

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052218\
 Data File : VU024027.D
 Acq On : 22 May 2018 20:19
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 23 02:54:45 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM051218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 23 02:51:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	293073	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	286442	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	148375	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92503	33.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.94%
7) Chloroethane-d5	1.68	69	77645	36.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.36%
11) 1,1-Dichloroethene-d2	2.27	63	193132	38.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.30%
21) 2-Butanone-d5	4.18	46	196591	103.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.73%
24) Chloroform-d	4.65	84	197981	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.26%
26) 1,2-Dichloroethane-d4	5.31	65	131031	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
32) Benzene-d6	5.58	84	185	0.02	ug/L	0.23
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.04%#
36) 1,2-Dichloropropane-d6	6.34	67	131728	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.28%
41) Toluene-d8	7.57	98	360064	46.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.48%
43) trans-1,3-Dichloropropene-	7.85	79	55949	47.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.20%
47) 2-Hexanone-d5	8.31	63	137661	105.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.74%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	199832	50.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	149794	46.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.48%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	126385	42.18	ug/L	99
3) Chloromethane	1.33	50	129668	46.52	ug/L	99
5) Vinyl chloride	1.40	62	140195	43.41	ug/L	98
6) Bromomethane	1.63	94	59440	46.17	ug/L	99
8) Chloroethane	1.70	64	88969	43.93	ug/L	99
9) Trichlorofluoromethane	1.89	101	175423	43.49	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	107319	43.59	ug/L	99
12) 1,1-Dichloroethene	2.28	96	97119	44.37	ug/L	93
13) Acetone	2.32	43	167109	87.54	ug/L	97
14) Carbon disulfide	2.48	76	266711	45.71	ug/L	100
15) Methyl Acetate	2.62	43	163457	51.05	ug/L	98
16) Methylene chloride	2.70	84	125503	48.20	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	103403	47.90	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	349909	50.49	ug/L	98
19) 1,1-Dichloroethane	3.45	63	228210	49.73	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	123201	48.87	ug/L	96
22) 2-Butanone	4.27	43	239131	102.93	ug/L	99

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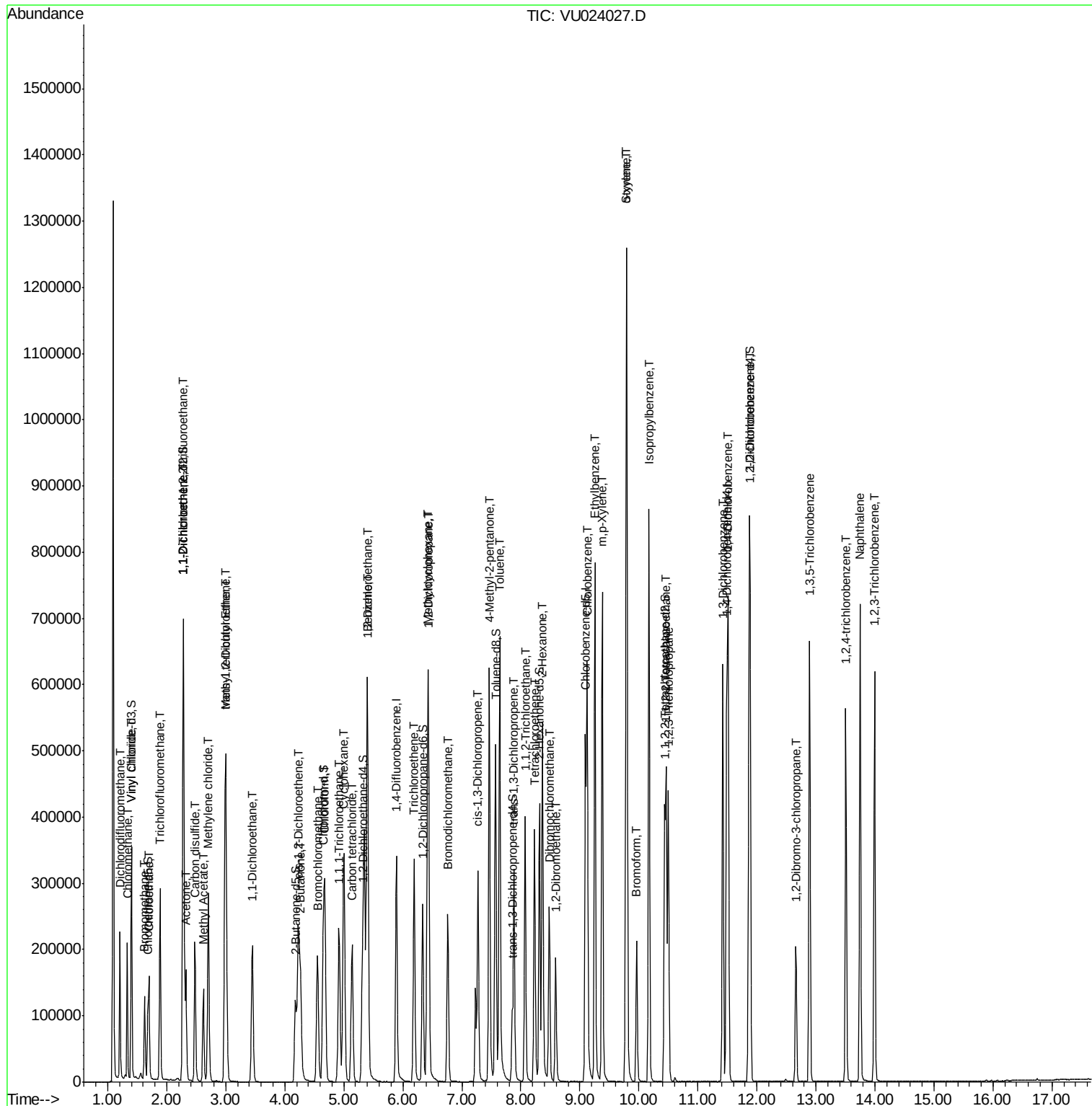
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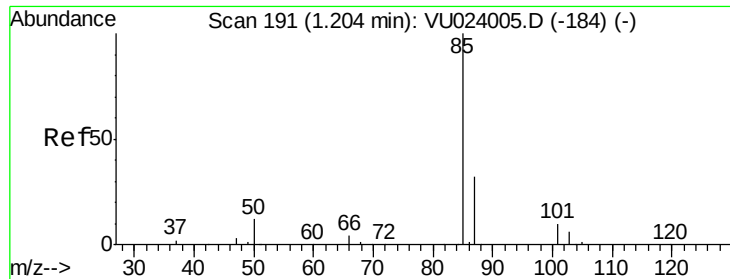
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	62610	47.94	ug/L	94
25) Chloroform	4.68	83	228943	49.37	ug/L	97
27) 1,2-Dichloroethane	5.41	62	182943	51.88	ug/L	99
29) Cyclohexane	5.00	56	177783	51.68	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	176598	49.37	ug/L	99
31) Carbon tetrachloride	5.14	117	148731	48.24	ug/L	100
33) Benzene	5.39	78	478641	50.79	ug/L	100
34) Trichloroethene	6.19	95	119950	49.90	ug/L	95
35) Methylcyclohexane	6.42	83	168982	49.54	ug/L	100
37) 1,2-Dichloropropane	6.44	63	140649	50.44	ug/L	99
38) Bromodichloromethane	6.76	83	168244	50.91	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	188969	51.34	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	429902	109.42	ug/L	98
42) Toluene	7.64	91	512146	52.15	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	174603	51.51	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	124797	49.82	ug/L	98
46) Tetrachloroethene	8.23	164	91128	46.37	ug/L	97
48) 2-Hexanone	8.36	43	350812	109.95	ug/L	98
49) Dibromochloromethane	8.48	129	131885	49.52	ug/L	100
50) 1,2-Dibromoethane	8.59	107	128350	50.24	ug/L	98
51) Chlorobenzene	9.12	112	329917	49.52	ug/L	97
52) Ethylbenzene	9.26	91	548093	51.77	ug/L	99
53) m,p-Xylene	9.38	106	204046	50.86	ug/L	95
54) o-xylene	9.78	106	205573	52.73	ug/L	99
55) Styrene	9.80	104	366911	53.83	ug/L	97
56) Isopropylbenzene	10.17	105	536434	52.32	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	228009	50.58	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	184811	51.07	ug/L	98
61) Bromoform	9.96	173	97998	46.74	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	252683	48.90	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	263500	48.12	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	271608	48.73	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	49212	50.06	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	207065	48.46	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	172069	49.17	ug/L	98
69) Naphthalene	13.75	128	550248	55.23	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	192554	51.42	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 42.18 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU024027.D

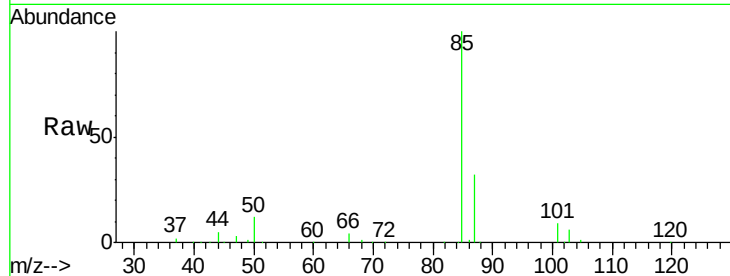
Acq: 22 May 2018 20:19

Tgt Ion: 85 Resp: 126385

Ion Ratio Lower Upper

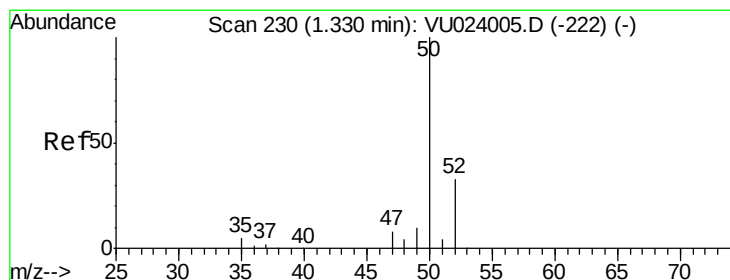
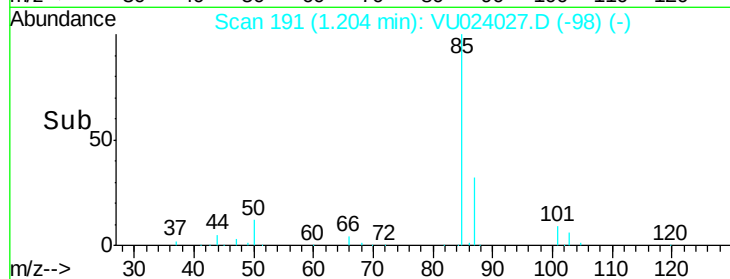
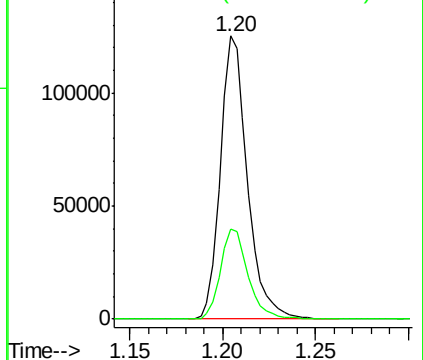
85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 46.52 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024027.D

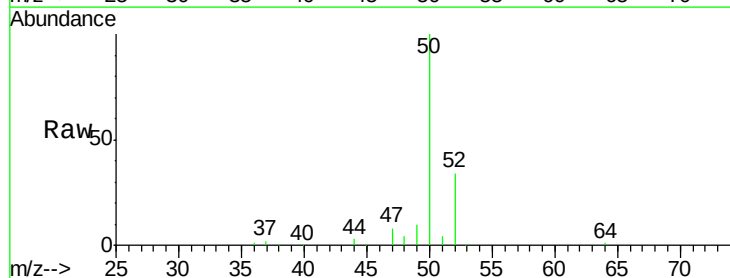
Acq: 22 May 2018 20:19

Tgt Ion: 50 Resp: 129668

Ion Ratio Lower Upper

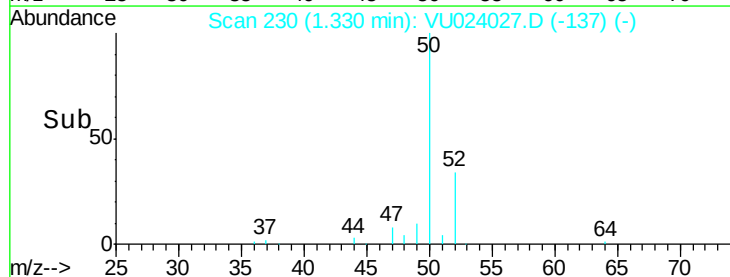
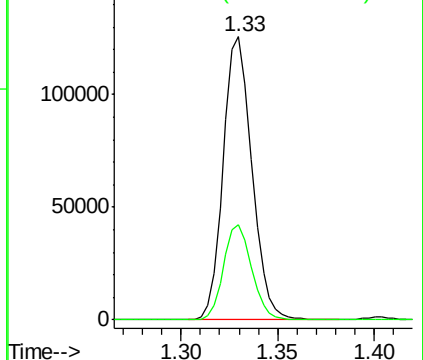
50 100

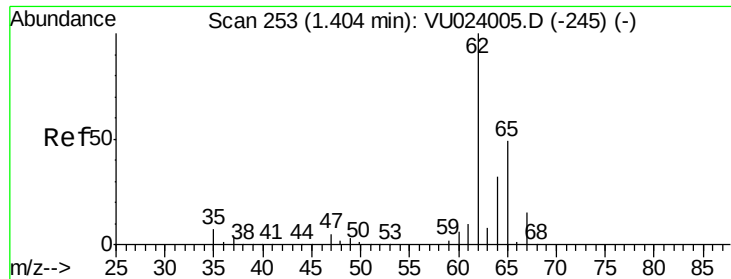
52 33.6 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 43.41 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024027.D

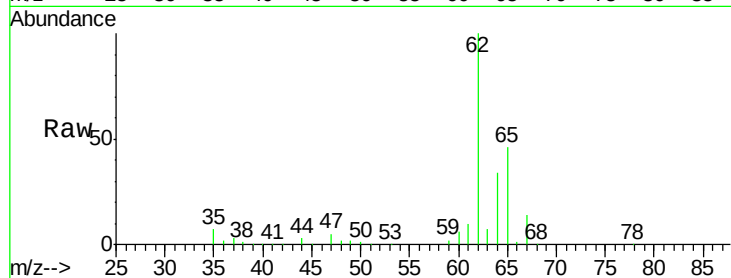
Acq: 22 May 2018 20:19

Tgt Ion: 62 Resp: 140195

Ion Ratio Lower Upper

62 100

64 33.6 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

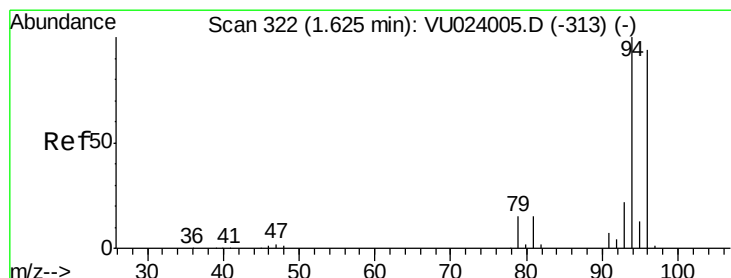
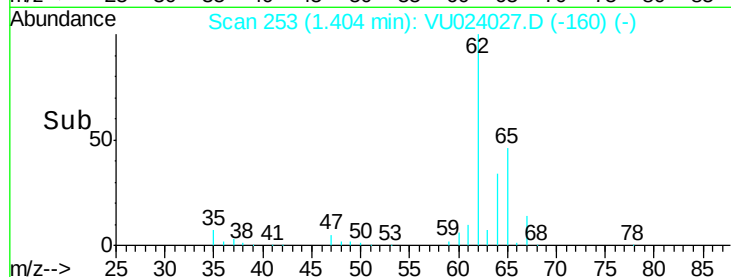
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 46.17 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024027.D

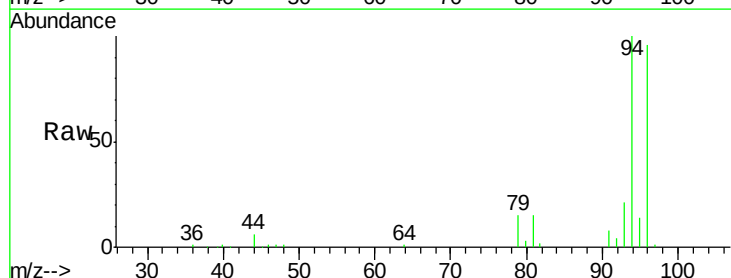
Acq: 22 May 2018 20:19

Tgt Ion: 94 Resp: 59440

Ion Ratio Lower Upper

94 100

96 96.0 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

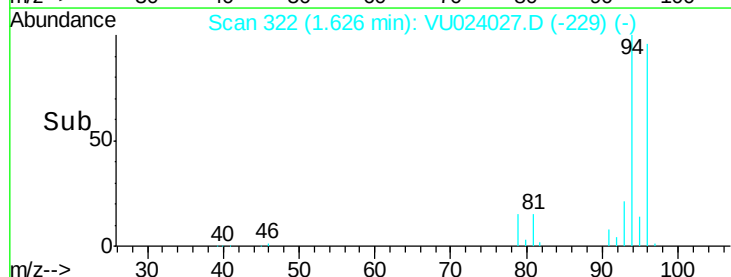
30000

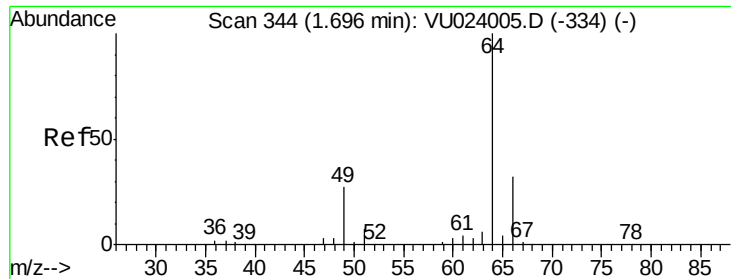
20000

10000

0

Time-->





#8

Chloroethane

Concen: 43.93 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024027.D

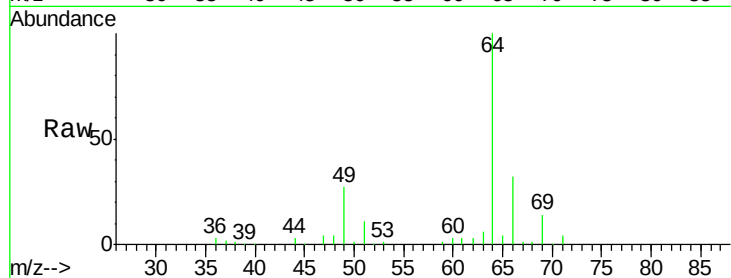
Acq: 22 May 2018 20:19

Tgt Ion: 64 Resp: 88969

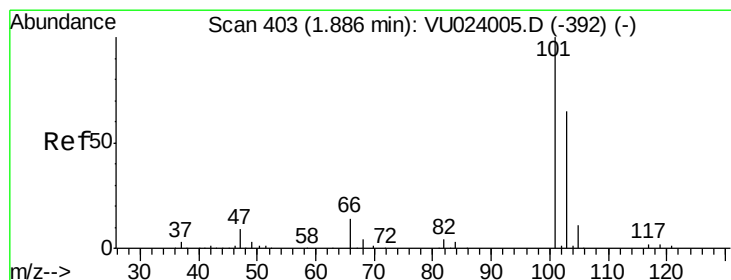
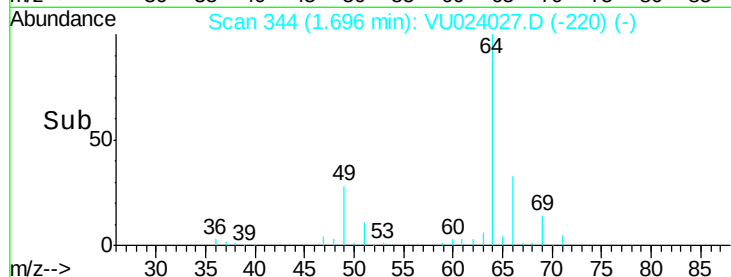
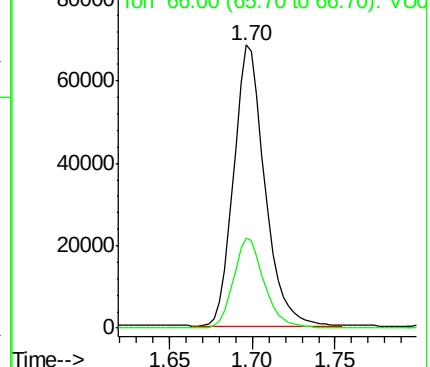
Ion Ratio Lower Upper

64 100

66 32.0 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VU024027.D (-220) (-)



#9

Trichlorofluoromethane

Concen: 43.49 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU024027.D

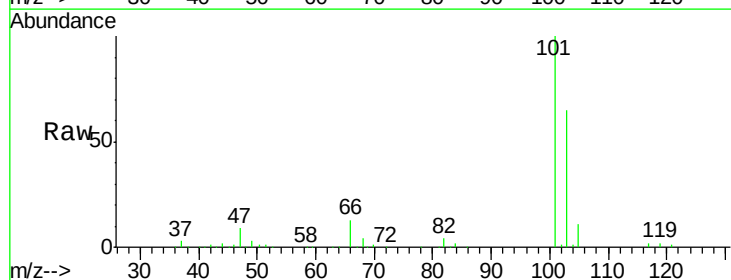
Acq: 22 May 2018 20:19

Tgt Ion: 101 Resp: 175423

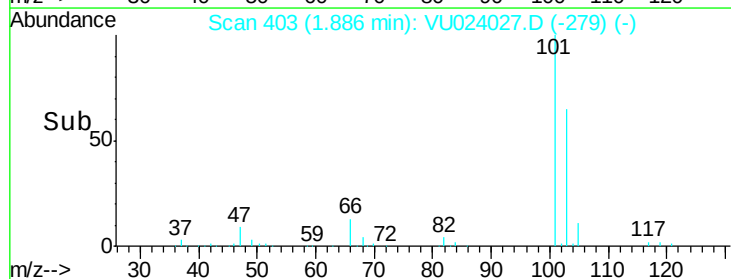
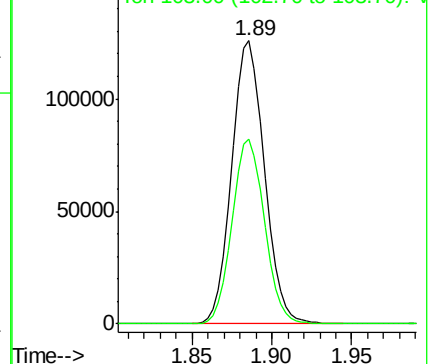
Ion Ratio Lower Upper

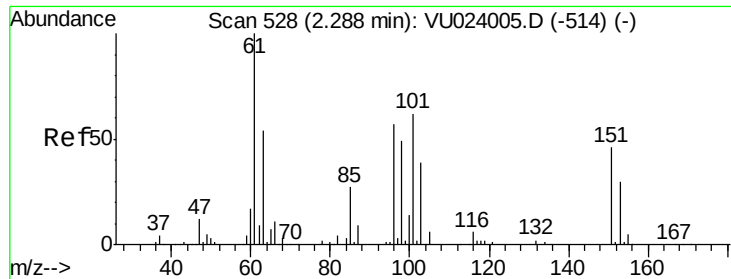
101 100

103 64.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU024027.D (-279) (-)





#10

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

Concen: 43.59 ug/L

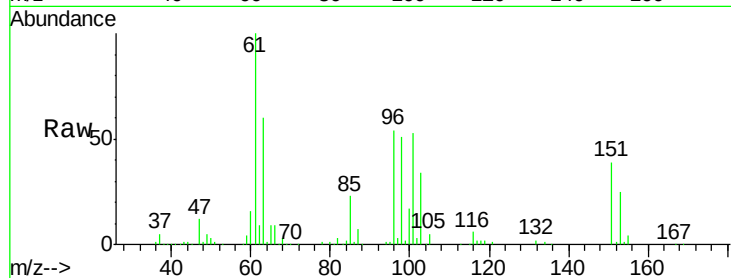
RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

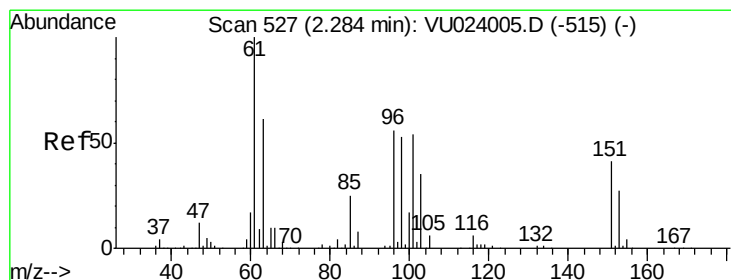
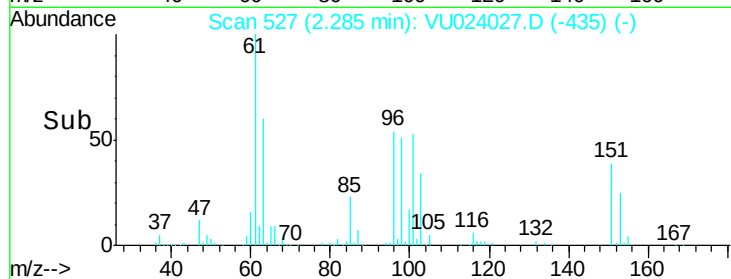
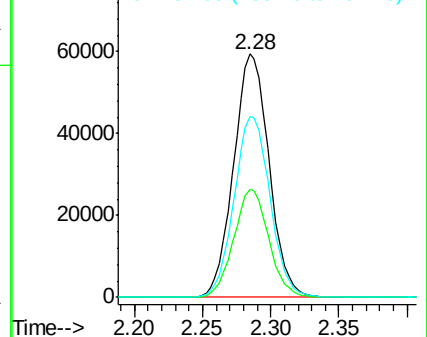
Tgt Ion:	101	Resp:	107319
Ion	Ratio	Lower	Upper
101	100		
85	43.8	34.3	51.5
151	75.1	61.0	91.4



Abundance Ion 101.00 (100.70 to 101.70): VU024027.D (-435) (-)

Ion 85.00 (84.70 to 85.70): VU024027.D (-435) (-)

Ion 151.00 (150.70 to 151.70): VU024027.D (-435) (-)



#12

1,1-Dichloroethene

Concen: 44.37 ug/L

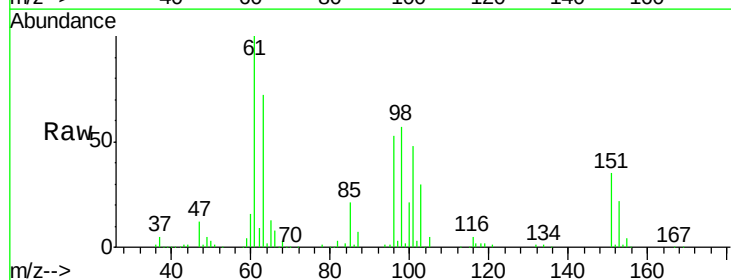
RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

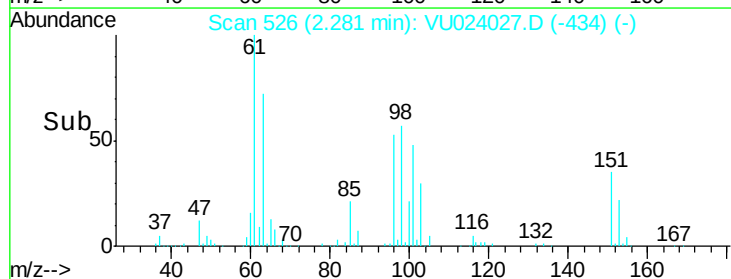
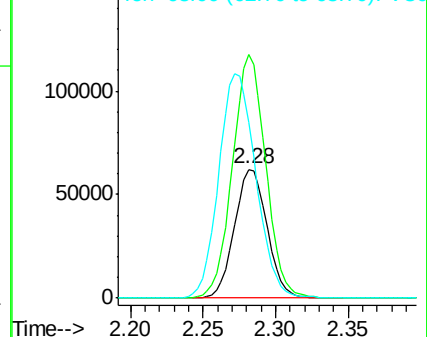
Tgt Ion:	96	Resp:	97119
Ion	Ratio	Lower	Upper
96	100		
61	189.6	129.5	240.5
63	136.7	106.9	198.5

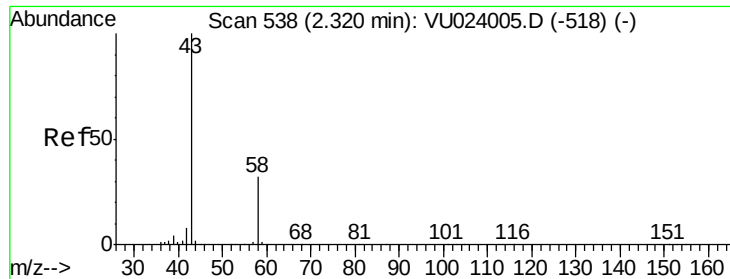


Abundance Ion 96.00 (95.70 to 96.70): VU024027.D (-434) (-)

Ion 61.00 (60.70 to 61.70): VU024027.D (-434) (-)

Ion 63.00 (62.70 to 63.70): VU024027.D (-434) (-)





#13

Acetone

Concen: 87.54 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024027.D

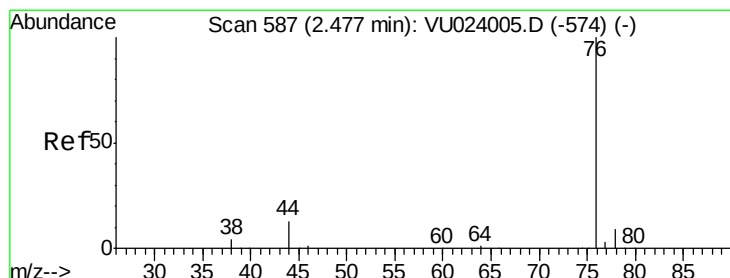
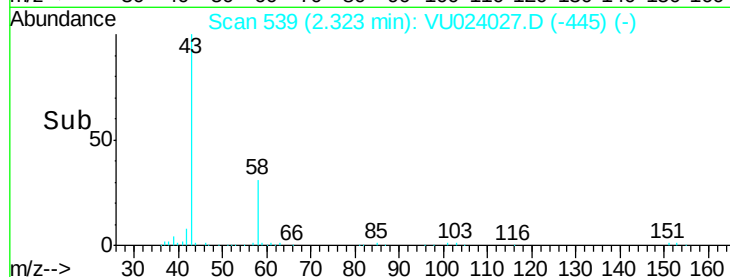
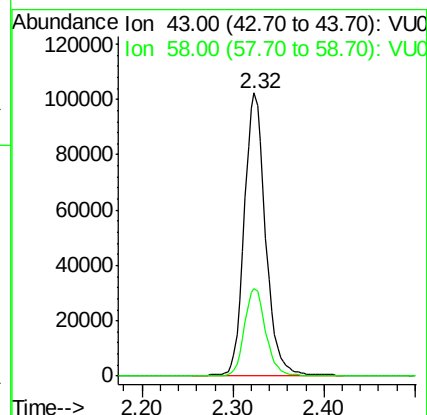
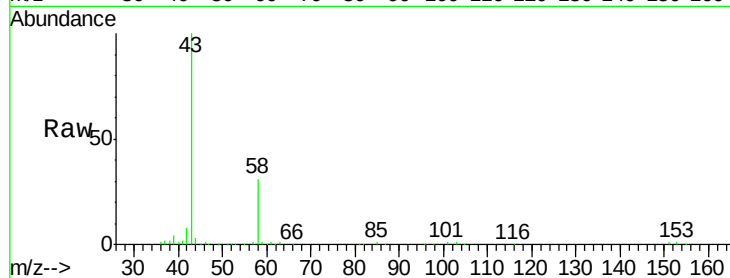
Acq: 22 May 2018 20:19

Tgt Ion: 43 Resp: 167109

Ion Ratio Lower Upper

43 100

58 31.2 0.0 65.6



#14

Carbon disulfide

Concen: 45.71 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU024027.D

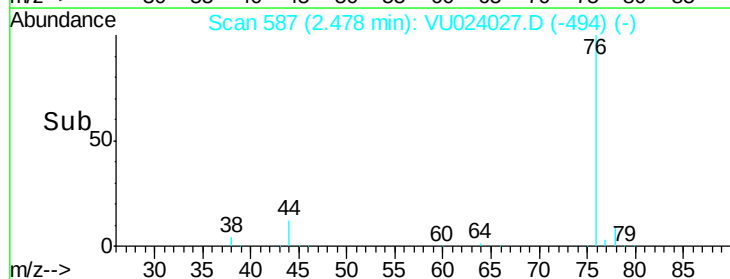
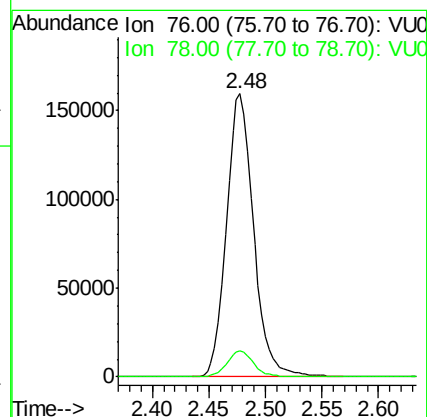
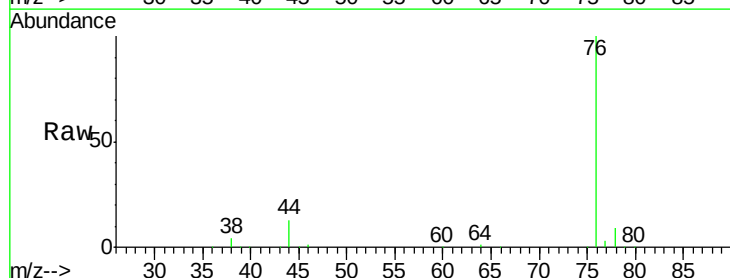
Acq: 22 May 2018 20:19

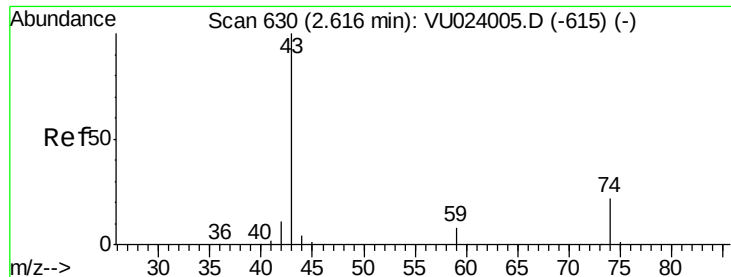
Tgt Ion: 76 Resp: 266711

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 51.05 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU024027.D

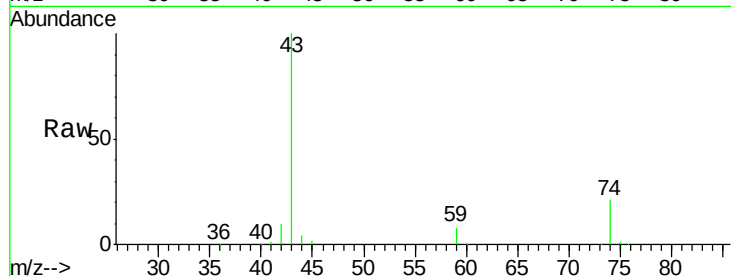
Acq: 22 May 2018 20:19

Tgt Ion: 43 Resp: 163457

Ion Ratio Lower Upper

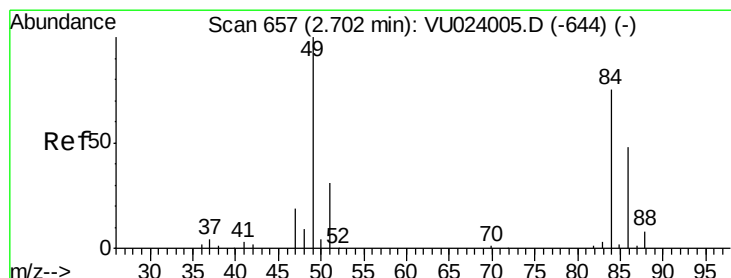
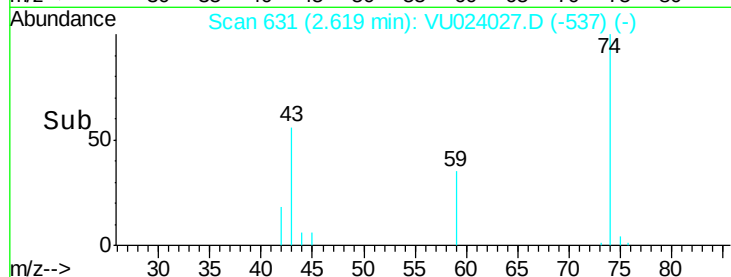
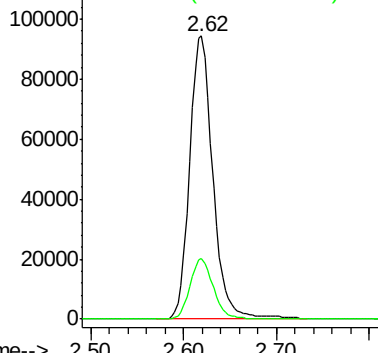
43 100

74 21.4 17.8 26.6



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: VU024027.D

Acq: 22 May 2018 20:19

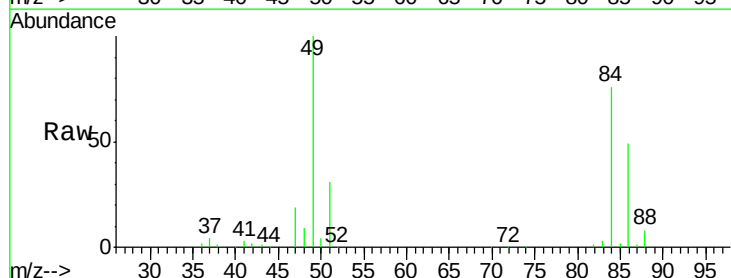
Tgt Ion: 84 Resp: 125503

Ion Ratio Lower Upper

84 100

86 63.9 44.6 82.8

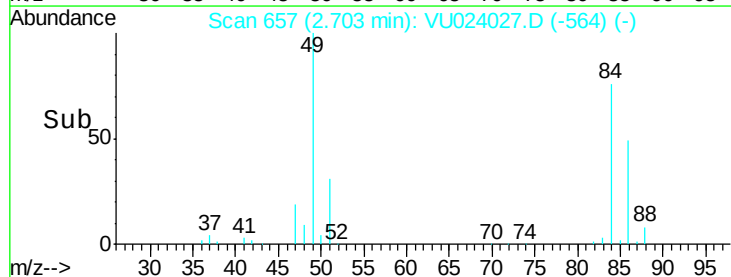
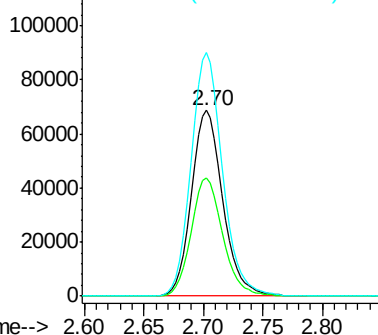
49 131.3 87.6 162.6

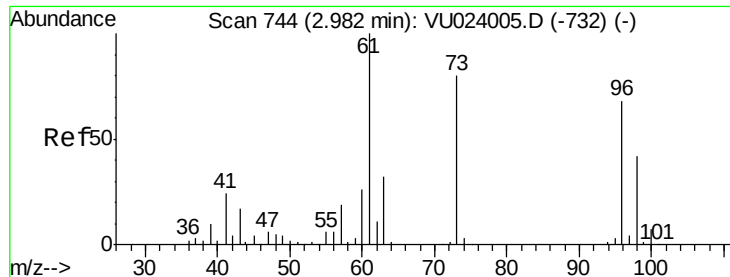


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 47.90 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

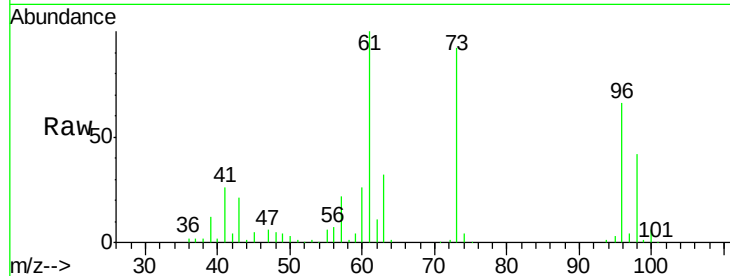
Tgt Ion: 96 Resp: 103403

Ion Ratio Lower Upper

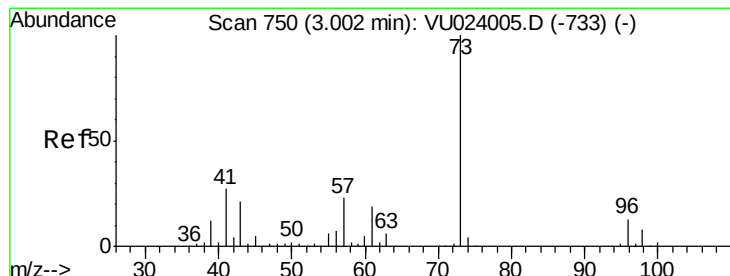
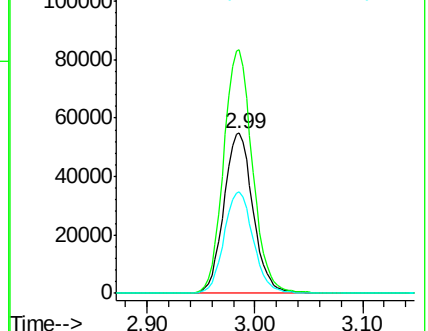
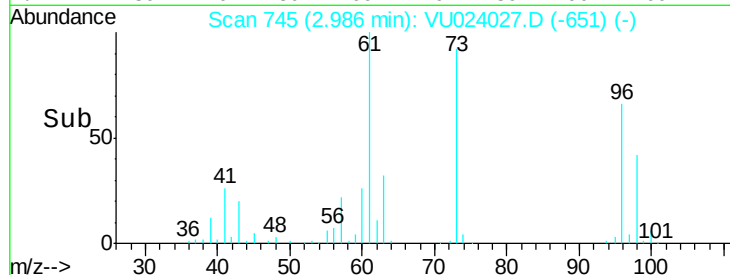
96 100

61 152.3 104.4 194.0

98 63.7 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: 50.49 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

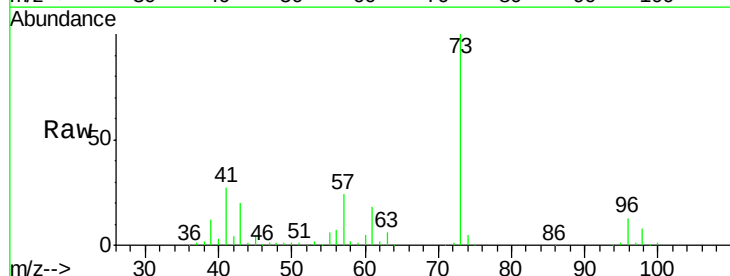
Tgt Ion: 73 Resp: 349909

Ion Ratio Lower Upper

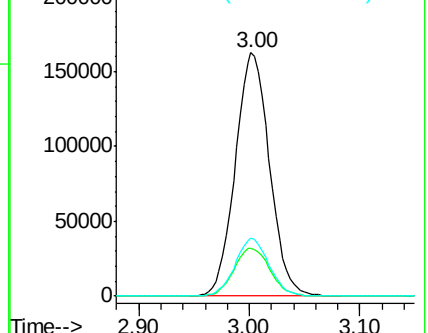
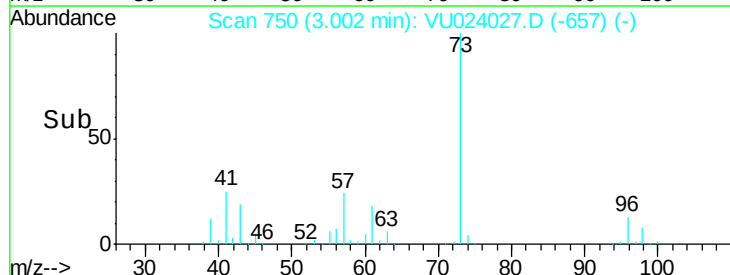
73 100

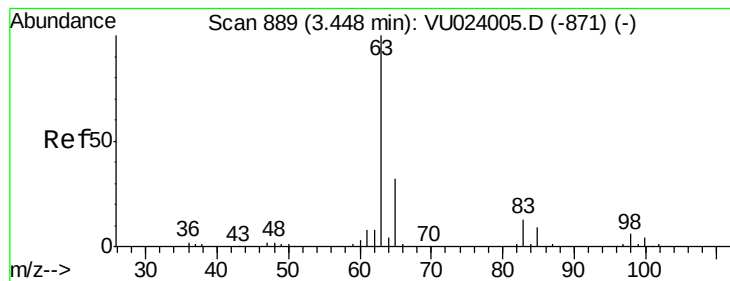
43 20.8 15.5 23.3

57 23.5 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: 49.73 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

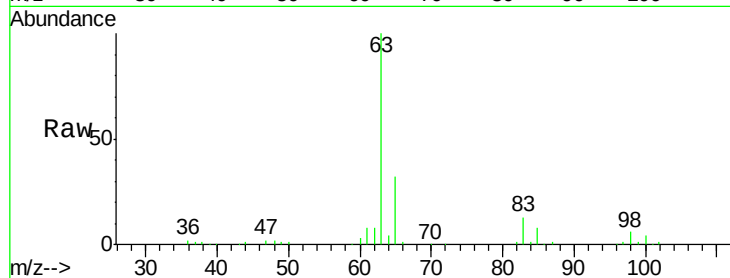
Tgt Ion: 63 Resp: 228210

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.9

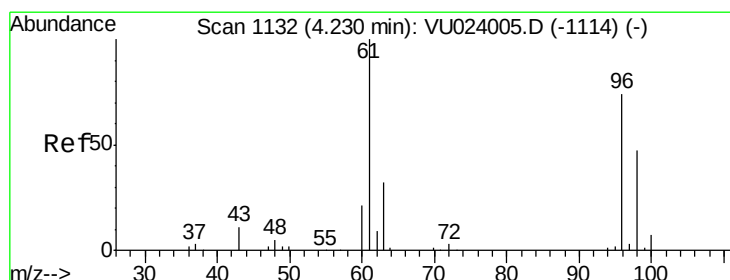
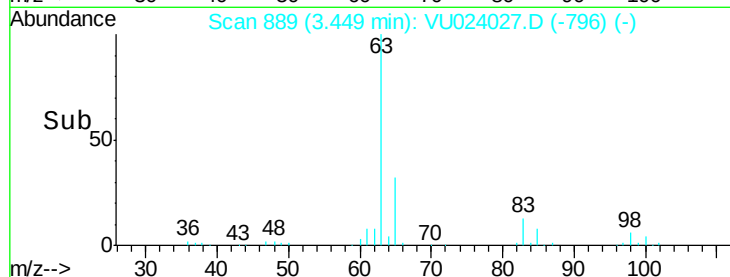
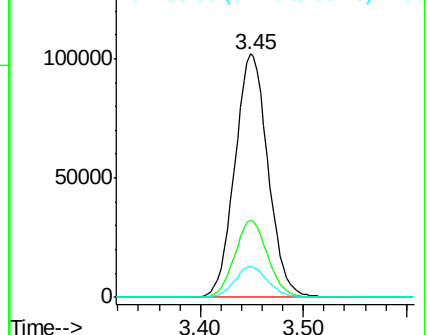
83 12.6 8.8 16.4



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: 48.87 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

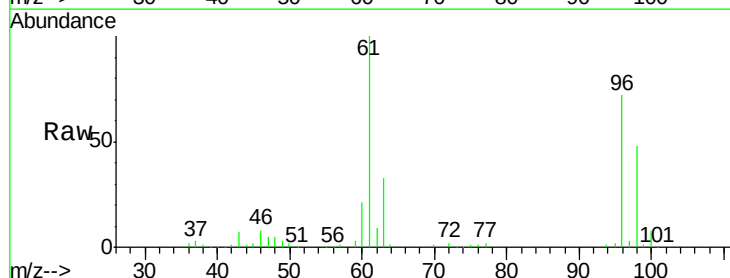
Tgt Ion: 96 Resp: 123201

Ion Ratio Lower Upper

96 100

61 138.5 93.3 173.3

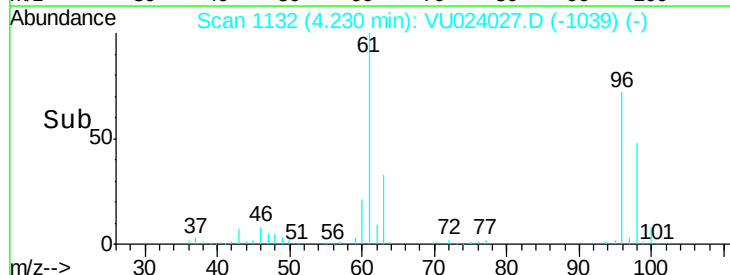
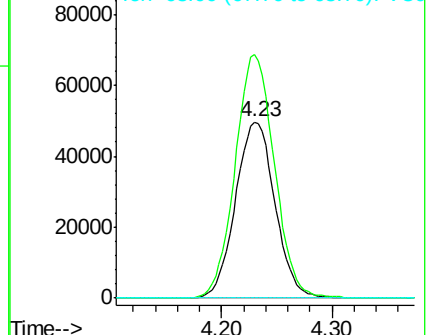
68 0.0 0.0 0.0

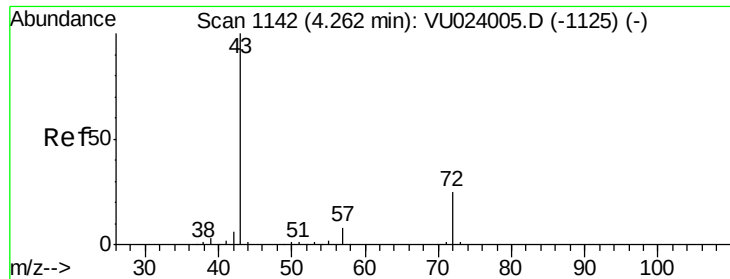


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 102.93 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU024027.D

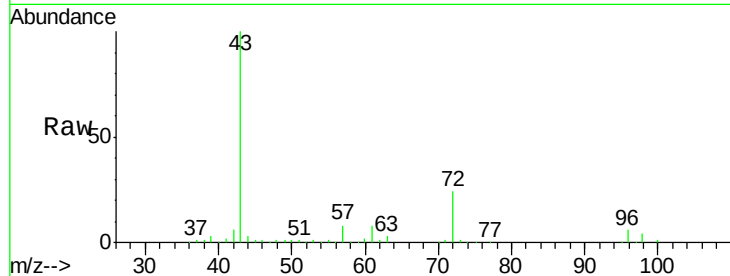
Acq: 22 May 2018 20:19

Tgt Ion: 43 Resp: 239131

Ion Ratio Lower Upper

43 100

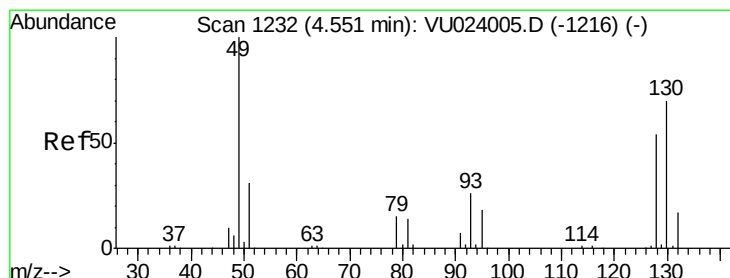
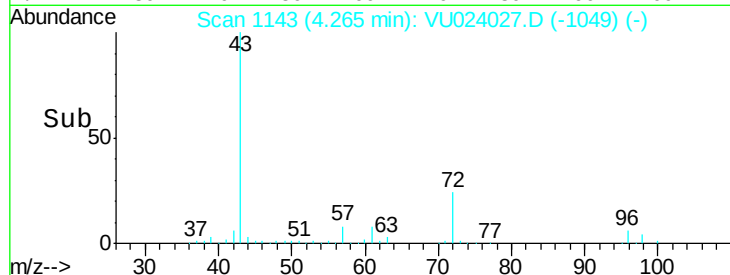
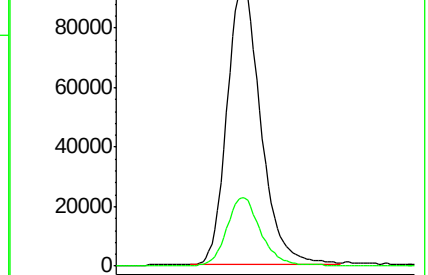
72 24.9 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VU024027.D (-1143) (-)

Ion 72.00 (71.70 to 72.70): VU024027.D (-1143) (-)

4.27



#23

Bromochloromethane

Concen: 47.94 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

Tgt Ion: 128 Resp: 62610

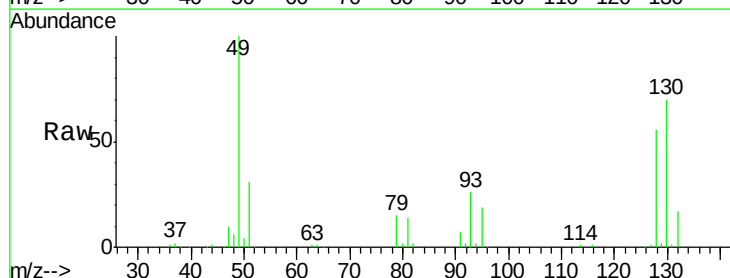
Ion Ratio Lower Upper

128 100

49 177.1 117.6 218.4

130 124.7 93.4 173.6

51 54.9 42.6 64.0

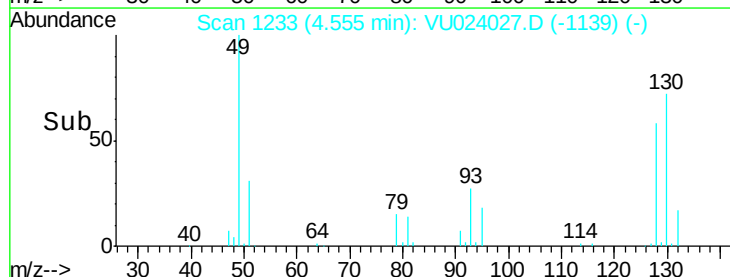
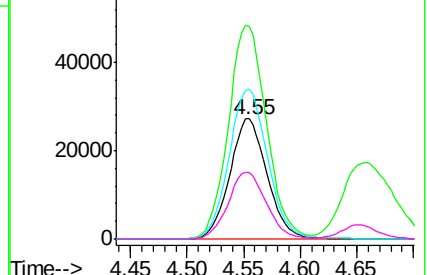


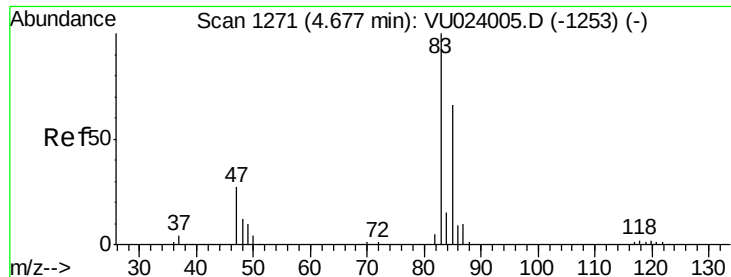
Abundance Ion 128.00 (127.70 to 128.70): VU024027.D (-1233) (-)

Ion 49.00 (48.70 to 49.70): VU024027.D (-1233) (-)

Ion 130.00 (129.70 to 130.70): VU024027.D (-1233) (-)

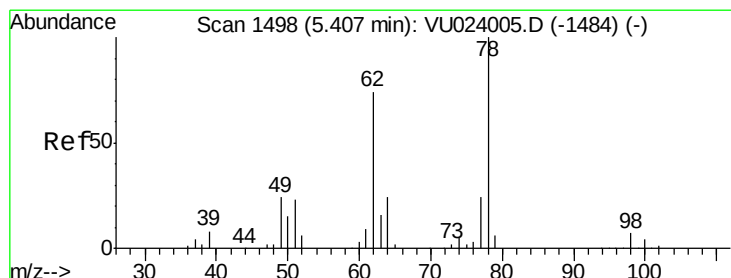
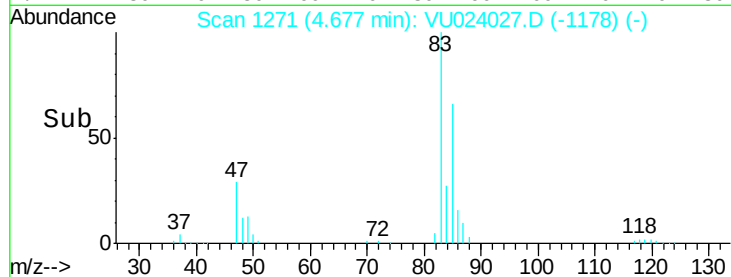
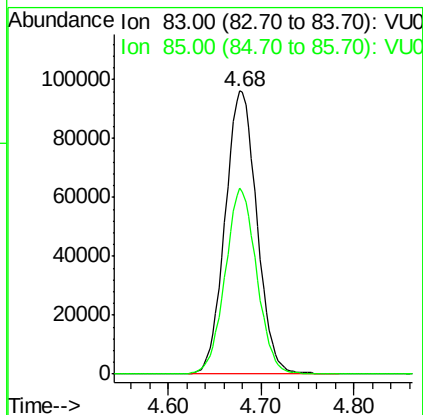
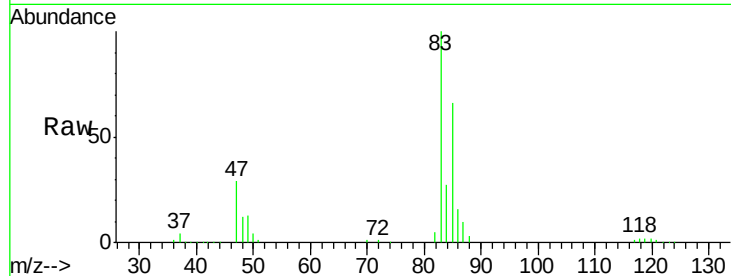
Ion 51.00 (50.70 to 51.70): VU024027.D (-1233) (-)





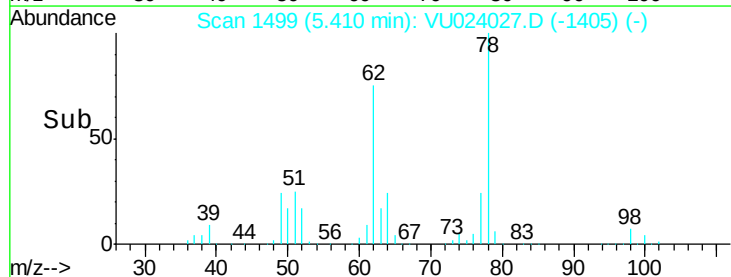
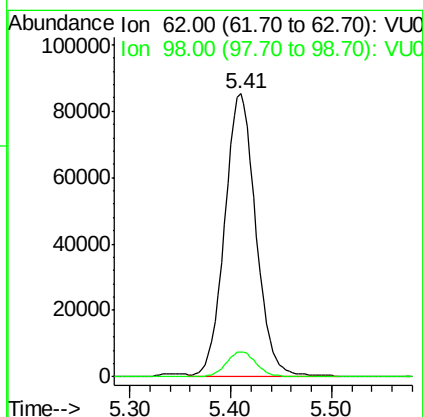
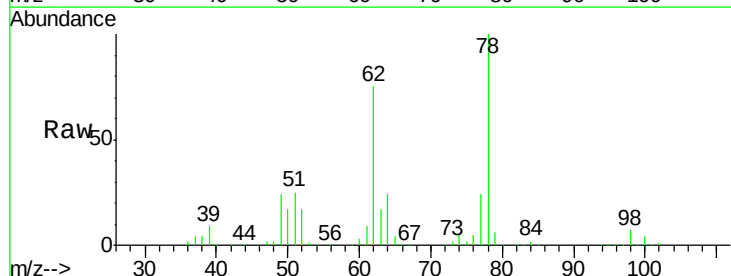
#25
Chloroform
Concen: 49.37 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU024027.D
Acq: 22 May 2018 20:19

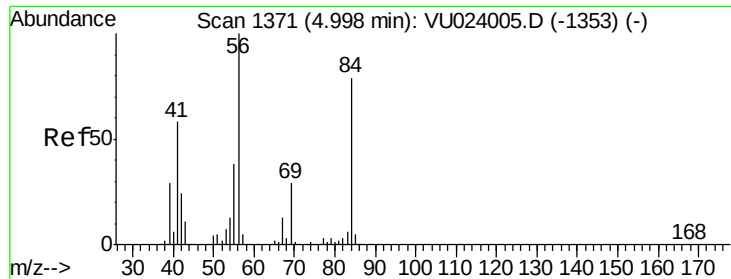
Tgt Ion: 83 Resp: 228943
Ion Ratio Lower Upper
83 100
85 65.6 44.4 82.5



#27
1,2-Dichloroethane
Concen: 51.88 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024027.D
Acq: 22 May 2018 20:19

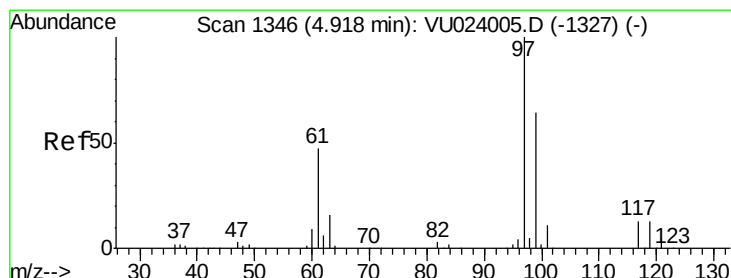
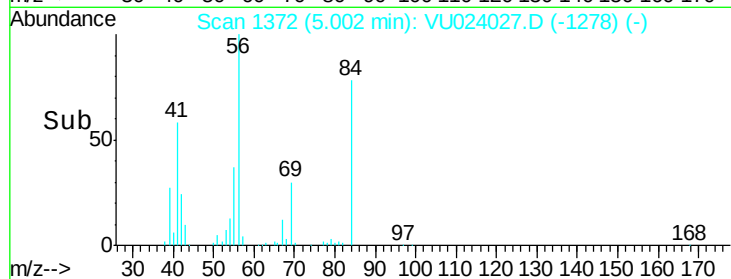
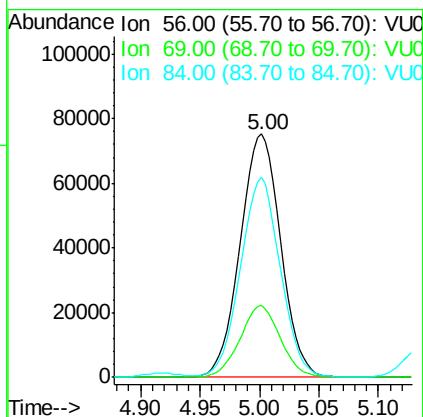
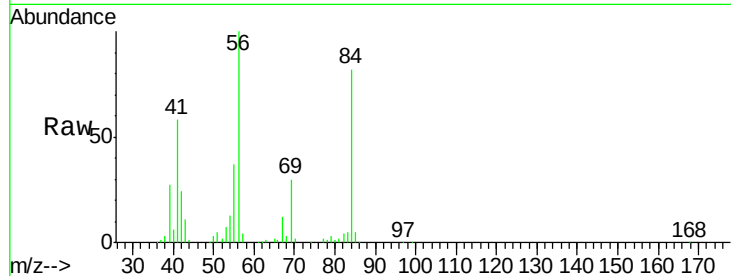
Tgt Ion: 62 Resp: 182943
Ion Ratio Lower Upper
62 100
98 9.0 7.5 11.3





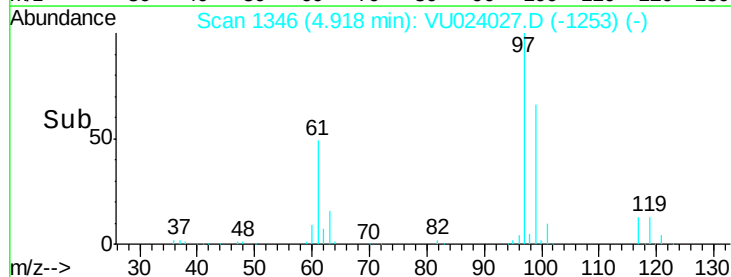
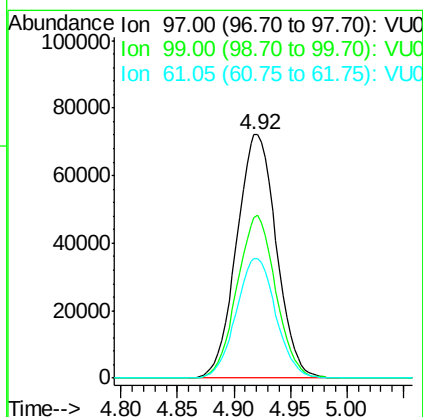
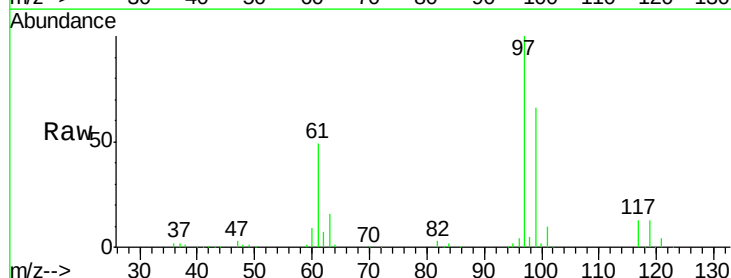
#29
Cyclohexane
Concen: 51.68 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024027.D
Acq: 22 May 2018 20:19

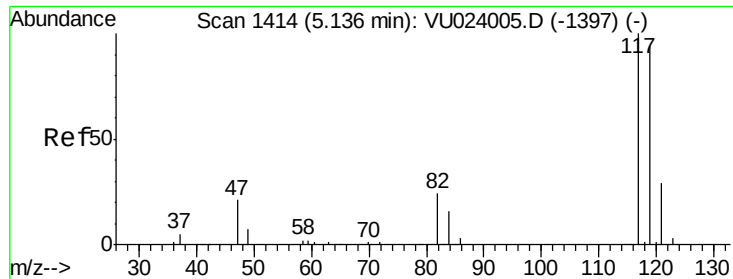
Tgt Ion: 56 Resp: 177783
Ion Ratio Lower Upper
56 100
69 29.3 23.6 35.4
84 80.8 65.8 98.6



#30
1,1,1-Trichloroethane
Concen: 49.37 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU024027.D
Acq: 22 May 2018 20:19

Tgt Ion: 97 Resp: 176598
Ion Ratio Lower Upper
97 100
99 65.2 52.0 78.0
61 48.9 37.6 56.4





#31

Carbon tetrachloride

Concen: 48.24 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU024027.D

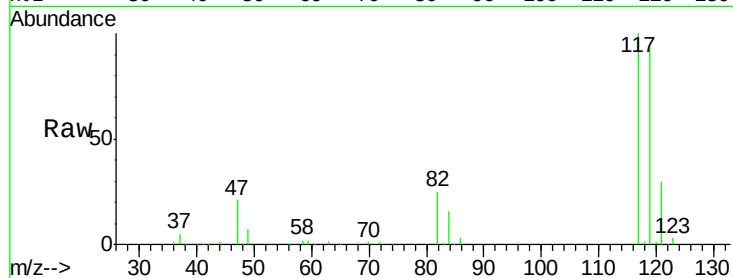
Acq: 22 May 2018 20:19

Tgt Ion: 117 Resp: 148731

Ion Ratio Lower Upper

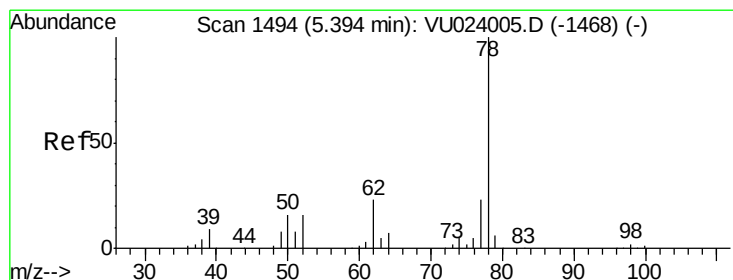
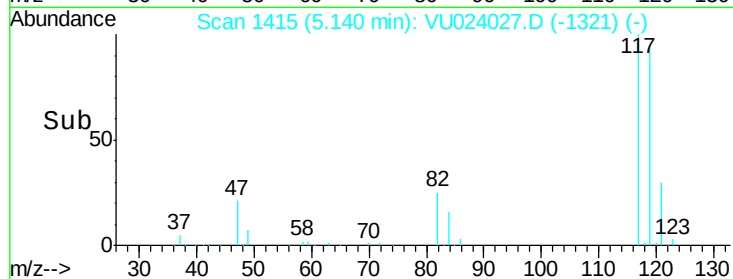
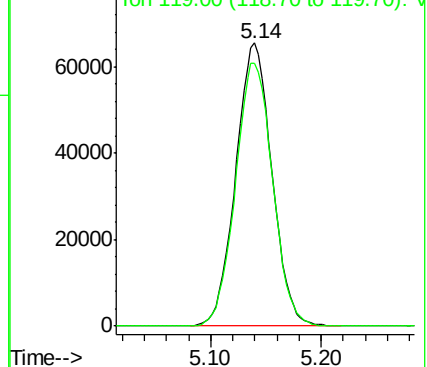
117 100

119 95.4 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: 50.79 ug/L

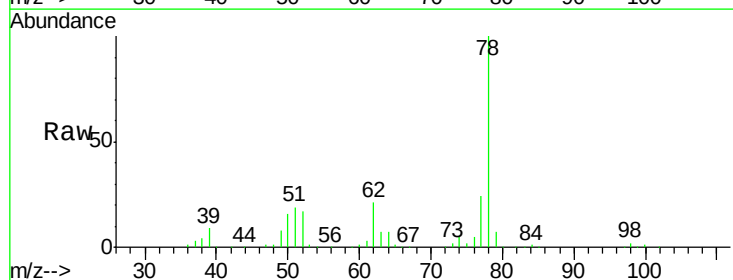
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

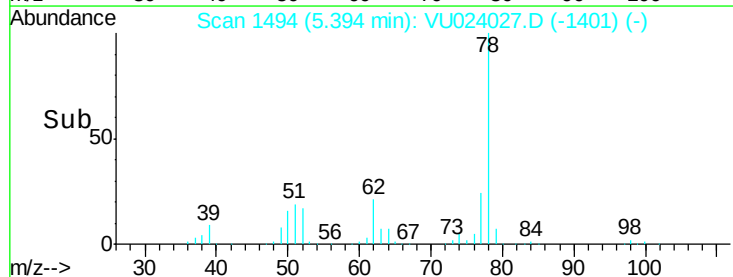
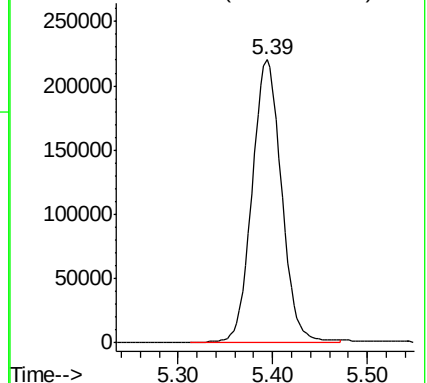
Lab File: VU024027.D

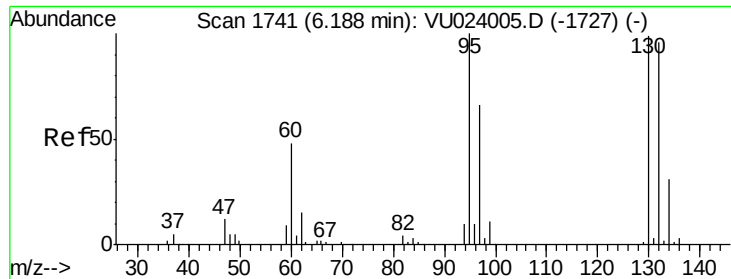
Acq: 22 May 2018 20:19

Tgt Ion: 78 Resp: 478641



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.90 ug/L

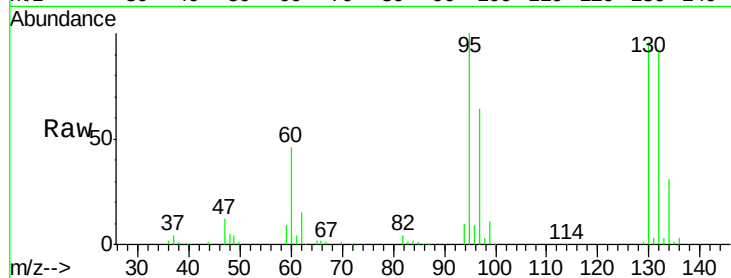
RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

Tgt Ion:	95	Resp:	119950
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.4	84.2
132	92.0	69.0	128.1
130	95.5	71.7	133.1

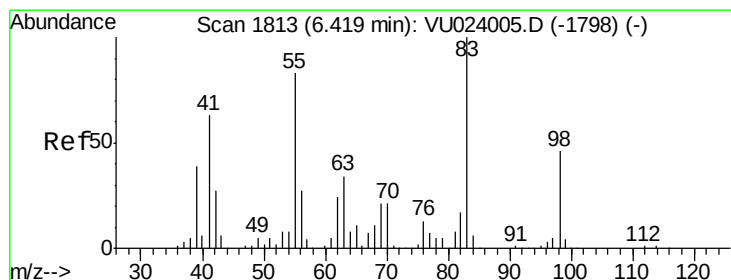
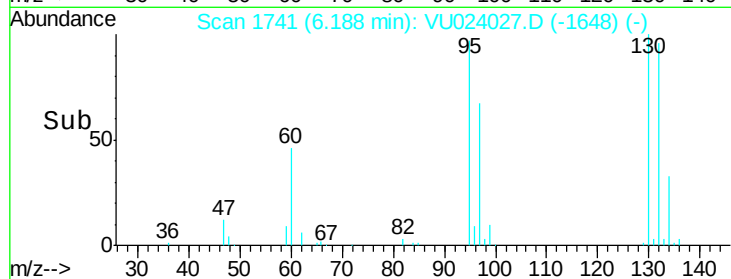
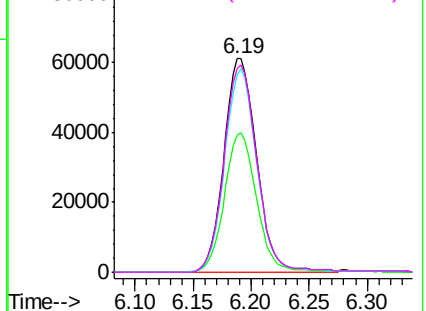


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.54 ug/L

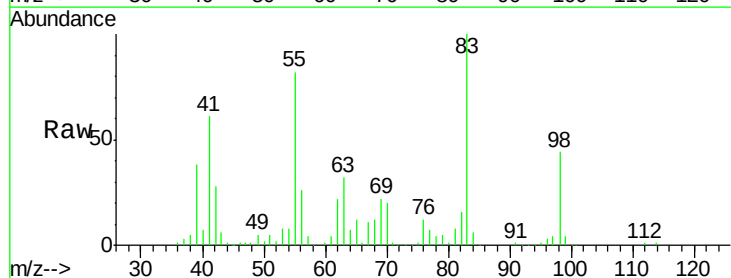
RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

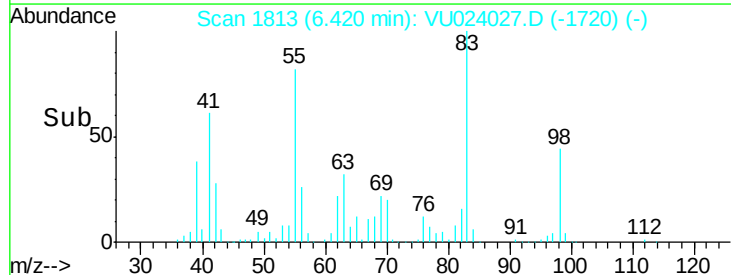
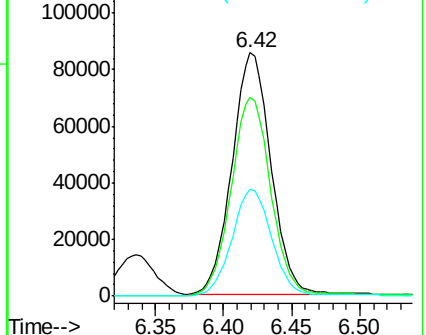
Tgt Ion:	83	Resp:	168982
Ion	Ratio	Lower	Upper
83	100		
55	83.8	67.2	100.8
98	45.5	36.6	54.8

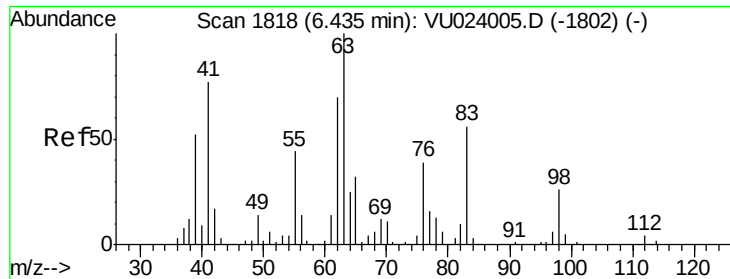


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 50.44 ug/L

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU024027.D

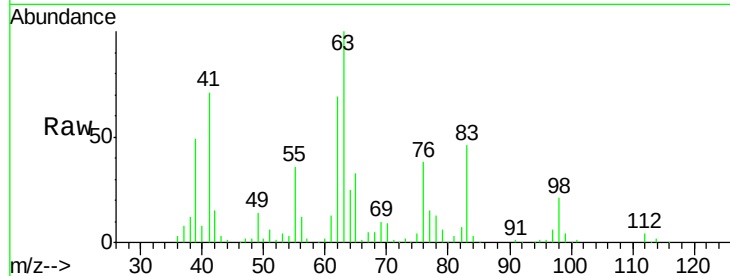
Acq: 22 May 2018 20:19

Tgt Ion: 63 Resp: 140649

Ion Ratio Lower Upper

63 100

112 3.8 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

80000

60000

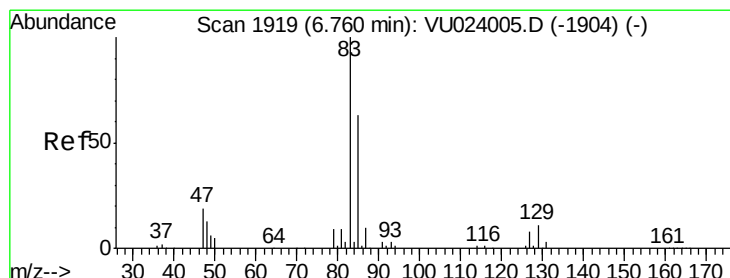
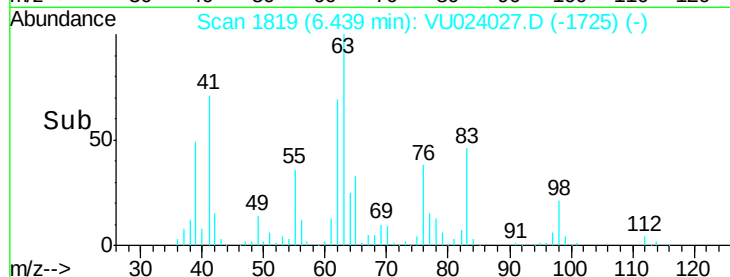
40000

20000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 50.91 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

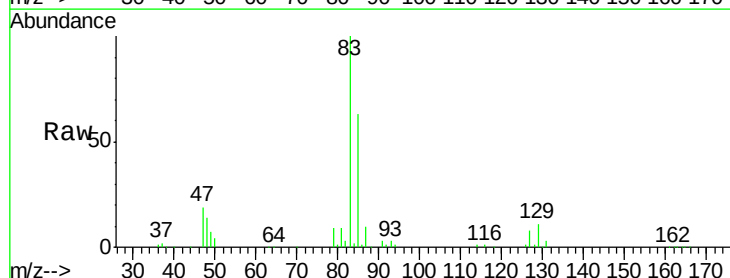
Tgt Ion: 83 Resp: 168244

Ion Ratio Lower Upper

83 100

85 63.0 45.8 85.0

127 8.4 6.6 10.0



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

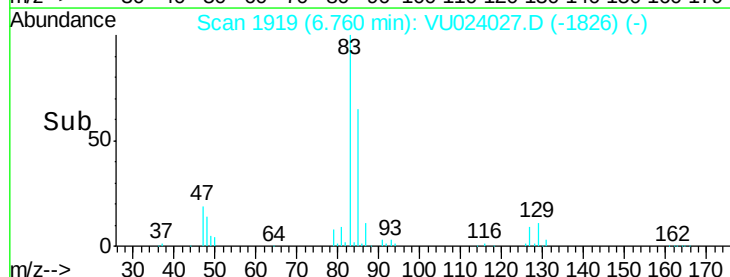
40000

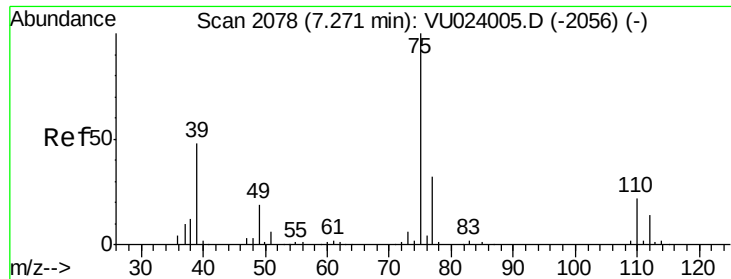
20000

0

6.65 6.70 6.75 6.80 6.85

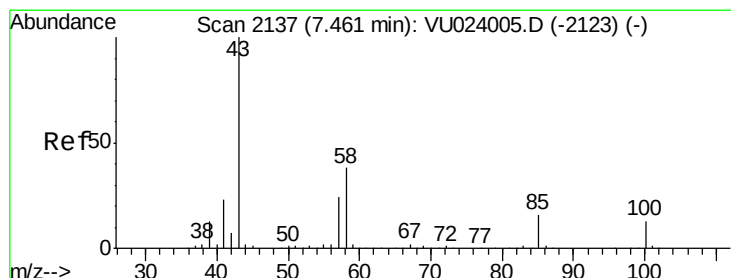
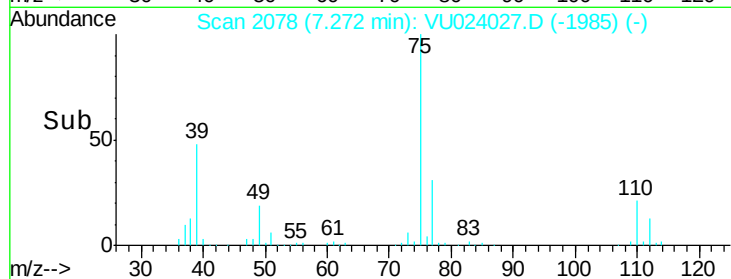
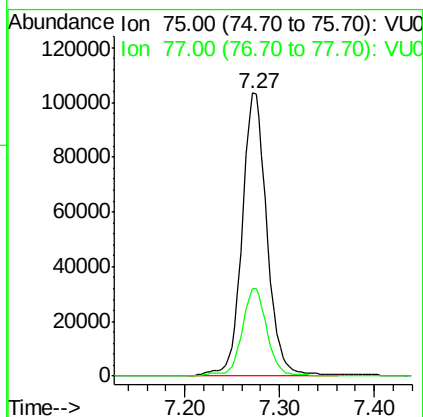
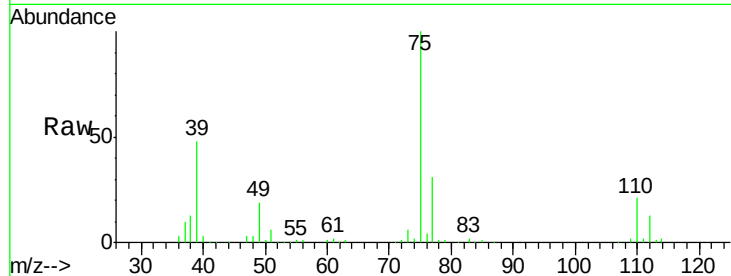
Time-->





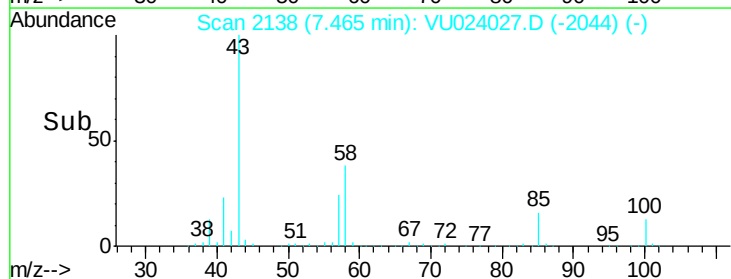
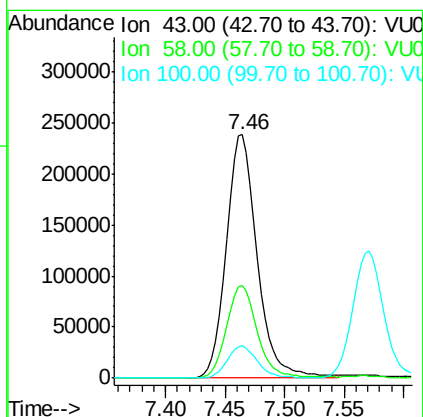
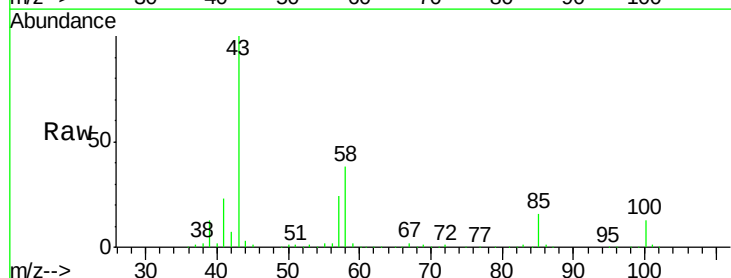
#39
 cis-1,3-Dichloropropene
 Concen: 51.34 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU024027.D
 Acq: 22 May 2018 20:19

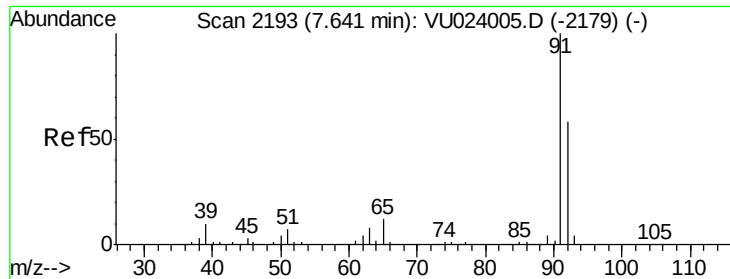
Tgt Ion: 75 Resp: 188969
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 109.42 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU024027.D
 Acq: 22 May 2018 20:19

Tgt Ion: 43 Resp: 429902
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.4 47.2
 100 13.0 11.2 16.8





#42

Toluene

Concen: 52.15 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024027.D

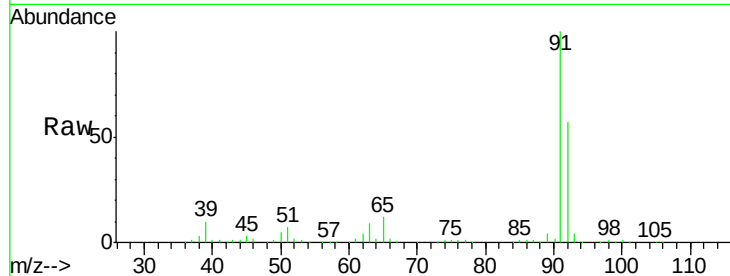
Acq: 22 May 2018 20:19

Tgt Ion: 91 Resp: 512146

Ion Ratio Lower Upper

91 100

92 56.6 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU024005.D (-2179) (-)

Ion 92.00 (91.70 to 92.70): VU024005.D (-2179) (-)

7.64

300000

250000

200000

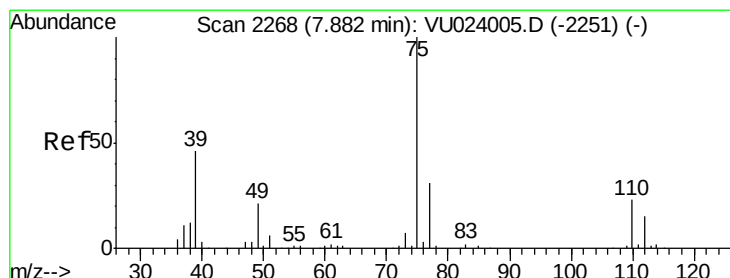
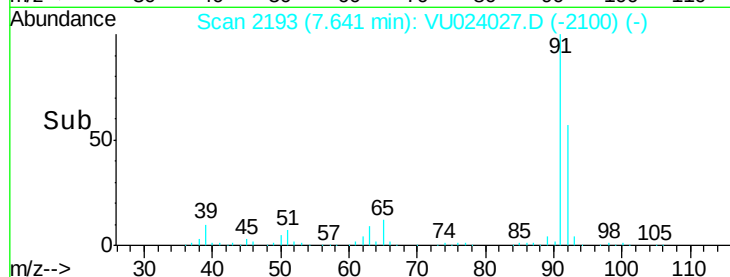
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#44

trans-1,3-Dichloropropene

Concen: 51.51 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024027.D

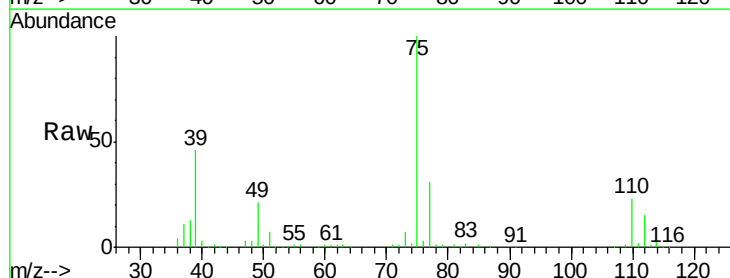
Acq: 22 May 2018 20:19

Tgt Ion: 75 Resp: 174603

Ion Ratio Lower Upper

75 100

77 30.7 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU024005.D (-2251) (-)

Ion 77.00 (76.70 to 77.70): VU024005.D (-2251) (-)

7.88

120000

100000

80000

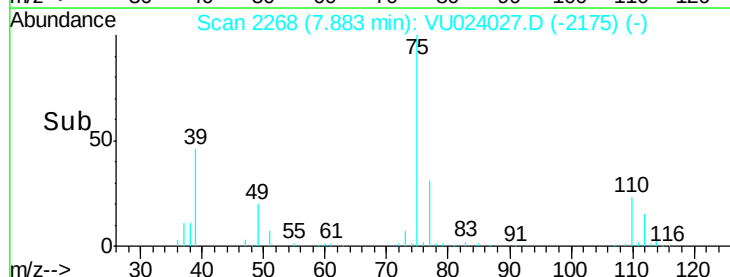
60000

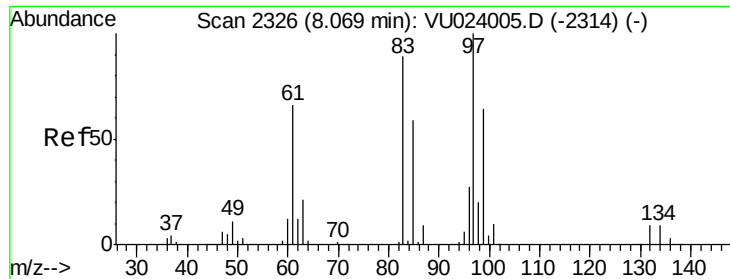
40000

20000

0

Time--> 7.80 7.90 8.00





#45

1,1,2-Trichloroethane

Concen: 49.82 ug/L

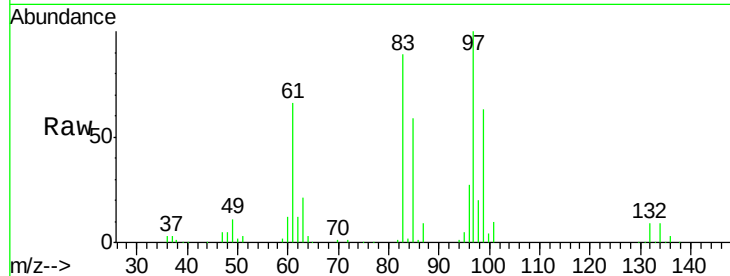
RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

Tgt Ion:	97	Resp:	124797
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.3	80.3
83	89.3	61.9	114.9
85	59.0	39.8	74.0

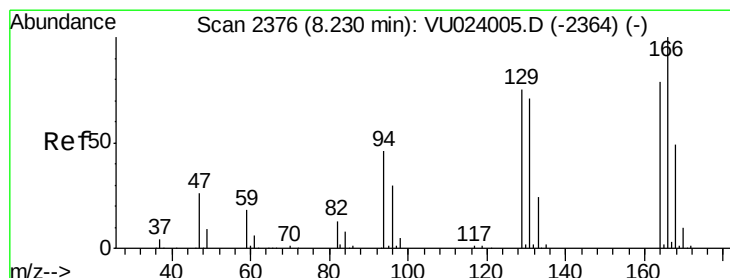
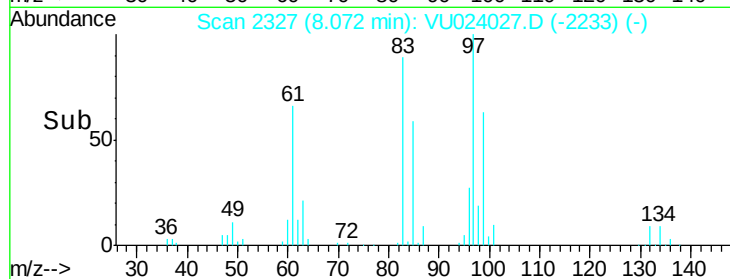
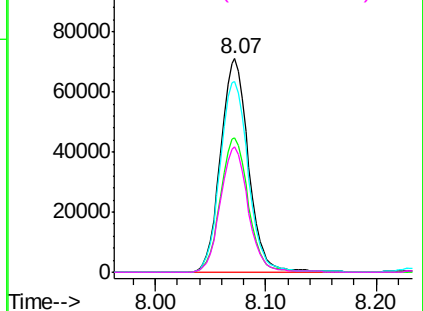


Abundance Ion 97.00 (96.70 to 97.70): VU024005.D (-2314) (-)

Ion 99.00 (98.70 to 99.70): VU024005.D (-2314) (-)

Ion 83.00 (82.70 to 83.70): VU024005.D (-2314) (-)

Ion 85.00 (84.70 to 85.70): VU024005.D (-2314) (-)



#46

Tetrachloroethene

Concen: 46.37 ug/L

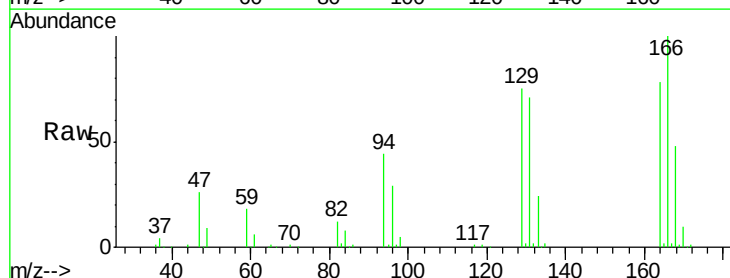
RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

Tgt Ion:	164	Resp:	91128
Ion	Ratio	Lower	Upper
164	100		
129	96.3	65.3	121.3
131	91.0	63.0	117.0
166	128.6	87.4	162.2

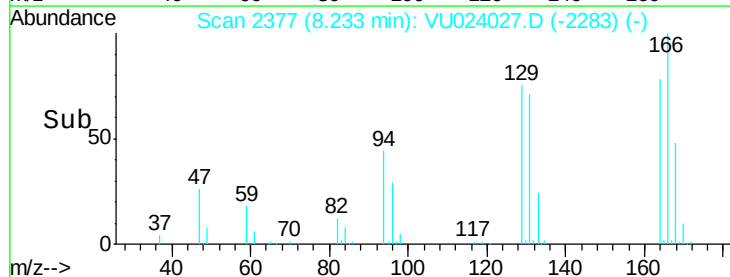
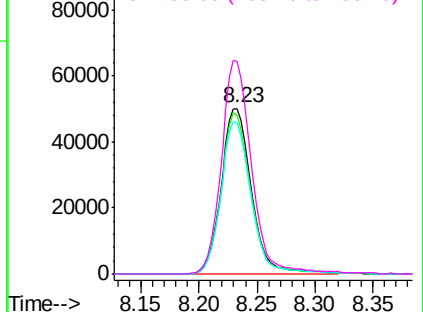


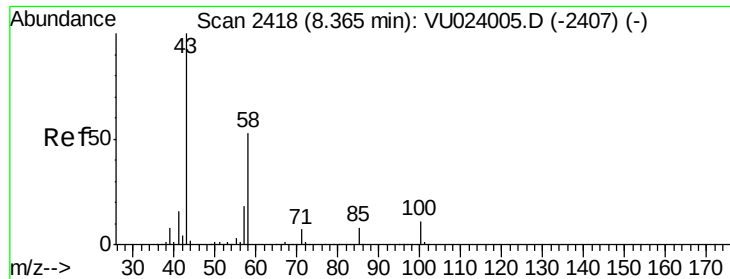
Abundance Ion 164.00 (163.70 to 164.70): VU024005.D (-2364) (-)

Ion 129.00 (128.70 to 129.70): VU024005.D (-2364) (-)

Ion 131.00 (130.70 to 131.70): VU024005.D (-2364) (-)

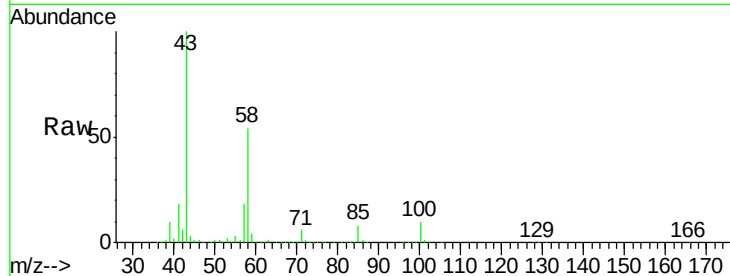
Ion 166.00 (165.70 to 166.70): VU024005.D (-2364) (-)



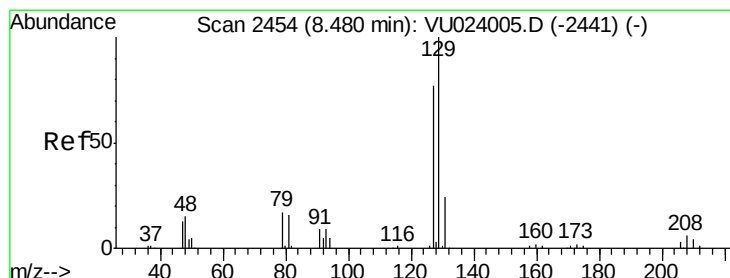
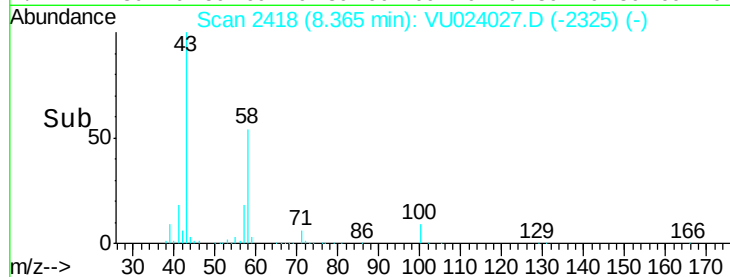
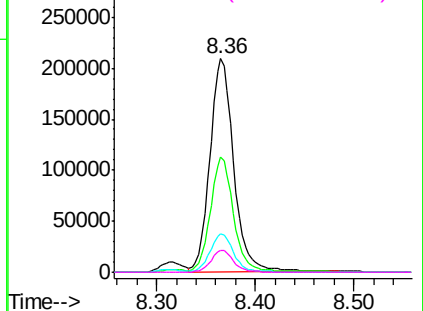


#48
 2-Hexanone
 Concen: 109.95 ug/L
 RT: 8.36 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: VU024027.D
 Acq: 22 May 2018 20:19

Tgt Ion:	43	Resp:	350812
Ion	Ratio	Lower	Upper
43	100		
58	52.1	42.6	63.8
57	17.9	14.9	22.3
100	9.9	8.5	12.7

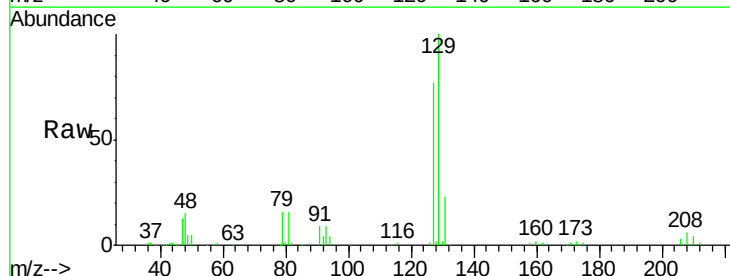


Abundance Ion 43.00 (42.70 to 43.70): VU024005.D (-2407) (-)
 Ion 58.00 (57.70 to 58.70): VU024005.D (-2407) (-)
 Ion 57.00 (56.70 to 57.70): VU024005.D (-2407) (-)
 Ion 100.00 (99.70 to 100.70): VU024005.D (-2407) (-)

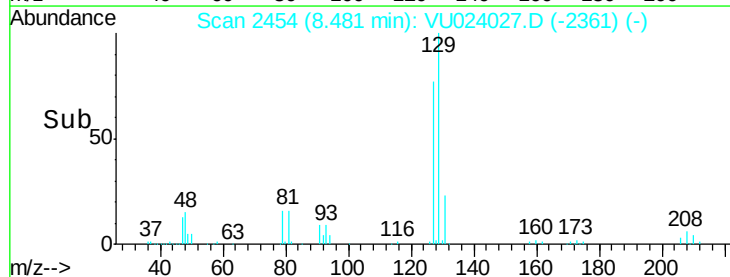
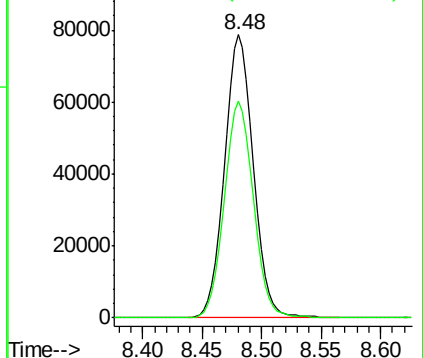


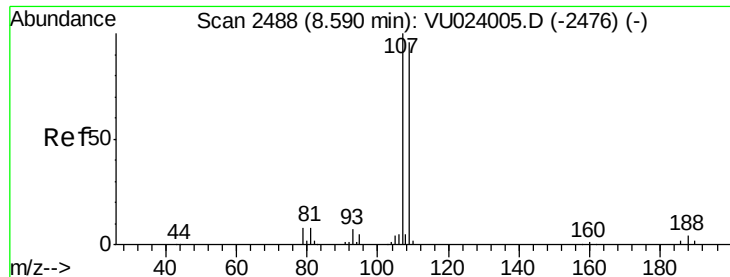
#49
 Dibromochloromethane
 Concen: 49.52 ug/L
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU024027.D
 Acq: 22 May 2018 20:19

Tgt Ion:	129	Resp:	131885
Ion	Ratio	Lower	Upper
129	100		
127	76.6	53.5	99.5



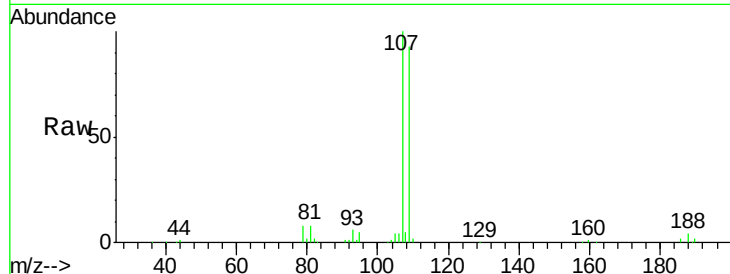
Abundance Ion 129.00 (128.70 to 129.70): VU024005.D (-2441) (-)
 Ion 127.00 (126.70 to 127.70): VU024005.D (-2441) (-)



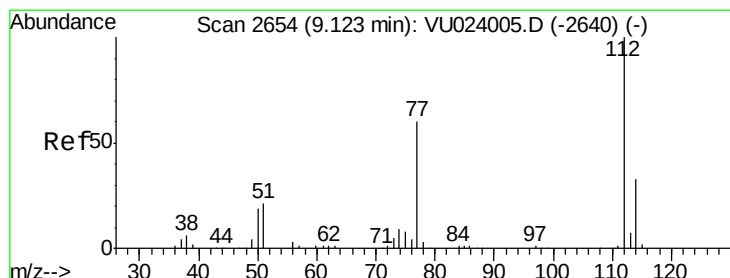
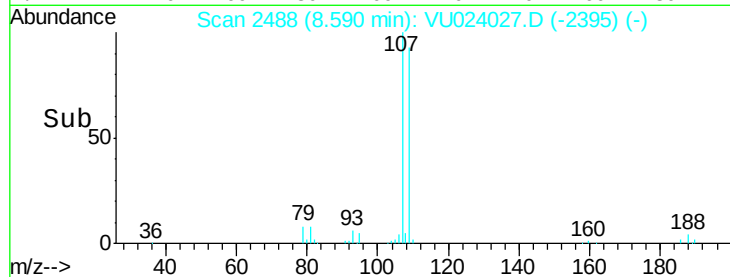
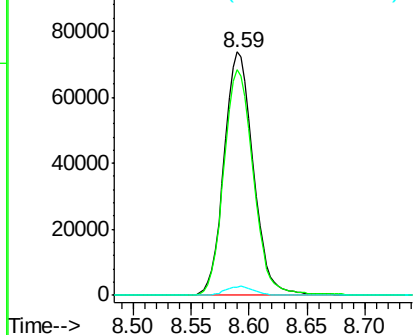


#50
1,2-Dibromoethane
Concen: 50.24 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU024027.D
Acq: 22 May 2018 20:19

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.6	66.3	123.1
188	3.5	3.1	4.7

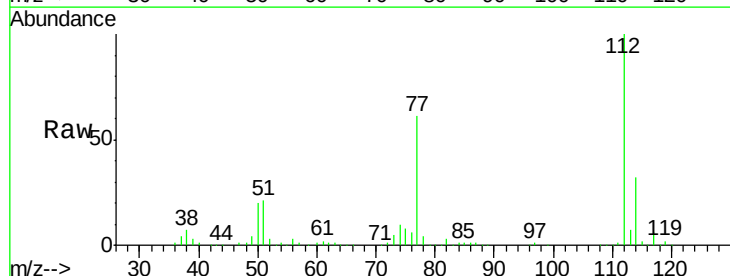


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

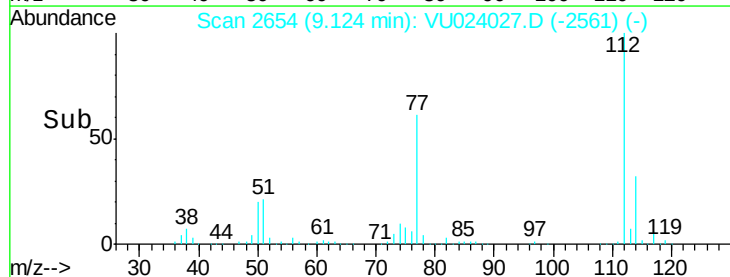
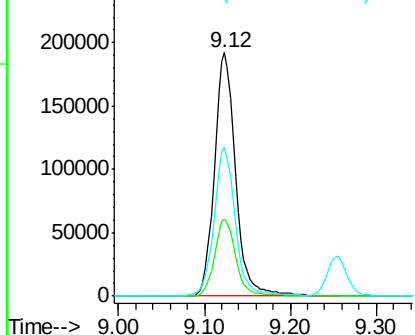


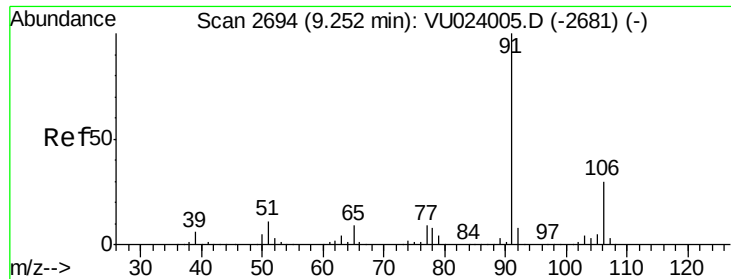
#51
Chlorobenzene
Concen: 49.52 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024027.D
Acq: 22 May 2018 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.7	42.1
77	60.9	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: 51.77 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU024027.D

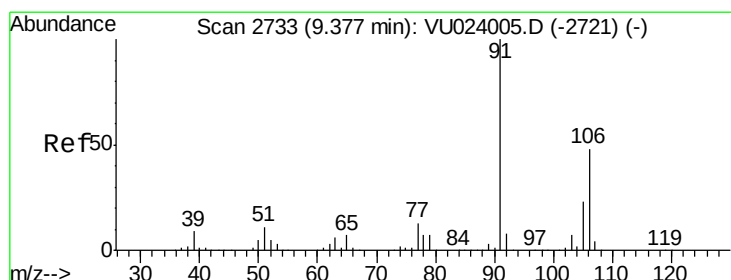
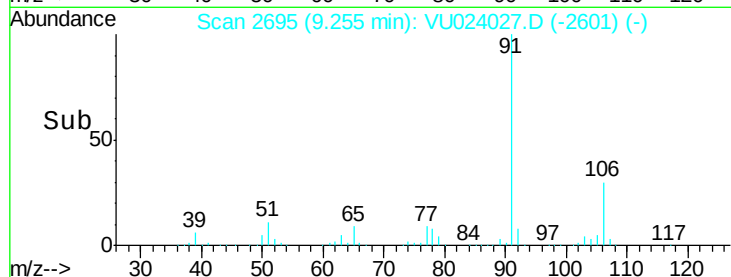
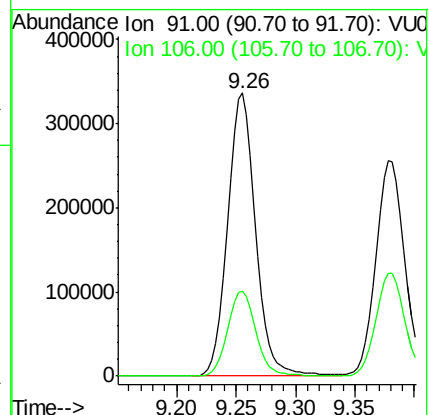
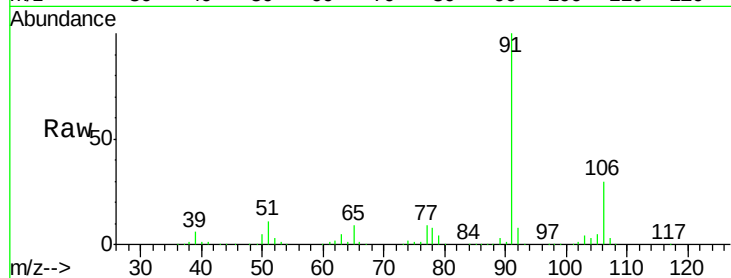
Acq: 22 May 2018 20:19

Tgt Ion: 91 Resp: 548093

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



#53

m,p-Xylene

Concen: 50.86 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024027.D

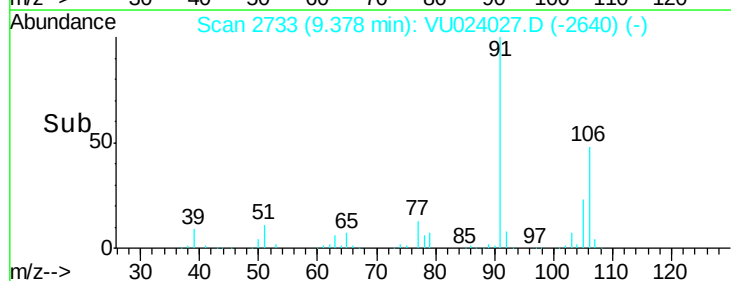
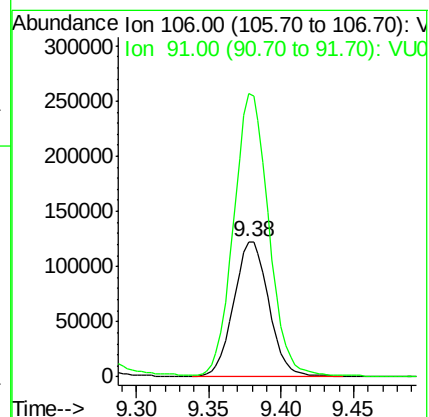
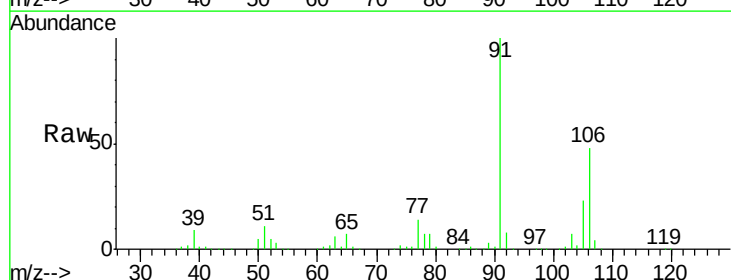
Acq: 22 May 2018 20:19

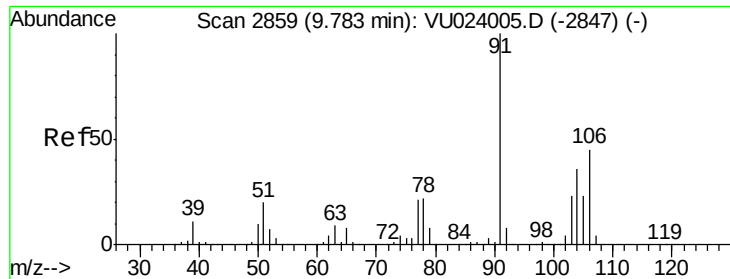
Tgt Ion: 106 Resp: 204046

Ion Ratio Lower Upper

106 100

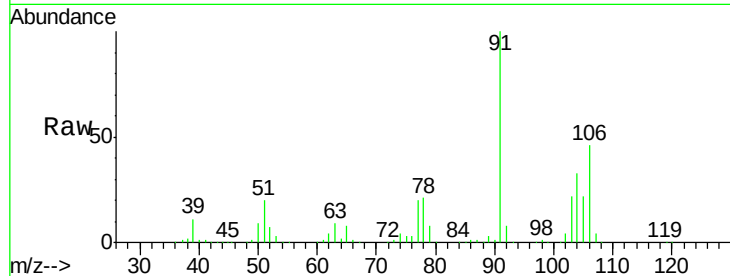
91 209.7 141.8 263.4



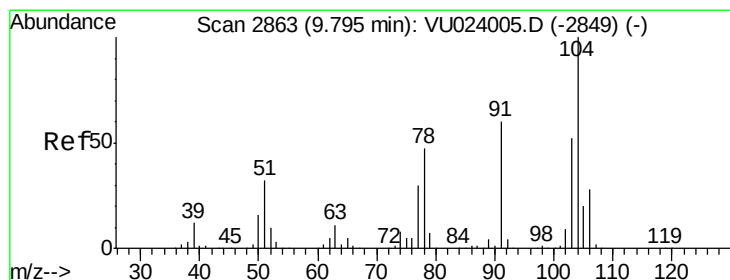
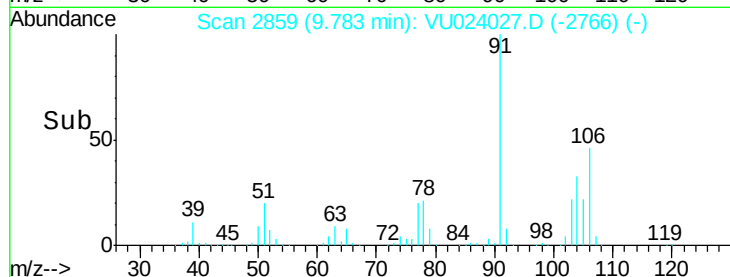
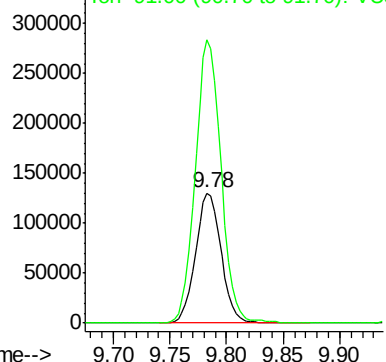


#54
o-xylene
Concen: 52.73 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024027.D
Acq: 22 May 2018 20:19

Tgt Ion:106 Resp: 205573
Ion Ratio Lower Upper
106 100
91 217.7 151.1 280.5

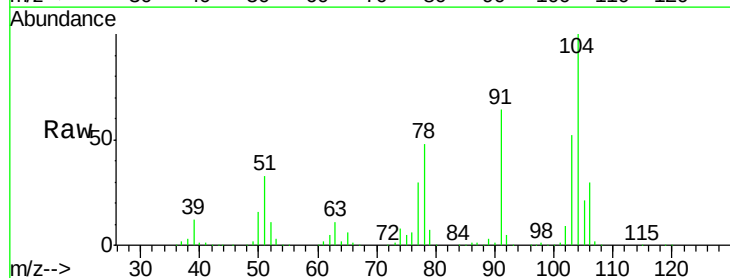


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

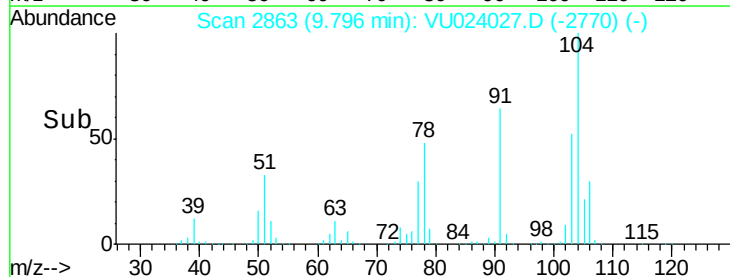
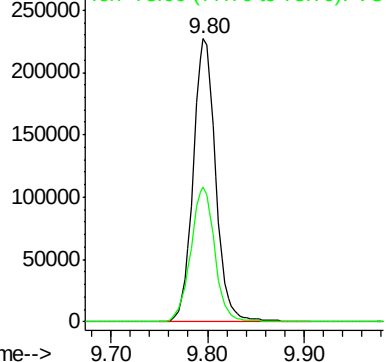


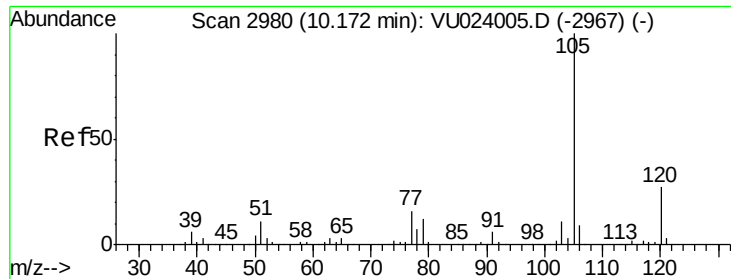
#55
Styrene
Concen: 53.83 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024027.D
Acq: 22 May 2018 20:19

Tgt Ion:104 Resp: 366911
Ion Ratio Lower Upper
104 100
78 47.6 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: 52.32 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

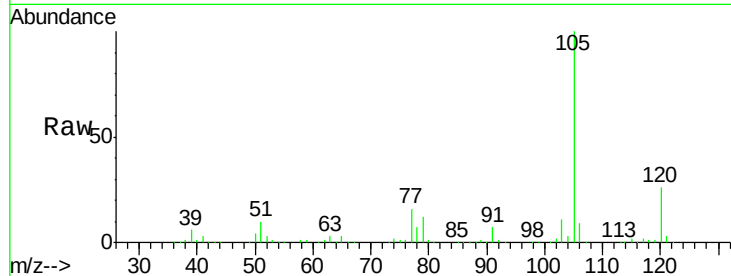
Tgt Ion: 105 Resp: 536434

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

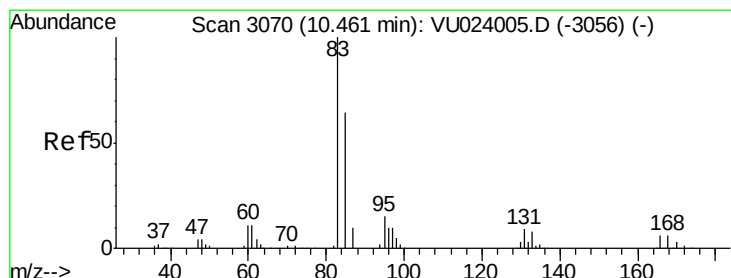
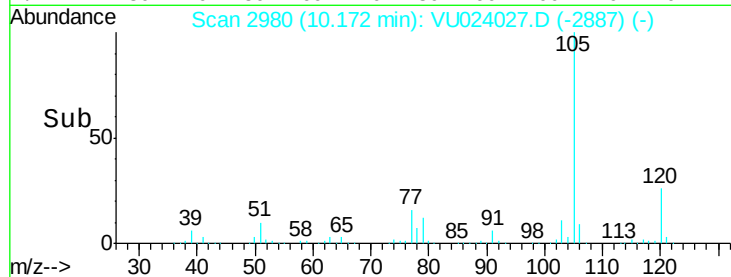
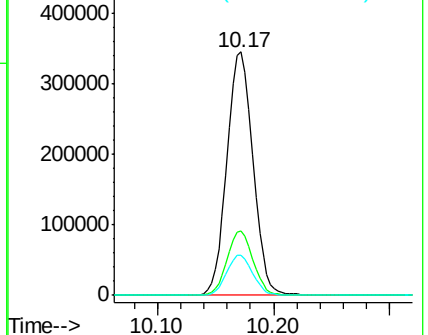
77 16.6 12.6 18.8



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: 50.58 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

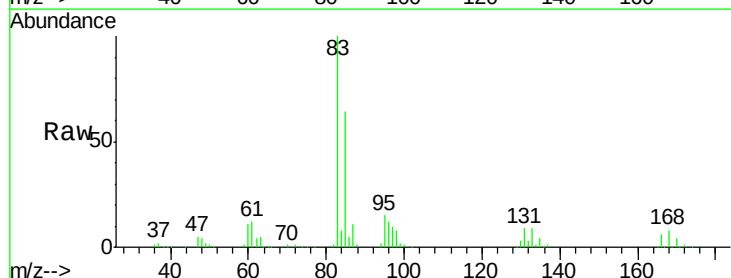
Tgt Ion: 83 Resp: 228009

Ion Ratio Lower Upper

83 100

85 63.7 45.2 84.0

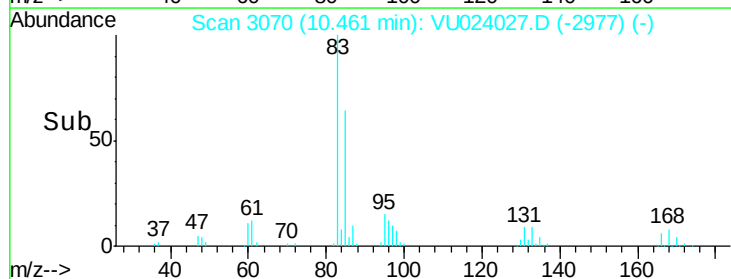
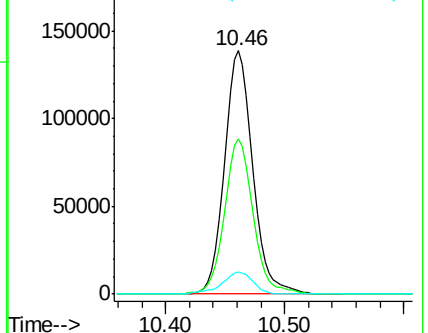
131 9.0 7.9 11.9

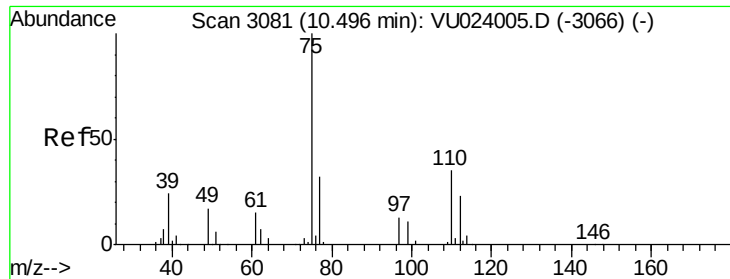


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

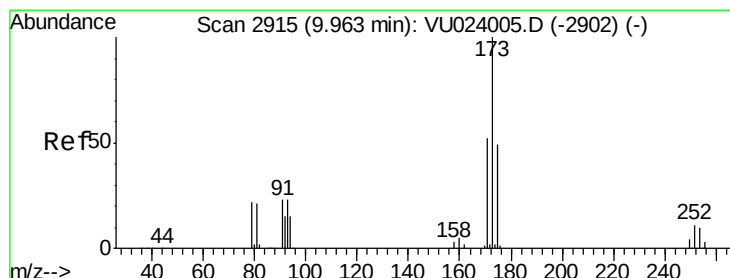
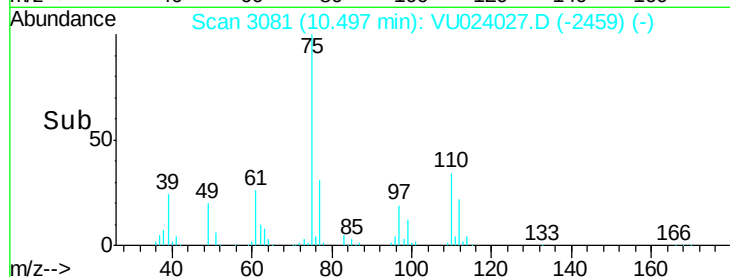
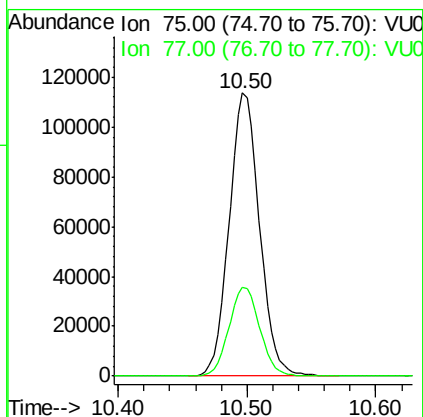
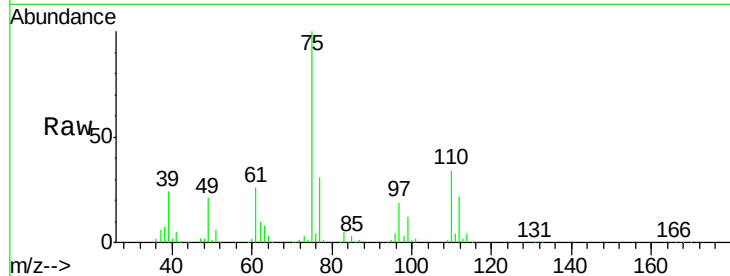
Ion 131.00 (130.70 to 131.70): V





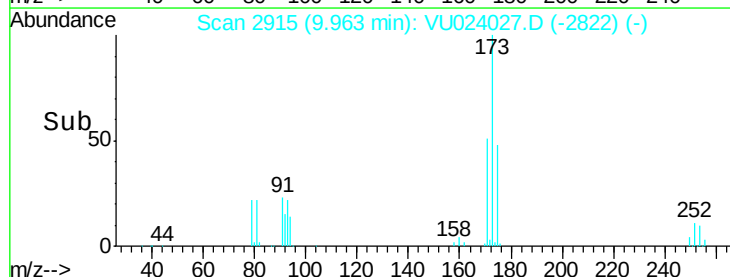
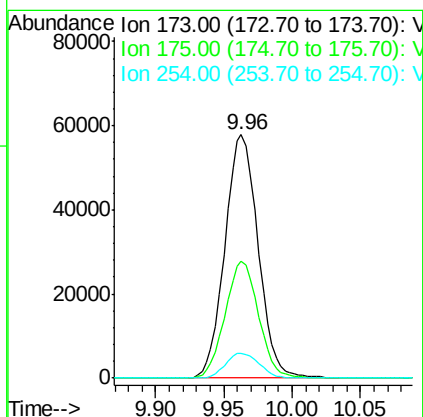
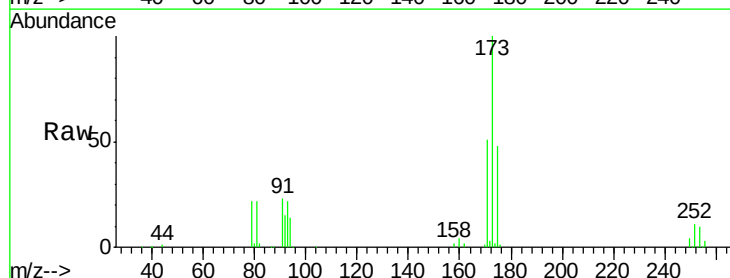
#59
 1,2,3-Trichloropropane
 Concen: 51.07 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU024027.D
 Acq: 22 May 2018 20:19

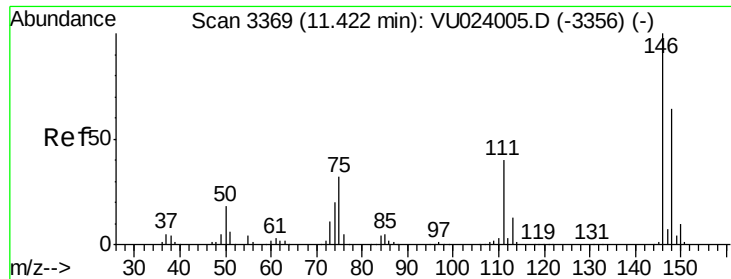
Tgt Ion: 75 Resp: 184811
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.4



#61
 Bromoform
 Concen: 46.74 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024027.D
 Acq: 22 May 2018 20:19

Tgt Ion: 173 Resp: 97998
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.7 58.1
 254 10.3 8.9 13.3





#62

1,3-Dichlorobenzene

Concen: 48.90 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

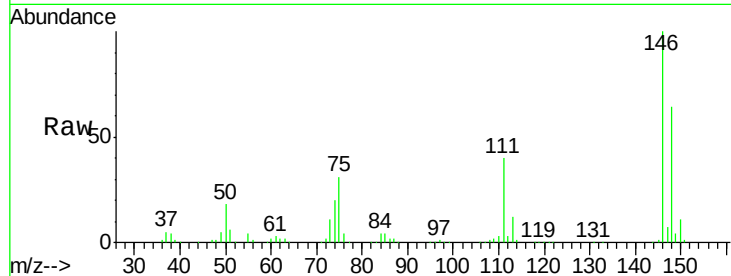
Tgt Ion:146 Resp: 252683

Ion Ratio Lower Upper

146 100

111 39.9 27.6 51.4

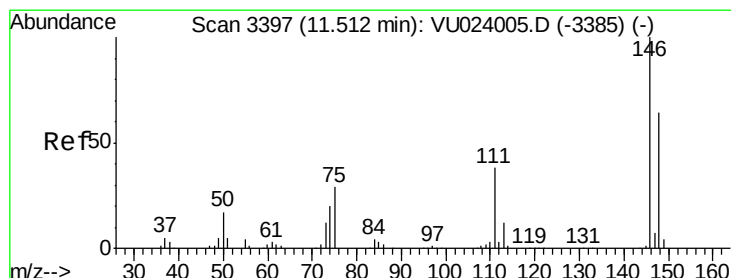
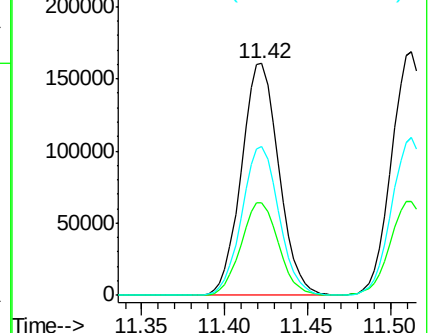
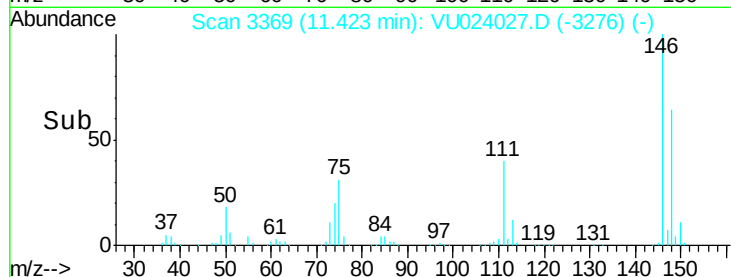
148 64.1 45.4 84.2



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: 48.12 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU024027.D

Acq: 22 May 2018 20:19

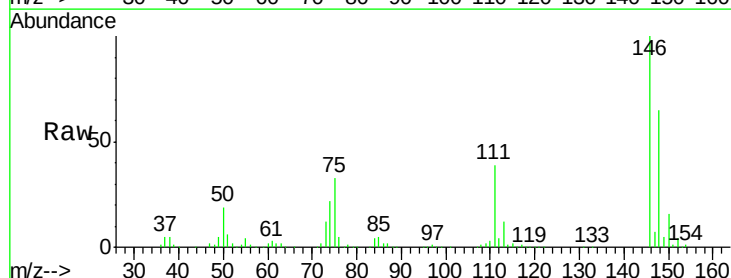
Tgt Ion:146 Resp: 263500

Ion Ratio Lower Upper

146 100

111 38.7 27.0 50.2

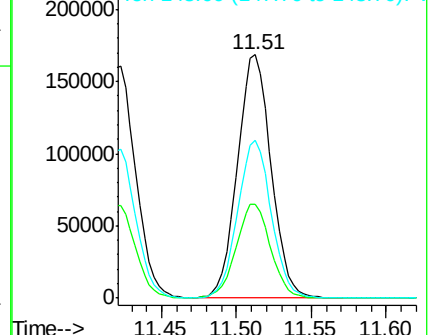
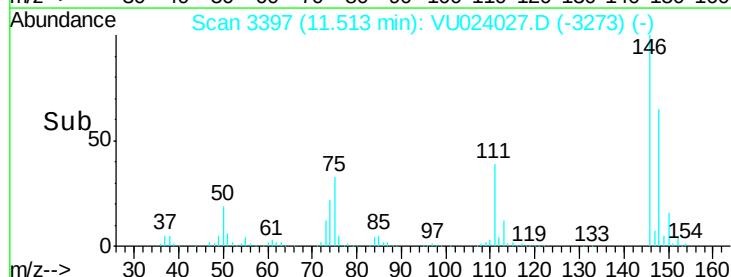
148 64.7 45.2 84.0

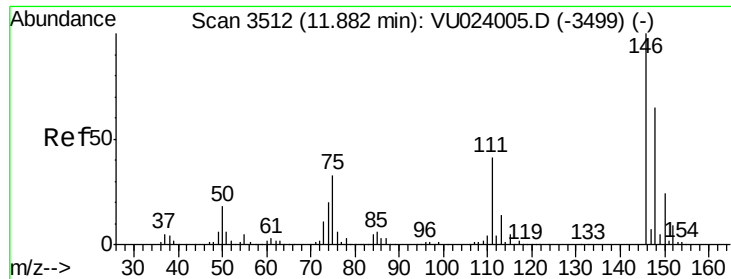


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

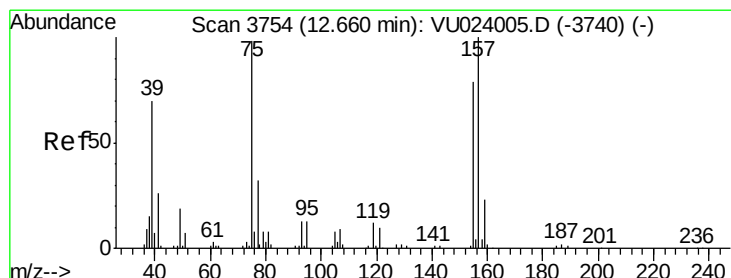
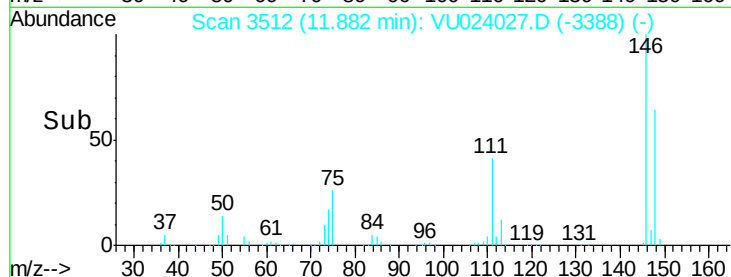
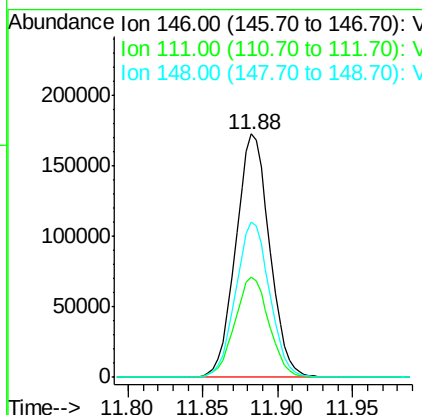
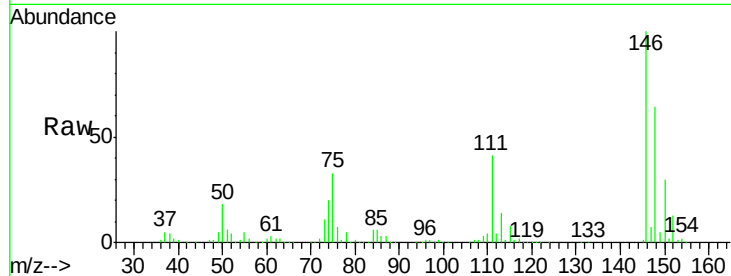
Ion 148.00 (147.70 to 148.70): V





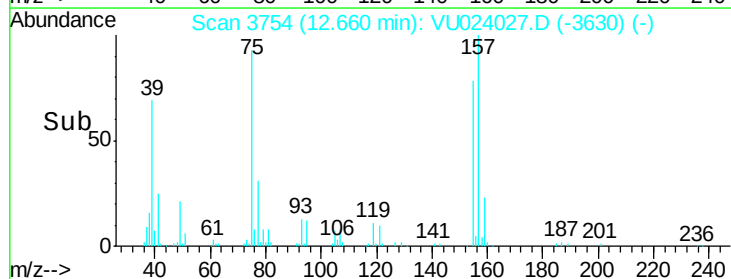
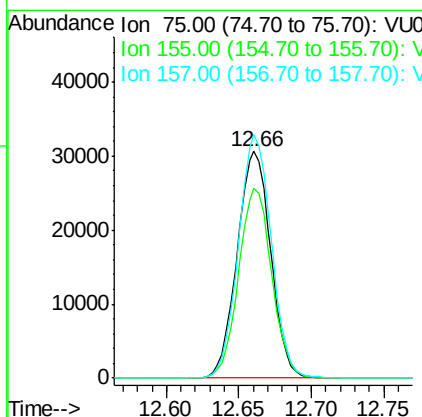
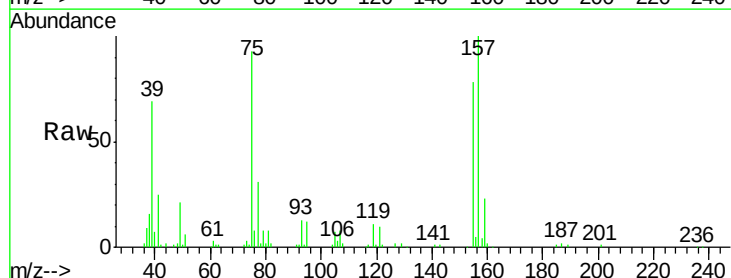
#65
 1,2-Dichlorobenzene
 Concen: 48.73 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024027.D
 Acq: 22 May 2018 20:19

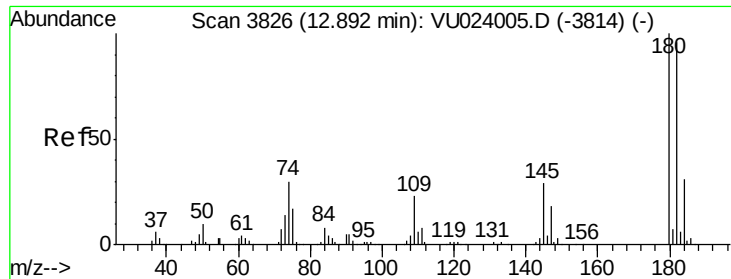
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	32.1	48.1
148	63.8	49.8	74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.06 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024027.D
 Acq: 22 May 2018 20:19

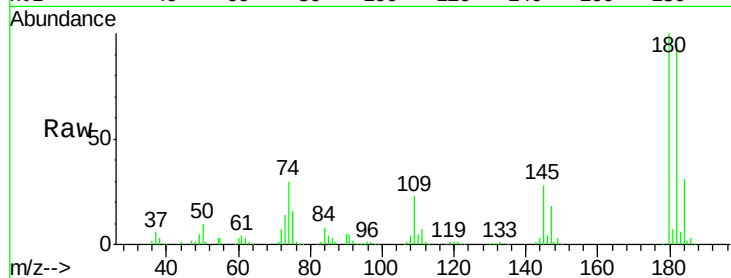
Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	69.4	104.2
157	107.5	88.4	132.6



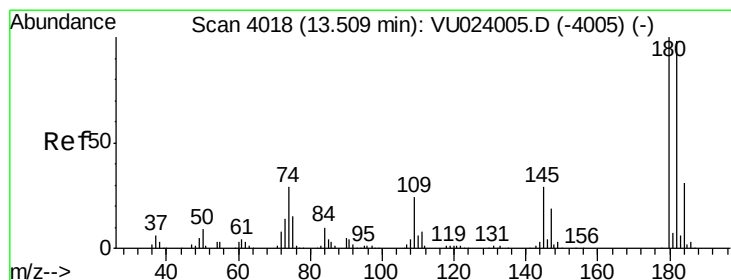
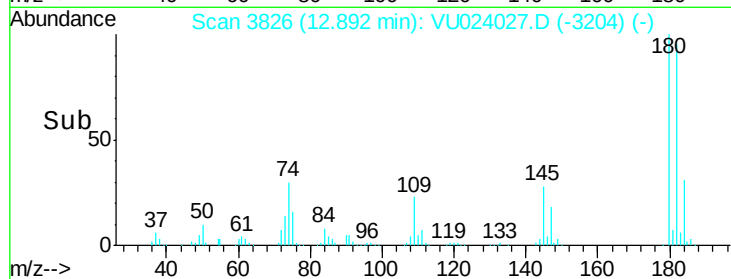
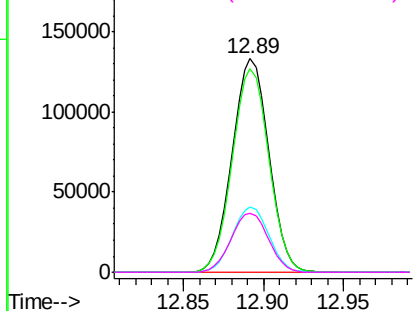


#67
 1,3,5-Trichlorobenzene
 Concen: 48.46 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU024027.D
 Acq: 22 May 2018 20:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.4	116.2
184	30.4	24.2	36.4
145	28.1	22.5	33.7

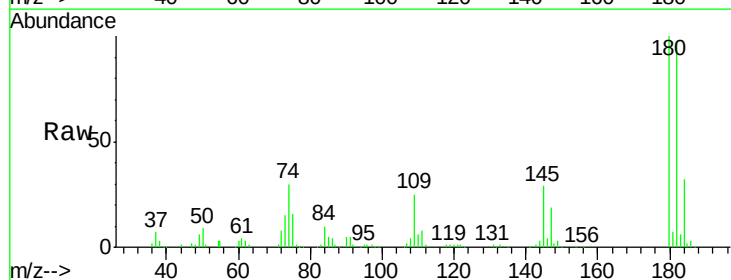


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

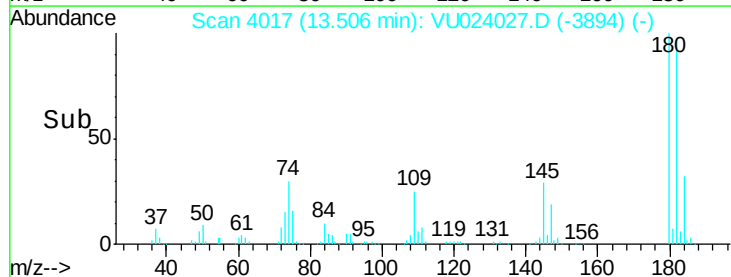
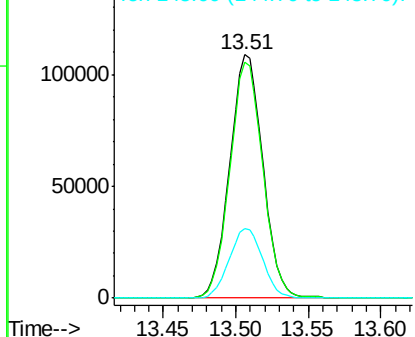


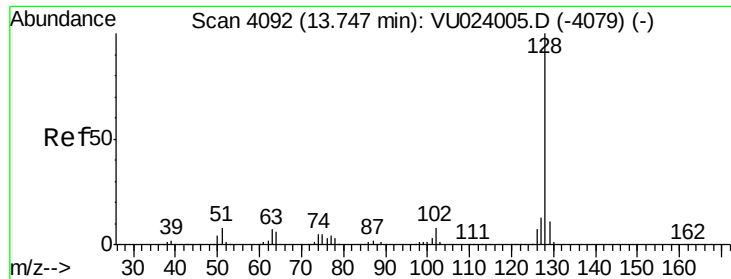
#68
 1,2,4-trichlorobenzene
 Concen: 49.17 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024027.D
 Acq: 22 May 2018 20:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.1	114.1
145	29.0	23.0	34.4



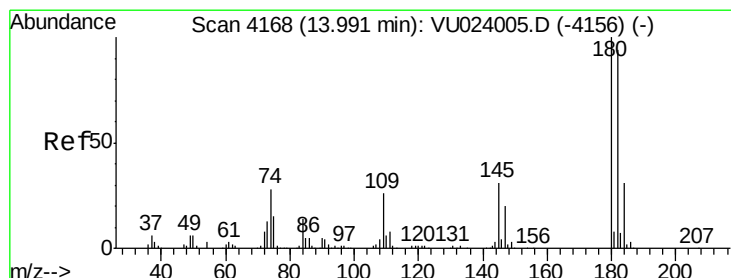
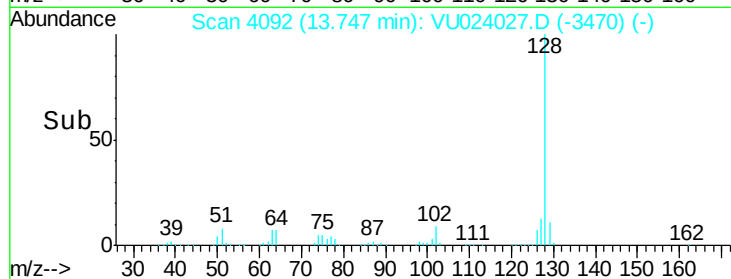
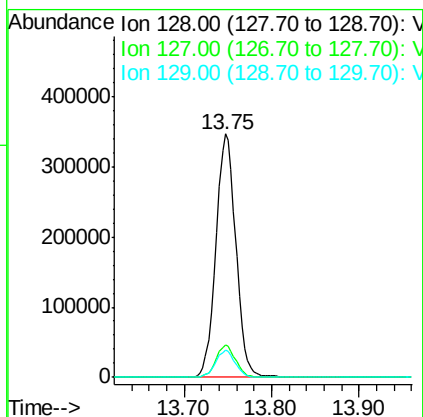
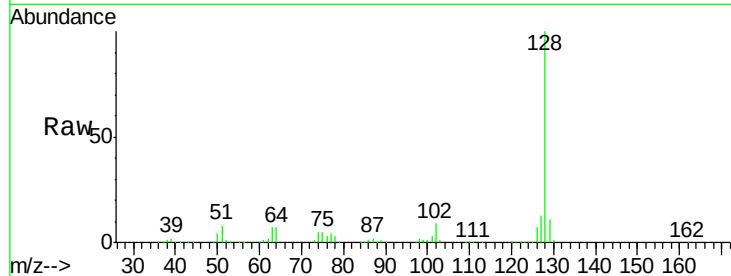
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 55.23 ug/L
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU024027.D
Acq: 22 May 2018 20:19

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.8	8.6	12.8



#70
1,2,3-Trichlorobenzene
Concen: 51.42 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU024027.D
Acq: 22 May 2018 20:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.6	113.4
145	30.0	23.9	35.9

