

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052718\
 Data File : VU024213.D
 Acq On : 28 May 2018 01:57
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 28 05:17:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM052518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 28 05:15:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	332672	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	316136	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	145679	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	131381	51.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.90%
7) Chloroethane-d5	1.67	69	104584	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.16%
11) 1,1-Dichloroethene-d2	2.27	63	238066	50.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.20%
21) 2-Butanone-d5	4.18	46	189734	94.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.37%
24) Chloroform-d	4.65	84	229070	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.08%
26) 1,2-Dichloroethane-d4	5.31	65	146595	51.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.12%
32) Benzene-d6	5.35	84	464183	53.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.10%
36) 1,2-Dichloropropane-d6	6.34	67	151636	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.14%
41) Toluene-d8	7.57	98	428247	52.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.62%
43) trans-1,3-Dichloropropene-	7.85	79	59530	49.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.86%
47) 2-Hexanone-d5	8.31	63	134355	93.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.91%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	214458	49.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	163169	51.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.18%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	158180	47.74	ug/L	99
3) Chloromethane	1.33	50	171926	46.68	ug/L	99
5) Vinyl chloride	1.40	62	168208	48.15	ug/L	99
6) Bromomethane	1.61	94	84025	46.61	ug/L	98
8) Chloroethane	1.69	64	101759	49.19	ug/L	100
9) Trichlorofluoromethane	1.88	101	198552	49.21	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	117310	47.94	ug/L	99
12) 1,1-Dichloroethene	2.28	96	111015	48.59	ug/L	93
13) Acetone	2.32	43	137879	78.68	ug/L	99
14) Carbon disulfide	2.48	76	347802	46.94	ug/L	100
15) Methyl Acetate	2.62	43	154151	48.26	ug/L	100
16) Methylene chloride	2.70	84	137014	48.20	ug/L	100
17) trans-1,2-Dichloroethene	2.99	96	114966	47.98	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	368708	51.02	ug/L	100
19) 1,1-Dichloroethane	3.45	63	238880	49.48	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	132840	49.58	ug/L	100
22) 2-Butanone	4.26	43	212378	92.42	ug/L	99

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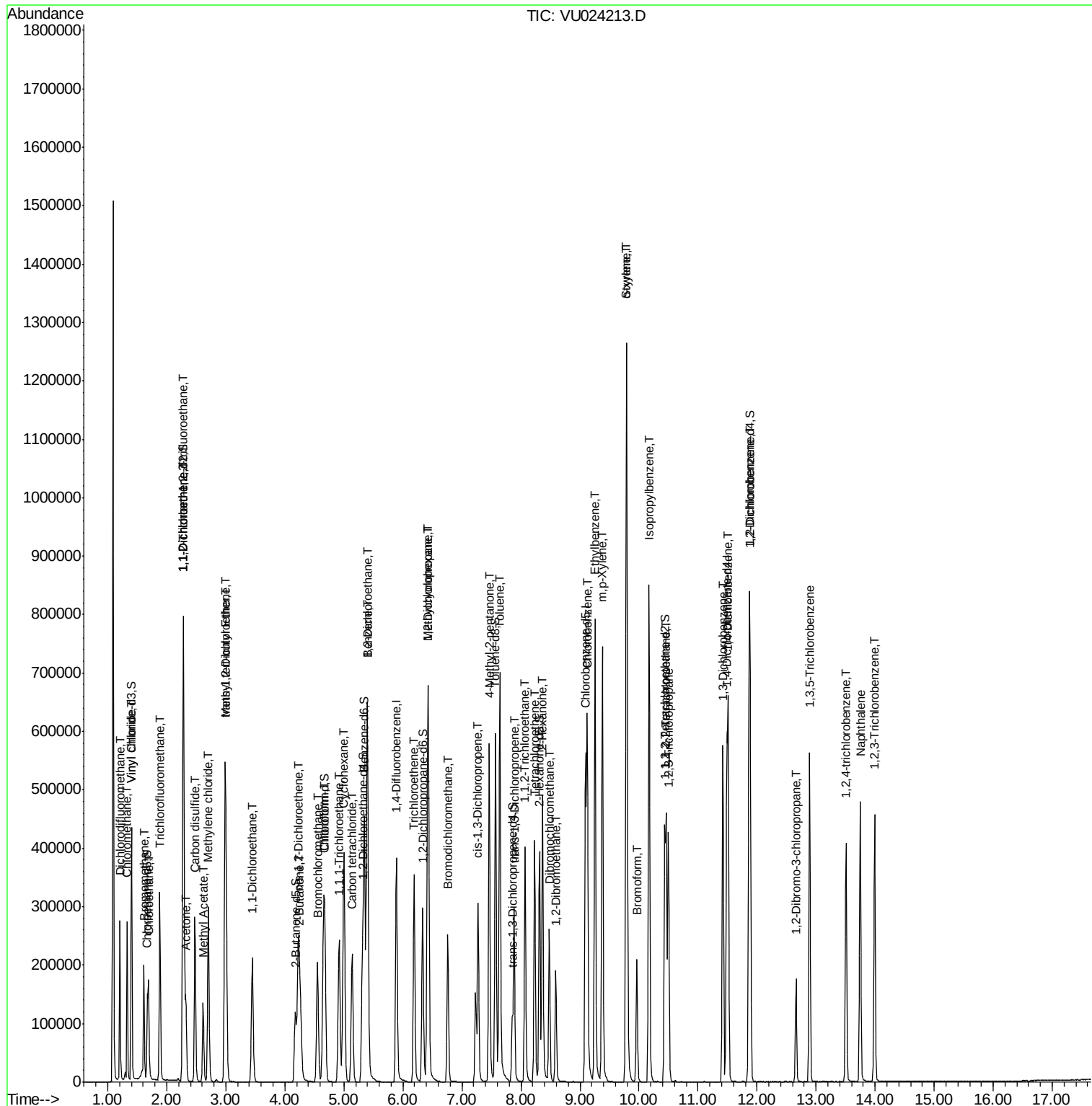
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

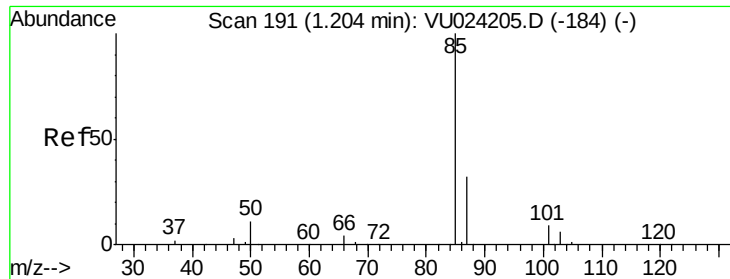
23) Bromochloromethane	4.55	128	69597	50.00	ug/L	97
25) Chloroform	4.68	83	231079	48.80	ug/L	97
27) 1,2-Dichloroethane	5.41	62	183254	48.74	ug/L	100
29) Cyclohexane	5.00	56	210235	50.65	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	187065	49.81	ug/L	99
31) Carbon tetrachloride	5.14	117	162077	49.28	ug/L	100
33) Benzene	5.39	78	529656	50.33	ug/L	100
34) Trichloroethene	6.19	95	126267	42.71	ug/L	99
35) Methylcyclohexane	6.42	83	198071	48.42	ug/L	98
37) 1,2-Dichloropropane	6.44	63	146442	49.62	ug/L	100
38) Bromodichloromethane	6.76	83	166871	48.11	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	185580	47.63	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	390969	97.70	ug/L	100
42) Toluene	7.64	91	549088	51.39	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	165734	47.76	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	129280	49.27	ug/L	98
46) Tetrachloroethene	8.23	164	98953	47.85	ug/L	100
48) 2-Hexanone	8.36	43	303100	96.01	ug/L	99
49) Dibromochloromethane	8.48	129	136252	49.36	ug/L	99
50) 1,2-Dibromoethane	8.59	107	131602	49.84	ug/L	100
51) Chlorobenzene	9.12	112	342277	49.36	ug/L	99
52) Ethylbenzene	9.25	91	572432	50.69	ug/L	99
53) m,p-Xylene	9.38	106	225014	52.59	ug/L	99
54) o-xylene	9.78	106	219322	51.18	ug/L	100
55) Styrene	9.80	104	372506	52.60	ug/L	97
56) Isopropylbenzene	10.17	105	555958	51.26	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	224556	48.65	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	182888	49.51	ug/L	100
61) Bromoform	9.96	173	97299	47.25	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	240379	49.28	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	248406	49.77	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	274235	50.89	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	44112	46.03	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	178028	49.45	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	127198	48.94	ug/L	100
69) Naphthalene	13.75	128	376094	49.13	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	146531	50.10	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 47.74 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU024213.D

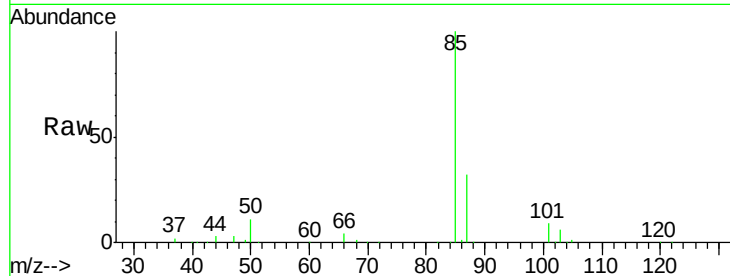
Acq: 28 May 2018 01:57

Tgt Ion: 85 Resp: 158180

Ion Ratio Lower Upper

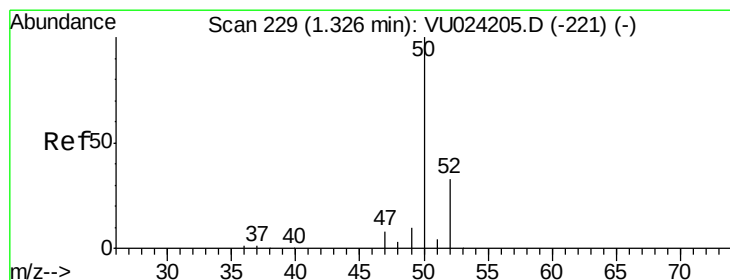
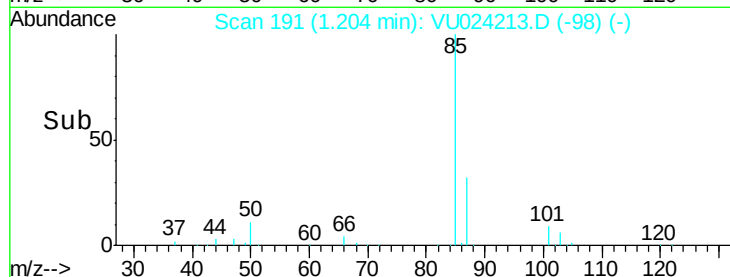
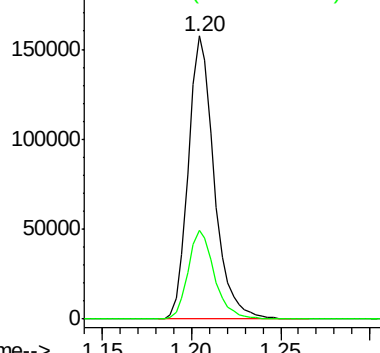
85 100

87 31.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 46.68 ug/L

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU024213.D

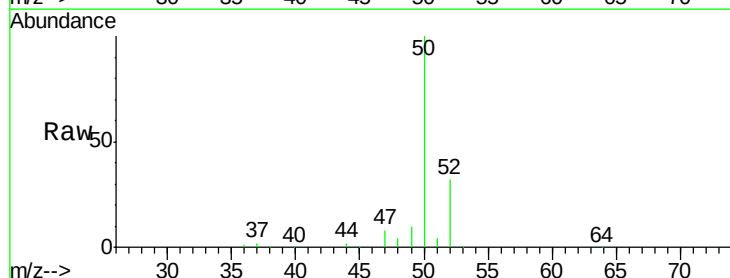
Acq: 28 May 2018 01:57

Tgt Ion: 50 Resp: 171926

Ion Ratio Lower Upper

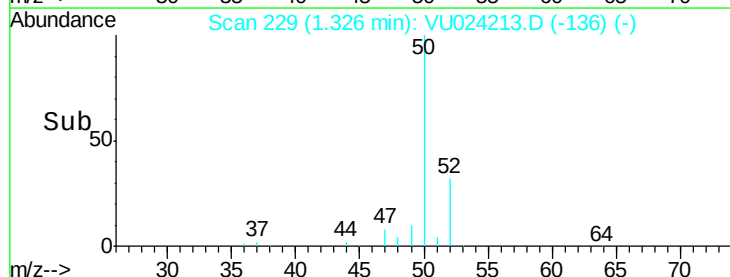
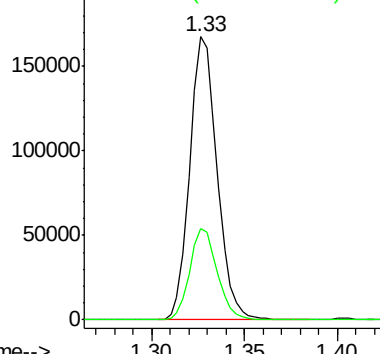
50 100

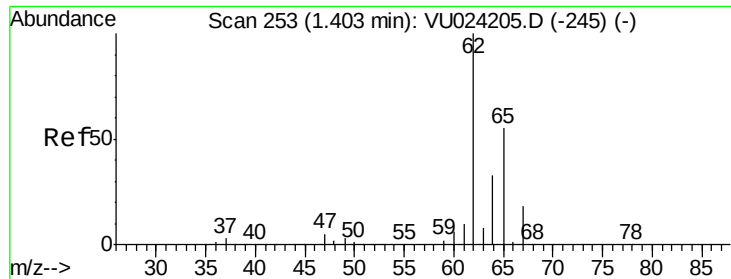
52 32.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 48.15 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024213.D

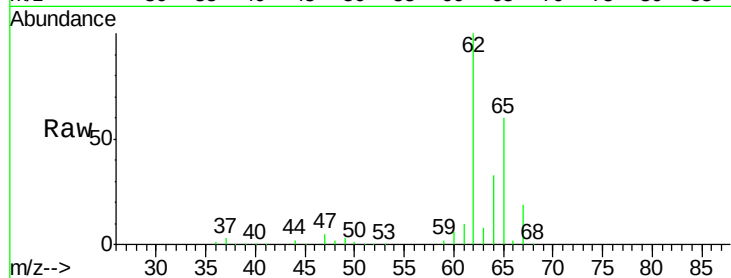
Acq: 28 May 2018 01:57

Tgt Ion: 62 Resp: 168208

Ion Ratio Lower Upper

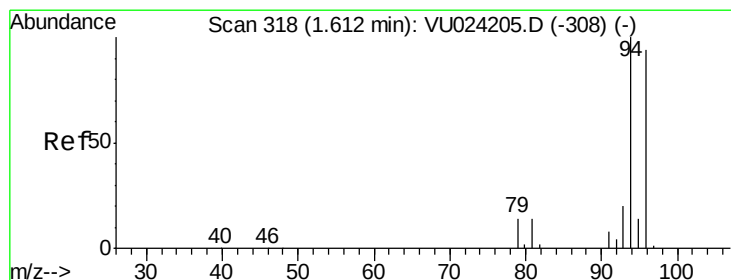
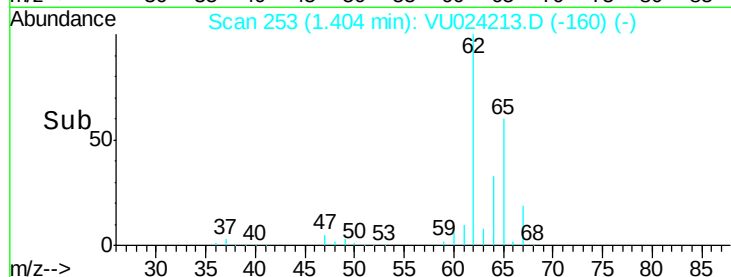
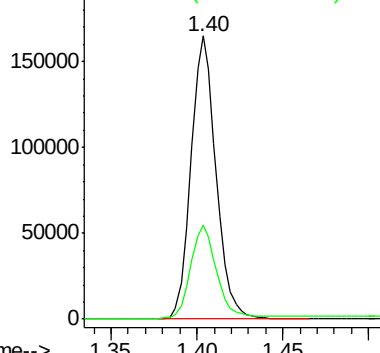
62 100

64 33.0 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 46.61 ug/L

RT: 1.61 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU024213.D

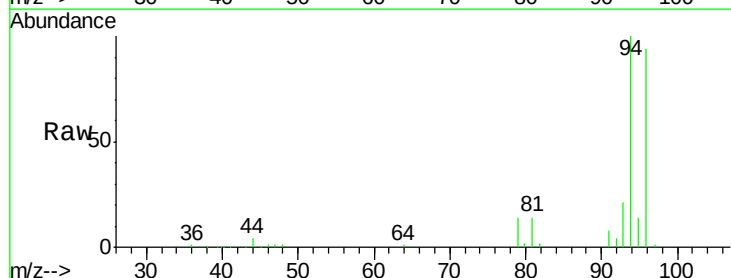
Acq: 28 May 2018 01:57

Tgt Ion: 94 Resp: 84025

Ion Ratio Lower Upper

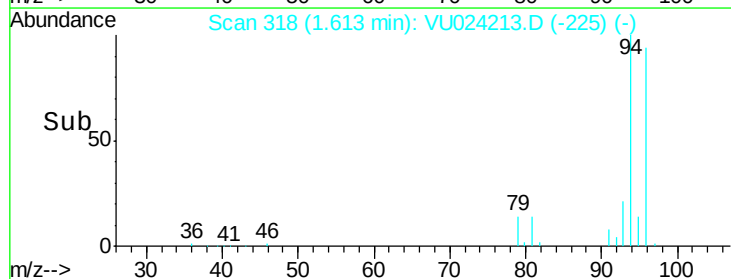
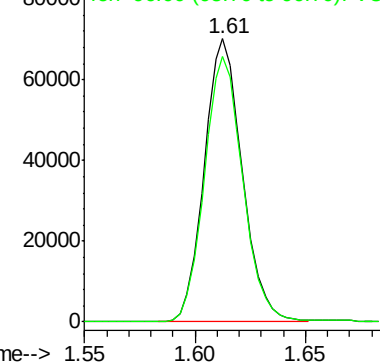
94 100

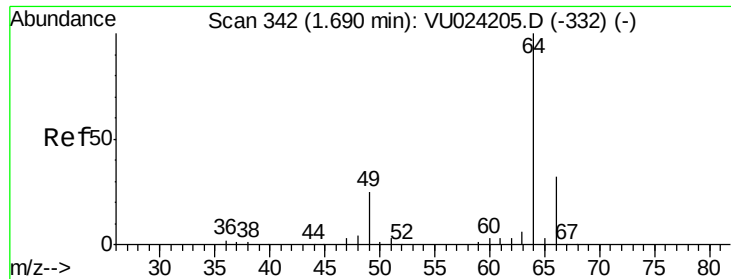
96 93.8 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 49.19 ug/L

RT: 1.69 min Scan# 342

Delta R.T. 0.00 min

Lab File: VU024213.D

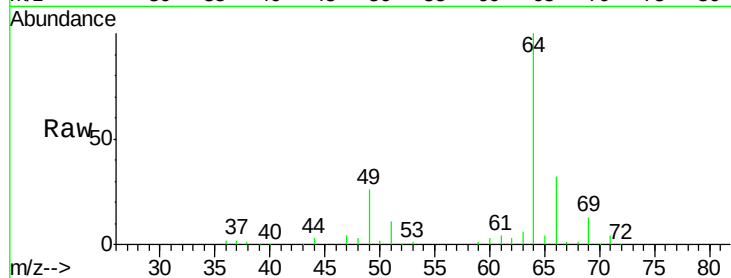
Acq: 28 May 2018 01:57

Tgt Ion: 64 Resp: 101759

Ion Ratio Lower Upper

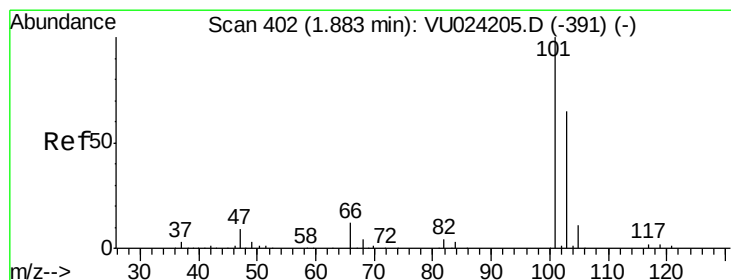
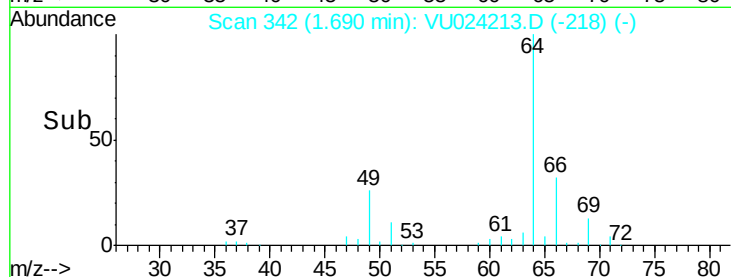
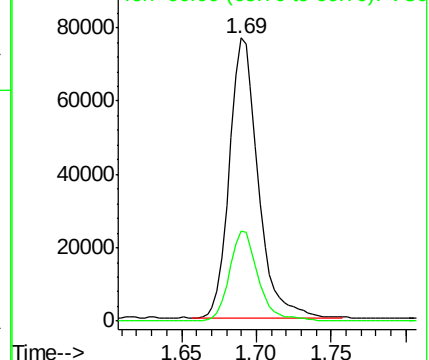
64 100

66 31.6 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 49.21 ug/L

RT: 1.88 min Scan# 402

Delta R.T. 0.00 min

Lab File: VU024213.D

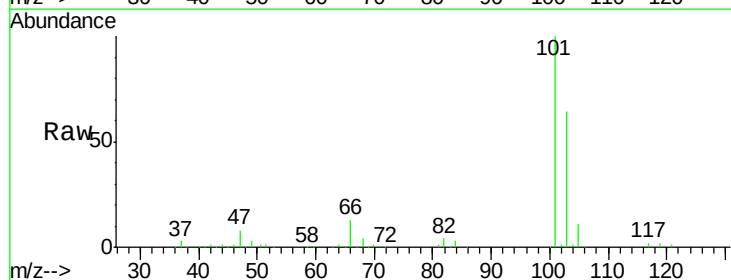
Acq: 28 May 2018 01:57

Tgt Ion: 101 Resp: 198552

Ion Ratio Lower Upper

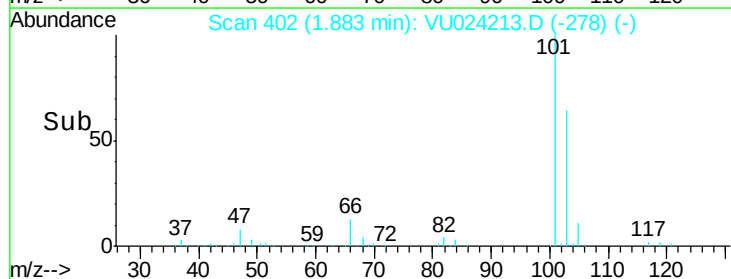
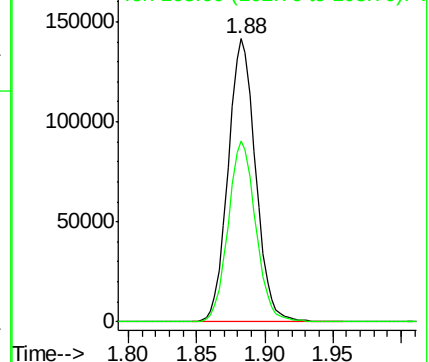
101 100

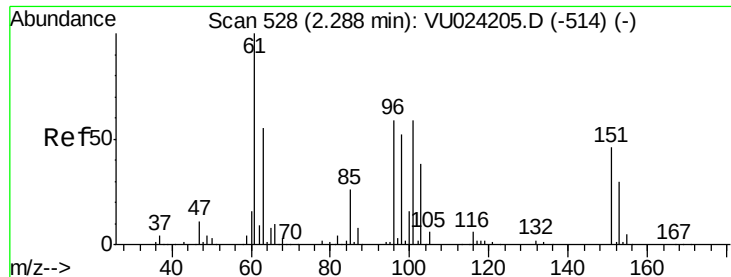
103 64.0 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 47.94 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

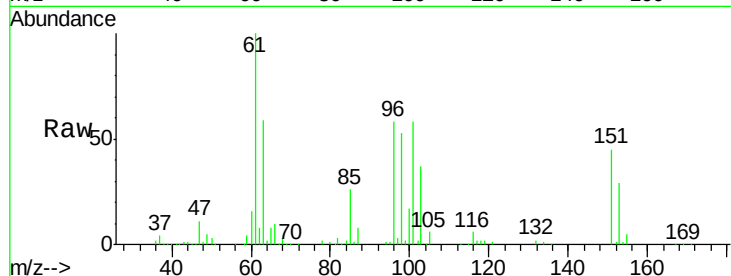
Tgt Ion: 101 Resp: 117310

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.6

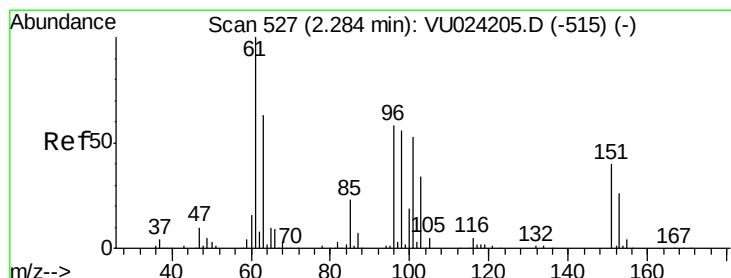
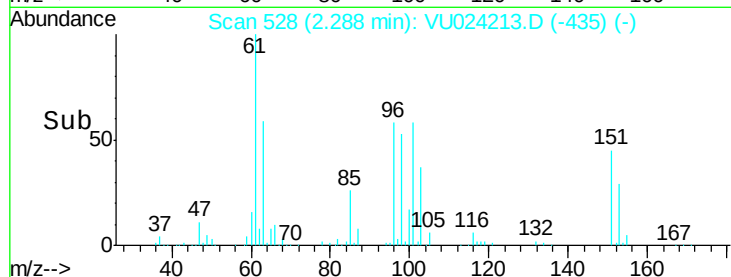
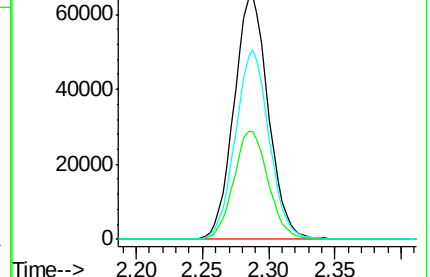
151 76.4 61.9 92.9



Abundance Ion 101.00 (100.70 to 101.70): VU024213.D (-435) (-)

Ion 85.00 (84.70 to 85.70): VU024213.D (-435) (-)

Ion 151.00 (150.70 to 151.70): VU024213.D (-435) (-)



#12

1,1-Dichloroethene

Concen: 48.59 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

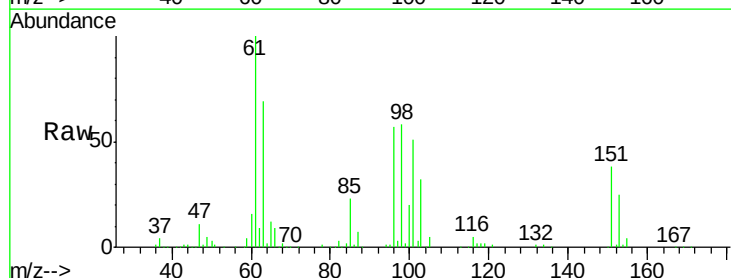
Tgt Ion: 96 Resp: 111015

Ion Ratio Lower Upper

96 100

61 175.2 124.2 230.6

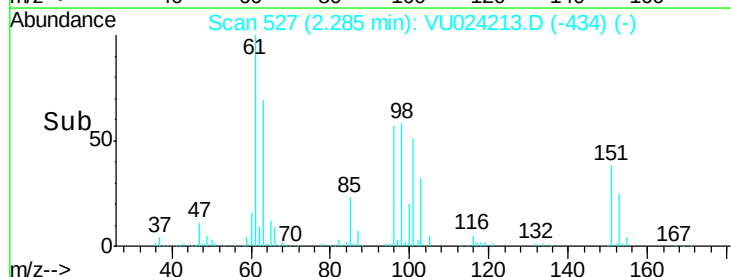
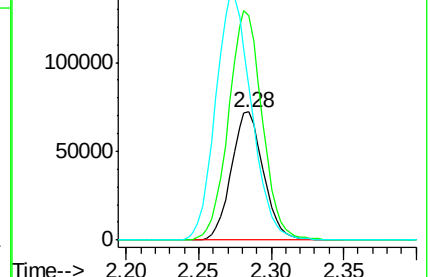
63 120.1 96.4 179.0

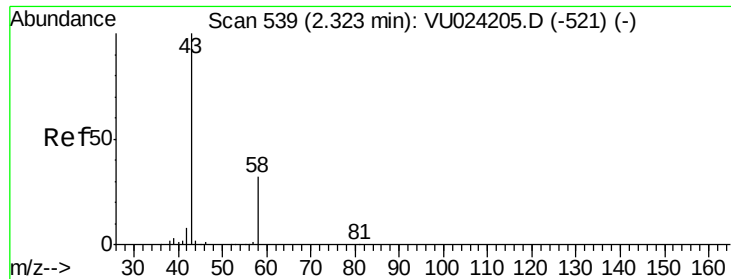


Abundance Ion 96.00 (95.70 to 96.70): VU024213.D (-434) (-)

Ion 61.00 (60.70 to 61.70): VU024213.D (-434) (-)

Ion 63.00 (62.70 to 63.70): VU024213.D (-434) (-)





#13

Acetone

Concen: 78.68 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024213.D

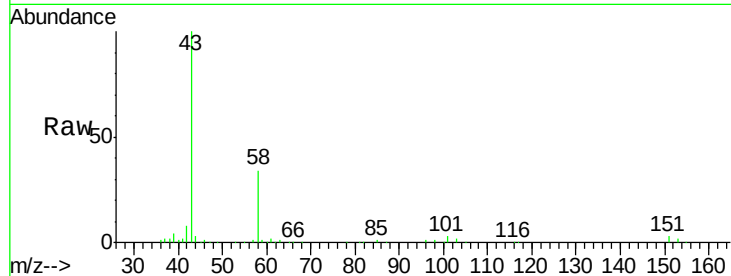
Acq: 28 May 2018 01:57

Tgt Ion: 43 Resp: 137879

Ion Ratio Lower Upper

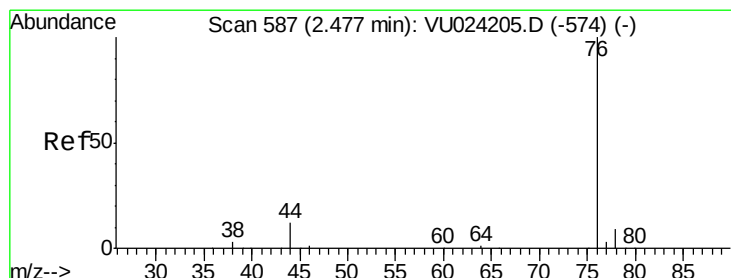
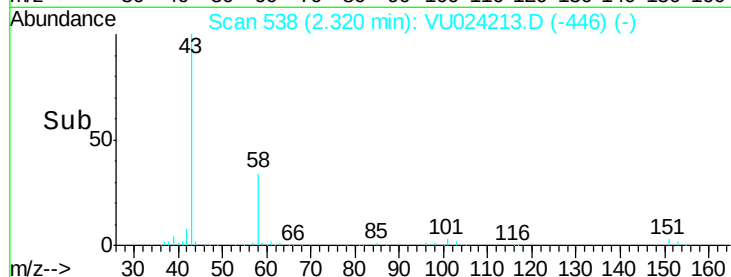
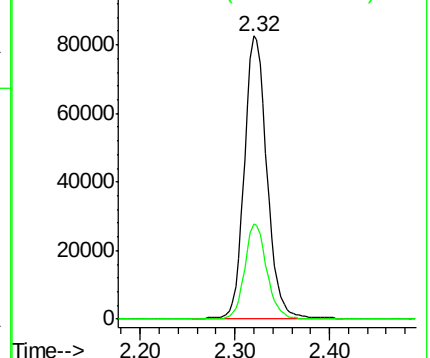
43 100

58 32.6 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 46.94 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU024213.D

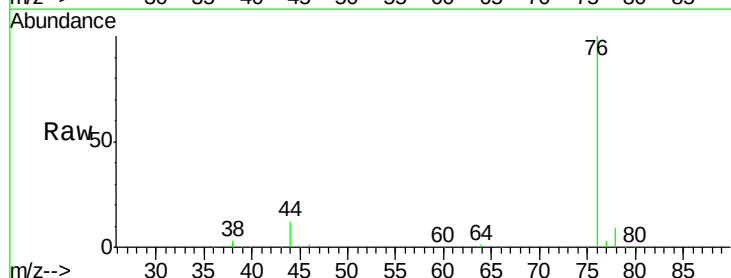
Acq: 28 May 2018 01:57

Tgt Ion: 76 Resp: 347802

Ion Ratio Lower Upper

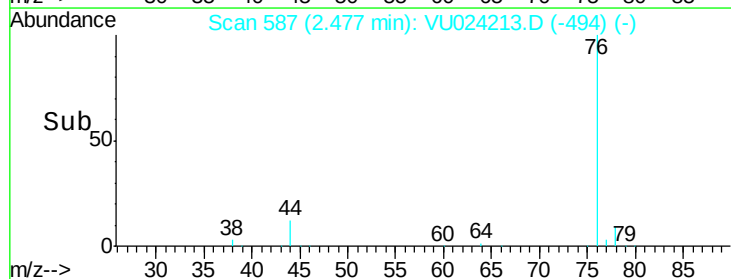
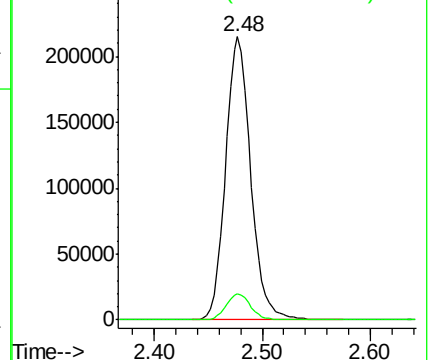
76 100

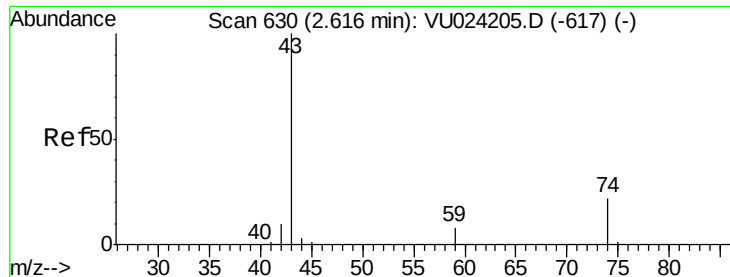
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 48.26 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024213.D

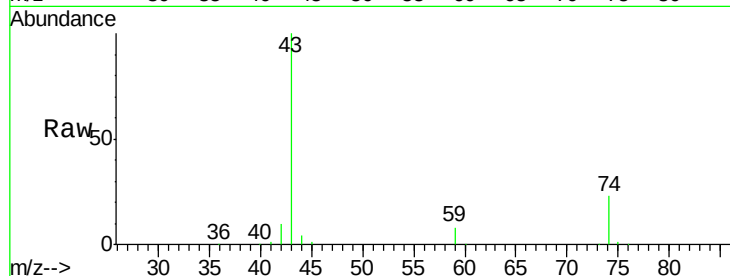
Acq: 28 May 2018 01:57

Tgt Ion: 43 Resp: 154151

Ion Ratio Lower Upper

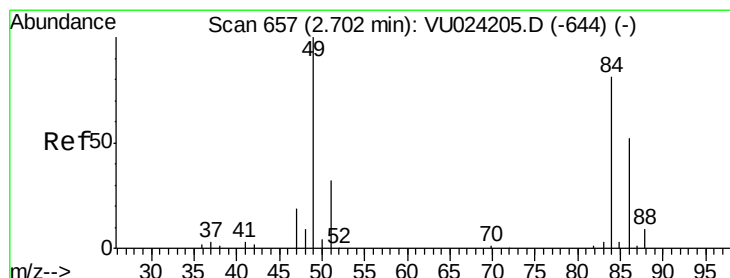
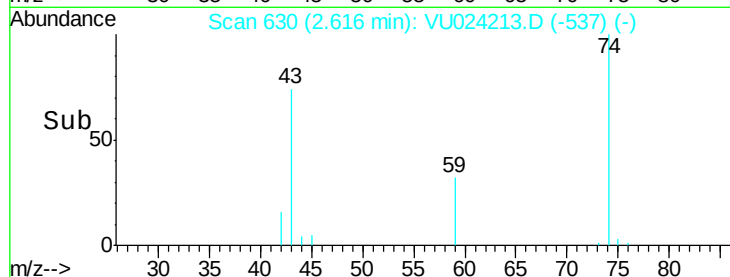
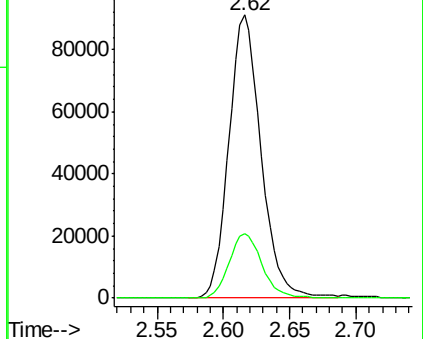
43 100

74 23.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 48.20 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

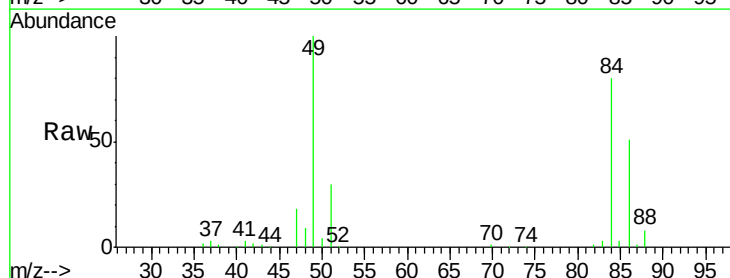
Tgt Ion: 84 Resp: 137014

Ion Ratio Lower Upper

84 100

86 64.0 45.4 84.2

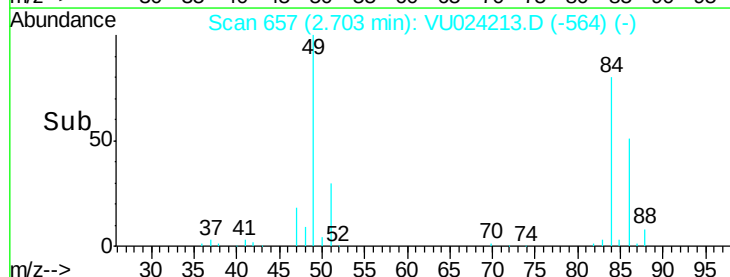
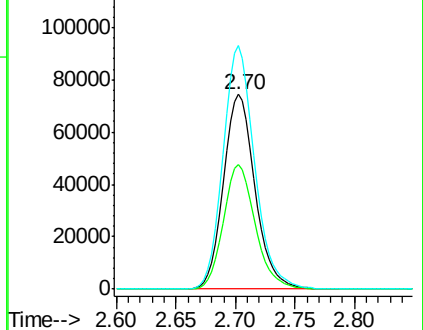
49 125.0 87.4 162.2

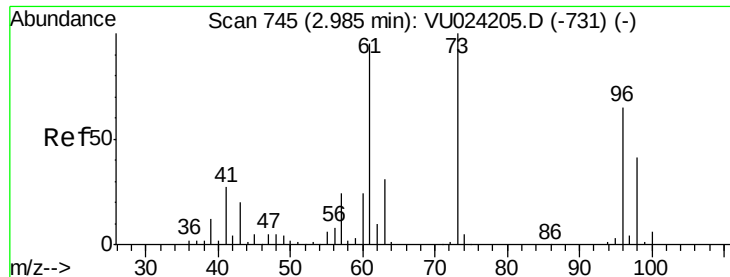


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

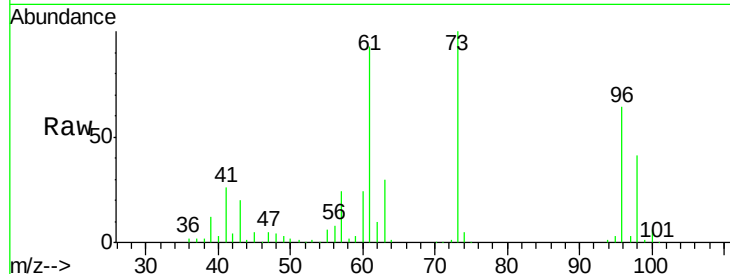
Ion 49.00 (48.70 to 49.70): VU0



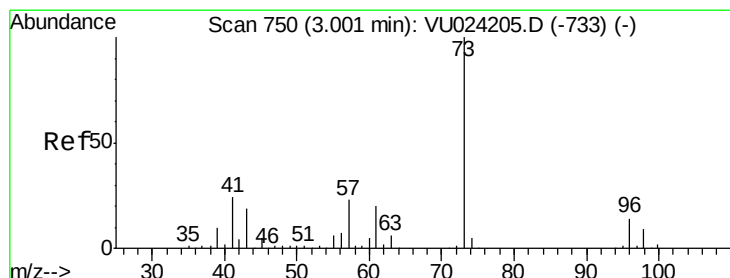
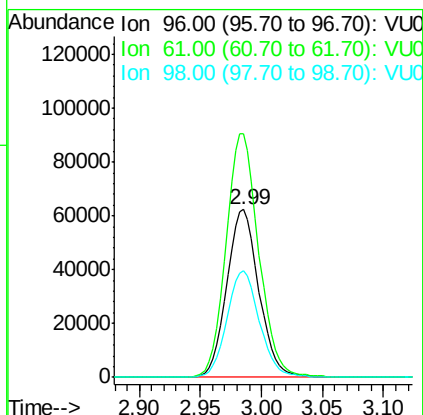
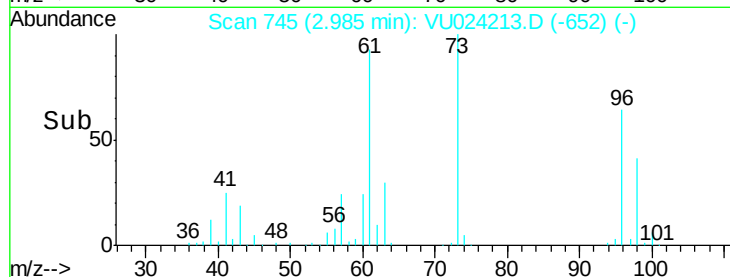


#17
trans-1,2-Dichloroethene
Concen: 47.98 ug/L
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU024213.D
Acq: 28 May 2018 01:57

Tgt Ion: 96 Resp: 114966
Ion Ratio Lower Upper
96 100
61 145.1 102.8 191.0
98 63.5 44.3 82.3

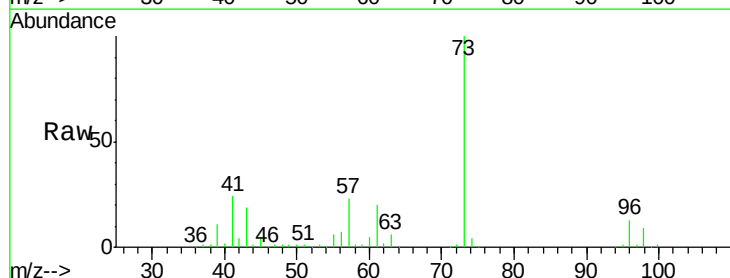


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

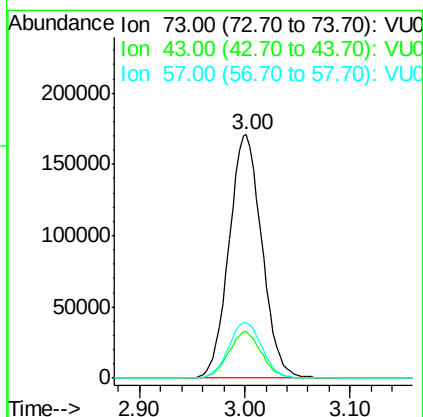
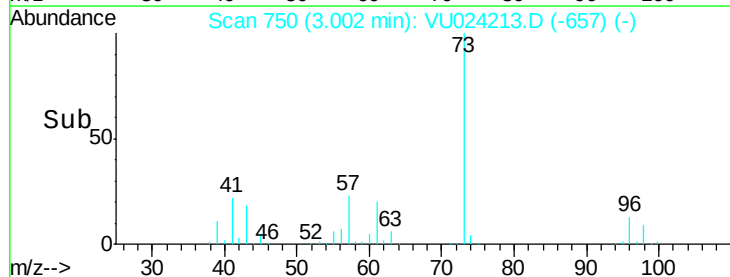


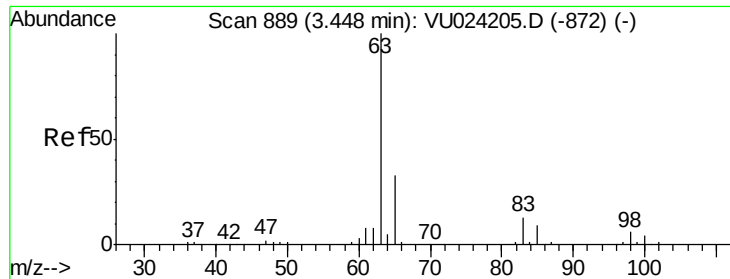
#18
Methyl tert-butyl Ether
Concen: 51.02 ug/L
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU024213.D
Acq: 28 May 2018 01:57

Tgt Ion: 73 Resp: 368708
Ion Ratio Lower Upper
73 100
43 19.1 15.4 23.0
57 23.3 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 49.48 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

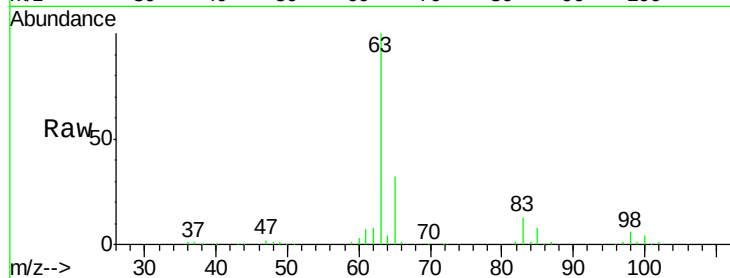
Tgt Ion: 63 Resp: 238880

Ion Ratio Lower Upper

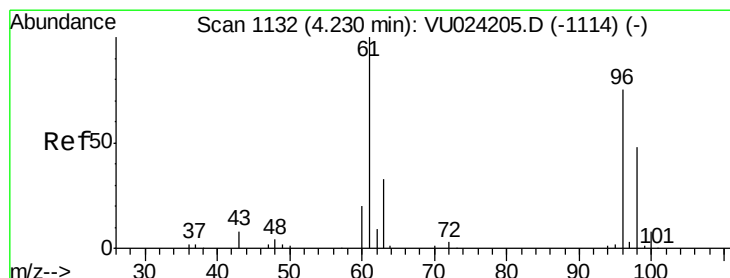
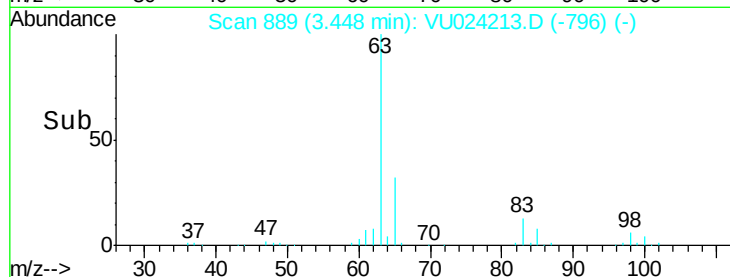
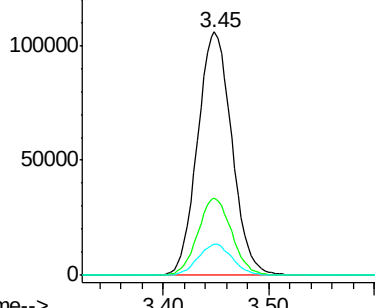
63 100

65 31.7 22.3 41.3

83 12.9 9.3 17.3



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



#20

cis-1,2-Dichloroethene

Concen: 49.58 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

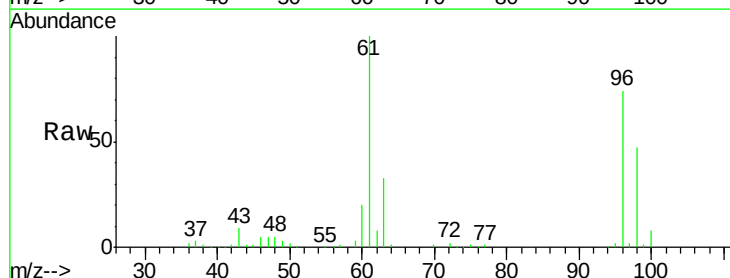
Tgt Ion: 96 Resp: 132840

Ion Ratio Lower Upper

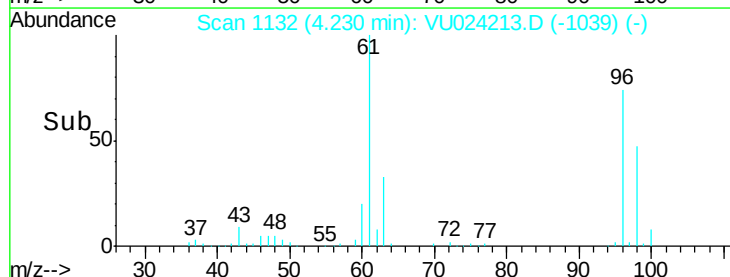
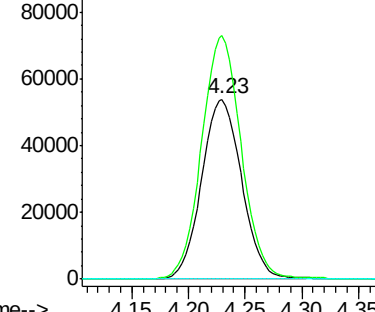
96 100

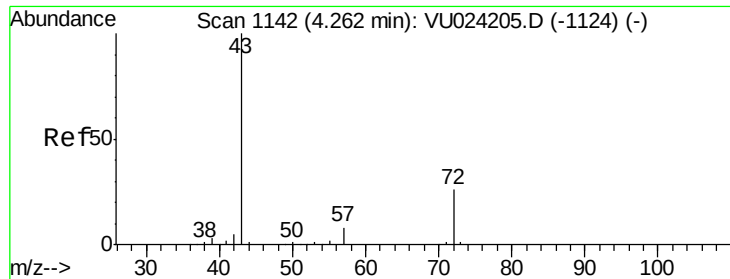
61 135.5 94.8 176.0

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 92.42 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU024213.D

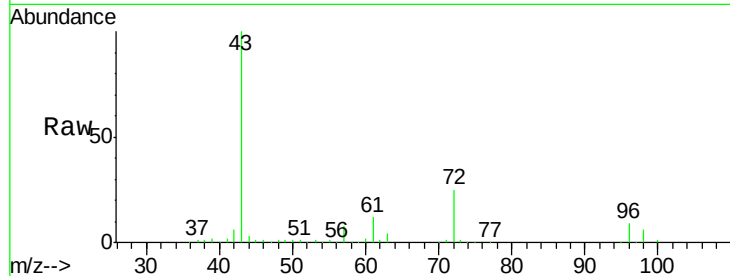
Acq: 28 May 2018 01:57

Tgt Ion: 43 Resp: 212378

Ion Ratio Lower Upper

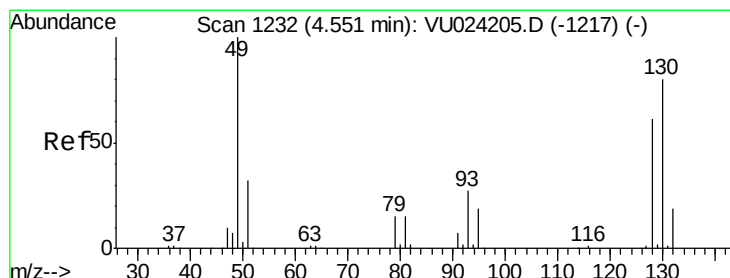
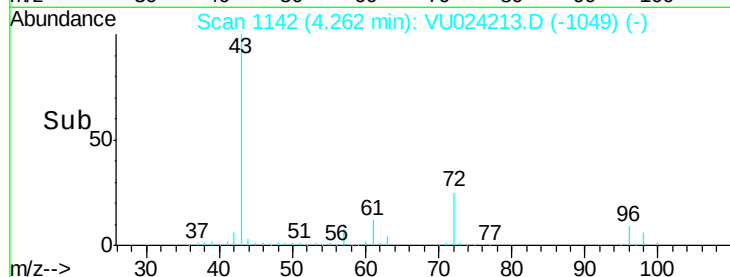
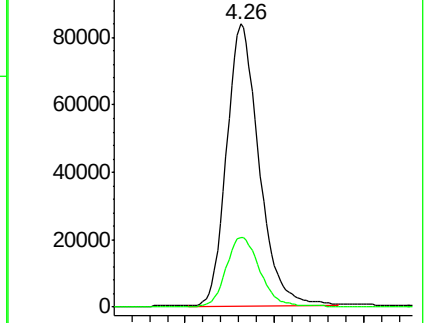
43 100

72 26.1 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 50.00 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

Tgt Ion: 128 Resp: 69597

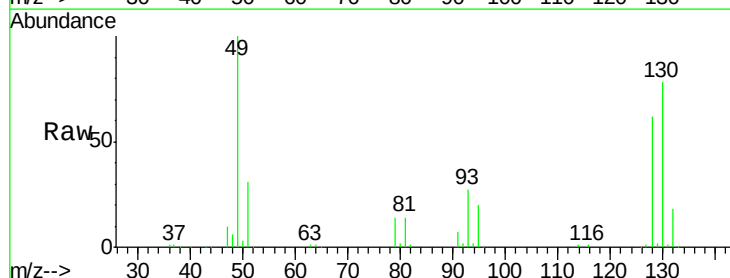
Ion Ratio Lower Upper

128 100

49 161.7 118.2 219.6

130 126.2 88.4 164.2

51 50.7 43.4 65.2

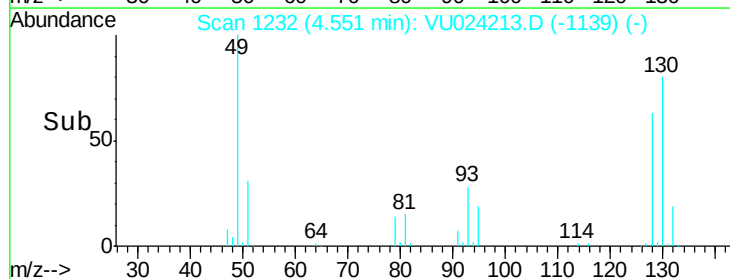
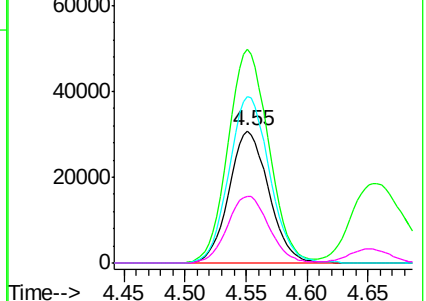


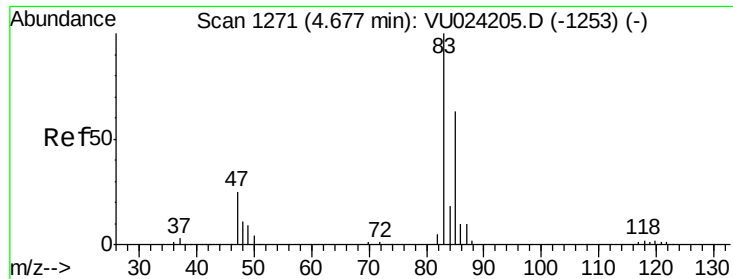
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

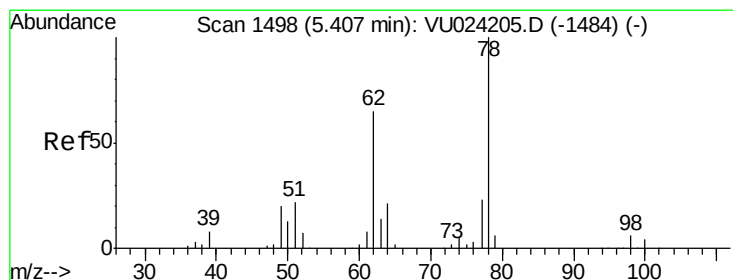
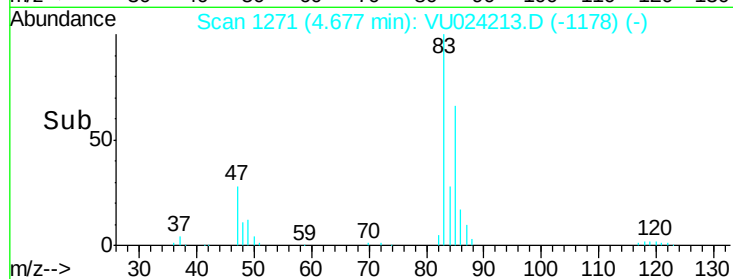
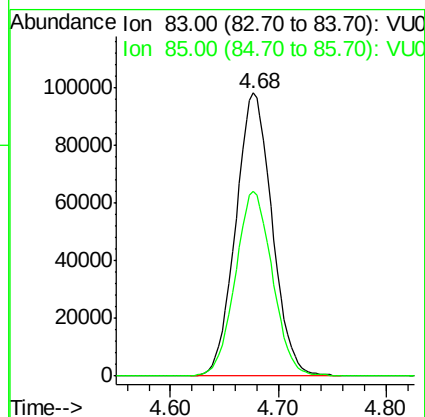
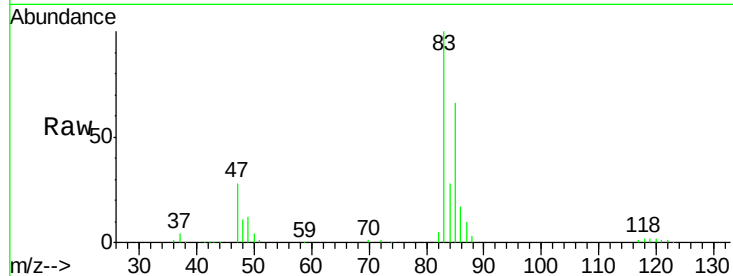
Ion 51.00 (50.70 to 51.70): VU0





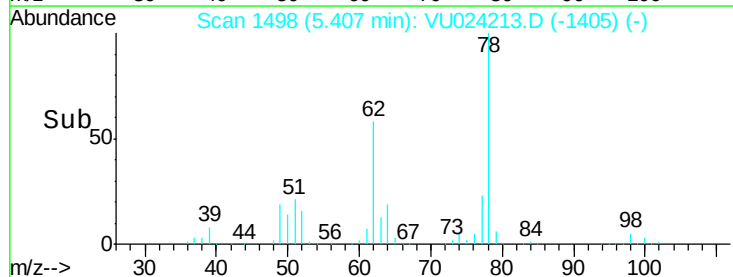
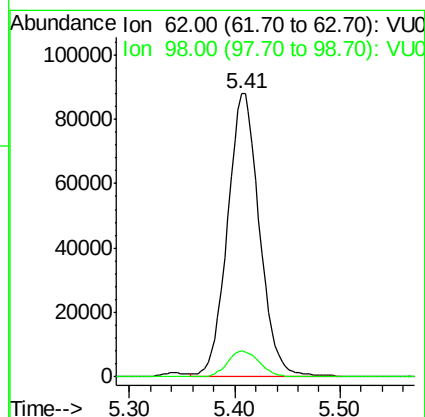
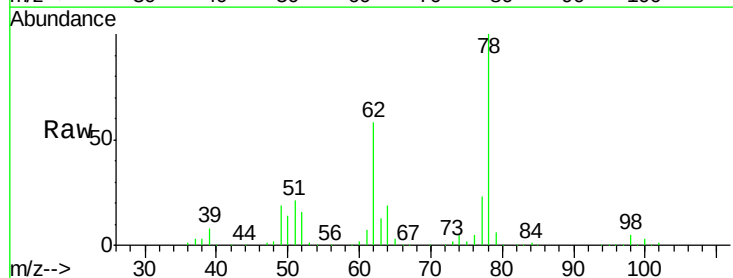
#25
Chloroform
Concen: 48.80 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU024213.D
Acq: 28 May 2018 01:57

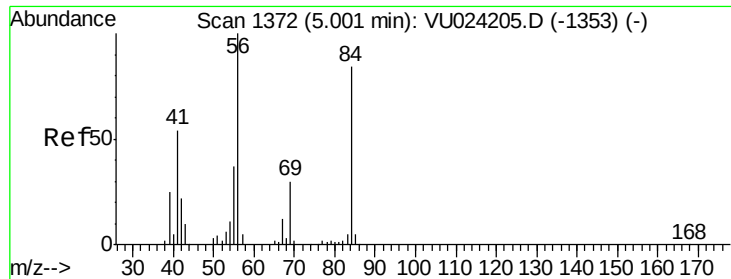
Tgt Ion: 83 Resp: 231079
Ion Ratio Lower Upper
83 100
85 65.5 44.4 82.4



#27
1,2-Dichloroethane
Concen: 48.74 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU024213.D
Acq: 28 May 2018 01:57

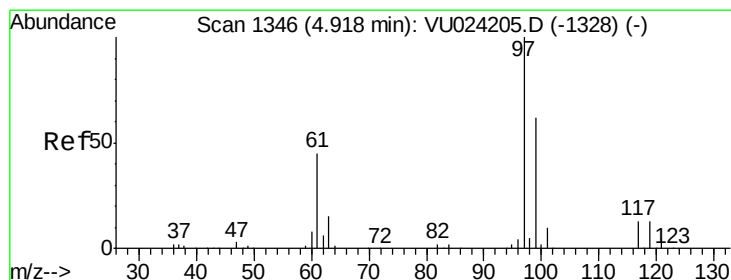
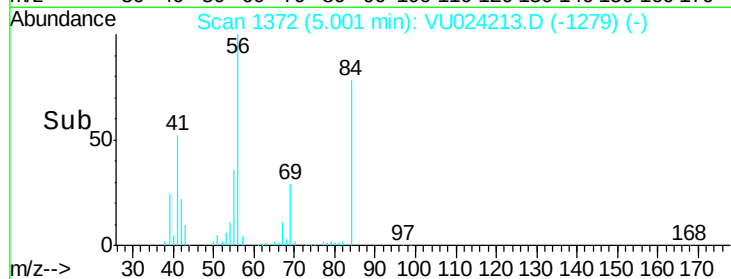
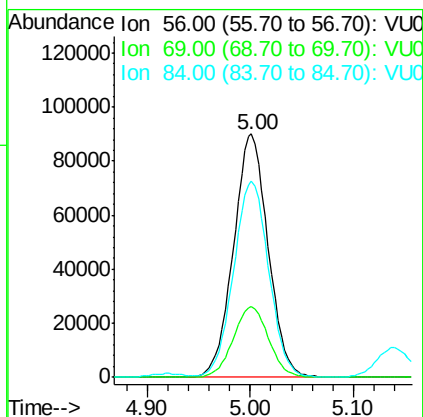
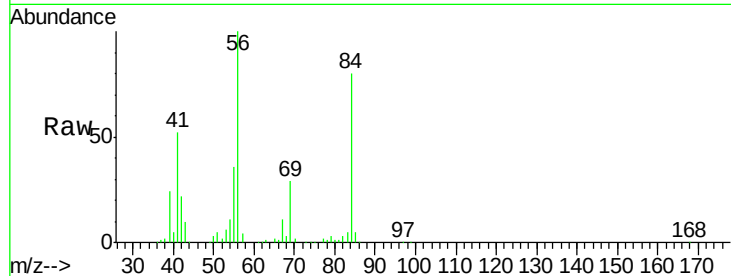
Tgt Ion: 62 Resp: 183254
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.0





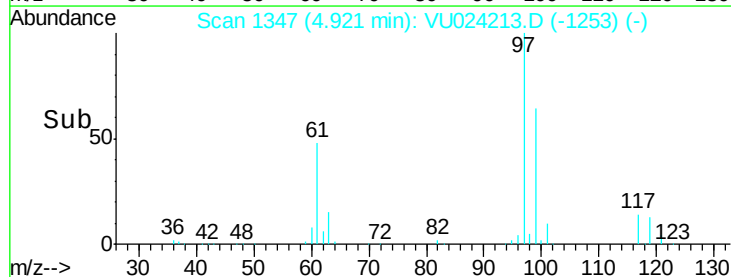
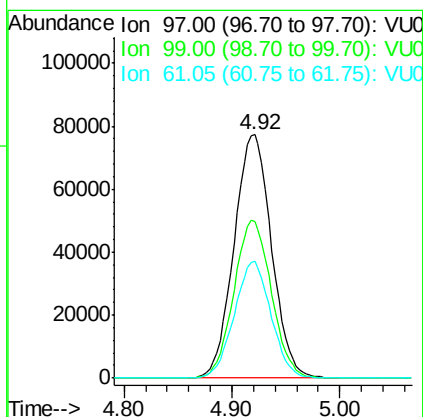
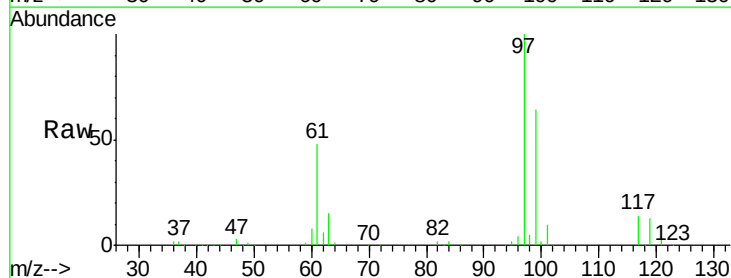
#29
Cyclohexane
Concen: 50.65 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024213.D
Acq: 28 May 2018 01:57

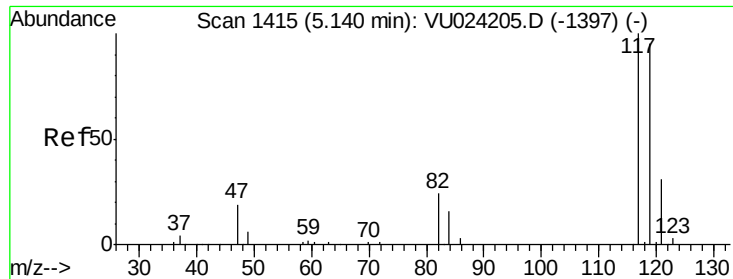
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.9	35.9
84	82.2	66.0	99.0



#30
1,1,1-Trichloroethane
Concen: 49.81 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024213.D
Acq: 28 May 2018 01:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.8
61	47.0	39.0	58.6





#31

Carbon tetrachloride

Concen: 49.28 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU024213.D

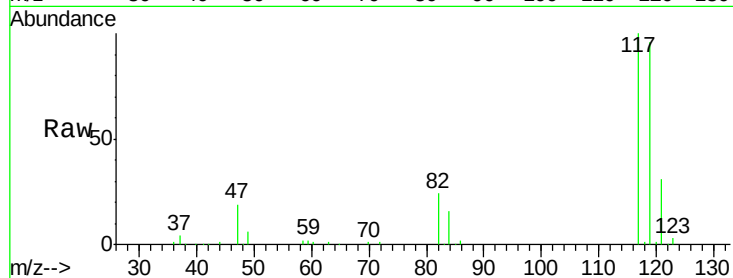
Acq: 28 May 2018 01:57

Tgt Ion: 117 Resp: 162077

Ion Ratio Lower Upper

117 100

119 95.5 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.14

80000

60000

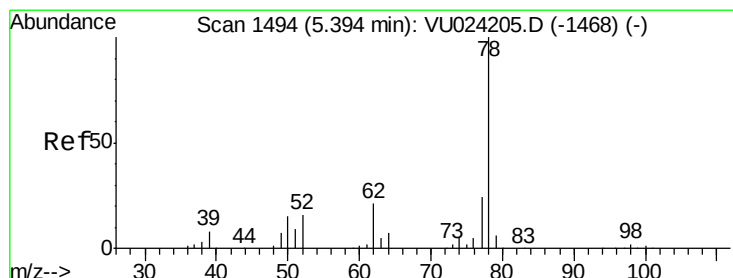
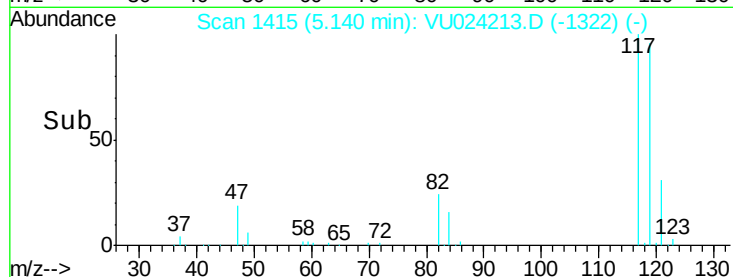
40000

20000

0

Time-->

5.05 5.10 5.15 5.20 5.25



#33

Benzene

Concen: 50.33 ug/L

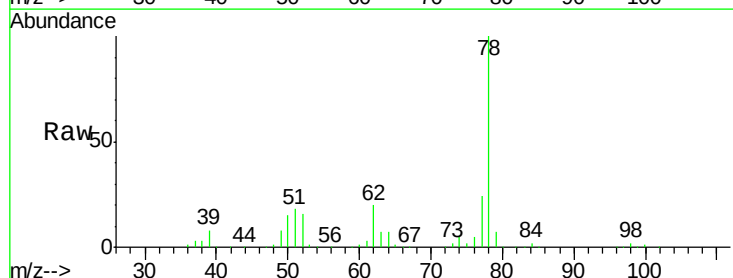
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

Tgt Ion: 78 Resp: 529656



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.39

250000

200000

150000

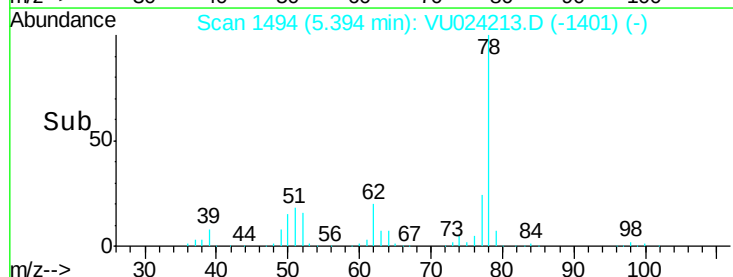
100000

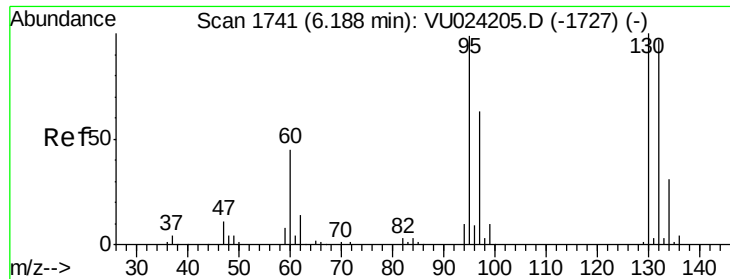
50000

0

Time-->

5.20 5.30 5.40 5.50 5.60





#34

Trichloroethene

Concen: 42.71 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

Tgt Ion: 95 Resp: 126267

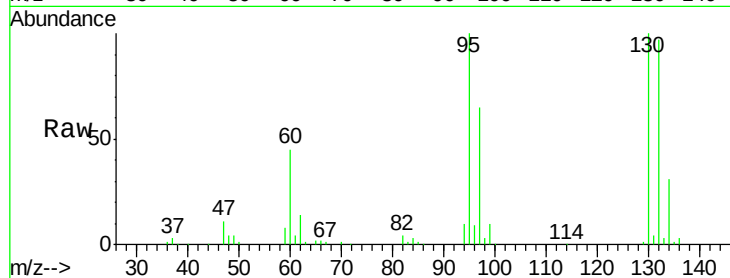
Ion Ratio Lower Upper

95 100

97 64.9 44.5 82.7

132 97.0 69.0 128.2

130 100.4 70.6 131.0



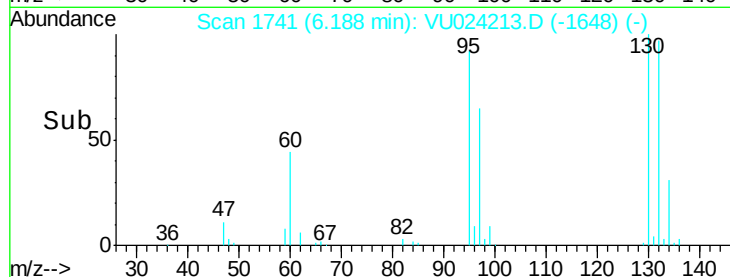
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

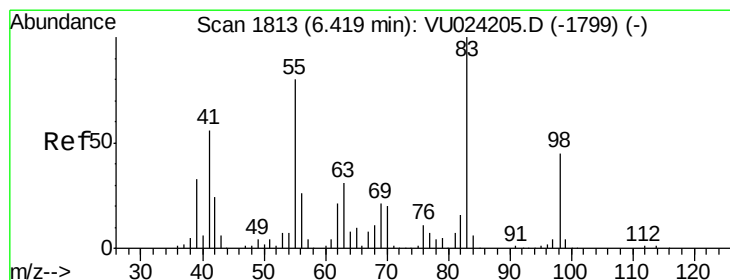
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

6.19



Time-->



#35

Methylcyclohexane

Concen: 48.42 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

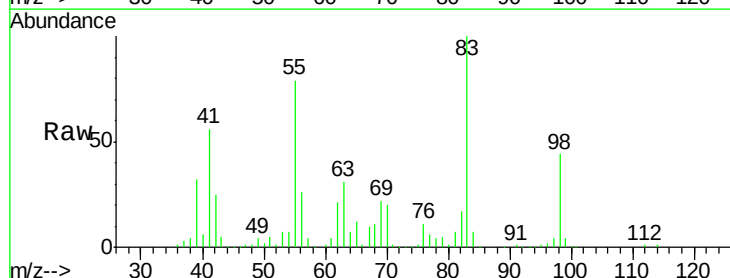
Tgt Ion: 83 Resp: 198071

Ion Ratio Lower Upper

83 100

55 81.8 64.1 96.1

98 45.4 35.8 53.8

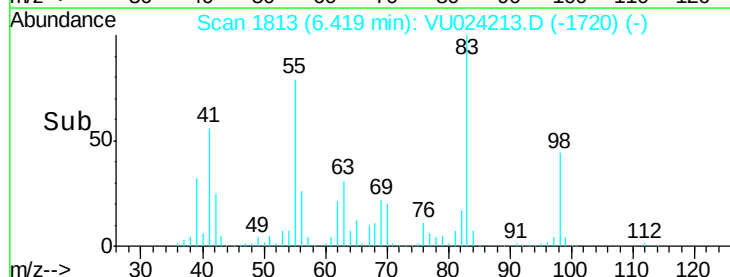


Abundance Ion 83.00 (82.70 to 83.70): VU0

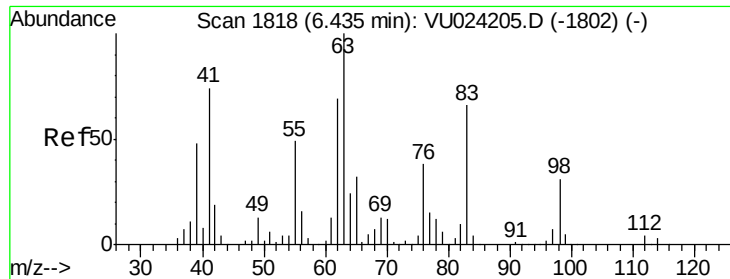
Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

6.42



Time-->



#37

1,2-Dichloropropane

Concen: 49.62 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU024213.D

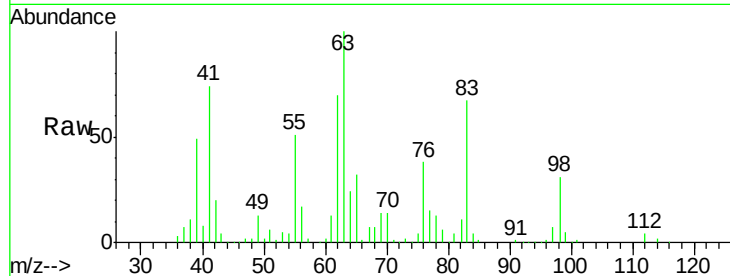
Acq: 28 May 2018 01:57

Tgt Ion: 63 Resp: 146442

Ion Ratio Lower Upper

63 100

112 3.7 2.9 4.3



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

80000

60000

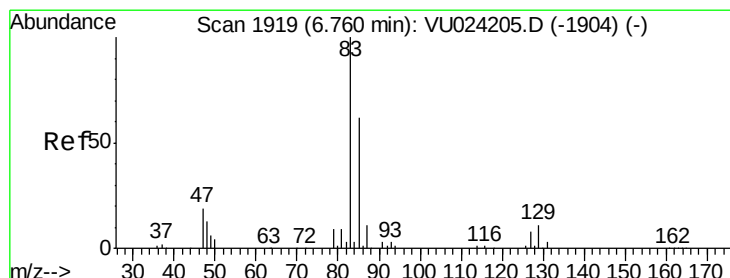
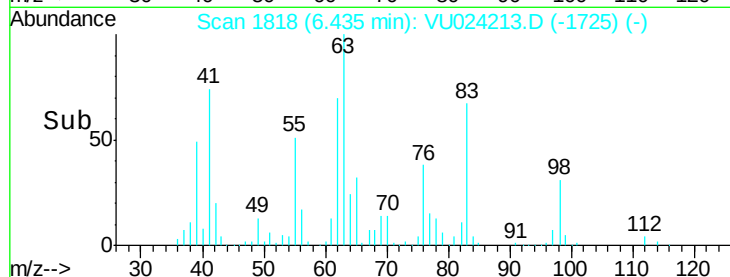
40000

20000

0

6.35 6.40 6.45 6.50 6.55

Time-->



#38

Bromodichloromethane

Concen: 48.11 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

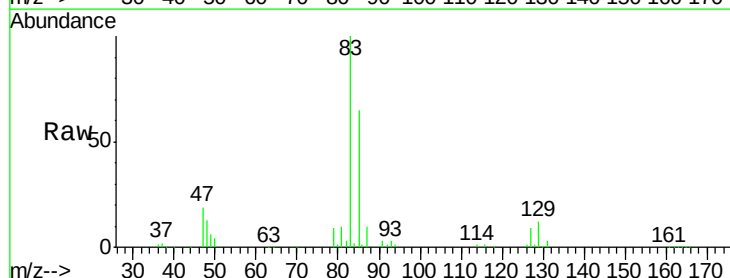
Tgt Ion: 83 Resp: 166871

Ion Ratio Lower Upper

83 100

85 65.4 44.6 82.8

127 8.8 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

120000

100000

80000

60000

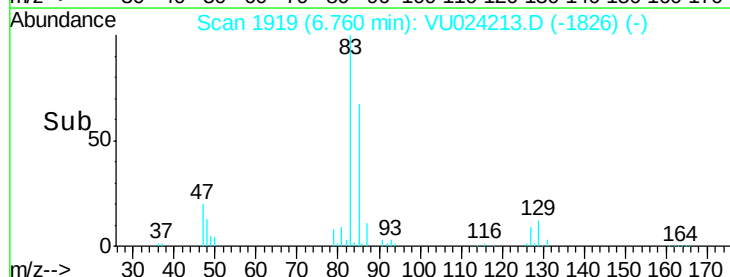
40000

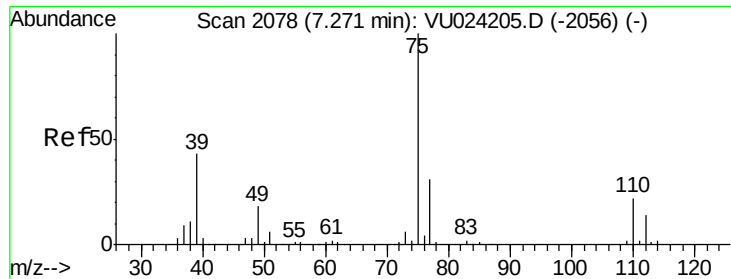
20000

0

6.70 6.80 6.90

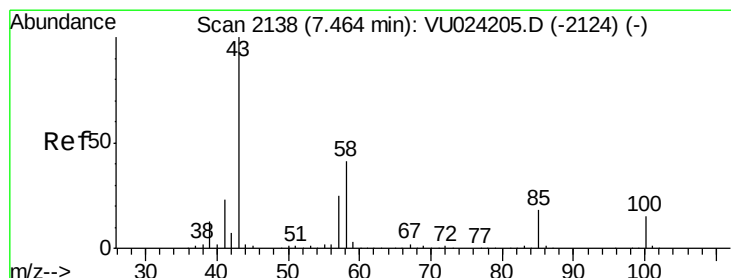
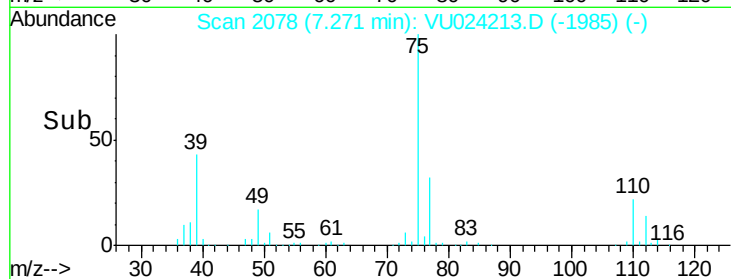
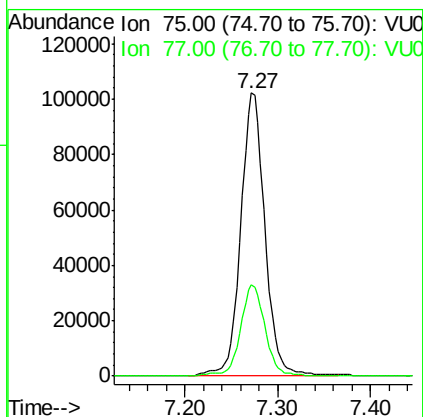
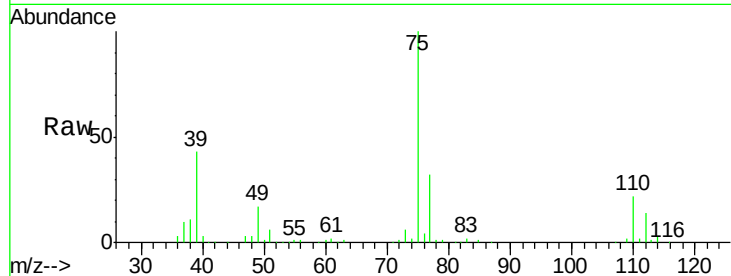
Time-->





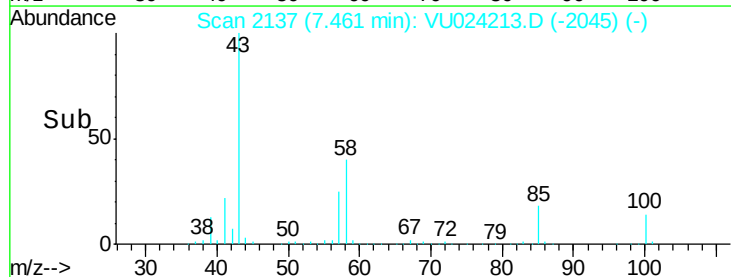
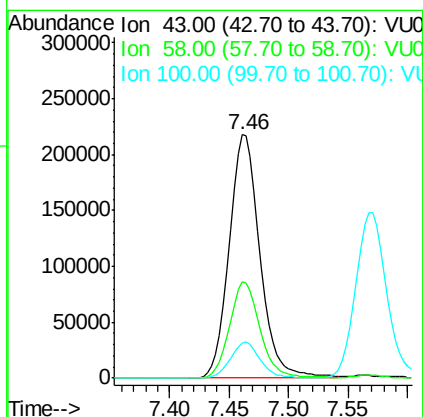
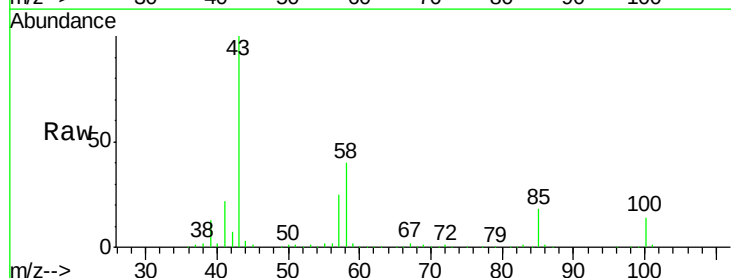
#39
 cis-1,3-Dichloropropene
 Concen: 47.63 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU024213.D
 Acq: 28 May 2018 01:57

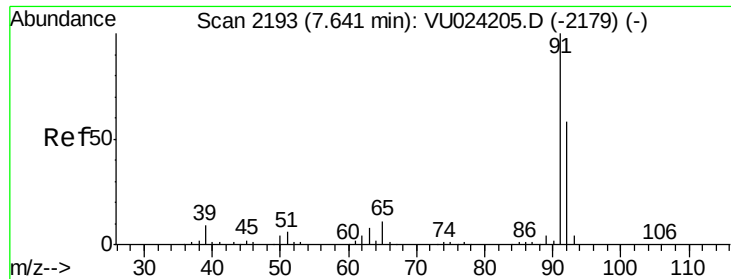
Tgt Ion: 75 Resp: 185580
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 97.70 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024213.D
 Acq: 28 May 2018 01:57

Tgt Ion: 43 Resp: 390969
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.6 47.4
 100 14.4 11.5 17.3





#42

Toluene

Concen: 51.39 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024213.D

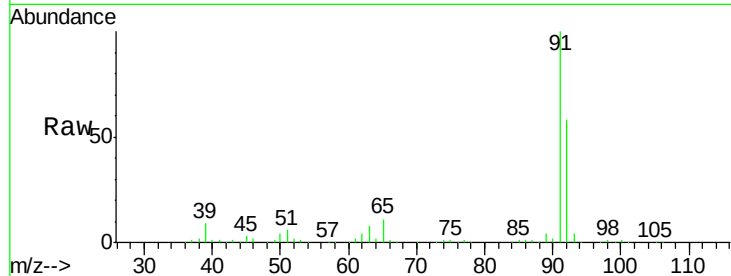
Acq: 28 May 2018 01:57

Tgt Ion: 91 Resp: 549088

Ion Ratio Lower Upper

91 100

92 57.7 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

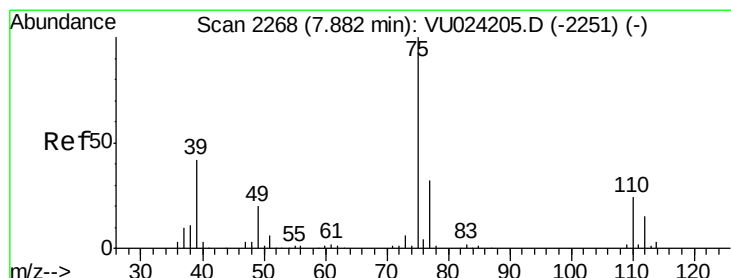
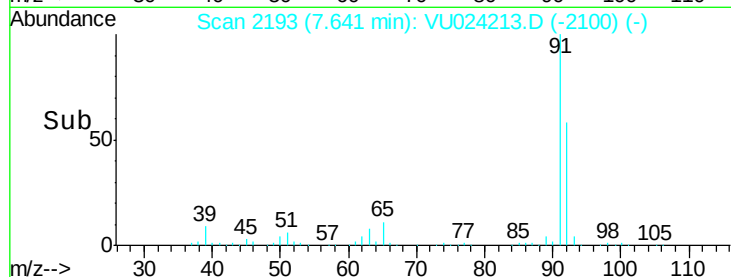
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#44

trans-1,3-Dichloropropene

Concen: 47.76 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024213.D

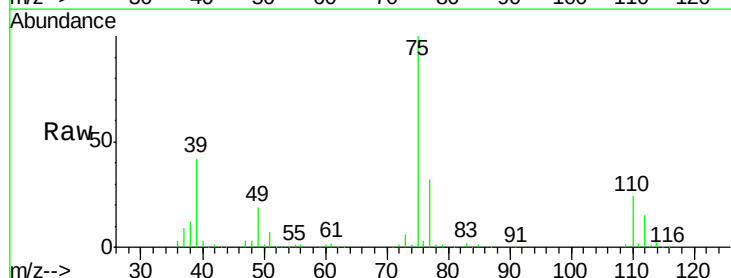
Acq: 28 May 2018 01:57

Tgt Ion: 75 Resp: 165734

Ion Ratio Lower Upper

75 100

77 31.5 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

100000

80000

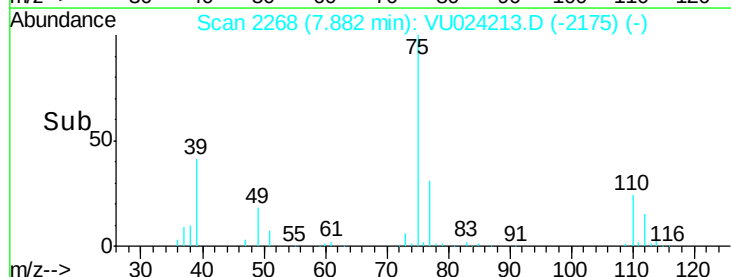
60000

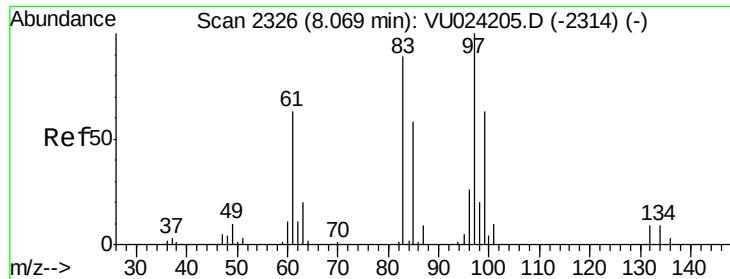
40000

20000

0

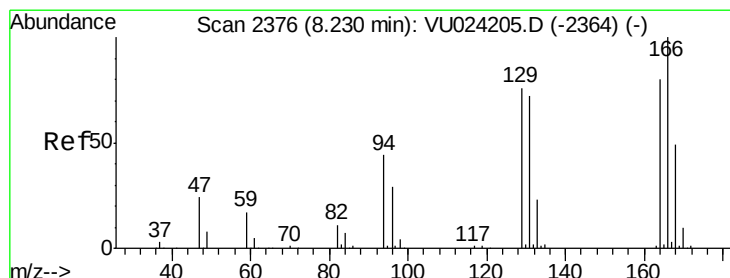
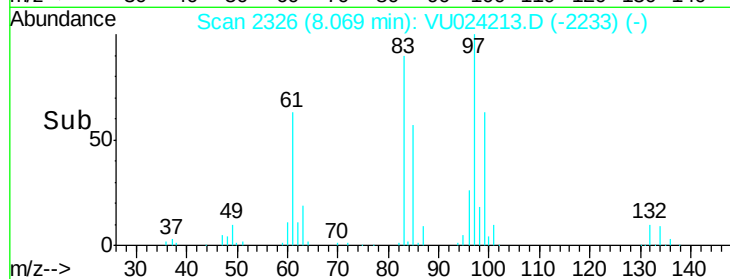
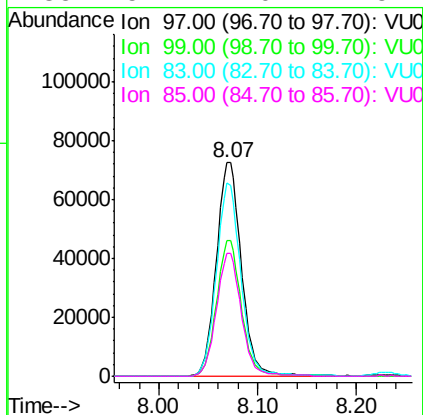
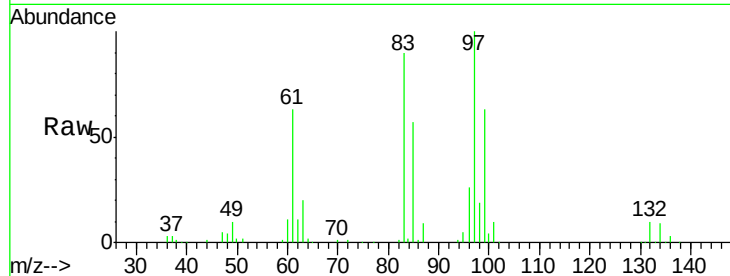
Time--> 7.80 7.85 7.90 7.95





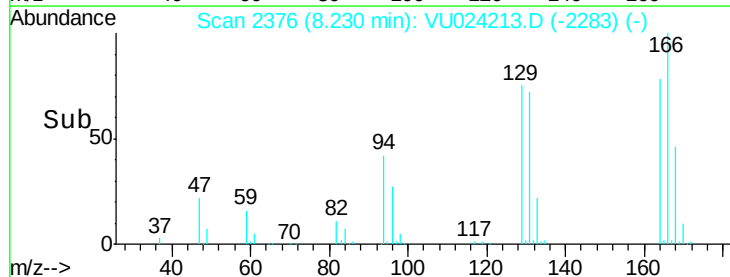
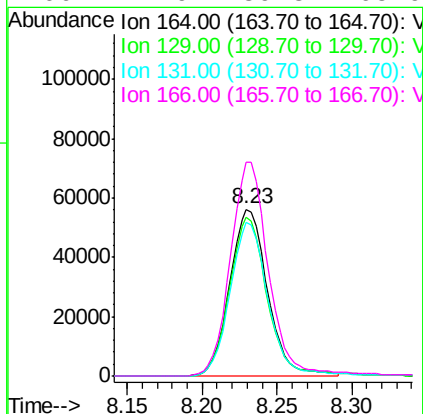
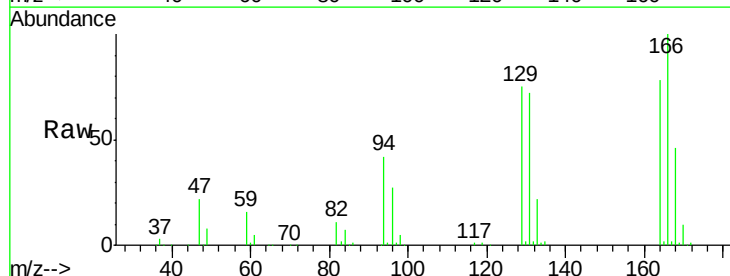
#45
 1,1,2-Trichloroethane
 Concen: 49.27 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024213.D
 Acq: 28 May 2018 01:57

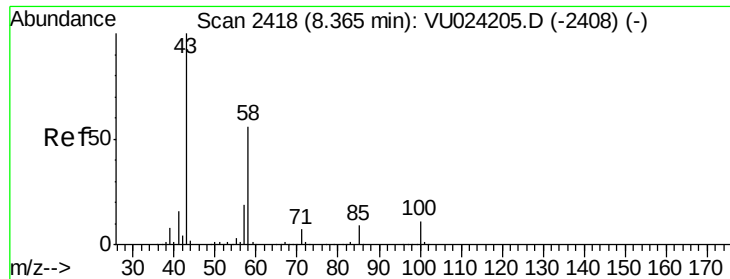
Tgt Ion:	97	Resp:	129280
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.5	80.9
83	90.4	61.9	114.9
85	57.4	40.7	75.7



#46
 Tetrachloroethene
 Concen: 47.85 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU024213.D
 Acq: 28 May 2018 01:57

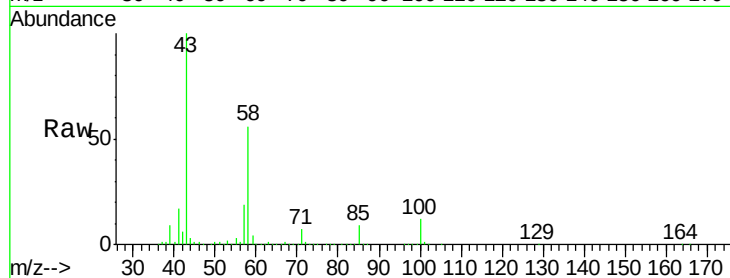
Tgt Ion:	164	Resp:	98953
Ion	Ratio	Lower	Upper
164	100		
129	95.5	66.6	123.6
131	92.4	64.5	119.9
166	127.9	89.3	165.9



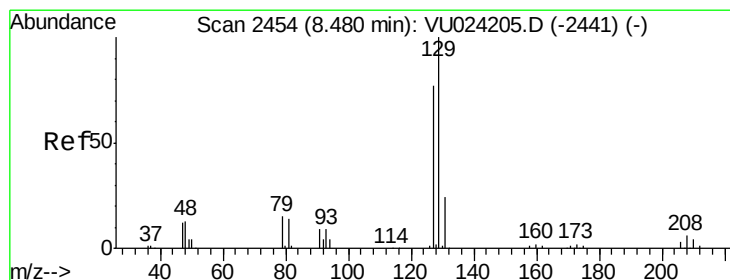
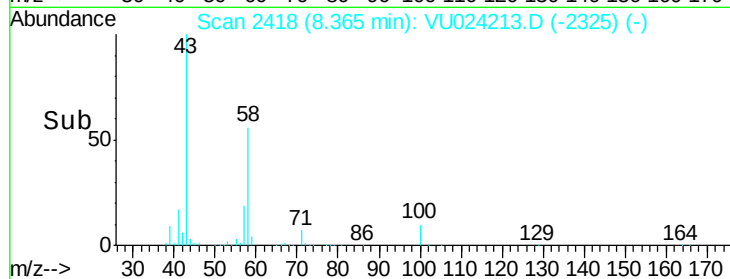
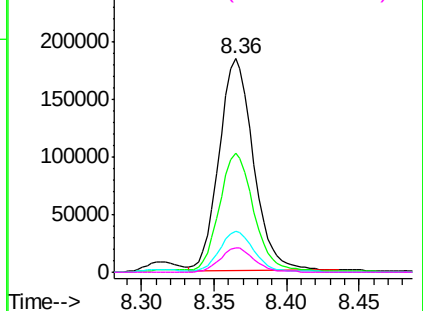


#48
2-Hexanone
Concen: 96.01 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024213.D
Acq: 28 May 2018 01:57

Tgt Ion:	43	Resp:	303100
Ion	Ratio	Lower	Upper
43	100		
58	56.0	44.6	67.0
57	19.4	15.3	22.9
100	11.6	8.9	13.3

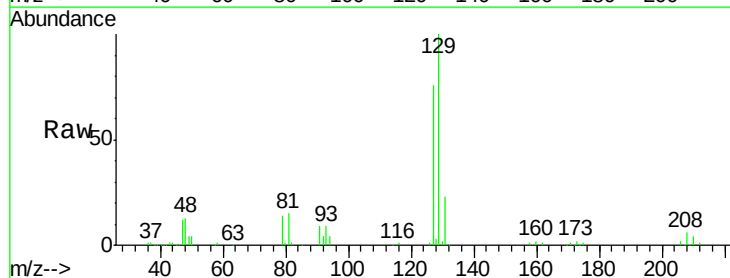


Abundance Ion 43.00 (42.70 to 43.70): VU024213.D (-2325) (-)
Ion 58.00 (57.70 to 58.70): VU024213.D (-2325) (-)
Ion 57.00 (56.70 to 57.70): VU024213.D (-2325) (-)
Ion 100.00 (99.70 to 100.70): VU024213.D (-2325) (-)

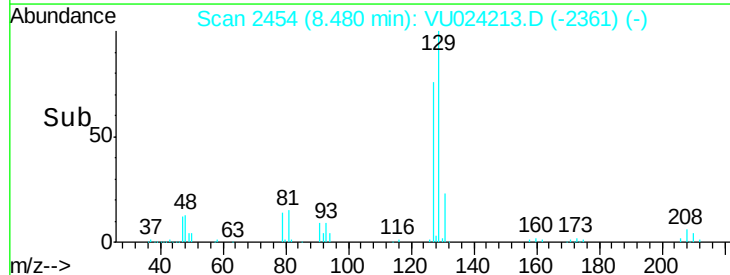
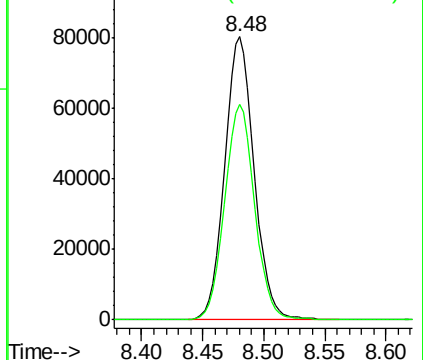


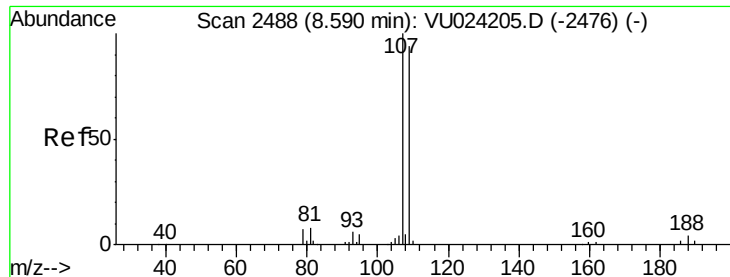
#49
Dibromochloromethane
Concen: 49.36 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024213.D
Acq: 28 May 2018 01:57

Tgt Ion:	129	Resp:	136252
Ion	Ratio	Lower	Upper
129	100		
127	76.2	54.2	100.6



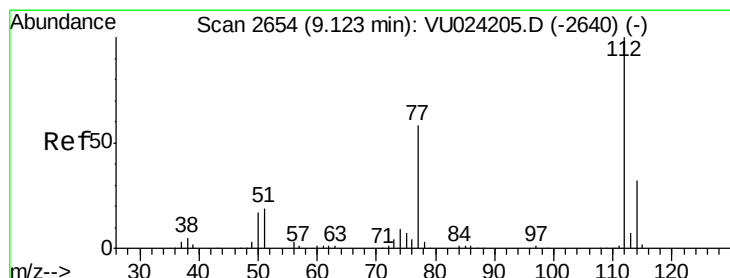
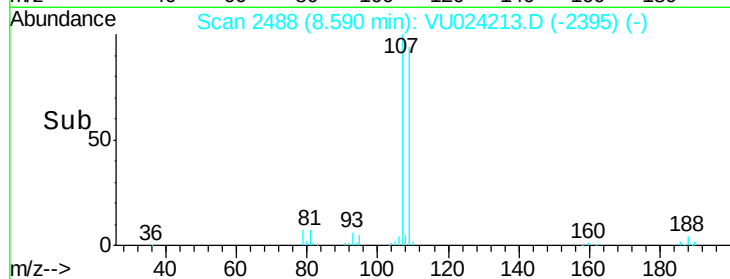
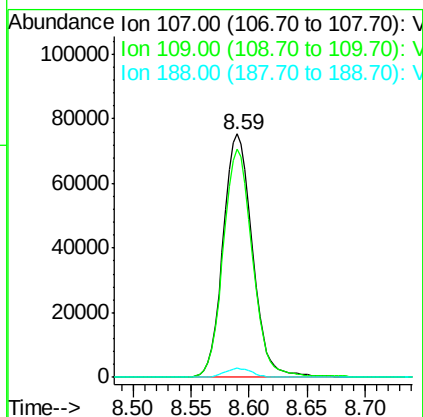
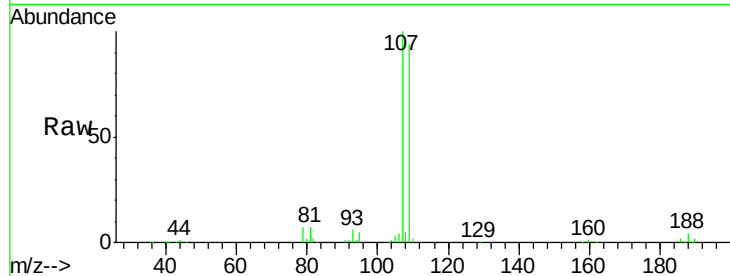
Abundance Ion 129.00 (128.70 to 129.70): VU024213.D (-2361) (-)
Ion 127.00 (126.70 to 127.70): VU024213.D (-2361) (-)





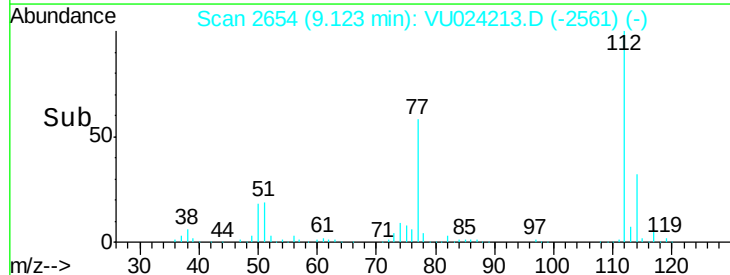
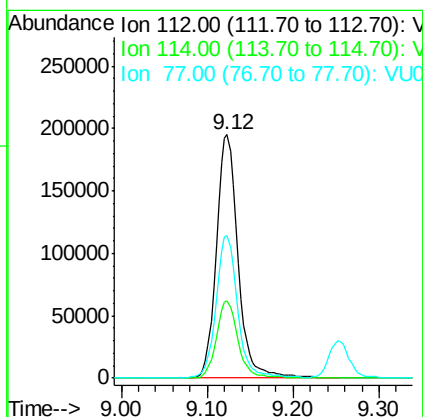
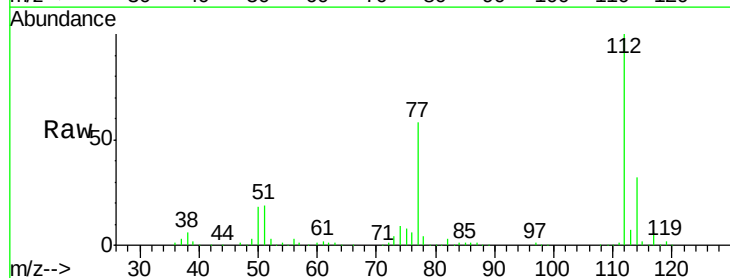
#50
1,2-Dibromoethane
Concen: 49.84 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU024213.D
Acq: 28 May 2018 01:57

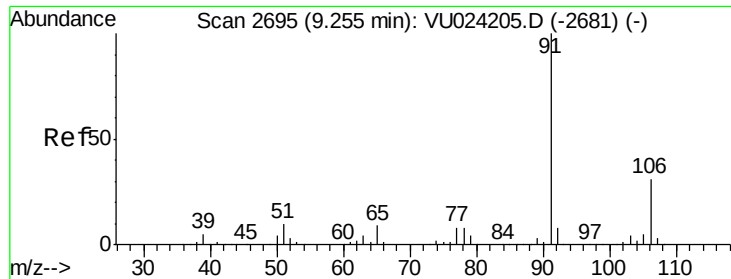
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	65.6	121.8
188	3.8	2.9	4.3



#51
Chlorobenzene
Concen: 49.36 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024213.D
Acq: 28 May 2018 01:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.5	41.9
77	58.5	47.3	70.9





#52

Ethylbenzene

Concen: 50.69 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024213.D

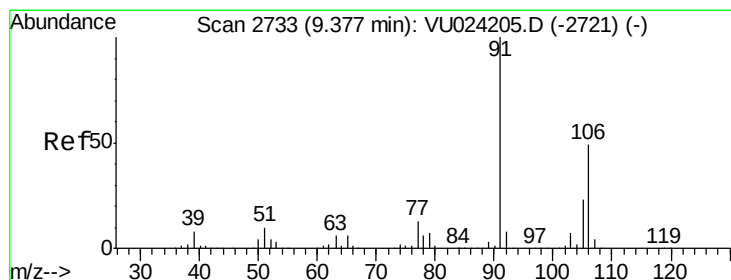
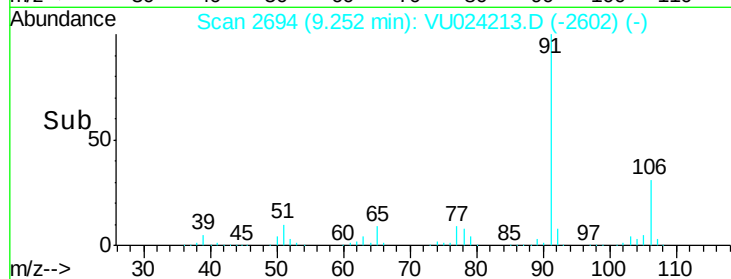
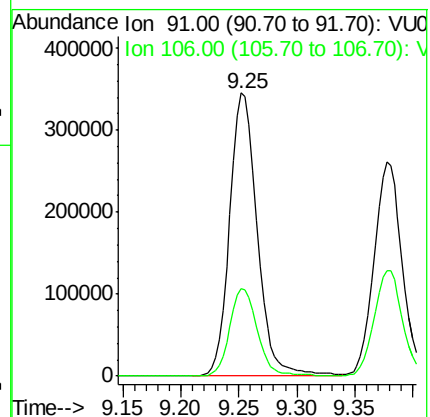
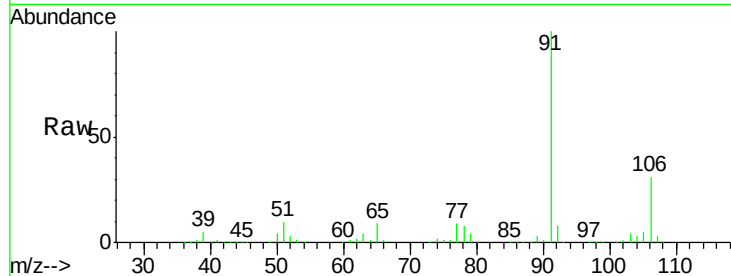
Acq: 28 May 2018 01:57

Tgt Ion: 91 Resp: 572432

Ion Ratio Lower Upper

91 100

106 31.0 22.0 41.0



#53

m,p-Xylene

Concen: 52.59 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024213.D

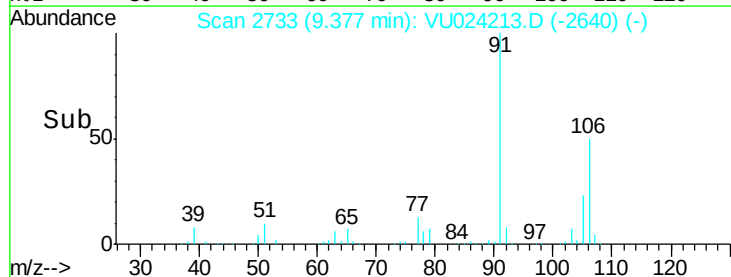
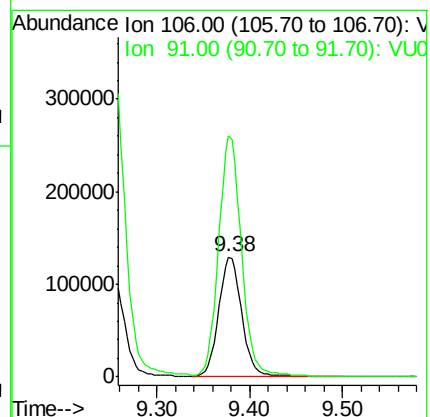
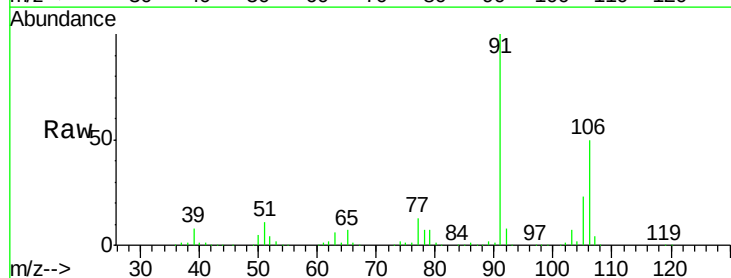
Acq: 28 May 2018 01:57

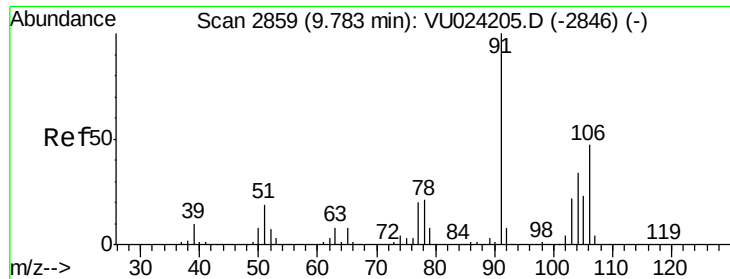
Tgt Ion: 106 Resp: 225014

Ion Ratio Lower Upper

106 100

91 201.5 141.9 263.5





#54

o-xylene

Concen: 51.18 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU024213.D

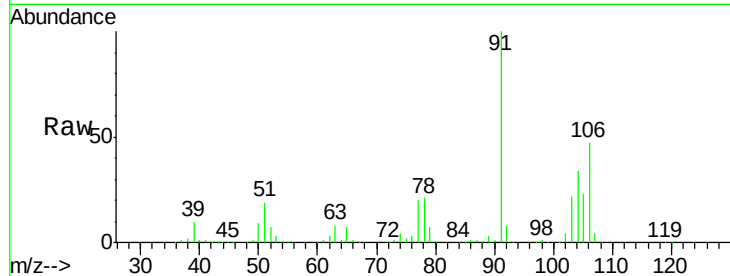
Acq: 28 May 2018 01:57

Tgt Ion:106 Resp: 219322

Ion Ratio Lower Upper

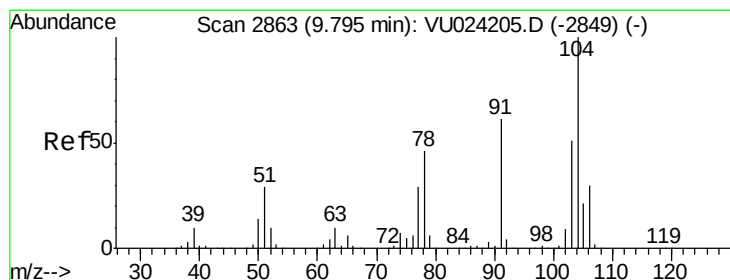
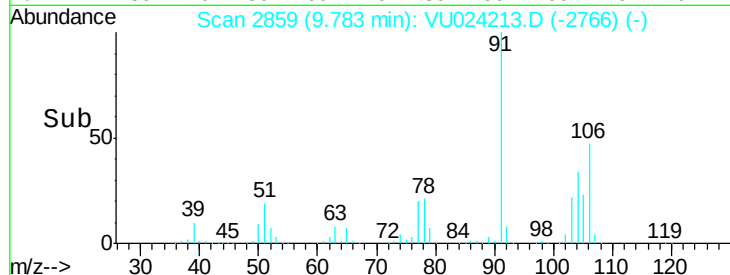
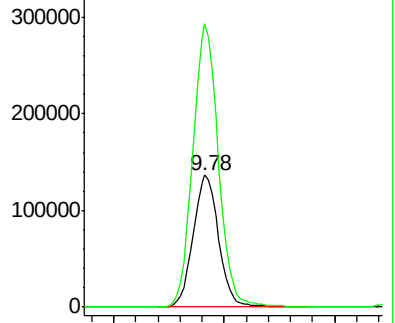
106 100

91 214.6 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.60 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU024213.D

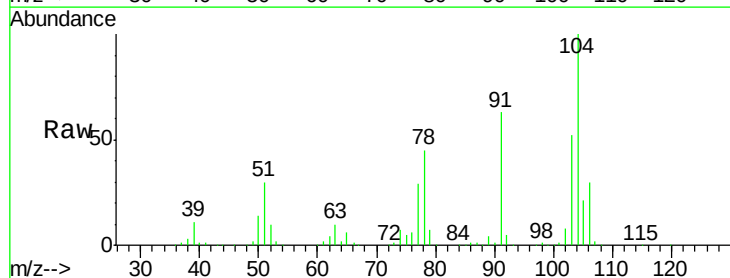
Acq: 28 May 2018 01:57

Tgt Ion:104 Resp: 372506

Ion Ratio Lower Upper

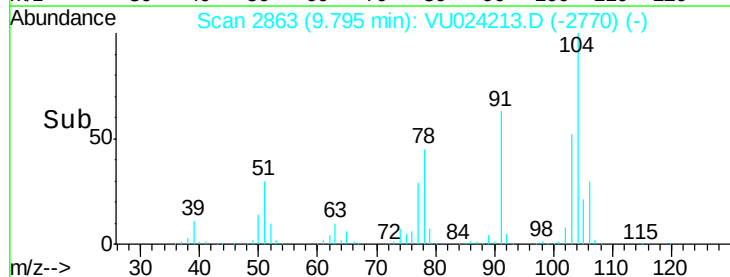
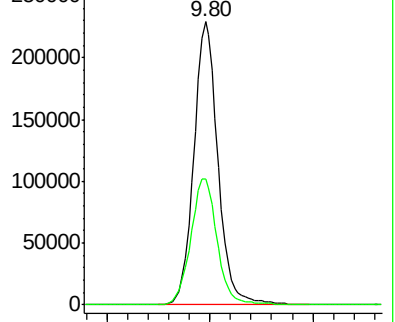
104 100

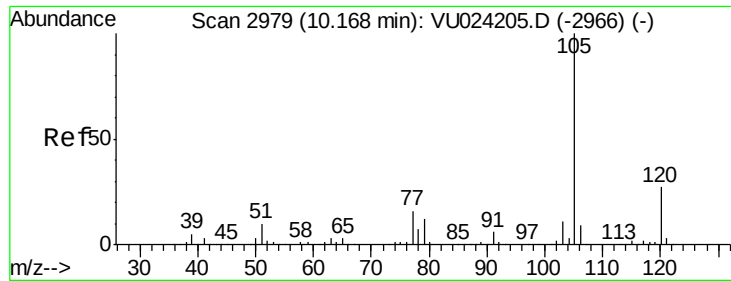
78 44.7 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.26 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

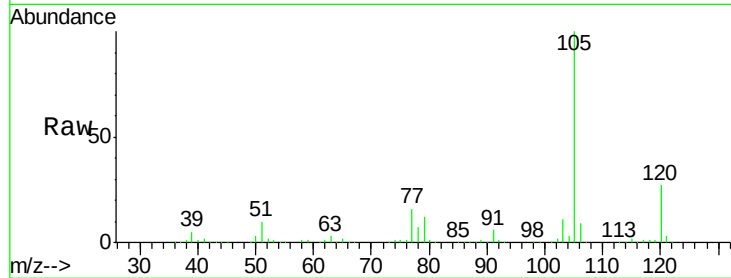
Tgt Ion: 105 Resp: 555958

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.0

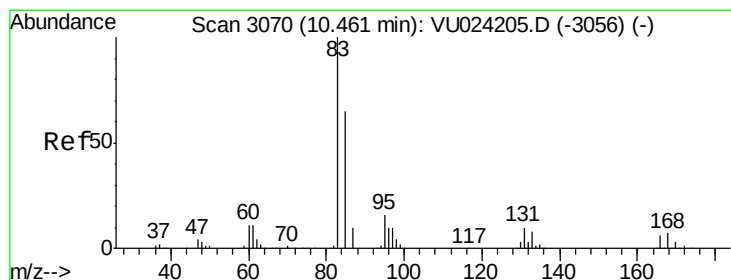
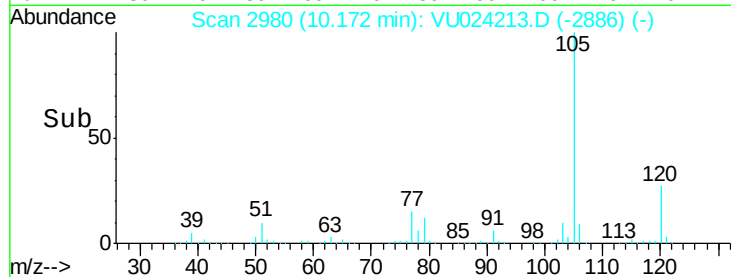
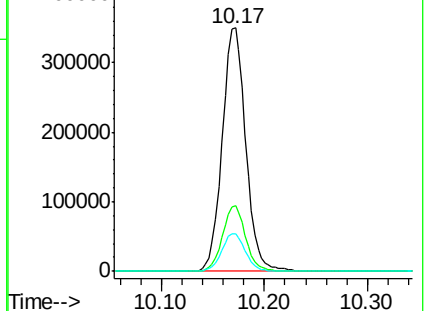
77 15.7 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.65 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

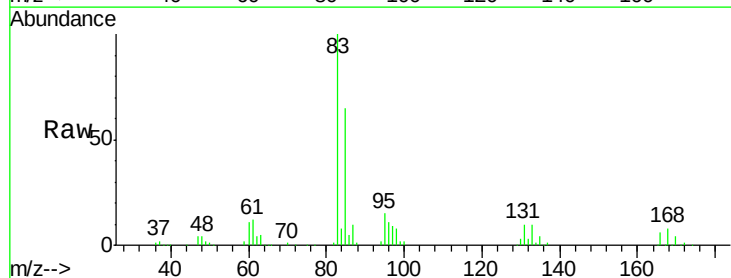
Tgt Ion: 83 Resp: 224556

Ion Ratio Lower Upper

83 100

85 64.5 45.3 84.1

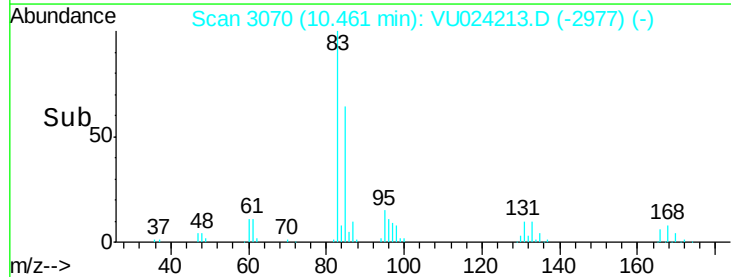
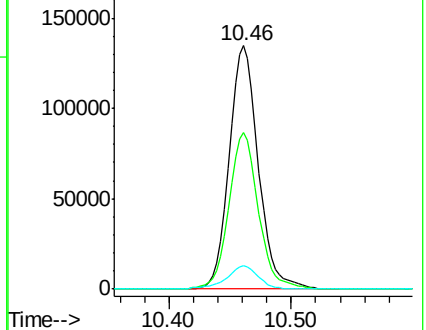
131 9.6 7.6 11.4

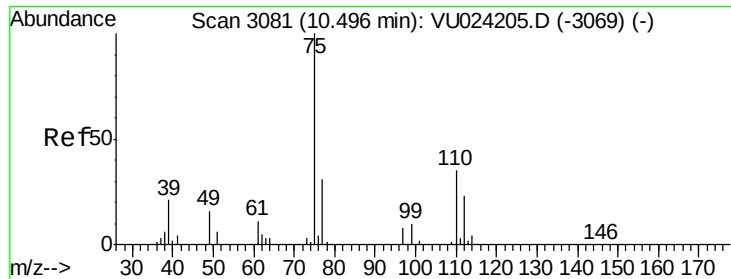


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

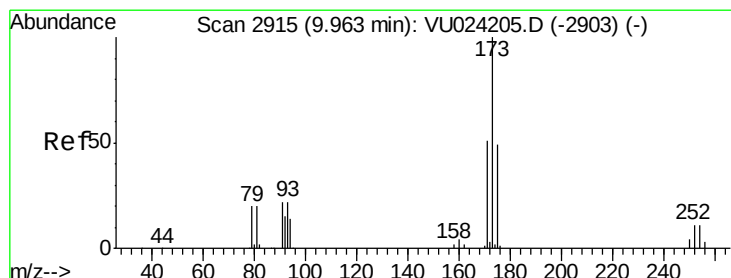
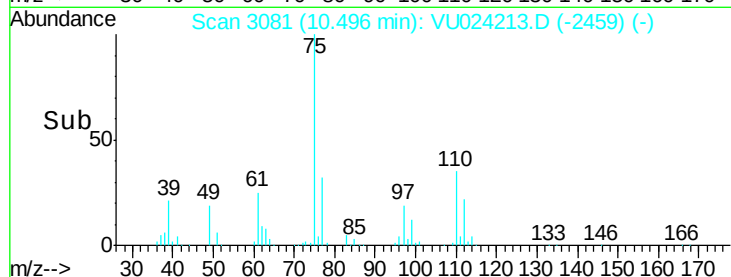
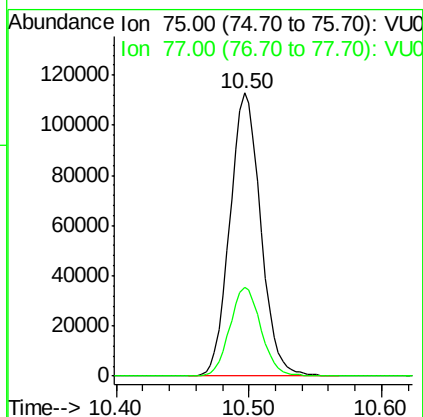
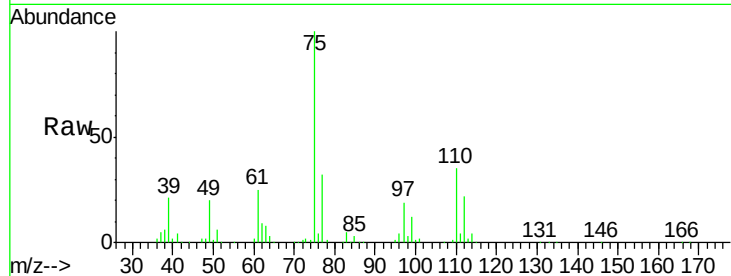
Ion 131.00 (130.70 to 131.70): V





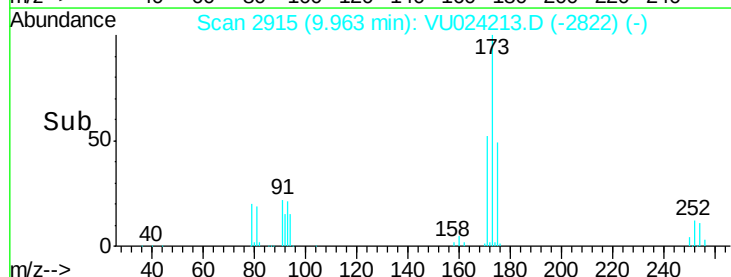
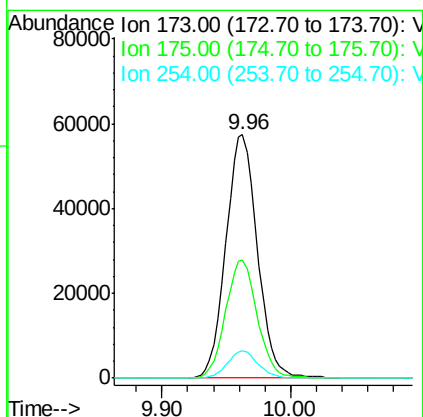
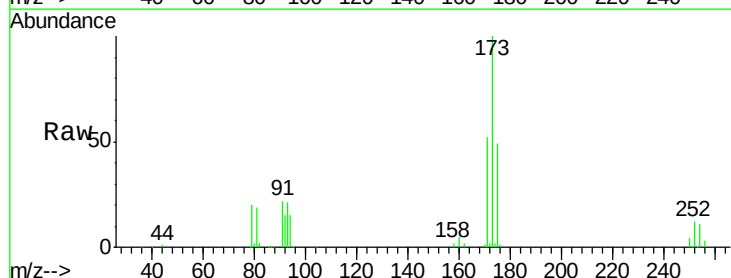
#59
 1,2,3-Trichloropropane
 Concen: 49.51 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU024213.D
 Acq: 28 May 2018 01:57

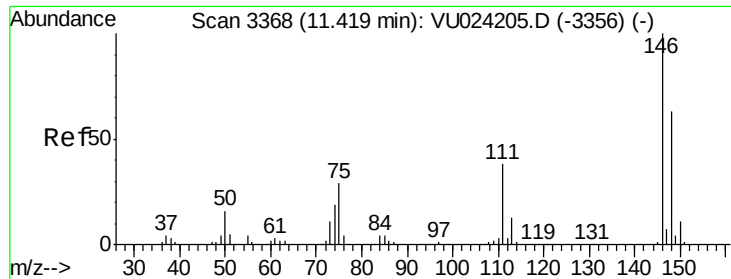
Tgt Ion: 75 Resp: 182888
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.5 38.3



#61
 Bromoform
 Concen: 47.25 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024213.D
 Acq: 28 May 2018 01:57

Tgt Ion: 173 Resp: 97299
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.5 57.7
 254 10.8 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 49.28 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

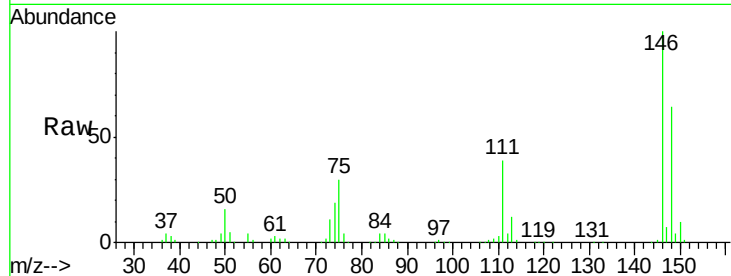
Tgt Ion:146 Resp: 240379

Ion Ratio Lower Upper

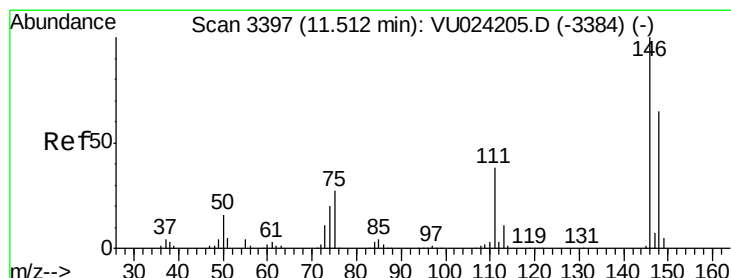
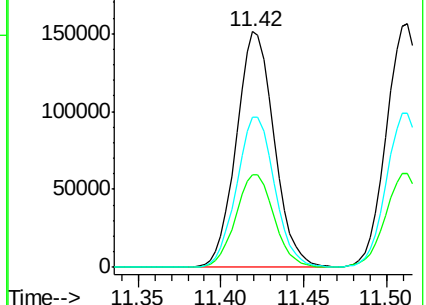
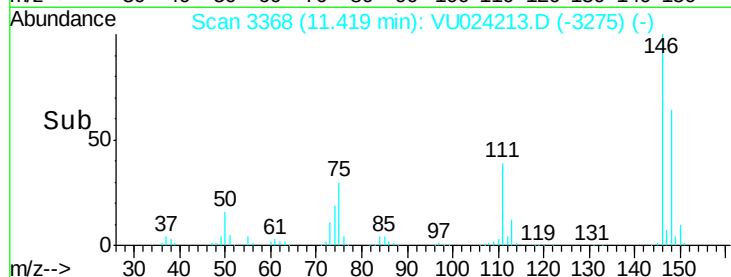
146 100

111 39.4 27.6 51.4

148 63.8 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 49.77 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU024213.D

Acq: 28 May 2018 01:57

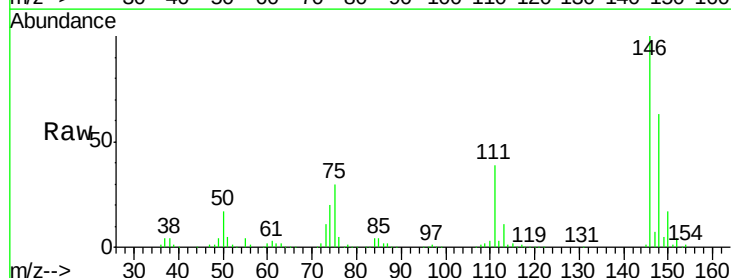
Tgt Ion:146 Resp: 248406

Ion Ratio Lower Upper

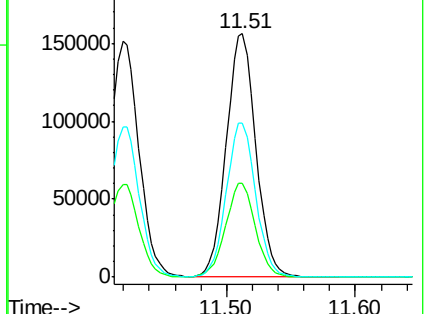
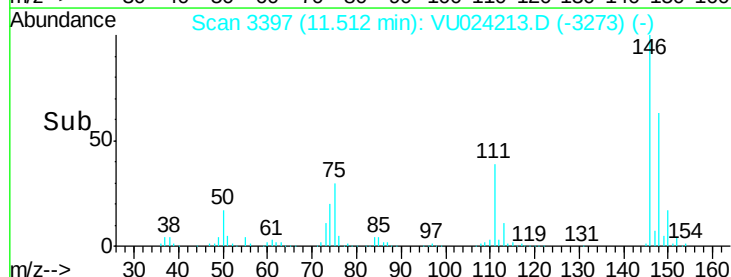
146 100

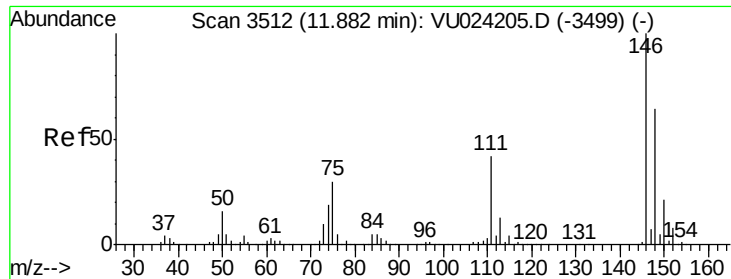
111 38.6 26.9 49.9

148 63.4 45.4 84.2



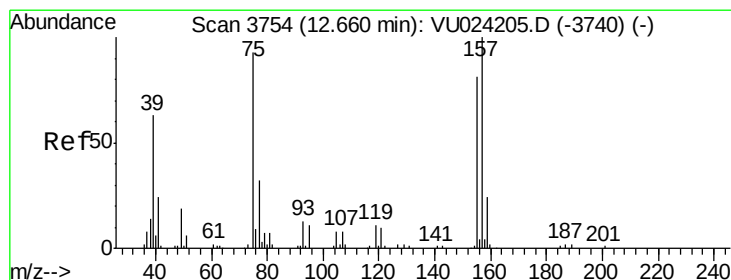
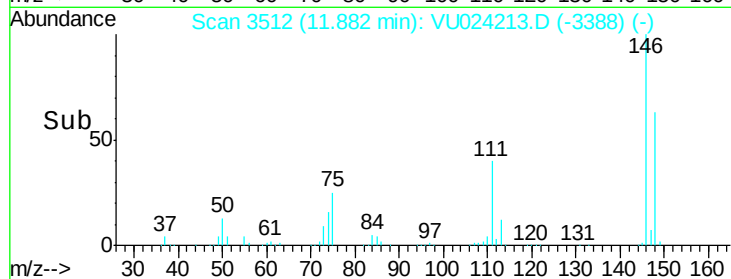
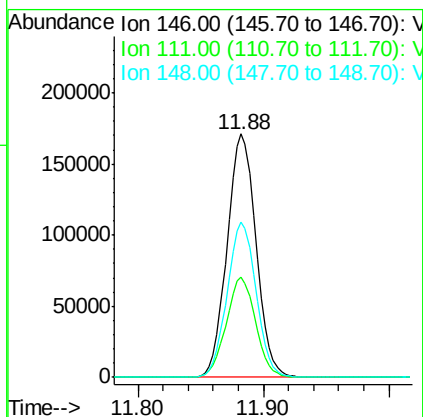
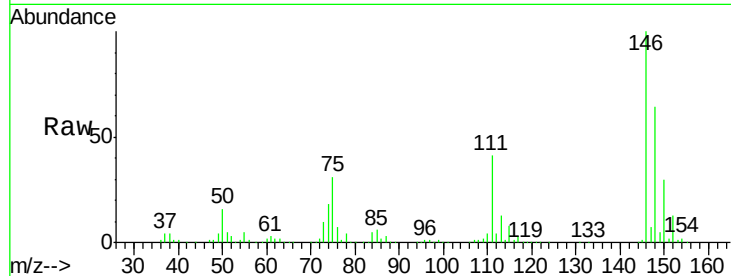
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





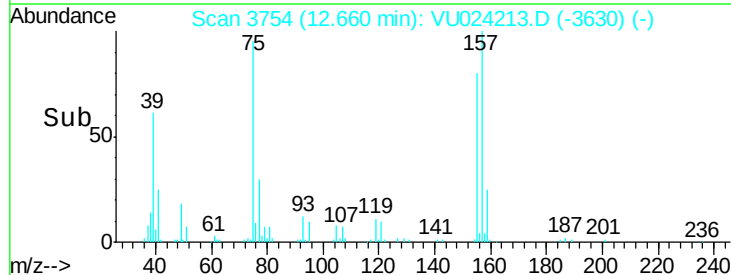
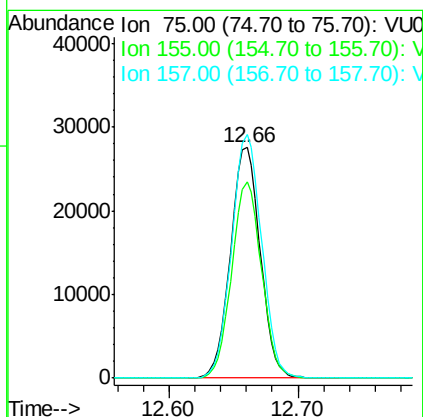
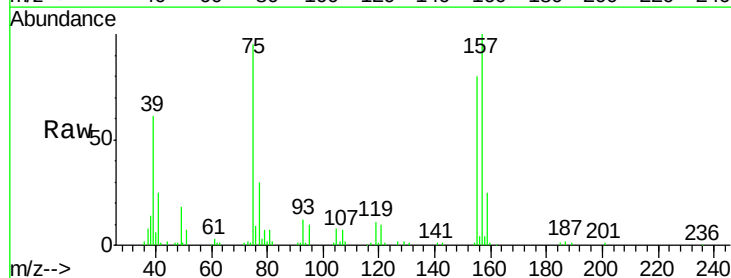
#65
 1,2-Dichlorobenzene
 Concen: 50.89 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024213.D
 Acq: 28 May 2018 01:57

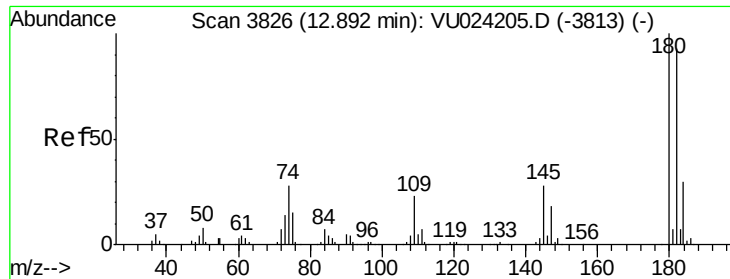
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	33.0	49.6
148	63.6	51.0	76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.03 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024213.D
 Acq: 28 May 2018 01:57

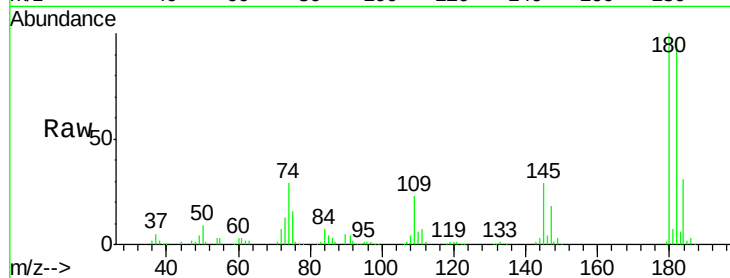
Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	66.8	100.2
157	105.6	84.8	127.2





#67
 1,3,5-Trichlorobenzene
 Concen: 49.45 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU024213.D
 Acq: 28 May 2018 01:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.8	113.6
184	30.9	24.6	36.8
145	28.7	23.4	35.0

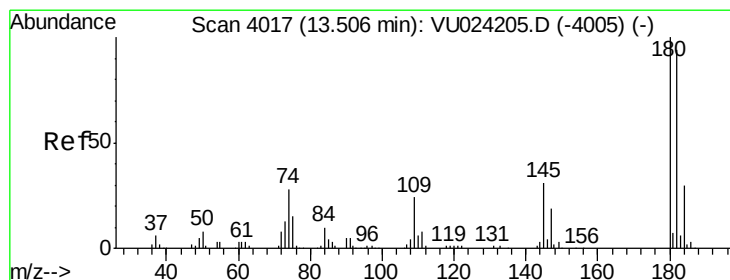
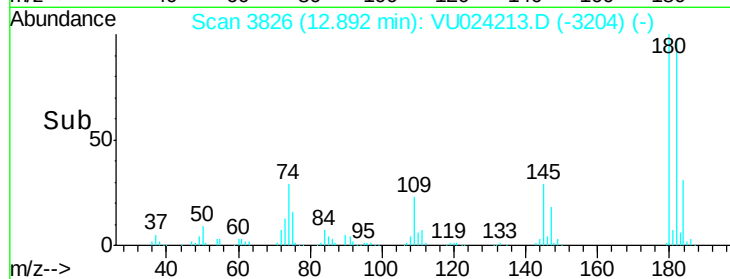
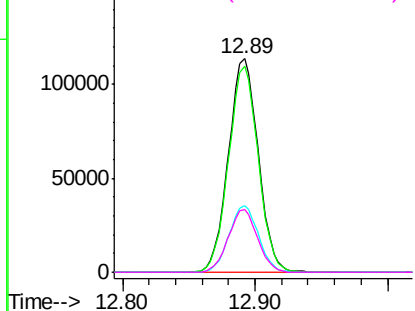


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

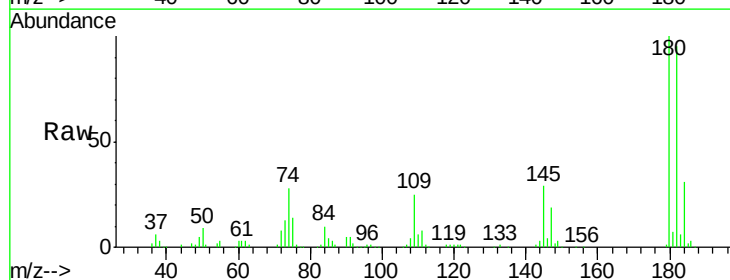
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.94 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024213.D
 Acq: 28 May 2018 01:57

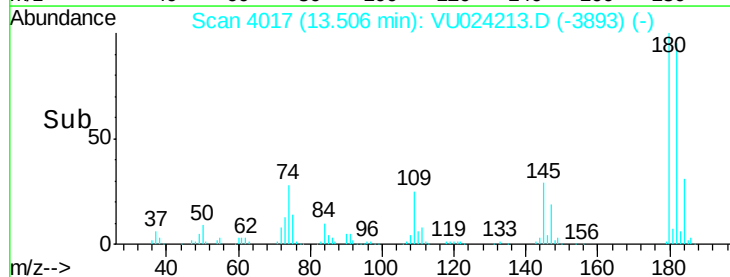
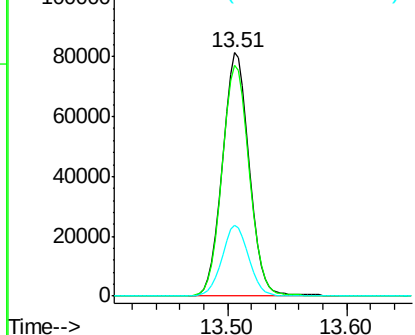
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.8	115.2
145	29.0	23.4	35.0

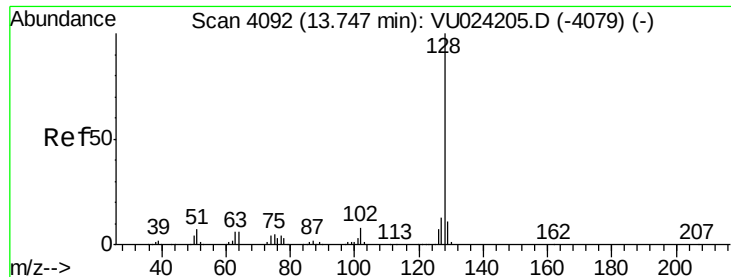


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

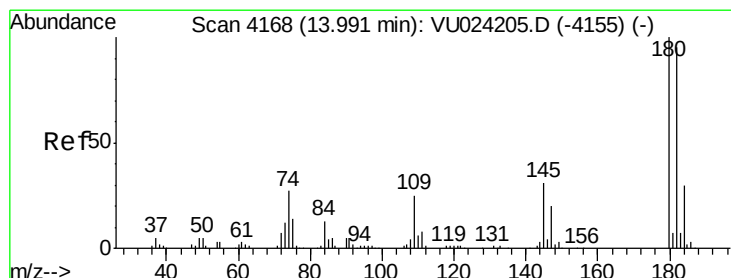
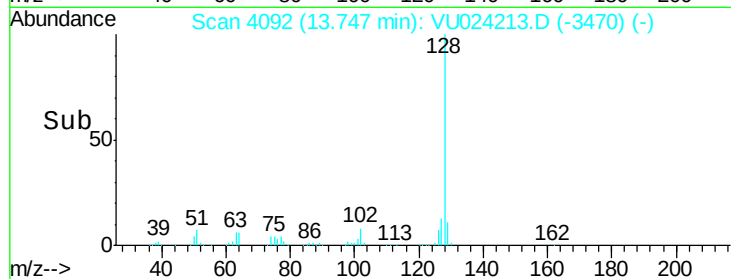
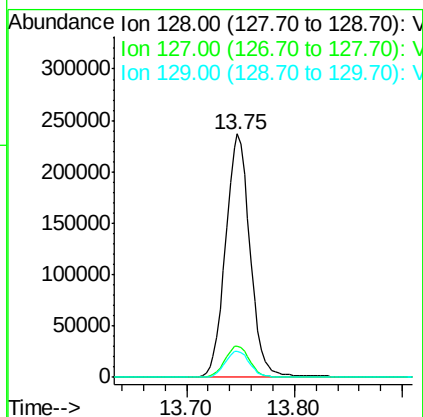
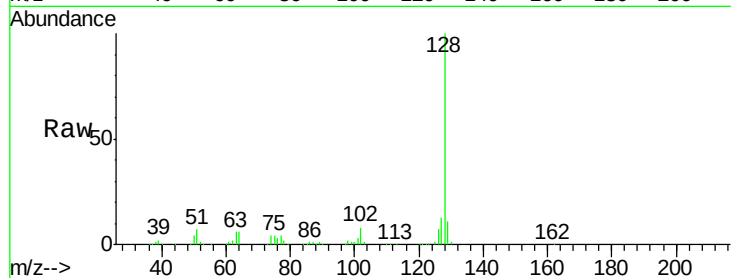
Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 49.13 ug/L
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU024213.D
Acq: 28 May 2018 01:57

Tgt Ion:128 Resp: 376094
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.9 8.7 13.1



#70
1,2,3-Trichlorobenzene
Concen: 50.10 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU024213.D
Acq: 28 May 2018 01:57

Tgt Ion:180 Resp: 146531
Ion Ratio Lower Upper
180 100
182 95.9 75.8 113.6
145 31.2 24.5 36.7

