

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052118\
 Data File : VU023963.D
 Acq On : 21 May 2018 10:42
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 00:59:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM051218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 16 00:49:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	309839	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	310402	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	157826	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	107356	37.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.58%
7) Chloroethane-d5	1.68	69	92690	40.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.72%
11) 1,1-Dichloroethene-d2	2.27	63	220818	41.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.60%
21) 2-Butanone-d5	4.18	46	193827	96.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.74%
24) Chloroform-d	4.65	84	216642	49.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.31	65	145514	50.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.66%
32) Benzene-d6	5.35	84	423038	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.38%
36) 1,2-Dichloropropane-d6	6.34	67	145327	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.96%
41) Toluene-d8	7.57	98	402002	48.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%
43) trans-1,3-Dichloropropene-	7.85	79	63734	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.02%
47) 2-Hexanone-d5	8.31	63	135446	96.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.01%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	209594	48.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	160705	47.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	142603	45.02	ug/L	99
3) Chloromethane	1.33	50	135800	46.08	ug/L	100
5) Vinyl chloride	1.40	62	154019	45.11	ug/L	98
6) Bromomethane	1.63	94	58493	42.98	ug/L	99
8) Chloroethane	1.70	64	96468	45.06	ug/L	99
9) Trichlorofluoromethane	1.89	101	193025	45.27	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	121241	46.58	ug/L	99
12) 1,1-Dichloroethene	2.28	96	106429	45.99	ug/L	87
13) Acetone	2.32	43	229759	113.85	ug/L	96
14) Carbon disulfide	2.48	76	288848	46.83	ug/L	100
15) Methyl Acetate	2.62	43	151444	44.74	ug/L	100
16) Methylene chloride	2.70	84	129789	47.15	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	110492	48.42	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	370122	50.52	ug/L	98
19) 1,1-Dichloroethane	3.45	63	232850	48.00	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	132119	49.57	ug/L	99
22) 2-Butanone	4.26	43	254984	103.81	ug/L	99

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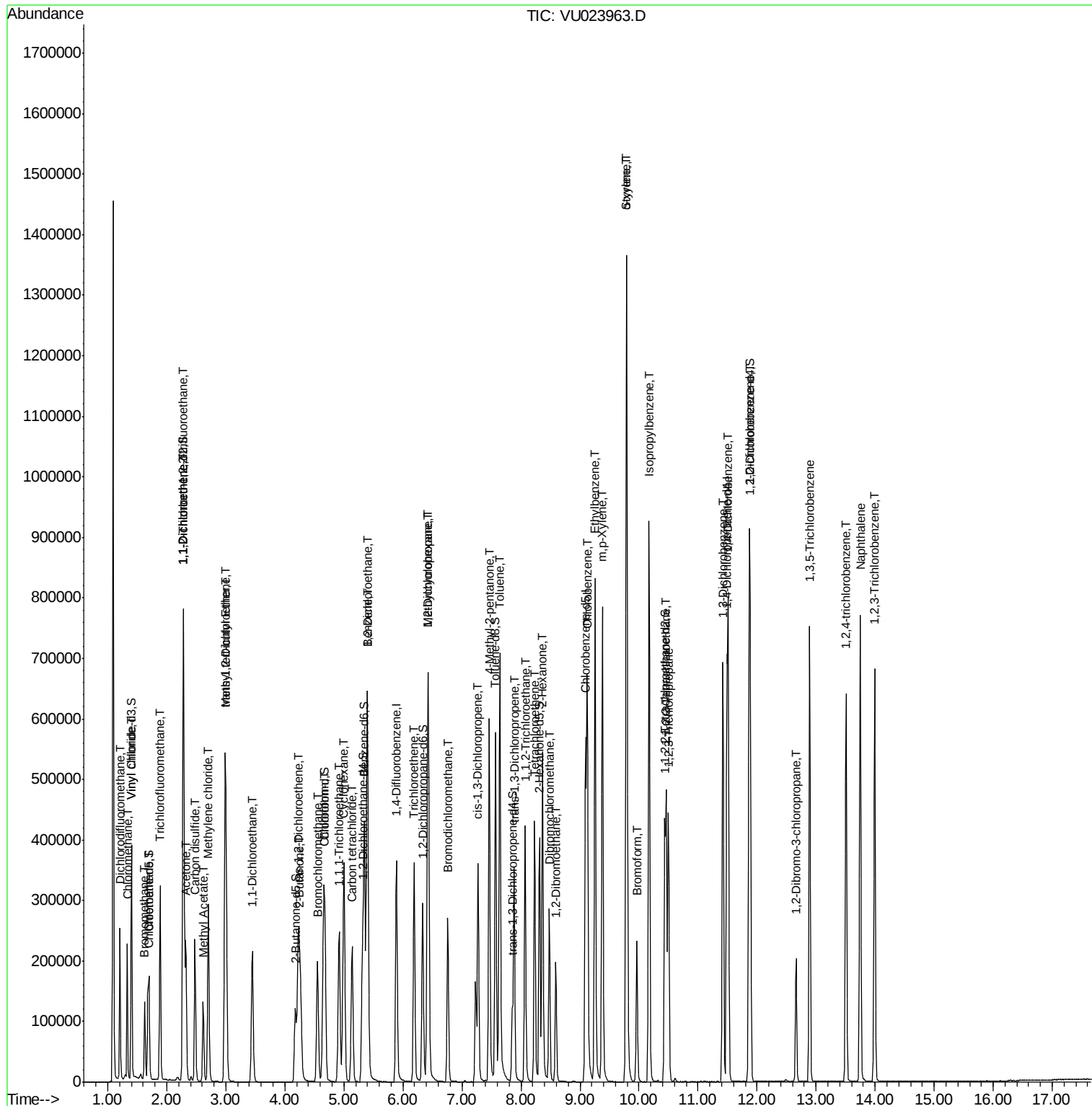
Quant Time: May 22 00:59:25 2018
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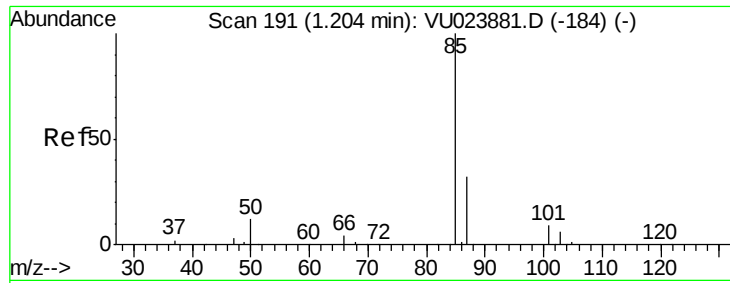
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	65706	47.59	ug/L	96
25) Chloroform	4.68	83	234828	47.90	ug/L	96
27) 1,2-Dichloroethane	5.41	62	192349	51.59	ug/L	98
29) Cyclohexane	5.00	56	189125	50.73	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	189273	48.83	ug/L	99
31) Carbon tetrachloride	5.14	117	160662	48.09	ug/L	99
33) Benzene	5.39	78	506453	49.59	ug/L	100
34) Trichloroethene	6.19	95	128979	49.52	ug/L	97
35) Methylcyclohexane	6.42	83	194139	52.52	ug/L	97
37) 1,2-Dichloropropane	6.44	63	145290	48.08	ug/L	99
38) Bromodichloromethane	6.76	83	177663	49.61	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	207495	52.02	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	419049	98.43	ug/L	98
42) Toluene	7.64	91	542187	50.95	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	190892	51.97	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	132511	48.82	ug/L	97
46) Tetrachloroethene	8.23	164	100386	47.14	ug/L	97
48) 2-Hexanone	8.36	43	346148	100.12	ug/L	100
49) Dibromochloromethane	8.48	129	140717	48.76	ug/L	98
50) 1,2-Dibromoethane	8.59	107	133502	48.22	ug/L	100
51) Chlorobenzene	9.12	112	355487	49.24	ug/L	98
52) Ethylbenzene	9.26	91	598092	52.13	ug/L	100
53) m,p-Xylene	9.38	106	225724	51.92	ug/L	97
54) o-xylene	9.78	106	222131	52.58	ug/L	98
55) Styrene	9.80	104	394610	53.43	ug/L	96
56) Isopropylbenzene	10.17	105	585517	52.70	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	230590	47.20	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	183689	46.84	ug/L	99
61) Bromoform	9.96	173	104600	46.90	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	276817	50.36	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	290608	49.89	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	289928	48.91	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	50349	48.15	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	230887	50.80	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	198803	53.40	ug/L	100
69) Naphthalene	13.75	128	579578	54.69	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	209435	52.58	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 45.02 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU023963.D

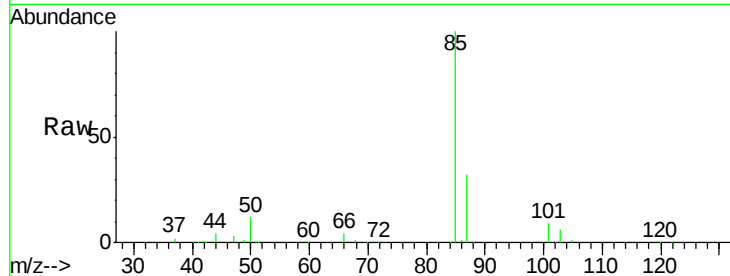
Acq: 21 May 2018 10:42

Tgt Ion: 85 Resp: 142603

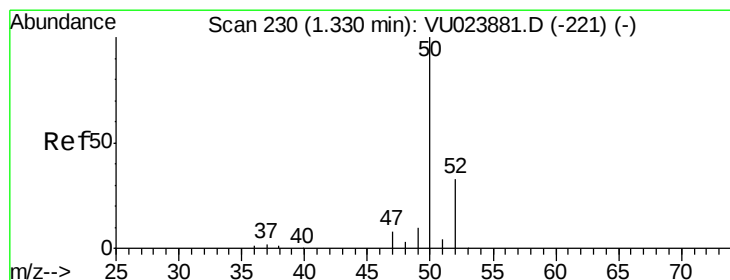
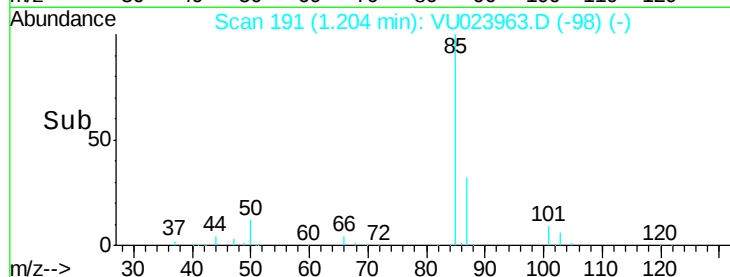
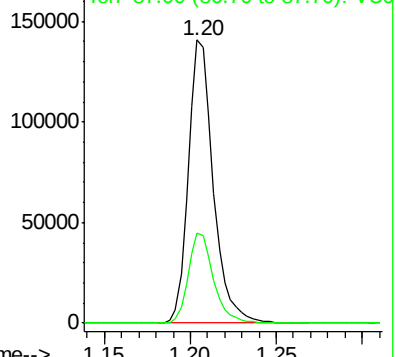
Ion Ratio Lower Upper

85 100

87 32.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU023963.D (-98) (-)



#3

Chloromethane

Concen: 46.08 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU023963.D

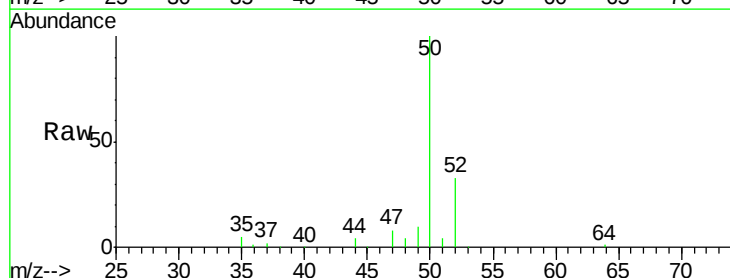
Acq: 21 May 2018 10:42

Tgt Ion: 50 Resp: 135800

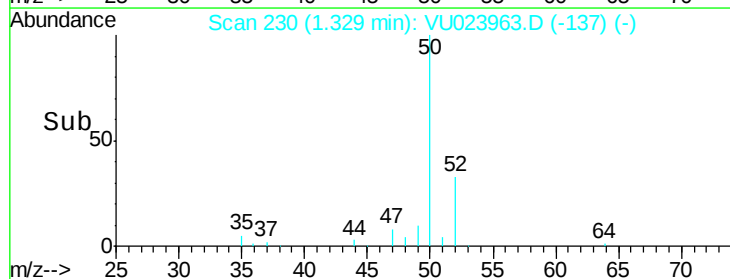
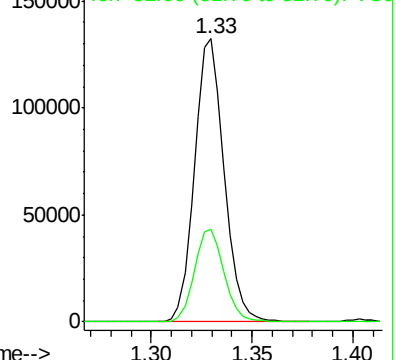
Ion Ratio Lower Upper

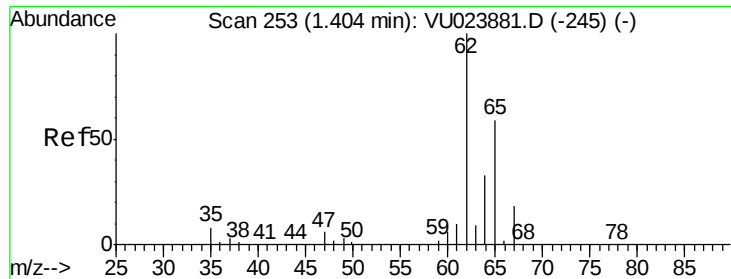
50 100

52 32.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU023963.D (-137) (-)





#5

Vinyl chloride

Concen: 45.11 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023963.D

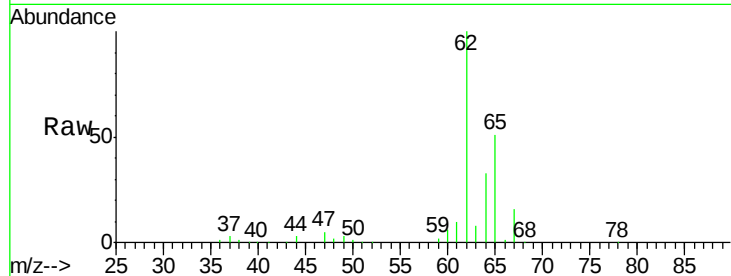
Acq: 21 May 2018 10:42

Tgt Ion: 62 Resp: 154019

Ion Ratio Lower Upper

62 100

64 33.4 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

150000

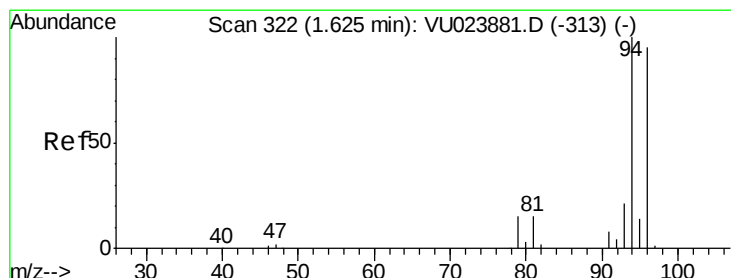
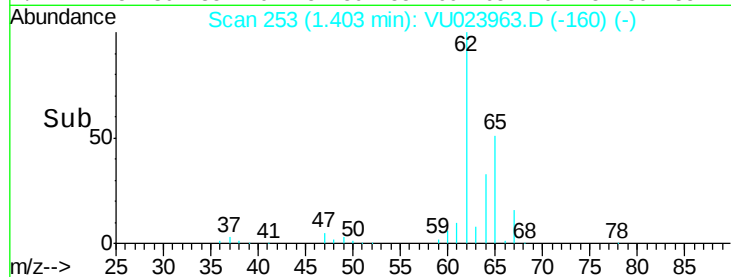
100000

50000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 42.98 ug/L

RT: 1.63 min Scan# 322

Delta R.T. -0.00 min

Lab File: VU023963.D

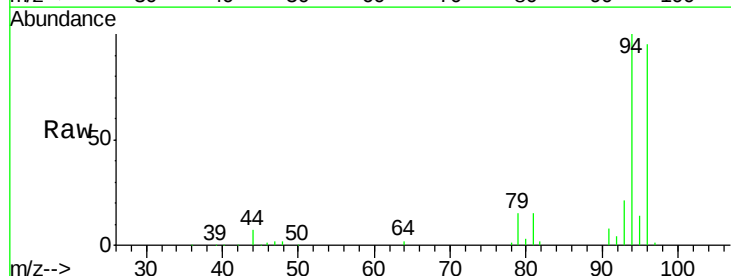
Acq: 21 May 2018 10:42

Tgt Ion: 94 Resp: 58493

Ion Ratio Lower Upper

94 100

96 94.6 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

50000

40000

30000

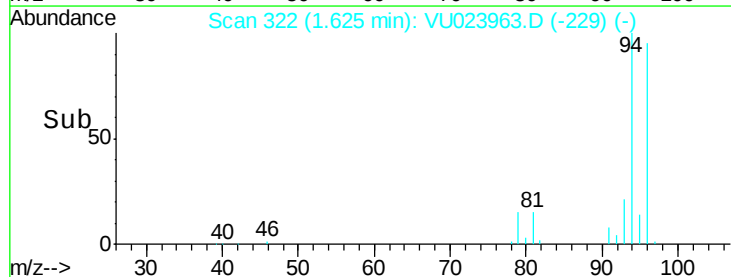
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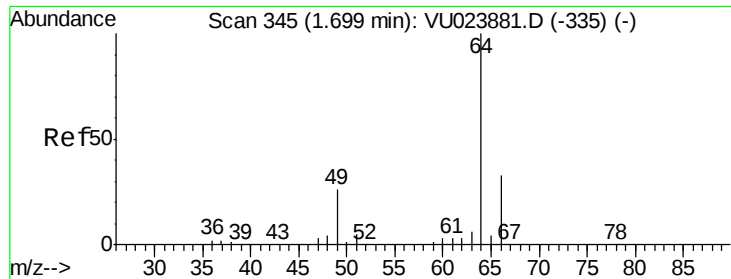
10000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 45.06 ug/L

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU023963.D

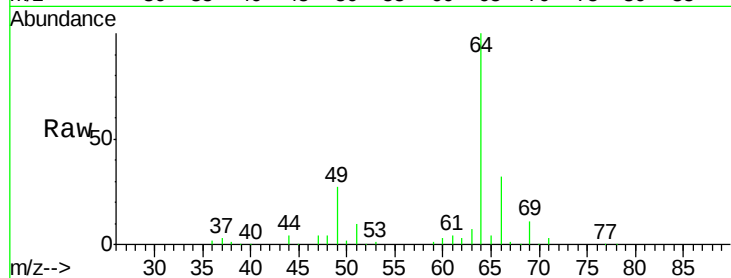
Acq: 21 May 2018 10:42

Tgt Ion: 64 Resp: 96468

Ion Ratio Lower Upper

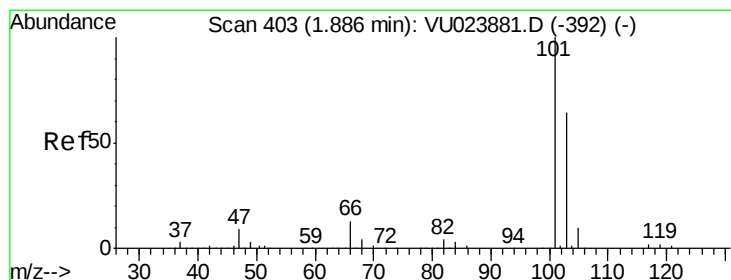
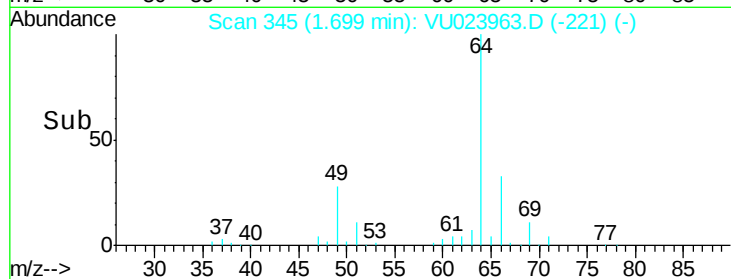
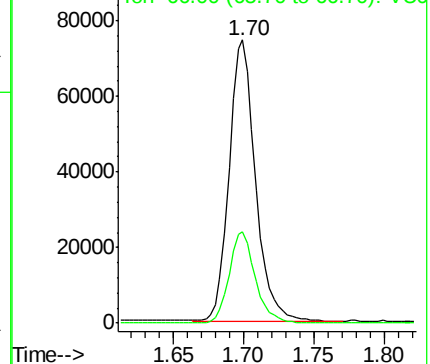
64 100

66 32.3 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 45.27 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU023963.D

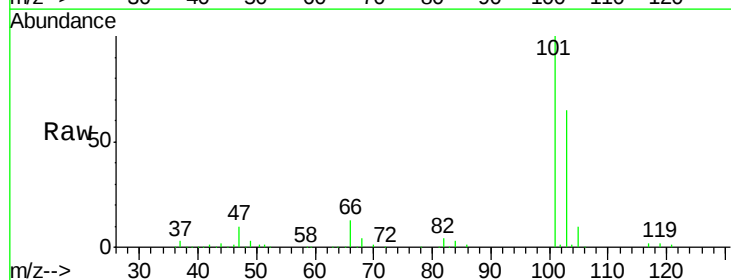
Acq: 21 May 2018 10:42

Tgt Ion: 101 Resp: 193025

Ion Ratio Lower Upper

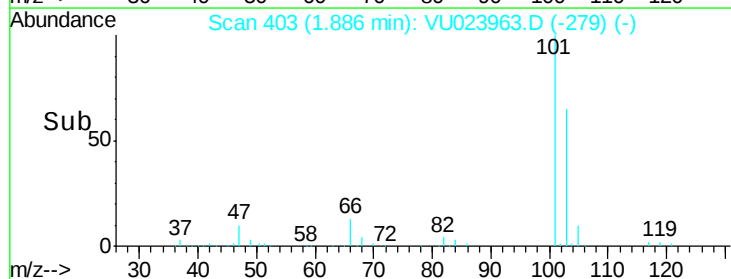
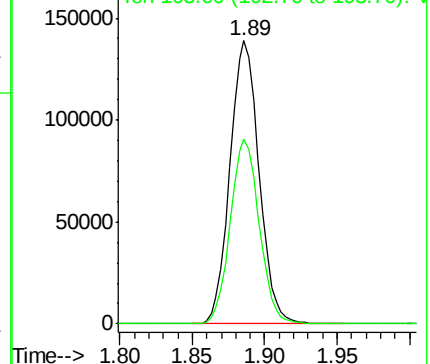
101 100

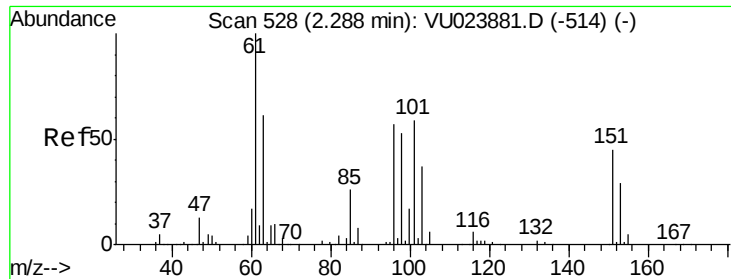
103 64.8 51.8 77.8



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: 46.58 ug/L

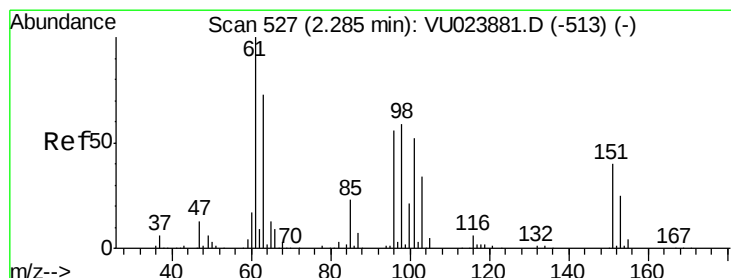
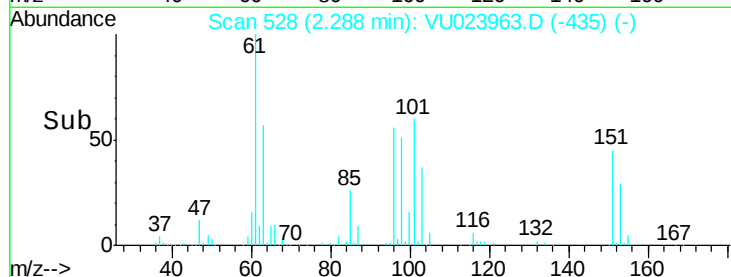
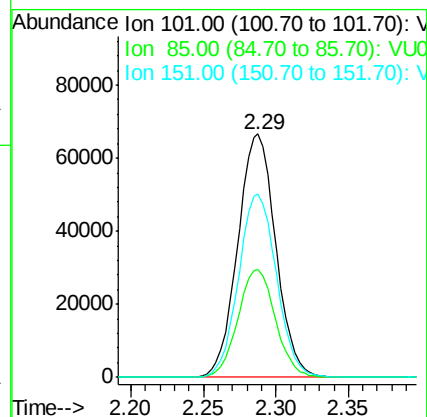
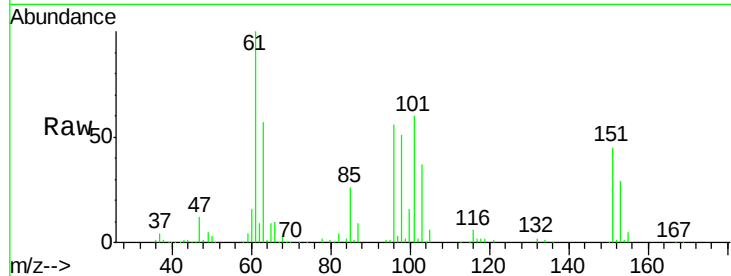
RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU023963.D

Acq: 21 May 2018 10:42

Tgt Ion:	101	Resp:	121241
Ion	Ratio	Lower	Upper
101	100		
85	43.7	34.3	51.5
151	75.2	61.0	91.4



#12

1,1-Dichloroethene

Concen: 45.99 ug/L

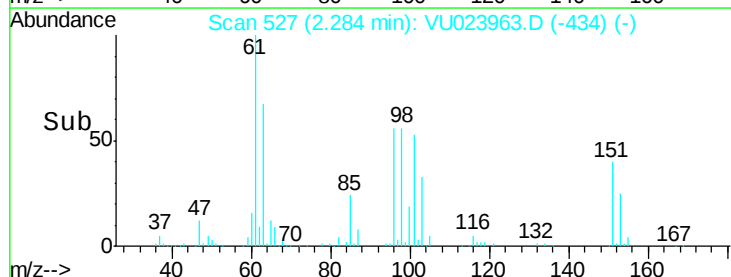
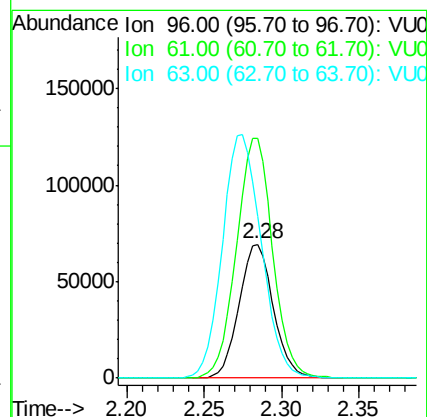
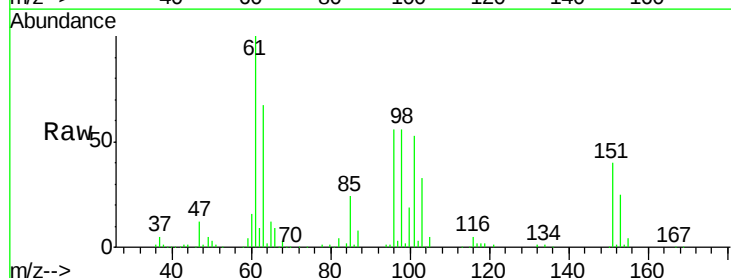
RT: 2.28 min Scan# 527

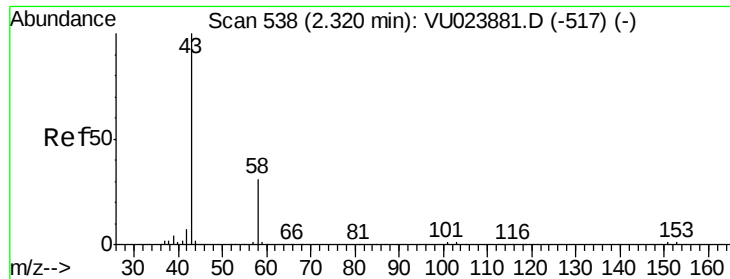
Delta R.T. -0.00 min

Lab File: VU023963.D

Acq: 21 May 2018 10:42

Tgt Ion:	96	Resp:	106429
Ion	Ratio	Lower	Upper
96	100		
61	179.3	129.5	240.5
63	121.0	106.9	198.5





#13

Acetone

Concen: 113.85 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU023963.D

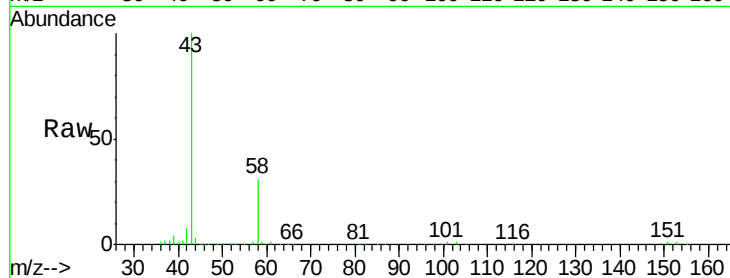
Acq: 21 May 2018 10:42

Tgt Ion: 43 Resp: 229759

Ion Ratio Lower Upper

43 100

58 30.6 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VU023963.D (-445) (-)

Ion 58.00 (57.70 to 58.70): VU023963.D (-445) (-)

2.32

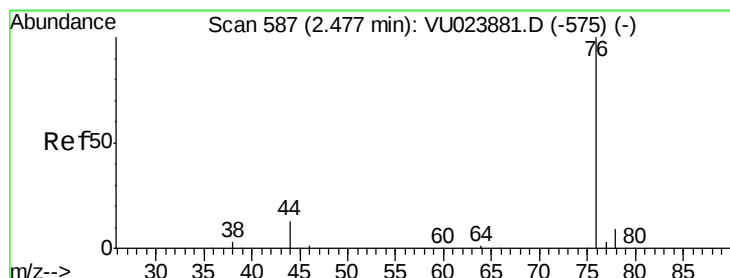
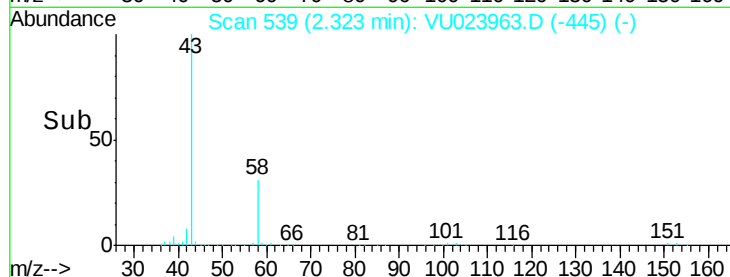
150000

100000

50000

0

Time--> 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 46.83 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU023963.D

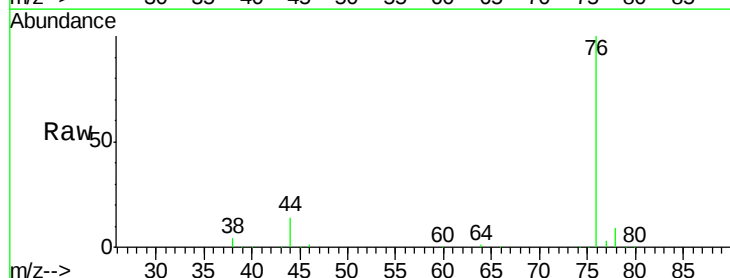
Acq: 21 May 2018 10:42

Tgt Ion: 76 Resp: 288848

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU023963.D (-494) (-)

Ion 78.00 (77.70 to 78.70): VU023963.D (-494) (-)

2.48

200000

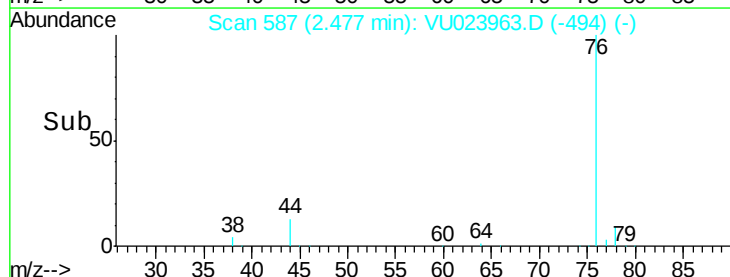
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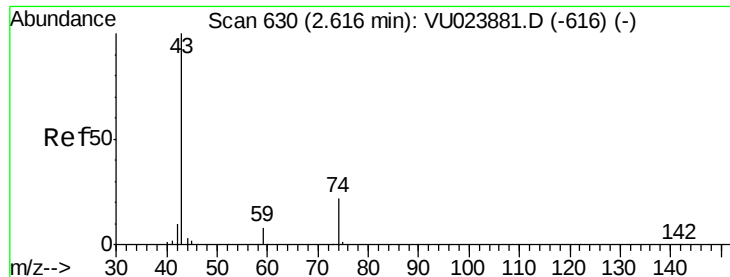
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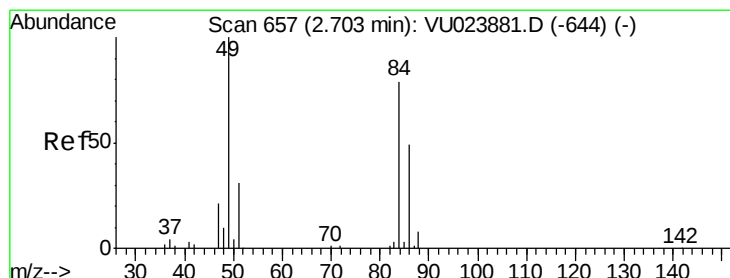
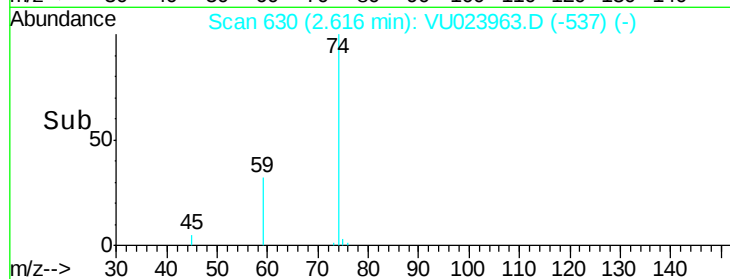
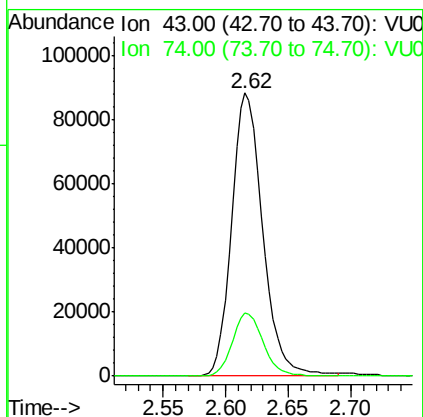
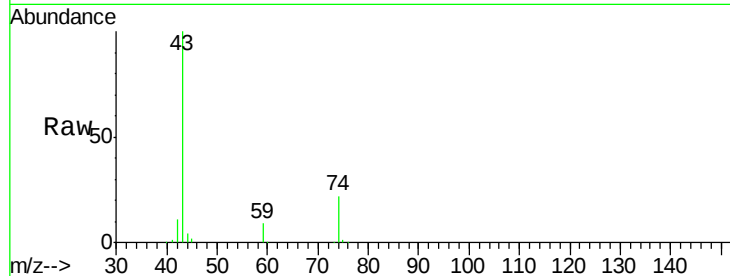
Time--> 2.40 2.50 2.60





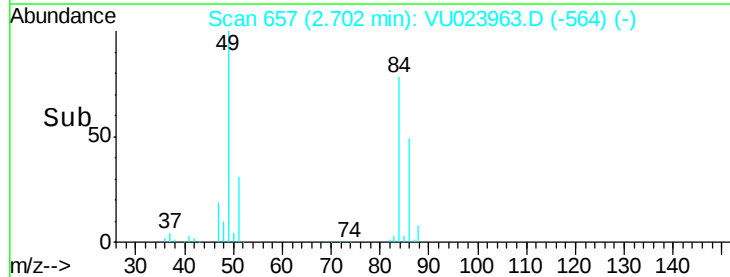
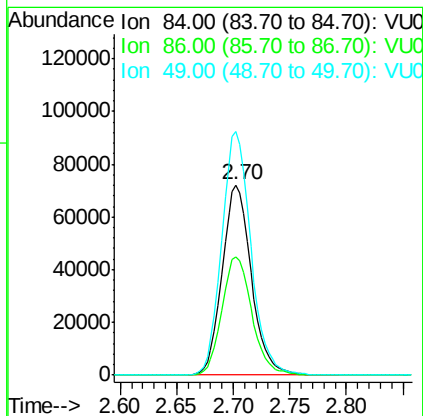
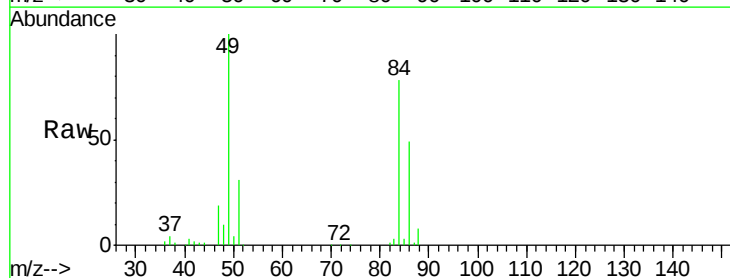
#15
Methyl Acetate
Concen: 44.74 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

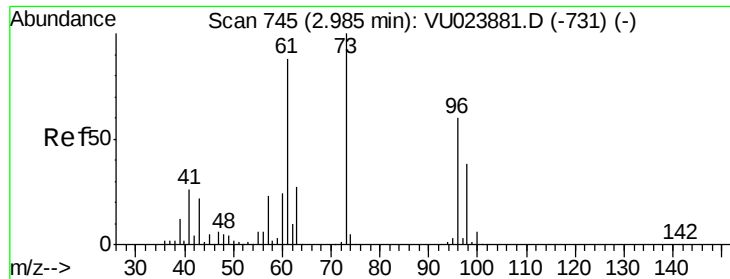
Tgt Ion: 43 Resp: 151444
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.6



#16
Methylene chloride
Concen: 47.15 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

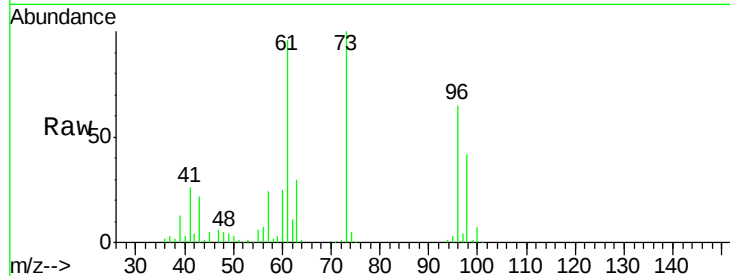
Tgt Ion: 84 Resp: 129789
Ion Ratio Lower Upper
84 100
86 62.5 44.6 82.8
49 128.2 87.6 162.6



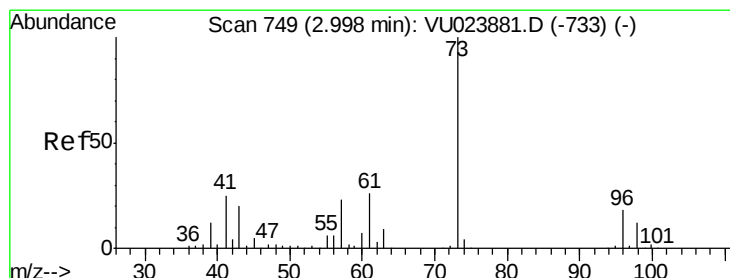
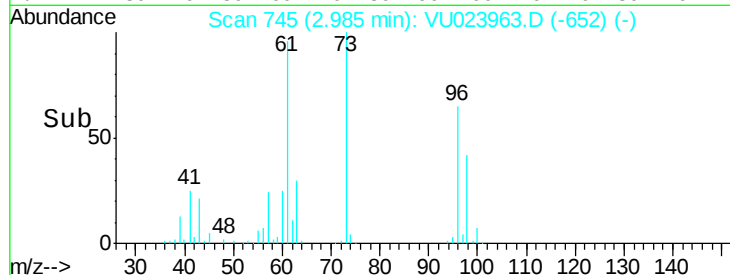
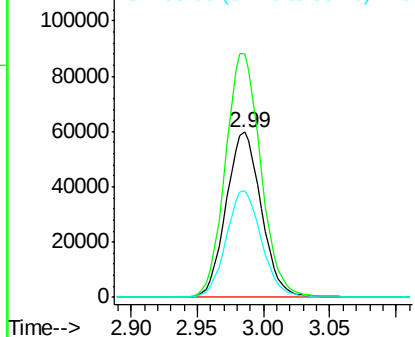


#17
trans-1,2-Dichloroethene
Concen: 48.42 ug/L
RT: 2.99 min Scan# 745
Delta R.T. -0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.1	104.4	194.0
98	64.4	45.5	84.5

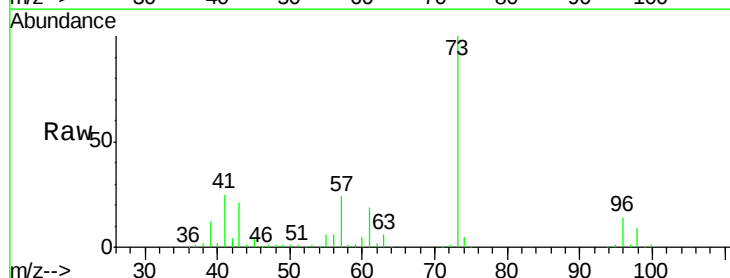


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

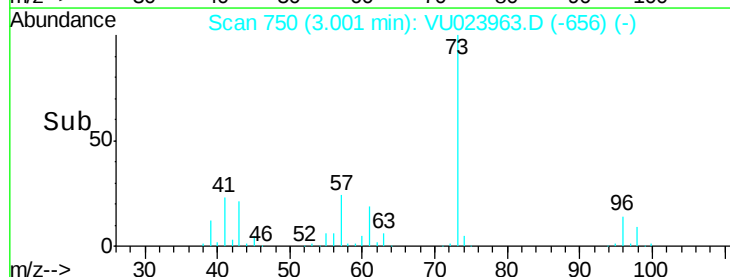
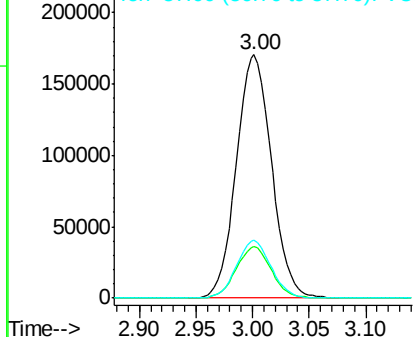


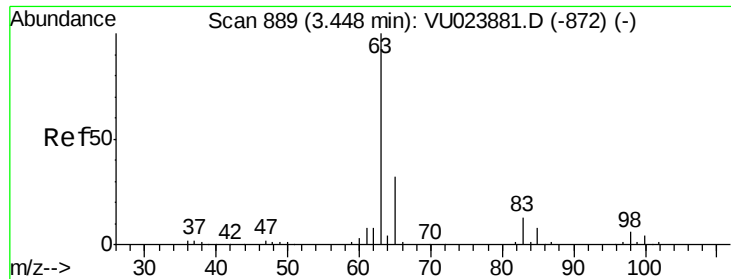
#18
Methyl tert-butyl Ether
Concen: 50.52 ug/L
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.3	15.5	23.3
57	23.4	18.6	27.8



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: 48.00 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU023963.D

Acq: 21 May 2018 10:42

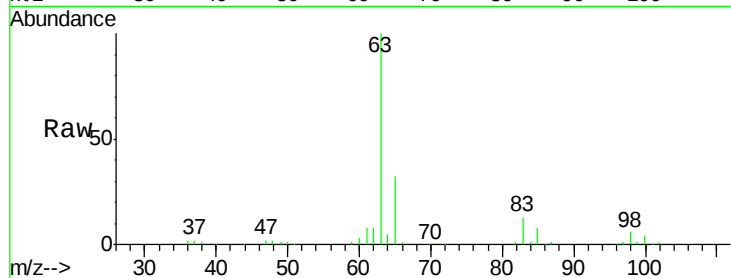
Tgt Ion: 63 Resp: 232850

Ion Ratio Lower Upper

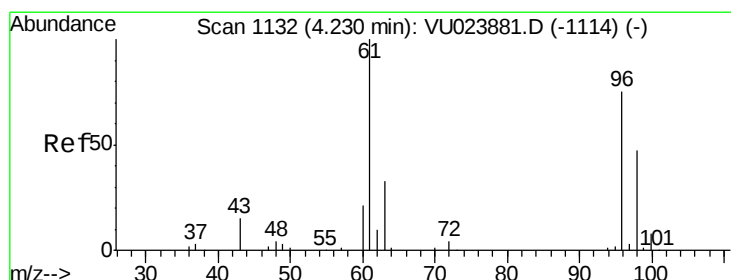
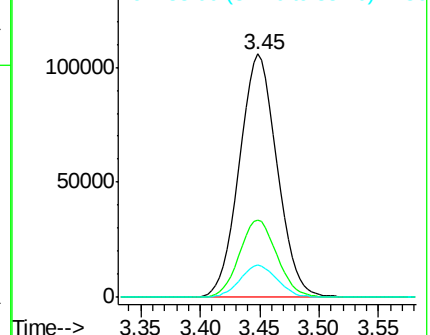
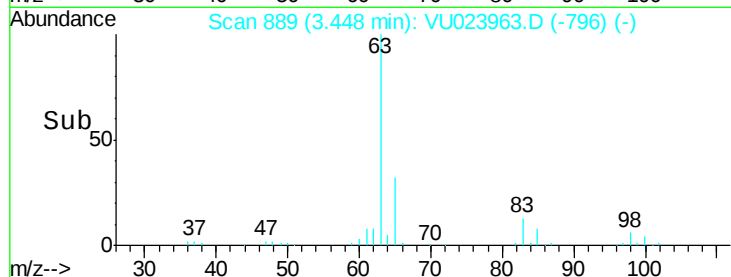
63 100

65 31.8 22.5 41.9

83 13.2 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VU023963.D (-796) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.57 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU023963.D

Acq: 21 May 2018 10:42

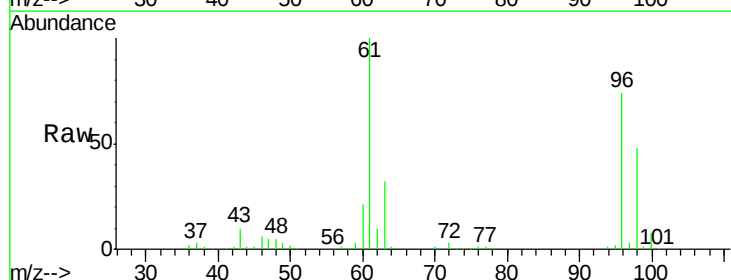
Tgt Ion: 96 Resp: 132119

Ion Ratio Lower Upper

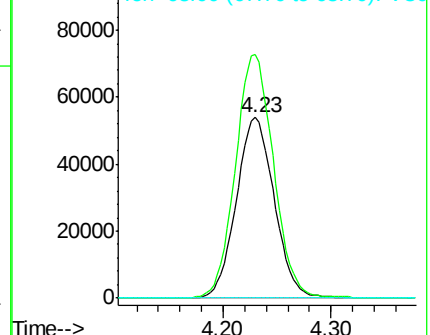
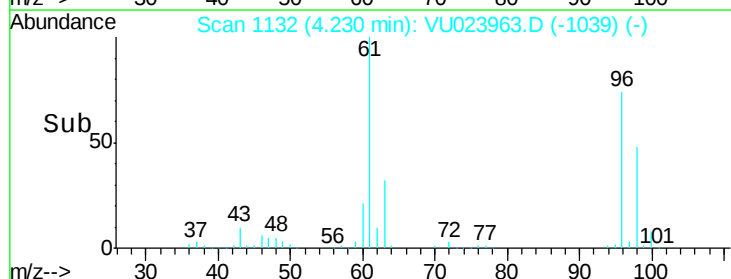
96 100

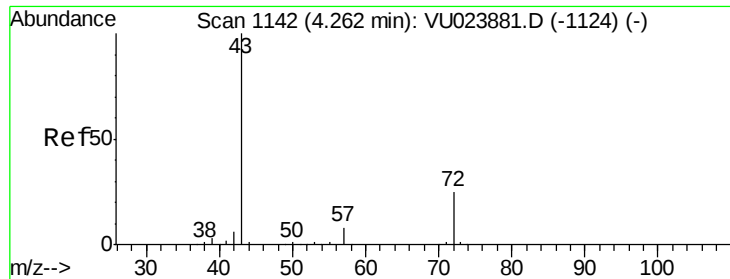
61 134.9 93.3 173.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU023963.D (-1039) (-)





#22

2-Butanone

Concen: 103.81 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU023963.D

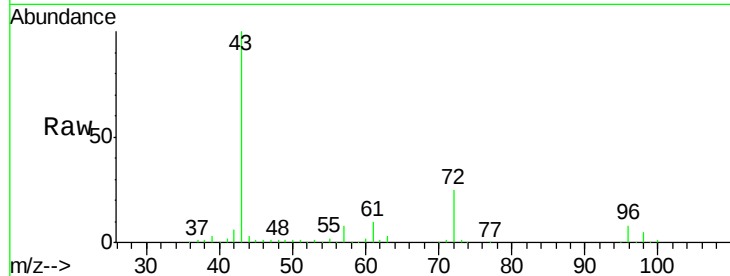
Acq: 21 May 2018 10:42

Tgt Ion: 43 Resp: 254984

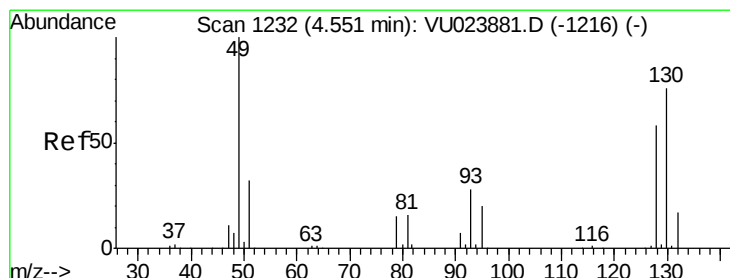
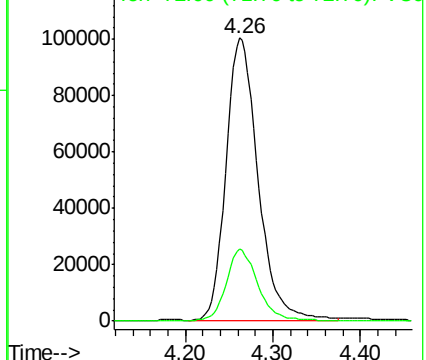
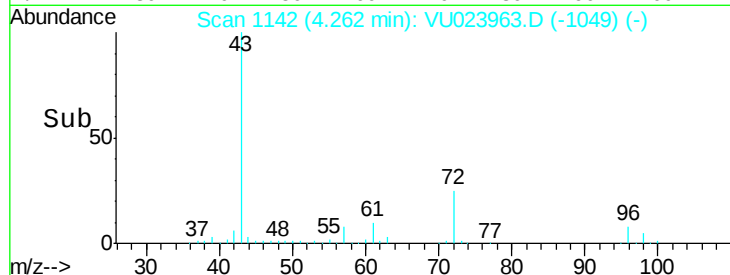
Ion Ratio Lower Upper

43 100

72 25.3 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VU023963.D (-1049) (-)



#23

Bromochloromethane

Concen: 47.59 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU023963.D

Acq: 21 May 2018 10:42

Tgt Ion: 128 Resp: 65706

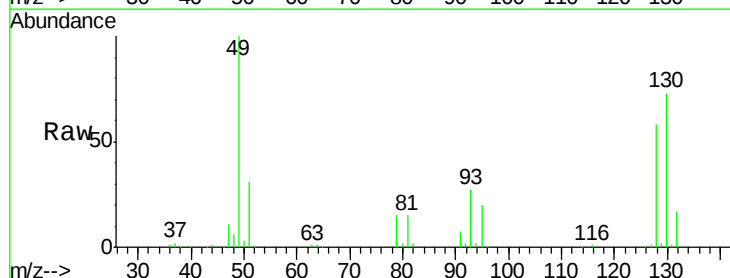
Ion Ratio Lower Upper

128 100

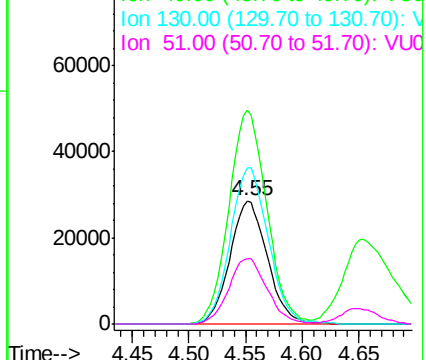
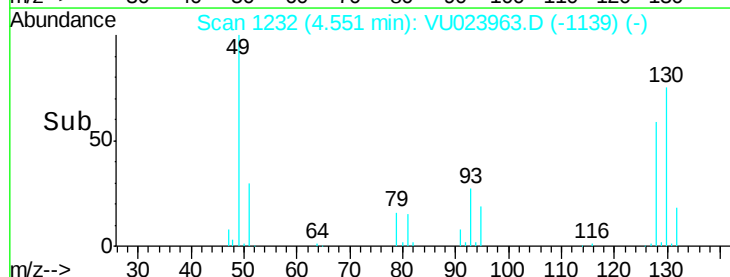
49 173.7 117.6 218.4

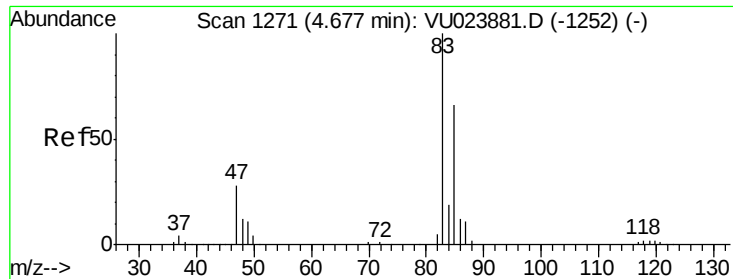
130 126.7 93.4 173.6

51 53.2 42.6 64.0



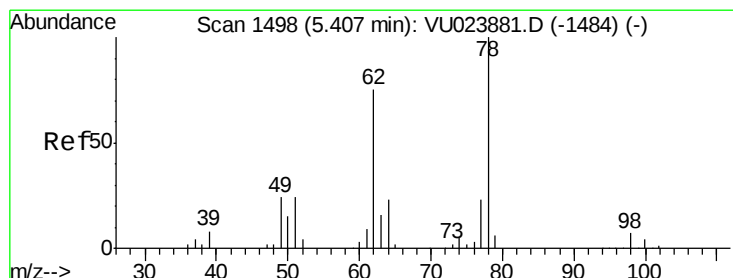
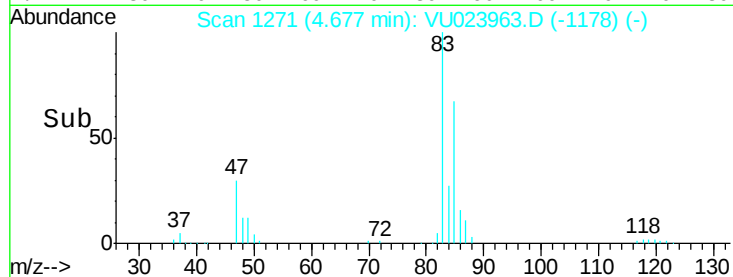
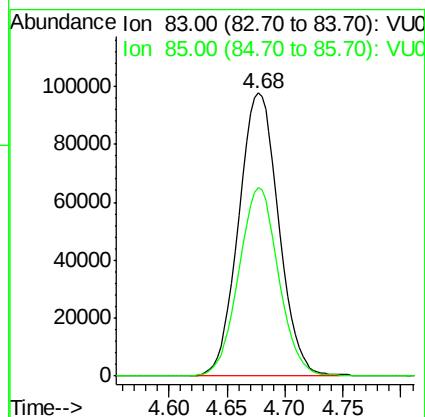
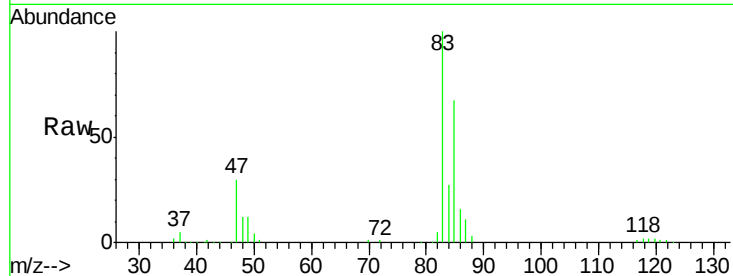
Abundance Ion 128.00 (127.70 to 128.70): VU023963.D (-1139) (-)





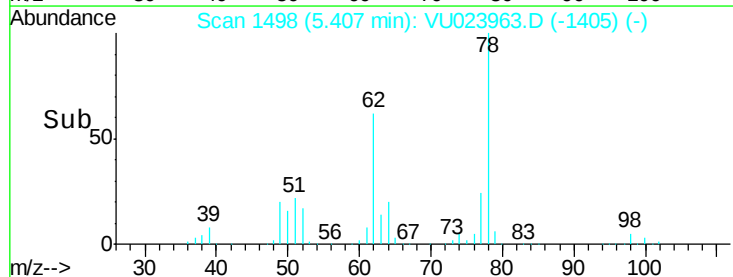
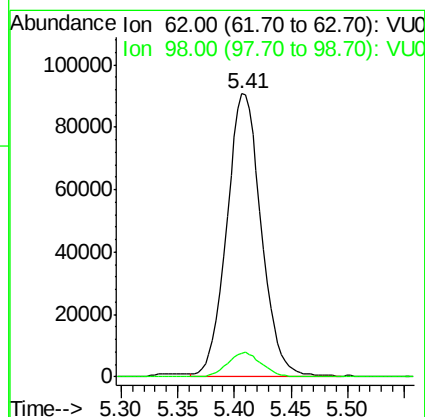
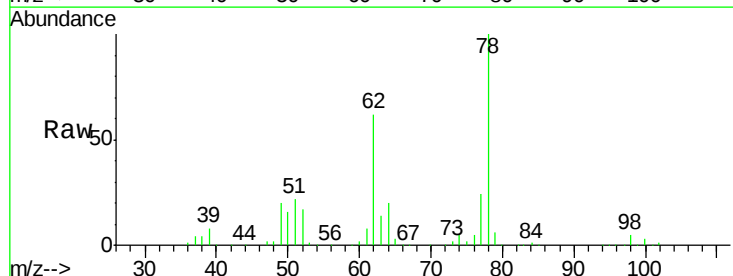
#25
Chloroform
Concen: 47.90 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

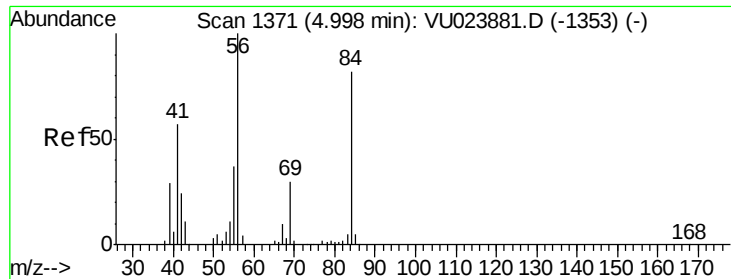
Tgt Ion: 83 Resp: 234828
Ion Ratio Lower Upper
83 100
85 66.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 51.59 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

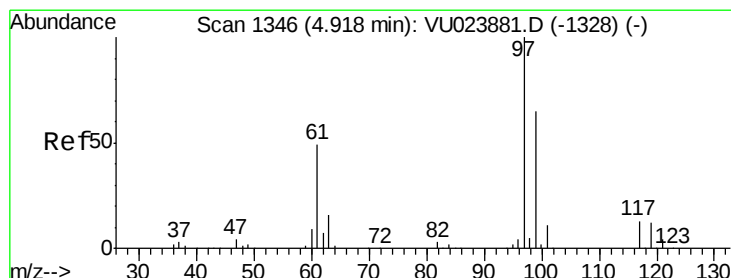
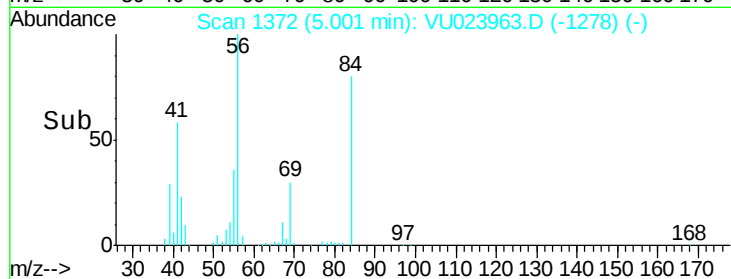
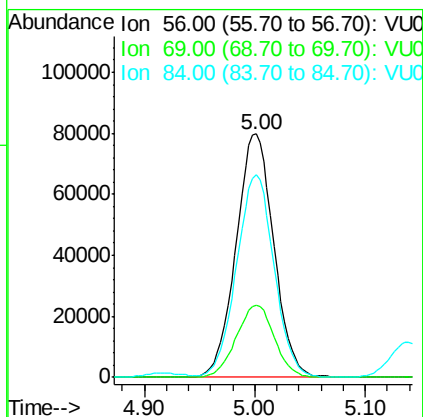
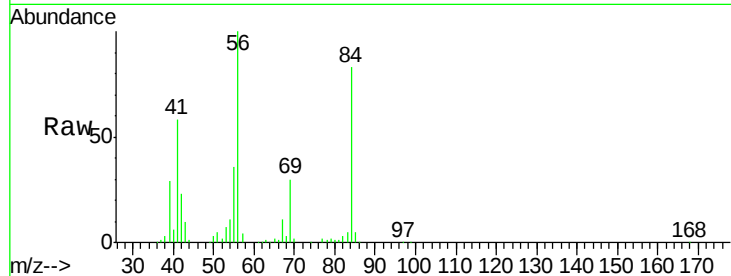
Tgt Ion: 62 Resp: 192349
Ion Ratio Lower Upper
62 100
98 8.5 7.5 11.3





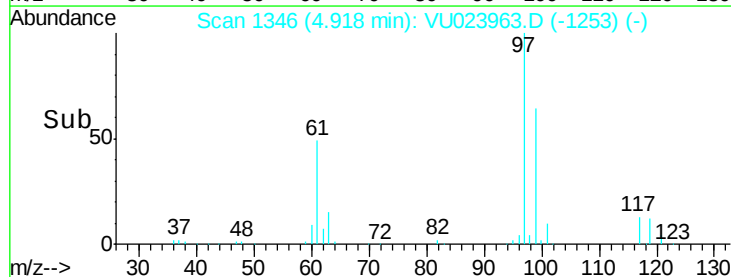
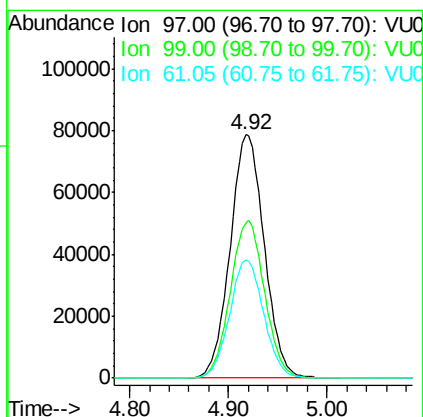
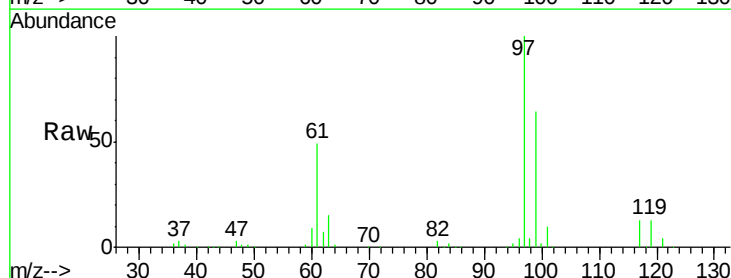
#29
Cyclohexane
Concen: 50.73 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

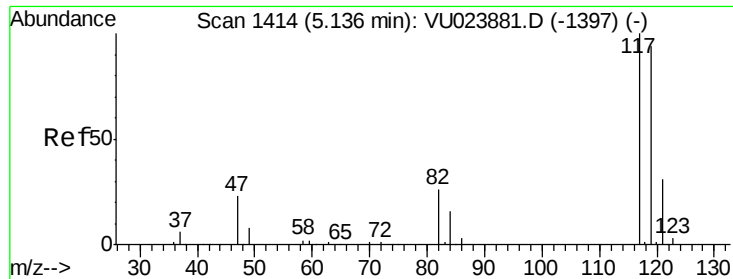
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.6	35.4
84	82.9	65.8	98.6



#30
1,1,1-Trichloroethane
Concen: 48.83 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	48.6	37.6	56.4





#31

Carbon tetrachloride

Concen: 48.09 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU023963.D

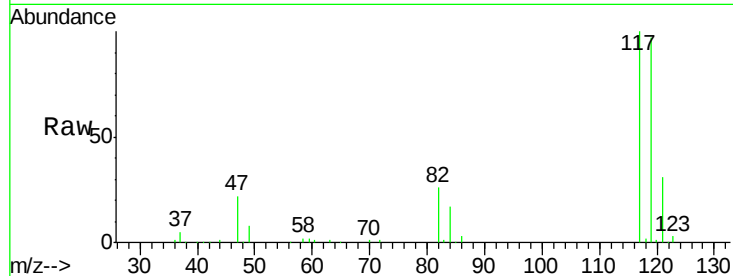
Acq: 21 May 2018 10:42

Tgt Ion: 117 Resp: 160662

Ion Ratio Lower Upper

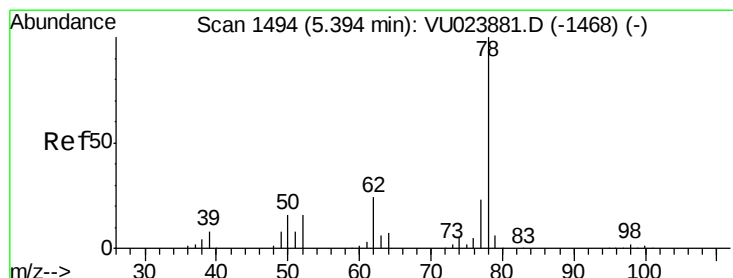
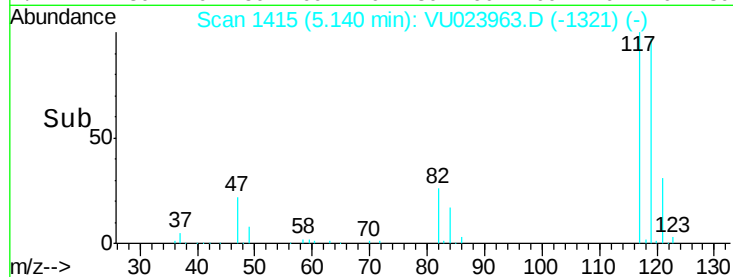
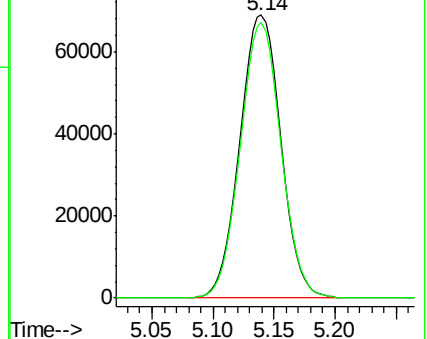
117 100

119 96.4 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.59 ug/L

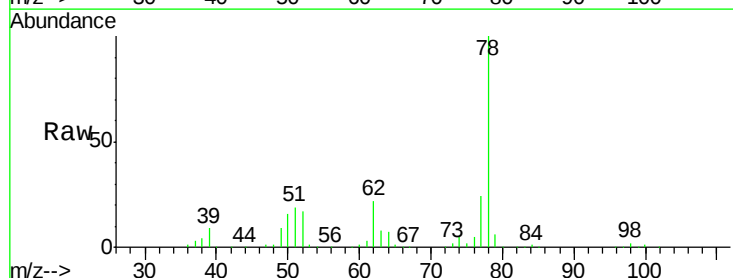
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

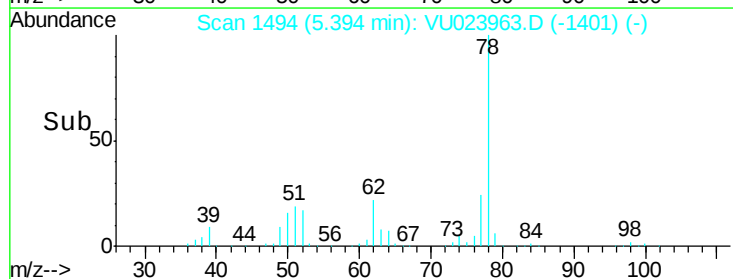
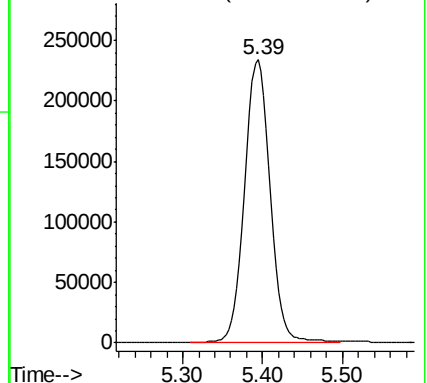
Lab File: VU023963.D

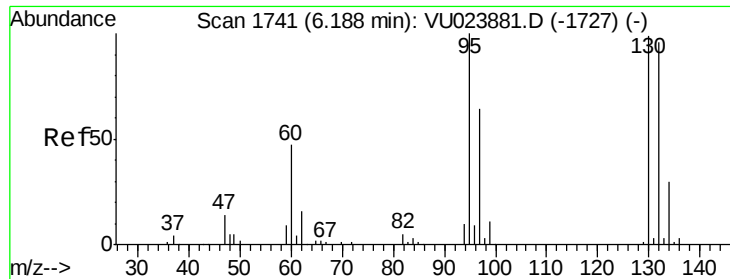
Acq: 21 May 2018 10:42

Tgt Ion: 78 Resp: 506453



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.52 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU023963.D

Acq: 21 May 2018 10:42

Tgt Ion: 95 Resp: 128979

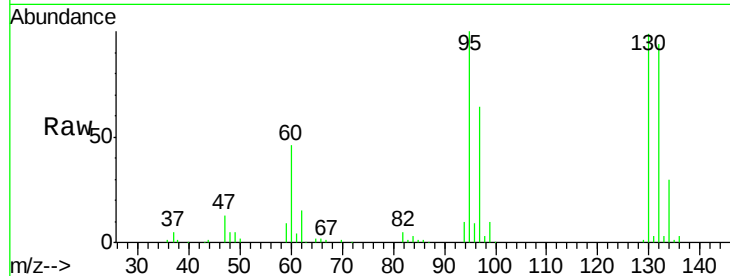
Ion Ratio Lower Upper

95 100

97 64.3 45.4 84.2

132 94.3 69.0 128.1

130 98.6 71.7 133.1

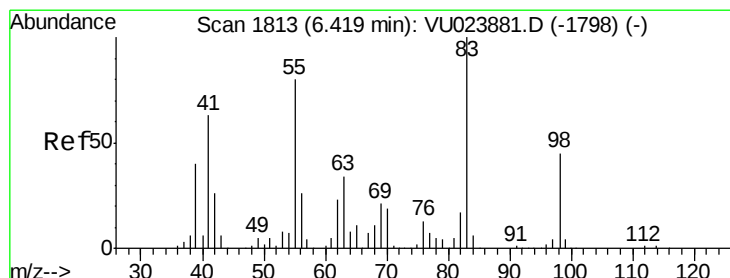
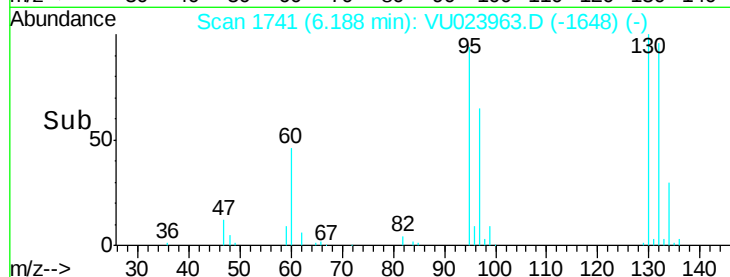
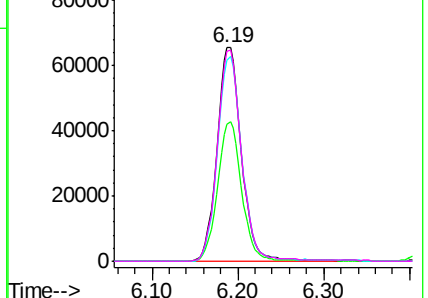


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 52.52 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU023963.D

Acq: 21 May 2018 10:42

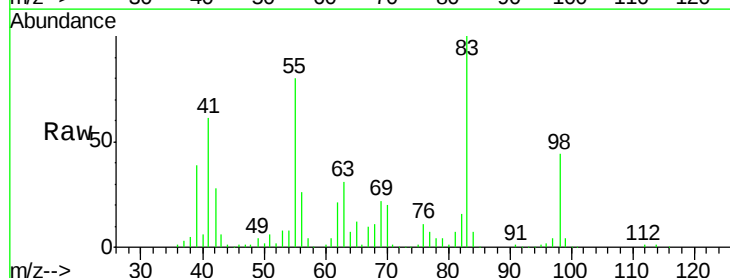
Tgt Ion: 83 Resp: 194139

Ion Ratio Lower Upper

83 100

55 80.6 67.2 100.8

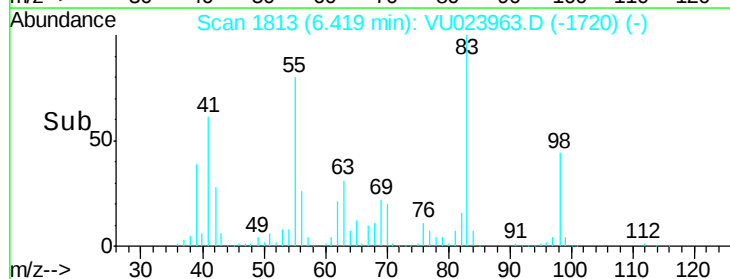
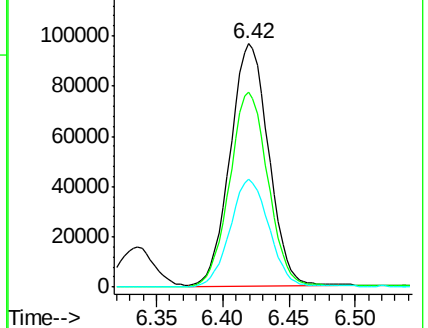
98 45.2 36.6 54.8

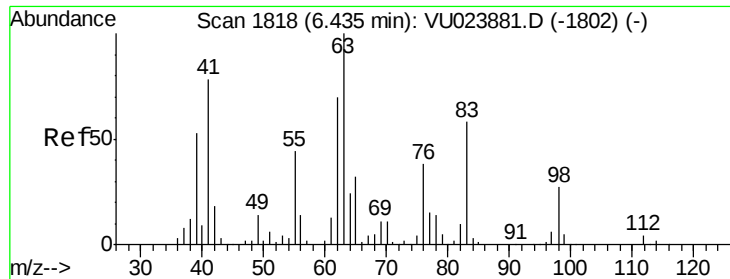


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

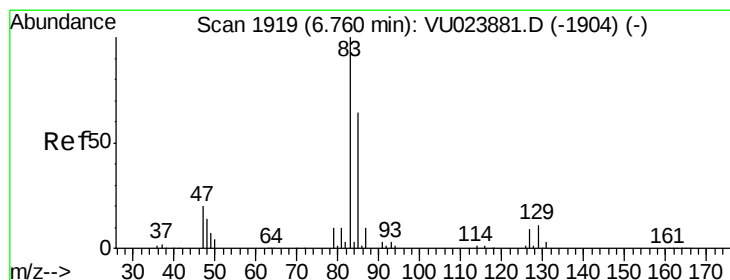
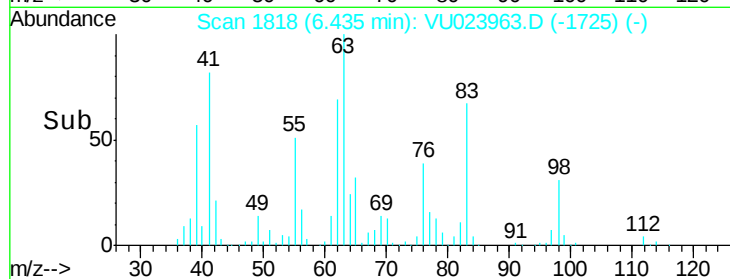
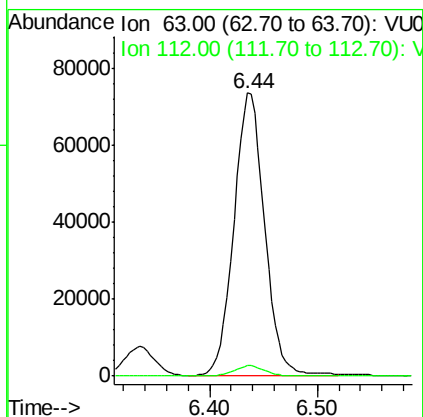
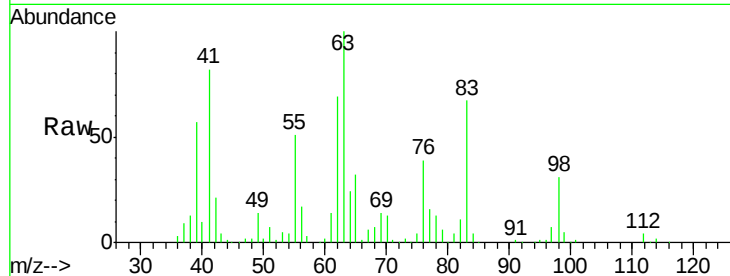
Ion 98.00 (97.70 to 98.70): VU0





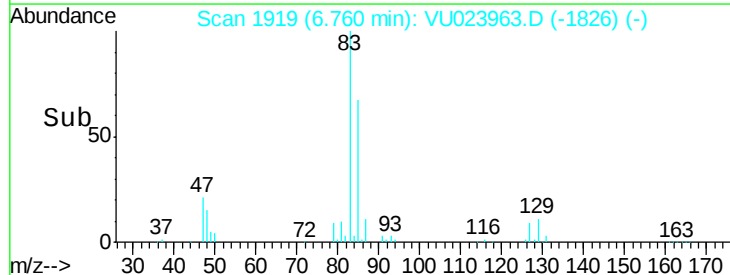
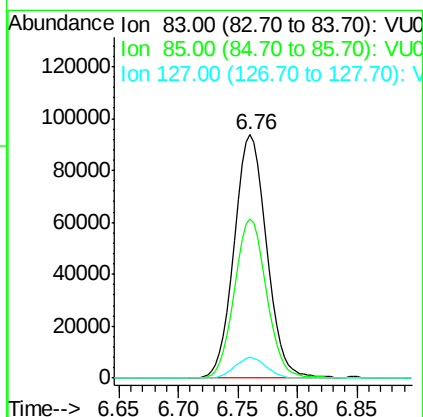
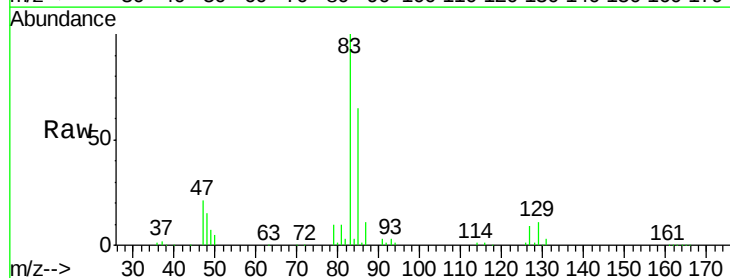
#37
 1,2-Dichloropropane
 Concen: 48.08 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU023963.D
 Acq: 21 May 2018 10:42

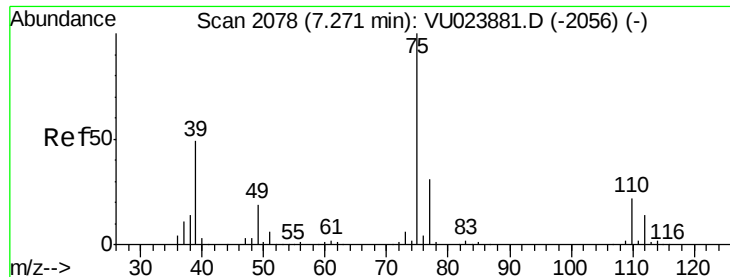
Tgt Ion: 63 Resp: 145290
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.2 4.8



#38
 Bromodichloromethane
 Concen: 49.61 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU023963.D
 Acq: 21 May 2018 10:42

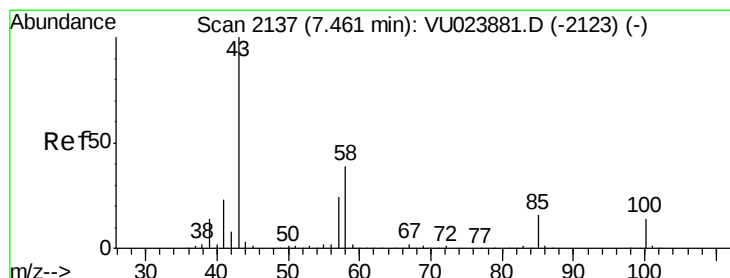
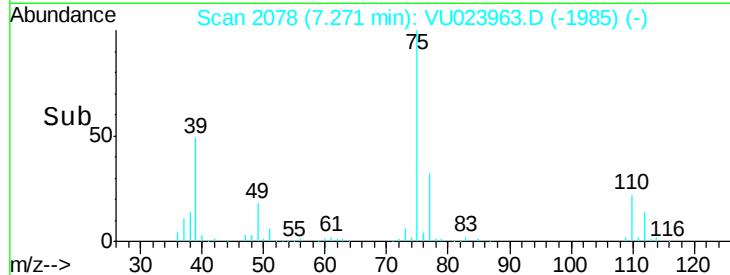
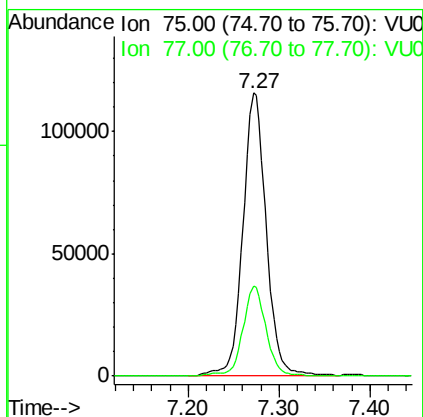
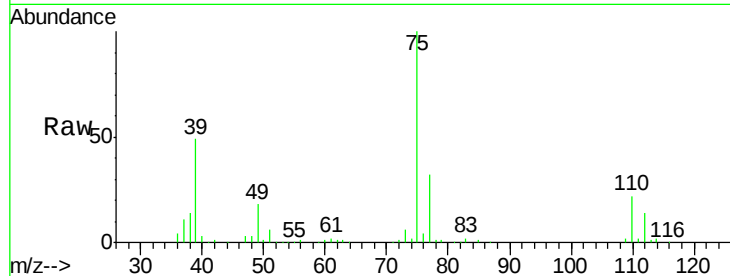
Tgt Ion: 83 Resp: 177663
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.8 85.0
 127 8.5 6.6 10.0





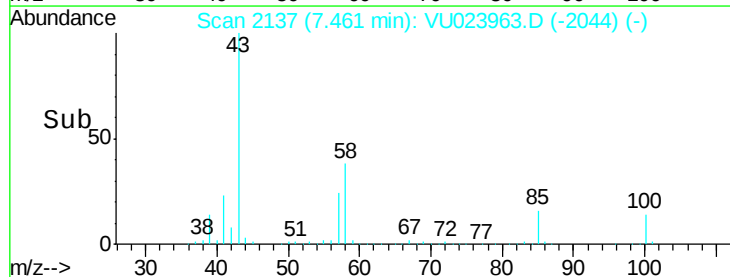
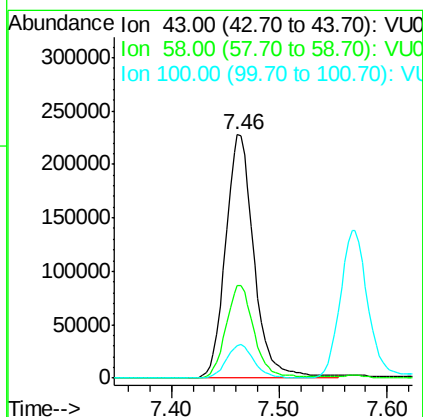
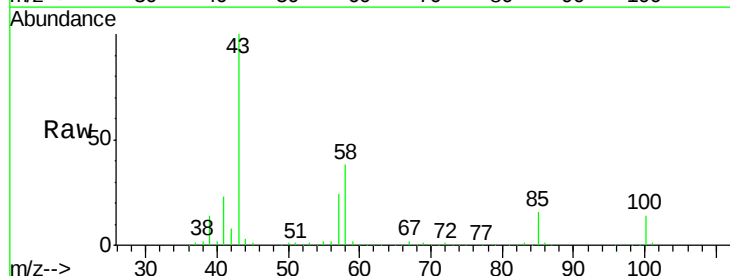
#39
 cis-1,3-Dichloropropene
 Concen: 52.02 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU023963.D
 Acq: 21 May 2018 10:42

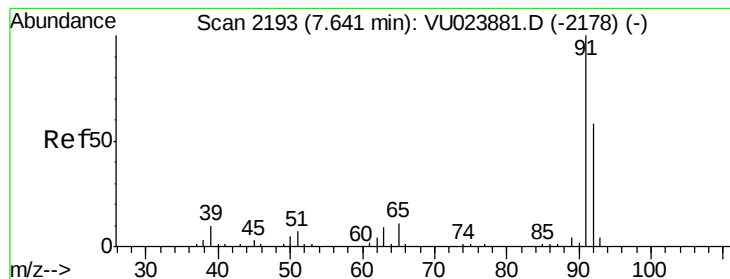
Tgt Ion: 75 Resp: 207495
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 98.43 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU023963.D
 Acq: 21 May 2018 10:42

Tgt Ion: 43 Resp: 419049
 Ion Ratio Lower Upper
 43 100
 58 38.0 31.4 47.2
 100 13.4 11.2 16.8





#42

Toluene

Concen: 50.95 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU023963.D

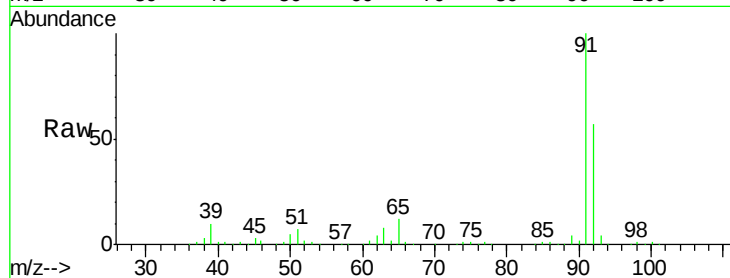
Acq: 21 May 2018 10:42

Tgt Ion: 91 Resp: 542187

Ion Ratio Lower Upper

91 100

92 56.9 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU023881.D (-2178) (-)

Ion 92.00 (91.70 to 92.70): VU023881.D (-2178) (-)

7.64

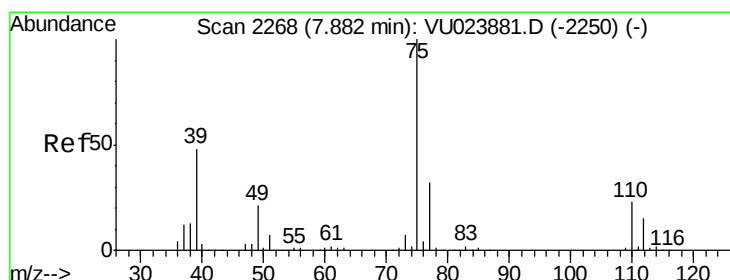
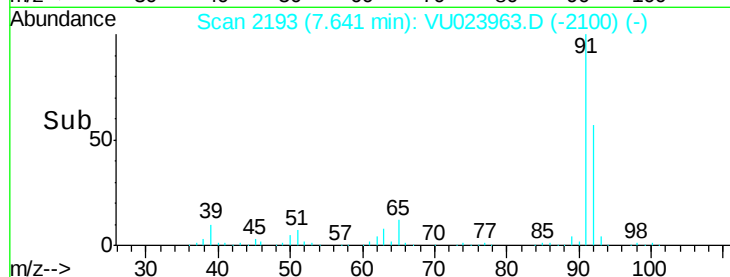
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#44

trans-1,3-Dichloropropene

Concen: 51.97 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU023963.D

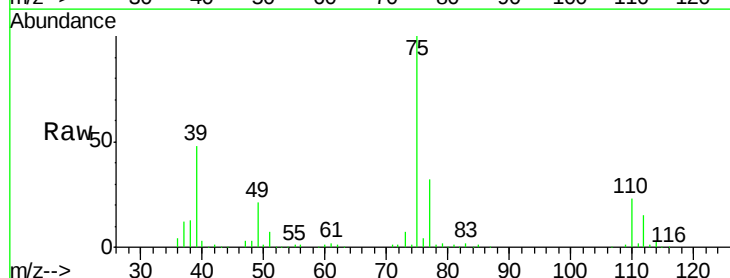
Acq: 21 May 2018 10:42

Tgt Ion: 75 Resp: 190892

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU023881.D (-2250) (-)

Ion 77.00 (76.70 to 77.70): VU023881.D (-2250) (-)

7.88

120000

100000

80000

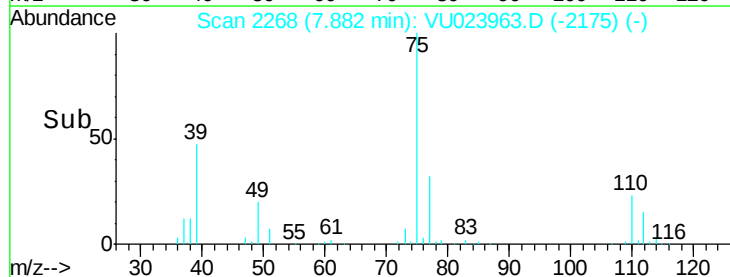
60000

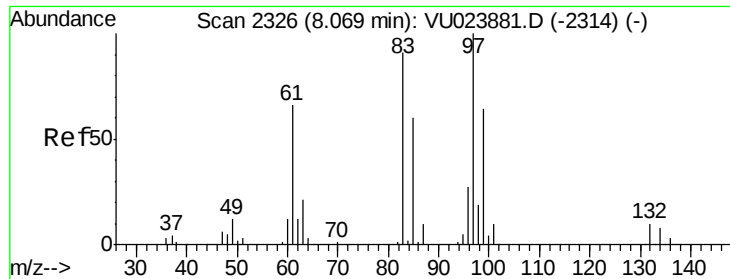
40000

20000

0

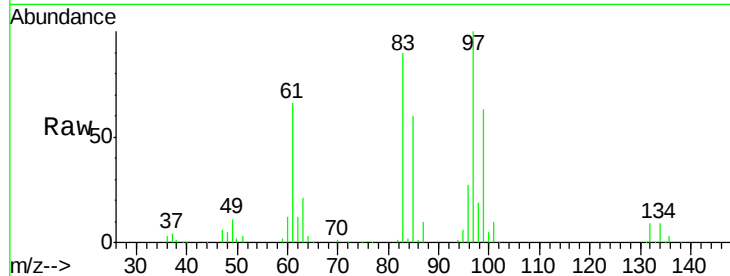
Time--> 7.80 7.90 8.00



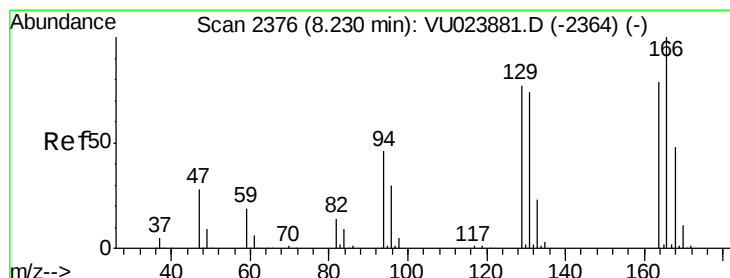
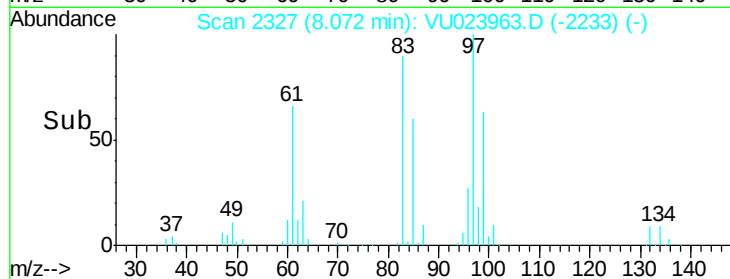
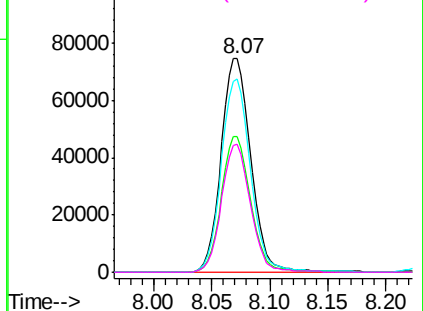


#45
 1,1,2-Trichloroethane
 Concen: 48.82 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU023963.D
 Acq: 21 May 2018 10:42

Tgt Ion:	97	Resp:	132511
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.3	80.3
83	90.2	61.9	114.9
85	59.9	39.8	74.0

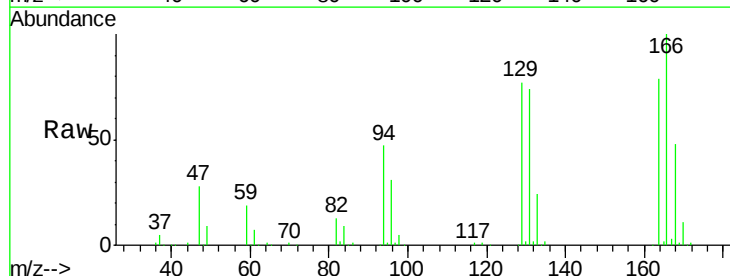


Abundance Ion 97.00 (96.70 to 97.70): VU023881.D (-2314) (-)

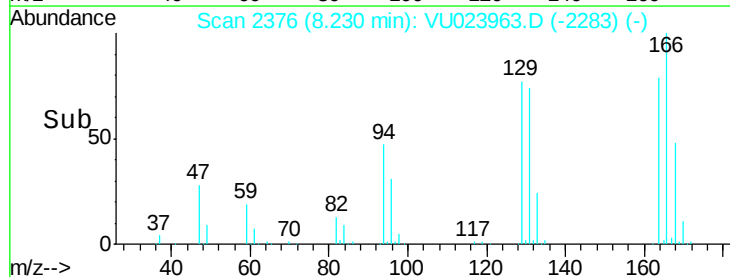
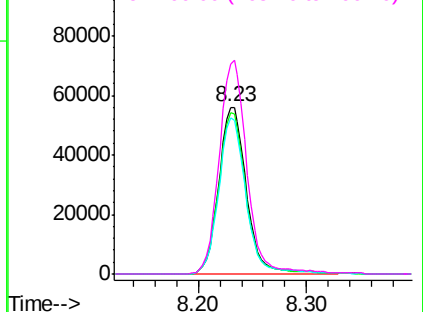


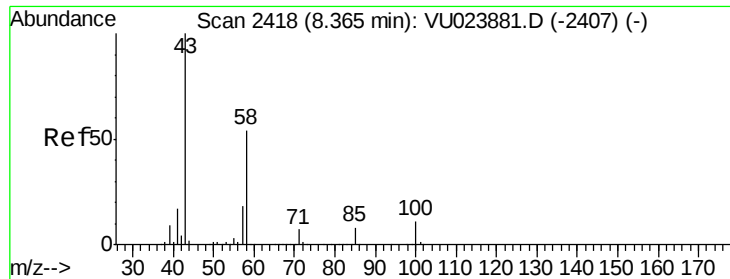
#46
 Tetrachloroethene
 Concen: 47.14 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU023963.D
 Acq: 21 May 2018 10:42

Tgt Ion:	164	Resp:	100386
Ion	Ratio	Lower	Upper
164	100		
129	97.0	65.3	121.3
131	93.5	63.0	117.0
166	126.1	87.4	162.2



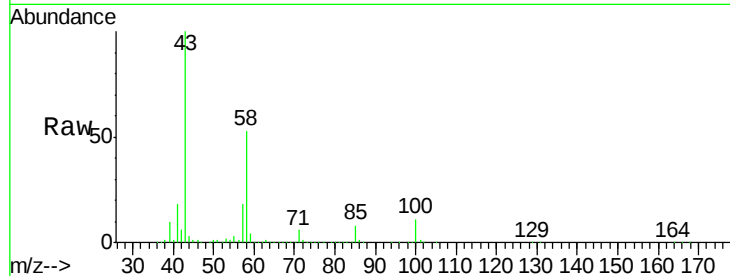
Abundance Ion 164.00 (163.70 to 164.70): VU023881.D (-2364) (-)



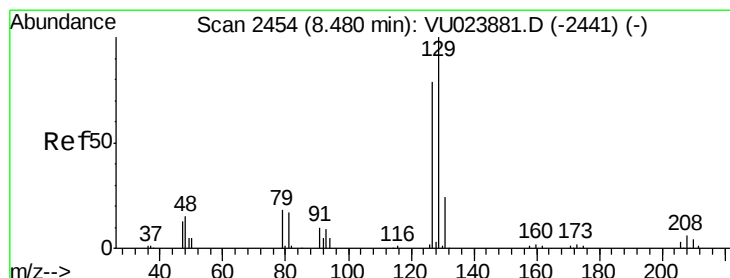
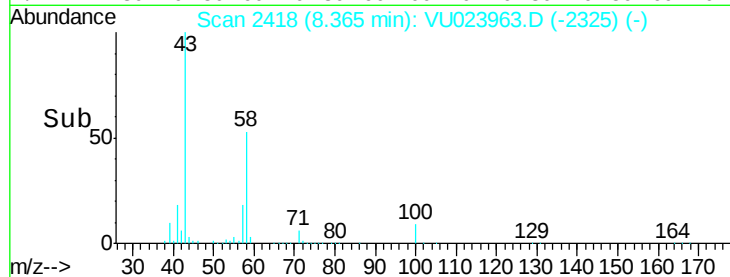
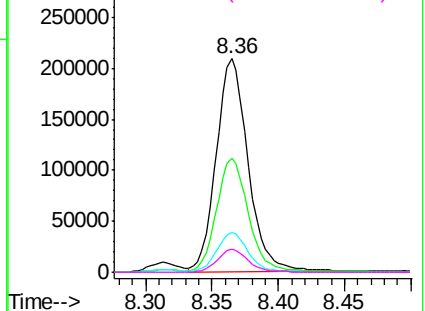


#48
2-Hexanone
Concen: 100.12 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

Tgt Ion:	43	Resp:	346148
Ion	Ratio	Lower	Upper
43	100		
58	53.5	42.6	63.8
57	18.5	14.9	22.3
100	10.6	8.5	12.7

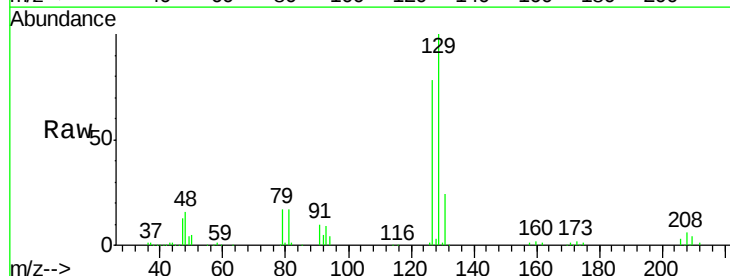


Abundance Ion 43.00 (42.70 to 43.70): VU023963.D (-2325) (-)
Ion 58.00 (57.70 to 58.70): VU023963.D (-2325) (-)
Ion 57.00 (56.70 to 57.70): VU023963.D (-2325) (-)
Ion 100.00 (99.70 to 100.70): VU023963.D (-2325) (-)

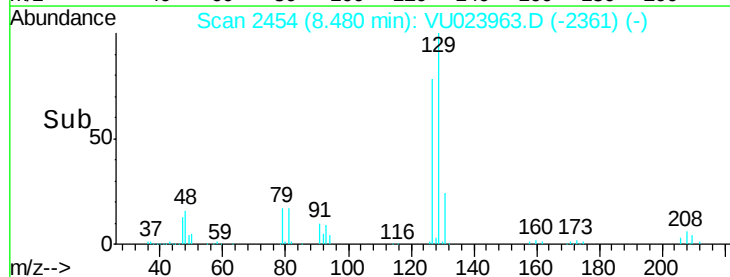
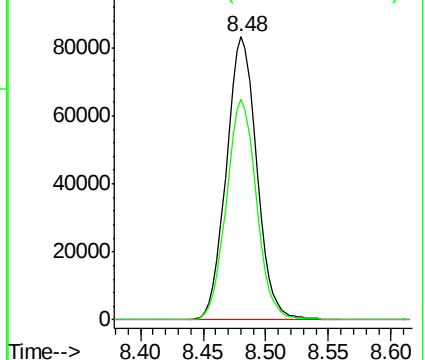


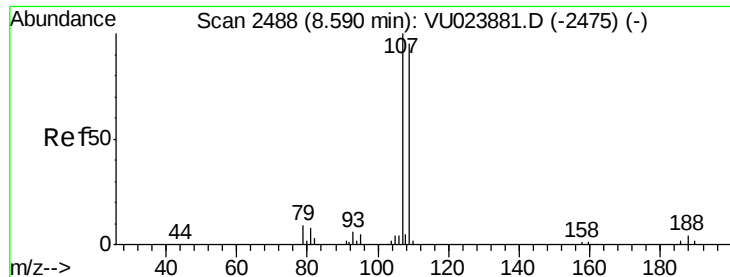
#49
Dibromochloromethane
Concen: 48.76 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

Tgt Ion:	129	Resp:	140717
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.5	99.5



Abundance Ion 129.00 (128.70 to 129.70): VU023963.D (-2361) (-)
Ion 127.00 (126.70 to 127.70): VU023963.D (-2361) (-)





#50

1,2-Dibromoethane

Concen: 48.22 ug/L

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU023963.D

Acq: 21 May 2018 10:42

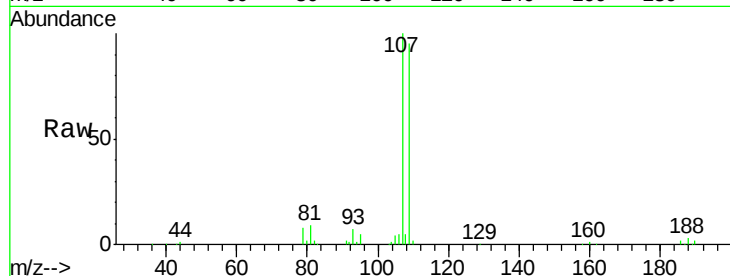
Tgt Ion:107 Resp: 133502

Ion Ratio Lower Upper

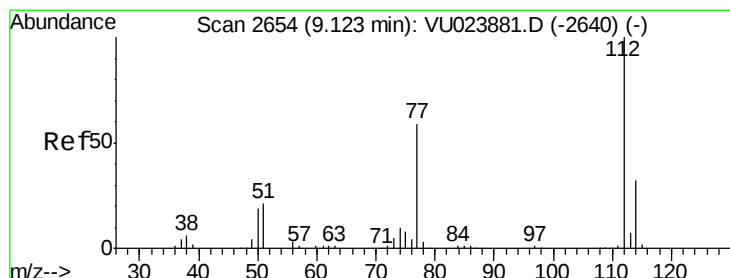
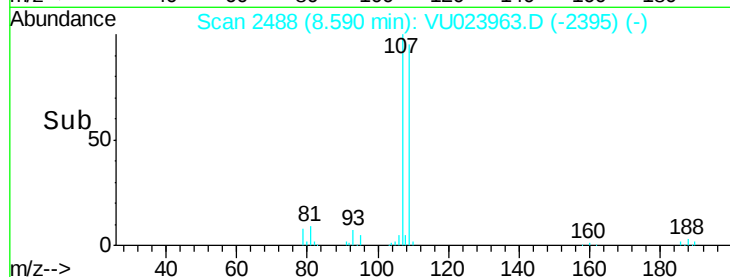
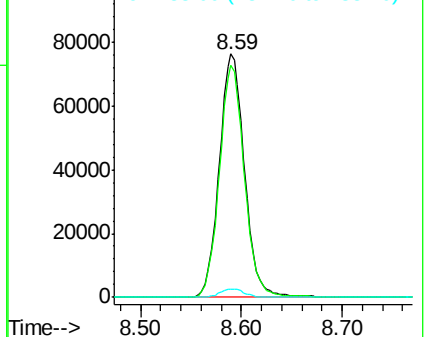
107 100

109 95.1 66.3 123.1

188 3.4 3.1 4.7



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



#51

Chlorobenzene

Concen: 49.24 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU023963.D

Acq: 21 May 2018 10:42

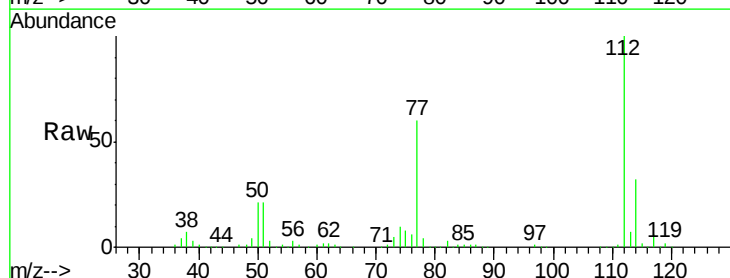
Tgt Ion:112 Resp: 355487

Ion Ratio Lower Upper

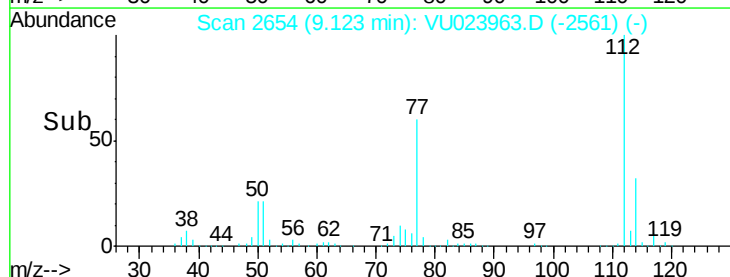
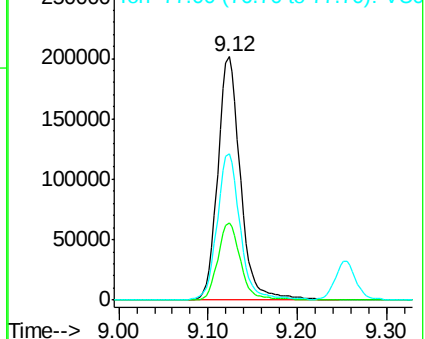
112 100

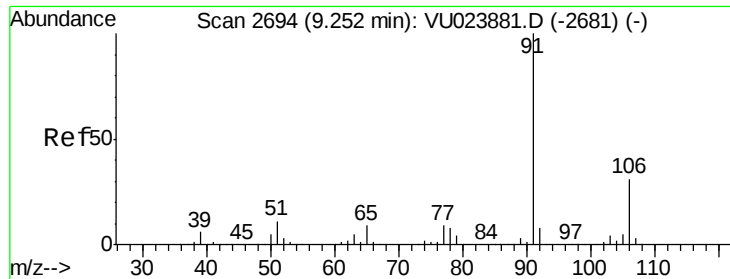
114 31.6 22.7 42.1

77 60.0 46.7 70.1



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





#52

Ethylbenzene

Concen: 52.13 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU023963.D

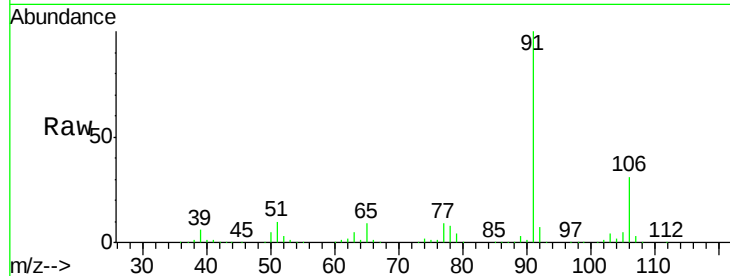
Acq: 21 May 2018 10:42

Tgt Ion: 91 Resp: 598092

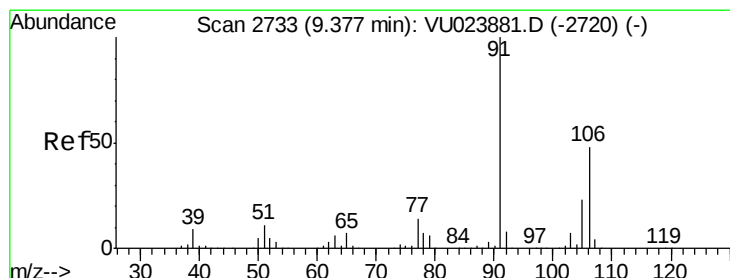
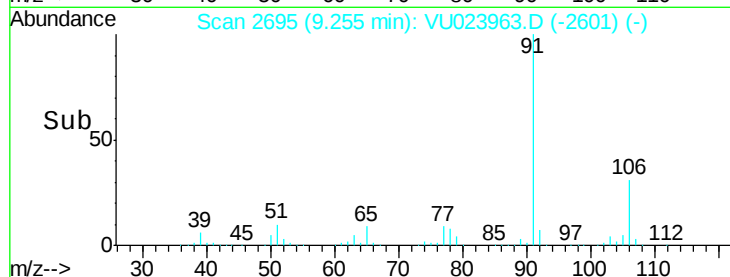
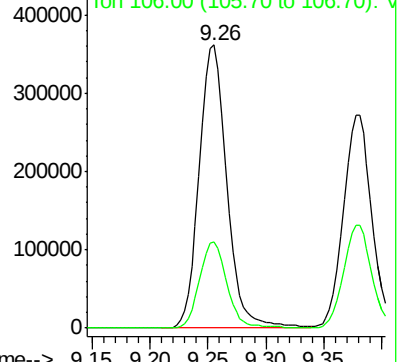
Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU023881.D (-2681) (-)



#53

m,p-Xylene

Concen: 51.92 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU023963.D

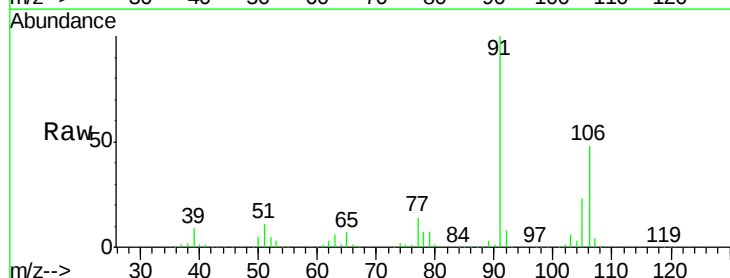
Acq: 21 May 2018 10:42

Tgt Ion: 106 Resp: 225724

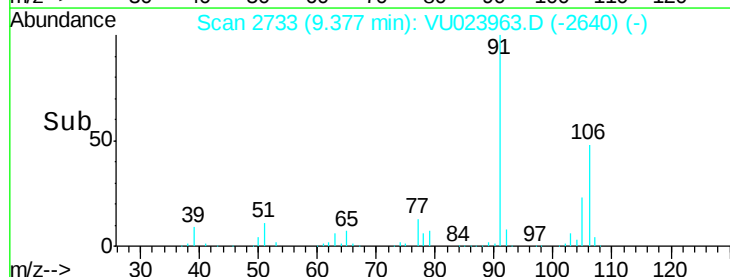
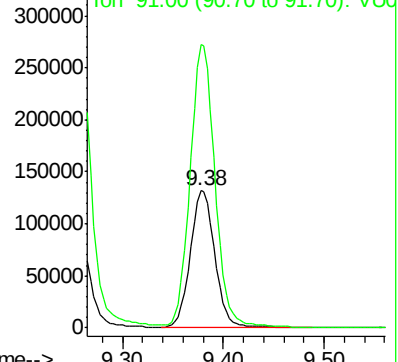
Ion Ratio Lower Upper

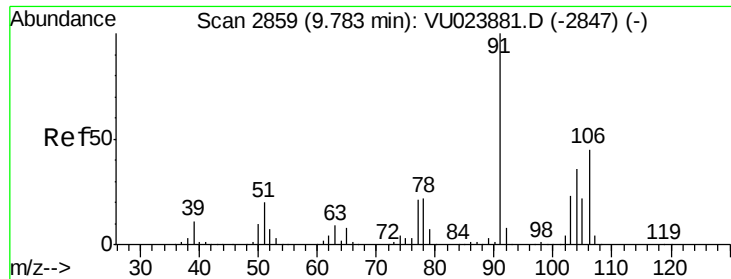
106 100

91 206.7 141.8 263.4



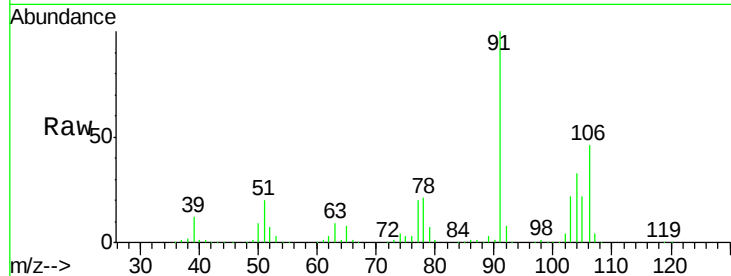
Abundance Ion 106.00 (105.70 to 106.70): VU023881.D (-2720) (-)



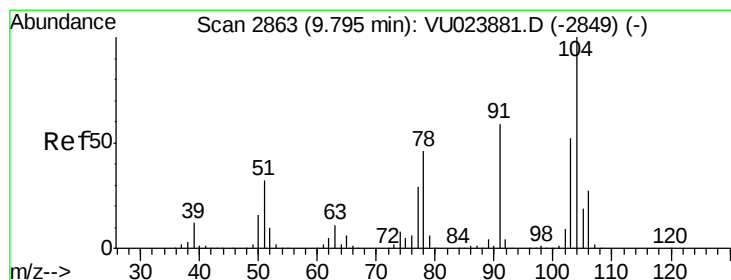
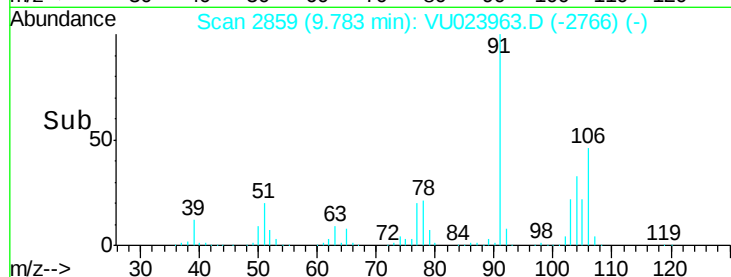
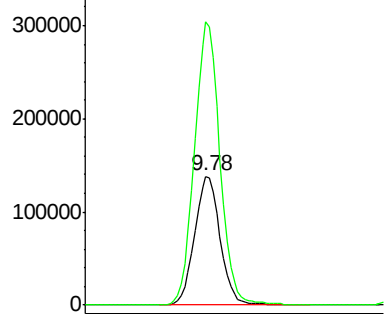


#54
o-xylene
Concen: 52.58 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

Tgt Ion:106 Resp: 222131
Ion Ratio Lower Upper
106 100
91 219.6 151.1 280.5

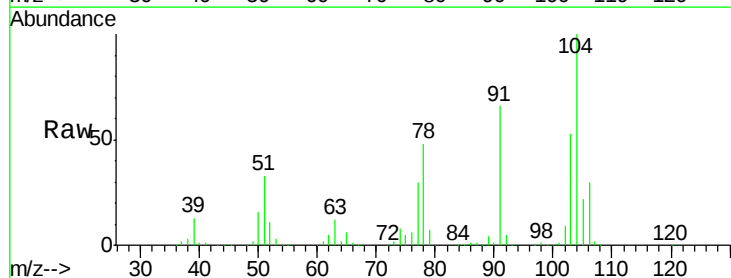


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

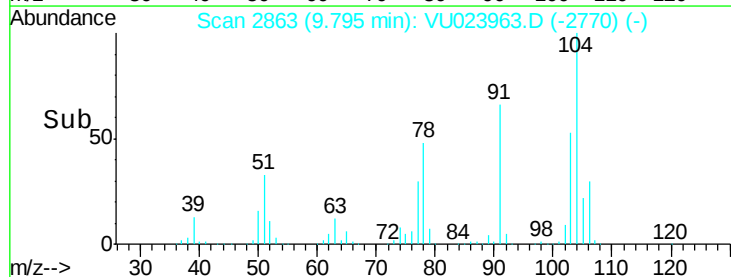
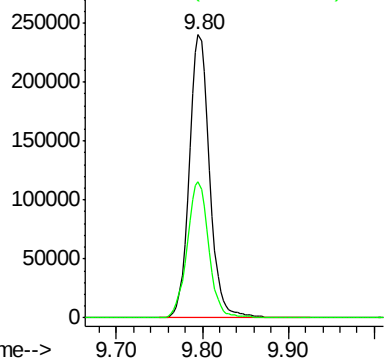


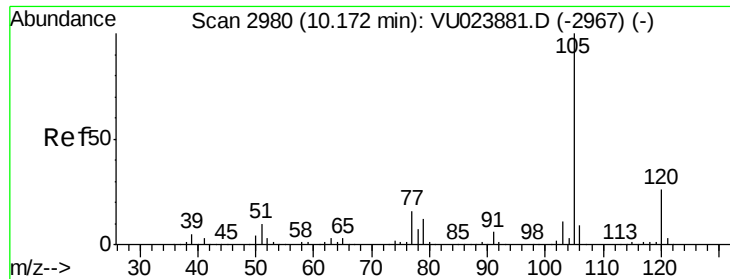
#55
Styrene
Concen: 53.43 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

Tgt Ion:104 Resp: 394610
Ion Ratio Lower Upper
104 100
78 48.2 32.0 59.4



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





#56

Isopropylbenzene

Concen: 52.70 ug/L

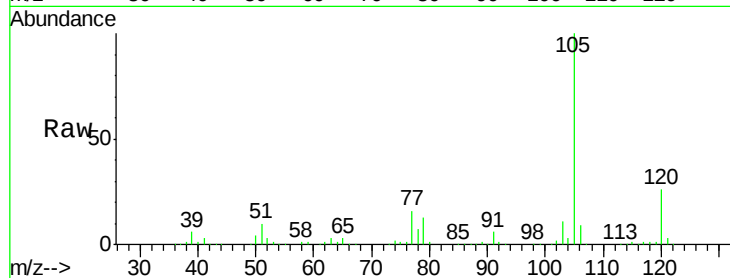
RT: 10.17 min Scan# 2980

Delta R.T. -0.00 min

Lab File: VU023963.D

Acq: 21 May 2018 10:42

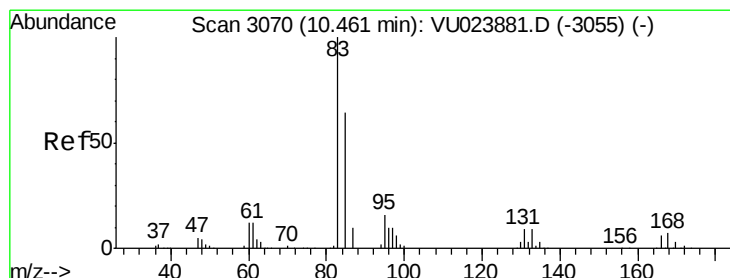
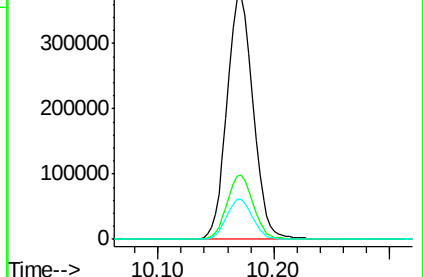
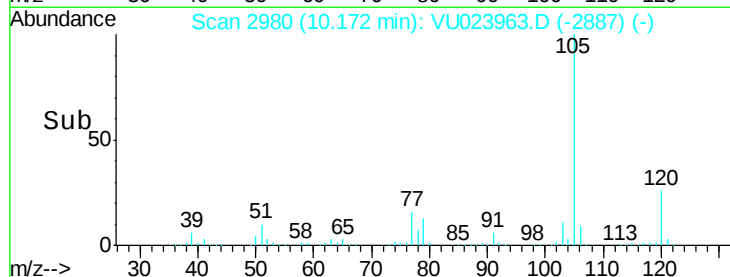
Tgt Ion:	105	Resp:	585517
Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.1	31.7
77	16.5	12.6	18.8



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: 47.20 ug/L

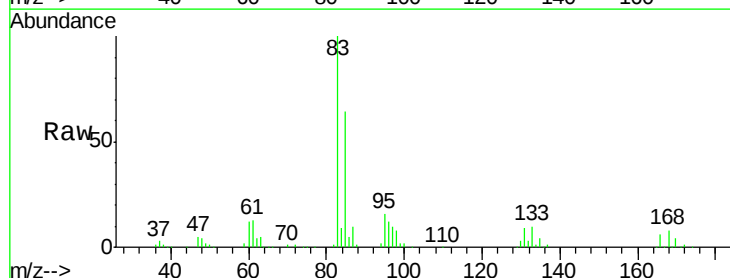
RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU023963.D

Acq: 21 May 2018 10:42

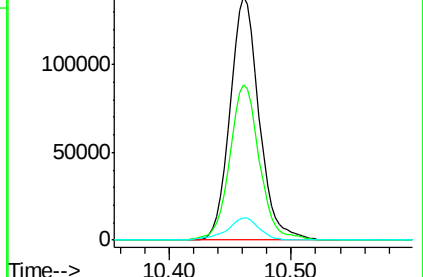
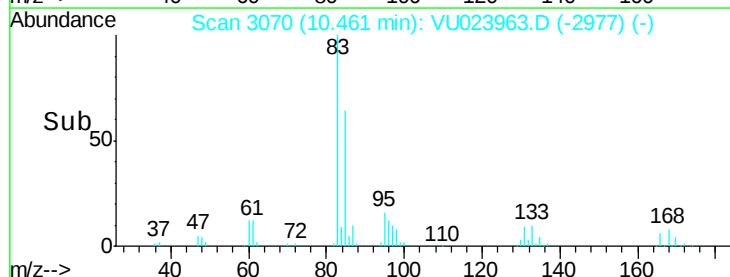
Tgt Ion:	83	Resp:	230590
Ion	Ratio	Lower	Upper
83	100		
85	64.0	45.2	84.0
131	9.1	7.9	11.9

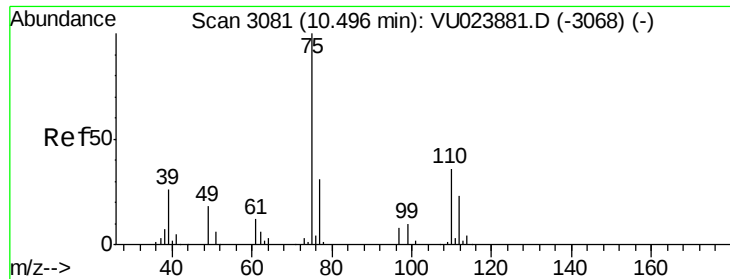


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

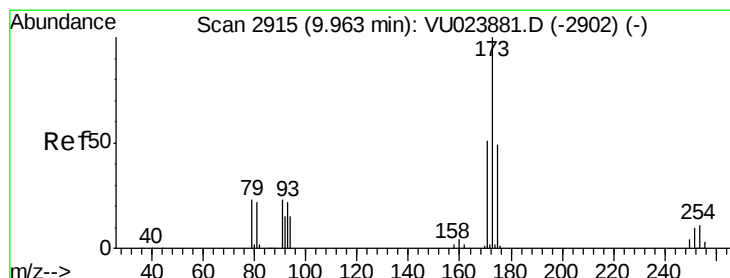
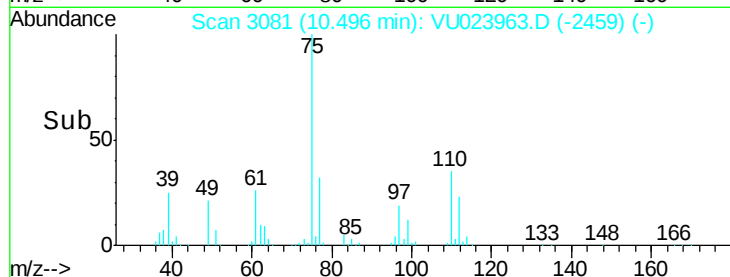
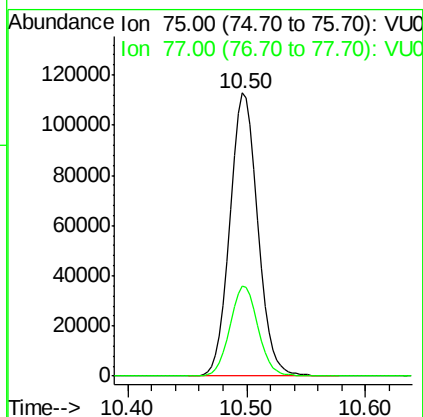
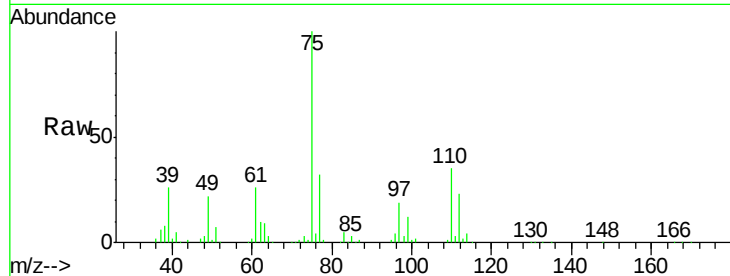
Ion 131.00 (130.70 to 131.70): V





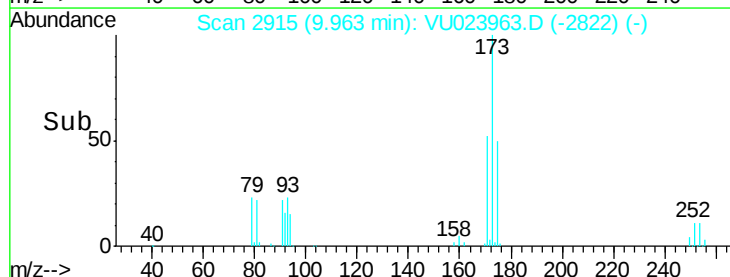
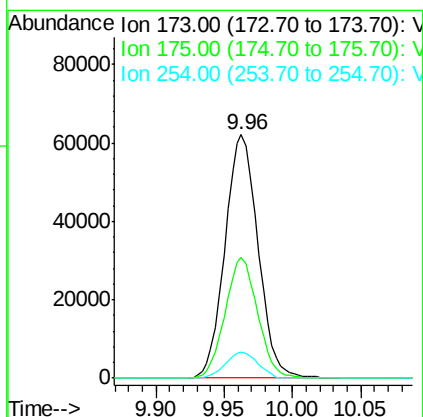
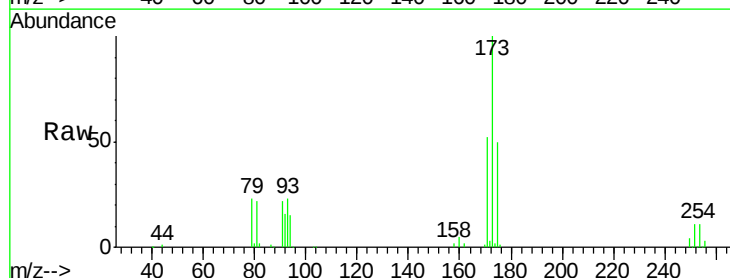
#59
 1,2,3-Trichloropropane
 Concen: 46.84 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU023963.D
 Acq: 21 May 2018 10:42

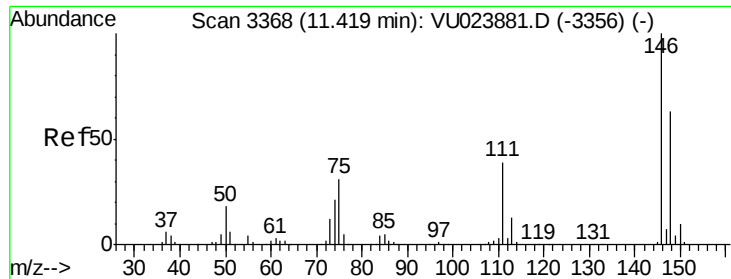
Tgt Ion: 75 Resp: 183689
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.2 39.4



#61
 Bromoform
 Concen: 46.90 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU023963.D
 Acq: 21 May 2018 10:42

Tgt Ion: 173 Resp: 104600
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.7 58.1
 254 10.3 8.9 13.3





#62

1,3-Dichlorobenzene

Concen: 50.36 ug/L

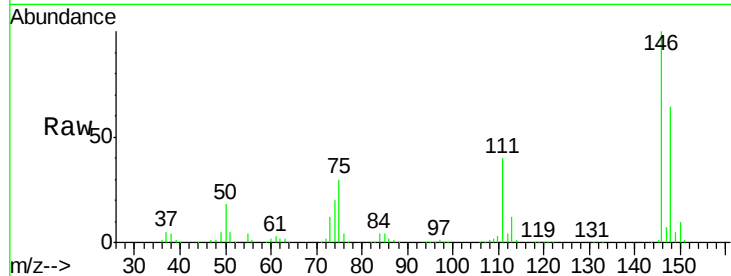
RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

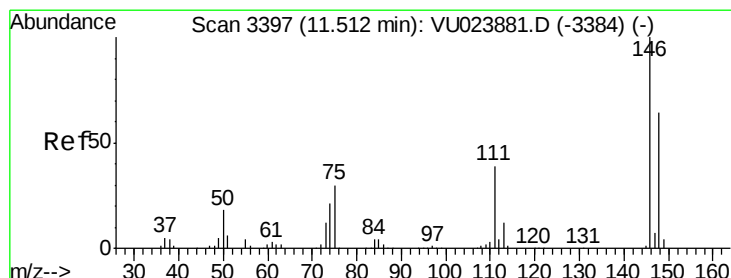
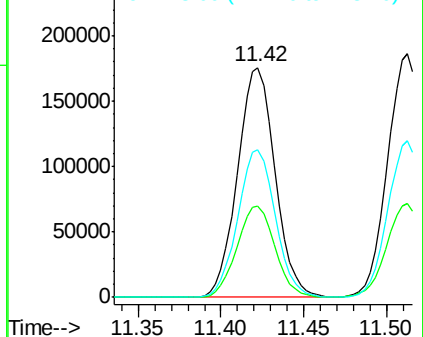
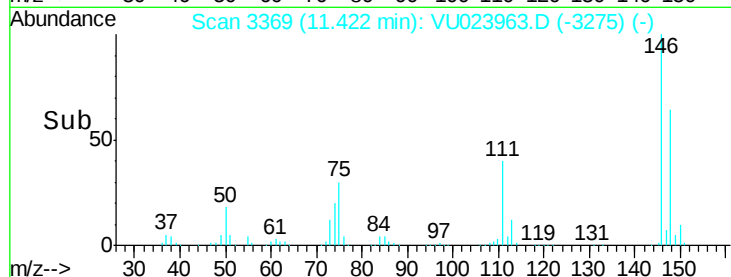
Lab File: VU023963.D

Acq: 21 May 2018 10:42

Tgt Ion:	146	Resp:	276817
Ion	Ratio	Lower	Upper
146	100		
111	39.6	27.6	51.4
148	64.1	45.4	84.2



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



#63

1,4-Dichlorobenzene

Concen: 49.89 ug/L

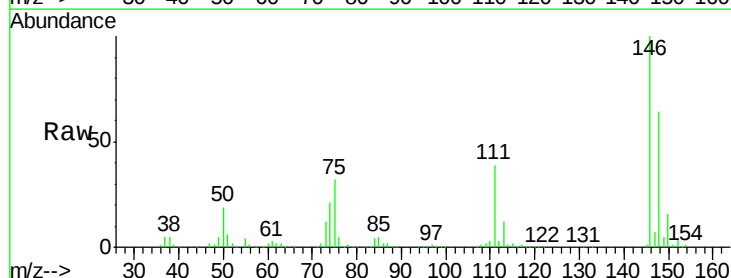
RT: 11.51 min Scan# 3397

Delta R.T. -0.00 min

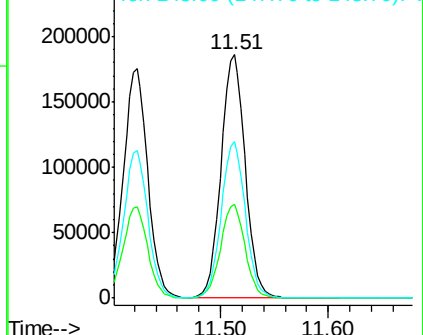
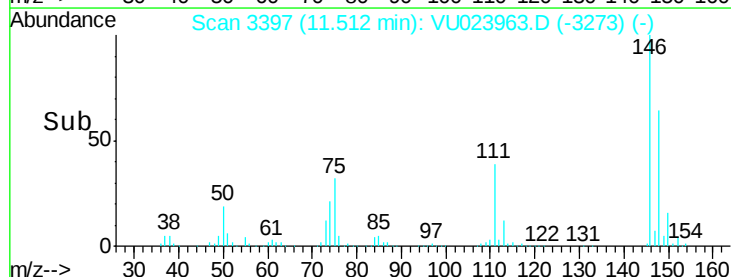
Lab File: VU023963.D

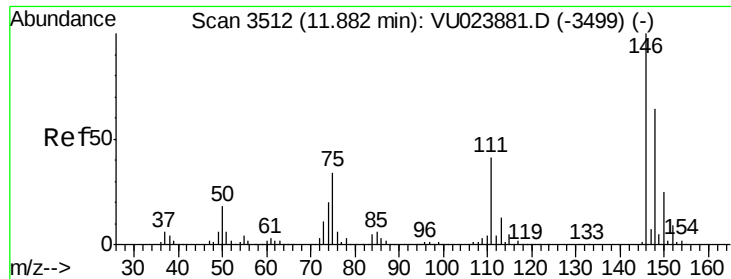
Acq: 21 May 2018 10:42

Tgt Ion:	146	Resp:	290608
Ion	Ratio	Lower	Upper
146	100		
111	38.6	27.0	50.2
148	64.3	45.2	84.0



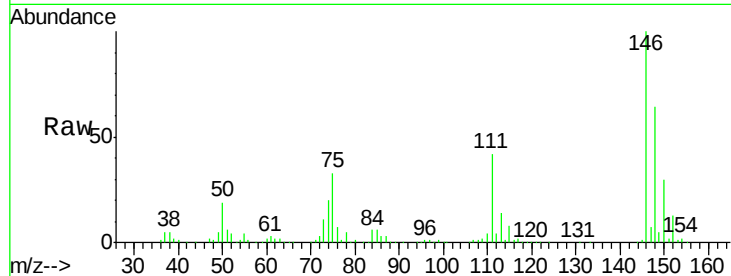
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



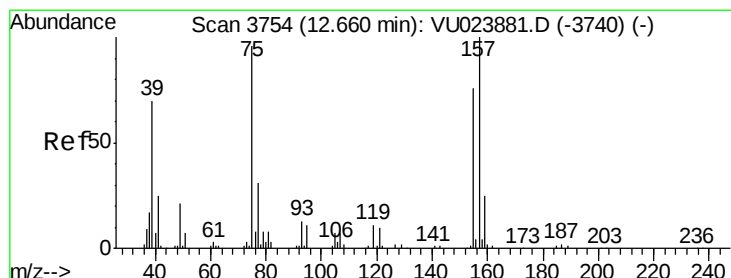
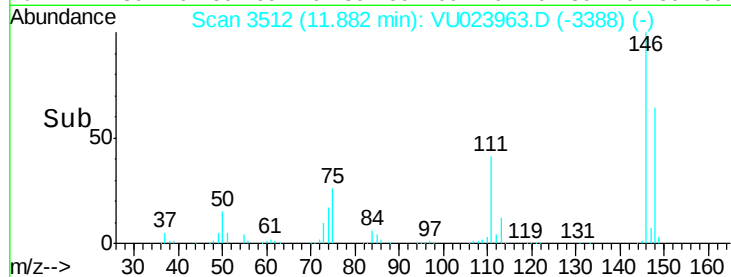
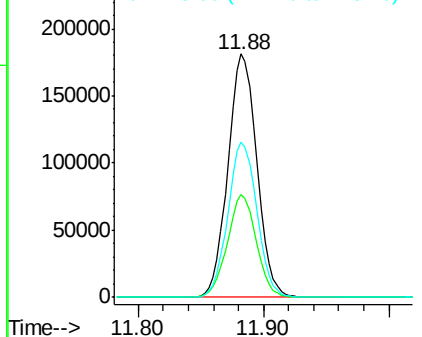


#65
 1,2-Dichlorobenzene
 Concen: 48.91 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU023963.D
 Acq: 21 May 2018 10:42

Tgt Ion: 146 Resp: 289928
 Ion Ratio Lower Upper
 146 100
 111 42.1 32.1 48.1
 148 63.8 49.8 74.8

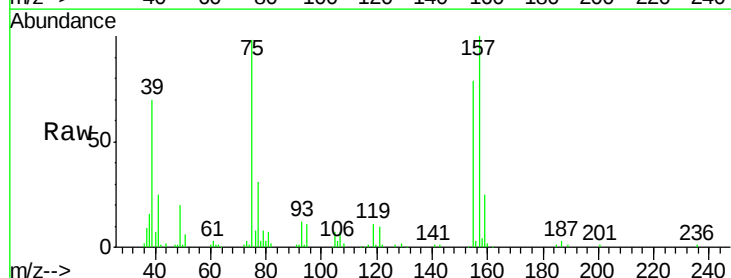


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

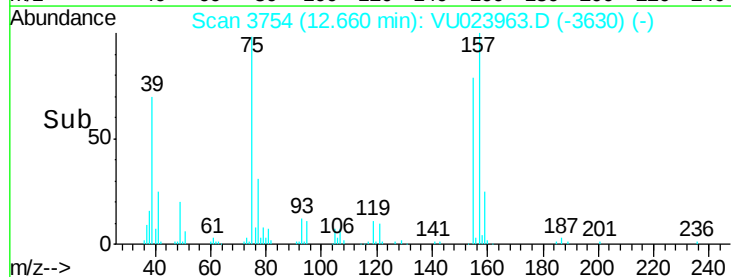
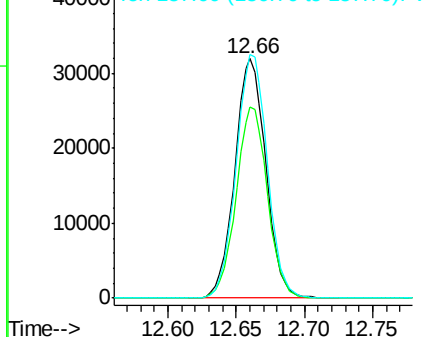


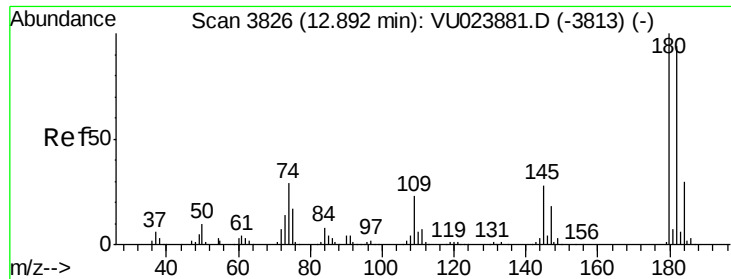
#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.15 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU023963.D
 Acq: 21 May 2018 10:42

Tgt Ion: 75 Resp: 50349
 Ion Ratio Lower Upper
 75 100
 155 79.9 69.4 104.2
 157 101.6 88.4 132.6



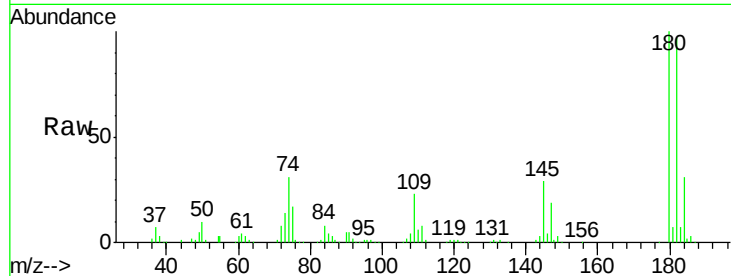
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V



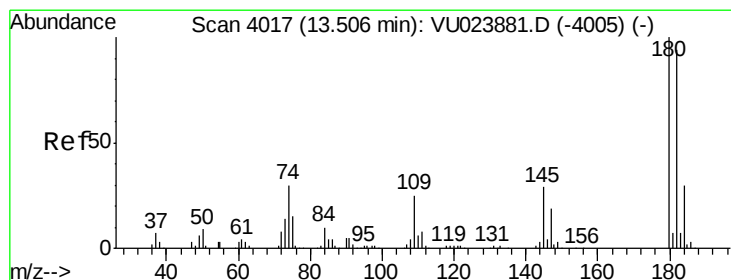
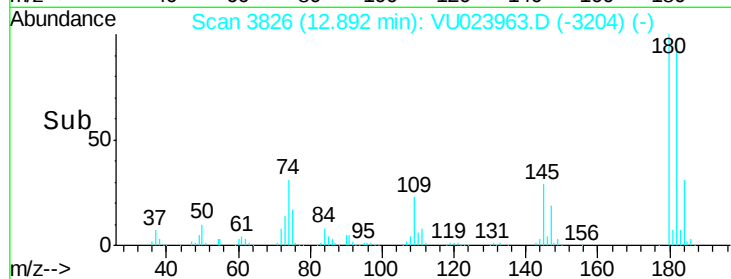
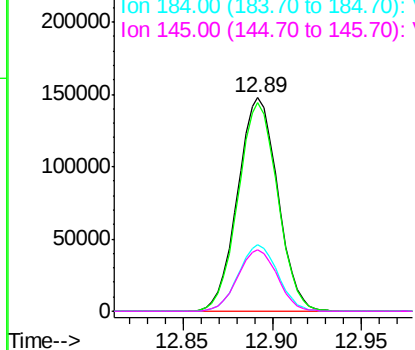


#67
 1,3,5-Trichlorobenzene
 Concen: 50.80 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU023963.D
 Acq: 21 May 2018 10:42

Tgt Ion:180	Resp:	230887
Ion Ratio	Lower	Upper
180	100	
182	96.1	77.4 116.2
184	30.7	24.2 36.4
145	28.6	22.5 33.7

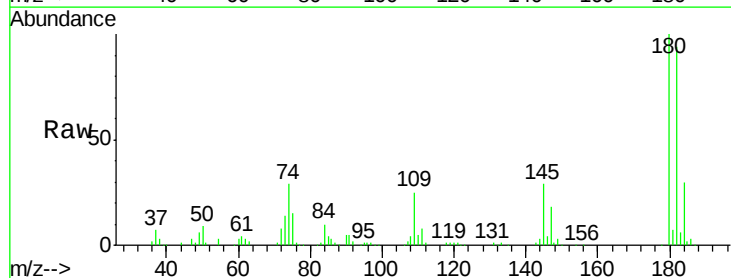


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

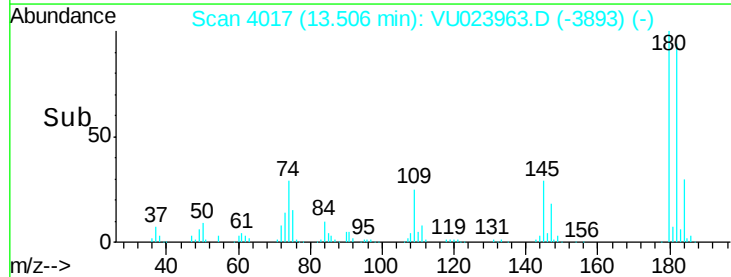
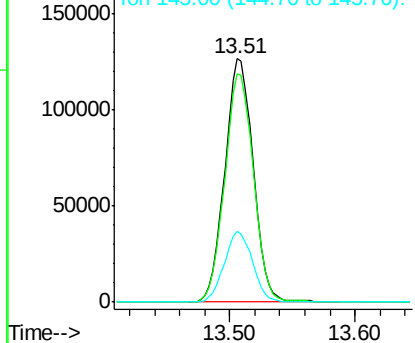


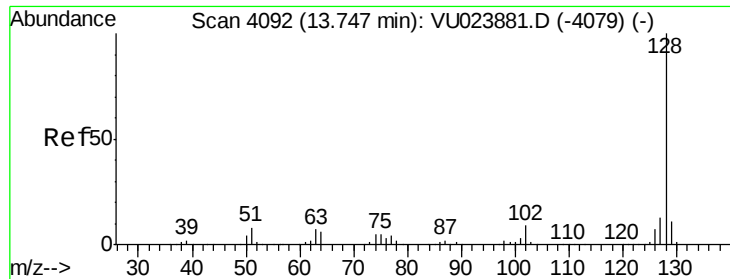
#68
 1,2,4-trichlorobenzene
 Concen: 53.40 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU023963.D
 Acq: 21 May 2018 10:42

Tgt Ion:180	Resp:	198803
Ion Ratio	Lower	Upper
180	100	
182	94.7	76.1 114.1
145	29.0	23.0 34.4



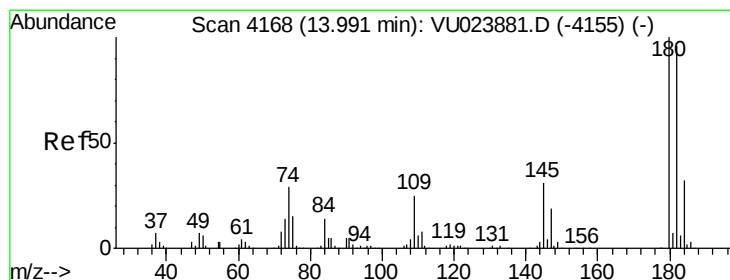
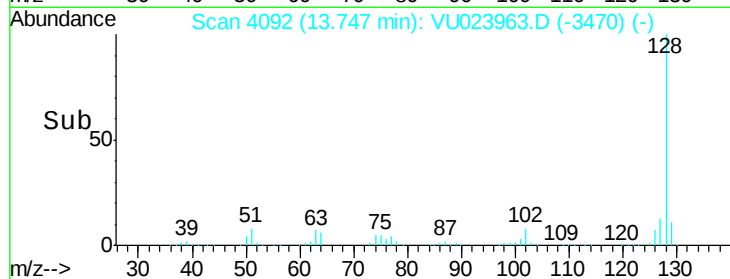
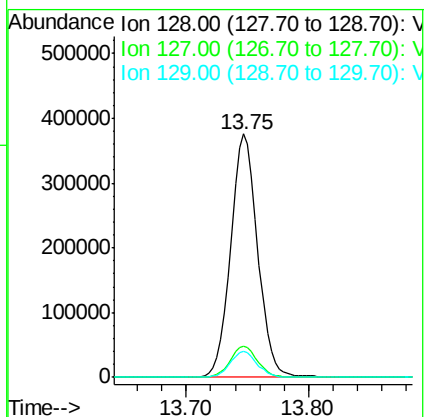
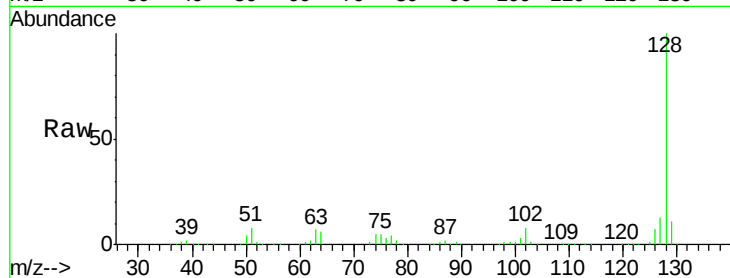
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 54.69 ug/L
RT: 13.75 min Scan# 4092
Delta R.T. -0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

Tgt Ion:128 Resp: 579578
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.7 8.6 12.8



#70
1,2,3-Trichlorobenzene
Concen: 52.58 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. -0.00 min
Lab File: VU023963.D
Acq: 21 May 2018 10:42

Tgt Ion:180 Resp: 209435
Ion Ratio Lower Upper
180 100
182 94.2 75.6 113.4
145 30.3 23.9 35.9

