

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050318\
 Data File : VU023595.D
 Acq On : 03 May 2018 10:34
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 02:51:12 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 03 05:16:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	357524	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	348736	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	183580	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92470	36.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.98%
7) Chloroethane-d5	1.68	69	75629	39.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.32%
11) 1,1-Dichloroethene-d2	2.27	63	204899	41.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.94%
21) 2-Butanone-d5	4.18	46	202695	115.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.78%
24) Chloroform-d	4.65	84	207285	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
26) 1,2-Dichloroethane-d4	5.31	65	132585	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.98%
32) Benzene-d6	5.35	84	403761	43.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.30%
36) 1,2-Dichloropropane-d6	6.34	67	141539	45.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.32%
41) Toluene-d8	7.57	98	380182	44.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.14%
43) trans-1,3-Dichloropropene-	7.85	79	63670	47.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.38%
47) 2-Hexanone-d5	8.31	63	147451	123.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.89%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	201745	49.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	160892	44.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.86%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	171065	44.31	ug/L	99
3) Chloromethane	1.33	50	187727	45.33	ug/L	99
5) Vinyl chloride	1.40	62	174322	44.45	ug/L	99
6) Bromomethane	1.63	94	95106	45.24	ug/L	99
8) Chloroethane	1.70	64	102321	43.17	ug/L	99
9) Trichlorofluoromethane	1.89	101	200683	45.47	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	130465	46.88	ug/L	99
12) 1,1-Dichloroethene	2.28	96	119013	45.61	ug/L	93
13) Acetone	2.32	43	246711	94.85	ug/L	99
14) Carbon disulfide	2.48	76	402436	44.74	ug/L	99
15) Methyl Acetate	2.62	43	177709	51.58	ug/L	100
16) Methylene chloride	2.70	84	147676	45.34	ug/L	100
17) trans-1,2-Dichloroethene	2.99	96	133355	46.71	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	408591	48.41	ug/L	99
19) 1,1-Dichloroethane	3.45	63	262889	46.40	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	148982	47.02	ug/L	98
22) 2-Butanone	4.26	43	295469	102.14	ug/L	100

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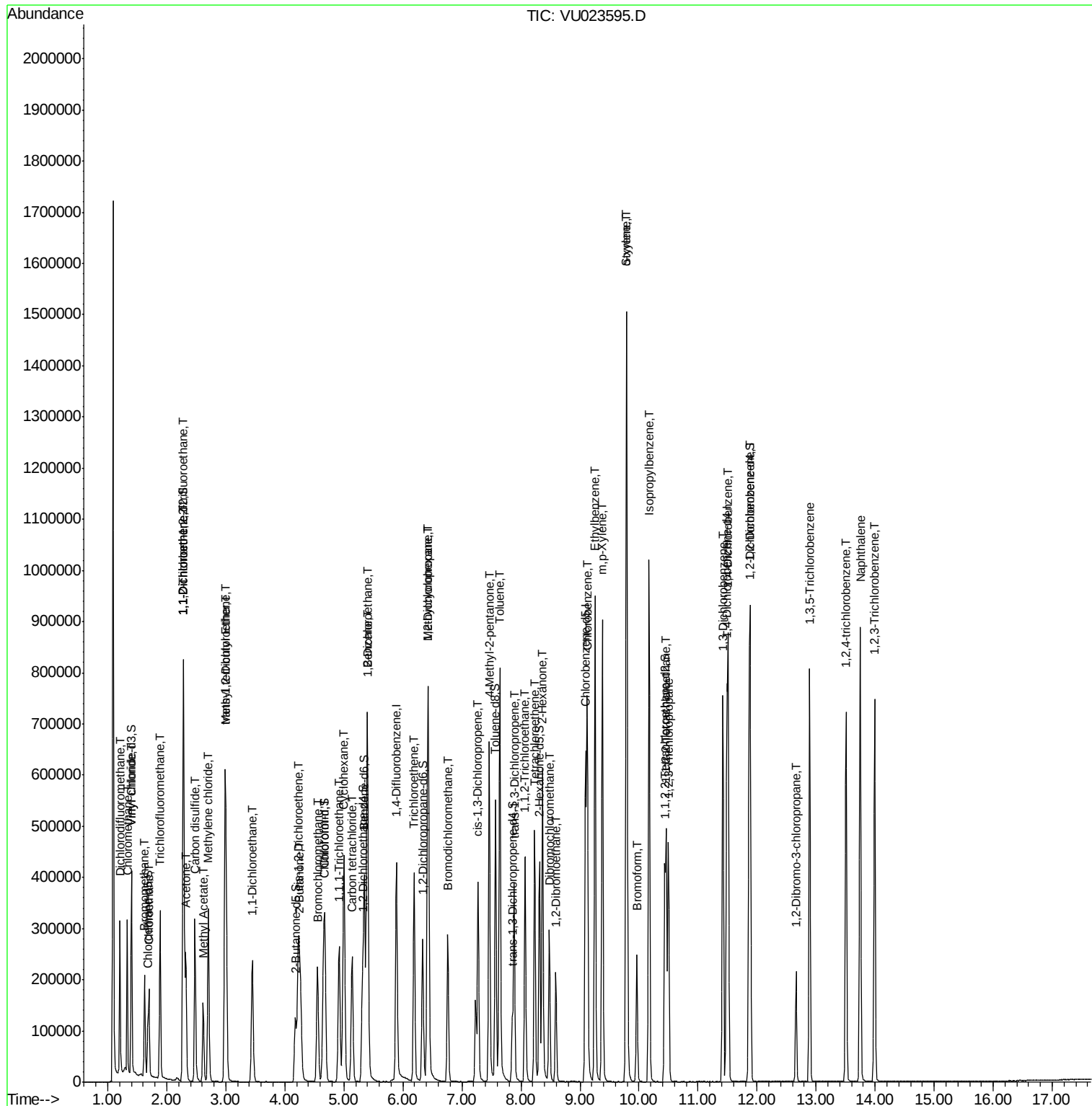
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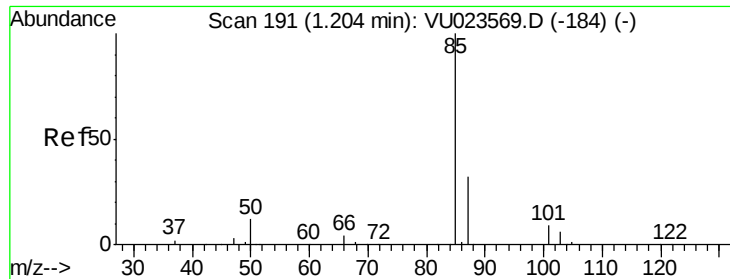
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	74701	46.97	ug/L	98
25) Chloroform	4.68	83	255238	43.93	ug/L	100
27) 1,2-Dichloroethane	5.41	62	202839	47.08	ug/L	100
29) Cyclohexane	5.00	56	243197	47.18	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	202786	45.91	ug/L	99
31) Carbon tetrachloride	5.14	117	180978	47.15	ug/L	98
33) Benzene	5.39	78	574210	46.73	ug/L	100
34) Trichloroethene	6.19	95	144746	45.97	ug/L	97
35) Methylcyclohexane	6.42	83	230983	46.90	ug/L	99
37) 1,2-Dichloropropane	6.44	63	163478	46.41	ug/L	100
38) Bromodichloromethane	6.76	83	188589	47.46	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	233077	48.02	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	469971	109.29	ug/L	99
42) Toluene	7.64	91	605257	47.52	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	214798	49.60	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	139298	46.55	ug/L	99
46) Tetrachloroethene	8.23	164	118869	46.32	ug/L	98
48) 2-Hexanone	8.36	43	398665	106.44	ug/L	99
49) Dibromochloromethane	8.48	129	151895	48.19	ug/L	99
50) 1,2-Dibromoethane	8.59	107	143585	47.51	ug/L	99
51) Chlorobenzene	9.12	112	389300	45.87	ug/L	99
52) Ethylbenzene	9.25	91	667337	48.33	ug/L	100
53) m,p-Xylene	9.38	106	253386	48.12	ug/L	98
54) o-xylene	9.78	106	242038	48.51	ug/L	96
55) Styrene	9.80	104	434334	49.76	ug/L	99
56) Isopropylbenzene	10.17	105	644696	49.23	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	244256	49.71	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	195133	50.18	ug/L	100
61) Bromoform	9.96	173	113756	49.29	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	307874	46.51	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	322372	46.64	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	316644	46.76	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	52936	53.83	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	256758	46.30	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	226327	48.06	ug/L	98
69) Naphthalene	13.75	128	678701	54.92	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	235164	49.01	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 44.31 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU023595.D

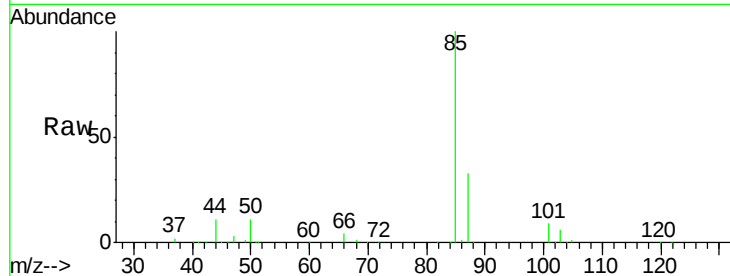
Acq: 03 May 2018 10:34

Tgt Ion: 85 Resp: 171065

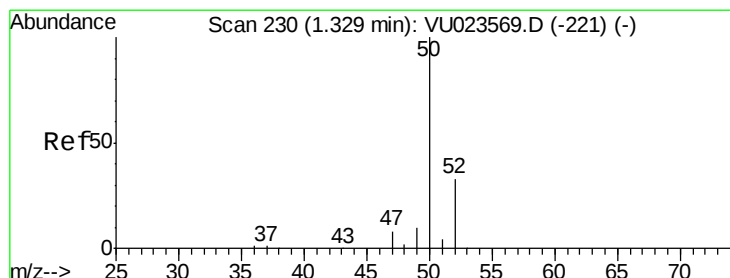
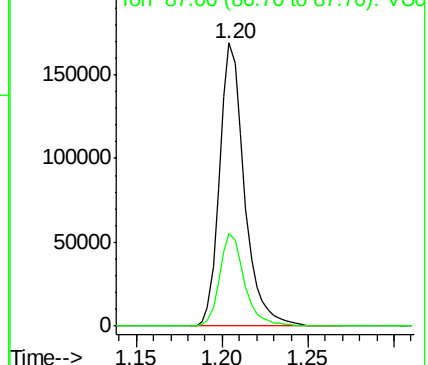
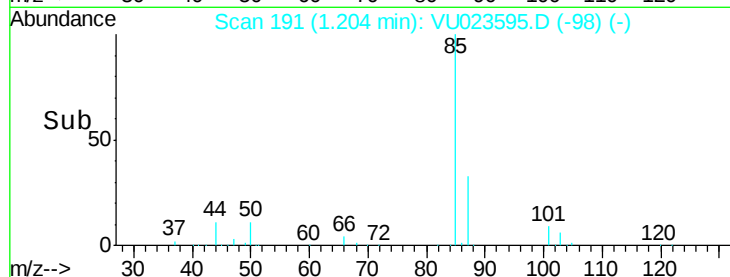
Ion Ratio Lower Upper

85 100

87 32.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU023595.D (-98) (-)



#3

Chloromethane

Concen: 45.33 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU023595.D

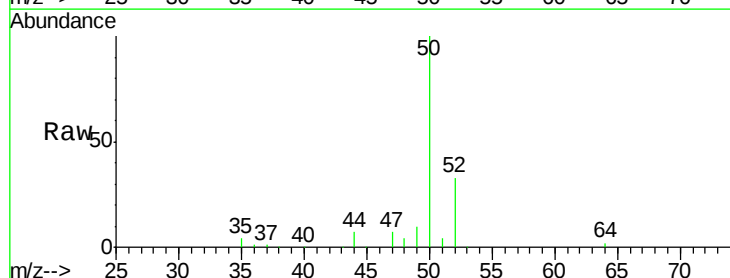
Acq: 03 May 2018 10:34

Tgt Ion: 50 Resp: 187727

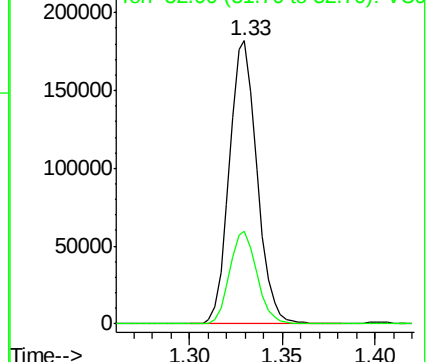
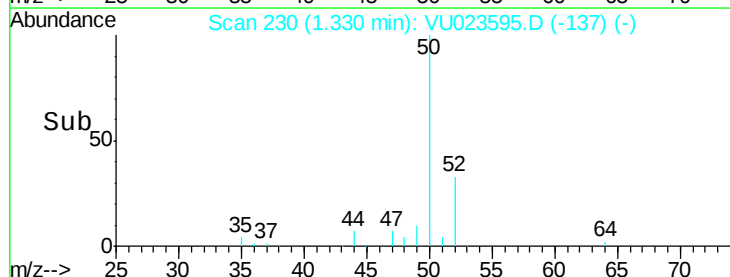
Ion Ratio Lower Upper

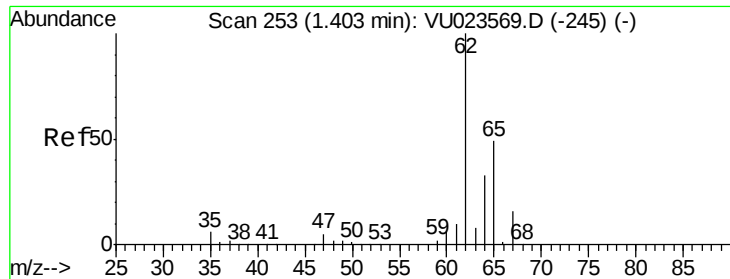
50 100

52 32.8 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU023595.D (-137) (-)





#5

Vinyl chloride

Concen: 44.45 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU023595.D

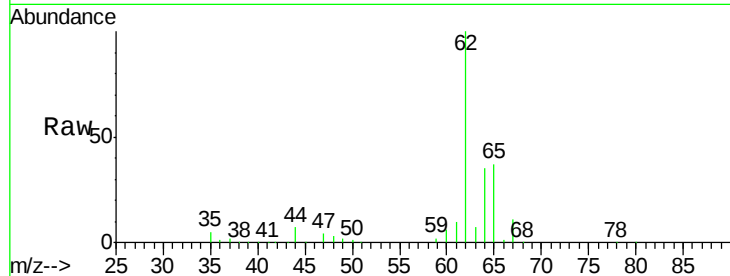
Acq: 03 May 2018 10:34

Tgt Ion: 62 Resp: 174322

Ion Ratio Lower Upper

62 100

64 34.8 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

200000

150000

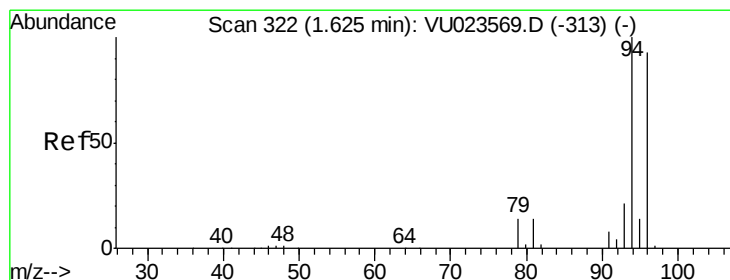
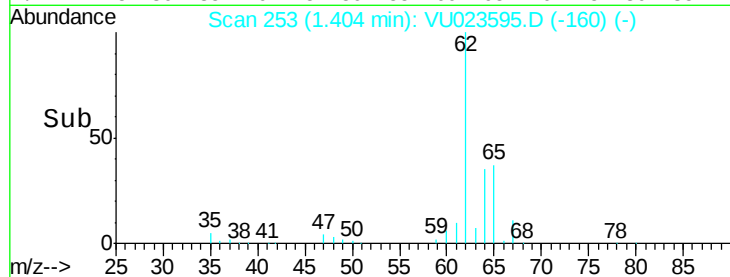
100000

50000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 45.24 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU023595.D

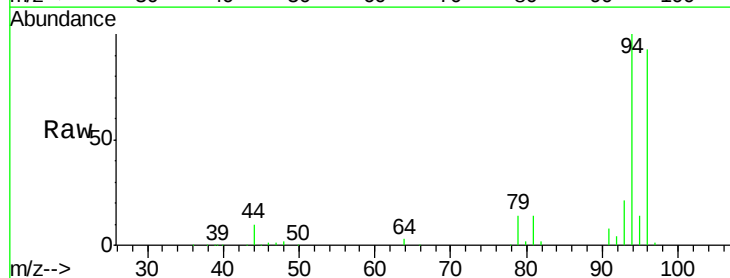
Acq: 03 May 2018 10:34

Tgt Ion: 94 Resp: 95106

Ion Ratio Lower Upper

94 100

96 92.8 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

80000

60000

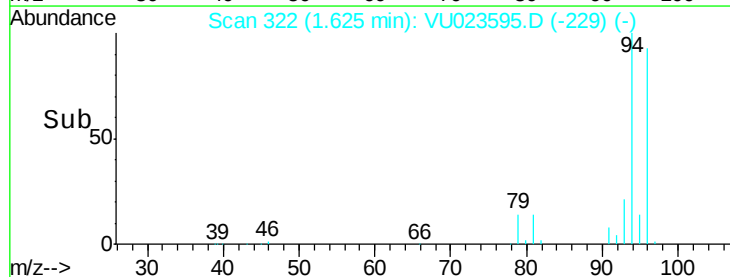
40000

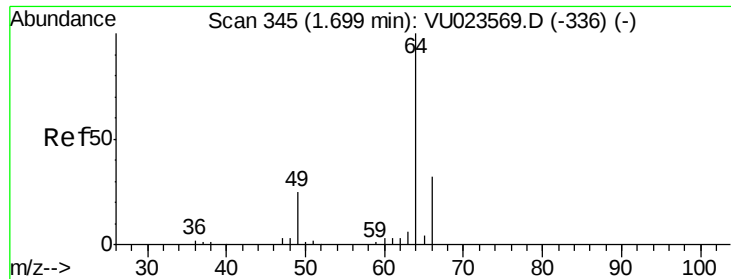
20000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 43.17 ug/L

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU023595.D

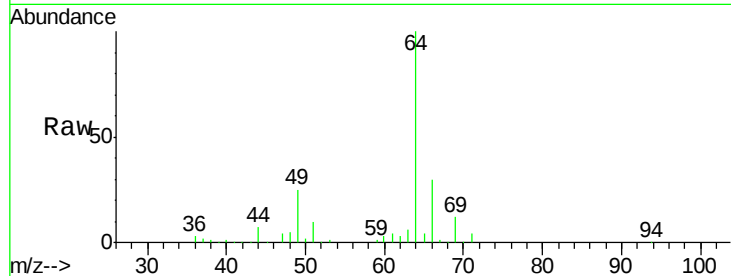
Acq: 03 May 2018 10:34

Tgt Ion: 64 Resp: 102321

Ion Ratio Lower Upper

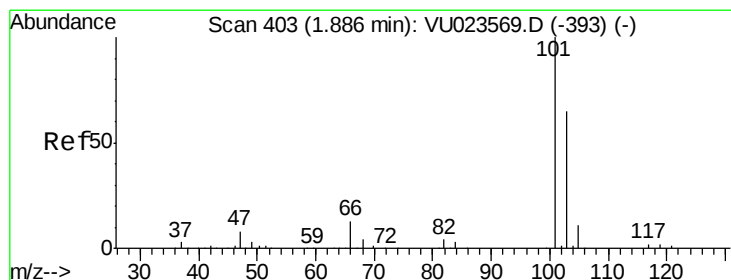
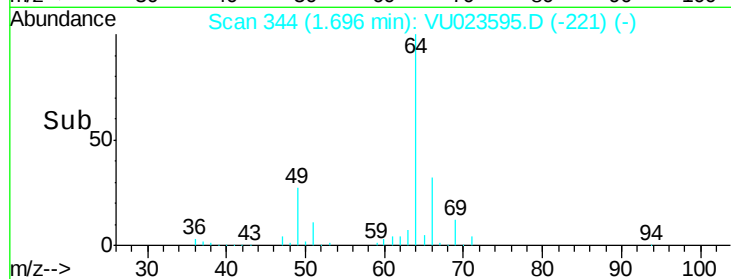
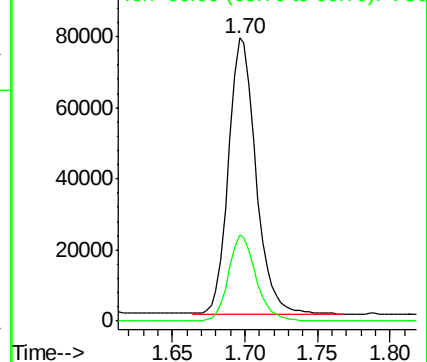
64 100

66 30.3 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 45.47 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU023595.D

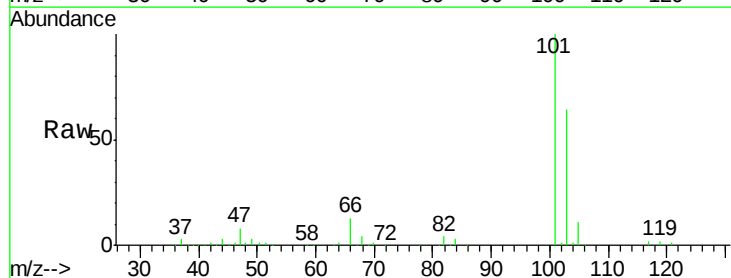
Acq: 03 May 2018 10:34

Tgt Ion: 101 Resp: 200683

Ion Ratio Lower Upper

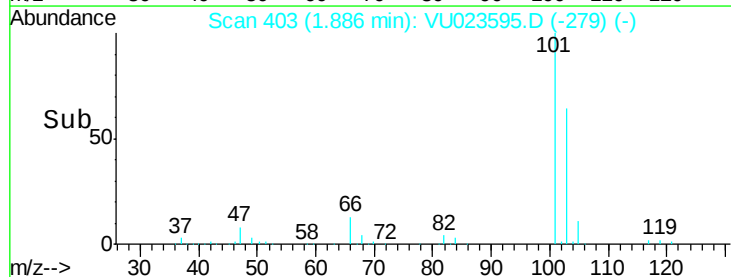
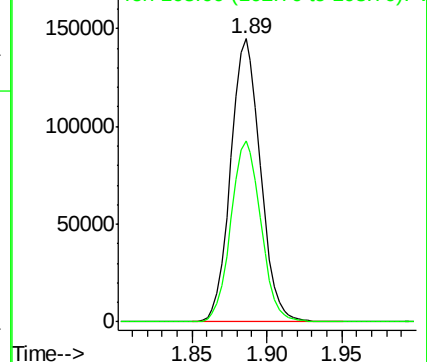
101 100

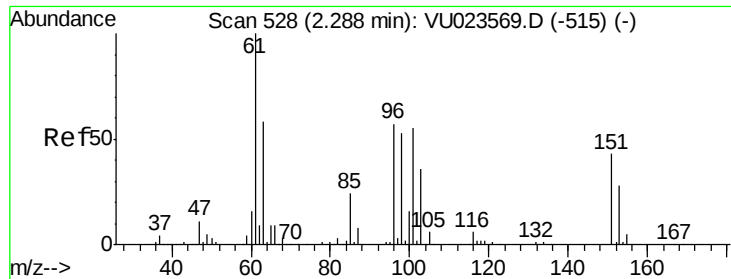
103 64.4 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 46.88 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

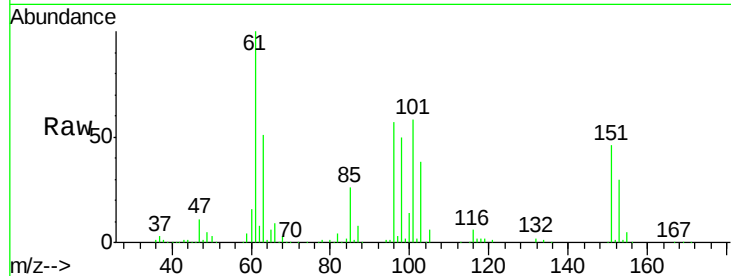
Tgt Ion: 101 Resp: 130465

Ion Ratio Lower Upper

101 100

85 43.5 34.9 52.3

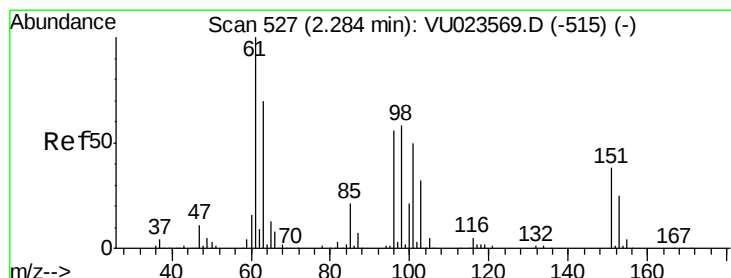
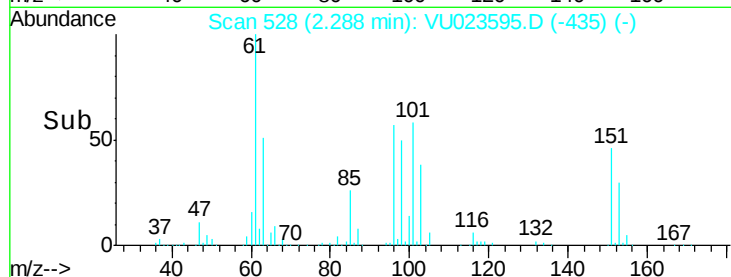
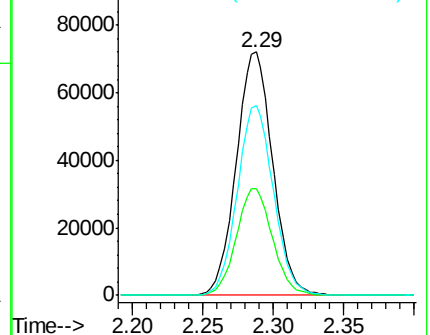
151 77.4 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 45.61 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

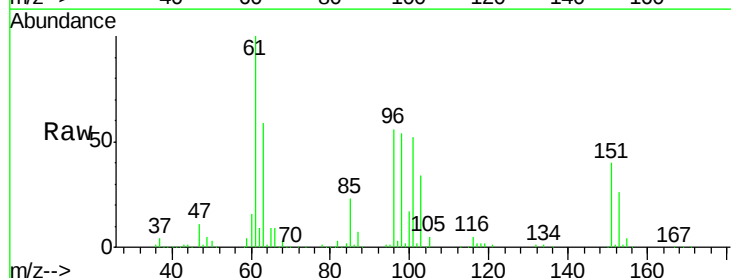
Tgt Ion: 96 Resp: 119013

Ion Ratio Lower Upper

96 100

61 178.4 125.9 233.7

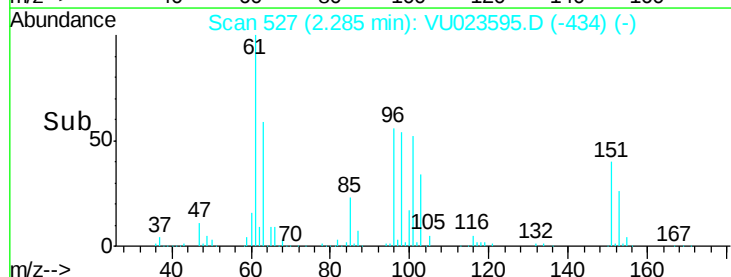
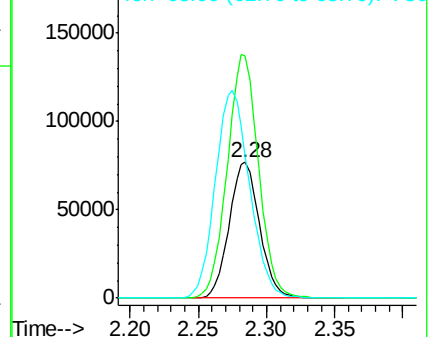
63 104.4 84.8 157.6

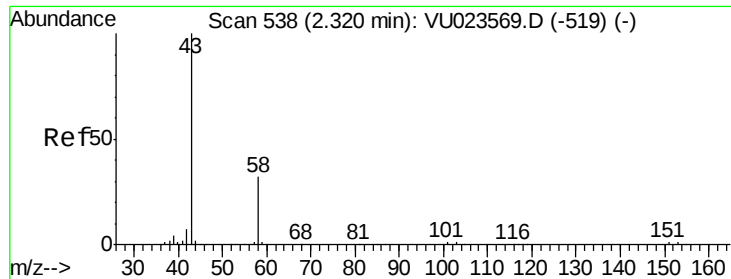


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 94.85 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU023595.D

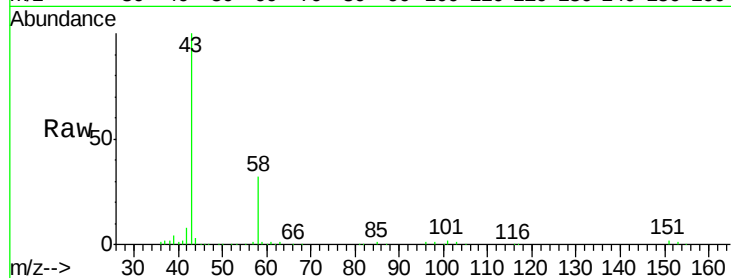
Acq: 03 May 2018 10:34

Tgt Ion: 43 Resp: 246711

Ion Ratio Lower Upper

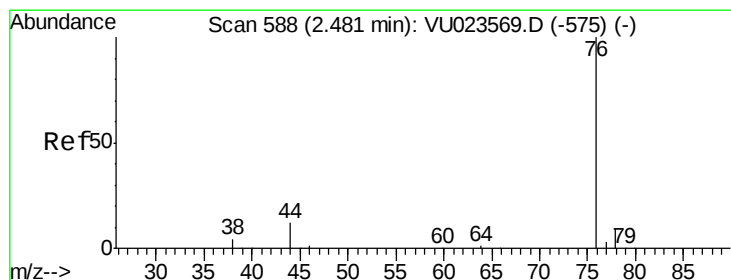
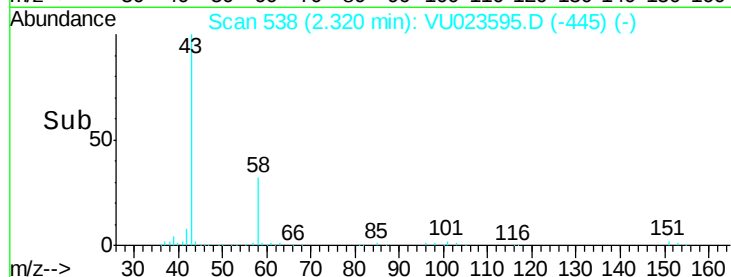
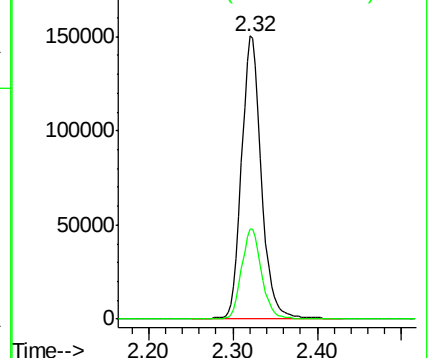
43 100

58 32.0 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 44.74 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU023595.D

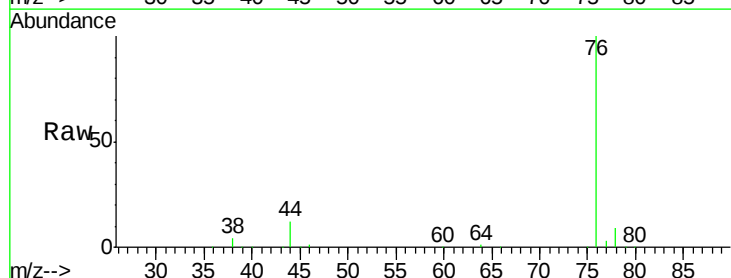
Acq: 03 May 2018 10:34

Tgt Ion: 76 Resp: 402436

Ion Ratio Lower Upper

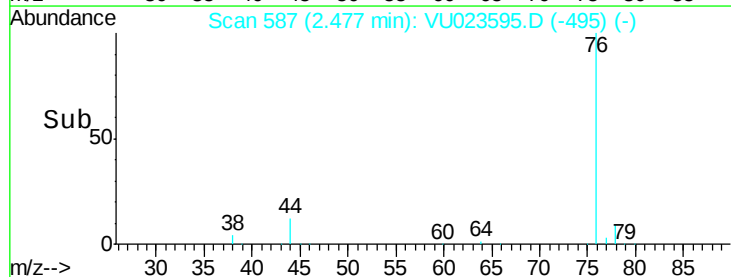
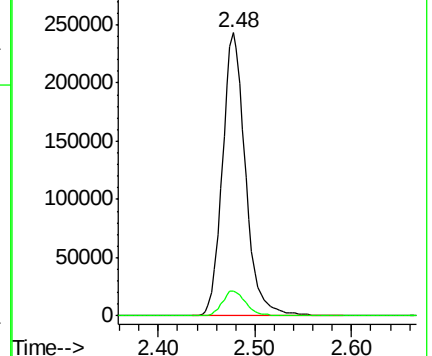
76 100

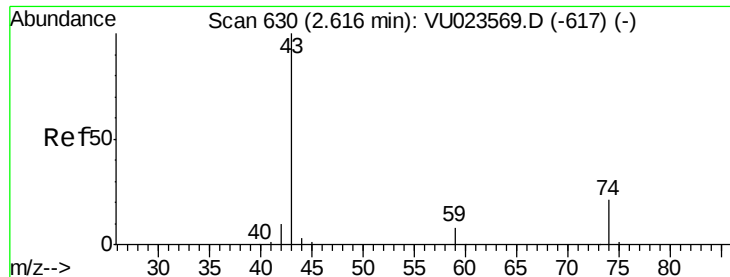
78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

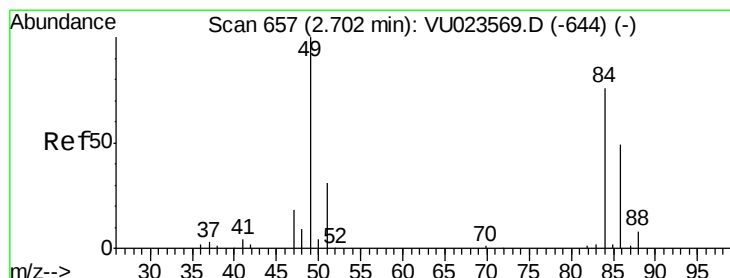
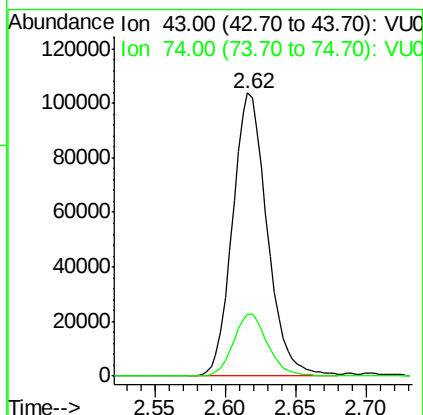
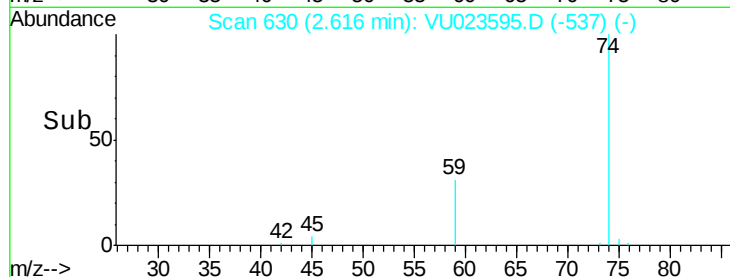
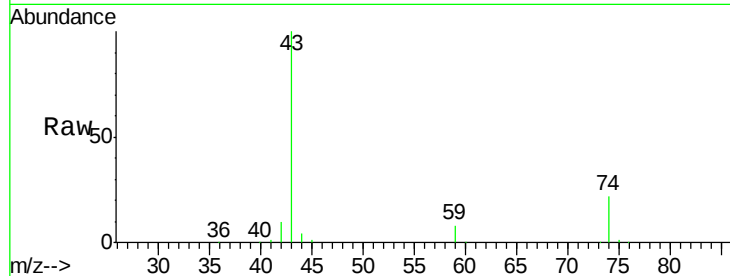
Ion 78.00 (77.70 to 78.70): VU0





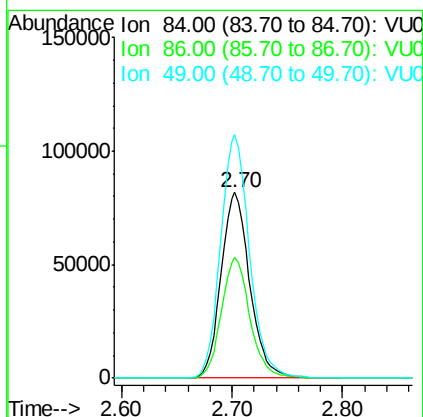
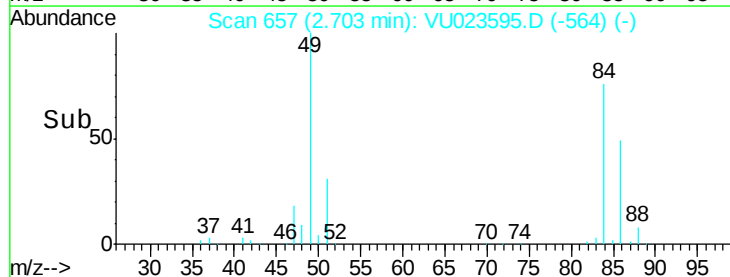
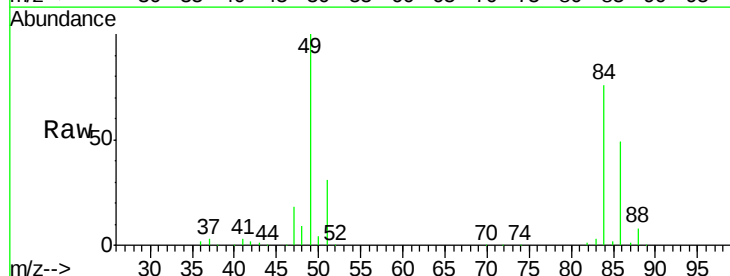
#15
Methyl Acetate
Concen: 51.58 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU023595.D
Acq: 03 May 2018 10:34

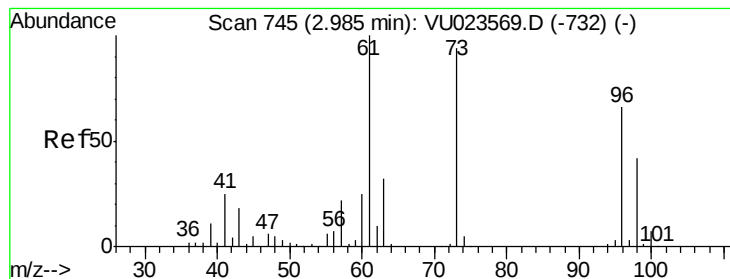
Tgt Ion: 43 Resp: 177709
Ion Ratio Lower Upper
43 100
74 21.9 17.5 26.3



#16
Methylene chloride
Concen: 45.34 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU023595.D
Acq: 03 May 2018 10:34

Tgt Ion: 84 Resp: 147676
Ion Ratio Lower Upper
84 100
86 64.7 45.6 84.8
49 131.2 91.9 170.7





#17

trans-1,2-Dichloroethene

Concen: 46.71 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

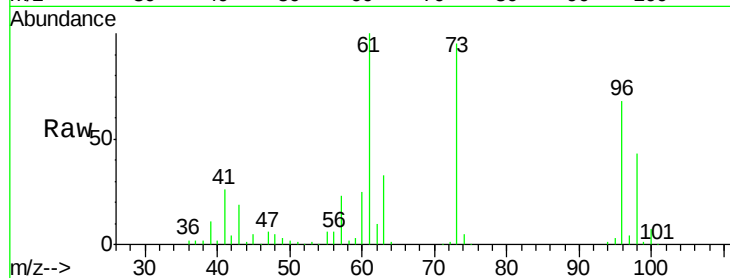
Tgt Ion: 96 Resp: 133355

Ion Ratio Lower Upper

96 100

61 146.1 106.9 198.5

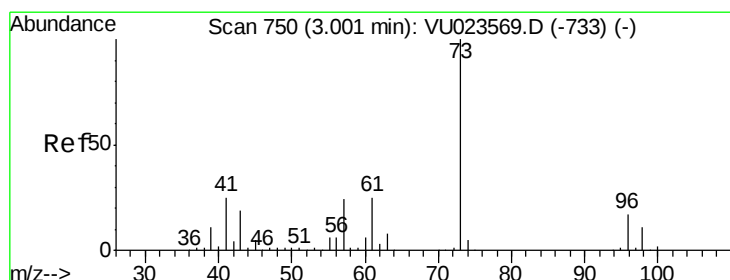
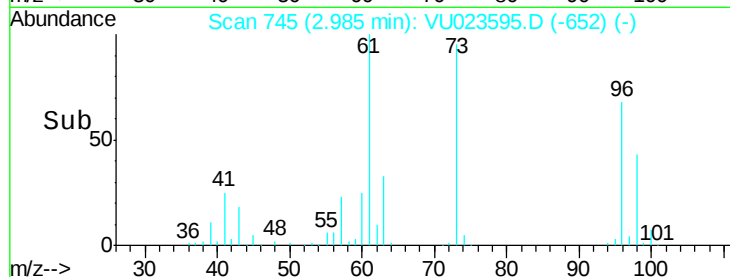
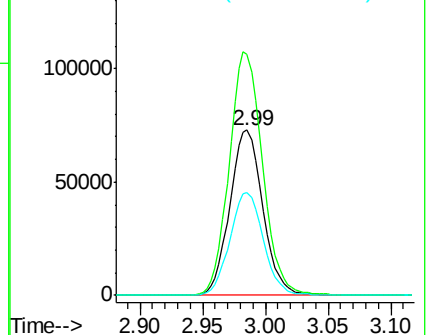
98 62.6 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 48.41 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

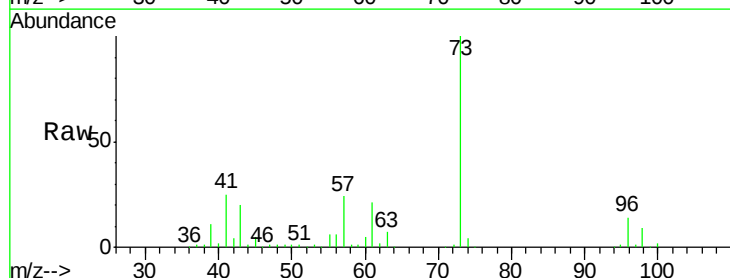
Tgt Ion: 73 Resp: 408591

Ion Ratio Lower Upper

73 100

43 20.1 15.5 23.3

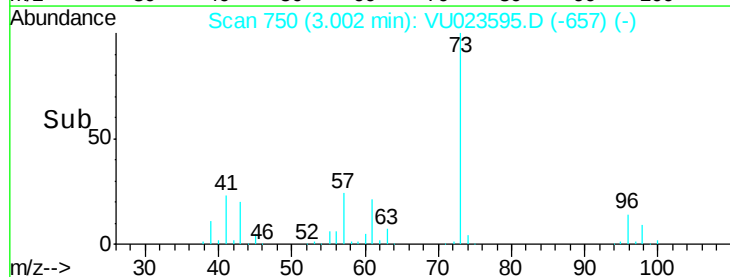
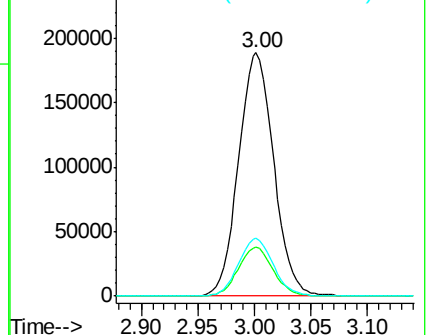
57 23.5 18.5 27.7

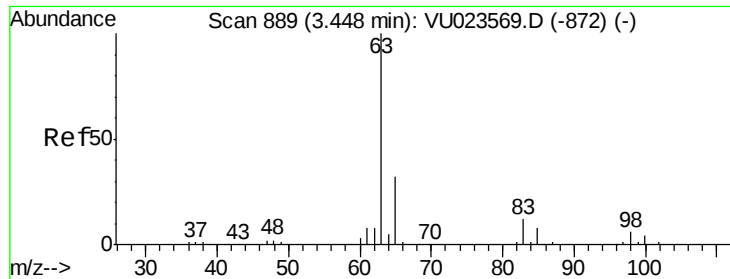


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

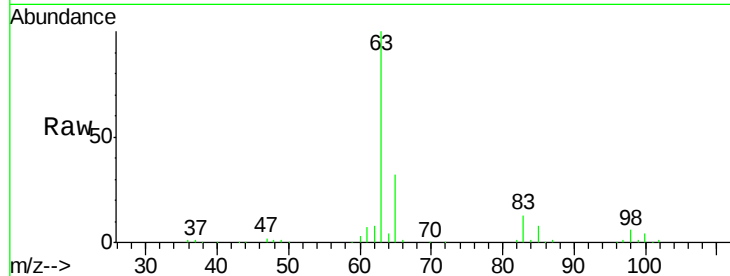
Ion 57.00 (56.70 to 57.70): VU0



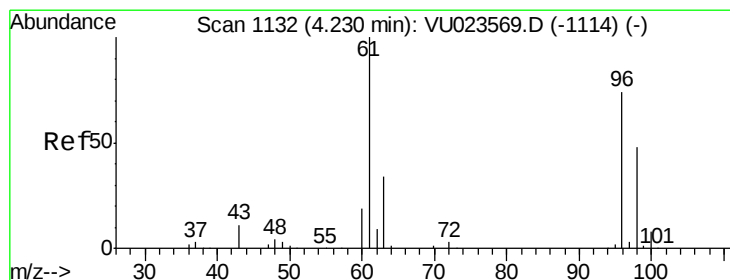
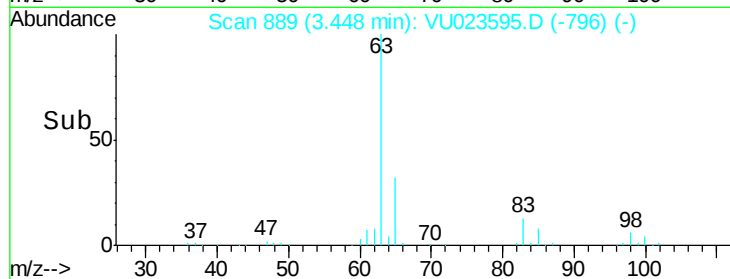
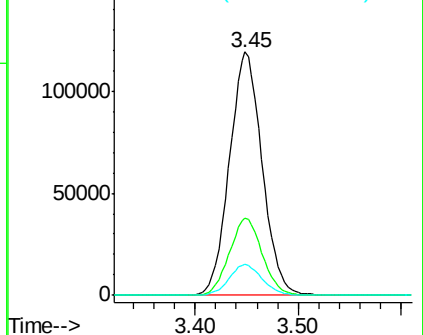


#19
 1,1-Dichloroethane
 Concen: 46.40 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU023595.D
 Acq: 03 May 2018 10:34

Tgt Ion: 63 Resp: 262889
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.3 41.5
 83 12.7 8.7 16.1

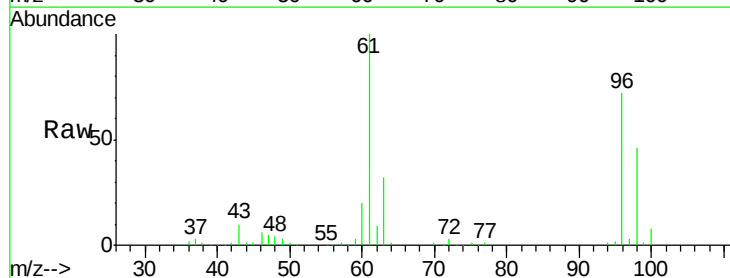


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

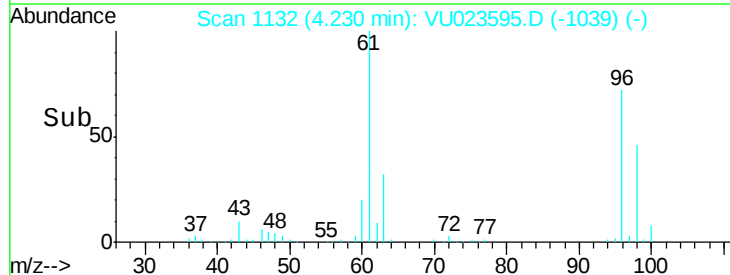
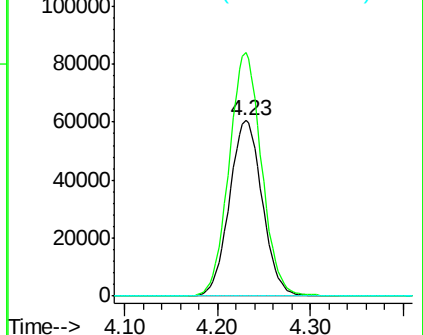


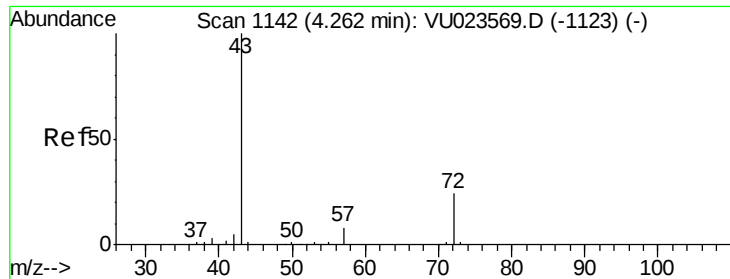
#20
 cis-1,2-Dichloroethene
 Concen: 47.02 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU023595.D
 Acq: 03 May 2018 10:34

Tgt Ion: 96 Resp: 148982
 Ion Ratio Lower Upper
 96 100
 61 138.7 95.3 177.1
 68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 102.14 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU023595.D

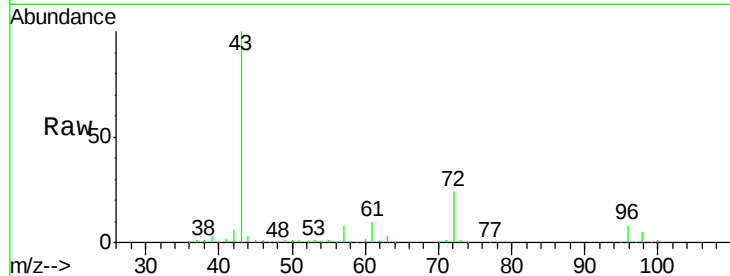
Acq: 03 May 2018 10:34

Tgt Ion: 43 Resp: 295469

Ion Ratio Lower Upper

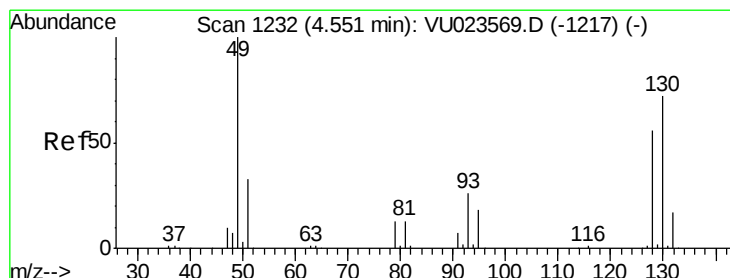
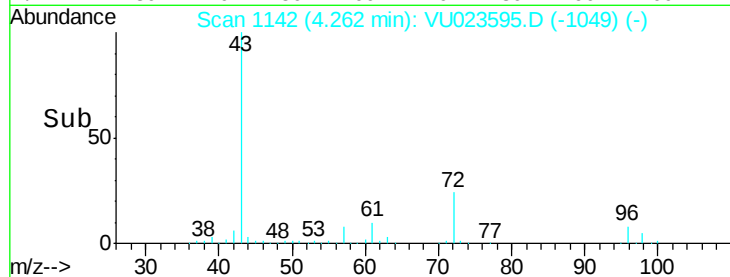
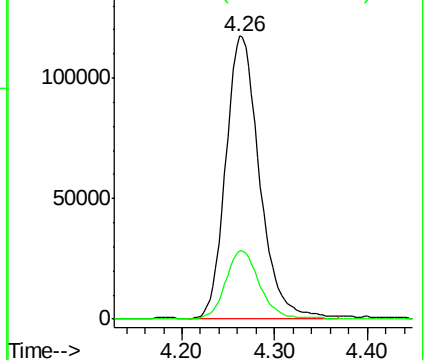
43 100

72 24.6 12.3 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 46.97 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

Tgt Ion: 128 Resp: 74701

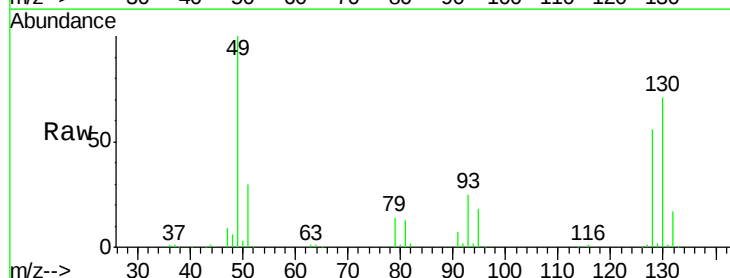
Ion Ratio Lower Upper

128 100

49 178.8 123.7 229.7

130 126.6 90.6 168.3

51 54.5 45.0 67.6

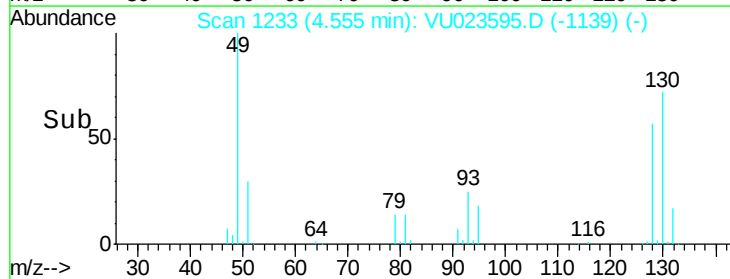
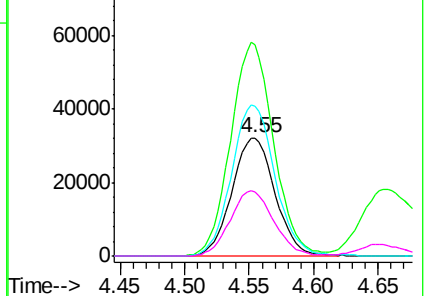


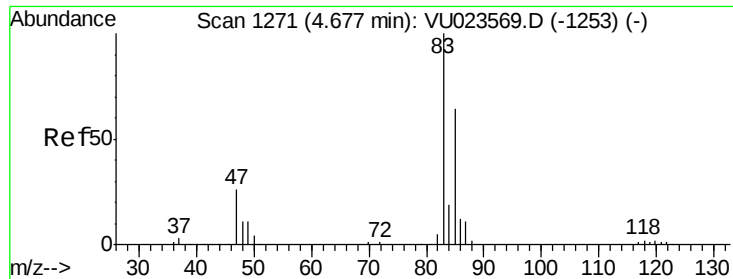
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

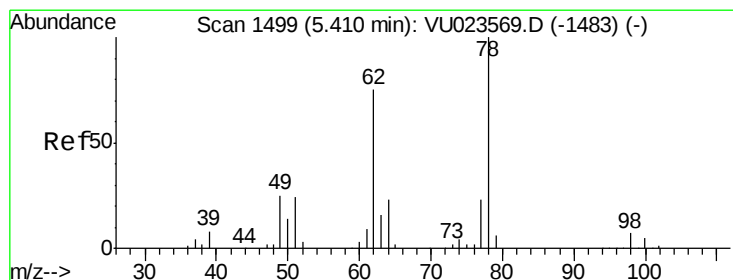
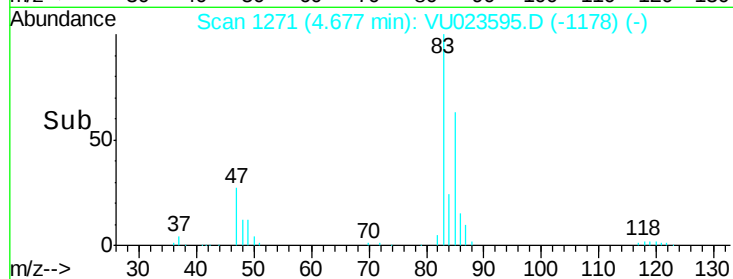
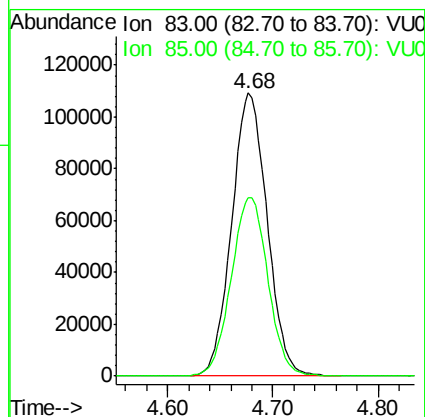
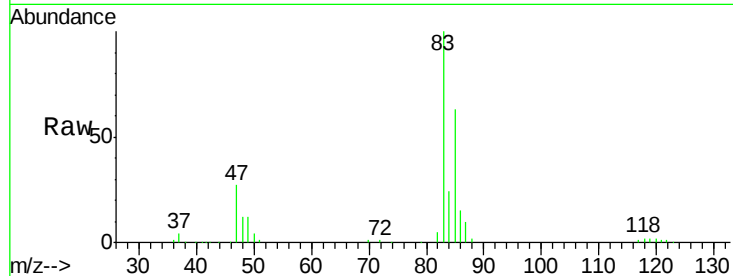
Ion 51.00 (50.70 to 51.70): VU0





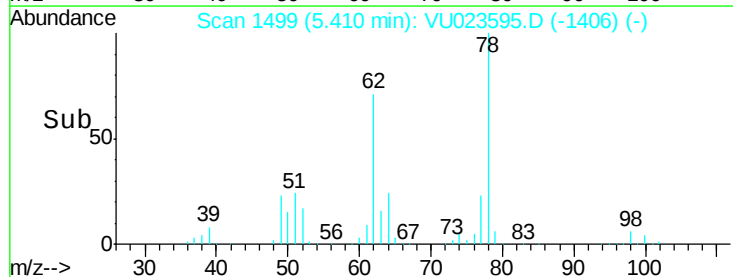
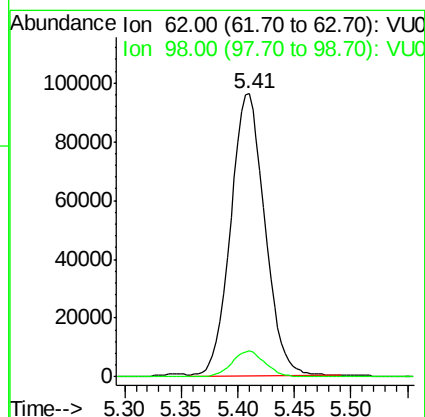
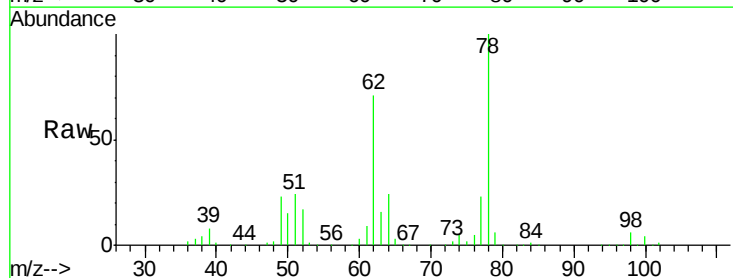
#25
Chloroform
Concen: 43.93 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU023595.D
Acq: 03 May 2018 10:34

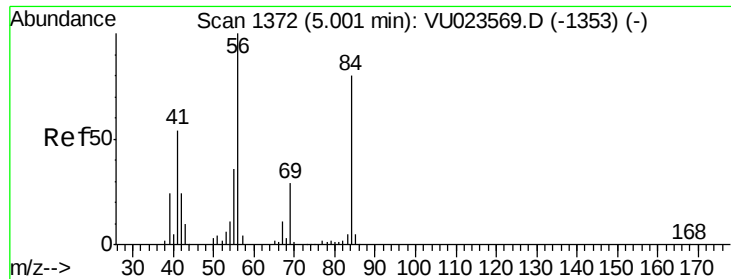
Tgt Ion: 83 Resp: 255238
Ion Ratio Lower Upper
83 100
85 63.2 44.4 82.5



#27
1,2-Dichloroethane
Concen: 47.08 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU023595.D
Acq: 03 May 2018 10:34

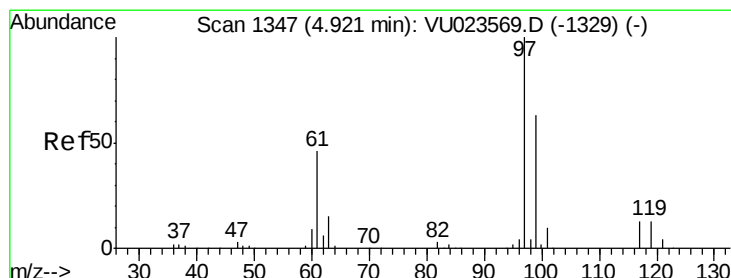
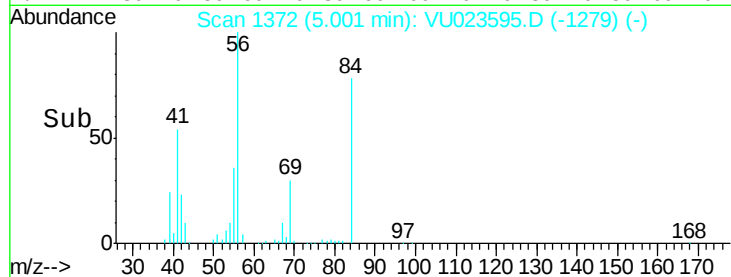
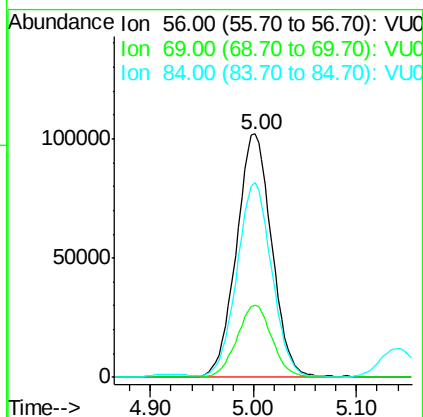
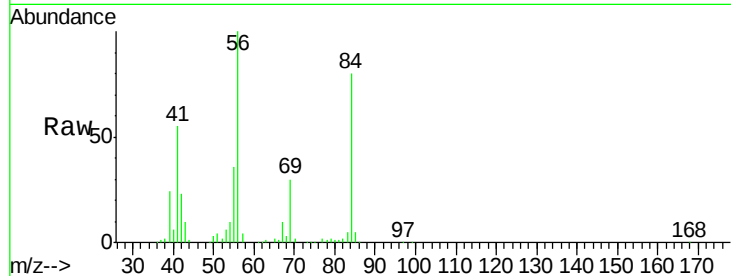
Tgt Ion: 62 Resp: 202839
Ion Ratio Lower Upper
62 100
98 9.0 7.3 10.9





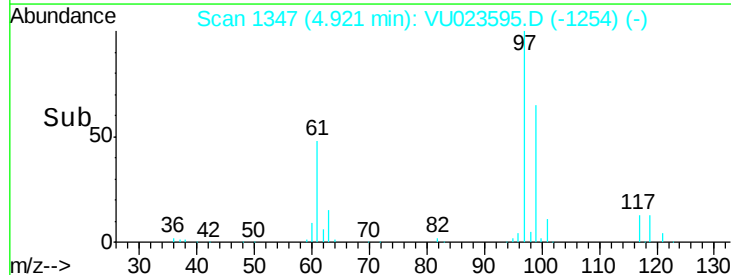
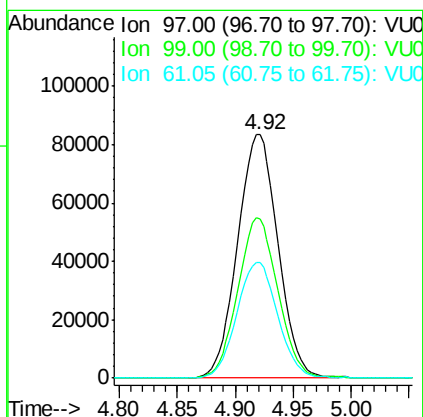
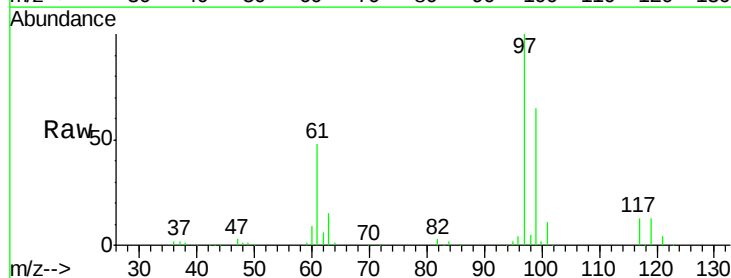
#29
Cyclohexane
Concen: 47.18 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU023595.D
Acq: 03 May 2018 10:34

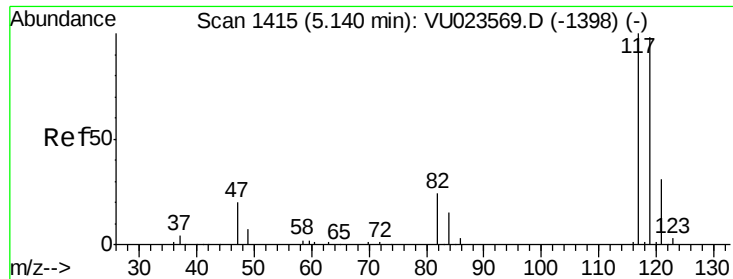
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.5	35.3
84	79.2	63.8	95.8



#30
1,1,1-Trichloroethane
Concen: 45.91 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU023595.D
Acq: 03 May 2018 10:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.6
61	47.9	37.7	56.5





#31

Carbon tetrachloride

Concen: 47.15 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU023595.D

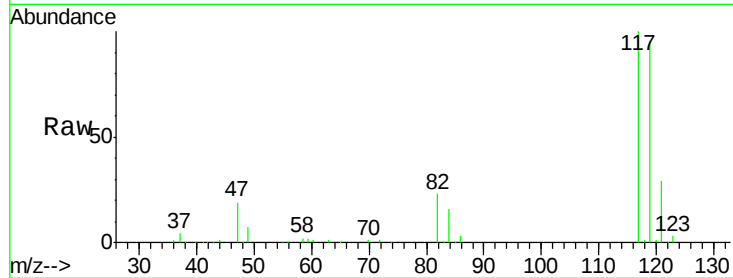
Acq: 03 May 2018 10:34

Tgt Ion: 117 Resp: 180978

Ion Ratio Lower Upper

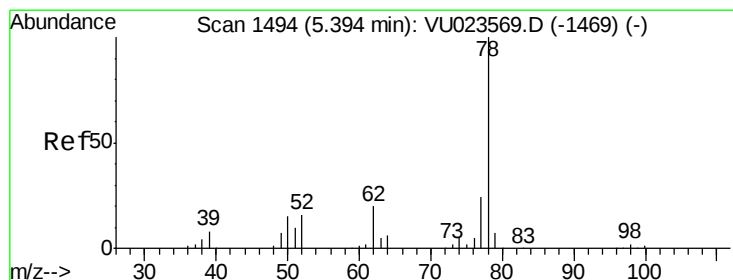
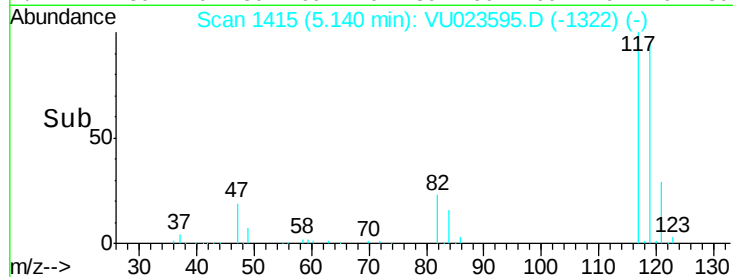
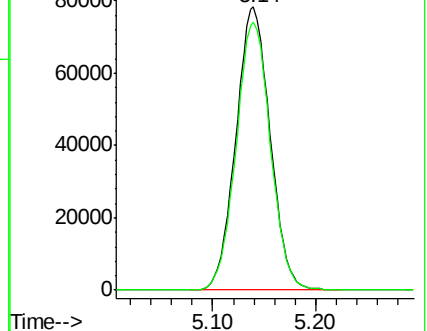
117 100

119 95.1 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.73 ug/L

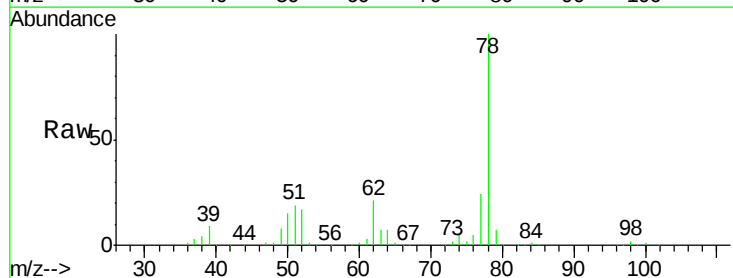
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

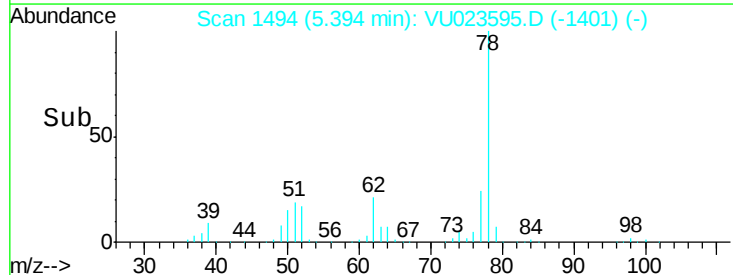
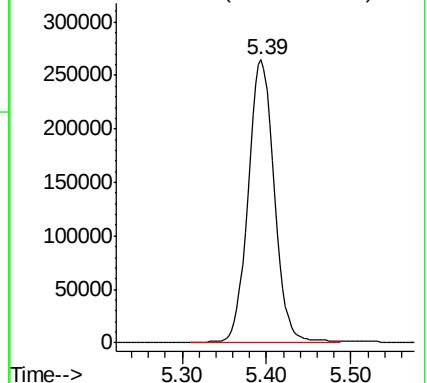
Lab File: VU023595.D

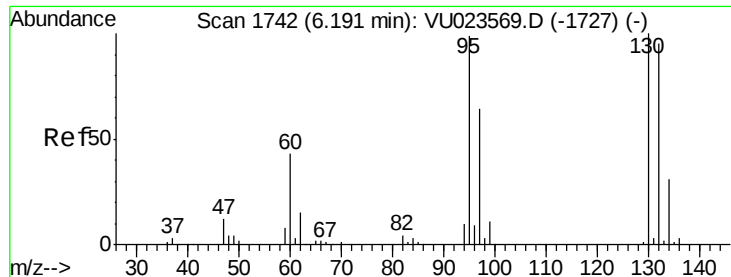
Acq: 03 May 2018 10:34

Tgt Ion: 78 Resp: 574210



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 45.97 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

Tgt Ion: 95 Resp: 144746

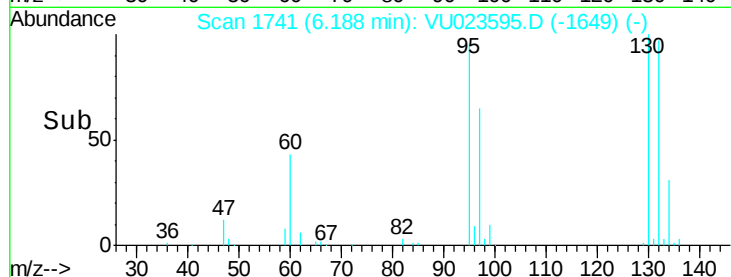
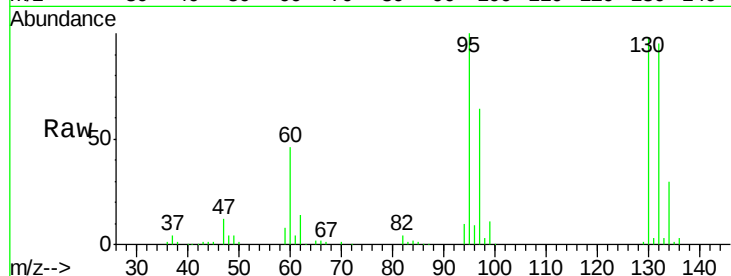
Ion Ratio Lower Upper

95 100

97 64.1 46.3 85.9

132 95.0 68.5 127.1

130 98.4 70.8 131.4

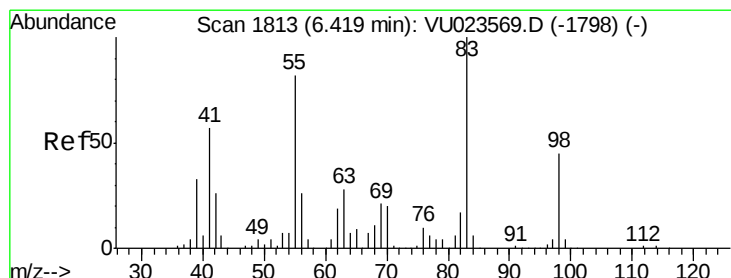
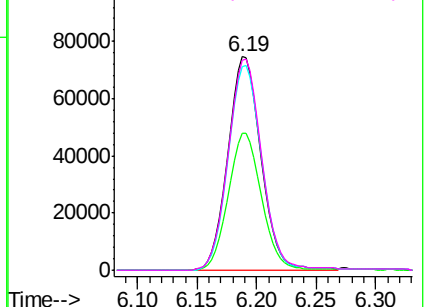


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 46.90 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

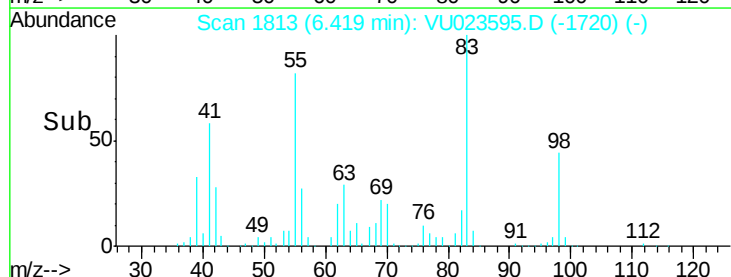
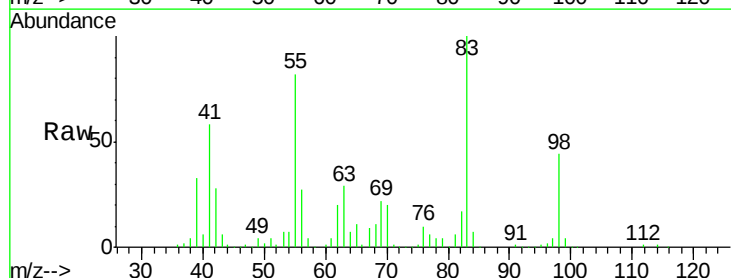
Tgt Ion: 83 Resp: 230983

Ion Ratio Lower Upper

83 100

55 84.5 66.7 100.1

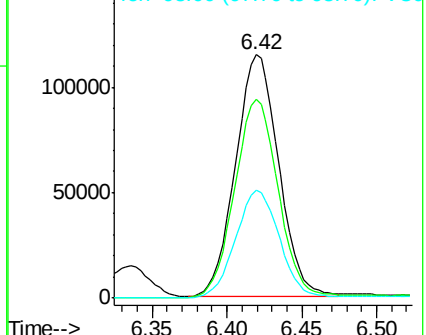
98 45.6 36.6 54.8

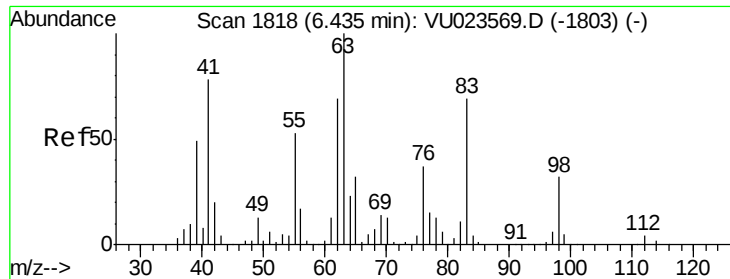


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 46.41 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU023595.D

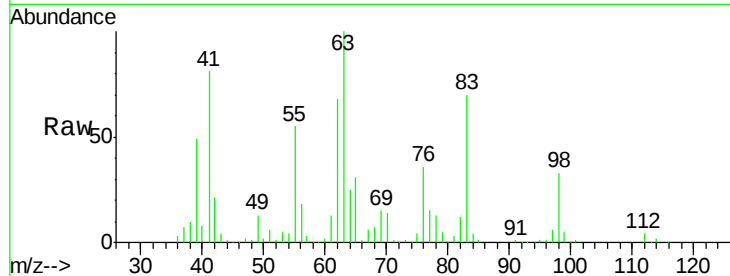
Acq: 03 May 2018 10:34

Tgt Ion: 63 Resp: 163478

Ion Ratio Lower Upper

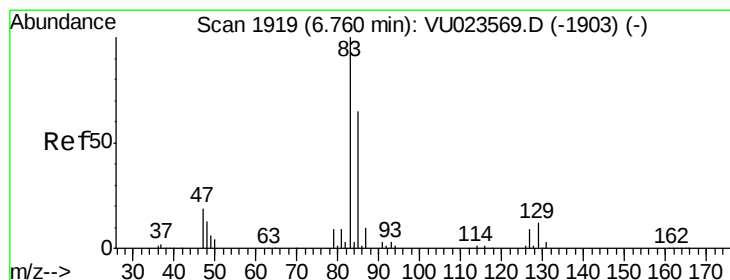
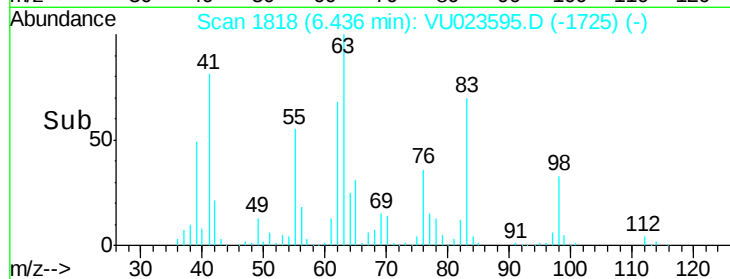
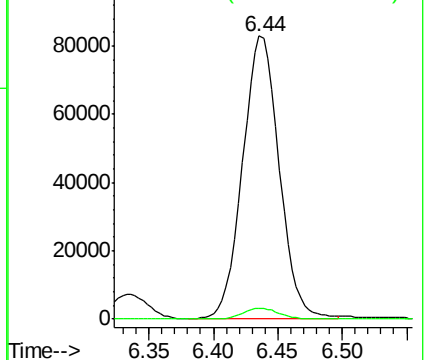
63 100

112 3.8 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 47.46 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

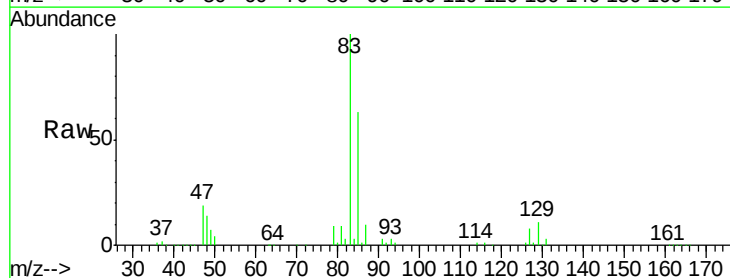
Tgt Ion: 83 Resp: 188589

Ion Ratio Lower Upper

83 100

85 63.4 45.1 83.7

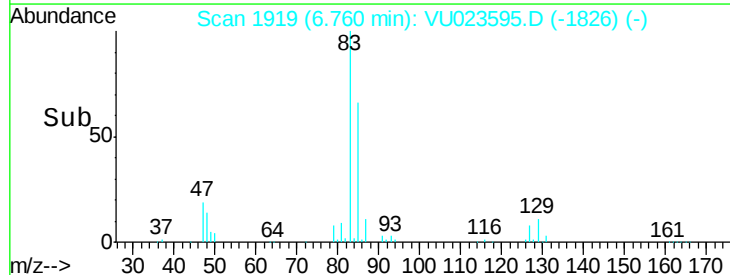
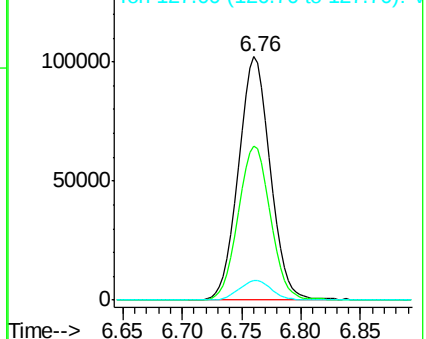
127 8.1 6.9 10.3

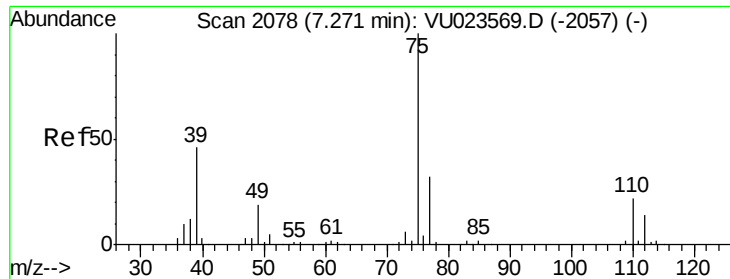


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

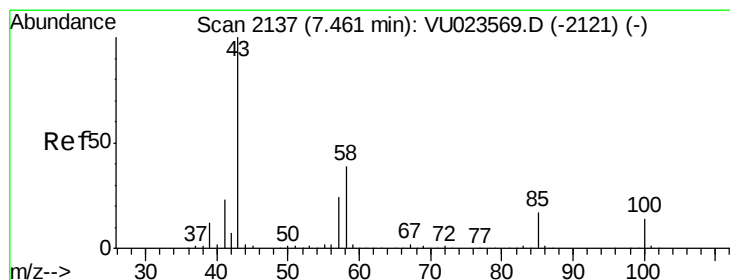
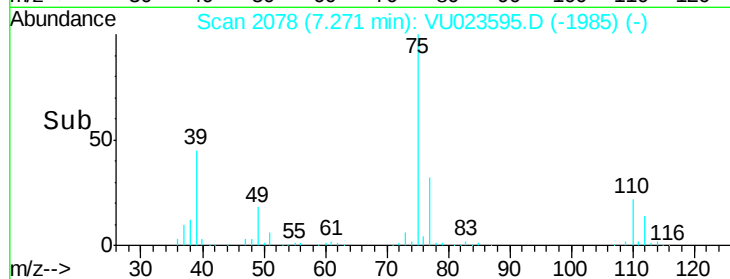
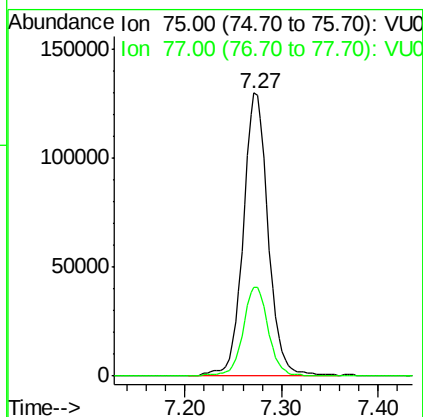
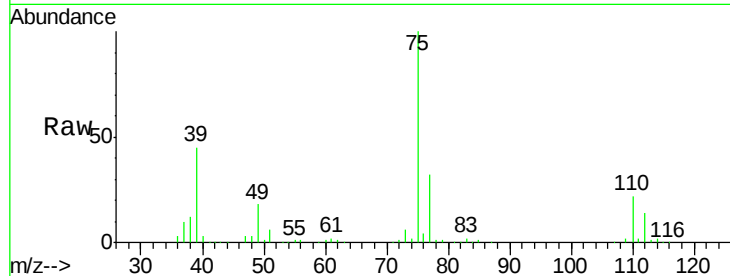
Ion 127.00 (126.70 to 127.70): V





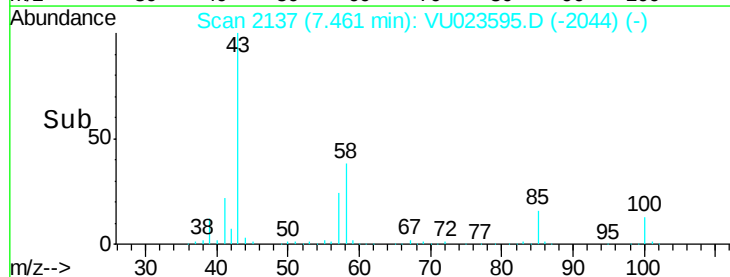
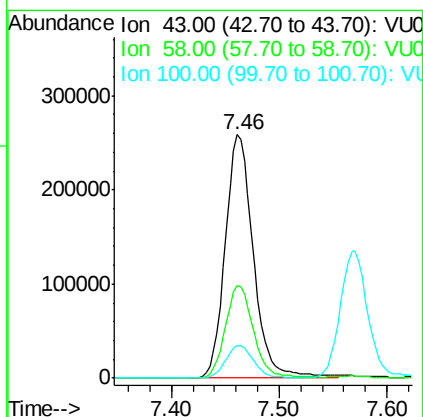
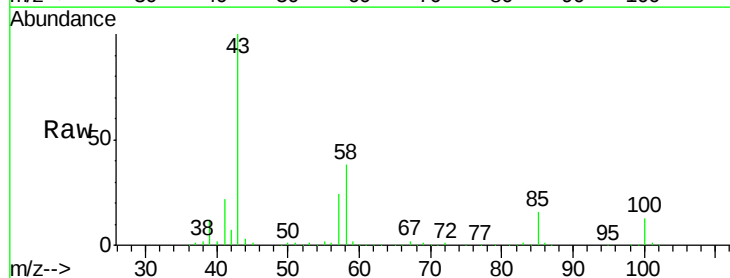
#39
 cis-1,3-Dichloropropene
 Concen: 48.02 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU023595.D
 Acq: 03 May 2018 10:34

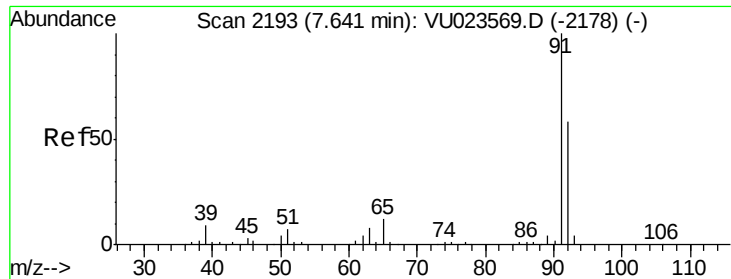
Tgt Ion: 75 Resp: 233077
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 109.29 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU023595.D
 Acq: 03 May 2018 10:34

Tgt Ion: 43 Resp: 469971
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.8 46.2
 100 13.3 10.7 16.1





#42

Toluene

Concen: 47.52 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU023595.D

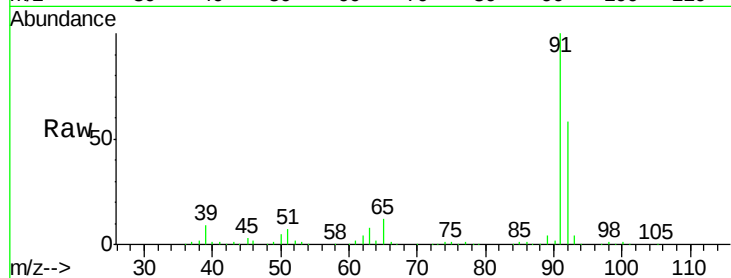
Acq: 03 May 2018 10:34

Tgt Ion: 91 Resp: 605257

Ion Ratio Lower Upper

91 100

92 57.8 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

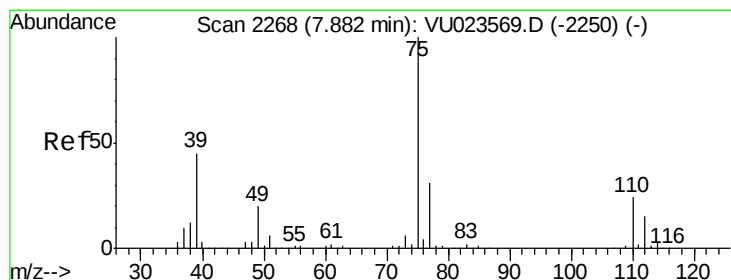
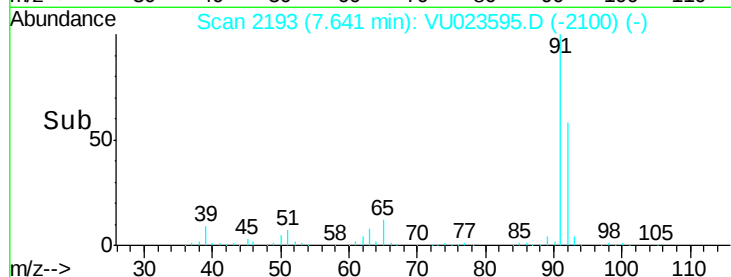
200000

100000

0

Time-->

7.50 7.60 7.70 7.80



#44

trans-1,3-Dichloropropene

Concen: 49.60 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU023595.D

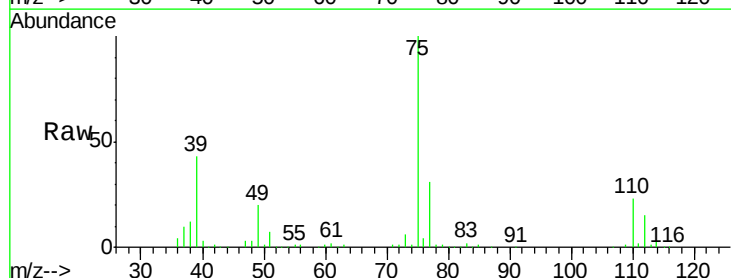
Acq: 03 May 2018 10:34

Tgt Ion: 75 Resp: 214798

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

150000

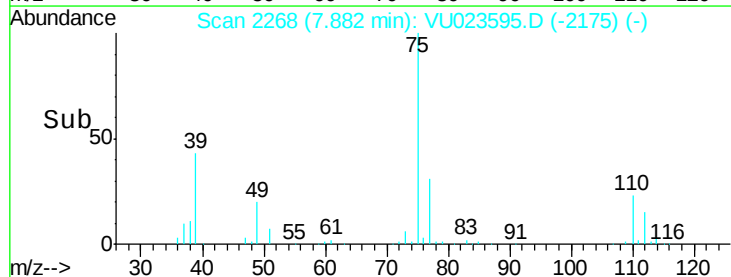
100000

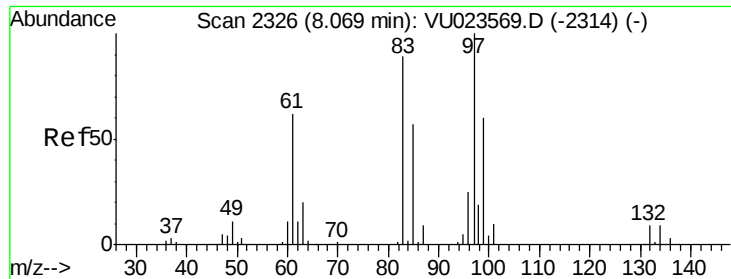
50000

0

Time-->

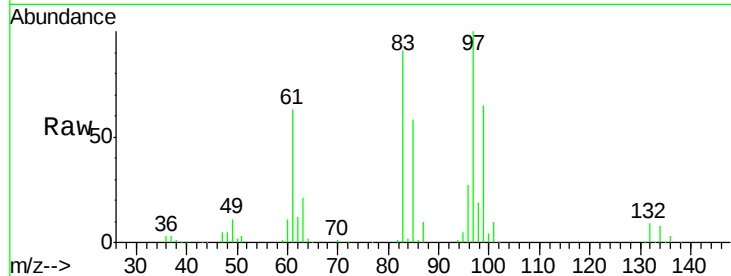
7.80 7.90 8.00



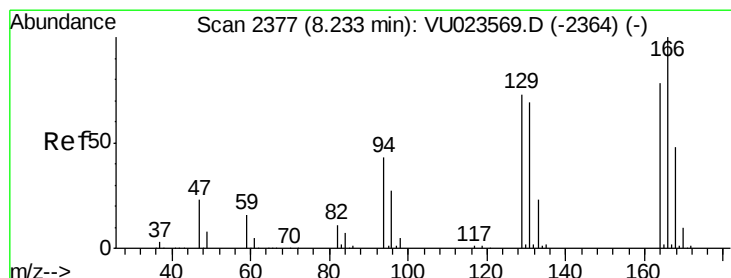
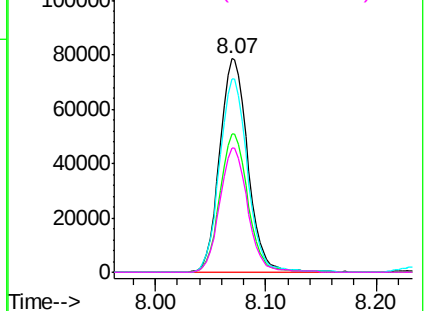
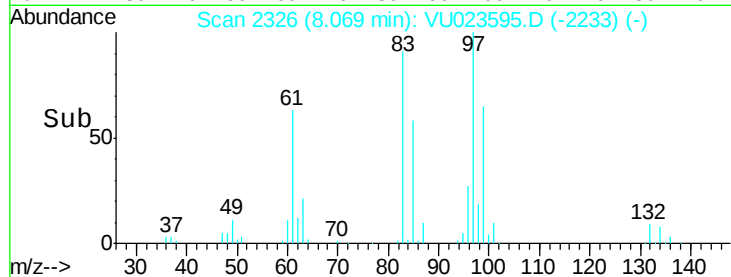


#45
 1,1,2-Trichloroethane
 Concen: 46.55 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU023595.D
 Acq: 03 May 2018 10:34

Tgt Ion:	97	Resp:	139298
Ion	Ratio	Lower	Upper
97	100		
99	64.8	44.2	82.2
83	90.7	63.1	117.1
85	58.0	40.3	74.8

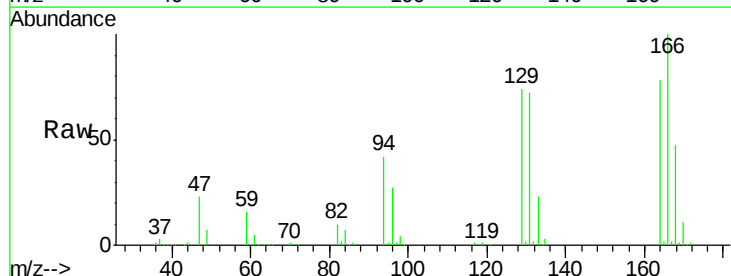


Abundance Ion 97.00 (96.70 to 97.70): VU023595.D (-2233) (-)
 Ion 99.00 (98.70 to 99.70): VU023595.D (-2233) (-)
 Ion 83.00 (82.70 to 83.70): VU023595.D (-2233) (-)
 Ion 85.00 (84.70 to 85.70): VU023595.D (-2233) (-)

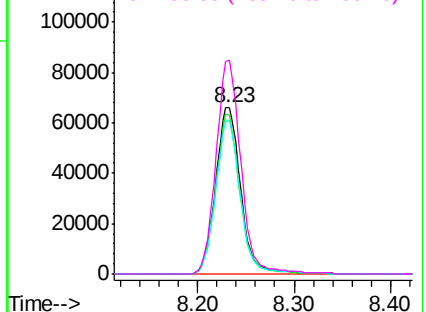
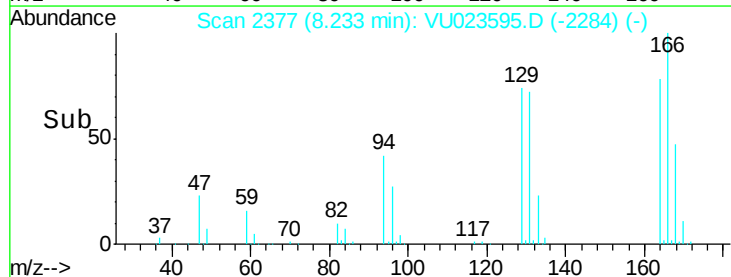


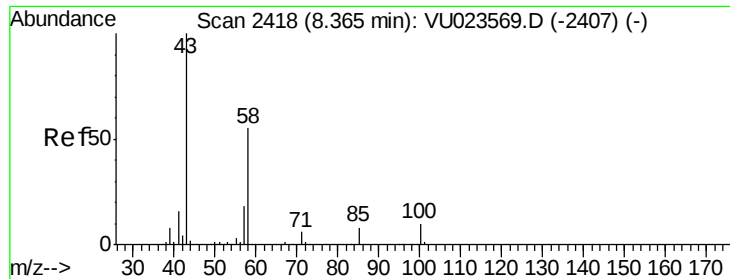
#46
 Tetrachloroethene
 Concen: 46.32 ug/L
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU023595.D
 Acq: 03 May 2018 10:34

Tgt Ion:	164	Resp:	118869
Ion	Ratio	Lower	Upper
164	100		
129	95.5	64.2	119.2
131	92.0	64.1	119.1
166	128.4	89.4	166.0



Abundance Ion 164.00 (163.70 to 164.70): VU023595.D (-2284) (-)
 Ion 129.00 (128.70 to 129.70): VU023595.D (-2284) (-)
 Ion 131.00 (130.70 to 131.70): VU023595.D (-2284) (-)
 Ion 166.00 (165.70 to 166.70): VU023595.D (-2284) (-)





#48

2-Hexanone

Concen: 106.44 ug/L

RT: 8.36 min Scan# 2418

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

Tgt Ion: 43 Resp: 398665

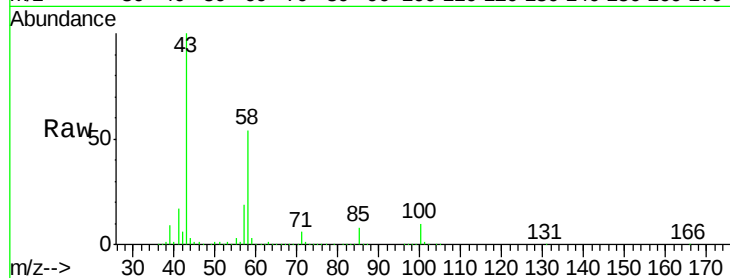
Ion Ratio Lower Upper

43 100

58 53.3 43.0 64.6

57 18.4 14.6 22.0

100 10.4 8.4 12.6

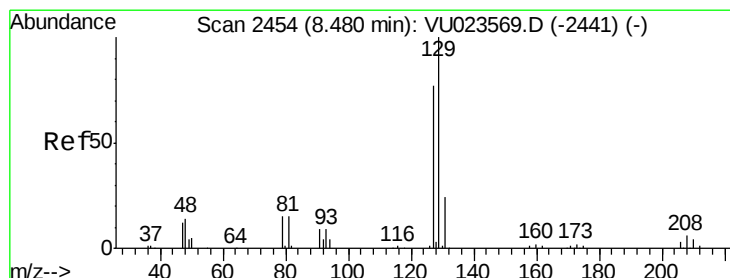
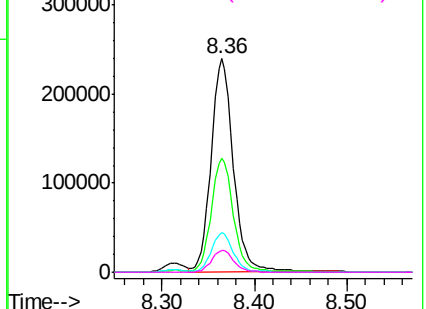
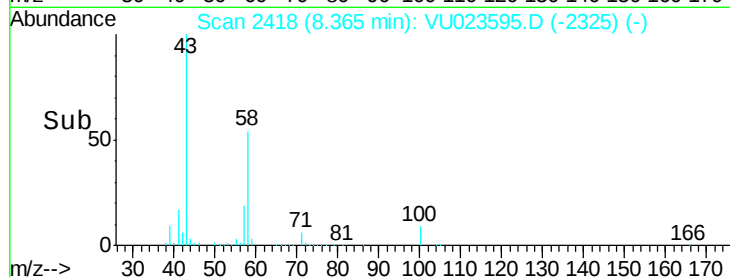


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 48.19 ug/L

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU023595.D

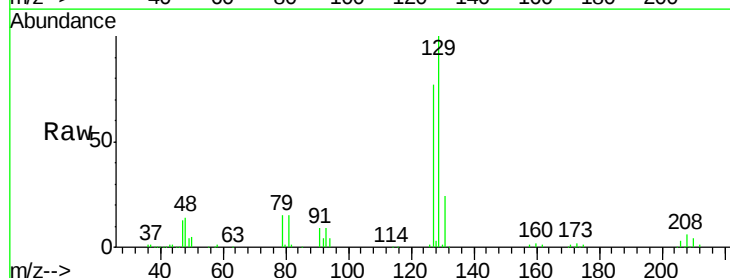
Acq: 03 May 2018 10:34

Tgt Ion: 129 Resp: 151895

Ion Ratio Lower Upper

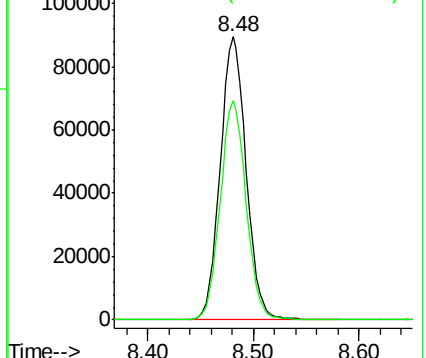
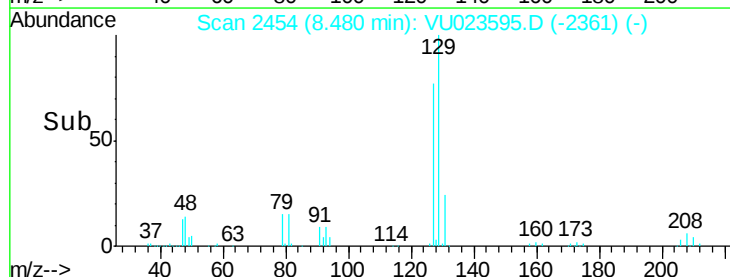
129 100

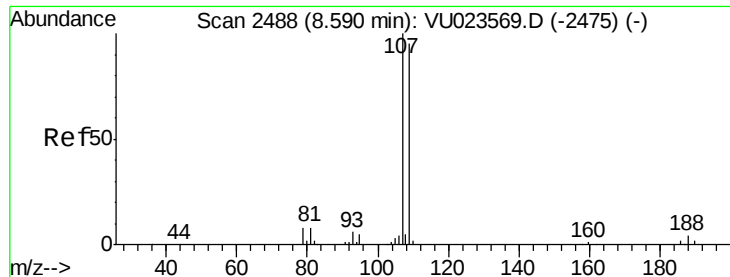
127 77.4 53.3 99.1



Abundance Ion 129.00 (128.70 to 129.70): V

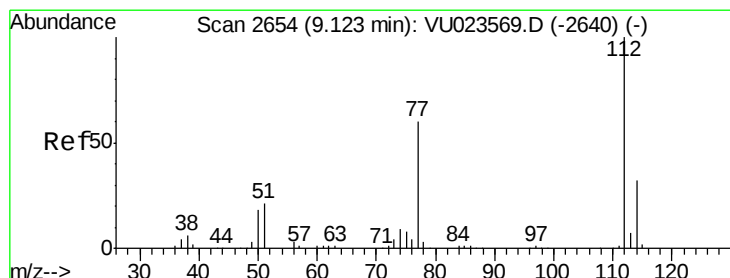
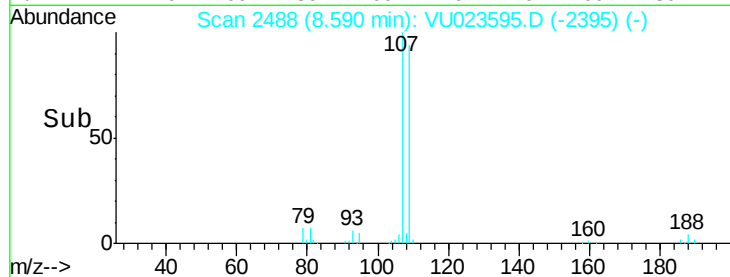
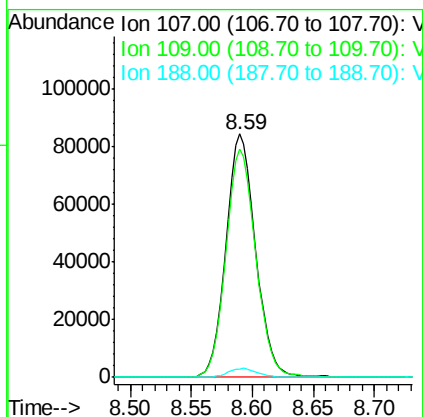
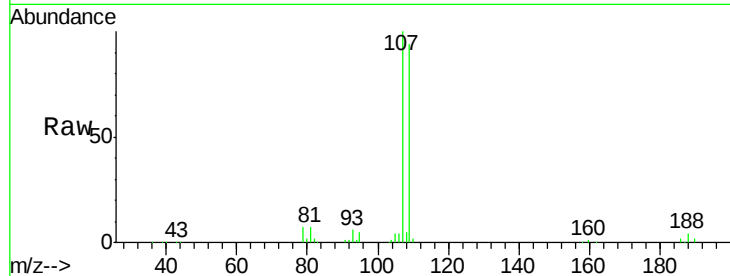
Ion 127.00 (126.70 to 127.70): V





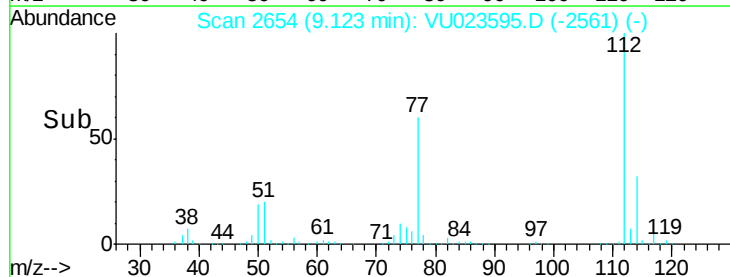
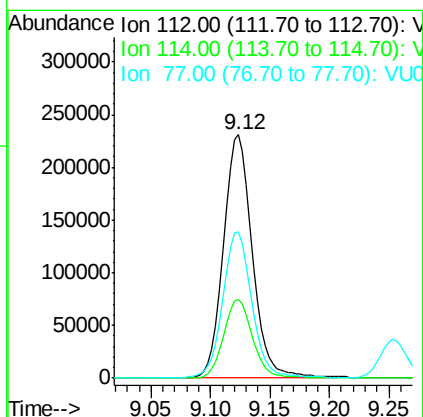
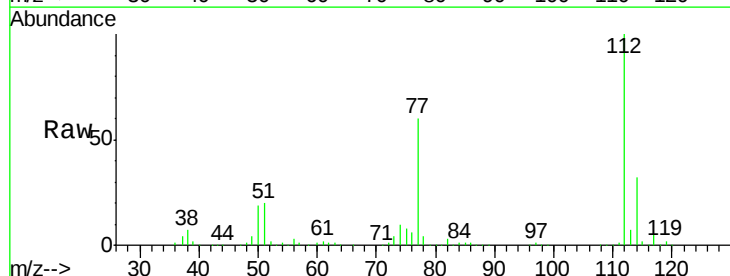
#50
1,2-Dibromoethane
Concen: 47.51 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU023595.D
Acq: 03 May 2018 10:34

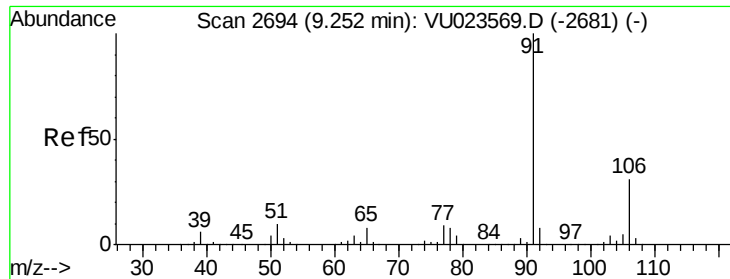
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.1	122.7
188	3.6	3.2	4.8



#51
Chlorobenzene
Concen: 45.87 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU023595.D
Acq: 03 May 2018 10:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.3
77	60.1	47.5	71.3





#52

Ethylbenzene

Concen: 48.33 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU023595.D

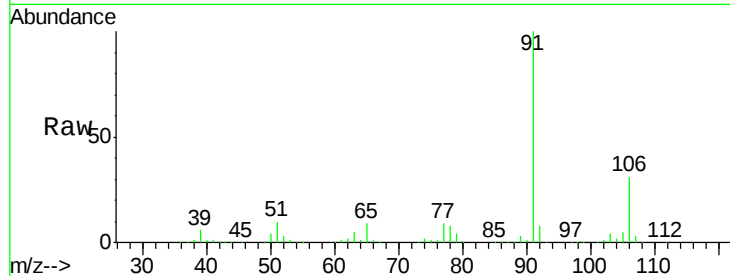
Acq: 03 May 2018 10:34

Tgt Ion: 91 Resp: 667337

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU023569.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU023569.D (-2681) (-)

9.25

400000

300000

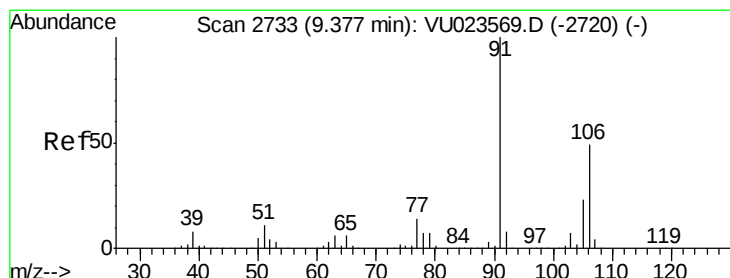
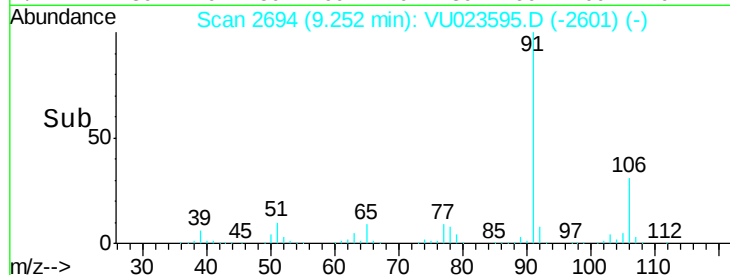
200000

100000

0

Time-->

9.15 9.20 9.25 9.30 9.35



#53

m,p-Xylene

Concen: 48.12 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU023595.D

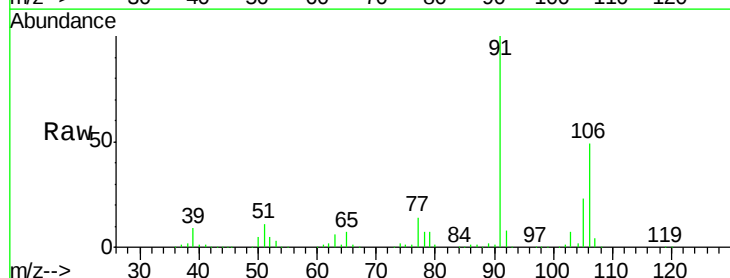
Acq: 03 May 2018 10:34

Tgt Ion: 106 Resp: 253386

Ion Ratio Lower Upper

106 100

91 202.6 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): VU023569.D (-2720) (-)

Ion 91.00 (90.70 to 91.70): VU023569.D (-2720) (-)

9.38

300000

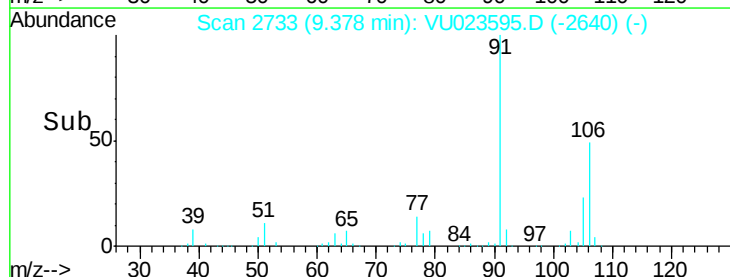
200000

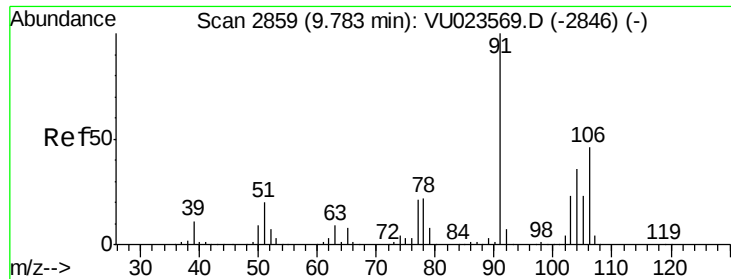
100000

0

Time-->

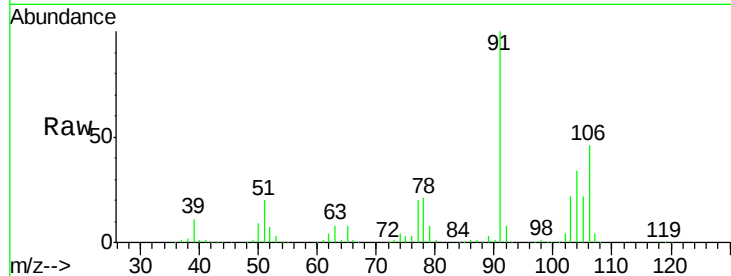
9.30 9.35 9.40 9.45 9.50



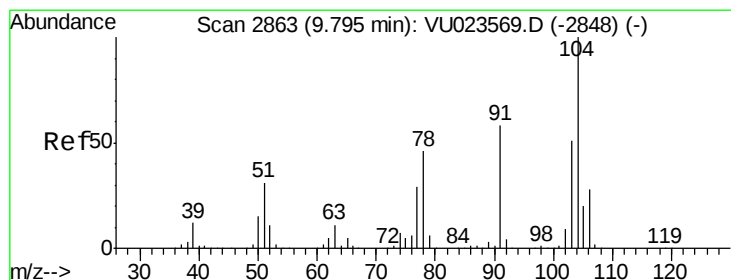
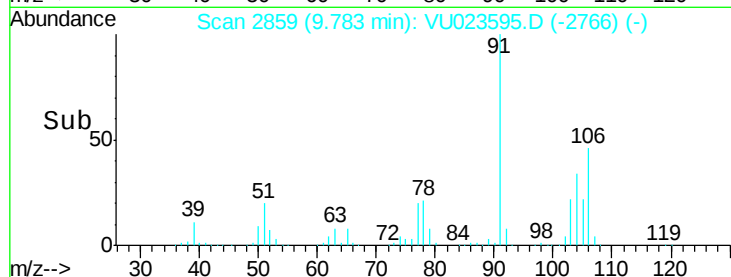
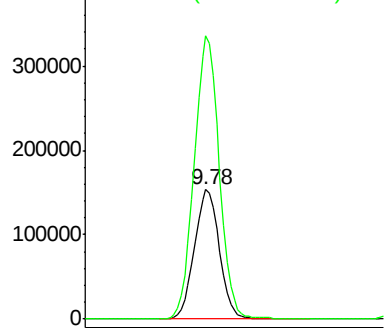


#54
o-xylene
Concen: 48.51 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU023595.D
Acq: 03 May 2018 10:34

Tgt Ion:106 Resp: 242038
Ion Ratio Lower Upper
106 100
91 218.6 148.9 276.5

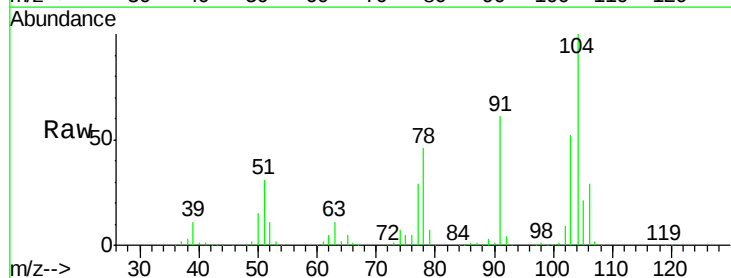


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

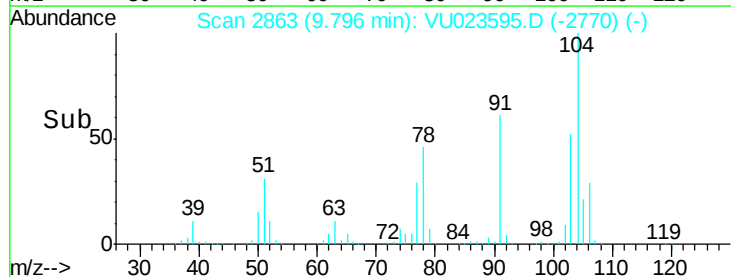
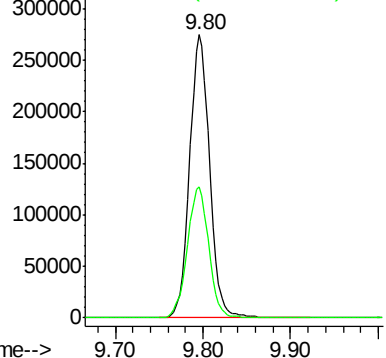


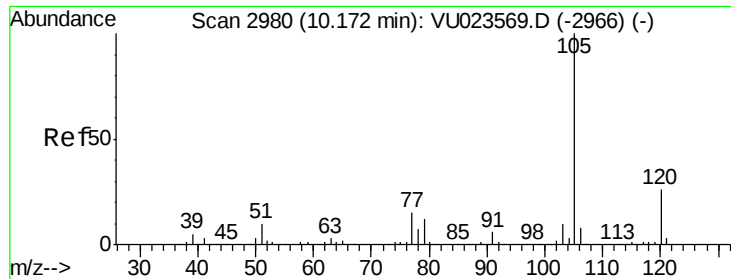
#55
Styrene
Concen: 49.76 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU023595.D
Acq: 03 May 2018 10:34

Tgt Ion:104 Resp: 434334
Ion Ratio Lower Upper
104 100
78 46.4 32.1 59.7



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





#56

Isopropylbenzene

Concen: 49.23 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

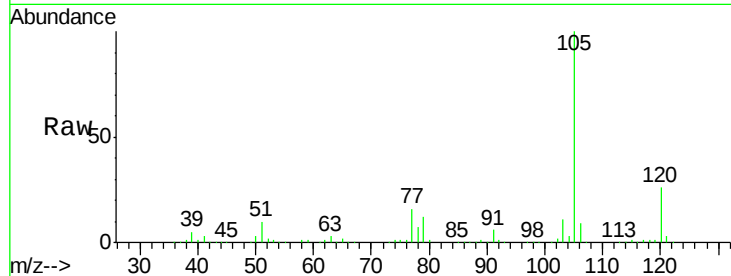
Tgt Ion: 105 Resp: 644696

Ion Ratio Lower Upper

105 100

120 26.4 20.9 31.3

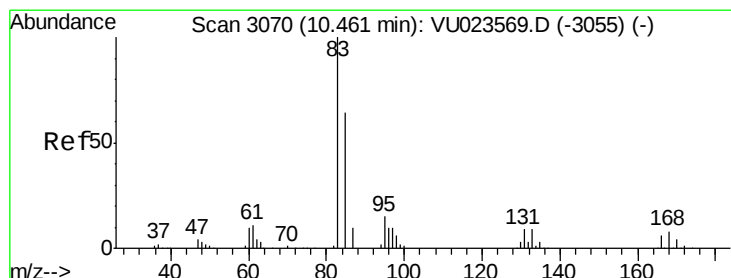
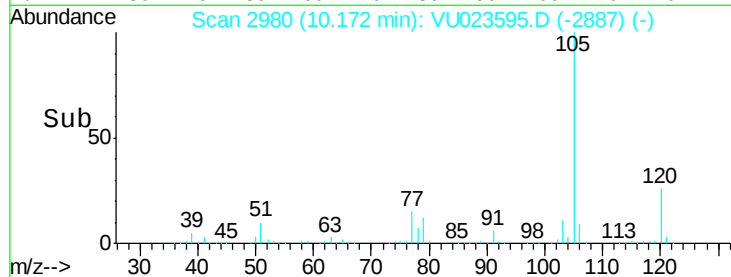
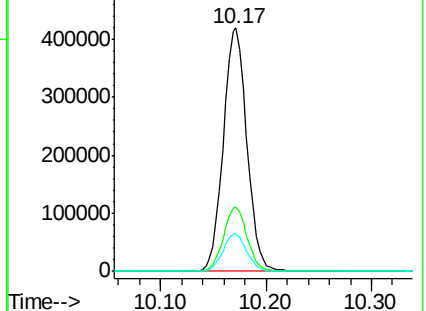
77 15.8 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.71 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

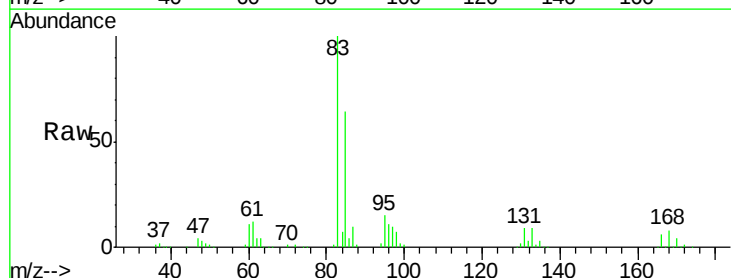
Tgt Ion: 83 Resp: 244256

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.6

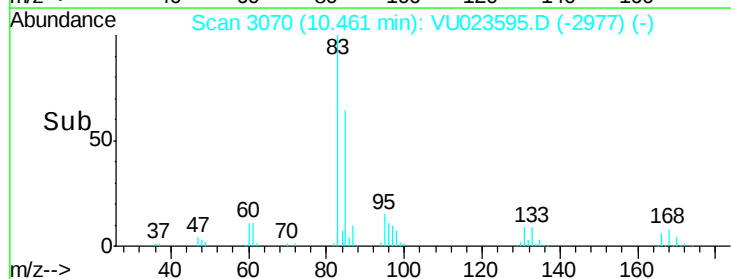
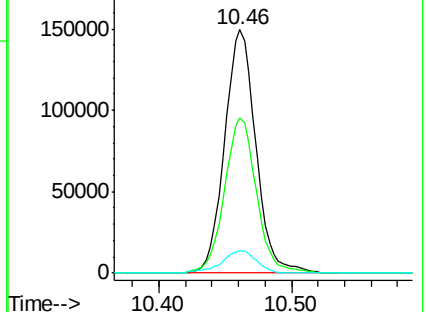
131 9.3 7.9 11.9

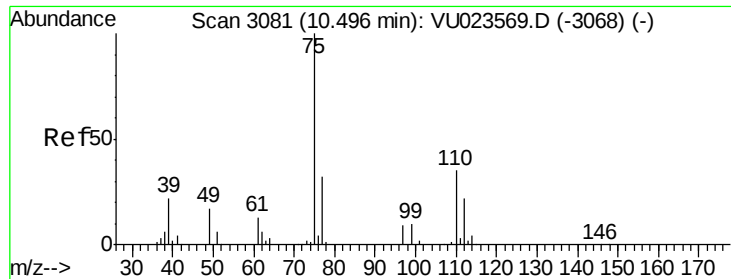


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

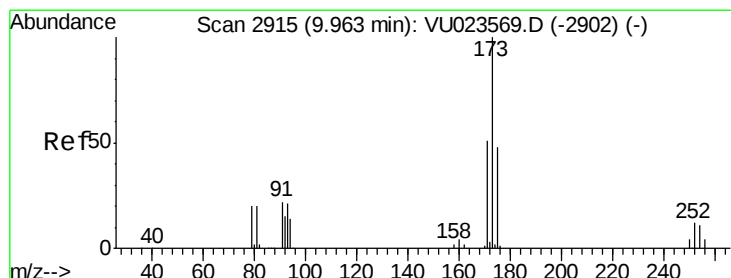
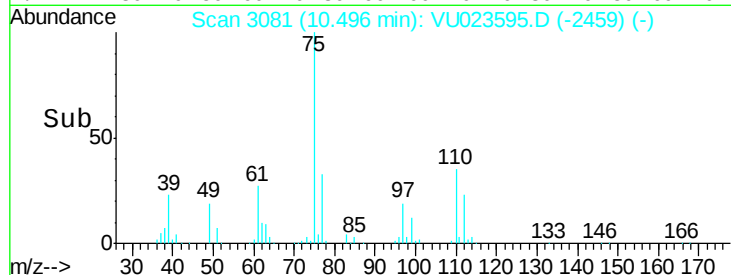
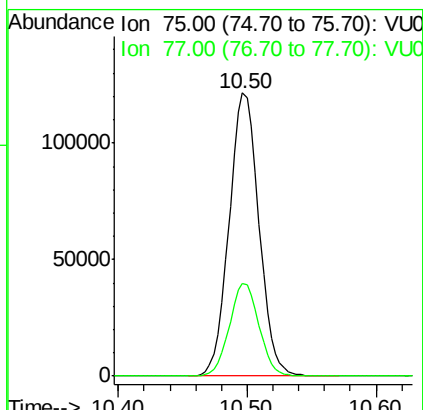
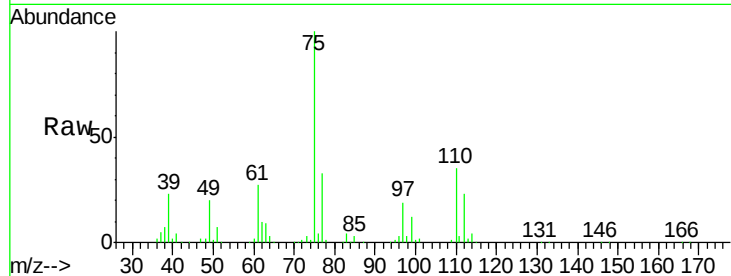
Ion 131.00 (130.70 to 131.70): V





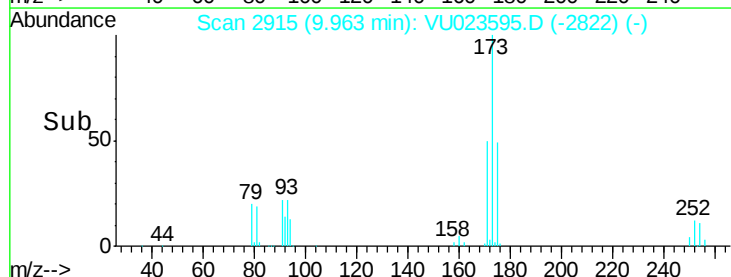
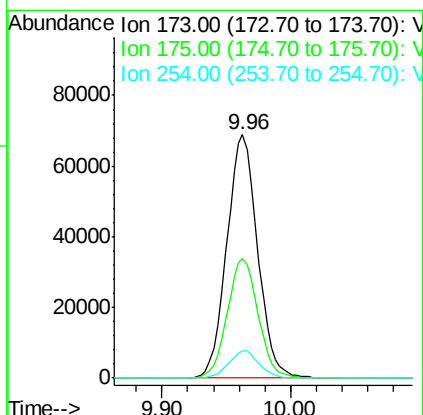
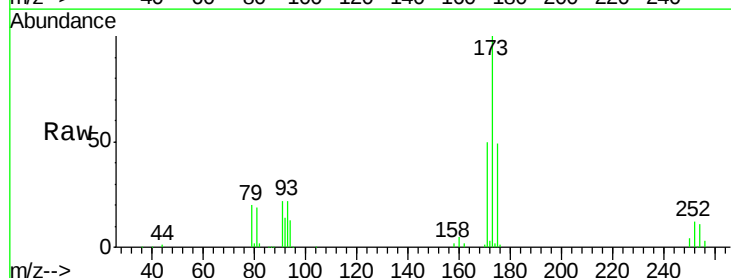
#59
 1,2,3-Trichloropropane
 Concen: 50.18 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU023595.D
 Acq: 03 May 2018 10:34

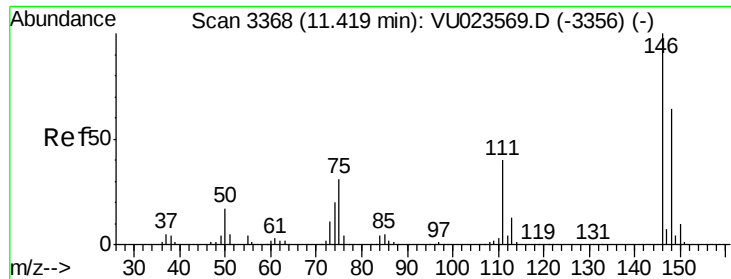
Tgt Ion: 75 Resp: 195133
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.9 38.9



#61
 Bromoform
 Concen: 49.29 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU023595.D
 Acq: 03 May 2018 10:34

Tgt Ion: 173 Resp: 113756
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.0 58.4
 254 11.0 8.8 13.2





#62

1,3-Dichlorobenzene

Concen: 46.51 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

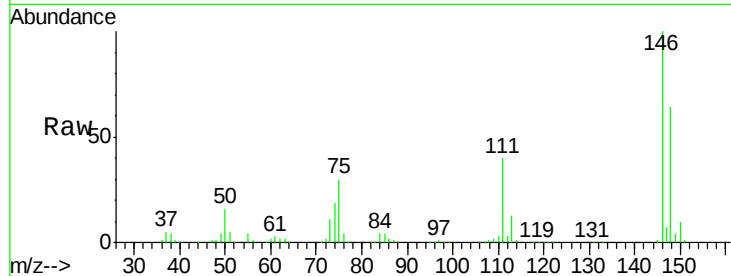
Tgt Ion:146 Resp: 307874

Ion Ratio Lower Upper

146 100

111 39.5 27.9 51.7

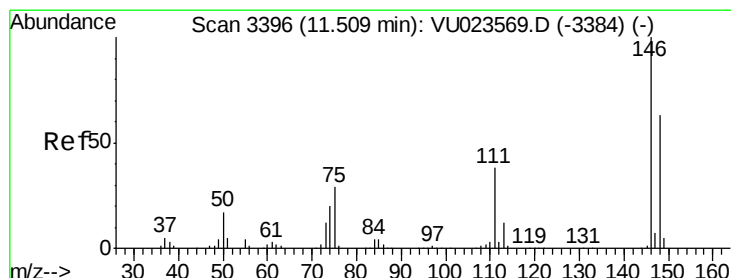
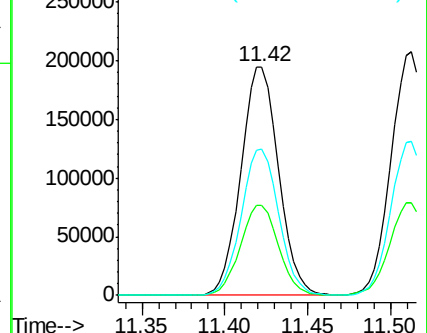
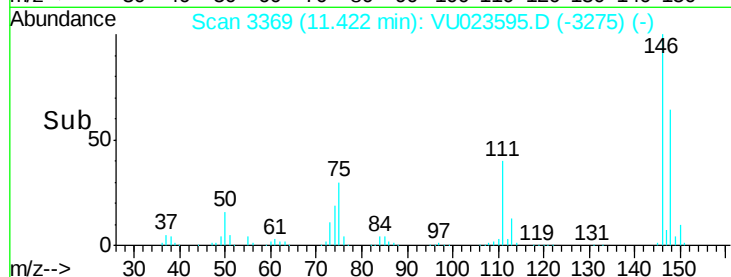
148 63.9 44.4 82.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 46.64 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

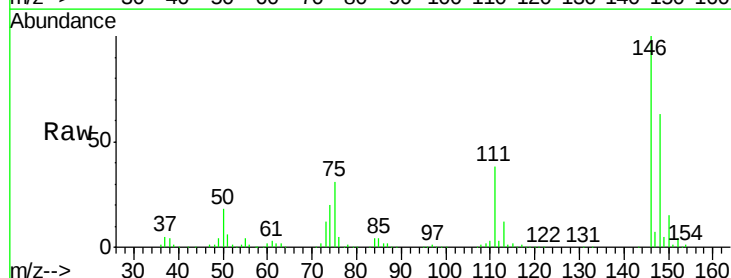
Tgt Ion:146 Resp: 322372

Ion Ratio Lower Upper

146 100

111 37.9 26.8 49.8

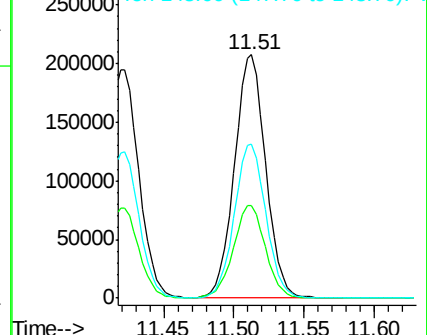
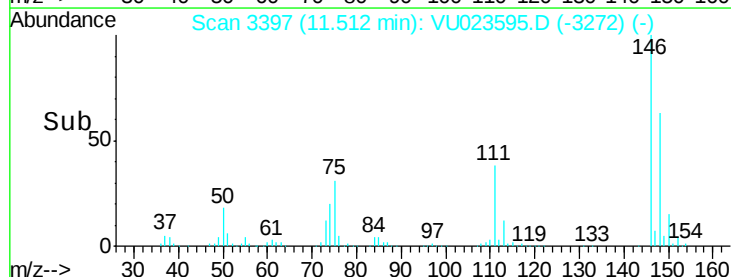
148 63.2 44.8 83.2

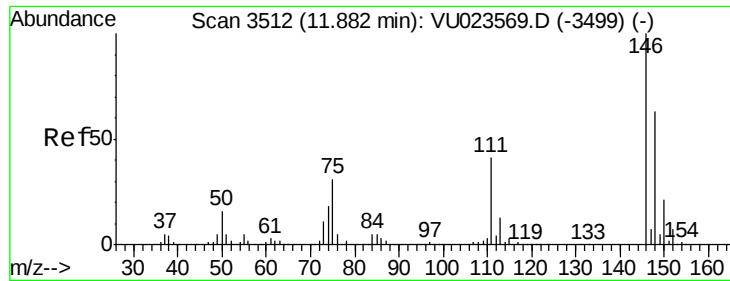


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 46.76 ug/L

RT: 11.88 min Scan# 3512

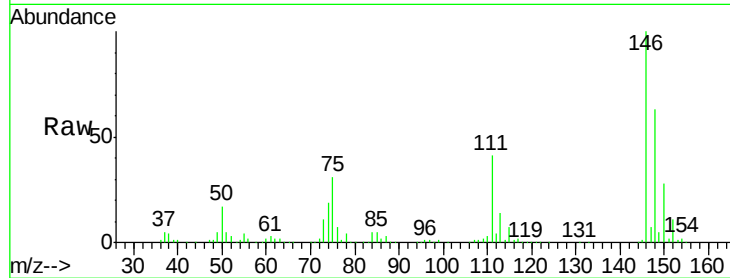
Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

Tgt Ion: 146 Resp: 316644

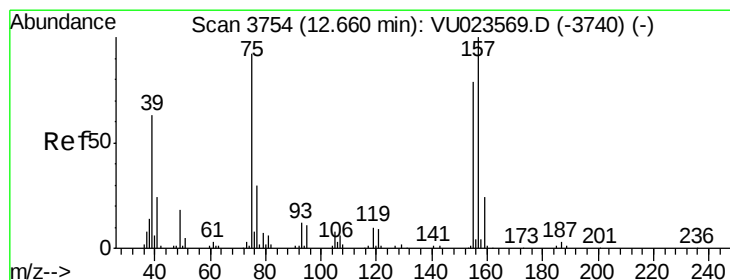
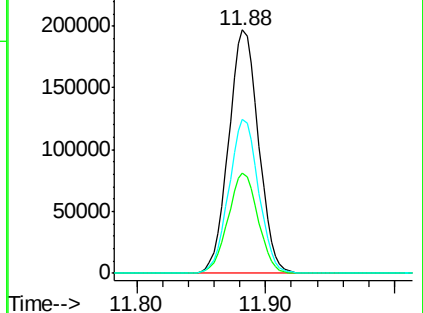
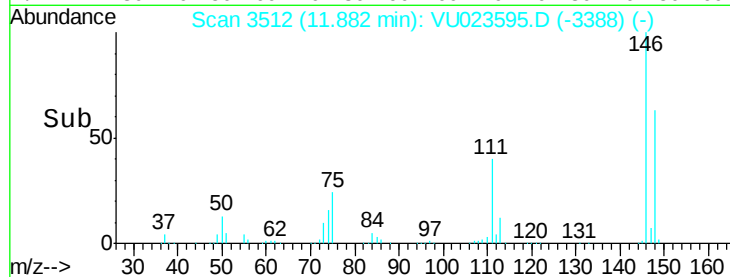
Ion	Ratio	Lower	Upper
146	100		
111	41.3	32.9	49.3
148	63.1	51.0	76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 53.83 ug/L

RT: 12.66 min Scan# 3754

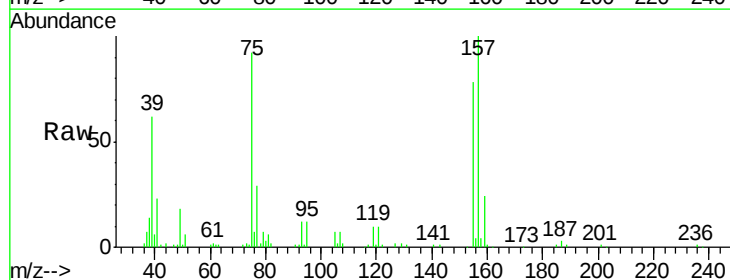
Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

Tgt Ion: 75 Resp: 52936

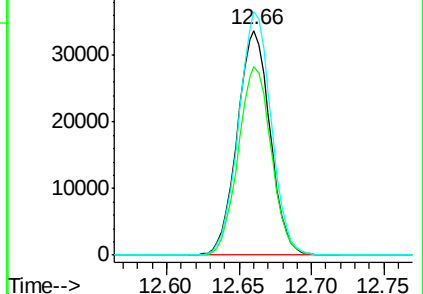
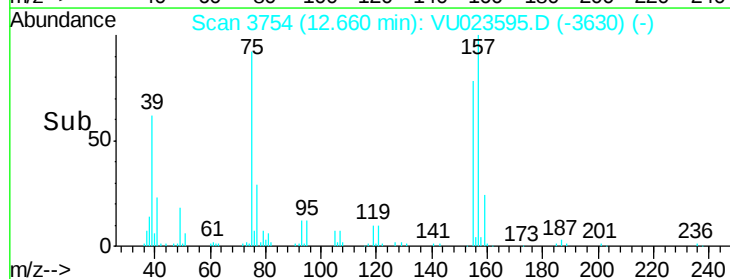
Ion	Ratio	Lower	Upper
75	100		
155	84.1	68.9	103.3
157	108.5	89.9	134.9

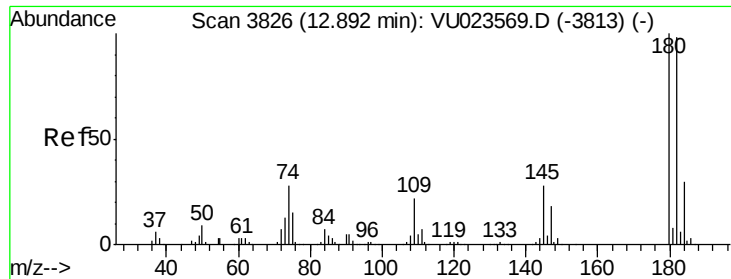


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

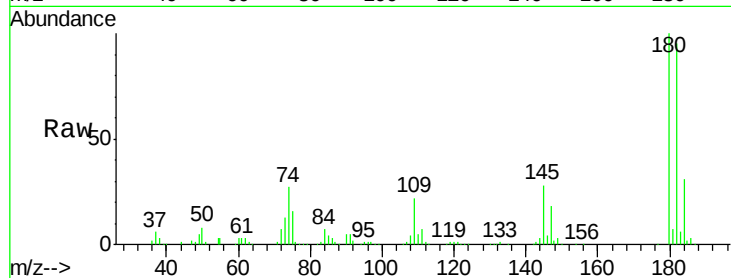
Ion 157.00 (156.70 to 157.70): V





#67
 1,3,5-Trichlorobenzene
 Concen: 46.30 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU023595.D
 Acq: 03 May 2018 10:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.5	114.7
184	30.4	24.1	36.1
145	28.0	22.2	33.4



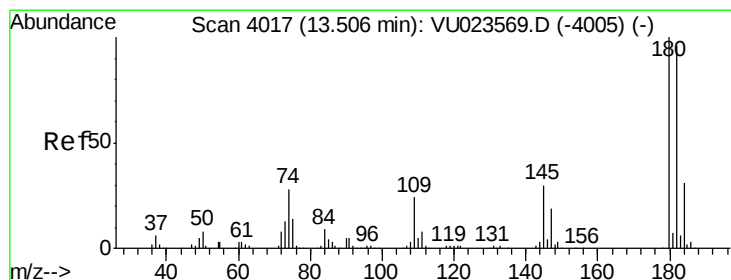
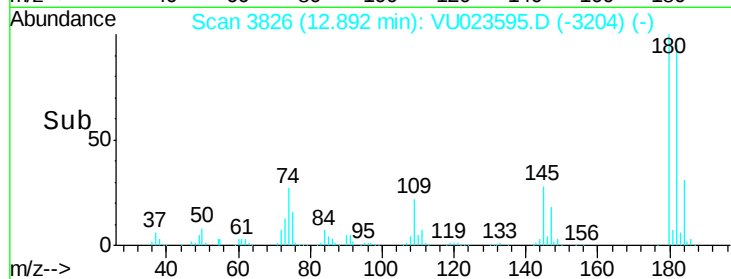
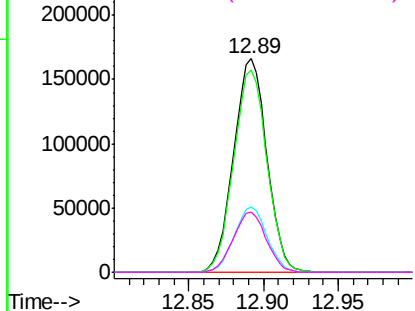
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

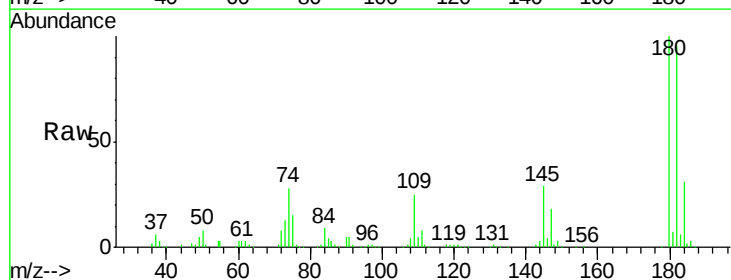
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.06 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU023595.D
 Acq: 03 May 2018 10:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.1	115.7
145	28.9	23.4	35.0

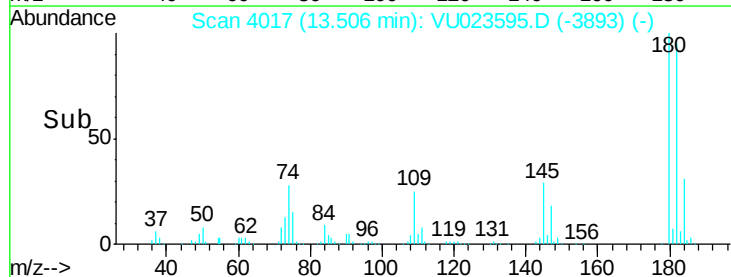
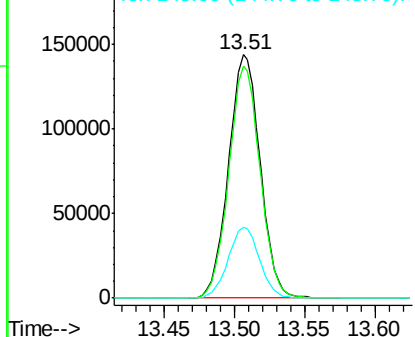


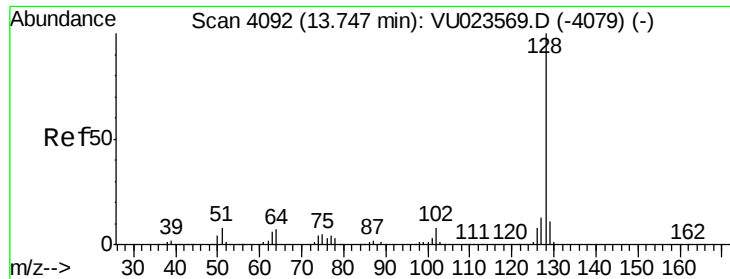
Abundance

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: 54.92 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

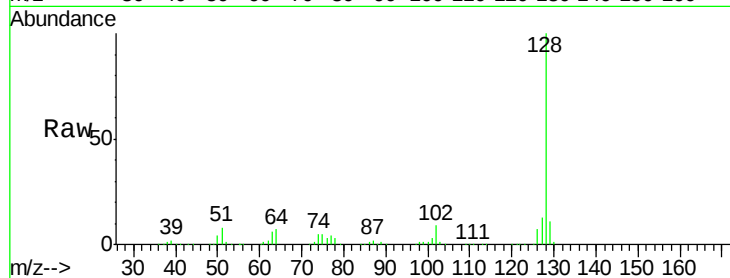
Tgt Ion:128 Resp: 678701

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

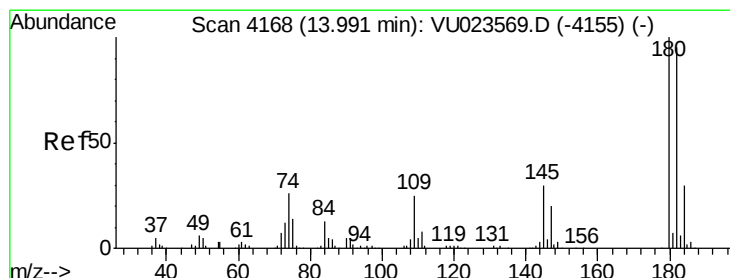
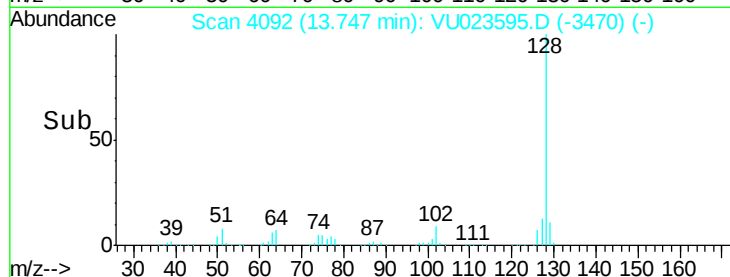
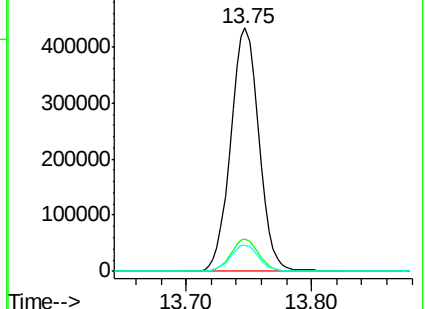
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.01 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU023595.D

Acq: 03 May 2018 10:34

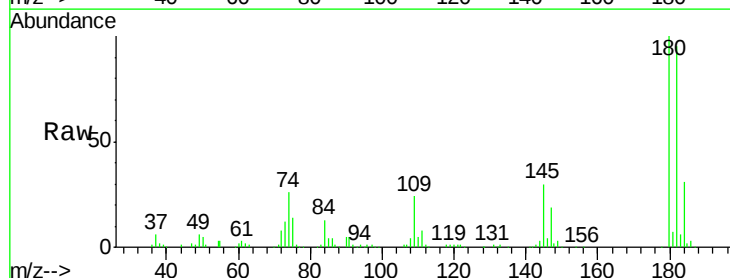
Tgt Ion:180 Resp: 235164

Ion Ratio Lower Upper

180 100

182 95.9 76.2 114.4

145 30.5 24.3 36.5



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

