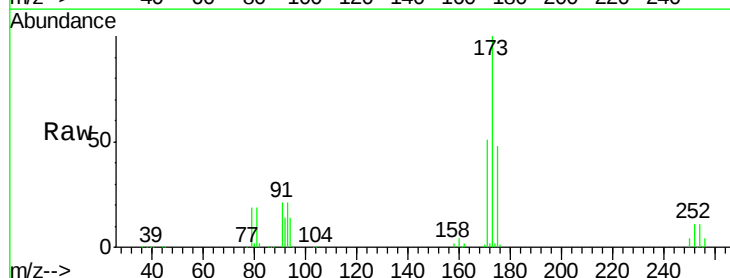
Tgt Ion: 173 Resp: 463838

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 11.1 8.8 13.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

9.96

400000

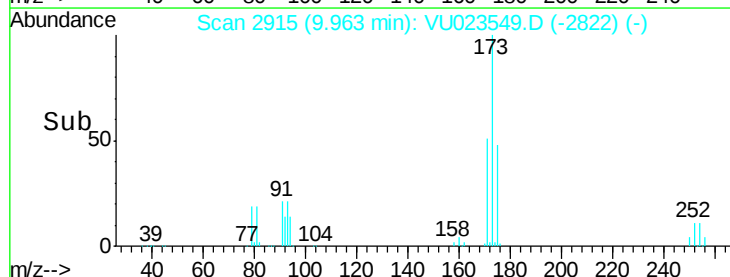
300000

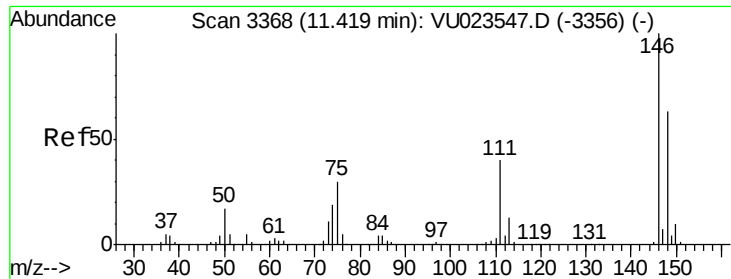
200000

100000

0

Time--> 9.90 10.00 10.10





#62

1,3-Dichlorobenzene

Concen: 204.36 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

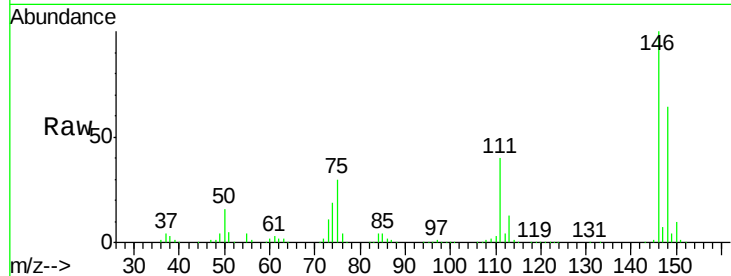
Tgt Ion:146 Resp: 1293903

Ion Ratio Lower Upper

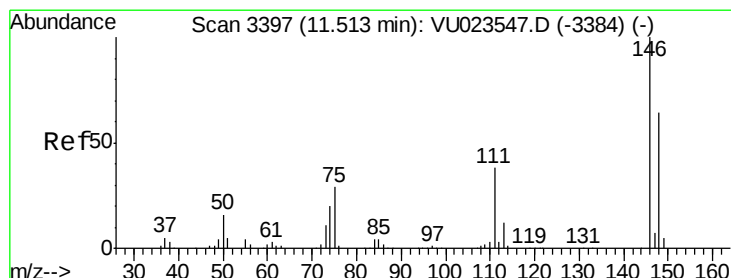
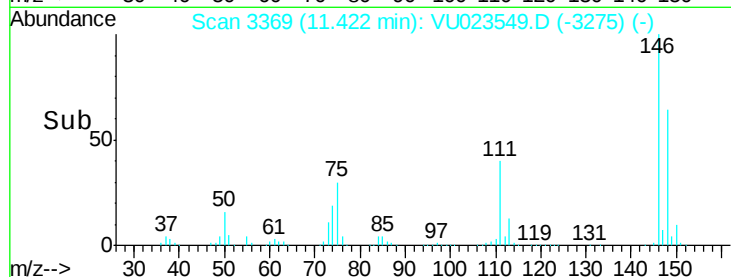
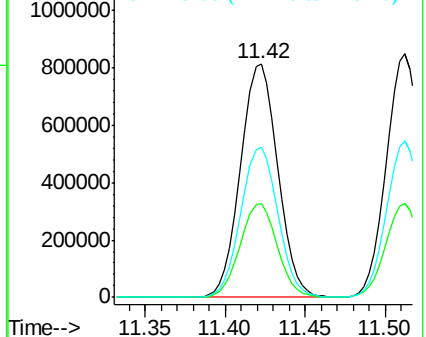
146 100

111 40.0 27.9 51.7

148 64.2 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: 202.18 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

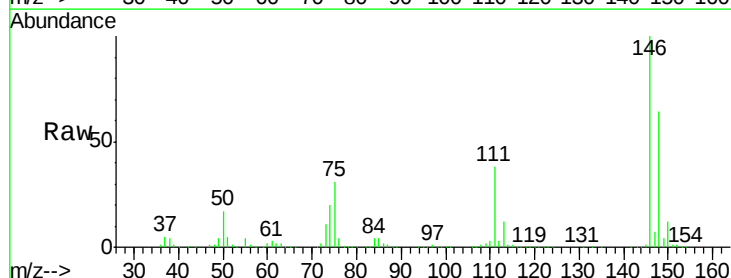
Tgt Ion:146 Resp: 1327598

Ion Ratio Lower Upper

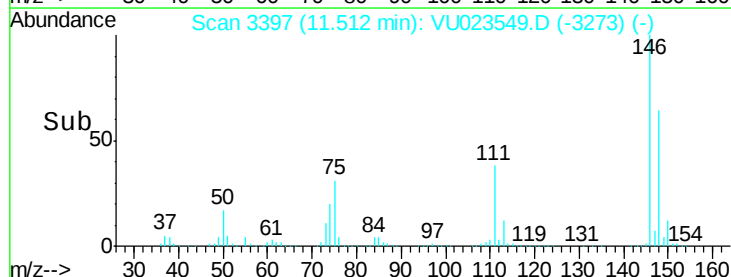
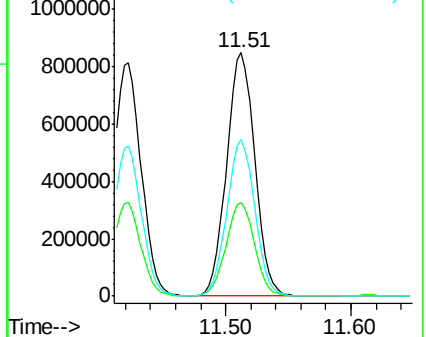
146 100

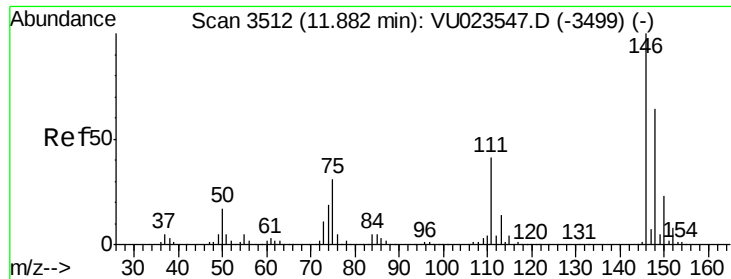
111 38.5 26.8 49.8

148 64.1 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: 191.84 ug/L

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

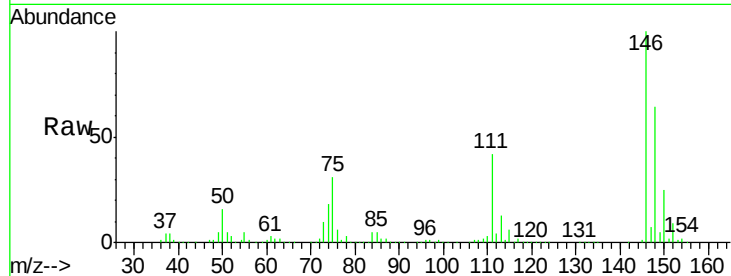
Tgt Ion: 146 Resp: 1286134

Ion Ratio Lower Upper

146 100

111 41.6 32.9 49.3

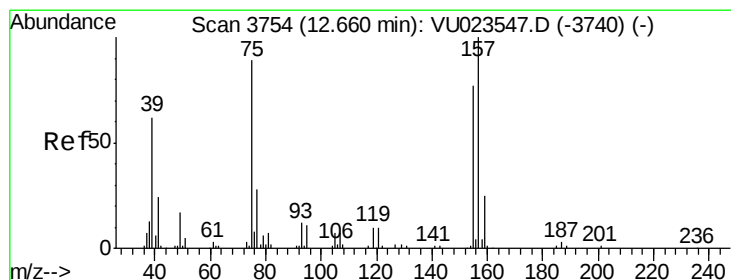
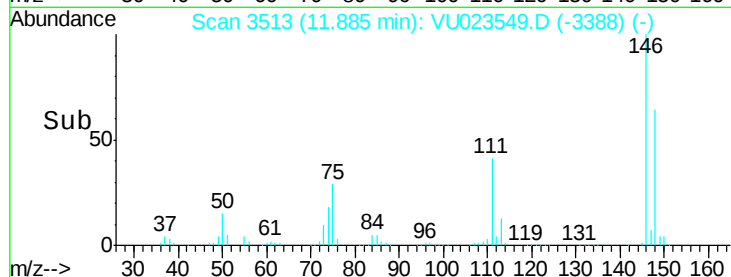
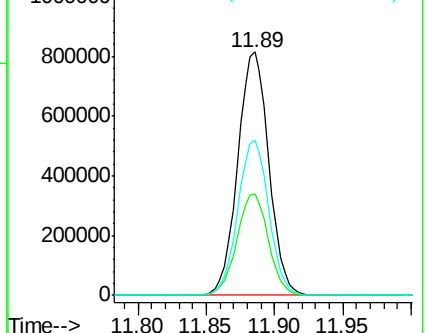
148 63.7 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 169.19 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU023549.D

Acq: 01 May 2018 12:37

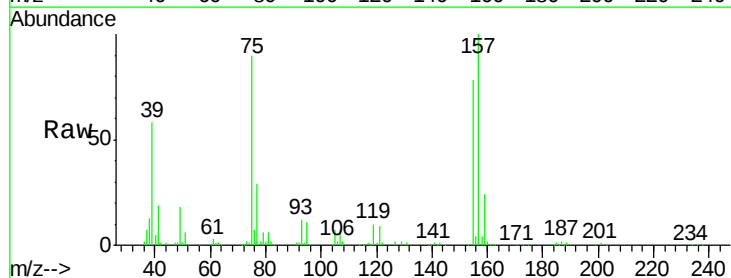
Tgt Ion: 75 Resp: 187808

Ion Ratio Lower Upper

75 100

155 86.9 68.9 103.3

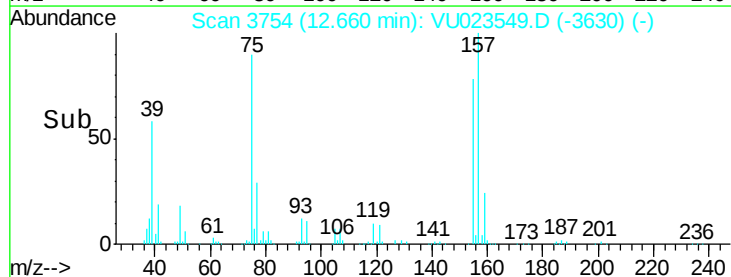
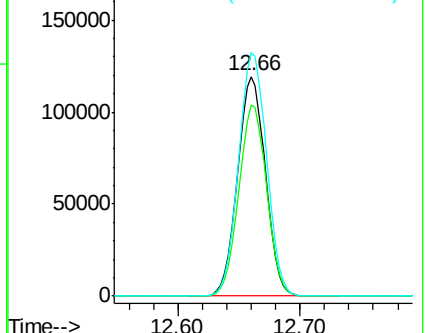
157 111.0 89.9 134.9

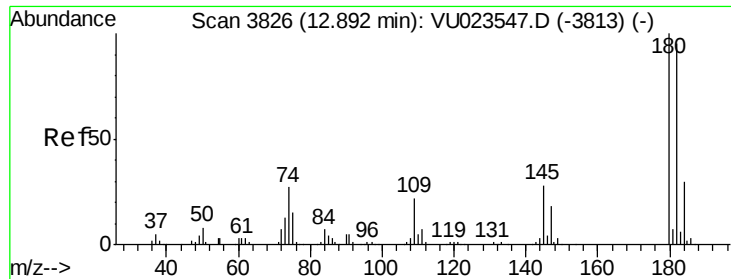


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

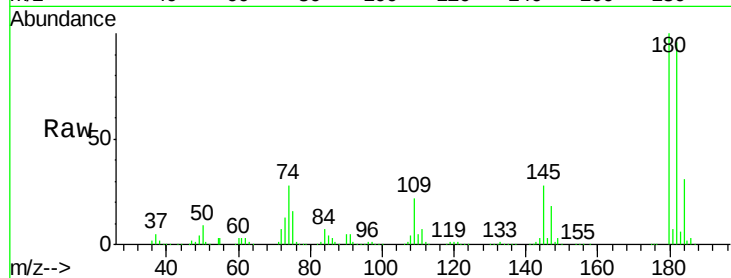
Ion 157.00 (156.70 to 157.70): V



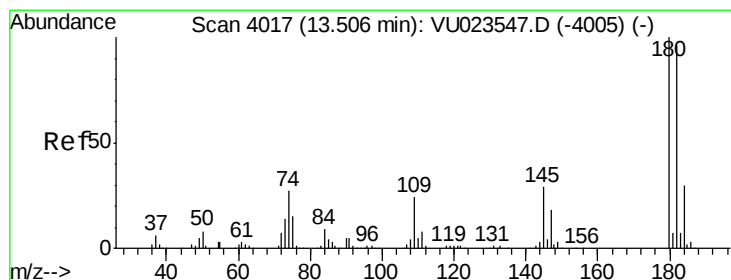
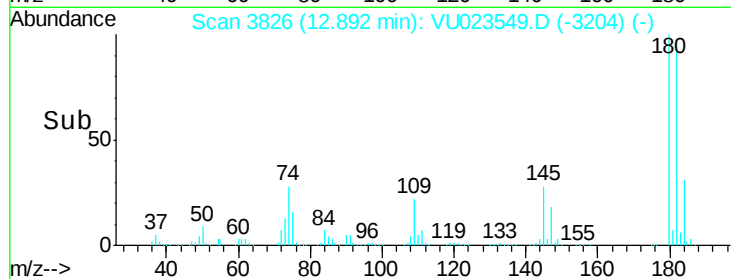
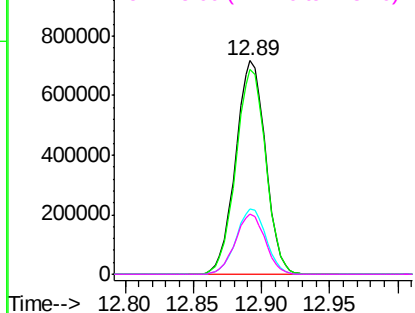


#67
 1,3,5-Trichlorobenzene
 Concen: 215.14 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU023549.D
 Acq: 01 May 2018 12:37

Tgt Ion:180 Resp: 1094430
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.5 114.7
 184 30.5 24.1 36.1
 145 27.9 22.2 33.4

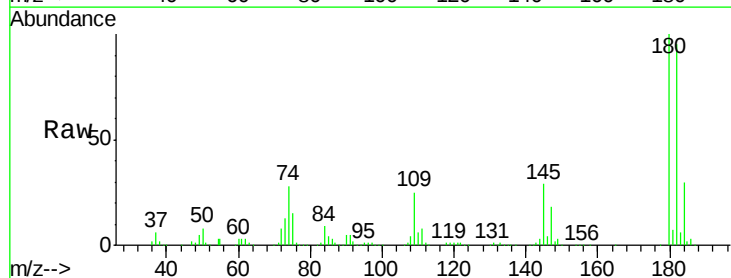


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

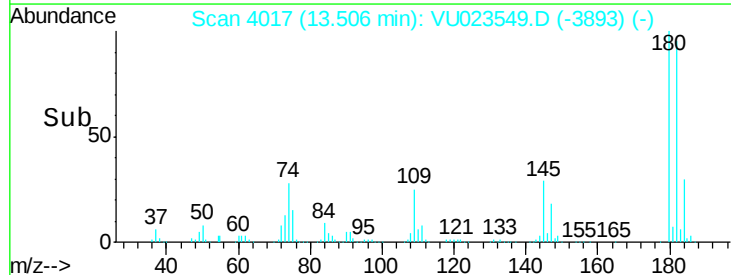
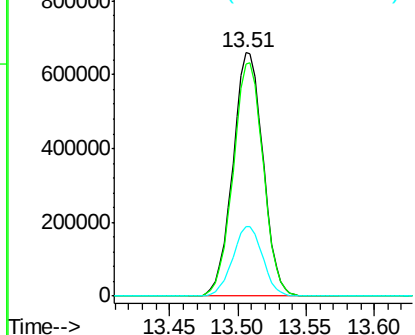


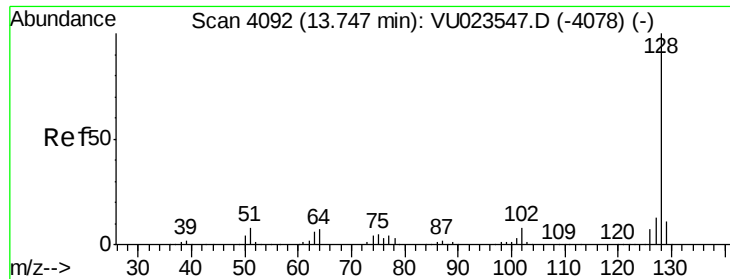
#68
 1,2,4-trichlorobenzene
 Concen: 229.54 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU023549.D
 Acq: 01 May 2018 12:37

Tgt Ion:180 Resp: 1013811
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.1 115.7
 145 28.6 23.4 35.0



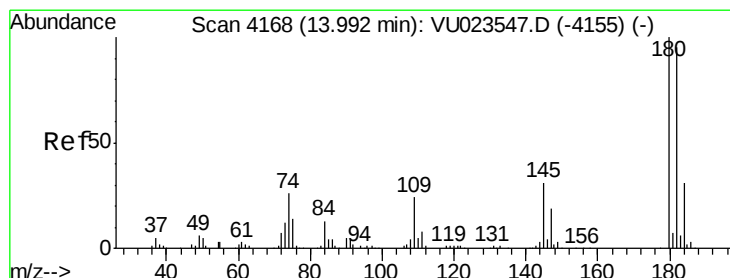
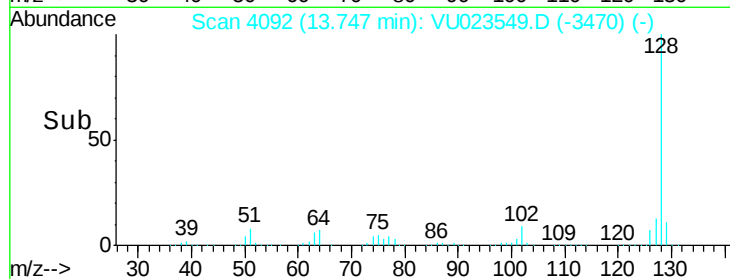
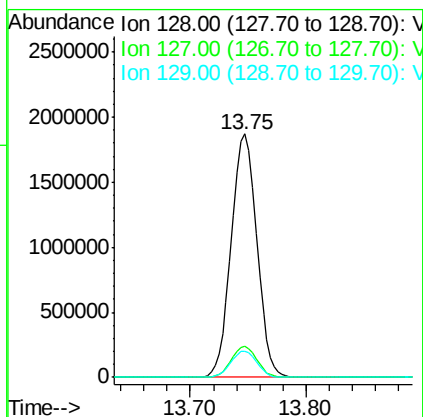
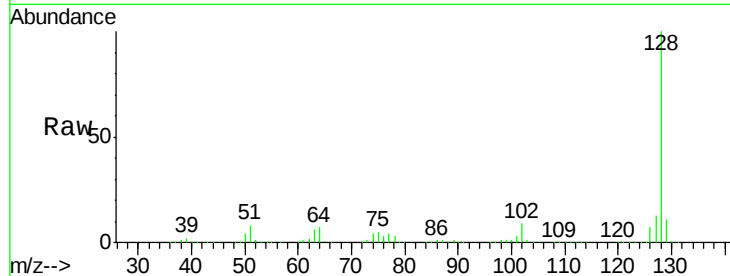
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 207.00 ug/L
RT: 13.75 min Scan# 4092
Delta R.T. -0.00 min
Lab File: VU023549.D
Acq: 01 May 2018 12:37

Tgt Ion:128 Resp: 2858901
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.6 13.0



#70
1,2,3-Trichlorobenzene
Concen: 206.12 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. -0.00 min
Lab File: VU023549.D
Acq: 01 May 2018 12:37

Tgt Ion:180 Resp: 984295
Ion Ratio Lower Upper
180 100
182 95.3 76.2 114.4
145 30.5 24.3 36.5

