

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050318\
 Data File : VU023604.D
 Acq On : 03 May 2018 16:07
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 02:55:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 04 02:54:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	353931	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	340729	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	177146	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	113432	45.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.44%
7) Chloroethane-d5	1.68	69	85226	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.14%
11) 1,1-Dichloroethene-d2	2.27	63	210020	42.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.88%
21) 2-Butanone-d5	4.18	46	203733	117.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.55%
24) Chloroform-d	4.65	84	210442	50.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.46%
26) 1,2-Dichloroethane-d4	5.31	65	134817	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
32) Benzene-d6	5.35	84	421902	46.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.30%
36) 1,2-Dichloropropane-d6	6.34	67	141252	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.26%
41) Toluene-d8	7.57	98	398710	47.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.62%
43) trans-1,3-Dichloropropene-	7.85	79	63317	48.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.06%
47) 2-Hexanone-d5	8.31	63	142364	122.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.43%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	197584	49.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.78%
64) 1,2-Dichlorobenzene-d4	11.87	152	155649	45.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	161125	42.16	ug/L	100
3) Chloromethane	1.33	50	178599	43.57	ug/L	100
5) Vinyl chloride	1.40	62	161858	41.69	ug/L	97
6) Bromomethane	1.62	94	86610	41.62	ug/L	99
8) Chloroethane	1.70	64	93562	39.87	ug/L	100
9) Trichlorofluoromethane	1.88	101	186595	42.71	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	109815	39.86	ug/L	98
12) 1,1-Dichloroethene	2.28	96	103799	40.18	ug/L	99
13) Acetone	2.32	43	196212	76.20	ug/L	100
14) Carbon disulfide	2.47	76	374352	42.04	ug/L	99
15) Methyl Acetate	2.62	43	180921	53.04	ug/L	100
16) Methylene chloride	2.70	84	141920	44.02	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	122573	43.37	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	382788	45.81	ug/L	99
19) 1,1-Dichloroethane	3.45	63	250622	44.68	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	140460	44.78	ug/L	97
22) 2-Butanone	4.27	43	276553	96.57	ug/L	99

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050318\
 Data File : VU023604.D
 Acq On : 03 May 2018 16:07
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

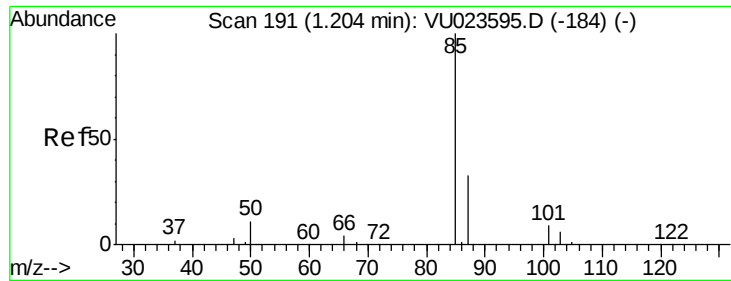
Quant Time: May 04 02:55:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 04 02:54:31 2018
 Response via : Initial Calibration

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

23) Bromochloromethane	4.55	128	69012	43.83	ug/L	93
25) Chloroform	4.68	83	243212	42.28	ug/L	98
27) 1,2-Dichloroethane	5.41	62	194918	45.70	ug/L	99
29) Cyclohexane	5.00	56	225255	44.73	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	193998	44.95	ug/L	100
31) Carbon tetrachloride	5.14	117	169015	45.07	ug/L	99
33) Benzene	5.39	78	543956	45.30	ug/L	100
34) Trichloroethene	6.19	95	134898	43.85	ug/L	98
35) Methylcyclohexane	6.42	83	209274	43.49	ug/L	99
37) 1,2-Dichloropropane	6.44	63	156960	45.61	ug/L	99
38) Bromodichloromethane	6.76	83	179532	46.24	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	217829	45.94	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	471368	112.19	ug/L	99
42) Toluene	7.64	91	575535	46.25	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	199794	47.22	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	134738	46.08	ug/L	99
46) Tetrachloroethene	8.23	164	110018	43.88	ug/L	98
48) 2-Hexanone	8.36	43	379445	103.69	ug/L	100
49) Dibromochloromethane	8.48	129	142745	46.35	ug/L	99
50) 1,2-Dibromoethane	8.59	107	138595	46.93	ug/L	99
51) Chlorobenzene	9.12	112	367258	44.29	ug/L	99
52) Ethylbenzene	9.26	91	627493	46.52	ug/L	99
53) m,p-Xylene	9.38	106	234005	45.48	ug/L	99
54) o-xylene	9.78	106	231426	47.47	ug/L	97
55) Styrene	9.80	104	410121	48.09	ug/L	98
56) Isopropylbenzene	10.17	105	603356	47.16	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	238383	49.66	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	192007	50.54	ug/L	99
61) Bromoform	9.96	173	108365	48.66	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	285660	44.72	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	297471	44.60	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	296627	45.39	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	52672	55.51	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	234734	43.87	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	205445	45.21	ug/L	99
69) Naphthalene	13.75	128	649354	54.45	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	217503	46.97	ug/L	100

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

[illegible]



#2

Dichlorodifluoromethane

Concen: 42.16 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU023604.D

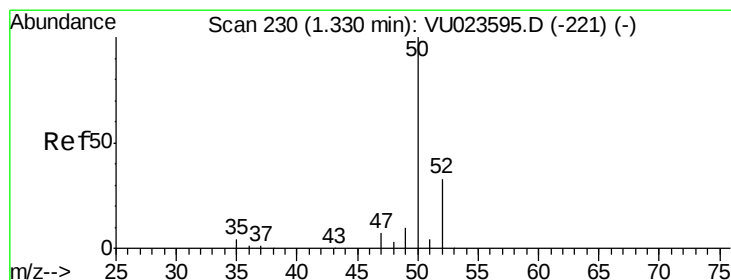
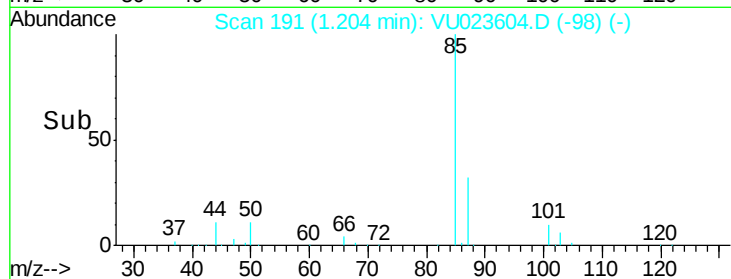
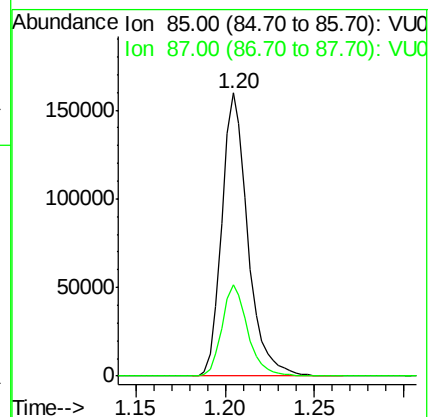
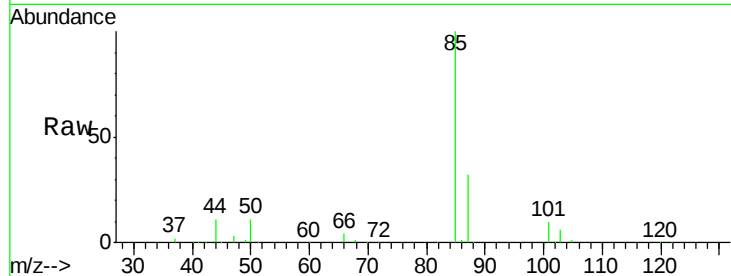
Acq: 03 May 2018 16:07

Tgt Ion: 85 Resp: 161125

Ion Ratio Lower Upper

85 100

87 32.0 25.6 38.4



#3

Chloromethane

Concen: 43.57 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU023604.D

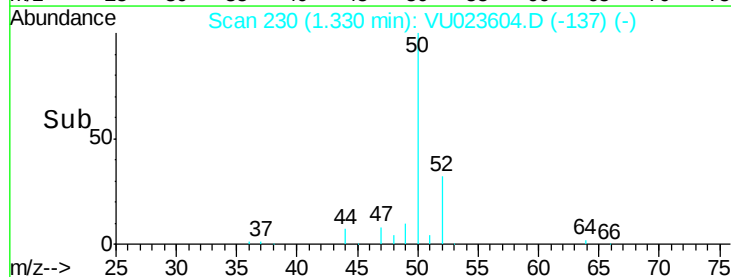
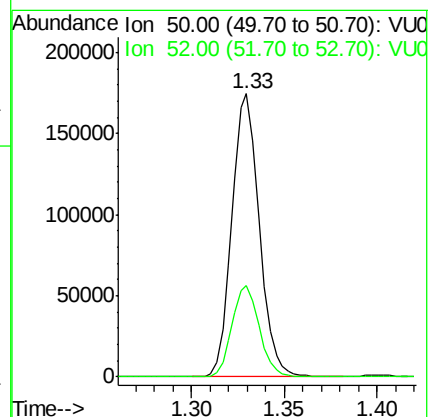
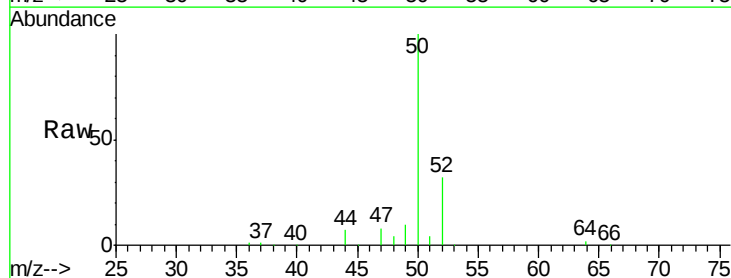
Acq: 03 May 2018 16:07

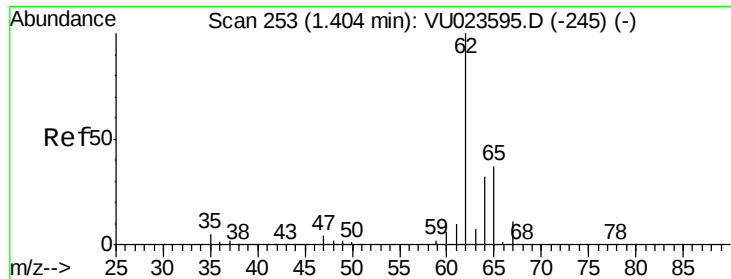
Tgt Ion: 50 Resp: 178599

Ion Ratio Lower Upper

50 100

52 32.2 22.7 42.1





#5

Vinyl chloride

Concen: 41.69 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU023604.D

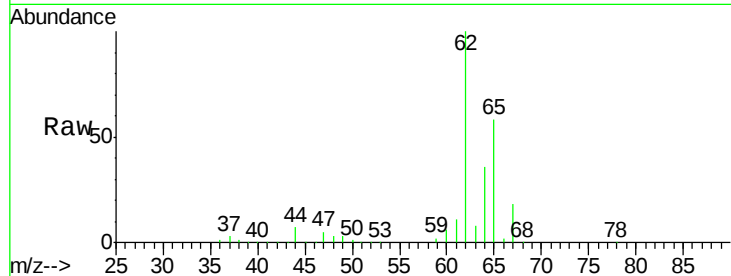
Acq: 03 May 2018 16:07

Tgt Ion: 62 Resp: 161858

Ion Ratio Lower Upper

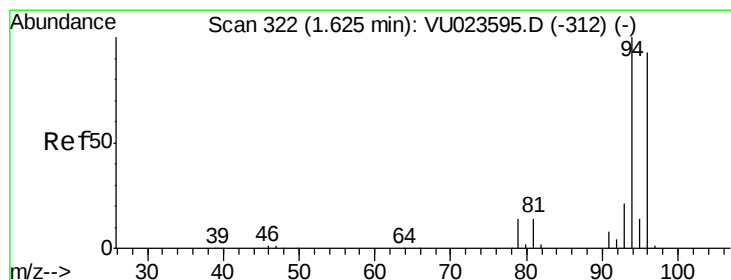
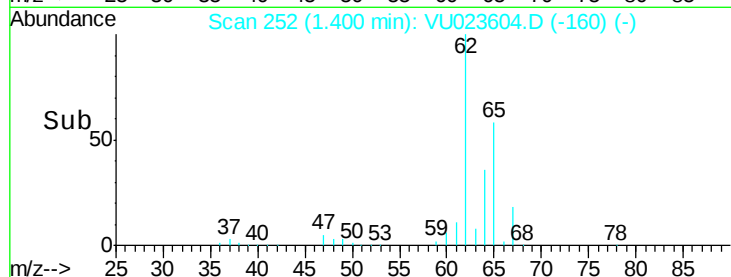
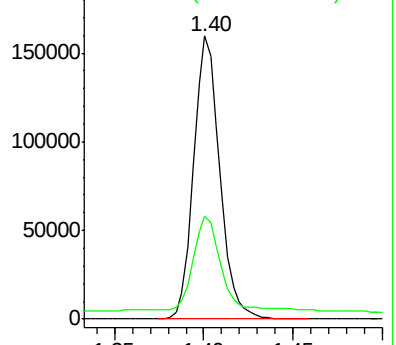
62 100

64 36.2 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 41.62 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU023604.D

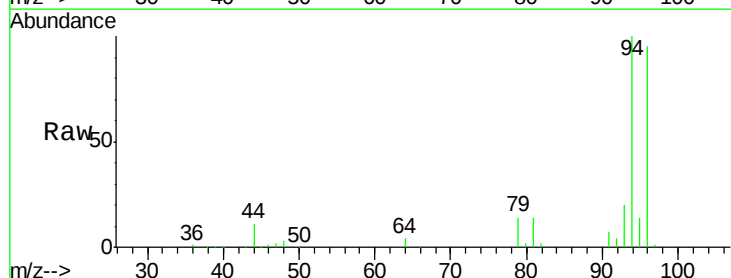
Acq: 03 May 2018 16:07

Tgt Ion: 94 Resp: 86610

Ion Ratio Lower Upper

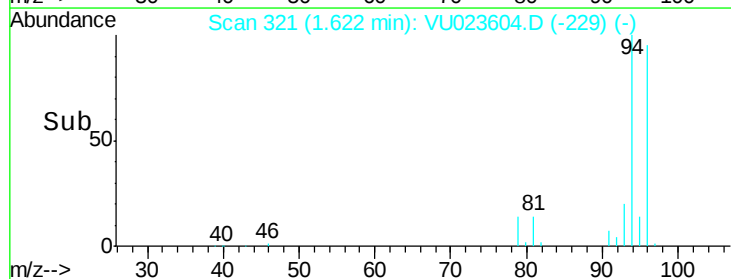
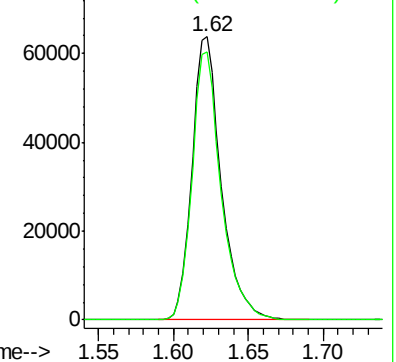
94 100

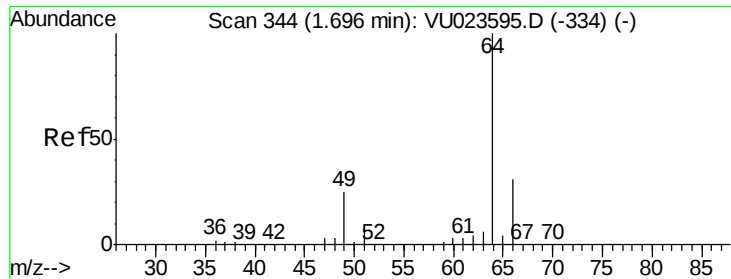
96 94.7 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

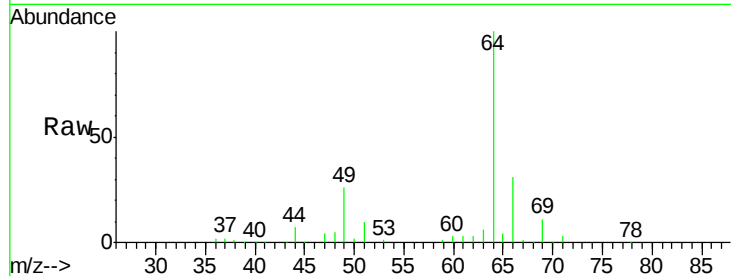
Ion 96.00 (95.70 to 96.70): VU0



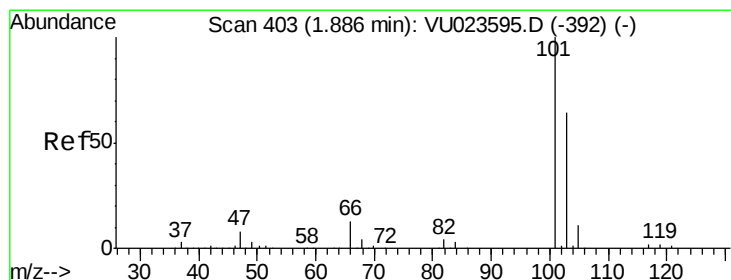
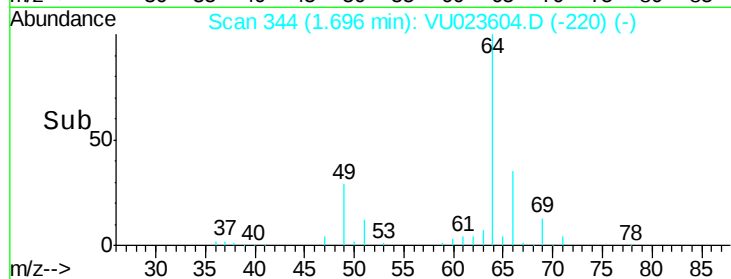
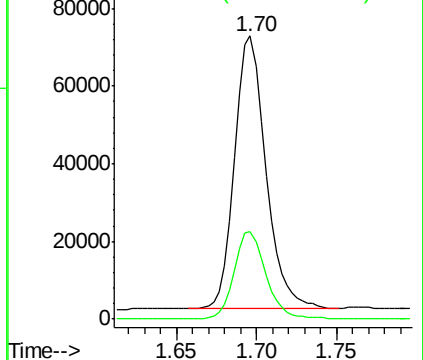


#8
Chloroethane
Concen: 39.87 ug/L
RT: 1.70 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

Tgt Ion: 64 Resp: 93562
Ion Ratio Lower Upper
64 100
66 31.2 21.7 40.3

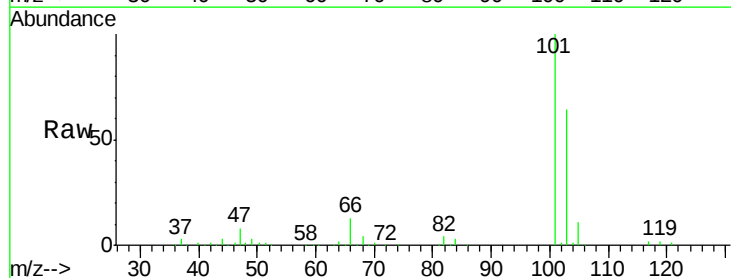


Abundance Ion 64.00 (63.70 to 64.70): VU023595.D (-334) (-)
Ion 66.00 (65.70 to 66.70): VU023595.D (-334) (-)

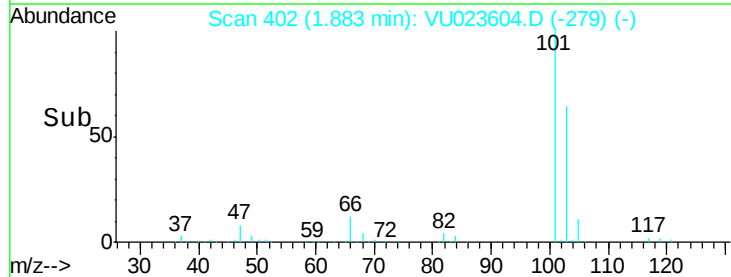
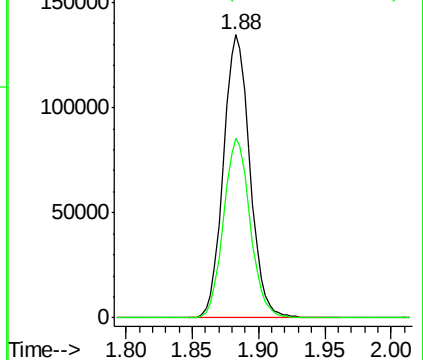


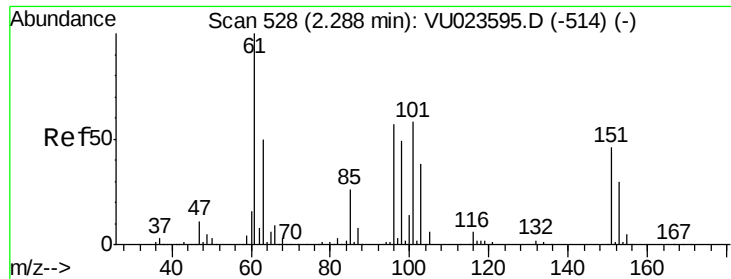
#9
Trichlorofluoromethane
Concen: 42.71 ug/L
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

Tgt Ion: 101 Resp: 186595
Ion Ratio Lower Upper
101 100
103 64.0 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU023595.D (-392) (-)
Ion 103.00 (102.70 to 103.70): VU023595.D (-392) (-)





#10

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

Concen: 39.86 ug/L

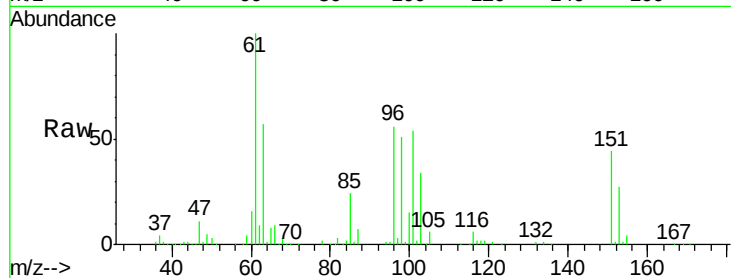
RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU023604.D

Acq: 03 May 2018 16:07

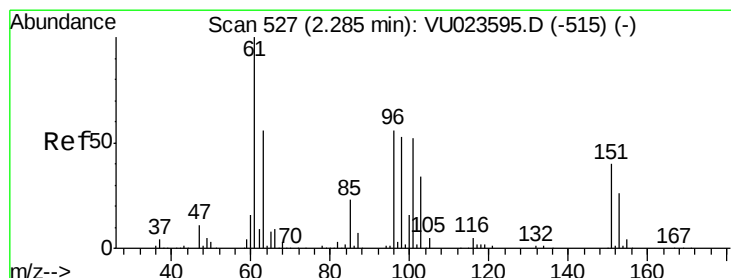
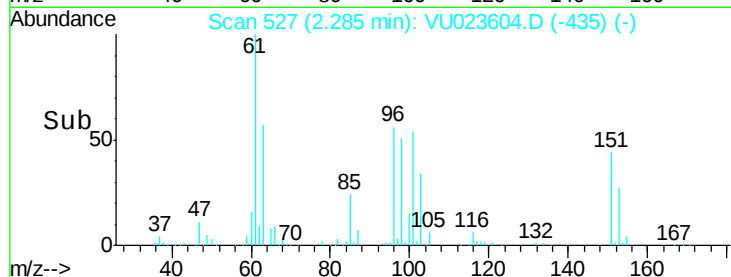
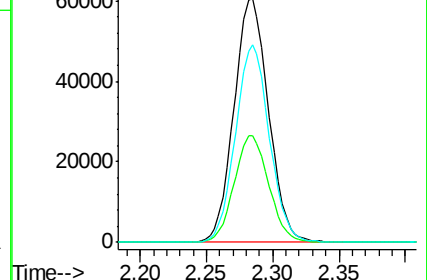
Tgt Ion:	101	Resp:	109815
Ion	Ratio	Lower	Upper
101	100		
85	43.7	34.9	52.3
151	79.5	61.0	91.6



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: 40.18 ug/L

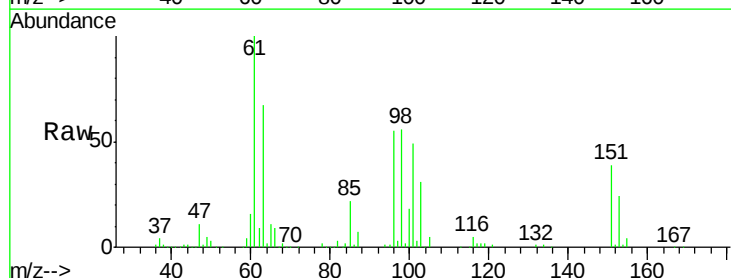
RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU023604.D

Acq: 03 May 2018 16:07

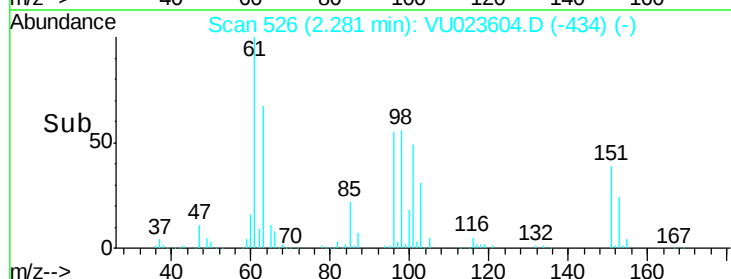
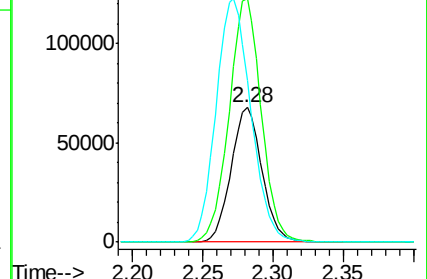
Tgt Ion:	96	Resp:	103799
Ion	Ratio	Lower	Upper
96	100		
61	180.9	125.9	233.7
63	120.4	84.8	157.6

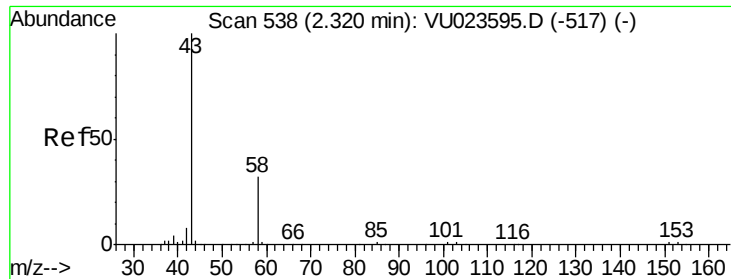


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 76.20 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU023604.D

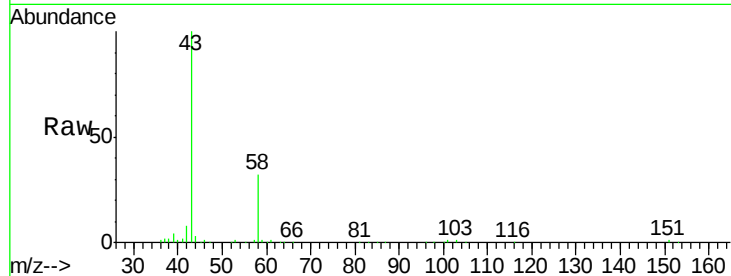
Acq: 03 May 2018 16:07

Tgt Ion: 43 Resp: 196212

Ion Ratio Lower Upper

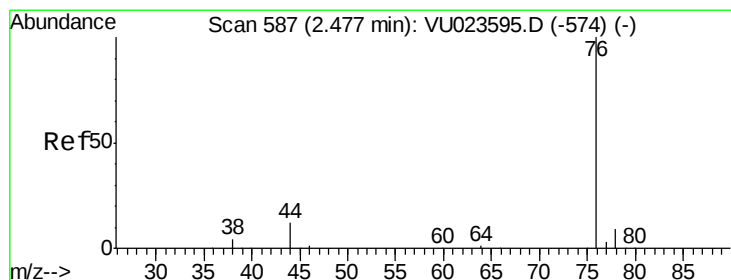
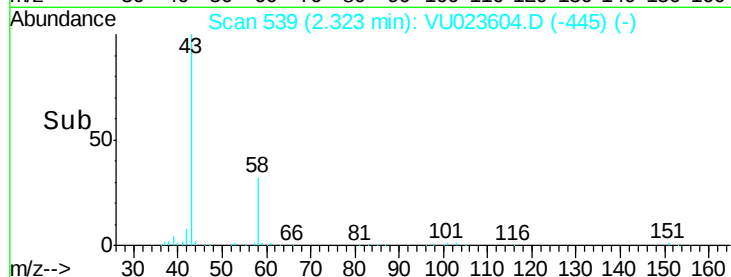
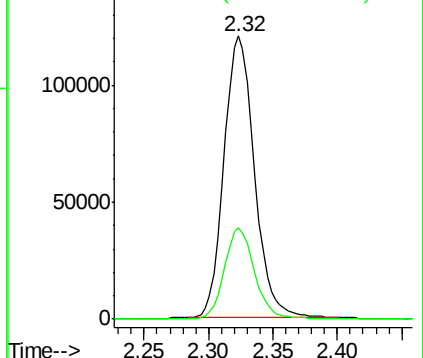
43 100

58 32.5 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: 42.04 ug/L

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU023604.D

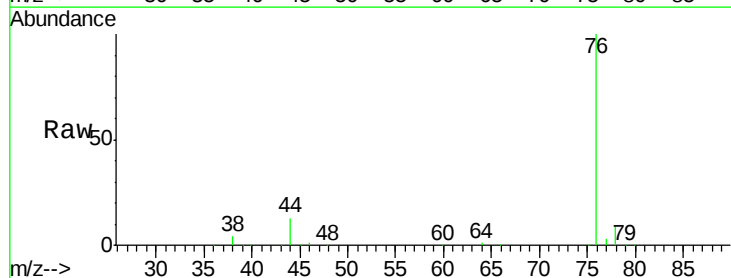
Acq: 03 May 2018 16:07

Tgt Ion: 76 Resp: 374352

Ion Ratio Lower Upper

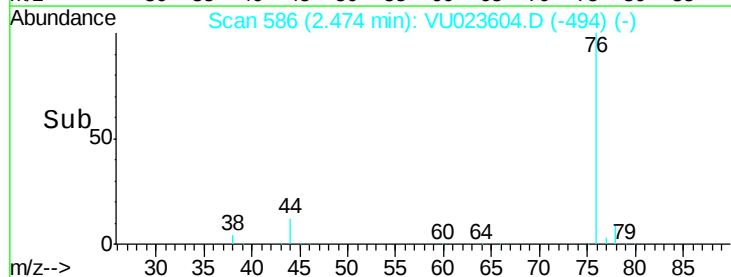
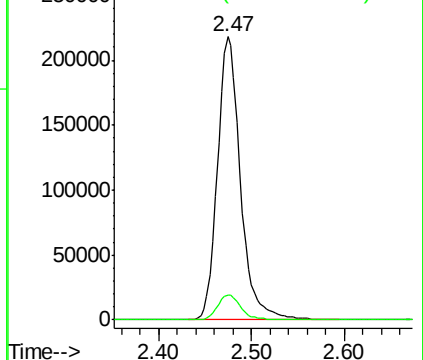
76 100

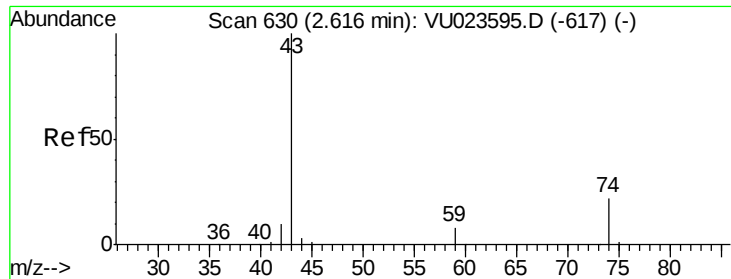
78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

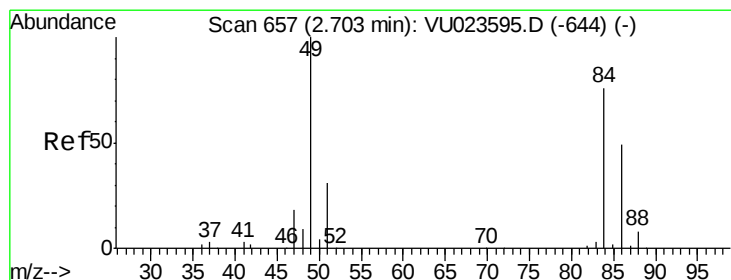
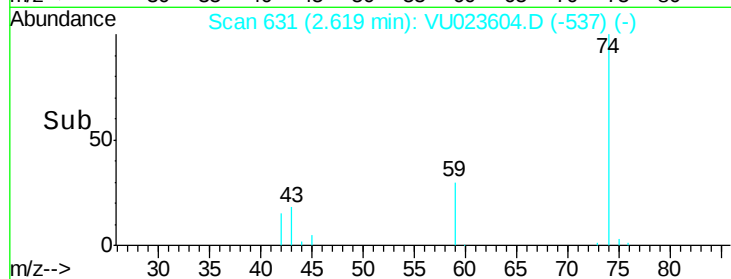
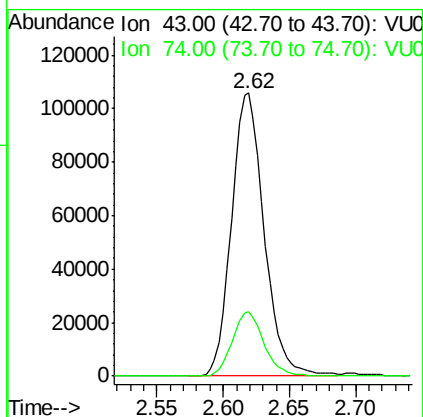
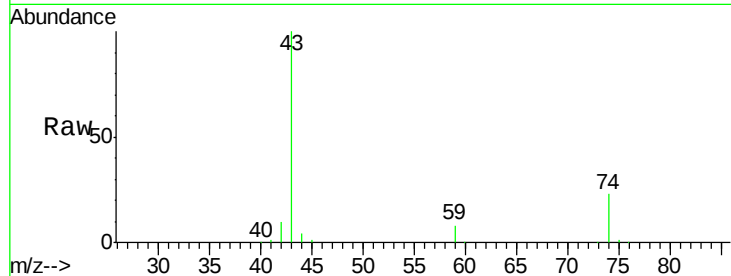
Ion 78.00 (77.70 to 78.70): VU0





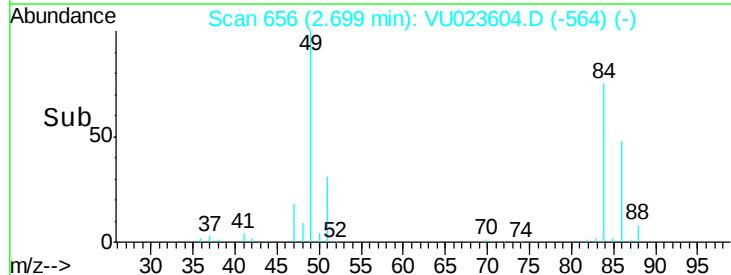
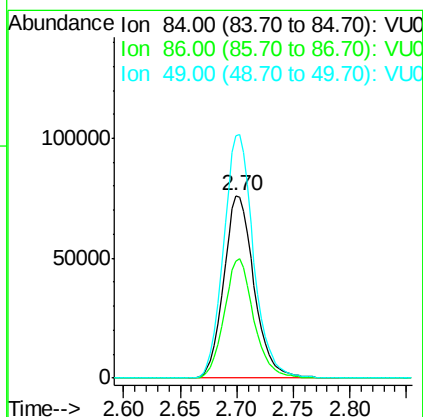
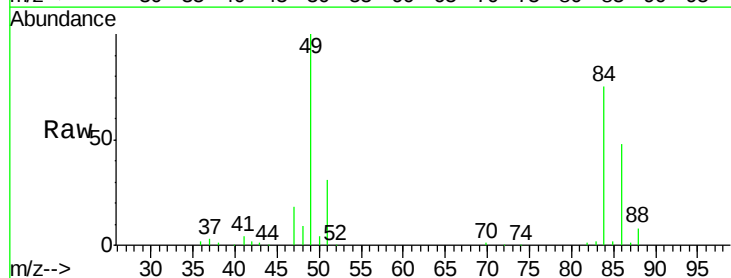
#15
Methyl Acetate
Concen: 53.04 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

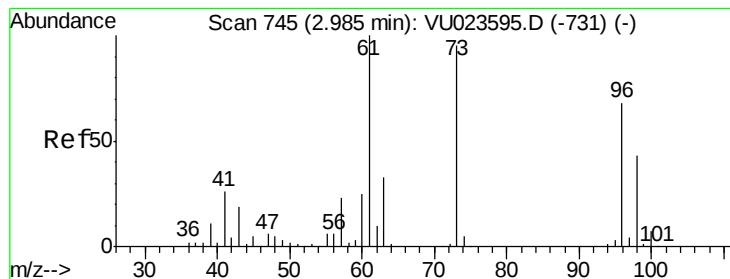
Tgt Ion: 43 Resp: 180921
Ion Ratio Lower Upper
43 100
74 22.1 17.5 26.3



#16
Methylene chloride
Concen: 44.02 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

Tgt Ion: 84 Resp: 141920
Ion Ratio Lower Upper
84 100
86 64.2 45.6 84.8
49 133.0 91.9 170.7





#17

trans-1,2-Dichloroethene

Concen: 43.37 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU023604.D

Acq: 03 May 2018 16:07

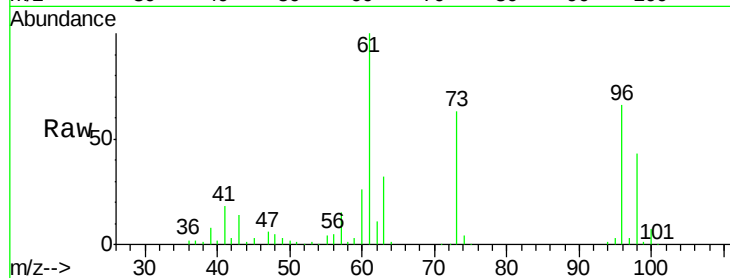
Tgt Ion: 96 Resp: 122573

Ion Ratio Lower Upper

96 100

61 151.8 106.9 198.5

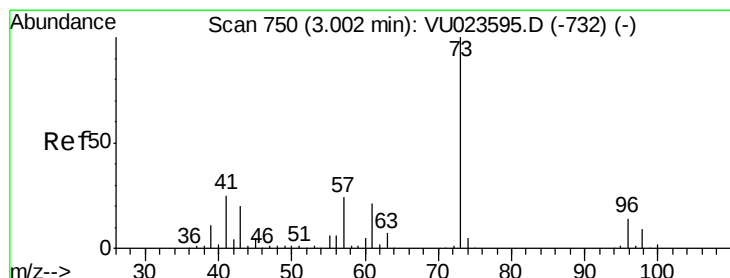
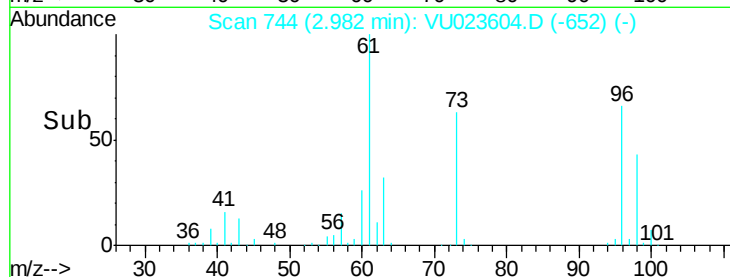
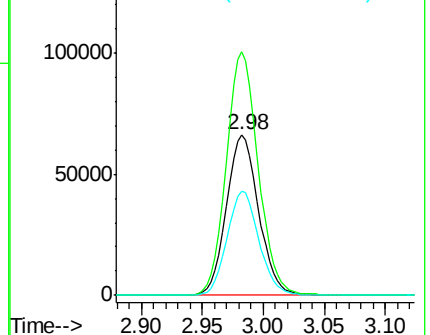
98 65.1 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU023595.D (-731) (-)

Ion 61.00 (60.70 to 61.70): VU023595.D (-731) (-)

Ion 98.00 (97.70 to 98.70): VU023595.D (-731) (-)



#18

Methyl tert-butyl Ether

Concen: 45.81 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU023604.D

Acq: 03 May 2018 16:07

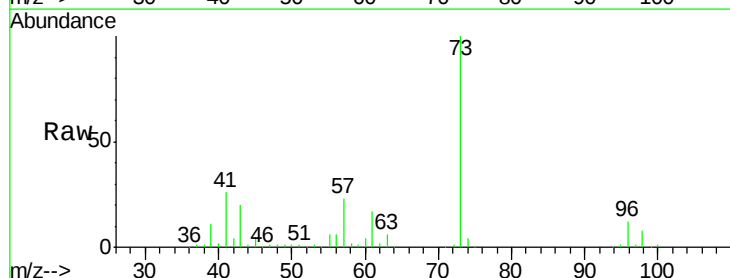
Tgt Ion: 73 Resp: 382788

Ion Ratio Lower Upper

73 100

43 20.2 15.5 23.3

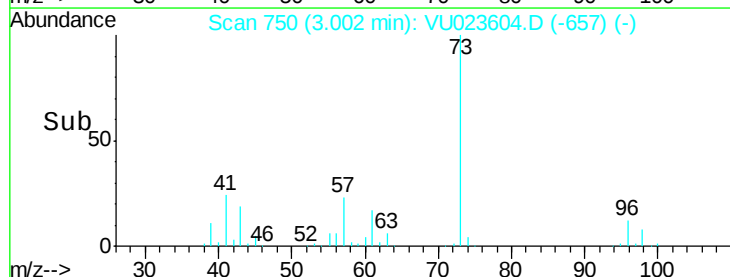
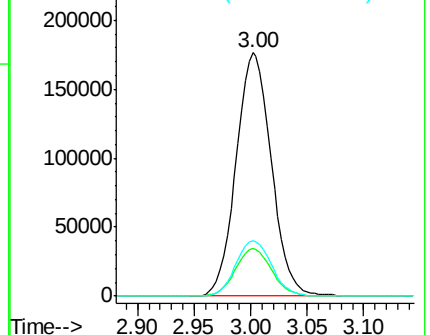
57 23.4 18.5 27.7

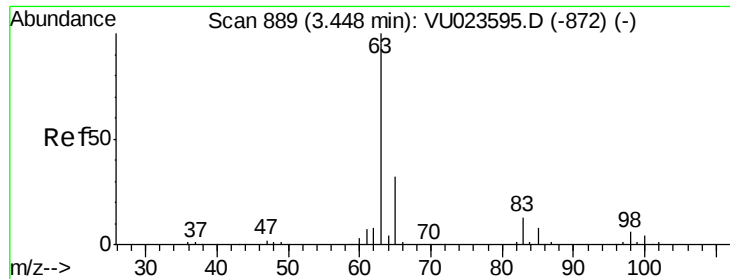


Abundance Ion 73.00 (72.70 to 73.70): VU023595.D (-732) (-)

Ion 43.00 (42.70 to 43.70): VU023595.D (-732) (-)

Ion 57.00 (56.70 to 57.70): VU023595.D (-732) (-)





#19

1,1-Dichloroethane

Concen: 44.68 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU023604.D

Acq: 03 May 2018 16:07

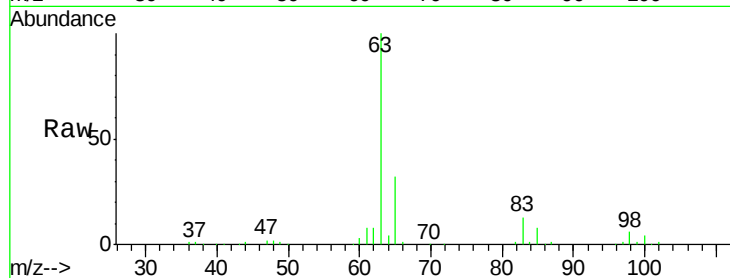
Tgt Ion: 63 Resp: 250622

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.5

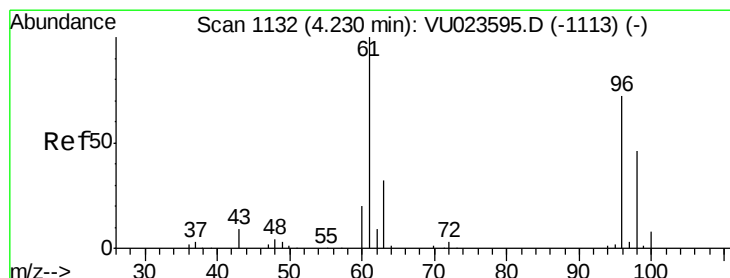
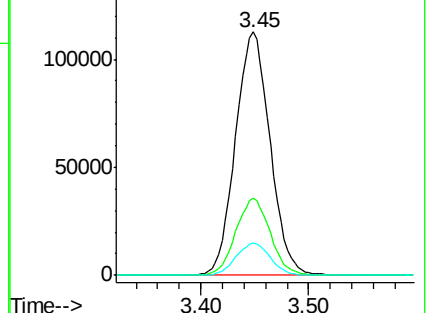
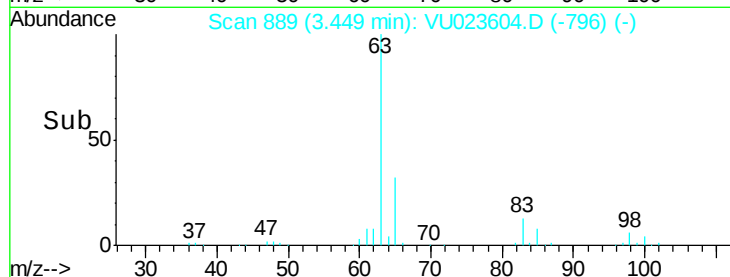
83 13.3 8.7 16.1



Abundance Ion 63.00 (62.70 to 63.70): VU023604.D (-796) (-)

Ion 65.00 (64.70 to 65.70): VU023604.D (-796) (-)

Ion 83.00 (82.70 to 83.70): VU023604.D (-796) (-)



#20

cis-1,2-Dichloroethene

Concen: 44.78 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU023604.D

Acq: 03 May 2018 16:07

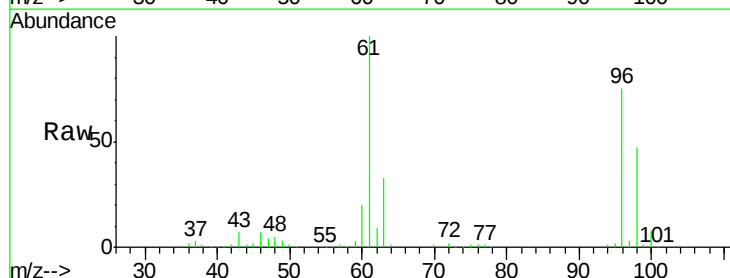
Tgt Ion: 96 Resp: 140460

Ion Ratio Lower Upper

96 100

61 132.9 95.3 177.1

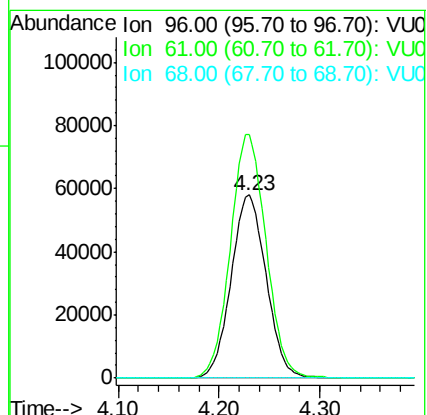
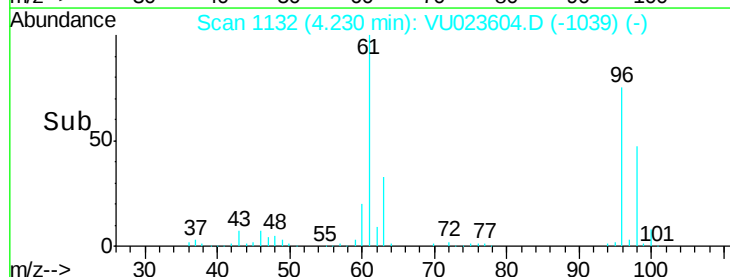
68 0.0 0.0 0.0

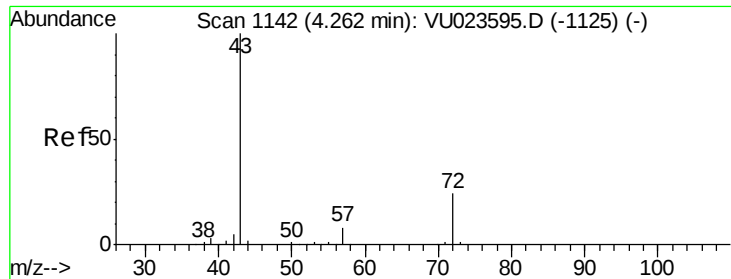


Abundance Ion 96.00 (95.70 to 96.70): VU023604.D (-1039) (-)

Ion 61.00 (60.70 to 61.70): VU023604.D (-1039) (-)

Ion 68.00 (67.70 to 68.70): VU023604.D (-1039) (-)





#22

2-Butanone

Concen: 96.57 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU023604.D

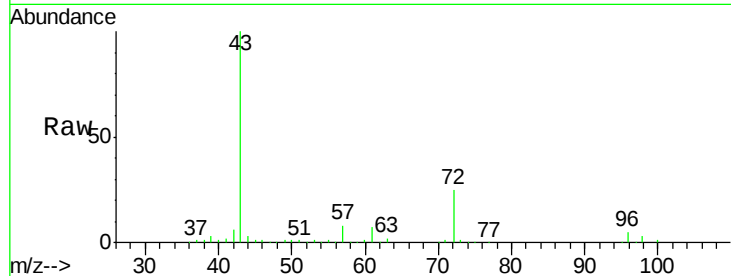
Acq: 03 May 2018 16:07

Tgt Ion: 43 Resp: 276553

Ion Ratio Lower Upper

43 100

72 24.8 12.3 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.27

120000

100000

80000

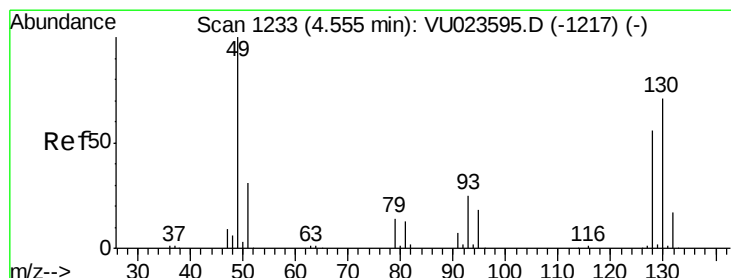
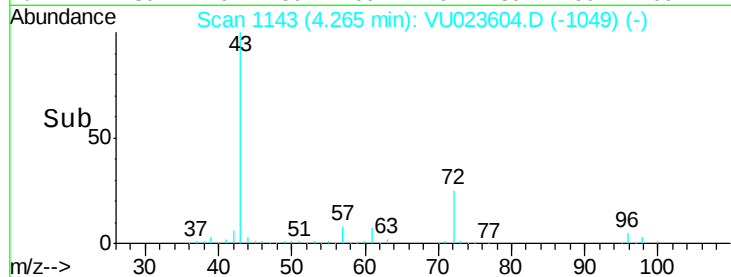
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 43.83 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU023604.D

Acq: 03 May 2018 16:07

Tgt Ion: 128 Resp: 69012

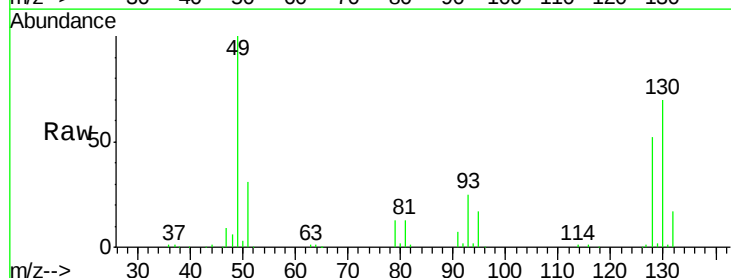
Ion Ratio Lower Upper

128 100

49 191.8 123.7 229.7

130 134.1 90.6 168.3

51 58.6 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

80000

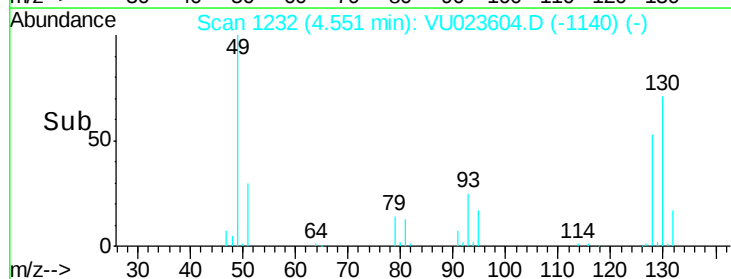
60000

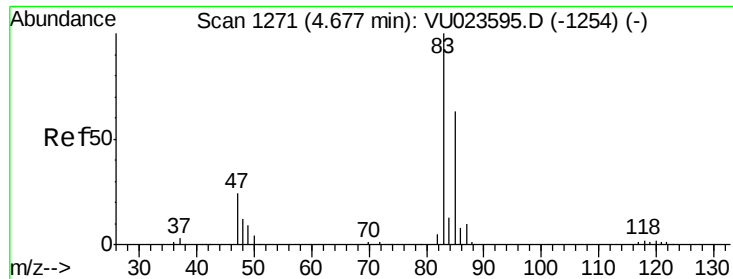
40000

20000

0

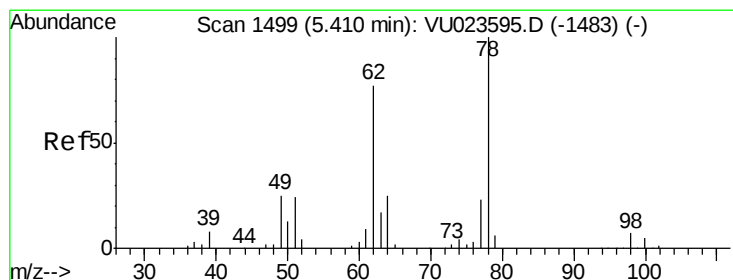
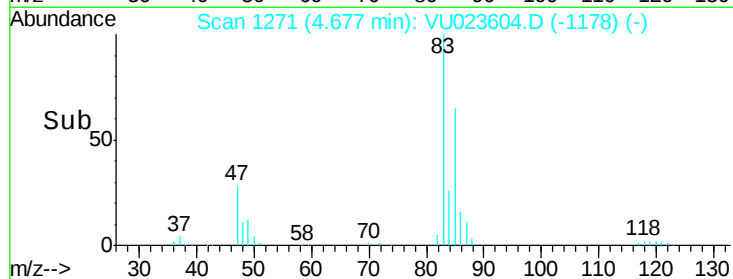
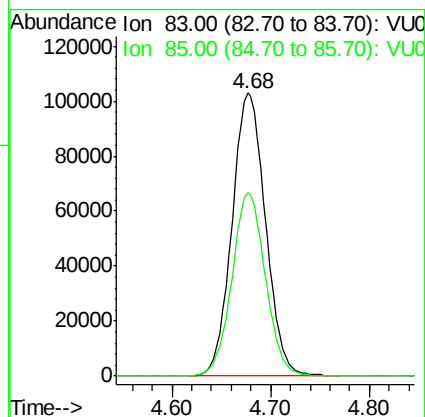
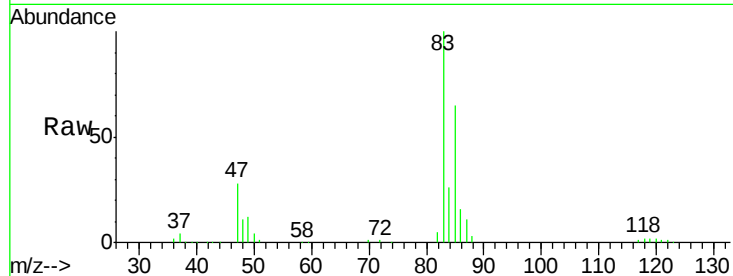
Time-->





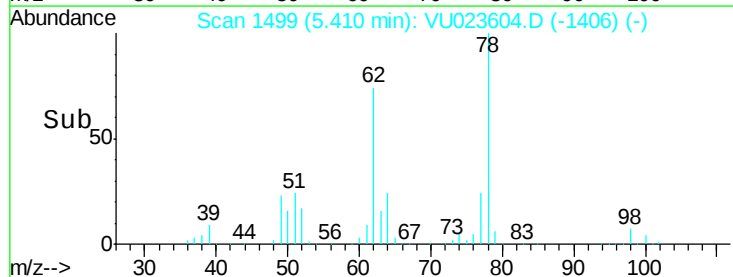
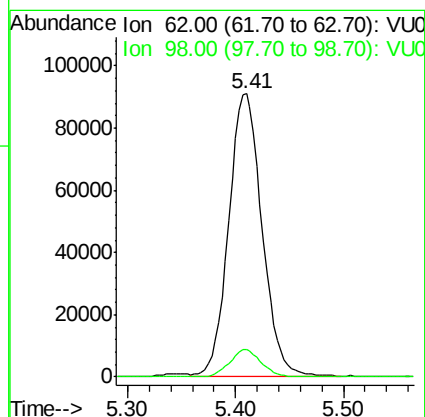
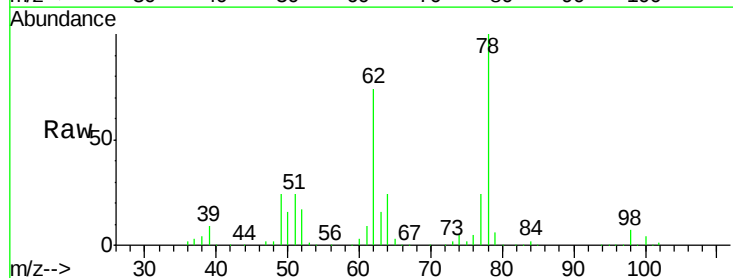
#25
Chloroform
Concen: 42.28 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

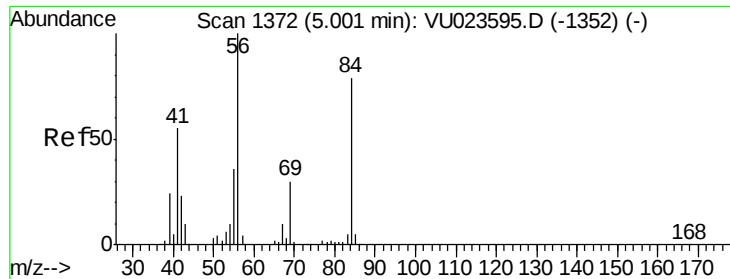
Tgt Ion: 83 Resp: 243212
Ion Ratio Lower Upper
83 100
85 64.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 45.70 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

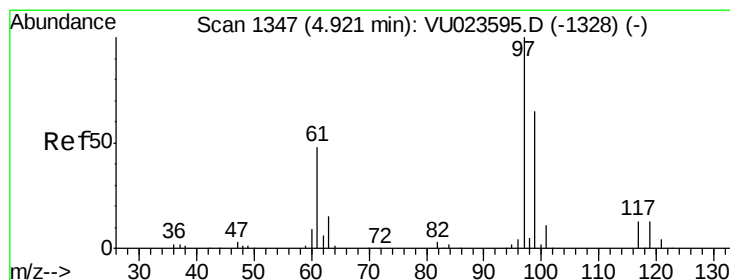
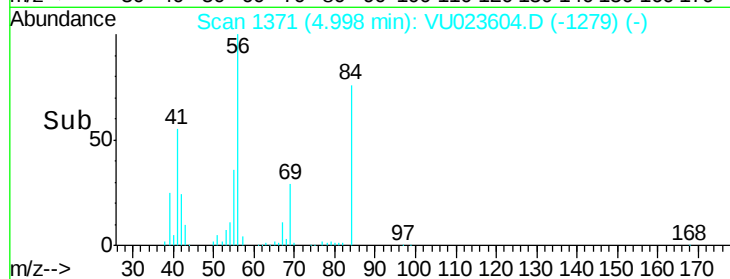
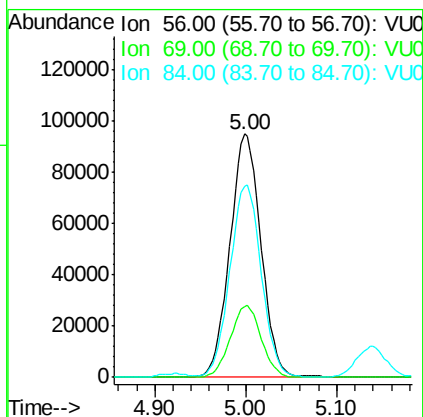
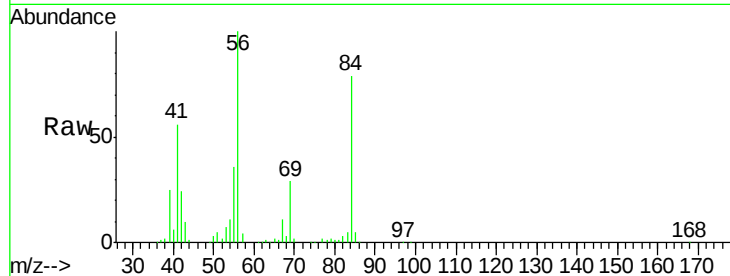
Tgt Ion: 62 Resp: 194918
Ion Ratio Lower Upper
62 100
98 9.6 7.3 10.9





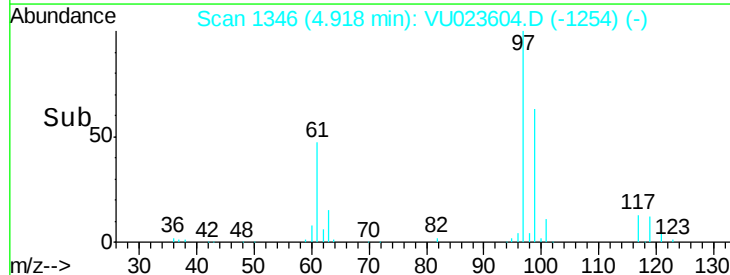
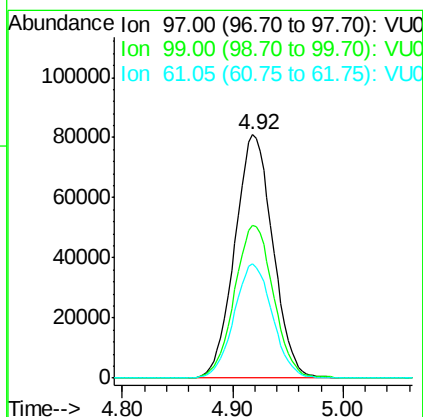
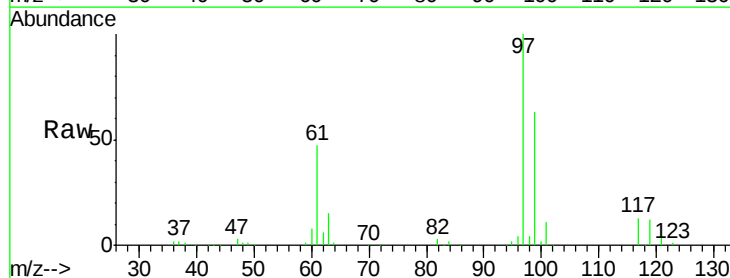
#29
Cyclohexane
Concen: 44.73 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

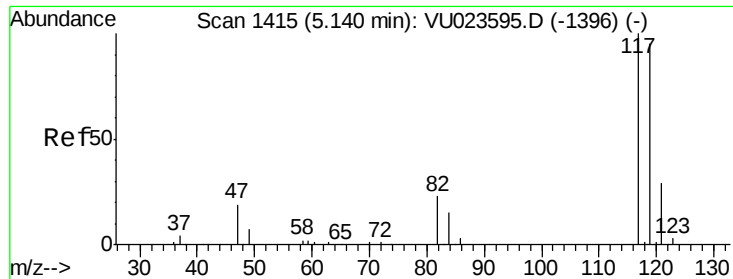
Tgt Ion: 56 Resp: 225255
Ion Ratio Lower Upper
56 100
69 29.4 23.5 35.3
84 79.9 63.8 95.8



#30
1,1,1-Trichloroethane
Concen: 44.95 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

Tgt Ion: 97 Resp: 193998
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 47.1 37.7 56.5





#31

Carbon tetrachloride

Concen: 45.07 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU023604.D

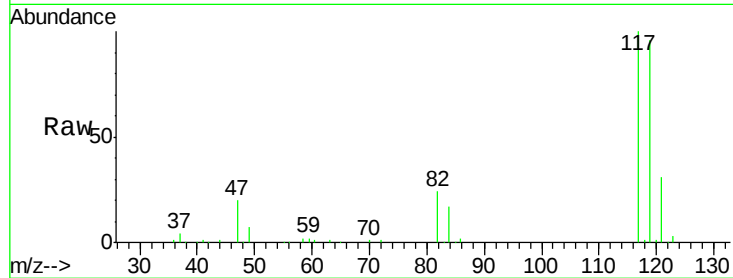
Acq: 03 May 2018 16:07

Tgt Ion: 117 Resp: 169015

Ion Ratio Lower Upper

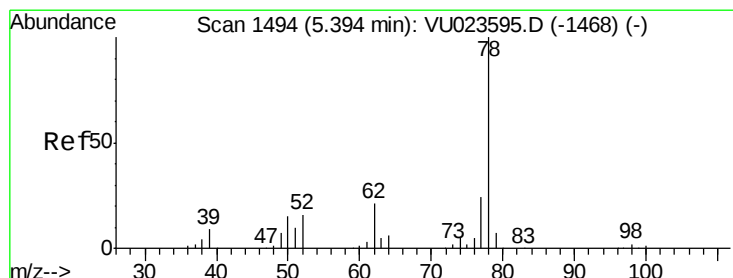
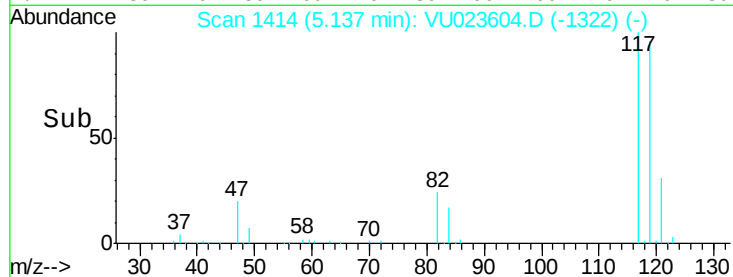
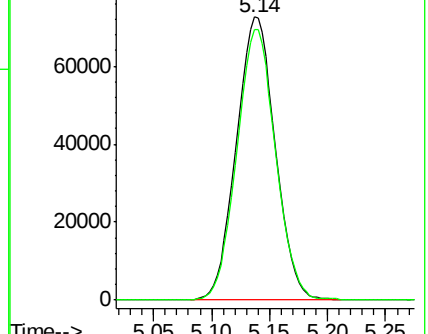
117 100

119 95.5 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: 45.30 ug/L

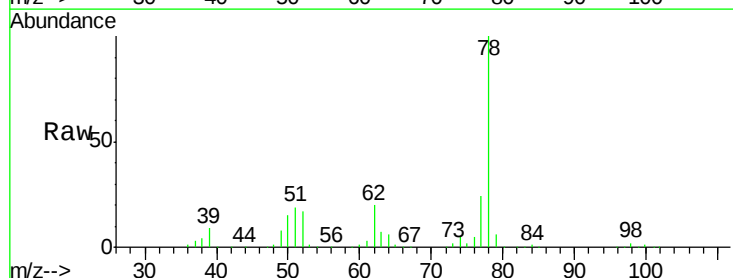
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

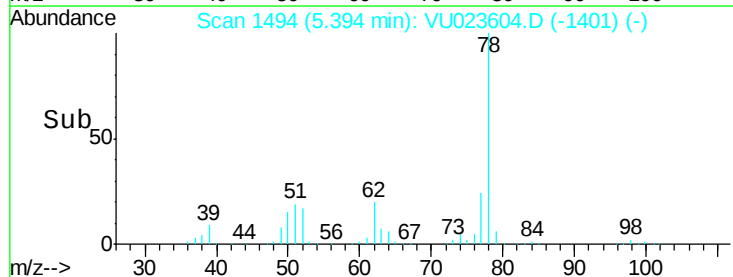
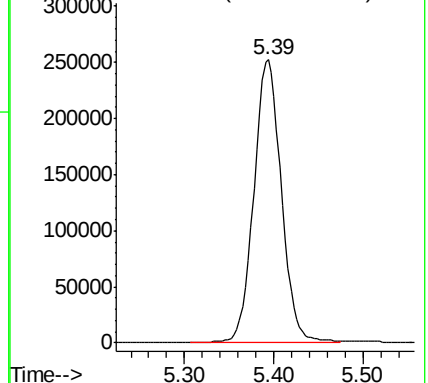
Lab File: VU023604.D

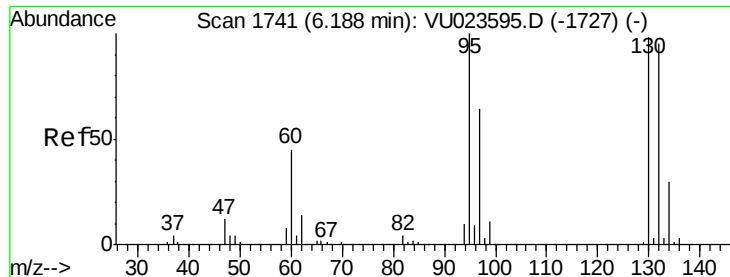
Acq: 03 May 2018 16:07

Tgt Ion: 78 Resp: 543956



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 43.85 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU023604.D

Acq: 03 May 2018 16:07

Tgt Ion: 95 Resp: 134898

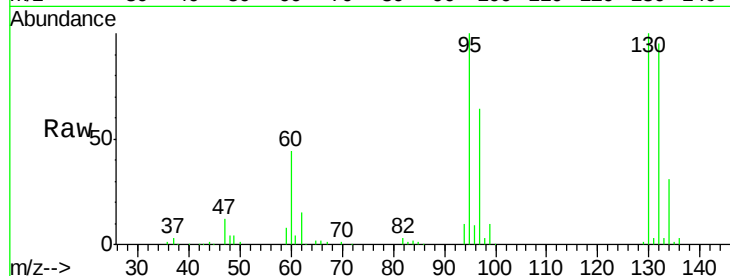
Ion Ratio Lower Upper

95 100

97 64.5 46.3 85.9

132 95.4 68.5 127.1

130 100.5 70.8 131.4

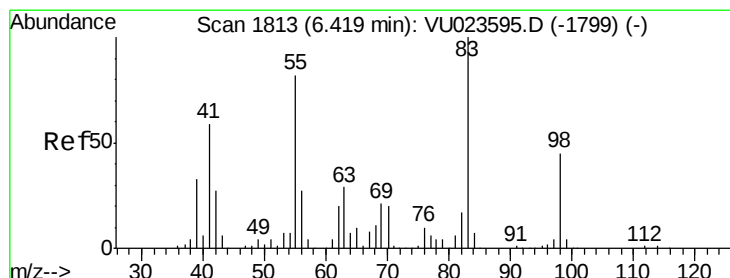
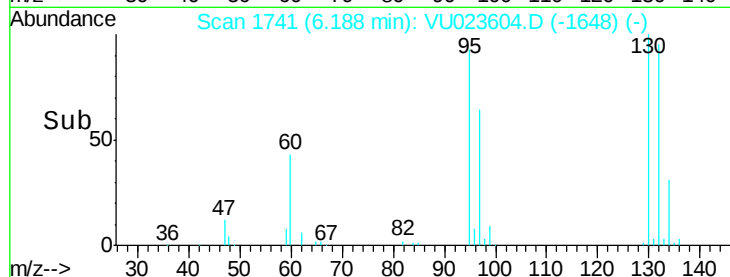
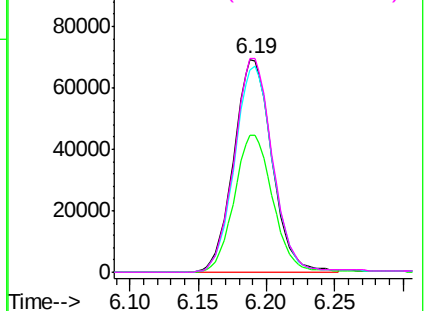


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 43.49 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU023604.D

Acq: 03 May 2018 16:07

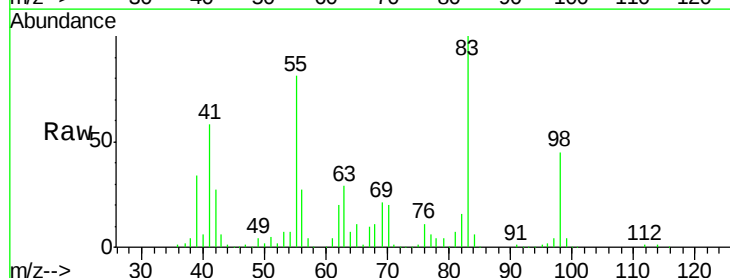
Tgt Ion: 83 Resp: 209274

Ion Ratio Lower Upper

83 100

55 84.9 66.7 100.1

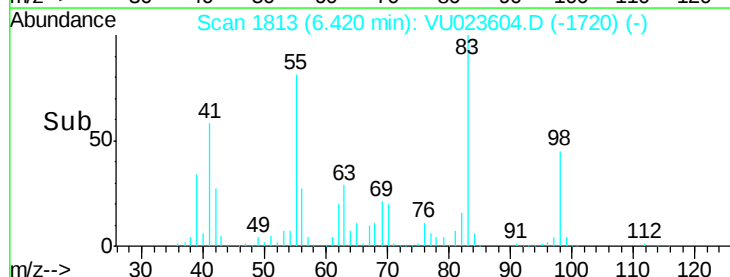
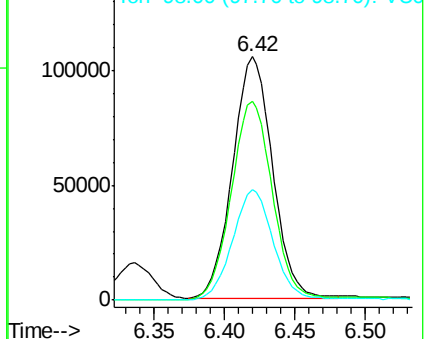
98 46.5 36.6 54.8

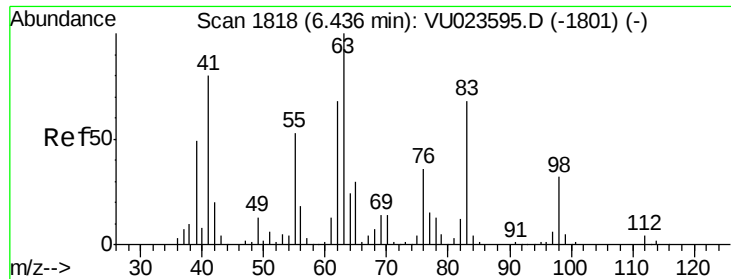


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

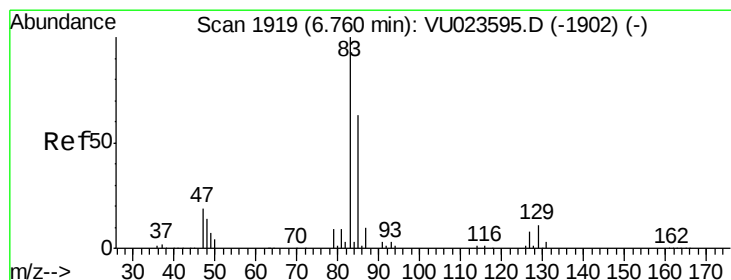
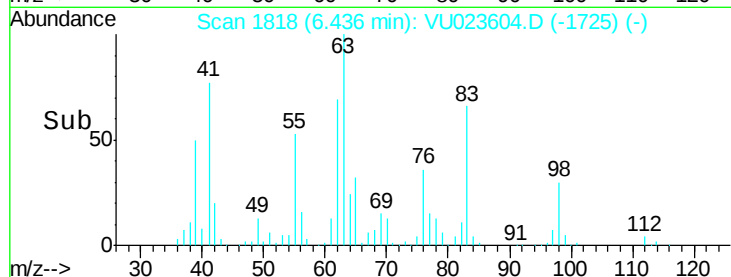
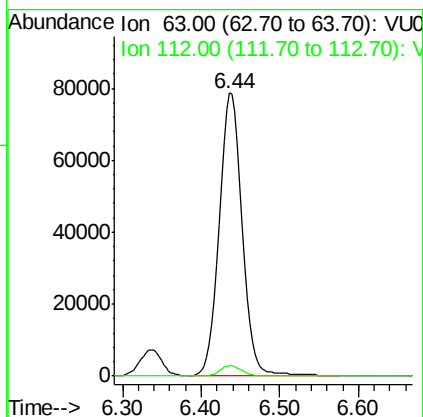
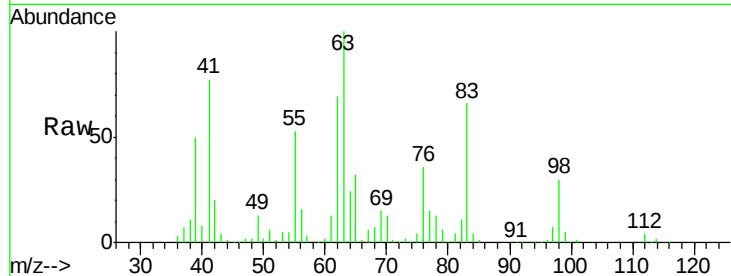
Ion 98.00 (97.70 to 98.70): VU0





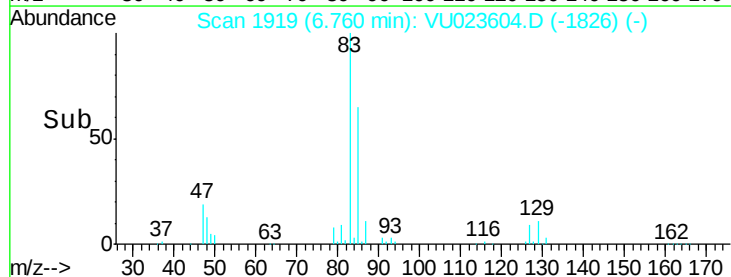
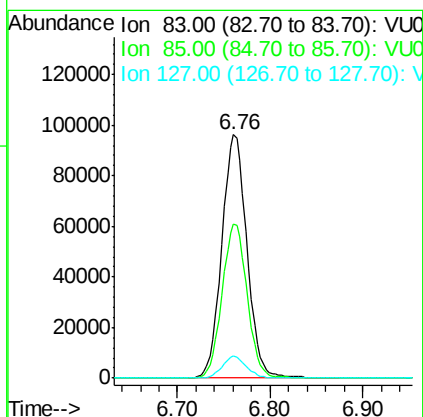
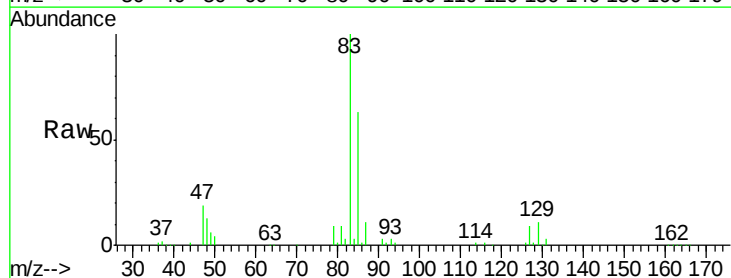
#37
 1,2-Dichloropropane
 Concen: 45.61 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU023604.D
 Acq: 03 May 2018 16:07

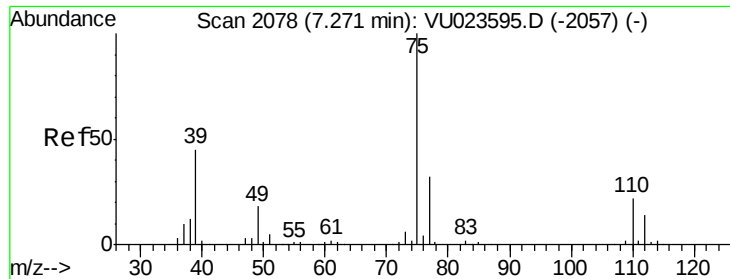
Tgt Ion: 63 Resp: 156960
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 46.24 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU023604.D
 Acq: 03 May 2018 16:07

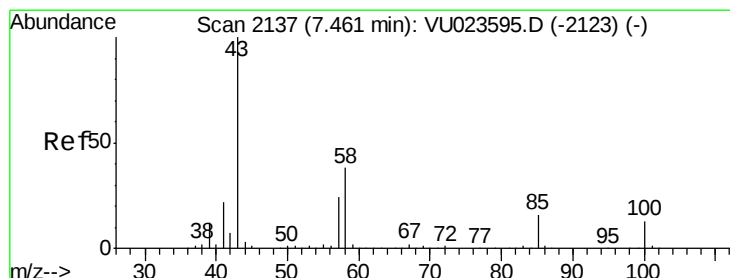
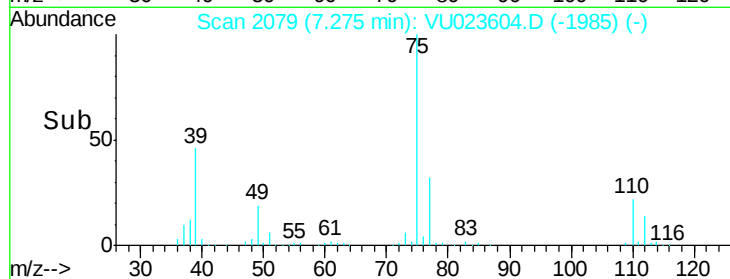
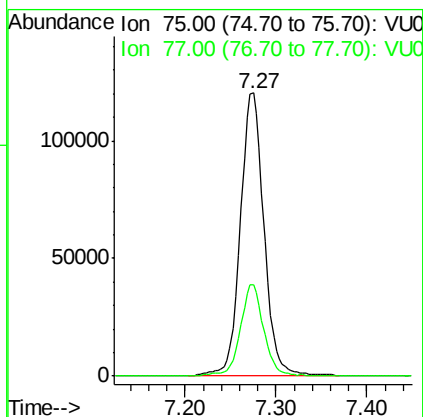
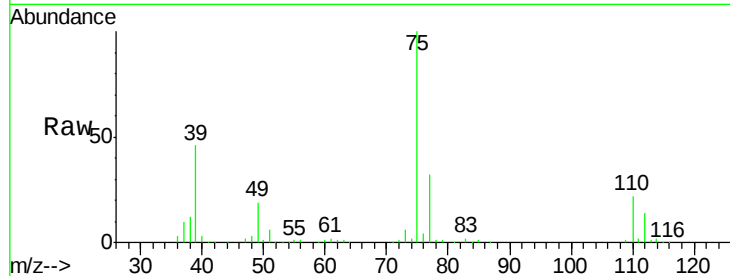
Tgt Ion: 83 Resp: 179532
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.1 83.7
 127 8.9 6.9 10.3





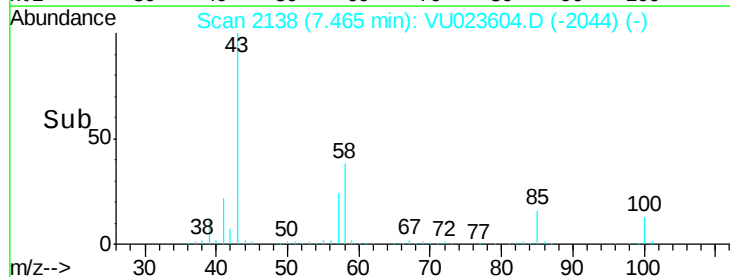
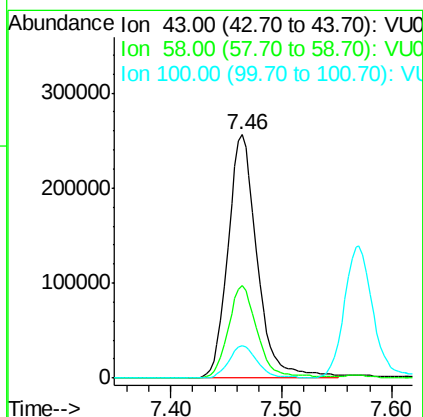
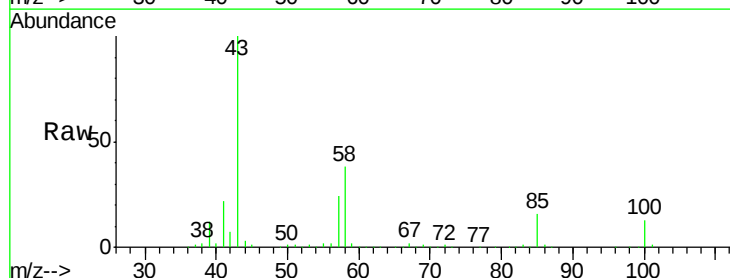
#39
 cis-1,3-Dichloropropene
 Concen: 45.94 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU023604.D
 Acq: 03 May 2018 16:07

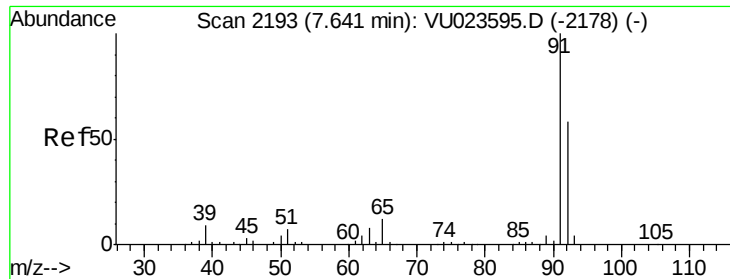
Tgt Ion: 75 Resp: 217829
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 112.19 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU023604.D
 Acq: 03 May 2018 16:07

Tgt Ion: 43 Resp: 471368
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.8 46.2
 100 13.2 10.7 16.1





#42

Toluene

Concen: 46.25 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU023604.D

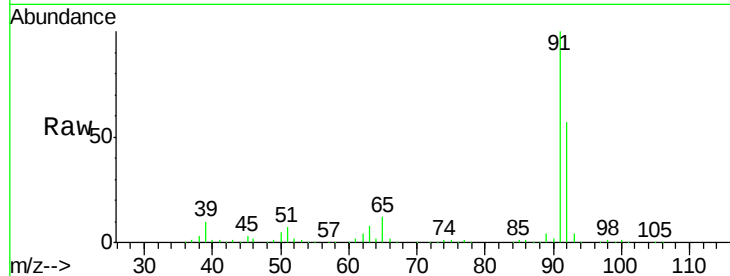
Acq: 03 May 2018 16:07

Tgt Ion: 91 Resp: 575535

Ion Ratio Lower Upper

91 100

92 56.7 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

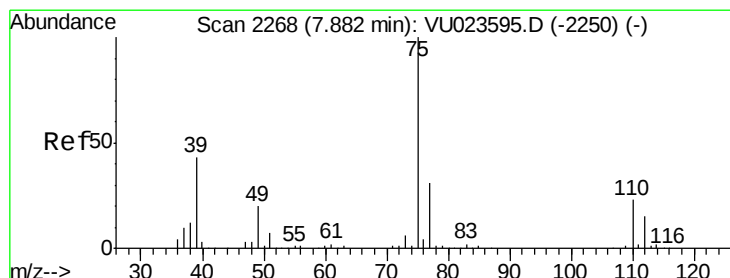
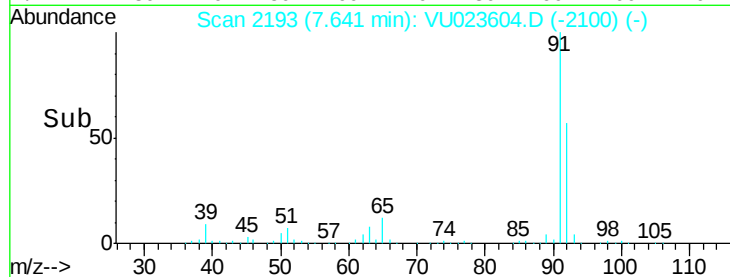
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.22 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU023604.D

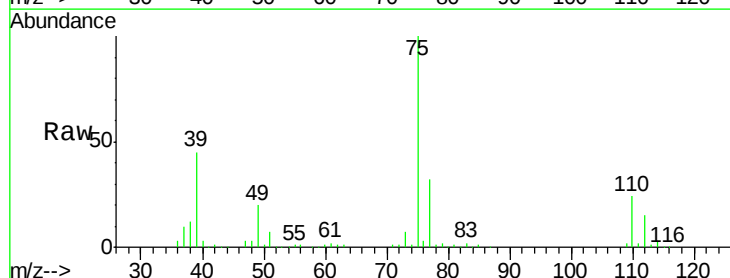
Acq: 03 May 2018 16:07

Tgt Ion: 75 Resp: 199794

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

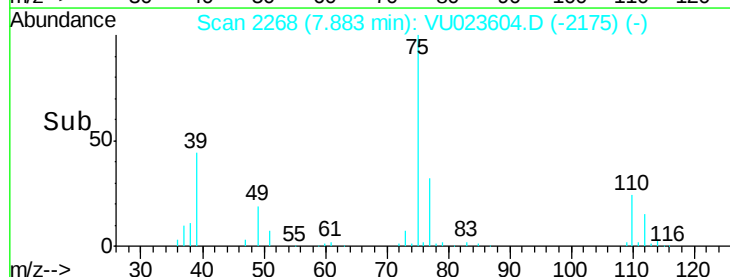
7.88

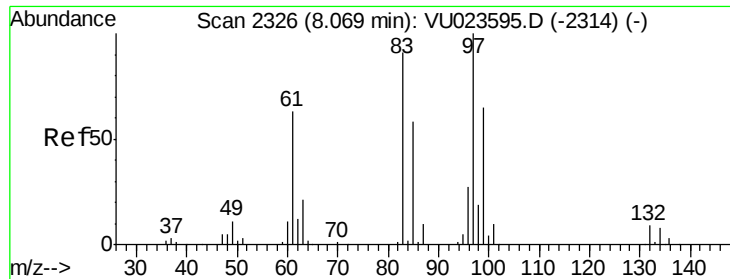
100000

50000

0

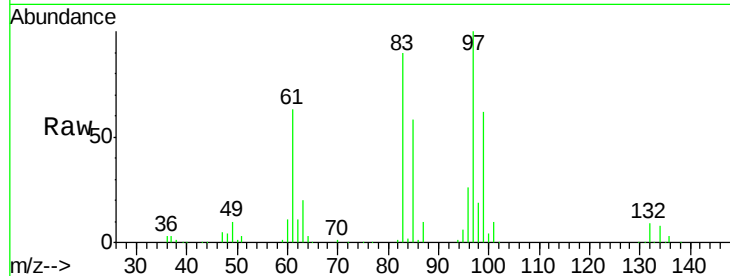
Time-->



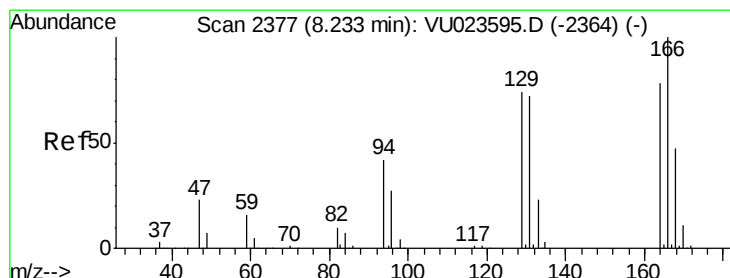
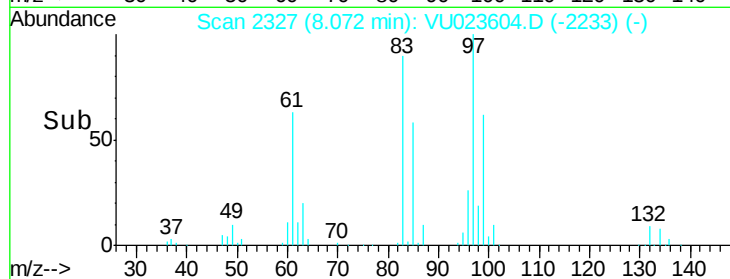
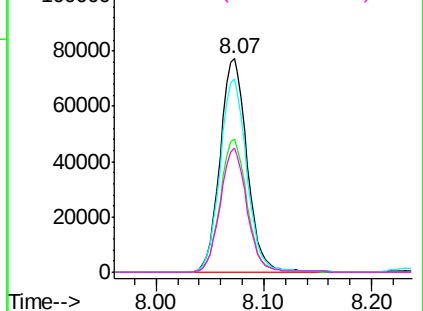


#45
 1,1,2-Trichloroethane
 Concen: 46.08 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU023604.D
 Acq: 03 May 2018 16:07

Tgt Ion:	97	Resp:	134738
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.2	82.2
83	90.3	63.1	117.1
85	57.9	40.3	74.8

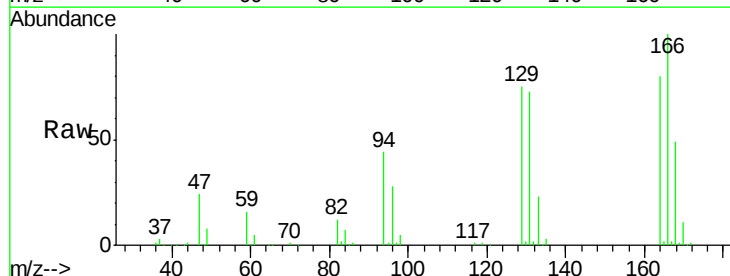


Abundance Ion 97.00 (96.70 to 97.70): VU023595.D (-2314) (-)
 Ion 99.00 (98.70 to 99.70): VU023595.D (-2314) (-)
 Ion 83.00 (82.70 to 83.70): VU023595.D (-2314) (-)
 Ion 85.00 (84.70 to 85.70): VU023595.D (-2314) (-)

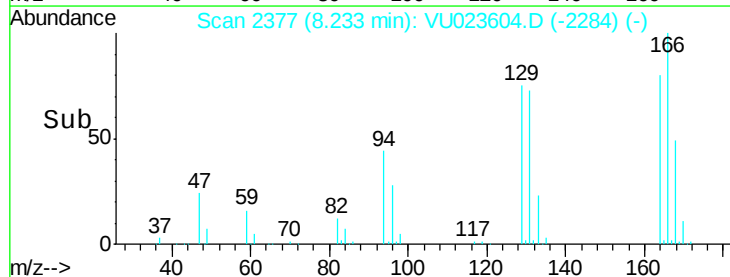
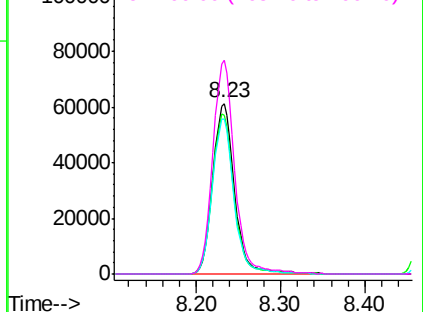


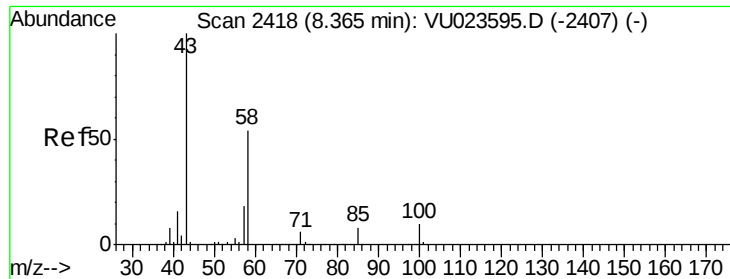
#46
 Tetrachloroethene
 Concen: 43.88 ug/L
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU023604.D
 Acq: 03 May 2018 16:07

Tgt Ion:	164	Resp:	110018
Ion	Ratio	Lower	Upper
164	100		
129	93.4	64.2	119.2
131	91.1	64.1	119.1
166	125.3	89.4	166.0



Abundance Ion 164.00 (163.70 to 164.70): VU023595.D (-2364) (-)
 Ion 129.00 (128.70 to 129.70): VU023595.D (-2364) (-)
 Ion 131.00 (130.70 to 131.70): VU023595.D (-2364) (-)
 Ion 166.00 (165.70 to 166.70): VU023595.D (-2364) (-)

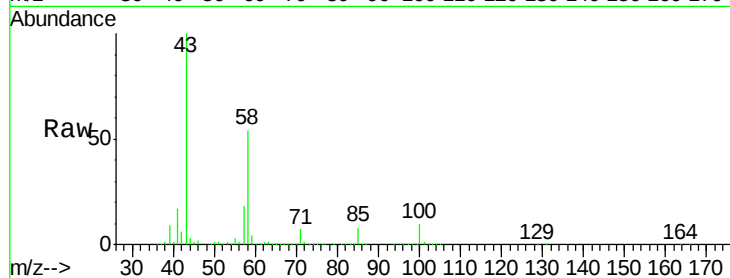




#48
2-Hexanone
Concen: 103.69 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

Tgt Ion: 43 Resp: 379445

Ion	Ratio	Lower	Upper
43	100		
58	54.2	43.0	64.6
57	18.3	14.6	22.0
100	10.5	8.4	12.6

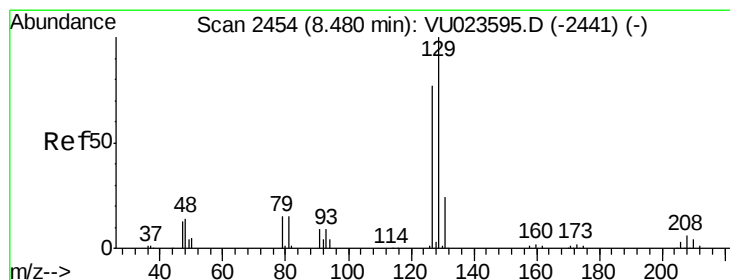
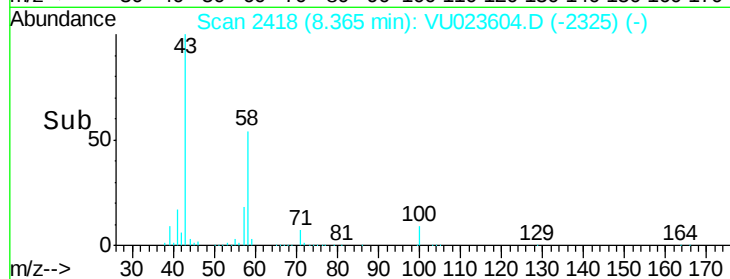
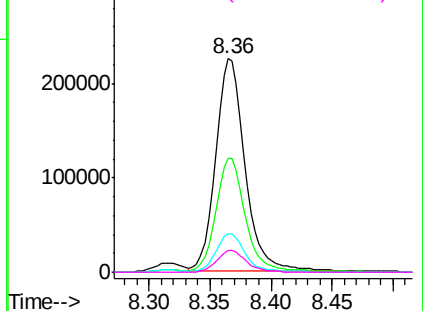


Abundance Ion 43.00 (42.70 to 43.70): VU023595.D (-2407) (-)

Ion 58.00 (57.70 to 58.70): VU023595.D (-2407) (-)

Ion 57.00 (56.70 to 57.70): VU023595.D (-2407) (-)

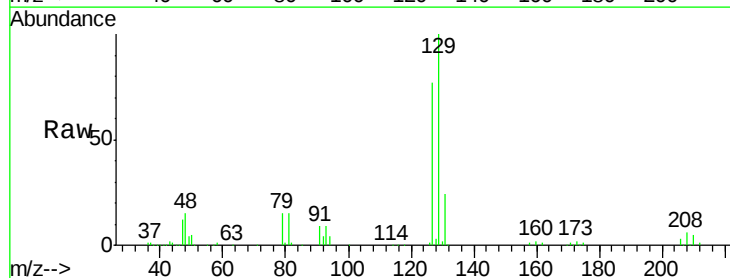
Ion 100.00 (99.70 to 100.70): VU023595.D (-2407) (-)



#49
Dibromochloromethane
Concen: 46.35 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

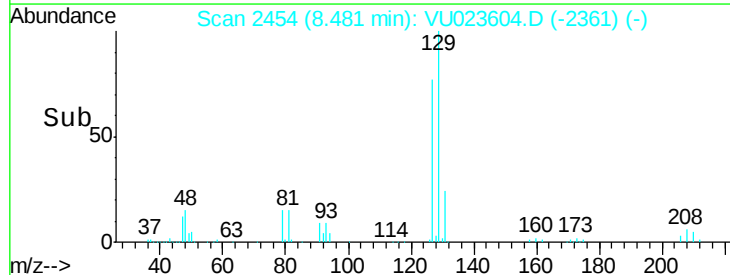
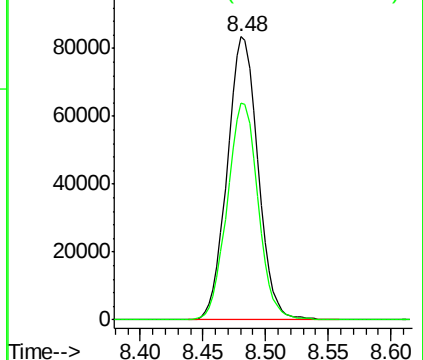
Tgt Ion: 129 Resp: 142745

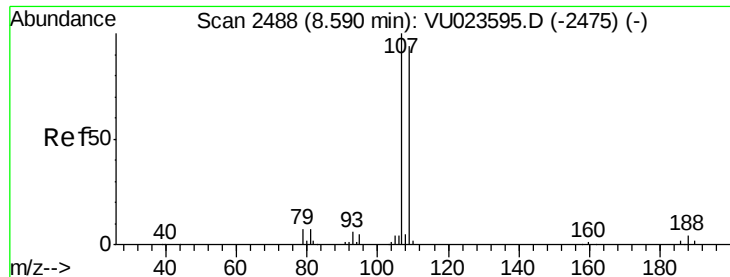
Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.3	99.1



Abundance Ion 129.00 (128.70 to 129.70): VU023595.D (-2441) (-)

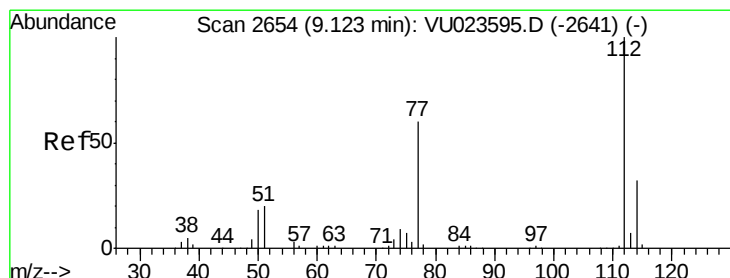
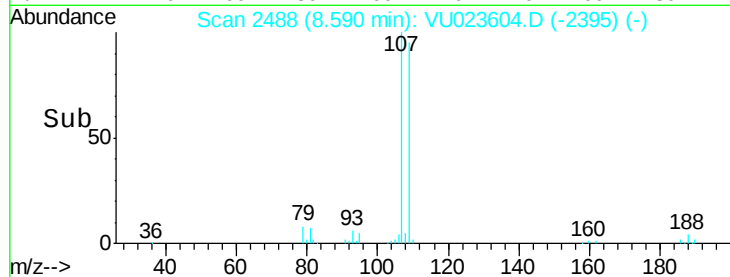
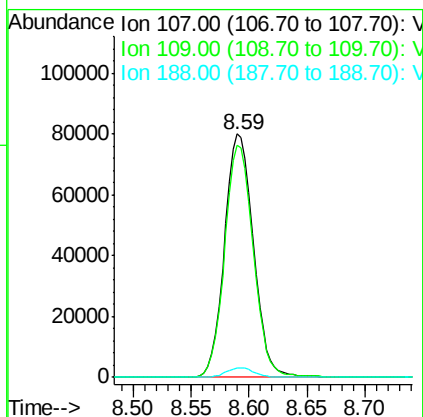
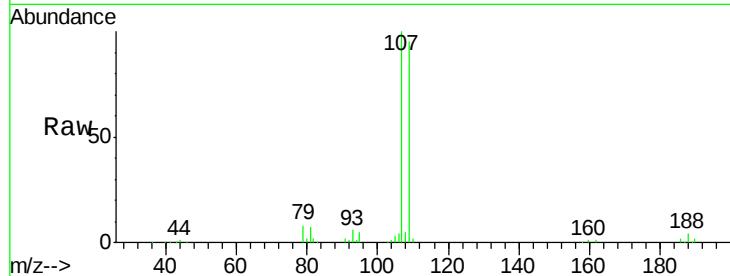
Ion 127.00 (126.70 to 127.70): VU023595.D (-2441) (-)





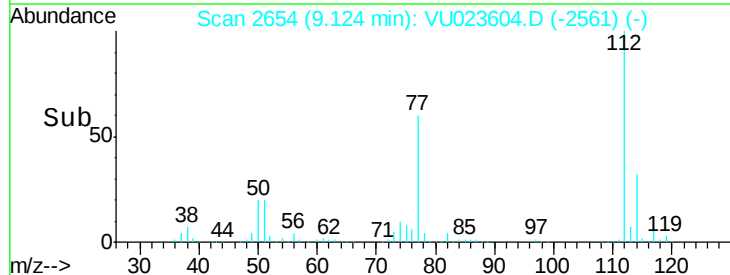
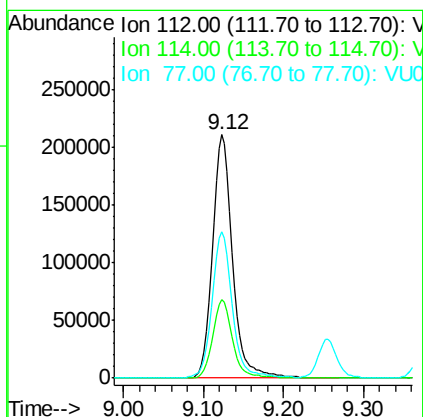
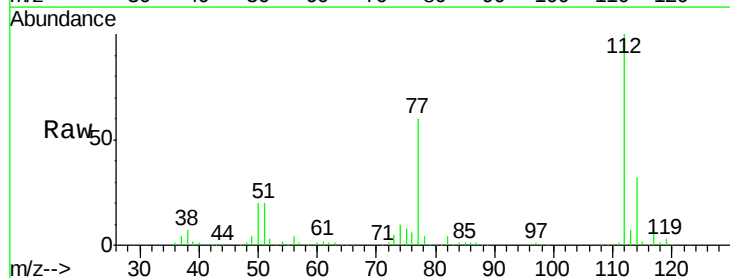
#50
1,2-Dibromoethane
Concen: 46.93 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

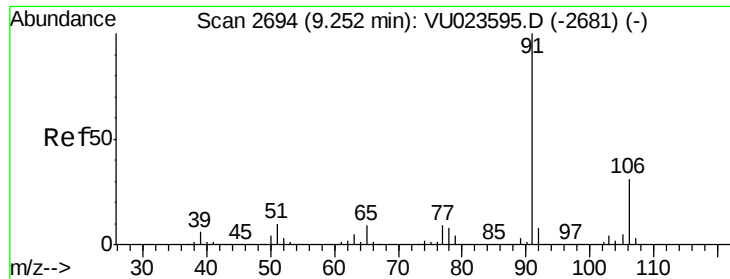
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.4	66.1	122.7
188	3.7	3.2	4.8



#51
Chlorobenzene
Concen: 44.29 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.7	42.3
77	60.0	47.5	71.3





#52

Ethylbenzene

Concen: 46.52 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU023604.D

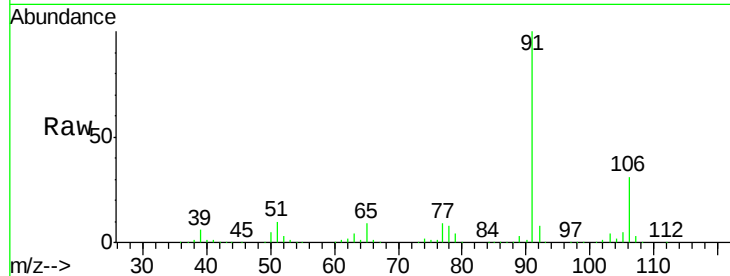
Acq: 03 May 2018 16:07

Tgt Ion: 91 Resp: 627493

Ion Ratio Lower Upper

91 100

106 30.5 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU023595.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU023595.D (-2681) (-)

9.26

400000

300000

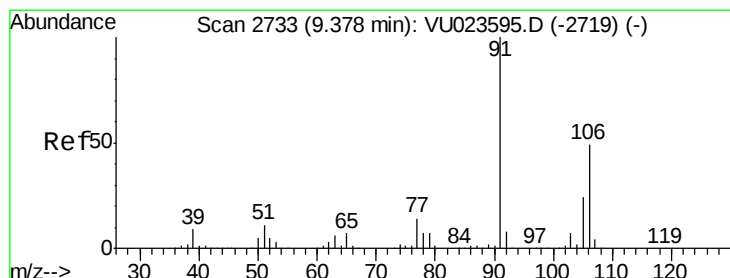
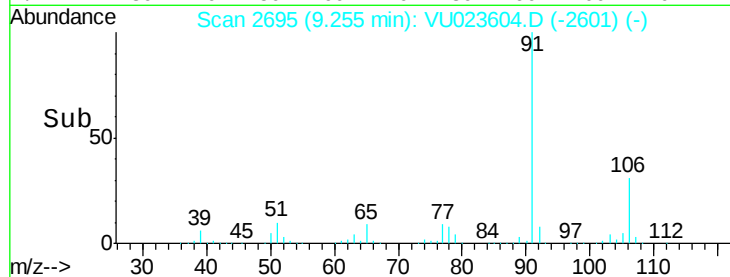
200000

100000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 45.48 ug/L

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU023604.D

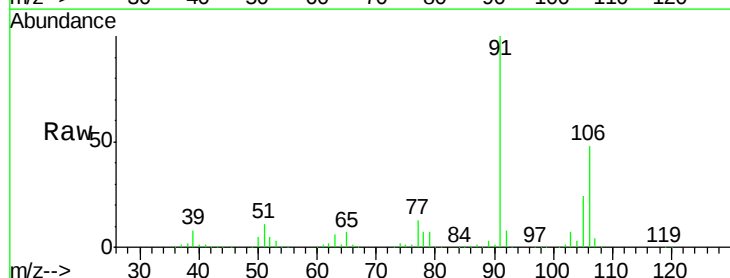
Acq: 03 May 2018 16:07

Tgt Ion: 106 Resp: 234005

Ion Ratio Lower Upper

106 100

91 207.3 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): VU023595.D (-2719) (-)

Ion 91.00 (90.70 to 91.70): VU023595.D (-2719) (-)

9.38

300000

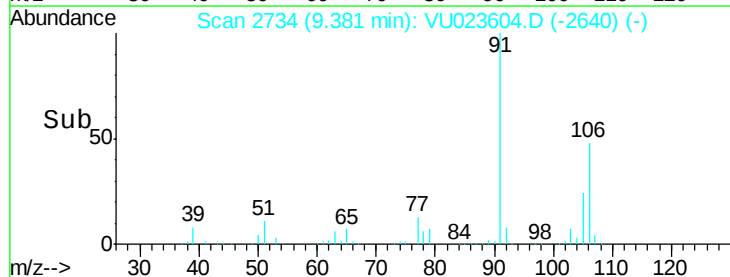
200000

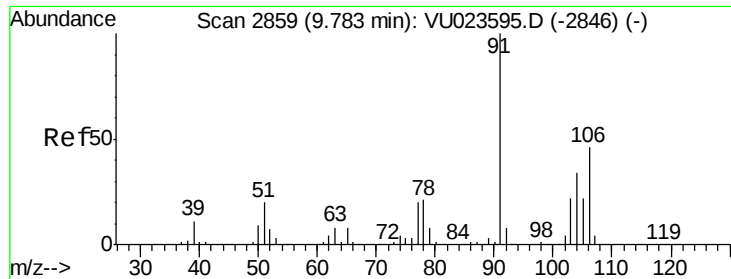
100000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 47.47 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU023604.D

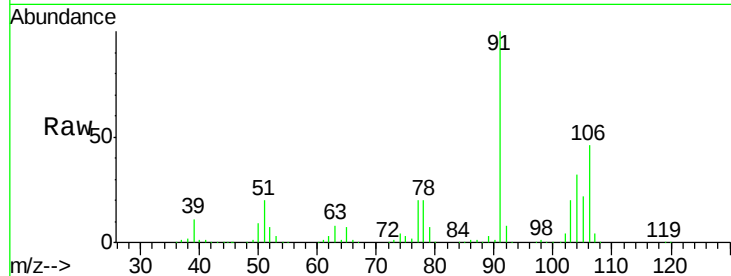
Acq: 03 May 2018 16:07

Tgt Ion:106 Resp: 231426

Ion Ratio Lower Upper

106 100

91 217.7 148.9 276.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

300000

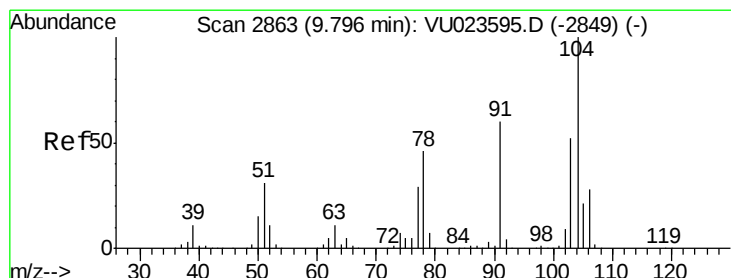
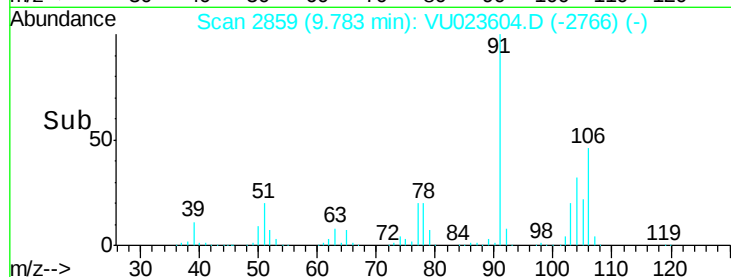
200000

100000

0

9.78

Time-->



#55

Styrene

Concen: 48.09 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU023604.D

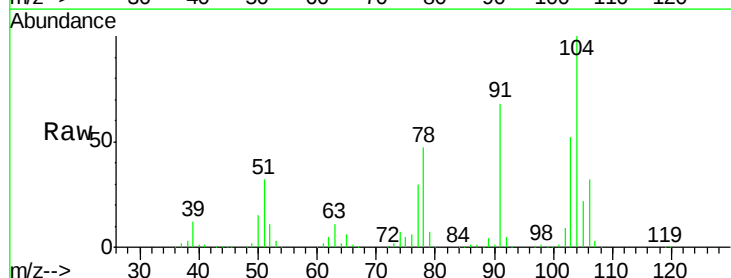
Acq: 03 May 2018 16:07

Tgt Ion:104 Resp: 410121

Ion Ratio Lower Upper

104 100

78 47.3 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

300000

250000

200000

150000

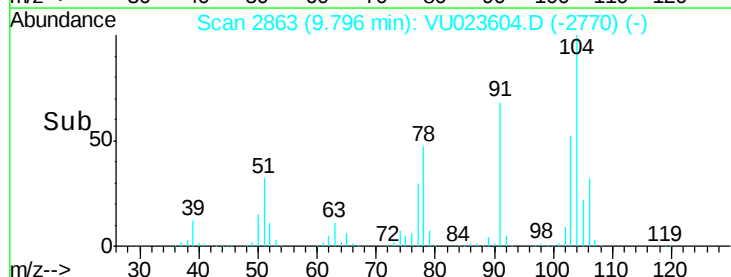
100000

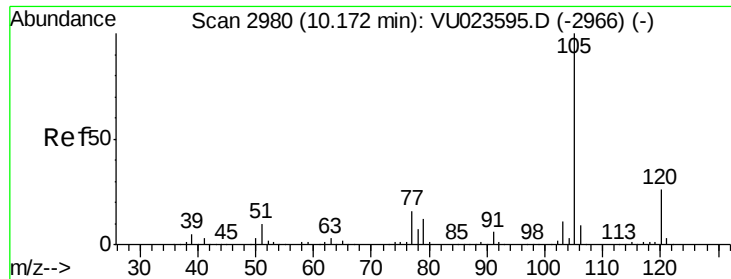
50000

0

9.80

Time-->





#56

Isopropylbenzene

Concen: 47.16 ug/L

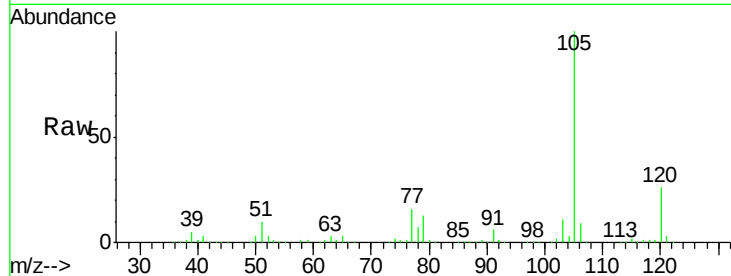
RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU023604.D

Acq: 03 May 2018 16:07

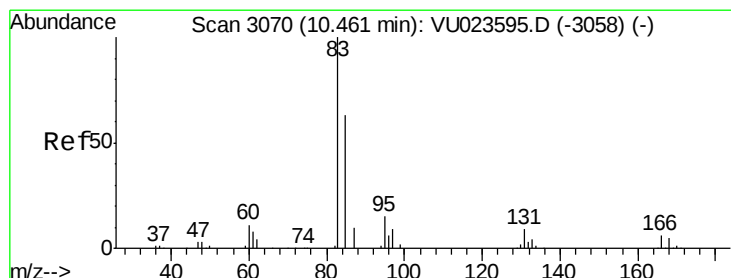
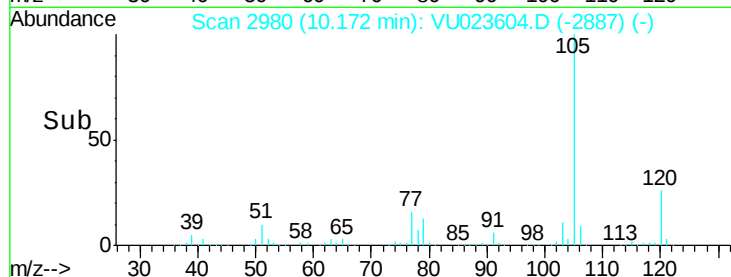
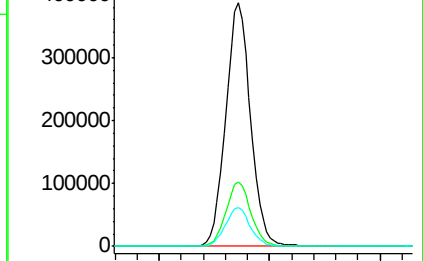
Tgt Ion:	105	Resp:	603356
Ion	Ratio	Lower	Upper
105	100		
120	26.6	20.9	31.3
77	16.0	12.6	18.8



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: 49.66 ug/L

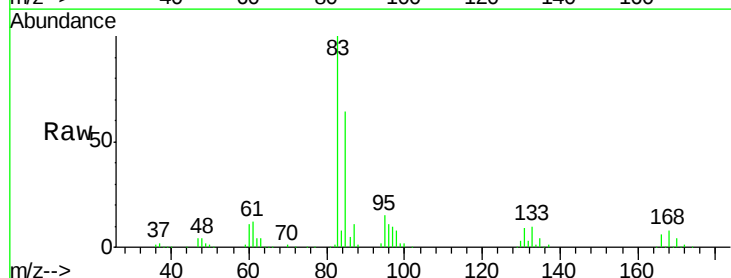
RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU023604.D

Acq: 03 May 2018 16:07

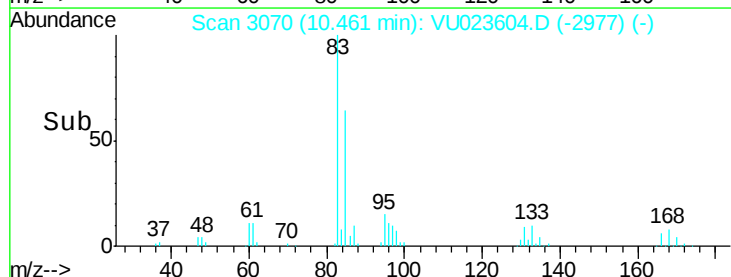
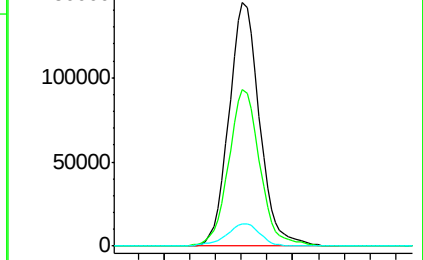
Tgt Ion:	83	Resp:	238383
Ion	Ratio	Lower	Upper
83	100		
85	64.1	45.6	84.6
131	9.3	7.9	11.9

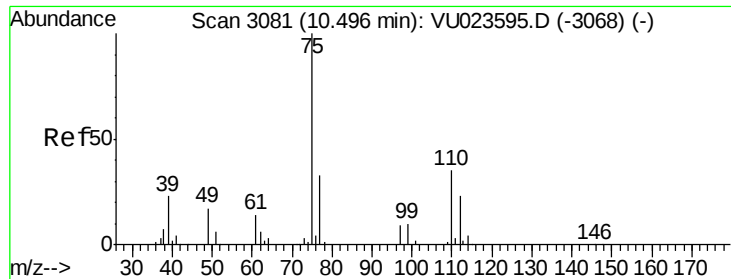


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.54 ug/L

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU023604.D

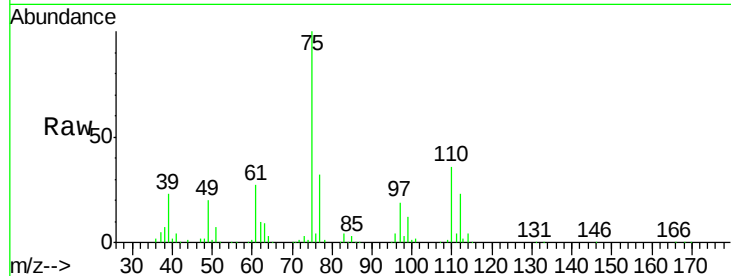
Acq: 03 May 2018 16:07

Tgt Ion: 75 Resp: 192007

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU023595.D (-3068) (-)

Ion 77.00 (76.70 to 77.70): VU023595.D (-3068) (-)

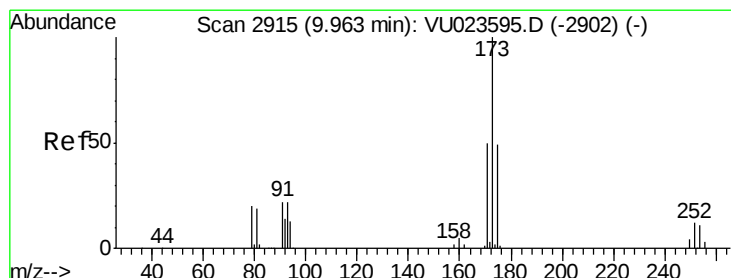
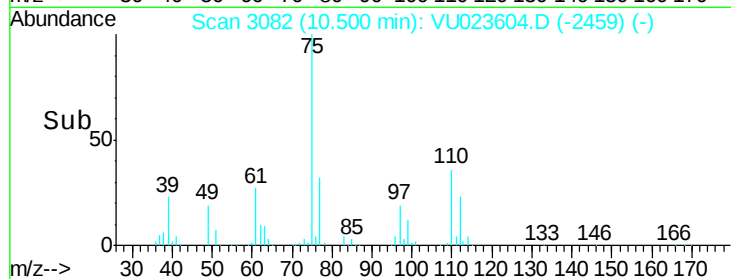
10.50

100000

50000

0

Time--> 10.40 10.50 10.60



#61

Bromoform

Concen: 48.66 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU023604.D

Acq: 03 May 2018 16:07

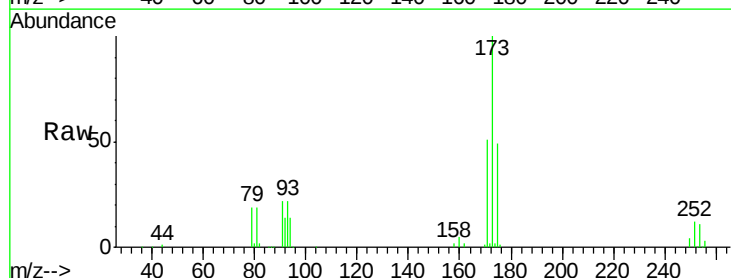
Tgt Ion: 173 Resp: 108365

Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.4

254 11.1 8.8 13.2



Abundance Ion 173.00 (172.70 to 173.70): VU023595.D (-2902) (-)

Ion 175.00 (174.70 to 175.70): VU023595.D (-2902) (-)

Ion 254.00 (253.70 to 254.70): VU023595.D (-2902) (-)

9.96

80000

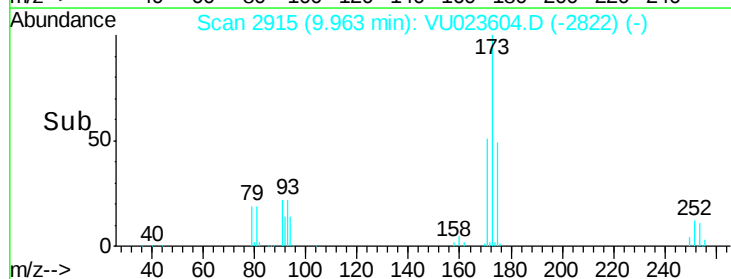
60000

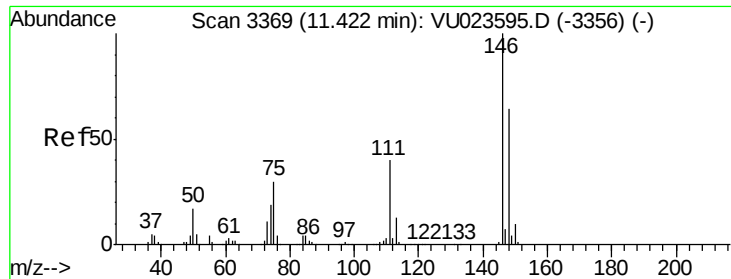
40000

20000

0

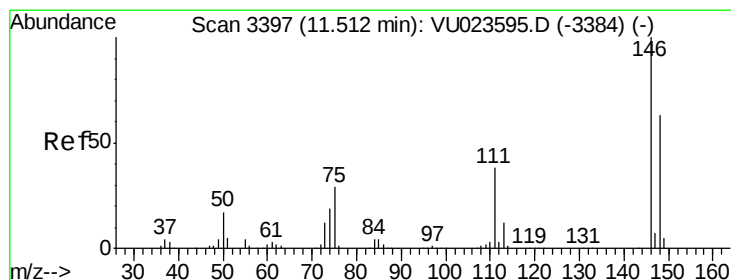
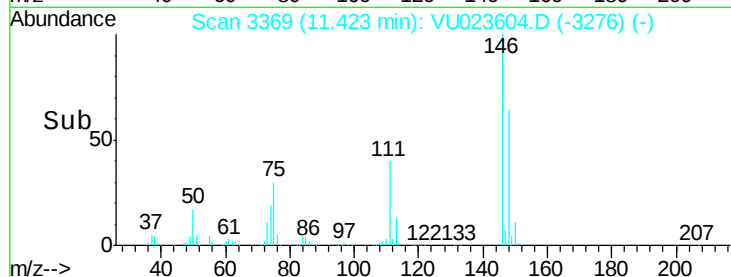
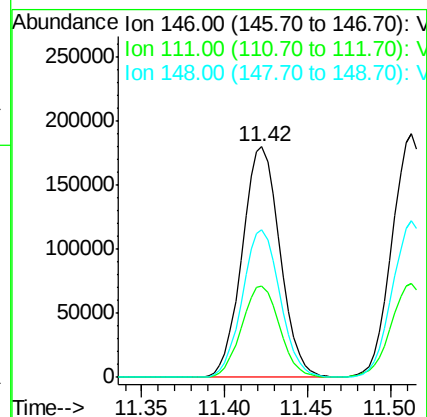
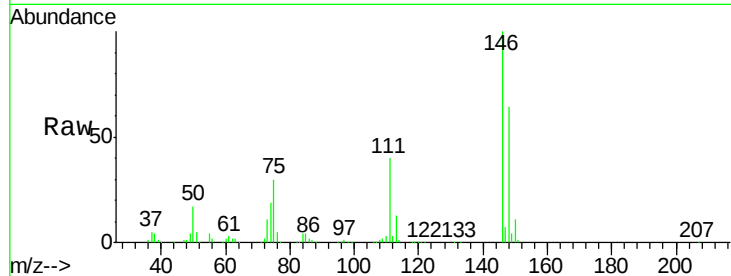
Time--> 9.90 9.95 10.00 10.05





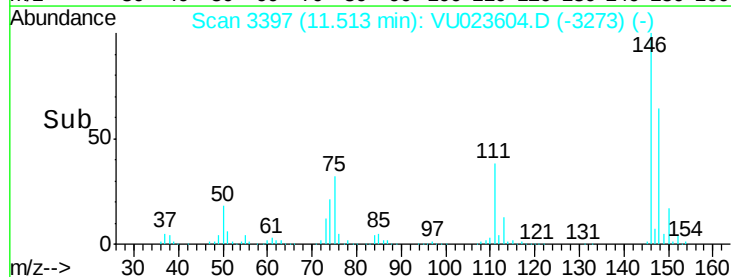
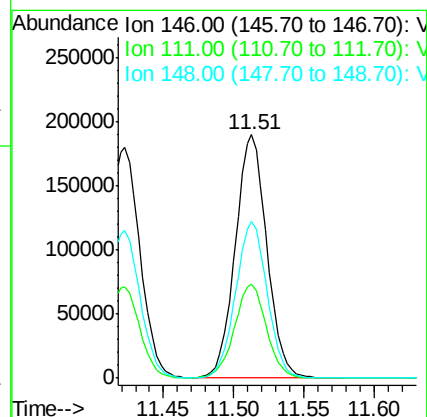
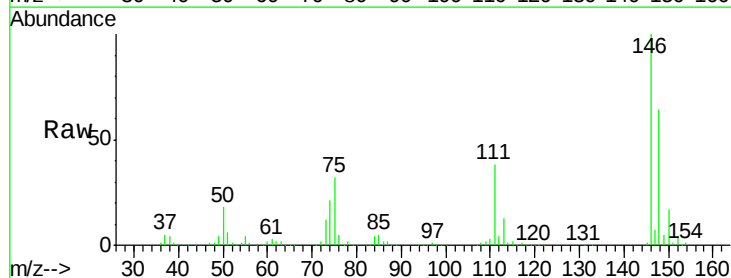
#62
 1,3-Dichlorobenzene
 Concen: 44.72 ug/L
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU023604.D
 Acq: 03 May 2018 16:07

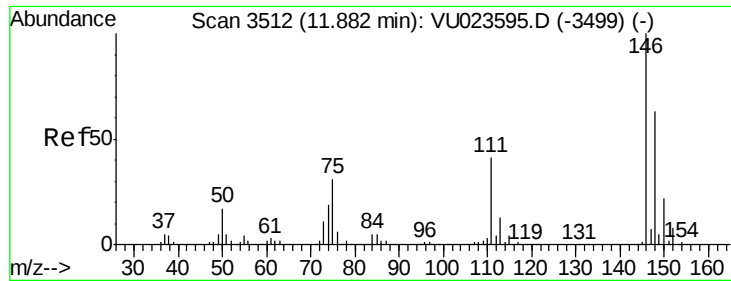
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	27.9	51.7
148	63.7	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 44.60 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU023604.D
 Acq: 03 May 2018 16:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	26.8	49.8
148	64.1	44.8	83.2





#65

1,2-Dichlorobenzene

Concen: 45.39 ug/L

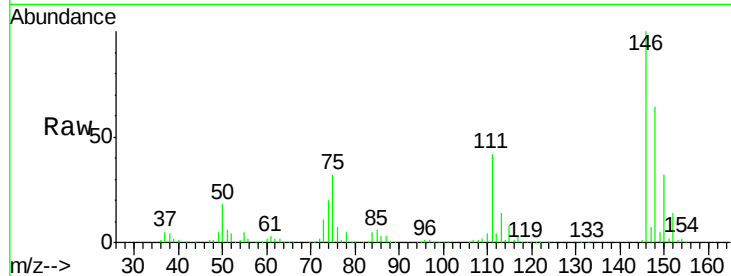
RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

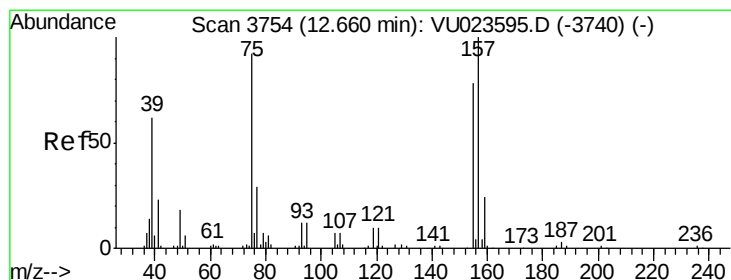
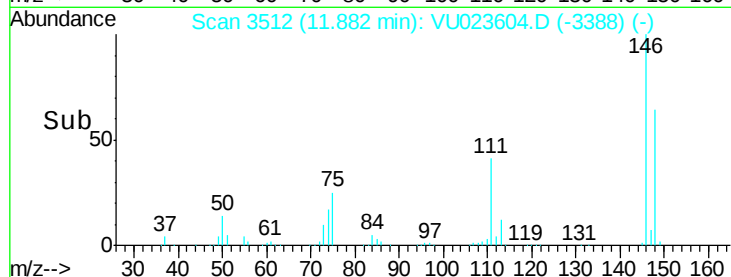
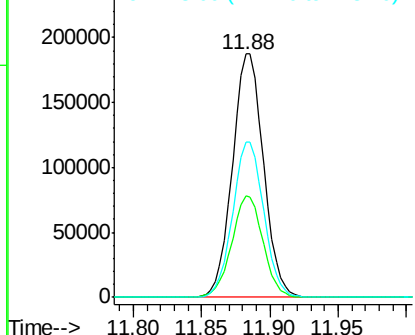
Lab File: VU023604.D

Acq: 03 May 2018 16:07

Tgt Ion:	146	Resp:	296627
Ion	Ratio	Lower	Upper
146	100		
111	41.6	32.9	49.3
148	63.8	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: 55.51 ug/L

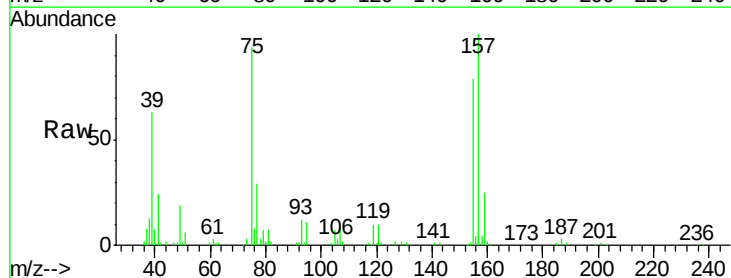
RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

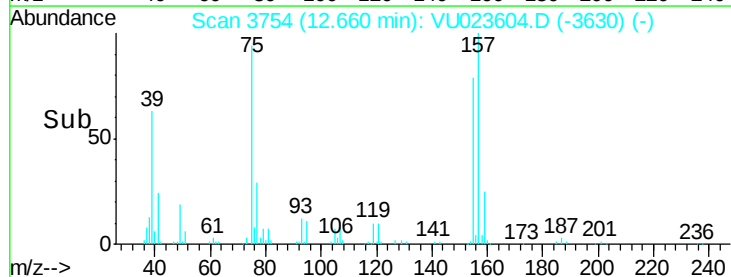
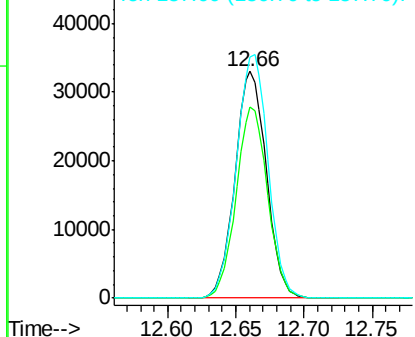
Lab File: VU023604.D

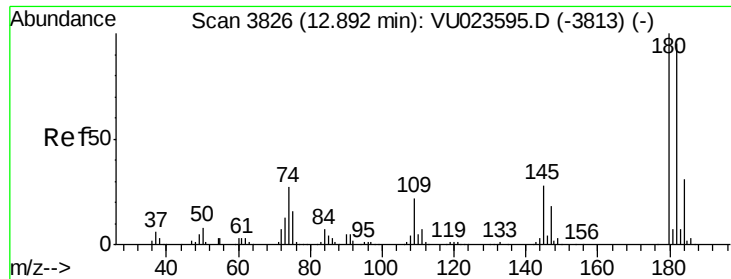
Acq: 03 May 2018 16:07

Tgt Ion:	75	Resp:	52672
Ion	Ratio	Lower	Upper
75	100		
155	84.0	68.9	103.3
157	106.4	89.9	134.9



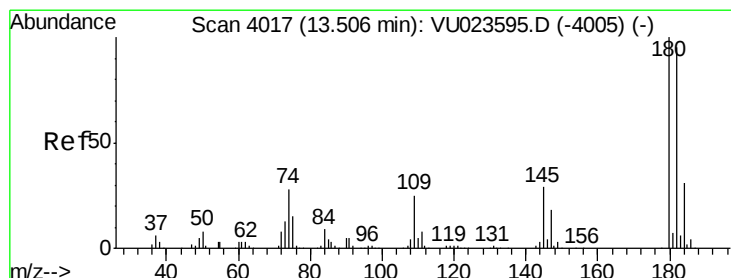
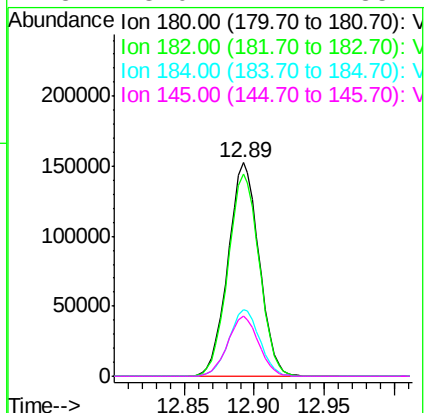
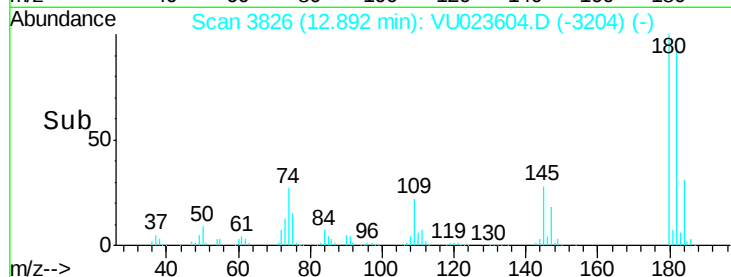
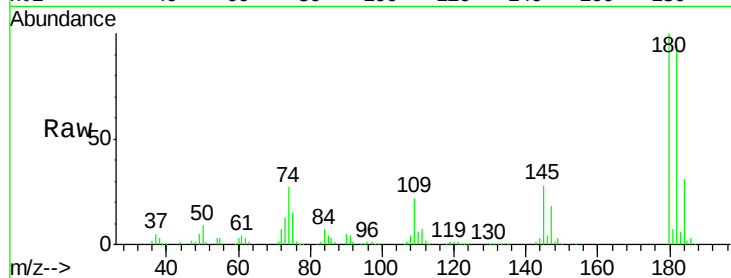
Abundance Ion 75.00 (74.70 to 75.70): VU
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V





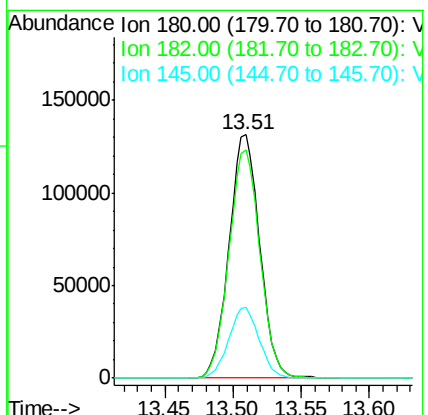
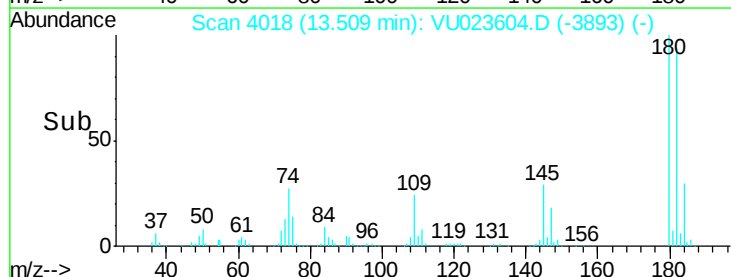
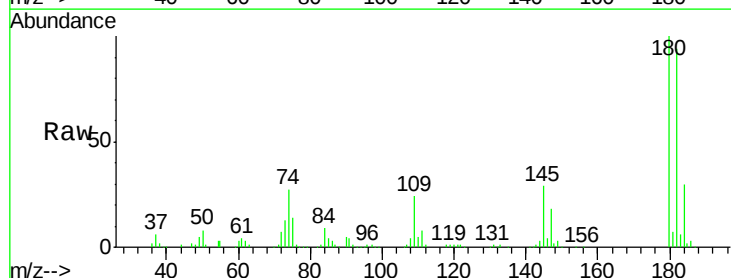
#67
 1,3,5-Trichlorobenzene
 Concen: 43.87 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU023604.D
 Acq: 03 May 2018 16:07

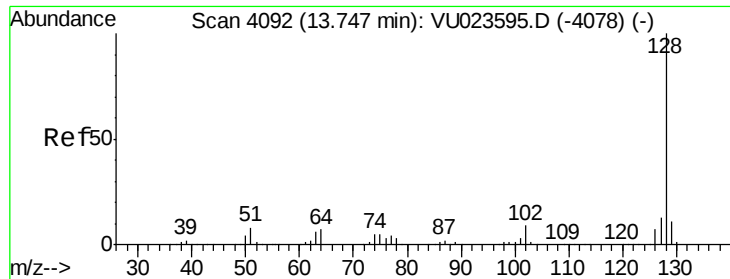
Tgt Ion:180	Resp:	234734
Ion Ratio	Lower	Upper
180	100	
182	95.1	76.5 114.7
184	30.9	24.1 36.1
145	28.0	22.2 33.4



#68
 1,2,4-trichlorobenzene
 Concen: 45.21 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU023604.D
 Acq: 03 May 2018 16:07

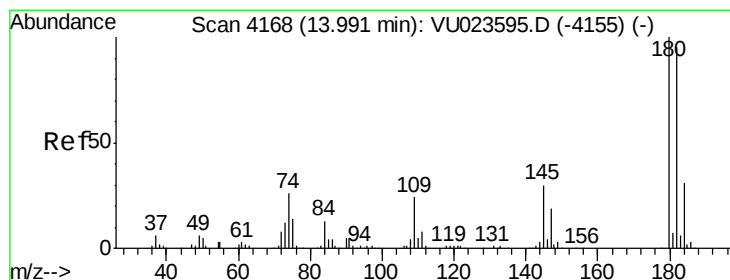
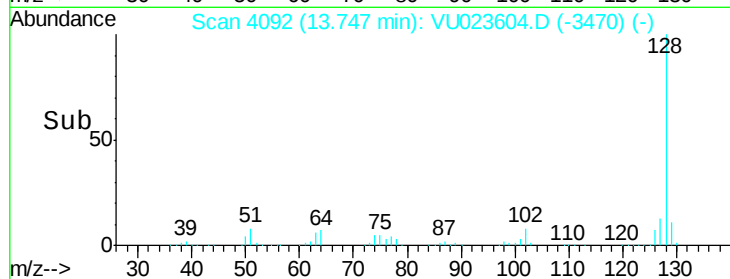
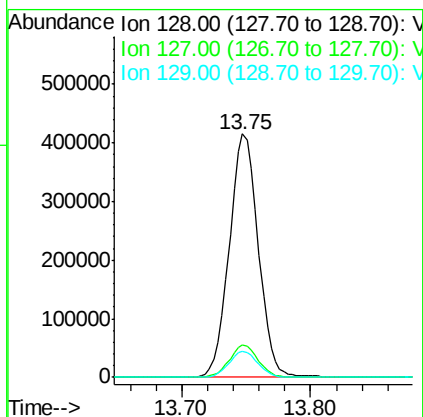
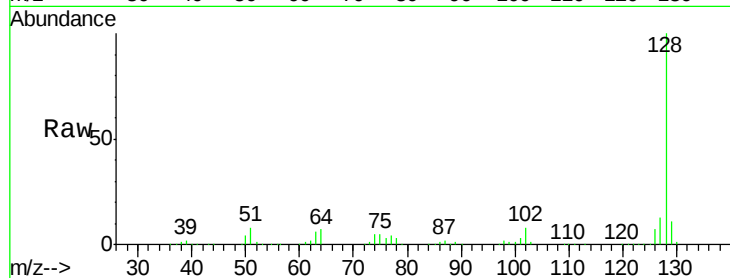
Tgt Ion:180	Resp:	205445
Ion Ratio	Lower	Upper
180	100	
182	94.9	77.1 115.7
145	28.9	23.4 35.0





#69
Naphthalene
Concen: 54.45 ug/L
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

Tgt Ion:128 Resp: 649354
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.7 8.6 13.0



#70
1,2,3-Trichlorobenzene
Concen: 46.97 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU023604.D
Acq: 03 May 2018 16:07

Tgt Ion:180 Resp: 217503
Ion Ratio Lower Upper
180 100
182 95.4 76.2 114.4
145 30.4 24.3 36.5

