

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031212.D
 Acq On : 13 Dec 2017 22:26
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 14 03:55:57 2017

Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 03:40:57 2017

QLast Update : Thu Dec 14 03:40:57 2017

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1387553	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3271884	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3772736m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2612696	8.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.18	85	1103754	7.79	ppbv	100
3) Chlorodifluoromethane	3.11	51	1710276	9.01	ppbv	100
4) Chloromethane	3.27	50	923183	12.95	ppbv	100
5) Vinyl Chloride	3.40	62	902724	11.60	ppbv	100
6) Bromomethane	3.63	94	555914	11.80	ppbv	100
7) Chloroethane	3.71	64	352753	12.73	ppbv	100
8) Dichlorotetrafluoroethane	3.32	85	1677015	10.14	ppbv	100
9) Propene	3.13	41	845543	10.74	ppbv	100
10) Heptane	8.41	43	2405780	10.28	ppbv	99
11) Trichlorofluoromethane	4.13	101	2036506	12.26	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1334835	13.50	ppbv	100
13) Ethanol	3.77	45	190609	12.65	ppbv	100
14) Bromoethene	3.91	108	618070	12.15	ppbv	100
15) Acetone	4.02	43	1664290	11.95	ppbv	100
16) 1,3-Butadiene	3.47	39	862651	13.14	ppbv	100
17) tert-Butyl alcohol	4.48	59	1118589	16.54	ppbv	100
18) 1,1-Dichloroethene	4.48	96	634051	13.18	ppbv	100
19) Isopropyl Alcohol	4.14	45	1240607	15.25	ppbv	100
20) Methylene Chloride	4.54	84	604559	12.48	ppbv	100
21) Allyl Chloride	4.61	41	1174508	16.91	ppbv	100
22) trans-1,2-Dichloroethene	5.10	96	772834	12.83	ppbv	100
23) Vinyl Acetate	5.30	43	2798661	11.28	ppbv	100
24) 1,1-Dichloroethane	5.23	63	2154595	10.07	ppbv	100
25) Ethyl Acetate	5.91	43	3754775	10.84	ppbv	100
26) Hexane	5.93	57	1740010	10.33	ppbv	100
27) Carbon Disulfide	4.76	76	1885166	15.94	ppbv	100
28) Methyl tert-Butyl Ether	5.25	73	2349915	12.64	ppbv	100
29) Chloroform	6.00	83	2338770	9.69	ppbv	100
30) Cyclohexane	7.41	84	1391310	10.34	ppbv	100
31) cis-1,2-Dichloroethene	5.79	61	1652813	10.25	ppbv	100
32) 1,1,1-Trichloroethane	6.78	97	2436917	12.10	ppbv	100
34) 2-Butanone	5.47	43	2551338	9.51	ppbv	100
35) Carbon Tetrachloride	7.30	117	2338546	10.17	ppbv	100
36) Benzene	7.17	78	3441676	9.19	ppbv	100
37) 1,2-Dichloroethane	6.57	62	1928421	8.77	ppbv	100
38) Trichloroethene	8.12	130	1309356	9.19	ppbv	100
39) 1,2-Dichloropropane	7.90	63	1277738	8.91	ppbv	100
40) 1,4-Dioxane	8.12	88	494906	8.69	ppbv #	100
41) Tetrahydrofuran	6.30	42	1424658	10.13	ppbv	100
42) Bromodichloromethane	8.08	83	2570850	9.81	ppbv	100
43) Methyl Methacrylate	8.30	69	1314047	10.03	ppbv	100

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 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 14 03:55:57 2017

Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 03:40:57 2017

QLast Update : Thu Dec 14 03:40:57 2017

Response via : Initial Calibration

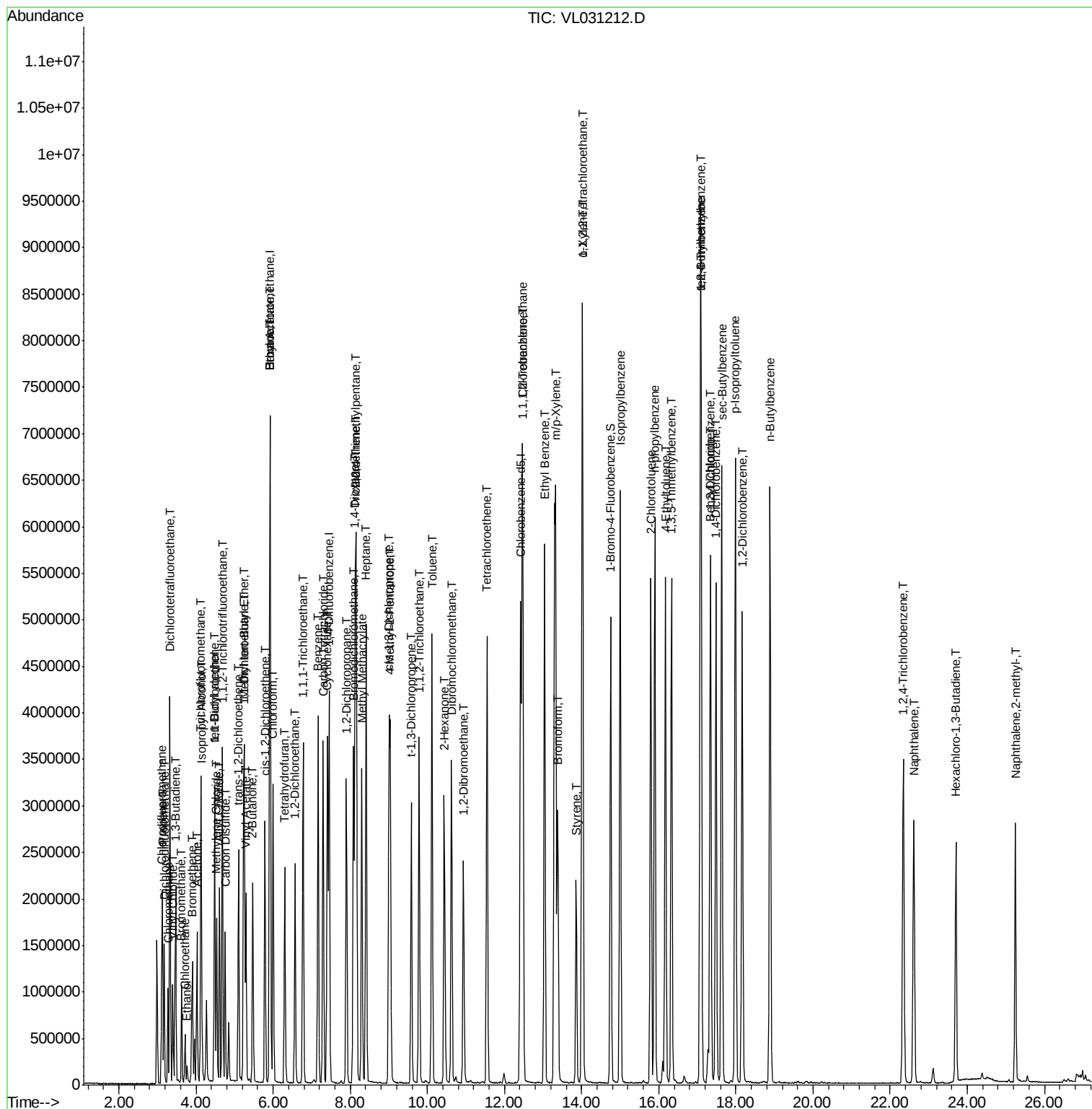
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

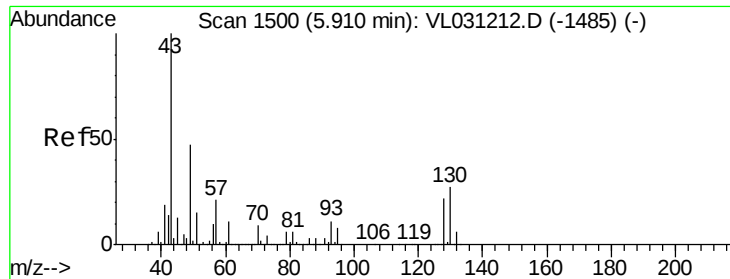
44) 2,2,4-Trimethylpentane	8.15	57	5598529	8.94	ppbv	100
45) t-1,3-Dichloropropene	9.58	75	1892518	11.66	ppbv	100
46) cis-1,3-Dichloropropene	9.00	75	2297556	10.69	ppbv	100
47) 1,1,2-Trichloroethane	9.79	97	1418456	9.33	ppbv	100
48) Dibromochloromethane	10.63	129	2280318	11.15	ppbv	100
49) Bromoform	13.38	173	1807695	11.70	ppbv	100
50) 4-Methyl-2-Pentanone	9.03	43	3142785	9.25	ppbv	100
51) 2-Hexanone	10.44	43	3054370	9.50	ppbv #	100
52) Tetrachloroethene	11.55	164	1297210	9.76	ppbv	100
53) Toluene	10.12	91	4115570	9.71	ppbv	100
54) 1,2-Dibromoethane	10.94	107	2149679	9.94	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.45	131	1556135	10.05	ppbv #	63
57) Chlorobenzene	12.48	112	3138704	8.51	ppbv	100
58) Ethyl Benzene	13.04	91	5680091	8.79	ppbv	100
59) m/p-Xylene	13.32	91	8982405m	16.48	ppbv	
60) o-Xylene	14.03	91	4505893	8.31	ppbv	100
61) Styrene	13.86	104	1391820	10.21	ppbv	100
62) Isopropylbenzene	15.00	105	5988174	9.23	ppbv	100
63) 1,1,2,2-Tetrachloroethane	14.01	83	2893392	6.85	ppbv	100
64) n-propylbenzene	15.90	120	1609839	9.07	ppbv	100
65) tert-Butylbenzene	17.08	119	4965954	8.72	ppbv	100
66) Benzyl Chloride	17.33	91	694610	14.25	ppbv	100
67) sec-Butylbenzene	17.63	105	7045090	8.17	ppbv	100
69) p-Isopropyltoluene	17.99	119	5842784	8.79	ppbv	100
70) n-Butylbenzene	18.89	91	5691372	7.77	ppbv	100
71) 2-Chlorotoluene	15.79	91	4461727	8.53	ppbv	100
72) 4-Ethyltoluene	16.17	105	5035165	9.19	ppbv	100
73) 1,3,5-Trimethylbenzene	16.33	105	4439320	8.77	ppbv	100
74) 1,2,4-Trimethylbenzene	17.10	105	4446378	7.98	ppbv	100
75) 1,3-Dichlorobenzene	17.34	146	2902719	8.23	ppbv	100
76) 1,4-Dichlorobenzene	17.48	146	2997037	8.46	ppbv	100
77) 1,2-Dichlorobenzene	18.16	146	2835725	8.15	ppbv	100
78) Hexachloro-1,3-Butadiene	23.71	225	626740	9.42	ppbv	100
79) Naphthalene	22.61	128	3814149	10.09	ppbv	100
80) Naphthalene, 2-methyl-	25.25	142	1652904	14.86	ppbv	100
81) 1,2,4-Trichlorobenzene	22.34	180	1751583	9.29	ppbv	100

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

```
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Sample    : VSTDICCC010  
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ALS Vial  : 1      Sample Multiplier: 1
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Qlast Update : Thu Dec 14 03:40:57 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

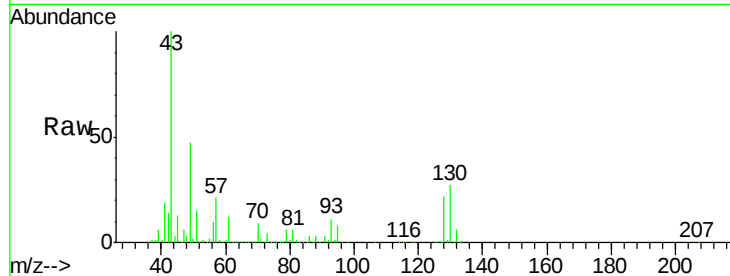
Tot Ion: 49 Resp: 1387553

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.2	69.5
130	59.2	29.6	88.8

49 100

128 46.3 23.2 69.5

130 59.2 29.6 88.8



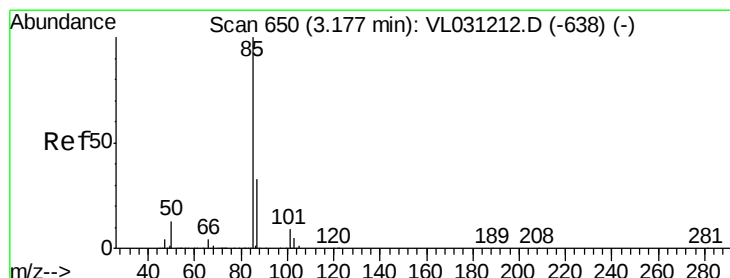
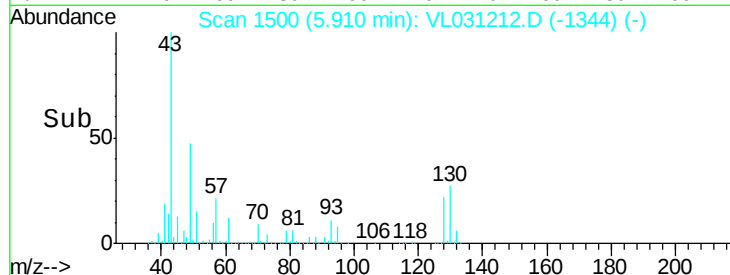
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.91

Time-->



#2

Dichlorodifluoromethane

Concen: 7.79 ppbv

RT: 3.18 min Scan# 650

Delta R.T. 0.00 min

Lab File: VL031212.D

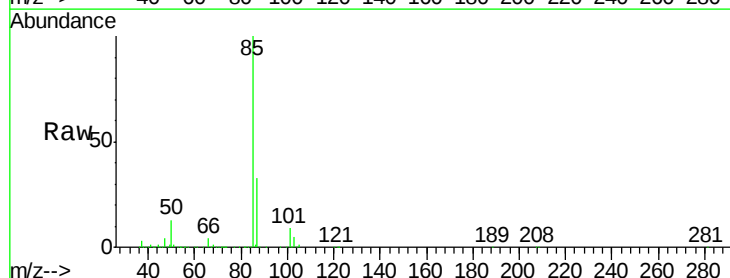
Acq: 13 Dec 2017 22:26

Tgt Ion: 85 Resp: 1103754

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.2	39.2

85 100

87 32.7 26.2 39.2

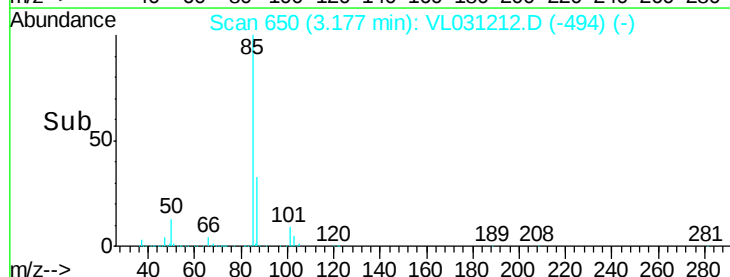


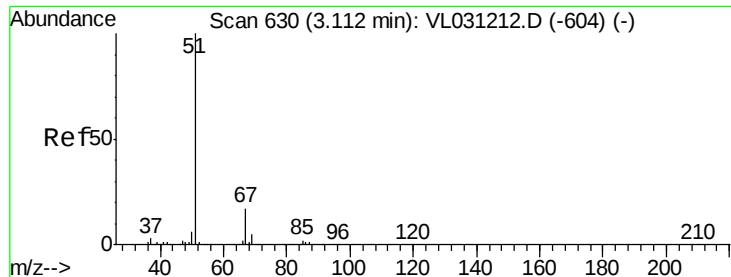
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.18

Time-->





#3

Chlorodifluoromethane

Concen: 9.01 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL031212.D

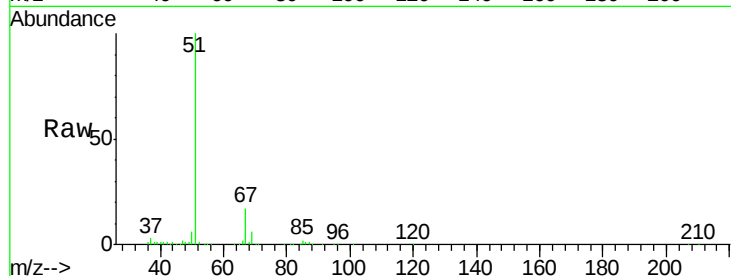
Acq: 13 Dec 2017 22:26

Tot Ion: 51 Resp: 1710276

Ion Ratio Lower Upper

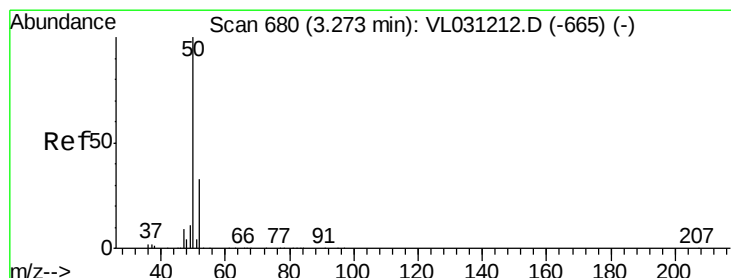
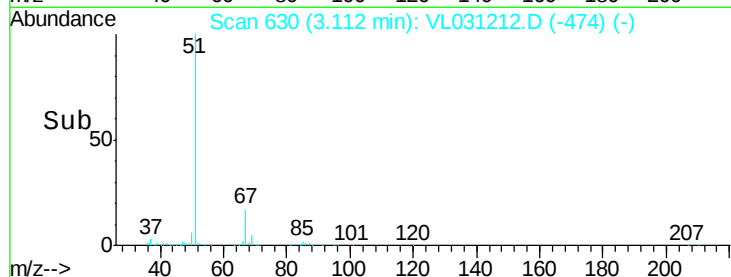
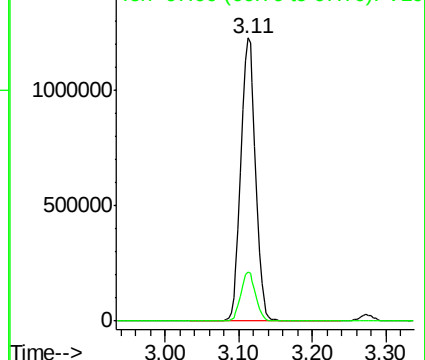
51 100

67 17.2 13.8 20.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 12.95 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL031212.D

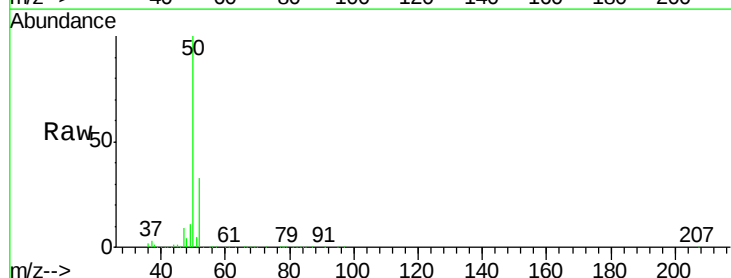
Acq: 13 Dec 2017 22:26

Tgt Ion: 50 Resp: 923183

Ion Ratio Lower Upper

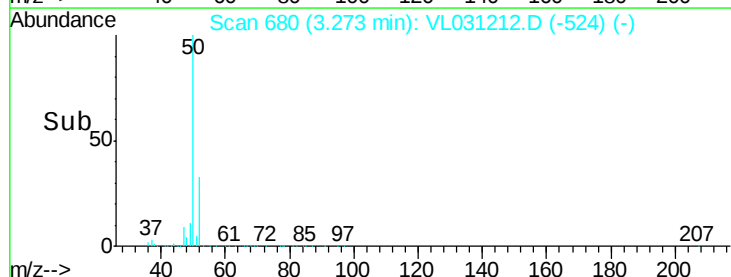
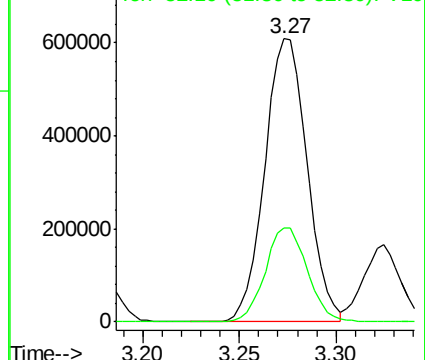
50 100

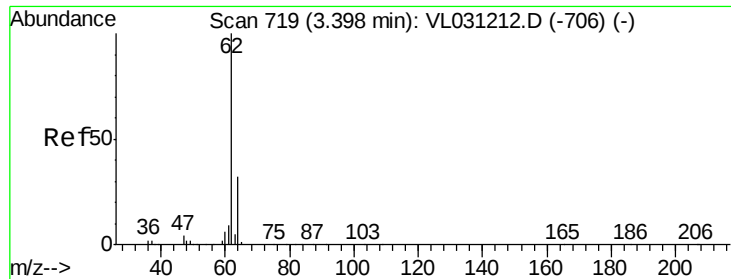
52 33.1 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.60 ppbv

RT: 3.40 min Scan# 719

Delta R.T. 0.00 min

Lab File: VL031212.D

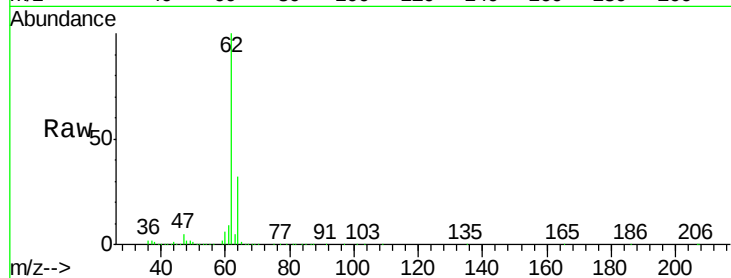
Acq: 13 Dec 2017 22:26

Tot Ion: 62 Resp: 902724

Ion Ratio Lower Upper

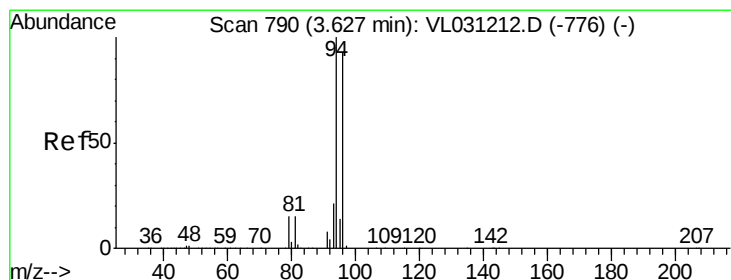
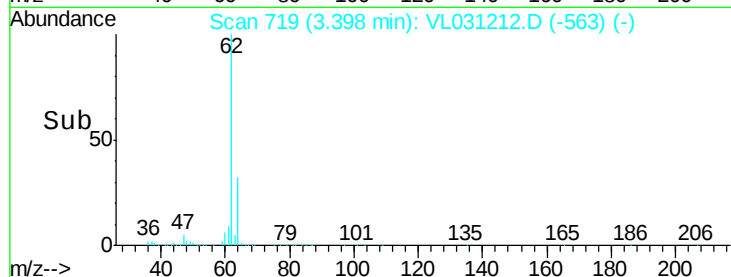
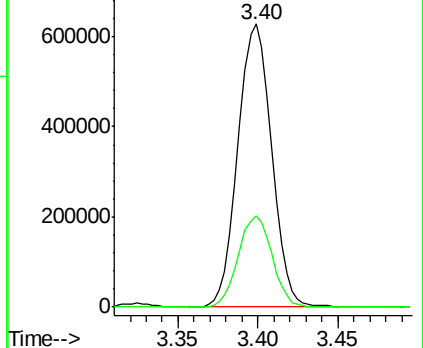
62 100

64 32.4 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 11.80 ppbv

RT: 3.63 min Scan# 790

Delta R.T. 0.00 min

Lab File: VL031212.D

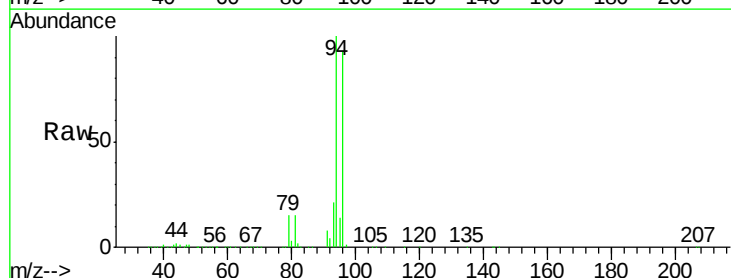
Acq: 13 Dec 2017 22:26

Tgt Ion: 94 Resp: 555914

Ion Ratio Lower Upper

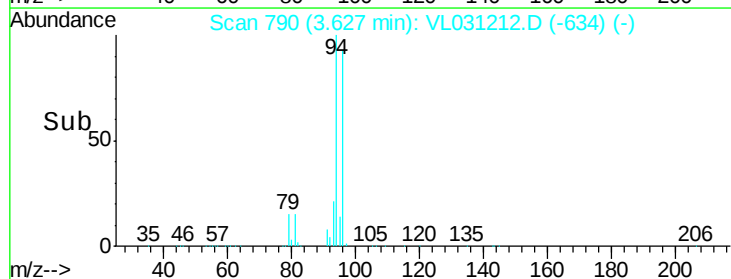
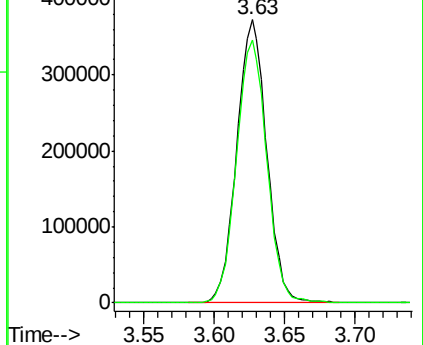
94 100

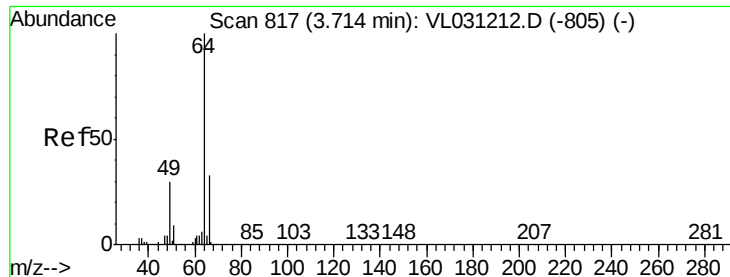
96 93.0 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 12.73 ppbv

RT: 3.71 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL031212.D

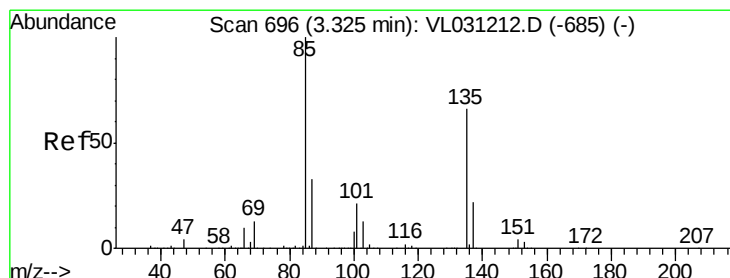
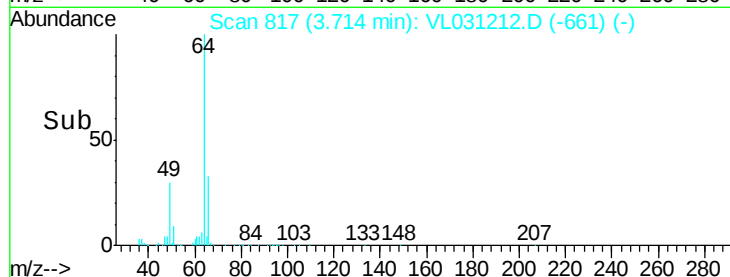
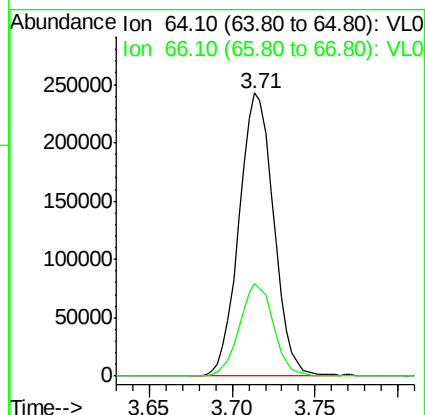
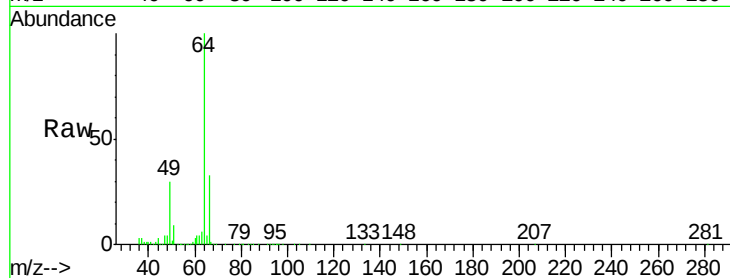
Acq: 13 Dec 2017 22:26

Tot Ion: 64 Resp: 352753

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2



#8

Dichlorotetrafluoroethane

Concen: 10.14 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL031212.D

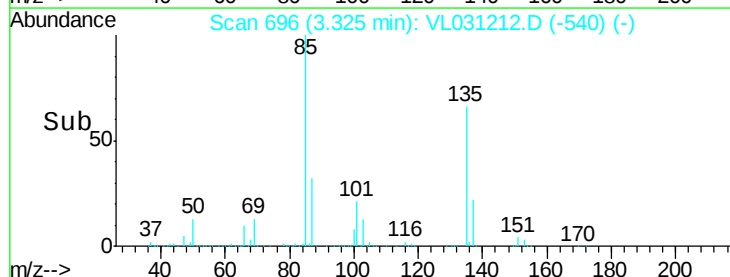
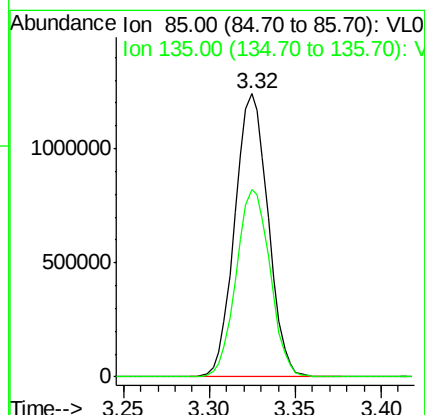
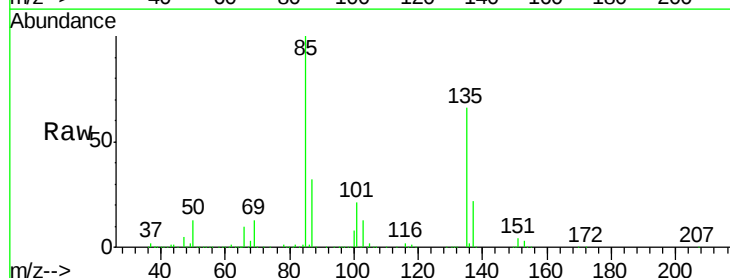
Acq: 13 Dec 2017 22:26

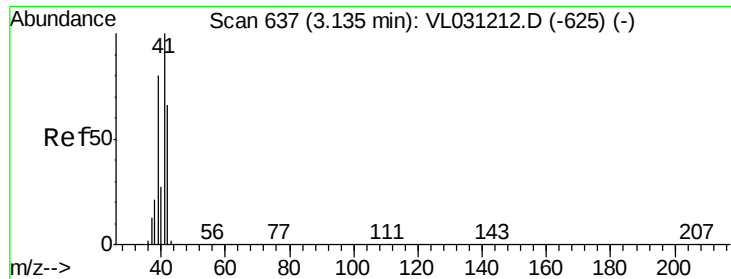
Tgt Ion: 85 Resp: 1677015

Ion Ratio Lower Upper

85 100

135 67.4 54.0 81.0





#9

Propene

Concen: 10.74 ppbv

RT: 3.13 min Scan# 637

Delta R.T. 0.00 min

Lab File: VL031212.D

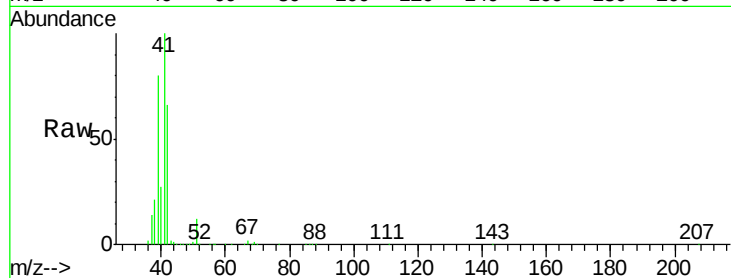
Acq: 13 Dec 2017 22:26

Tot Ion: 41 Resp: 845543

Ion Ratio Lower Upper

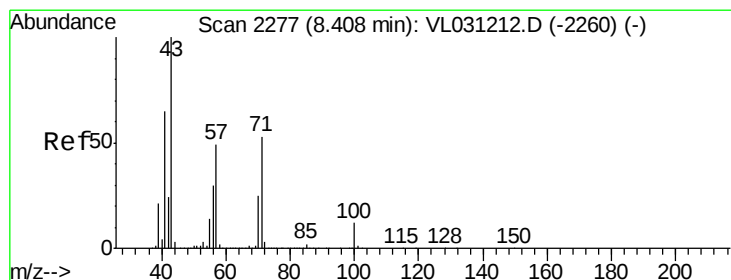
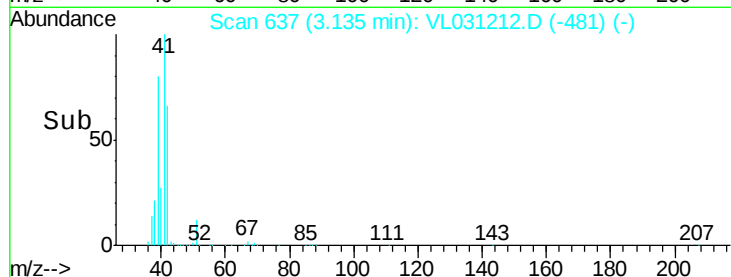
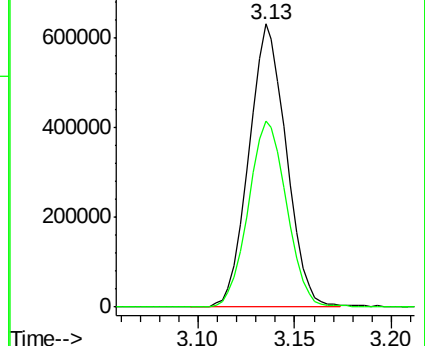
41 100

42 67.7 54.3 81.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.28 ppbv

RT: 8.41 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VL031212.D

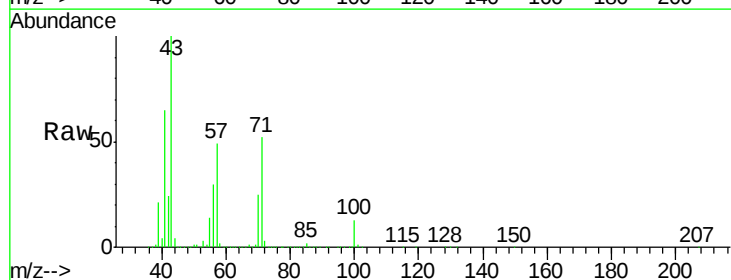
Acq: 13 Dec 2017 22:26

Tgt Ion: 43 Resp: 2405780

Ion Ratio Lower Upper

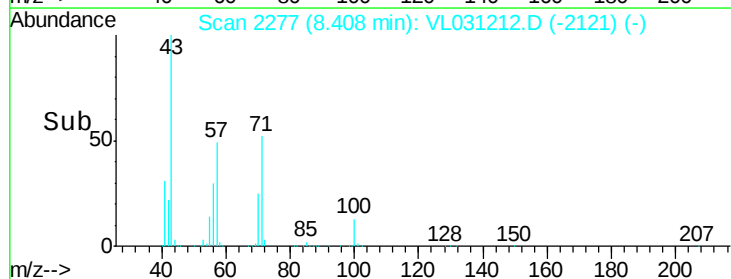
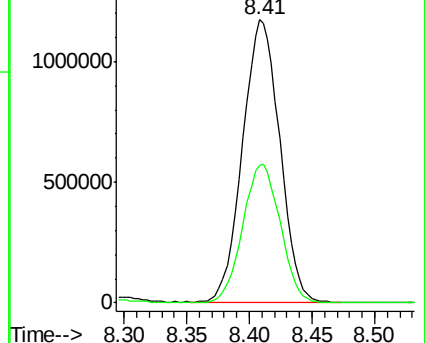
43 100

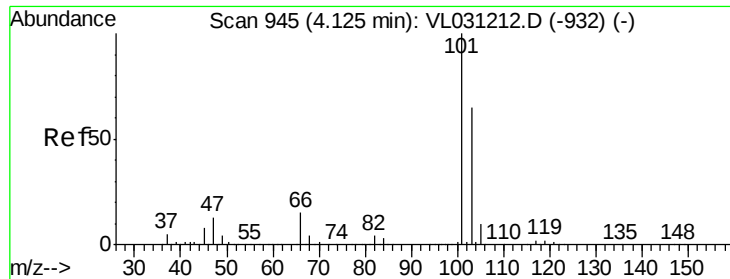
57 49.5 39.8 59.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

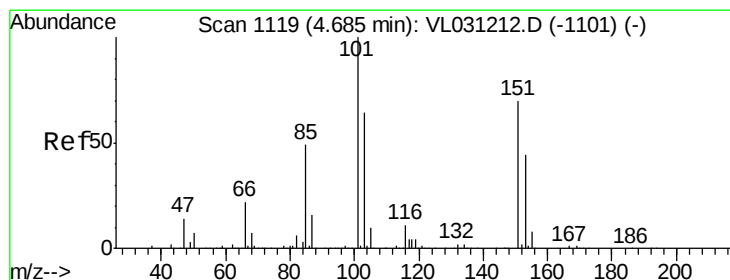
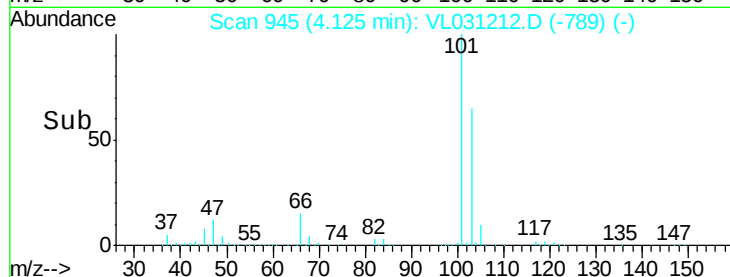
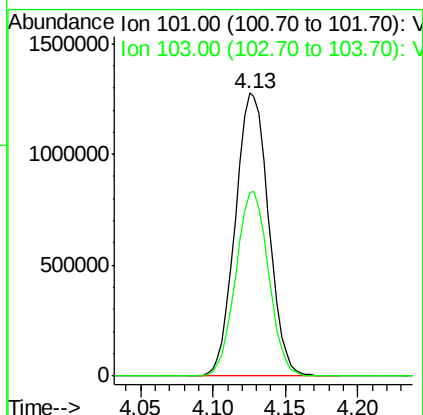
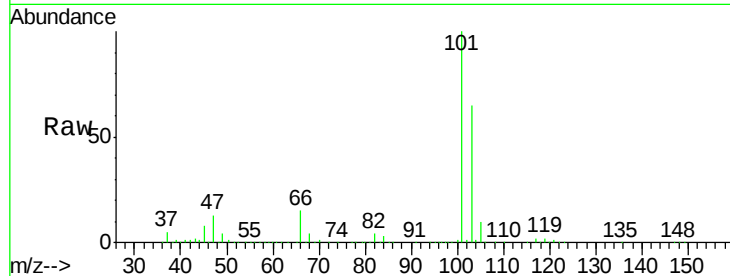
Ion 57.10 (56.80 to 57.80): VL0





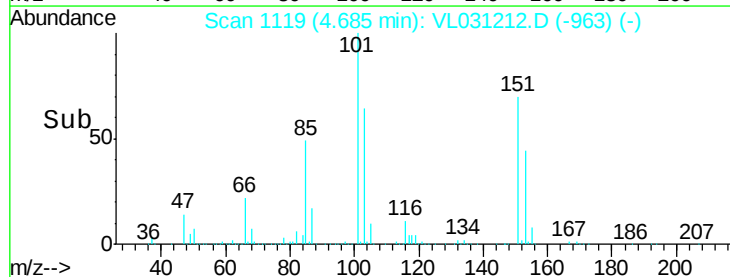
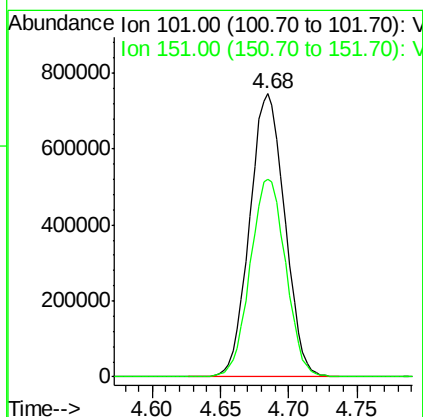
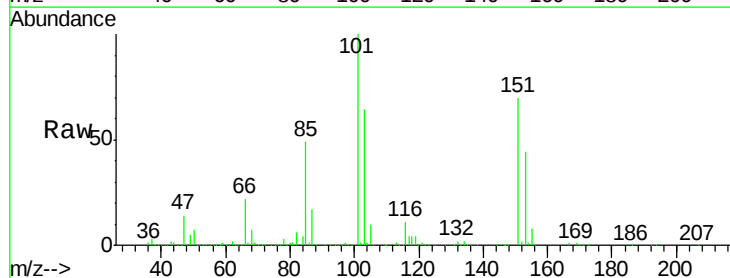
#11
 Trichlorofluoromethane
 Concen: 12.26 ppbv
 RT: 4.13 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

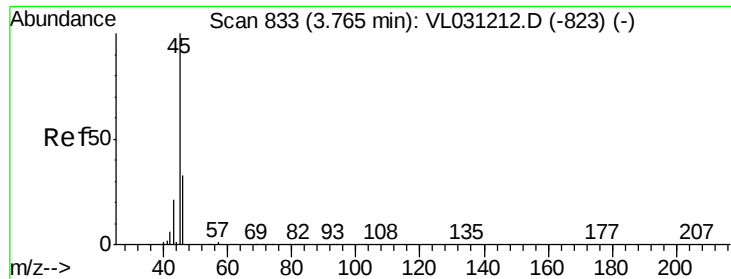
Tot Ion:101 Resp: 2036506
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.50 ppbv
 RT: 4.68 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Tgt Ion:101 Resp: 1334835
 Ion Ratio Lower Upper
 101 100
 151 70.6 56.5 84.7





#13

Ethanol

Concen: 12.65 ppbv

RT: 3.77 min Scan# 833

Delta R.T. 0.00 min

Lab File: VL031212.D

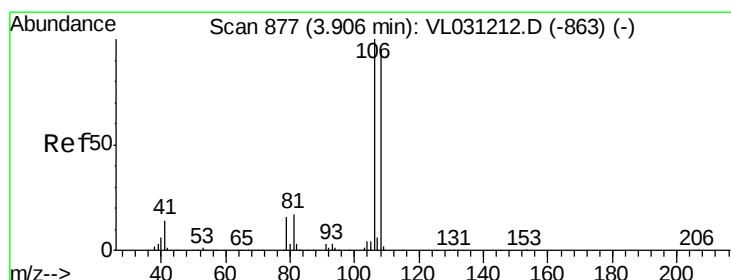
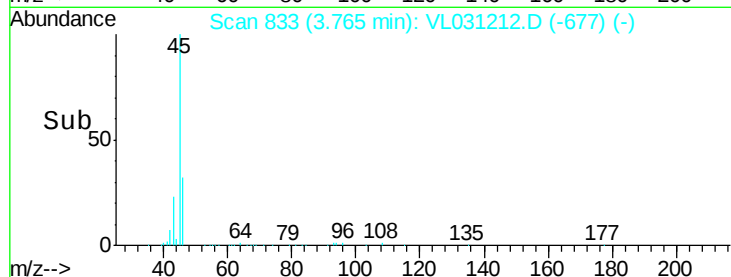
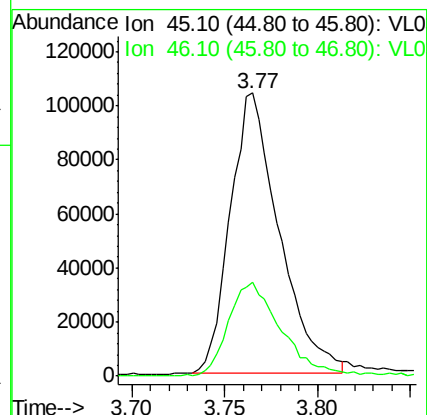
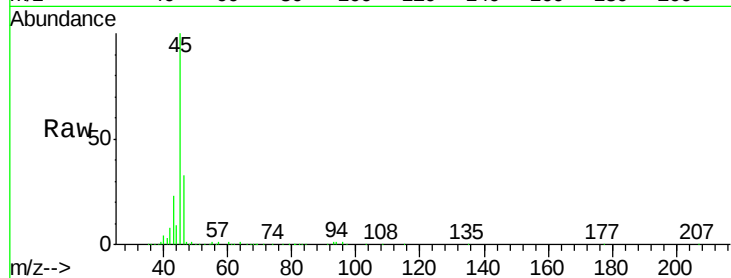
Acq: 13 Dec 2017 22:26

Tot Ion: 45 Resp: 190609

Ion Ratio Lower Upper

45 100

46 36.5 14.6 58.4



#14

Bromoethene

Concen: 12.15 ppbv

RT: 3.91 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

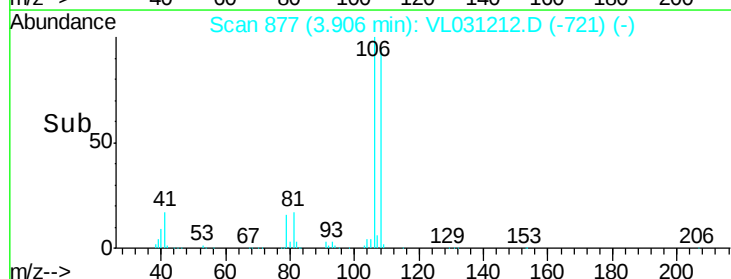
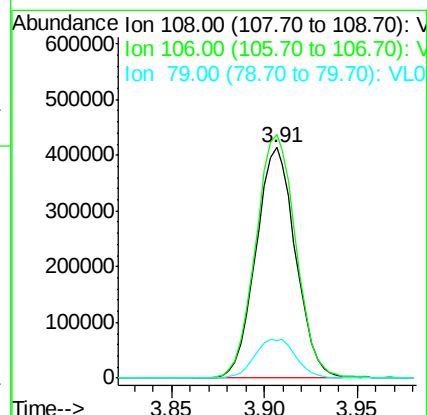
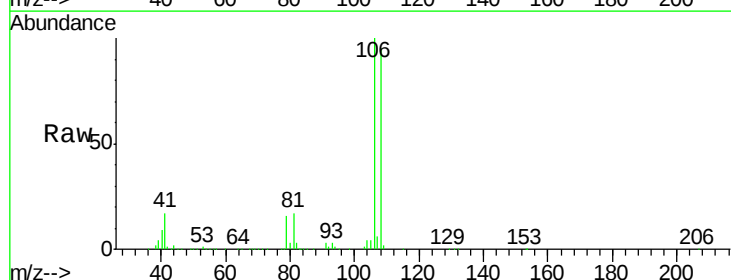
Tgt Ion: 108 Resp: 618070

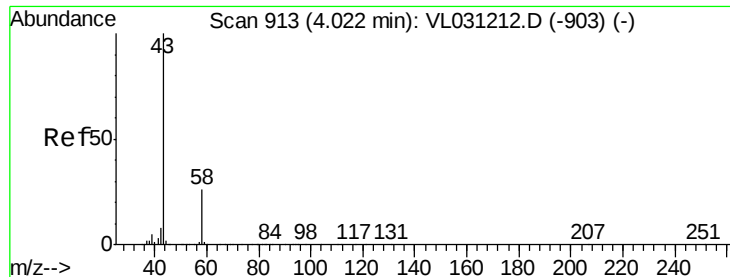
Ion Ratio Lower Upper

108 100

106 107.9 86.5 129.7

79 17.7 14.2 21.4





#15

Acetone

Concen: 11.95 ppbv

RT: 4.02 min Scan# 913

Delta R.T. 0.00 min

Lab File: VL031212.D

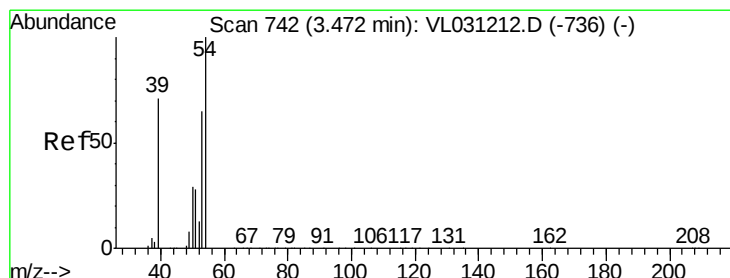
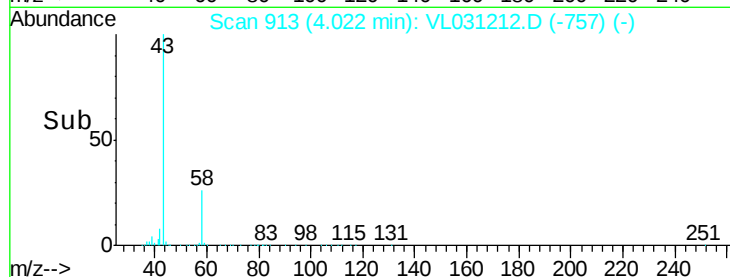
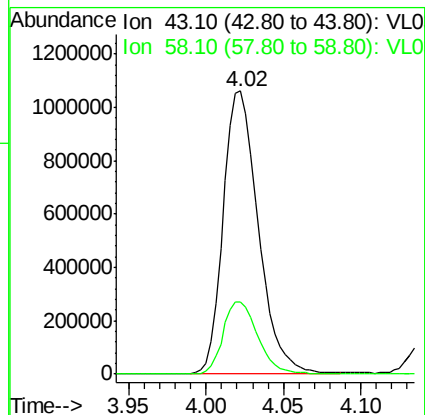
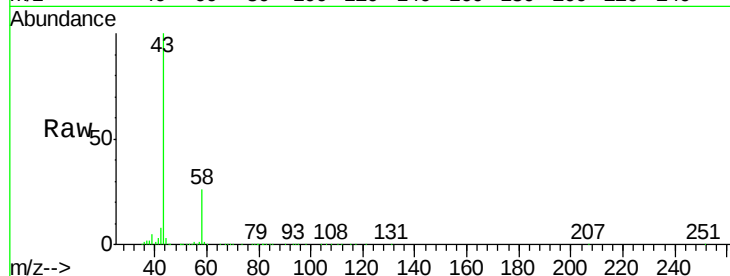
Acq: 13 Dec 2017 22:26

Tot Ion: 43 Resp: 1664290

Ion Ratio Lower Upper

43 100

58 25.4 20.3 30.5



#16

1,3-Butadiene

Concen: 13.14 ppbv

RT: 3.47 min Scan# 742

Delta R.T. 0.00 min

Lab File: VL031212.D

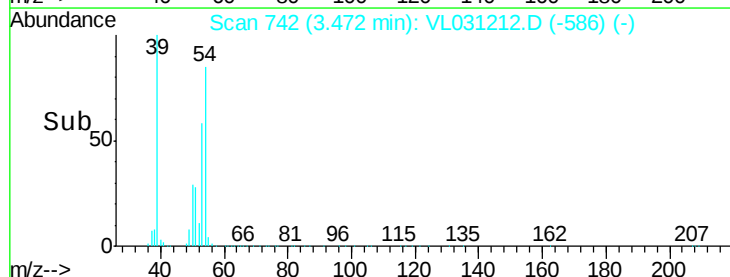
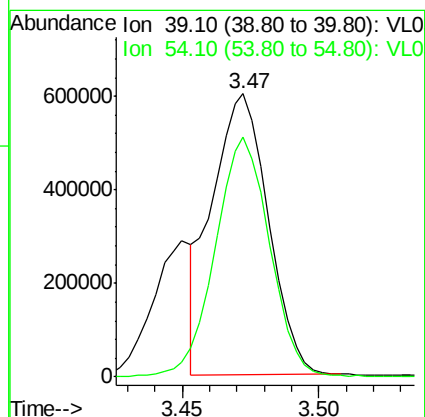
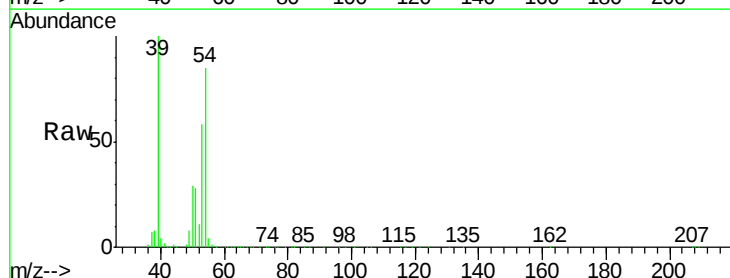
Acq: 13 Dec 2017 22:26

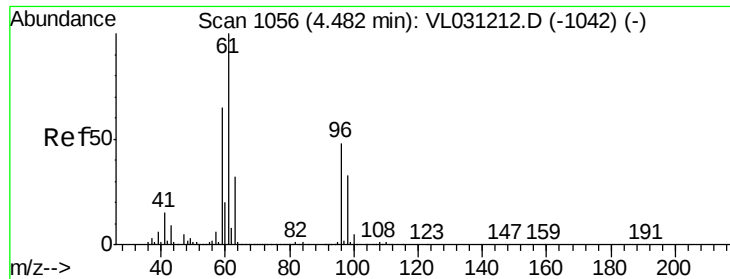
Tgt Ion: 39 Resp: 862651

Ion Ratio Lower Upper

39 100

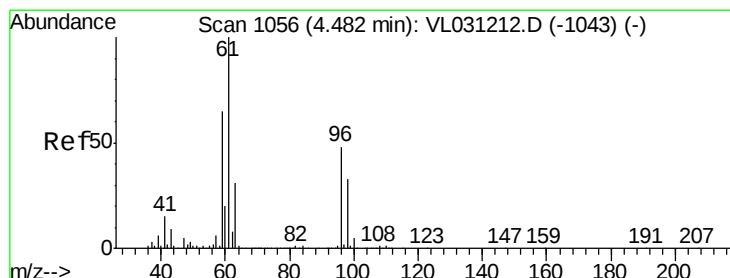
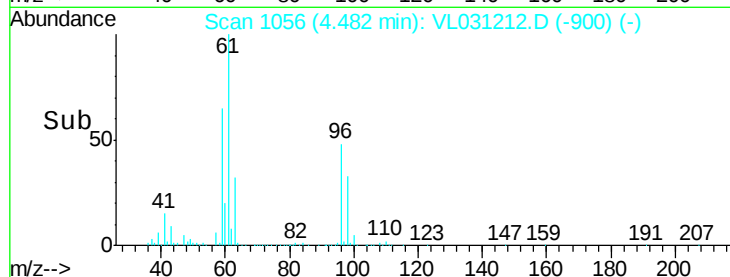
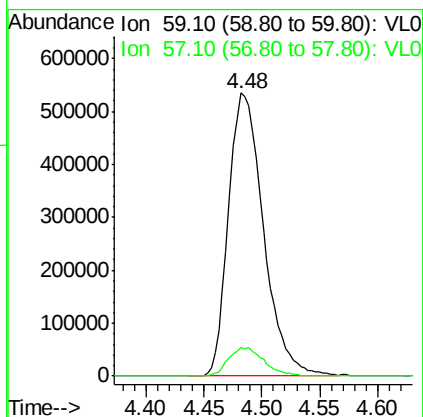
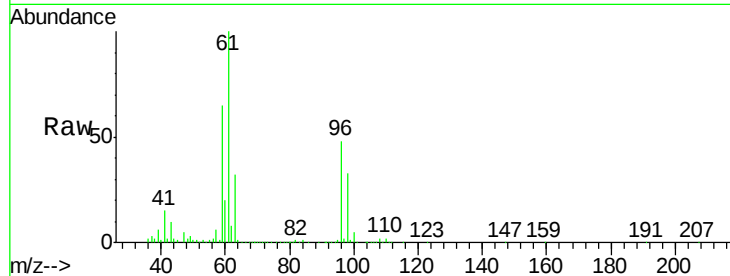
54 83.0 66.4 99.6





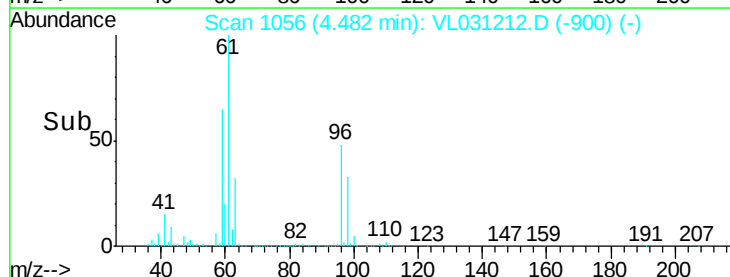
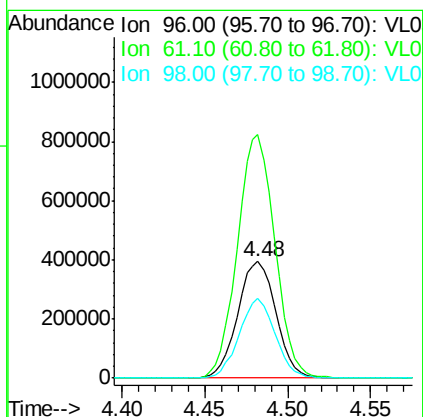
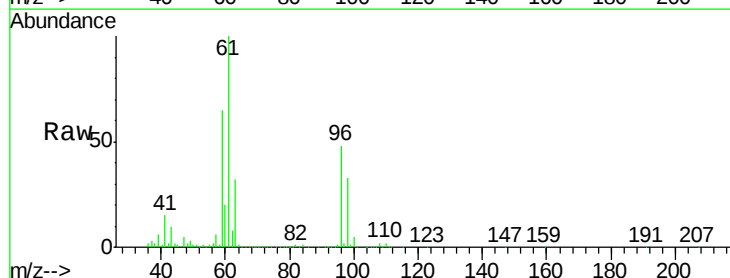
#17
 tert-Butyl alcohol
 Concen: 16.54 ppbv
 RT: 4.48 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

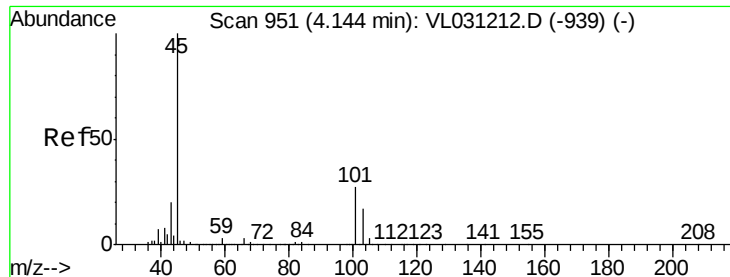
Tot Ion: 59 Resp: 1118589
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2



#18
 1,1-Dichloroethene
 Concen: 13.18 ppbv
 RT: 4.48 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Tgt Ion: 96 Resp: 634051
 Ion Ratio Lower Upper
 96 100
 61 208.5 166.8 250.2
 98 68.8 55.0 82.6





#19

Isopropyl Alcohol

Concen: 15.25 ppbv

RT: 4.14 min Scan# 951

Delta R.T. 0.00 min

Lab File: VL031212.D

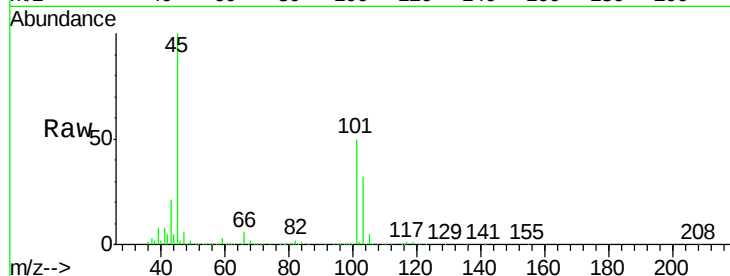
Acq: 13 Dec 2017 22:26

Tot Ion: 45 Resp: 1240607

Ion Ratio Lower Upper

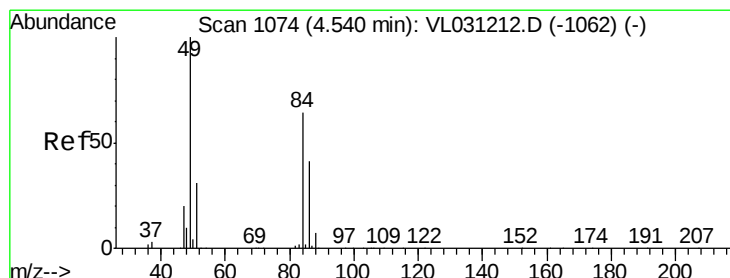
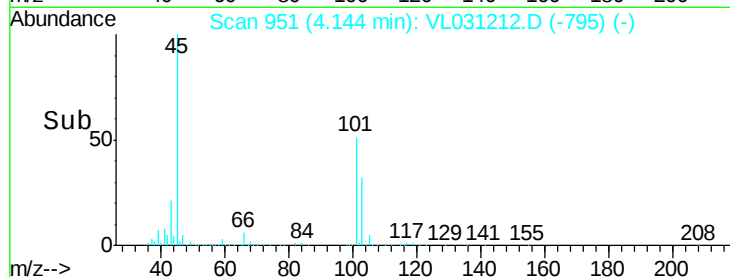
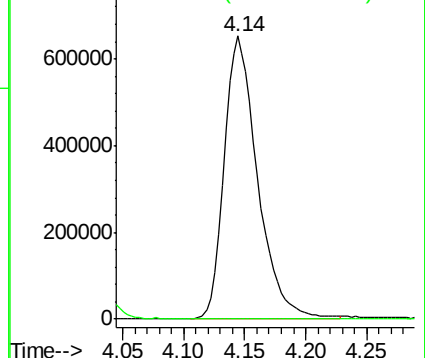
45 100

58 34.1 27.2 40.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 12.48 ppbv

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tgt Ion: 84 Resp: 604559

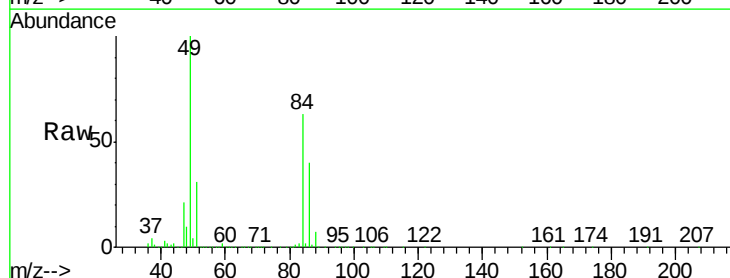
Ion Ratio Lower Upper

84 100

49 157.2 125.8 188.6

51 49.1 39.3 58.9

86 63.9 51.1 76.7

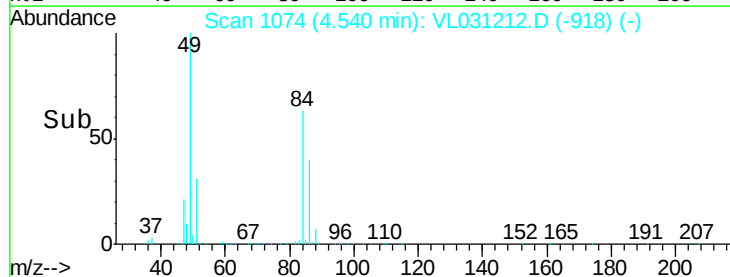
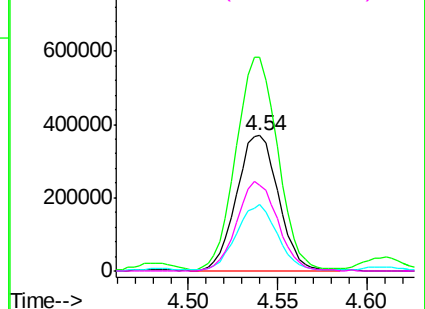


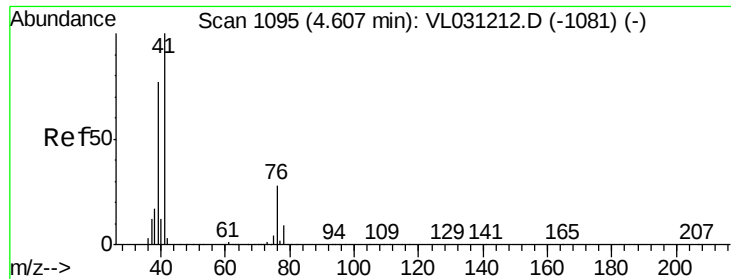
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

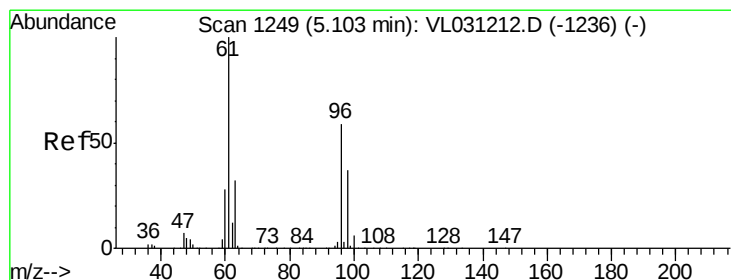
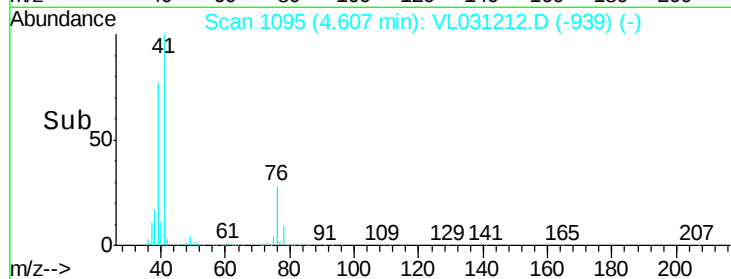
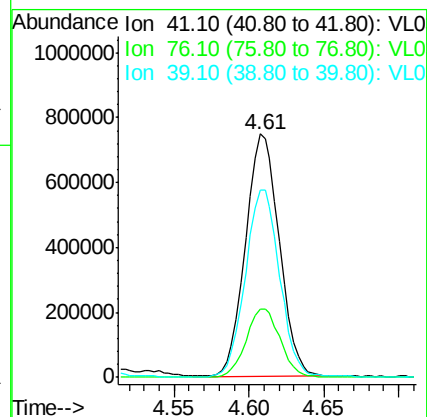
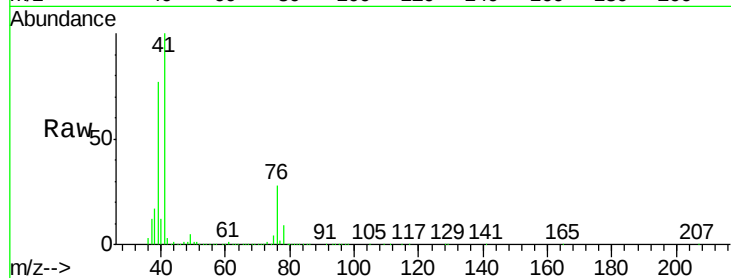




#21
Allvl Chloride
Concen: 16.91 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Tot Ion: 41 Resp: 1174508

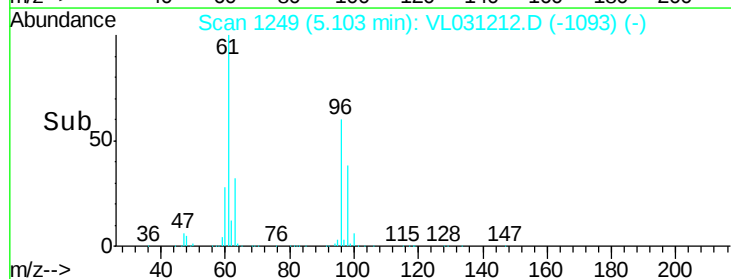
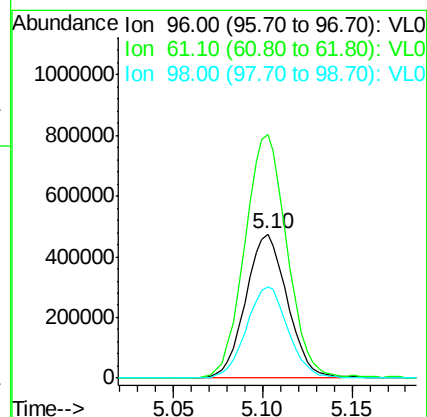
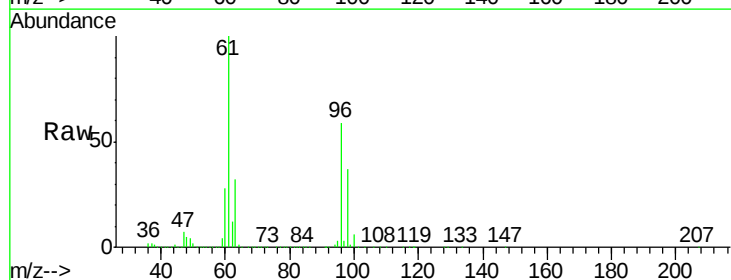
Ion	Ratio	Lower	Upper
41	100		
76	28.6	22.9	34.3
39	78.2	62.6	93.8

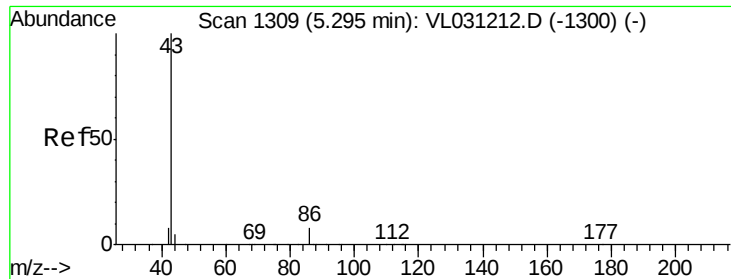


#22
trans-1,2-Dichloroethene
Concen: 12.83 ppbv
RT: 5.10 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Tgt Ion: 96 Resp: 772834

Ion	Ratio	Lower	Upper
96	100		
61	168.7	135.0	202.4
98	63.1	50.5	75.7

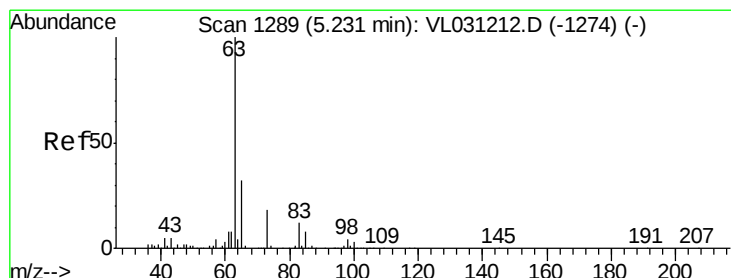
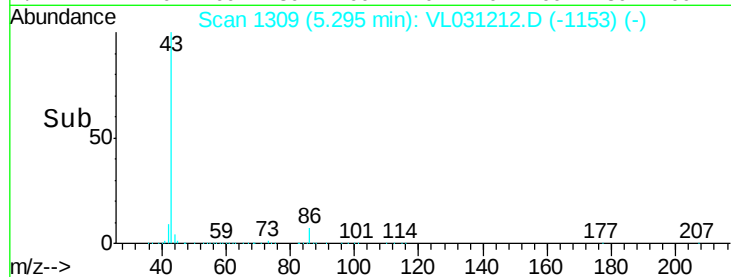
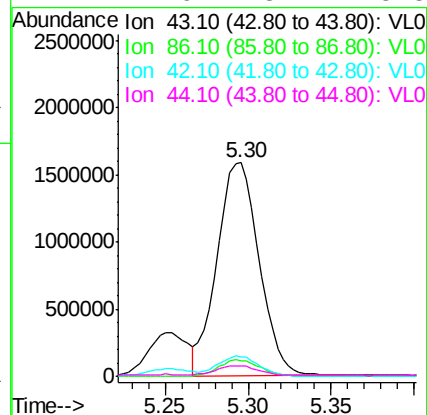
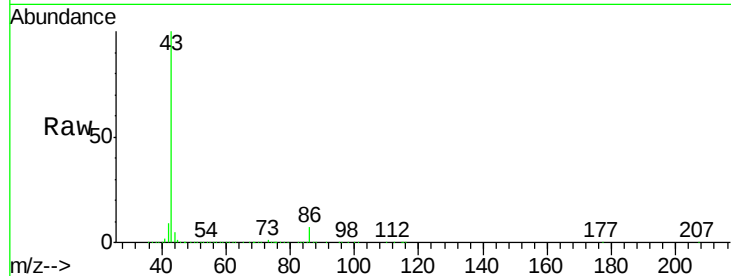




#23
 Vinyl Acetate
 Concen: 11.28 ppbv
 RT: 5.30 min Scan# 1309
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Tot Ion: 43 Resp: 2798661

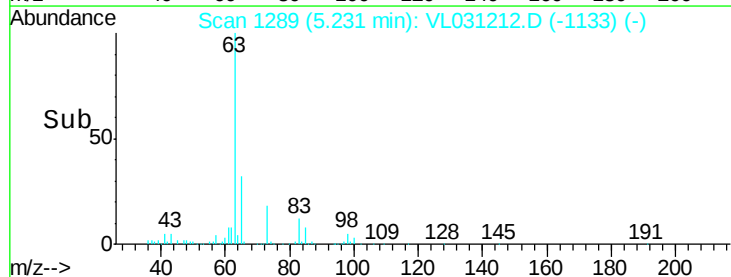
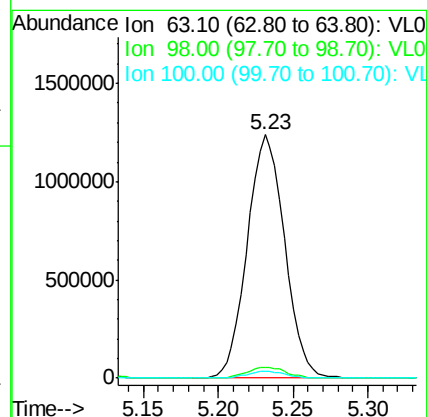
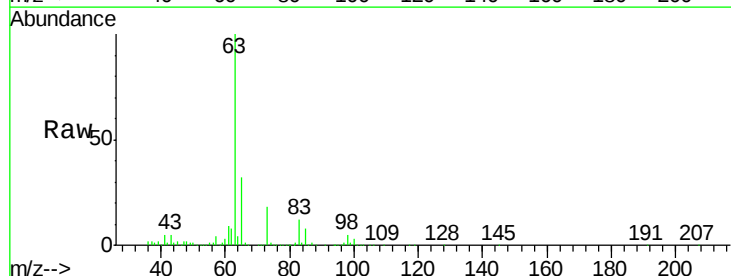
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.9	8.9
42	9.1	7.3	10.9
44	4.6	3.7	5.5

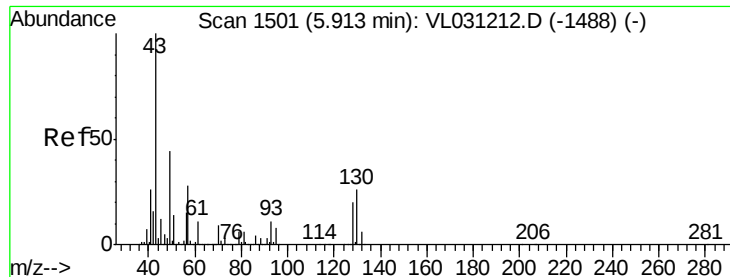


#24
 1,1-Dichloroethane
 Concen: 10.07 ppbv
 RT: 5.23 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Tgt Ion: 63 Resp: 2154595

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.8	1.4	4.2

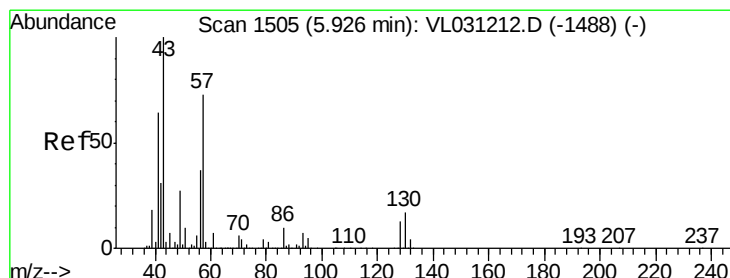
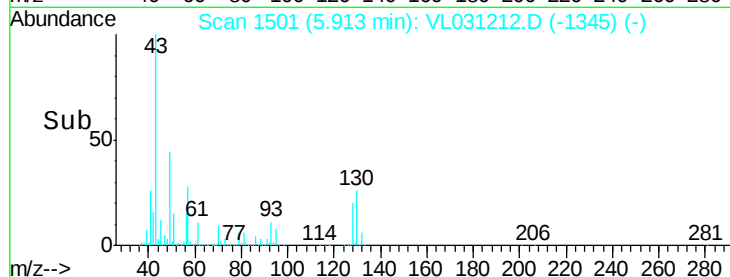
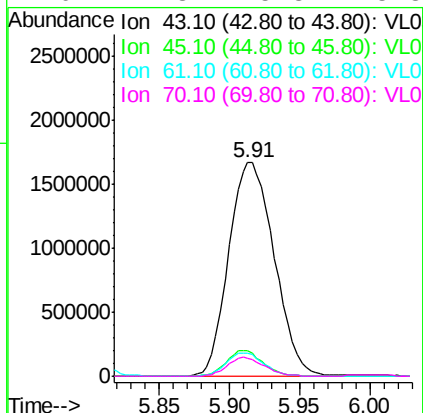
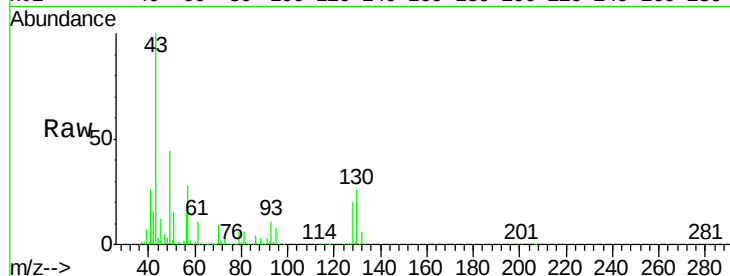




#25
Ethyl Acetate
Concen: 10.84 ppbv
RT: 5.91 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Tot Ion: 43 Resp: 3754775

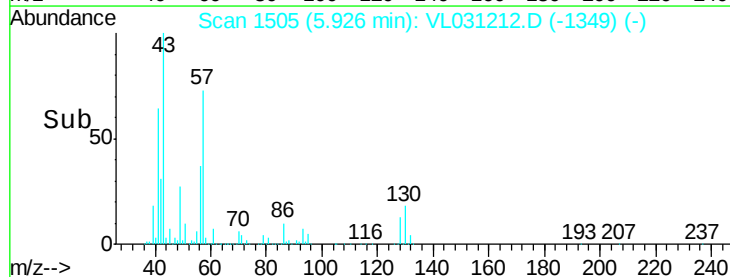
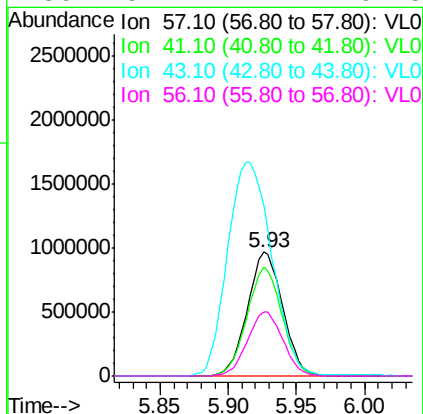
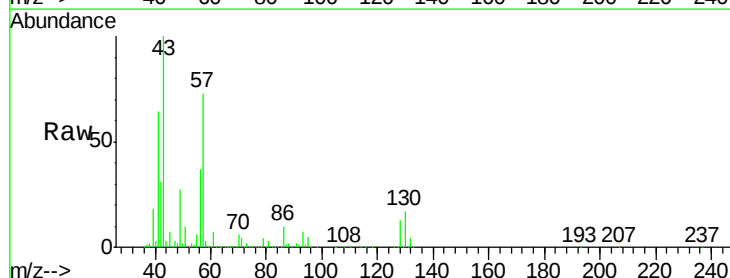
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.2	7.4	11.0
70	7.3	5.8	8.8

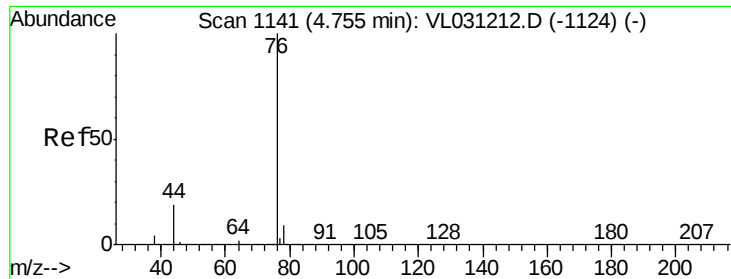


#26
Hexane
Concen: 10.33 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Tgt Ion: 57 Resp: 1740010

Ion	Ratio	Lower	Upper
57	100		
41	87.3	70.3	105.5
43	217.2	173.8	260.8
56	52.2	41.7	62.5





#27

Carbon Disulfide

Concen: 15.94 ppbv

RT: 4.76 min Scan# 1141

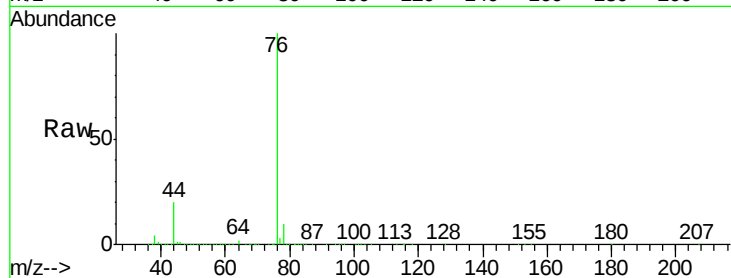
Delta R.T. 0.00 min

Lab File: VL031212.D

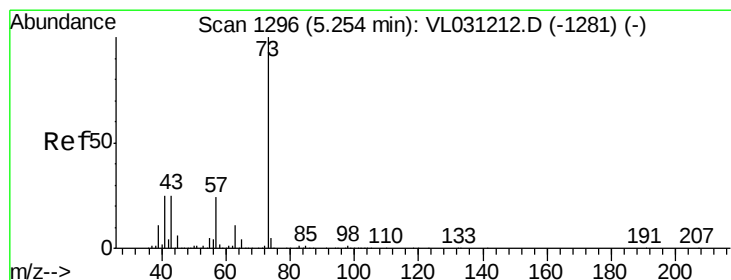
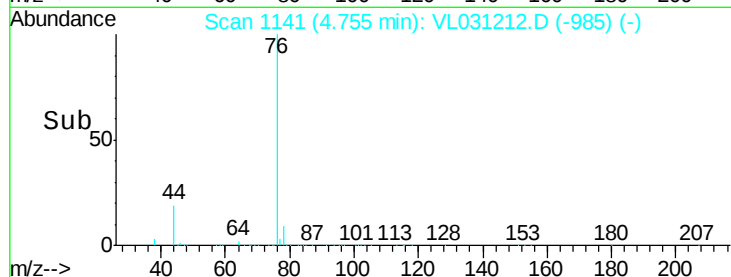
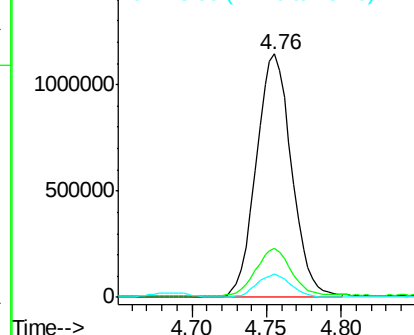
Acq: 13 Dec 2017 22:26

Tot Ion: 76 Resp: 1885166

Ion	Ratio	Lower	Upper
76	100		
44	20.0	16.0	24.0
78	9.4	7.5	11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 12.64 ppbv

RT: 5.25 min Scan# 1296

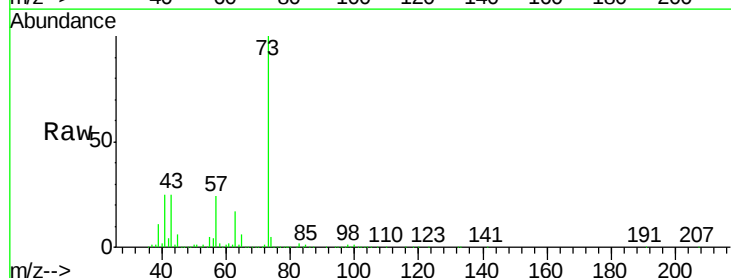
Delta R.T. 0.00 min

Lab File: VL031212.D

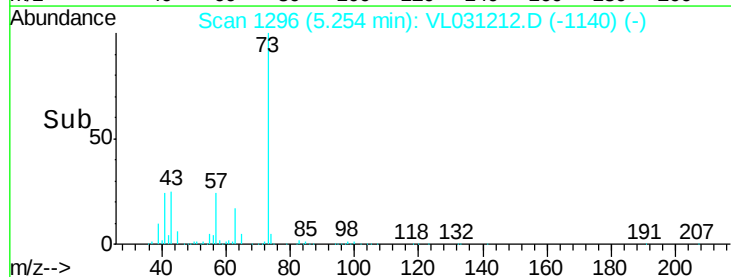
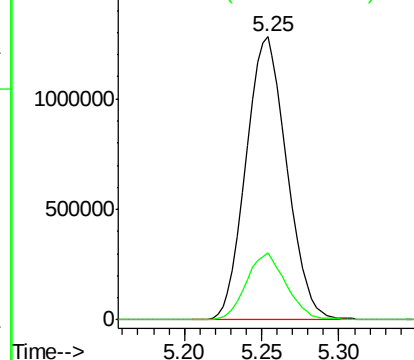
Acq: 13 Dec 2017 22:26

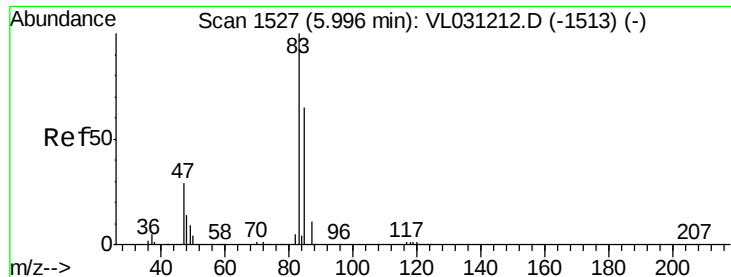
Tgt Ion: 73 Resp: 2349915

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7



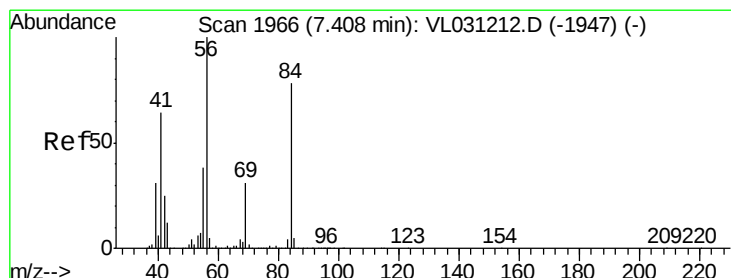
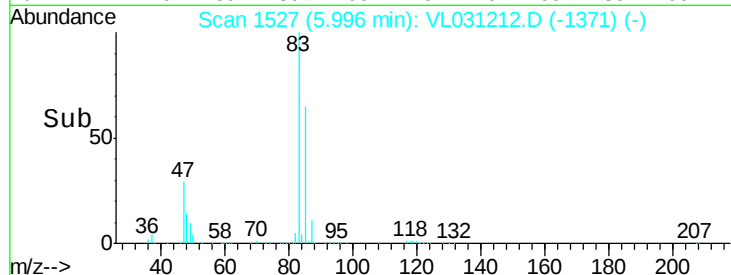
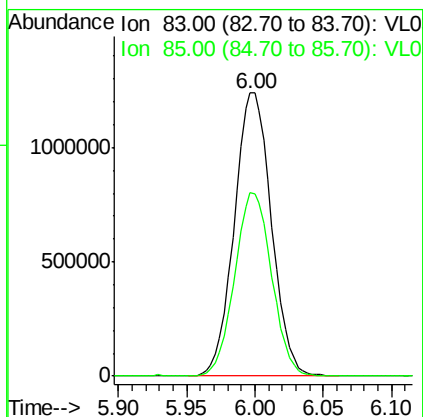
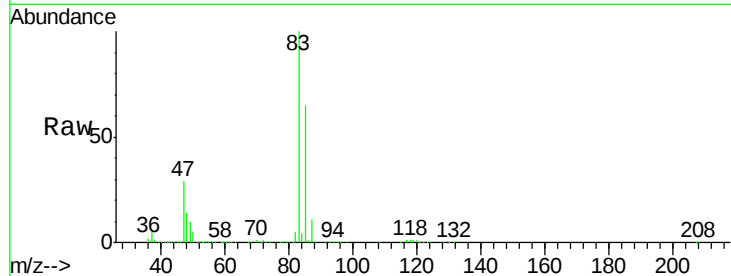
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





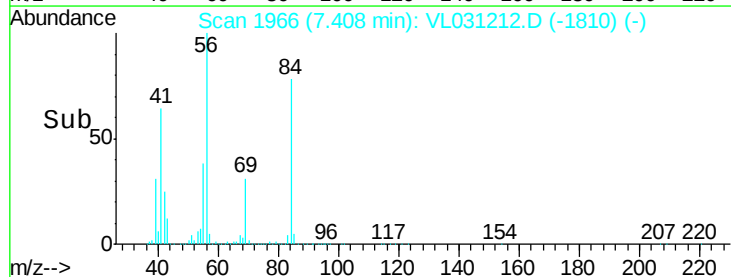
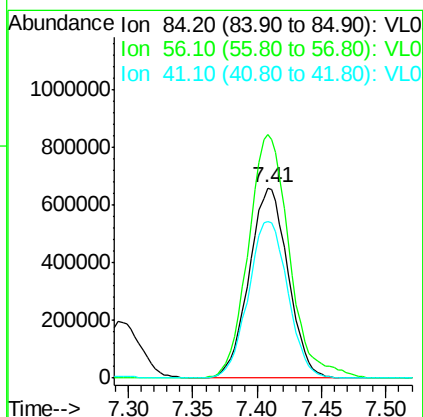
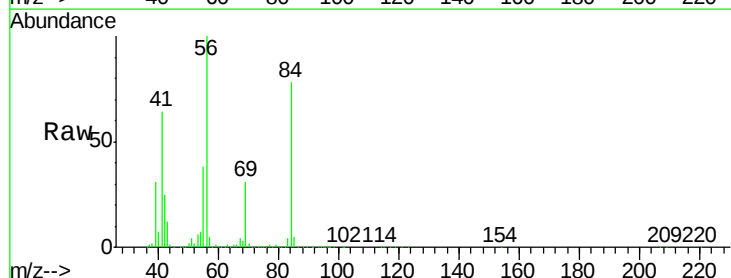
#29
Chloroform
Concen: 9.69 ppbv
RT: 6.00 min Scan# 1527
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

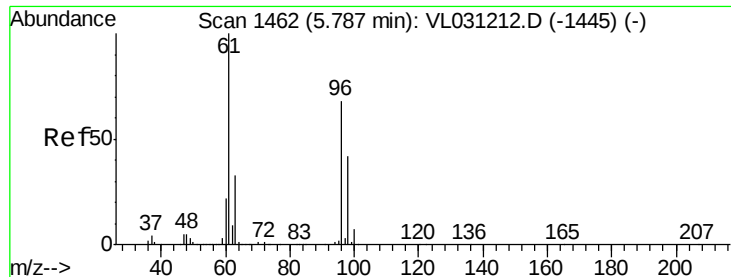
Tot Ion: 83 Resp: 2338770
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6



#30
Cyclohexane
Concen: 10.34 ppbv
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Tgt Ion: 84 Resp: 1391310
Ion Ratio Lower Upper
84 100
56 135.0 108.0 162.0
41 82.8 66.2 99.4





#31

cis-1,2-Dichloroethene

Concen: 10.25 ppbv

RT: 5.79 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

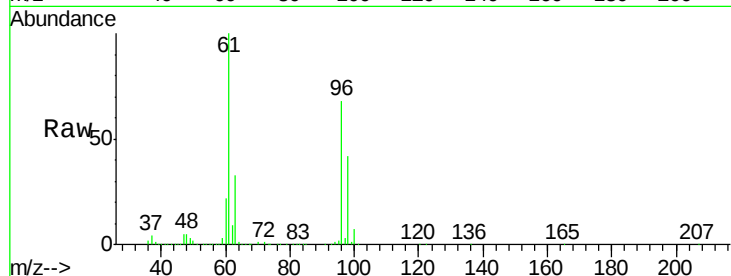
Tot Ion: 61 Resp: 1652813

Ion Ratio Lower Upper

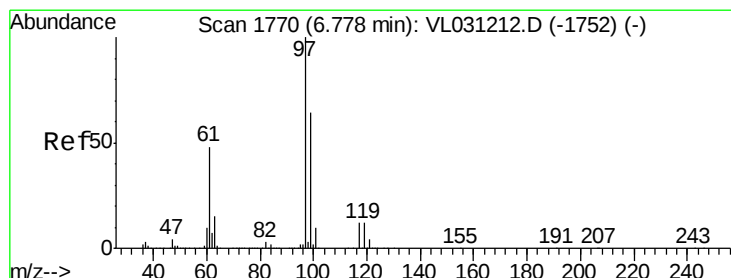
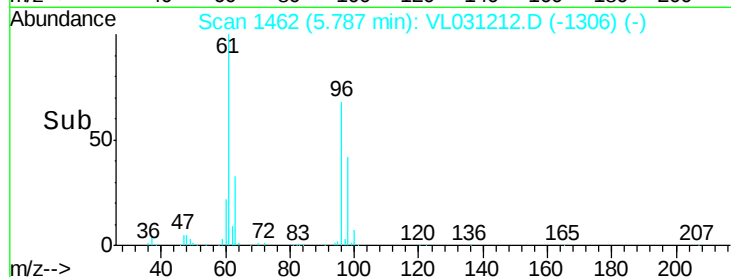
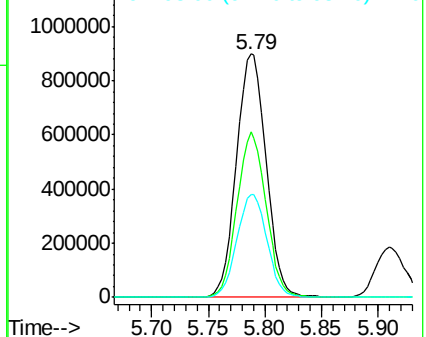
61 100

96 68.0 54.4 81.6

98 42.0 33.6 50.4



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 12.10 ppbv

RT: 6.78 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

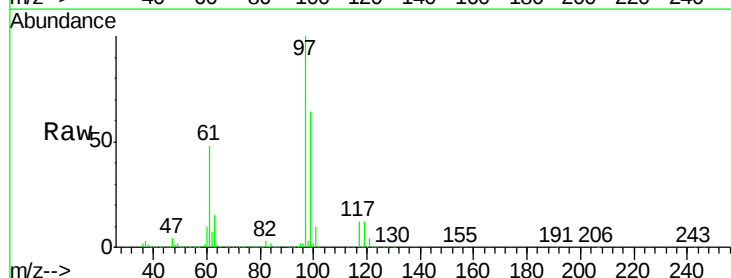
Tgt Ion: 97 Resp: 2436917

Ion Ratio Lower Upper

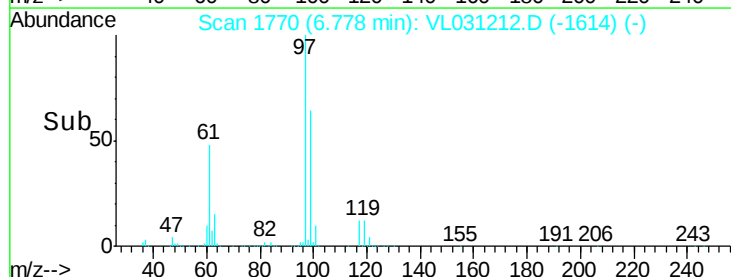
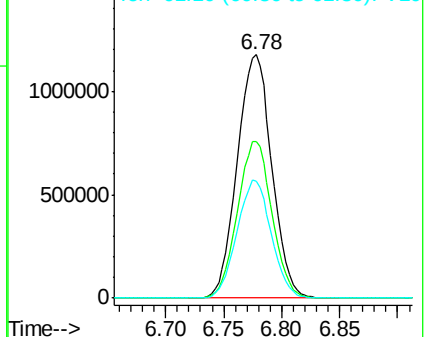
97 100

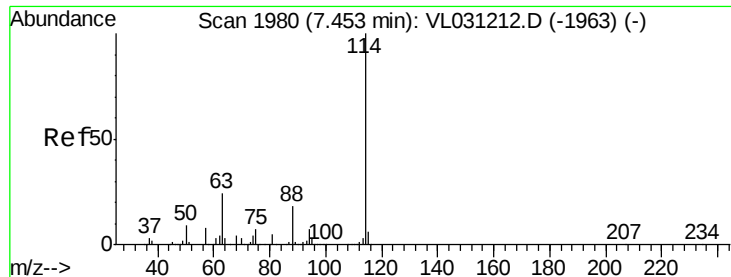
99 64.3 51.4 77.0

61 48.0 38.4 57.6



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

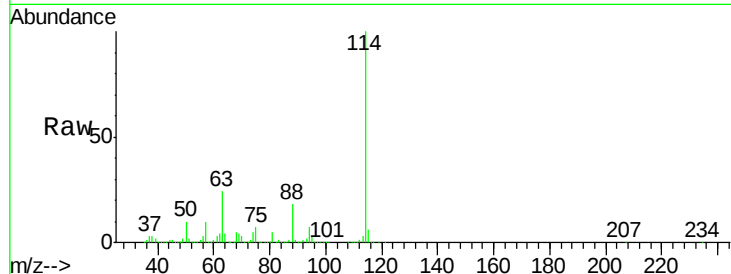




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Tot Ion:114 Resp: 3271884

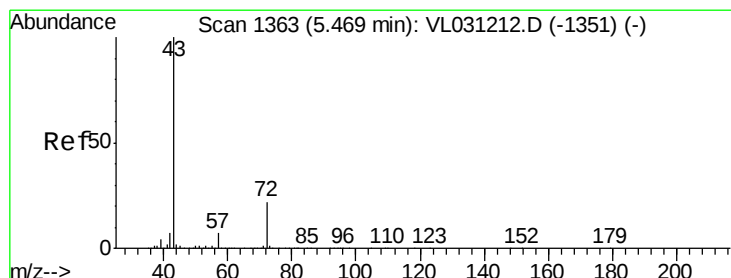
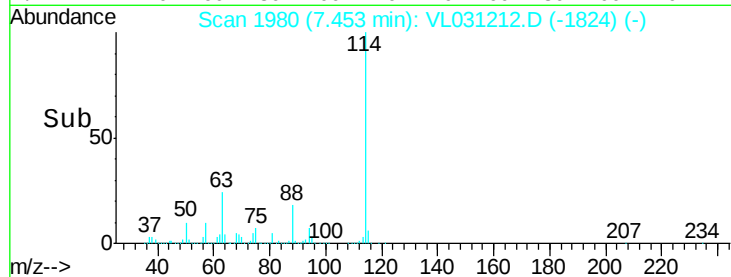
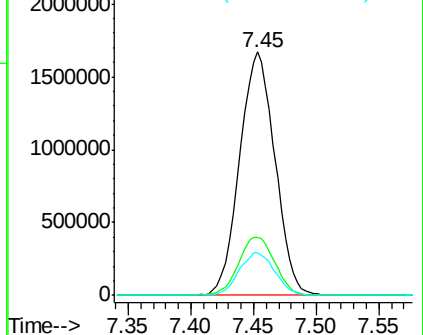
Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.8	29.8
88	17.8	14.2	21.4



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

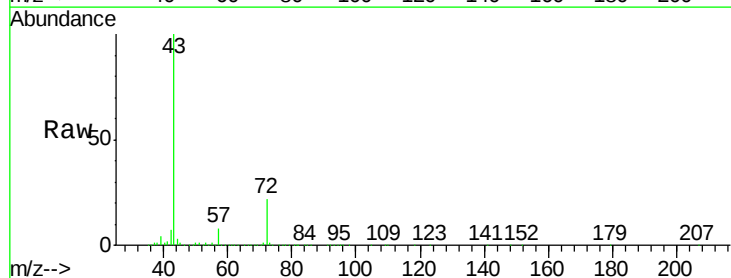
Ion 88.10 (87.80 to 88.80): VL0



#34
 2-Butanone
 Concen: 9.51 ppbv
 RT: 5.47 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

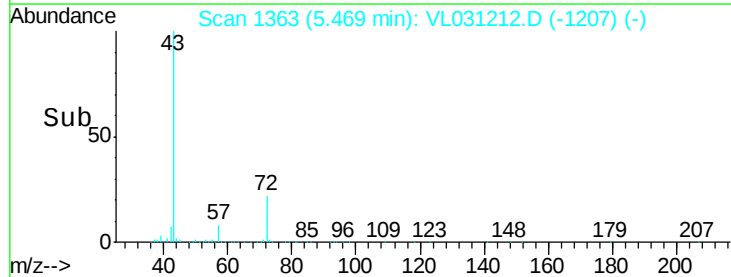
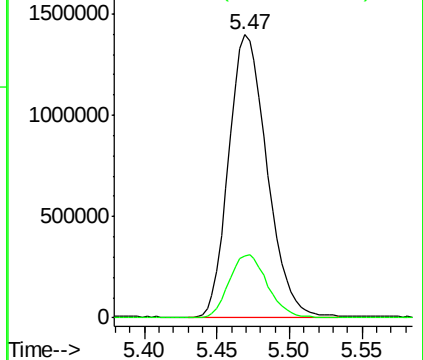
Tgt Ion: 43 Resp: 2551338

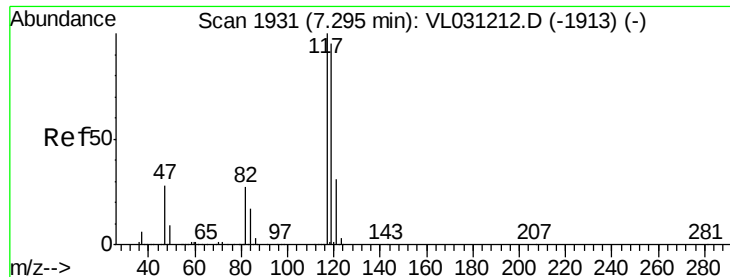
Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.1	27.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.17 ppbv

RT: 7.30 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

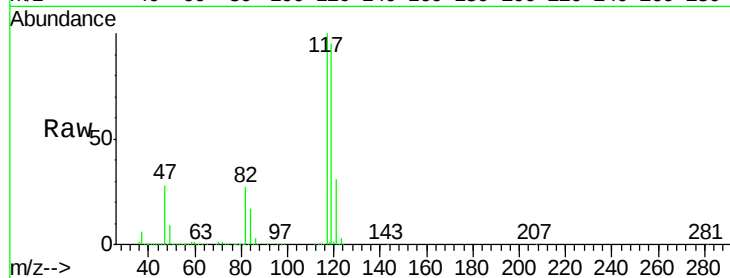
Tot Ion:117 Resp: 2338546

Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.9	113.9
121	30.8	24.6	37.0

117 100

119 94.9 75.9 113.9

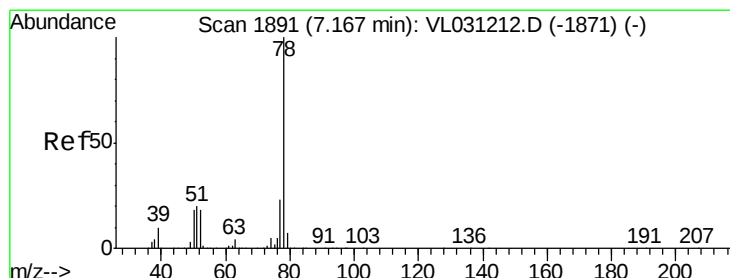
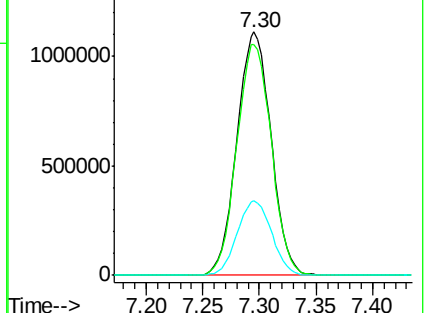
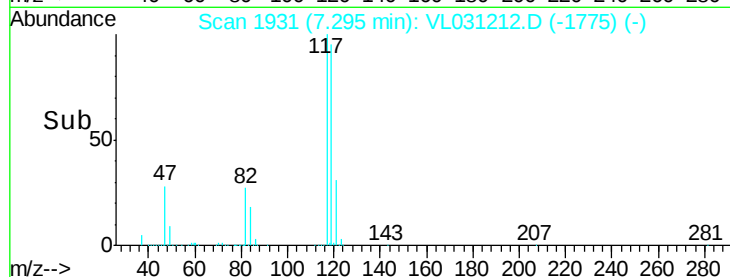
121 30.8 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.19 ppbv

RT: 7.17 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

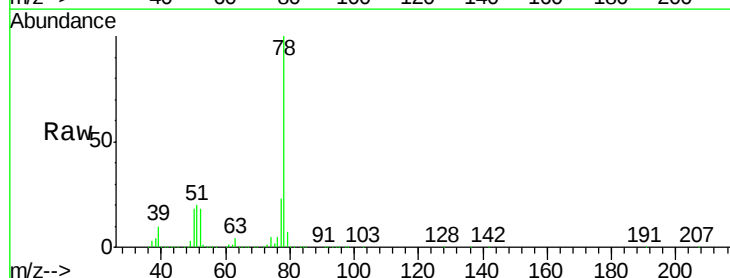
Tgt Ion: 78 Resp: 3441676

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.1	27.1
50	18.2	14.6	21.8

78 100

77 22.6 18.1 27.1

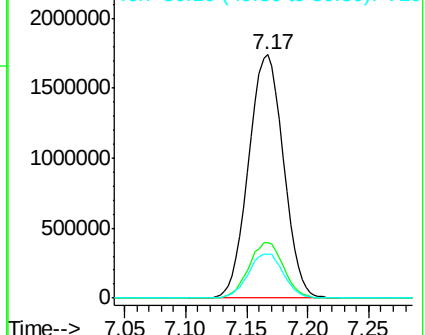
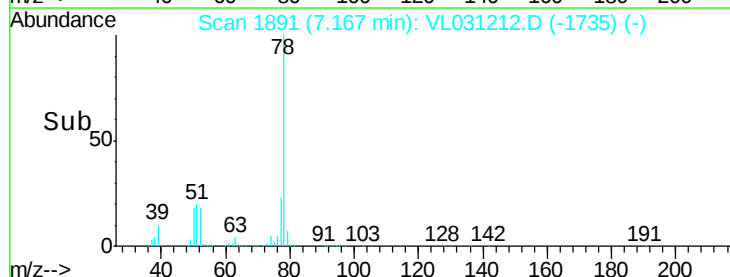
50 18.2 14.6 21.8

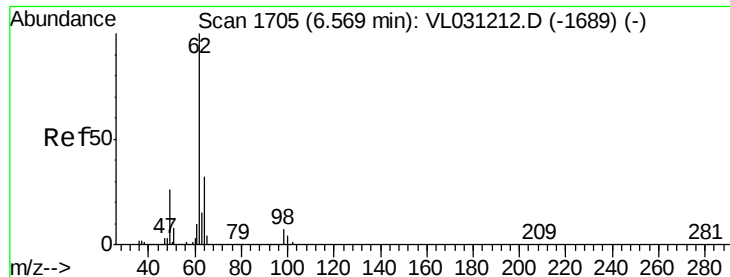


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

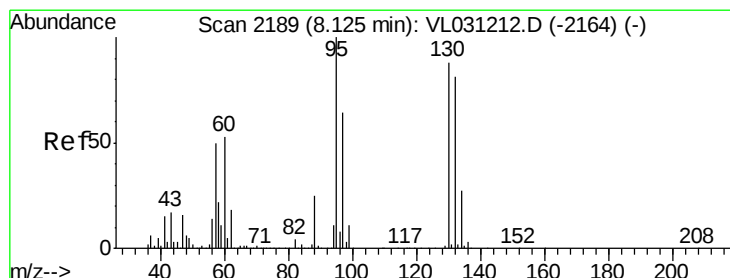
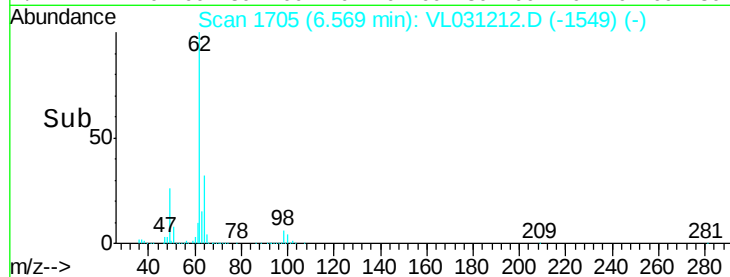
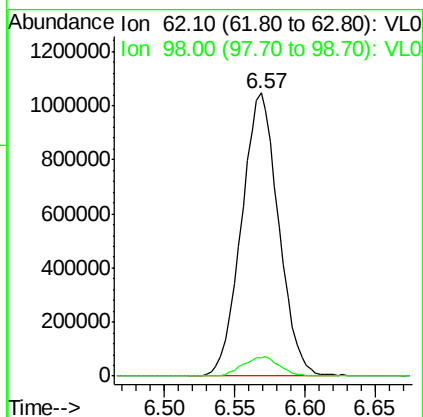
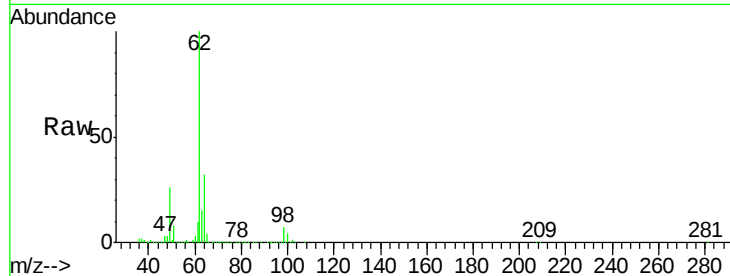
Ion 50.10 (49.80 to 50.80): VL0





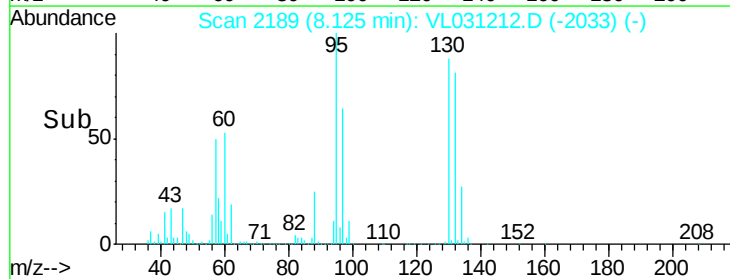
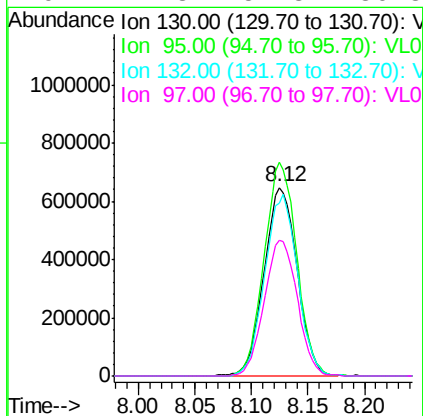
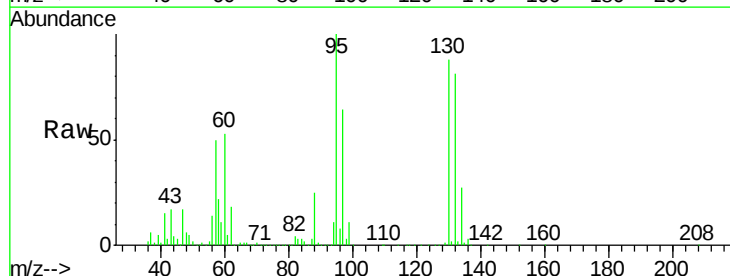
#37
 1,2-Dichloroethane
 Concen: 8.77 ppbv
 RT: 6.57 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

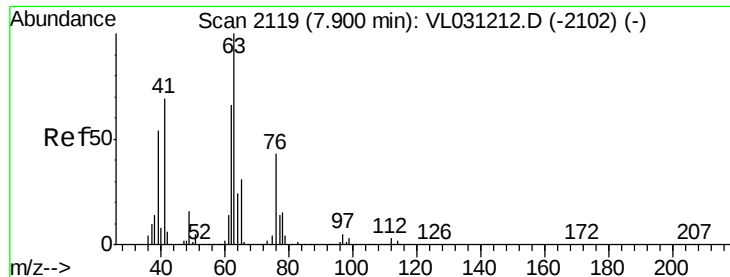
Tot Ion: 62 Resp: 1928421
 Ion Ratio Lower Upper
 62 100
 98 6.8 5.4 8.2



#38
 Trichloroethene
 Concen: 9.19 ppbv
 RT: 8.12 min Scan# 2189
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Tgt Ion: 130 Resp: 1309356
 Ion Ratio Lower Upper
 130 100
 95 113.2 90.6 135.8
 132 91.9 73.5 110.3
 97 72.3 57.8 86.8





#39

1,2-Dichloropropane

Concen: 8.91 ppbv

RT: 7.90 min Scan# 2119

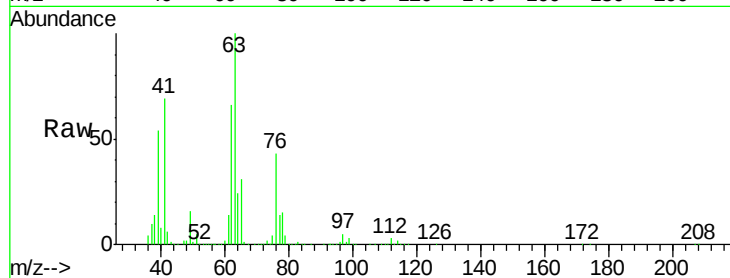
Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tot Ion: 63 Resp: 1277738

Ion	Ratio	Lower	Upper
63	100		
41	69.0	55.2	82.8
62	66.2	53.0	79.4

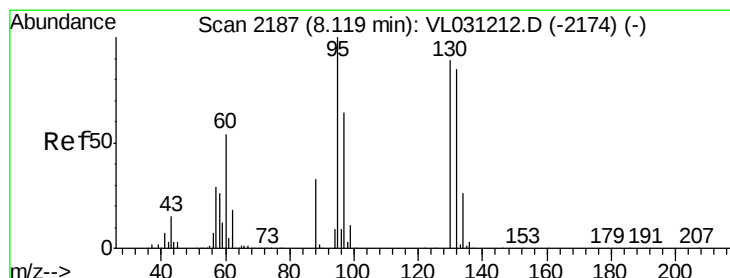
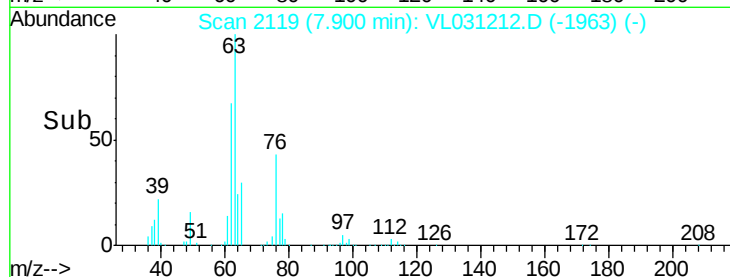
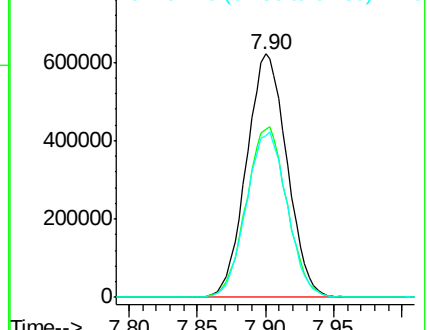


Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.69 ppbv

RT: 8.12 min Scan# 2187

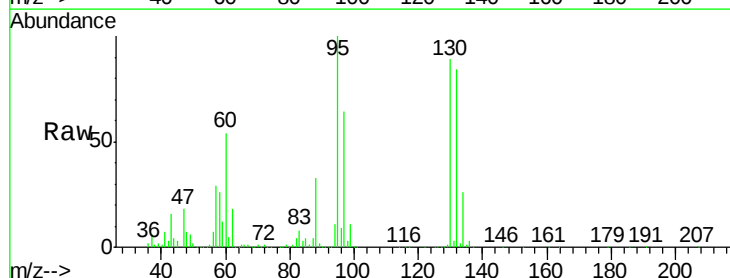
Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tgt Ion: 88 Resp: 494906

Ion	Ratio	Lower	Upper
88	100		
58	130.4	104.3	156.5
43	0.0	0.0	0.0
57	0.0	0.0	0.0



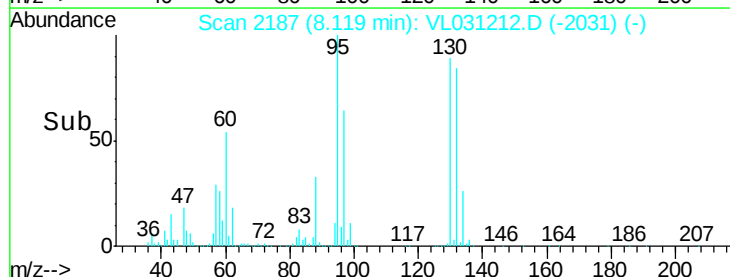
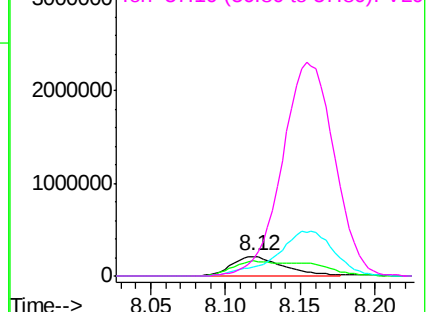
Abundance

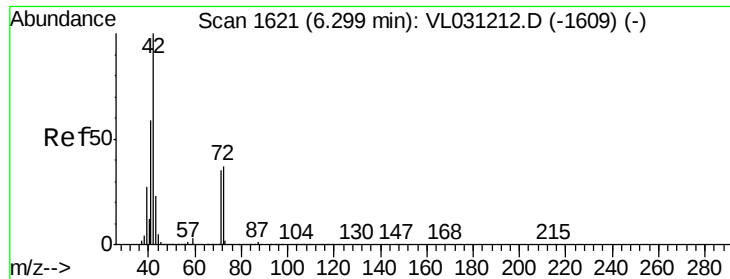
Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.13 ppbv

RT: 6.30 min Scan# 1621

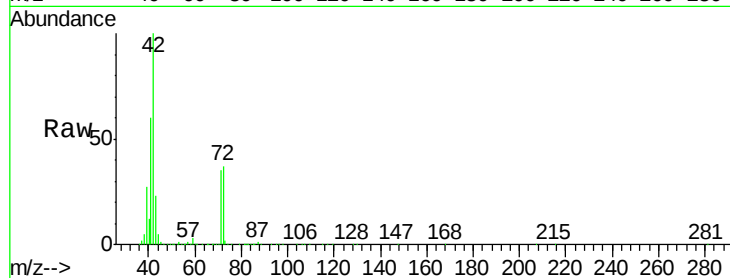
Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tot Ion: 42 Resp: 1424658

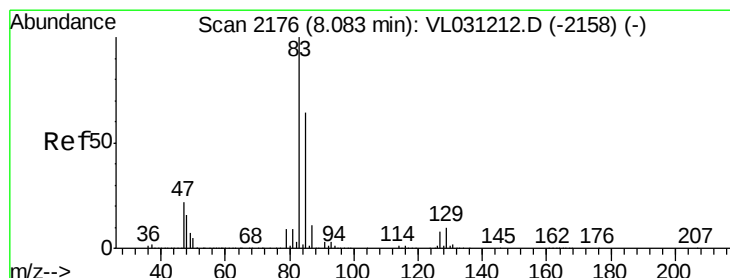
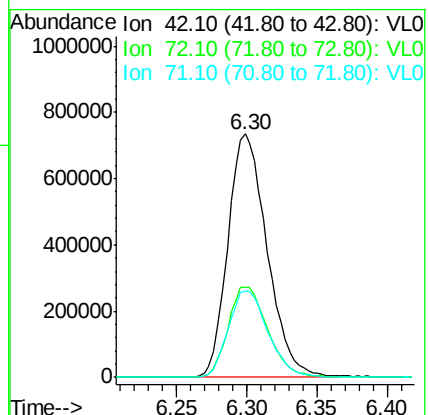
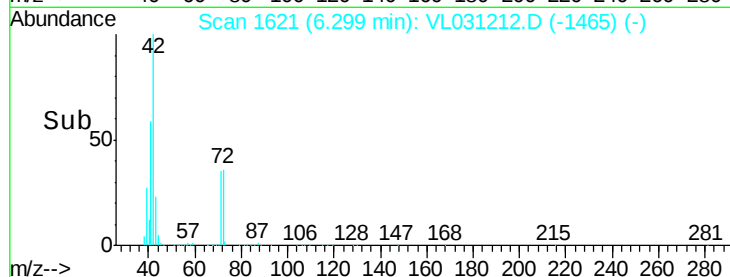
Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.2	45.4
71	36.3	29.0	43.6



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.81 ppbv

RT: 8.08 min Scan# 2176

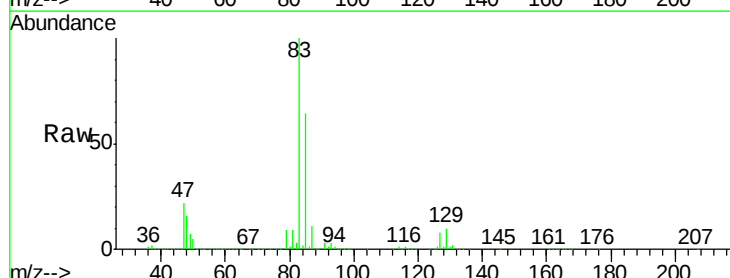
Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tgt Ion: 83 Resp: 2570850

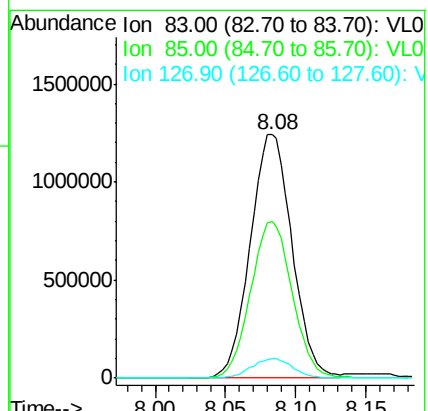
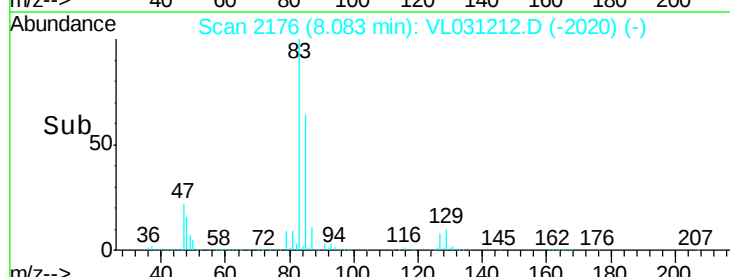
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3
127	8.1	6.5	9.7

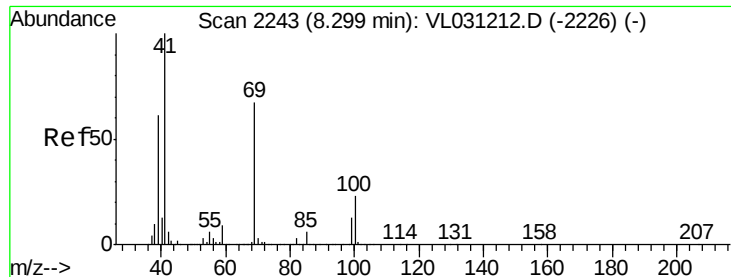


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.03 ppbv

RT: 8.30 min Scan# 2243

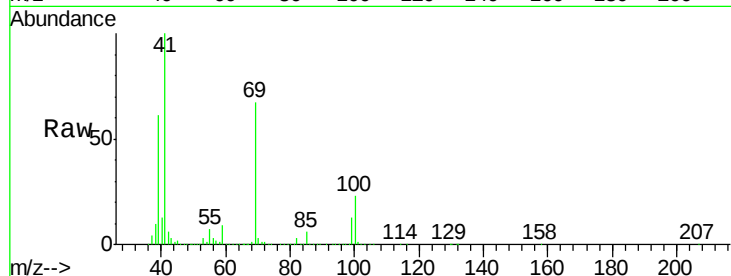
Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tot Ion: 69 Resp: 1314047

Ion	Ratio	Lower	Upper
69	100		
41	151.4	121.1	181.7
100	34.3	27.4	41.2

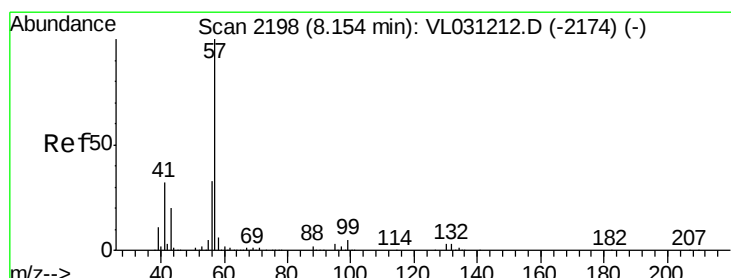
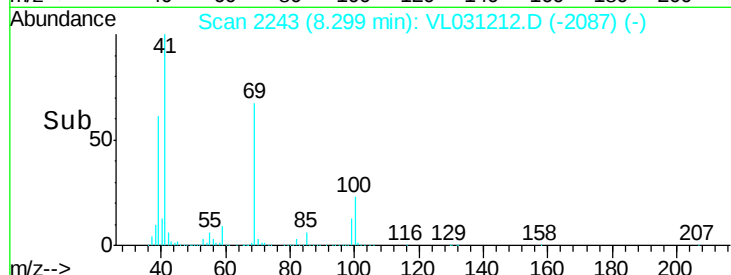
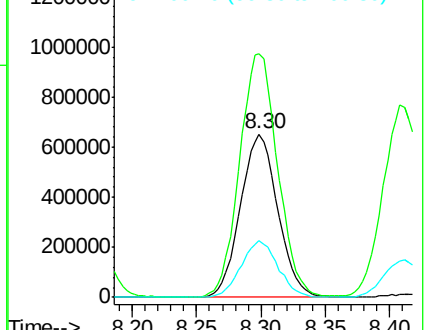


Abundance

Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 8.94 ppbv

RT: 8.15 min Scan# 2198

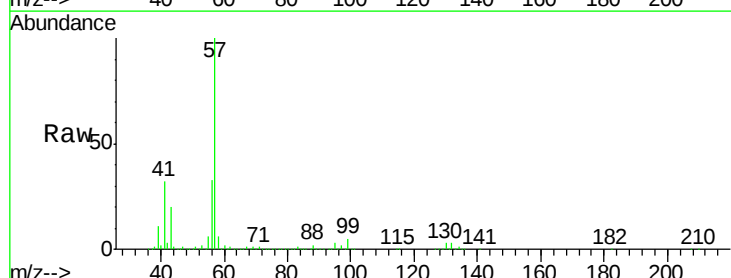
Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tgt Ion: 57 Resp: 5598529

Ion	Ratio	Lower	Upper
57	100		
41	31.9	25.5	38.3
56	31.3	25.0	37.6

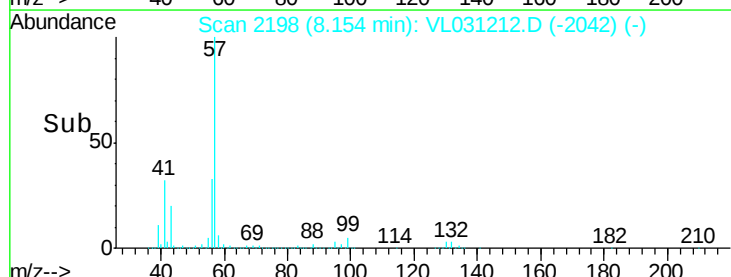
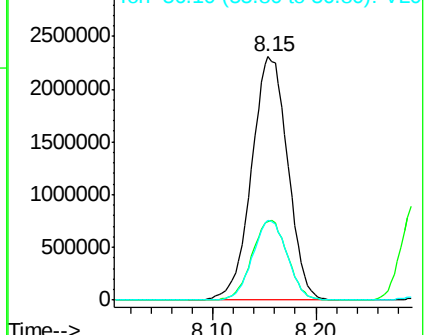


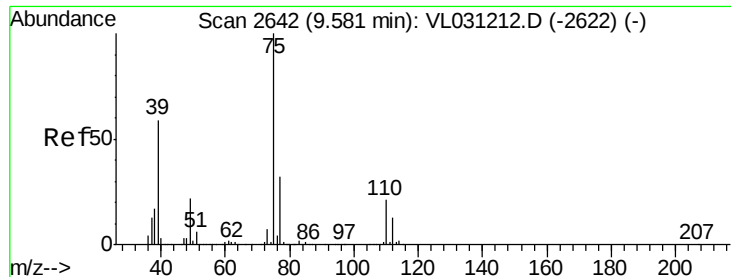
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.66 ppbv

RT: 9.58 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VL031212.D

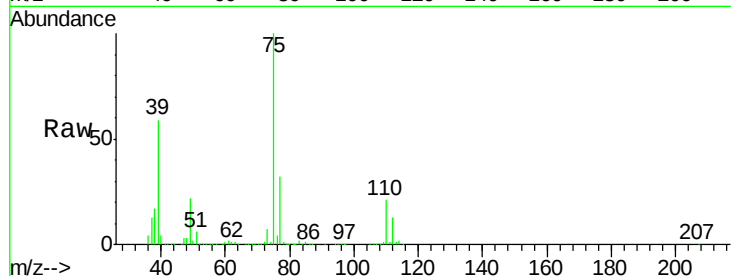
Acq: 13 Dec 2017 22:26

Tot Ion: 75 Resp: 1892518

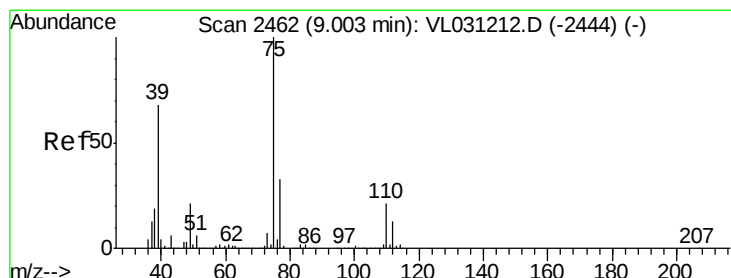
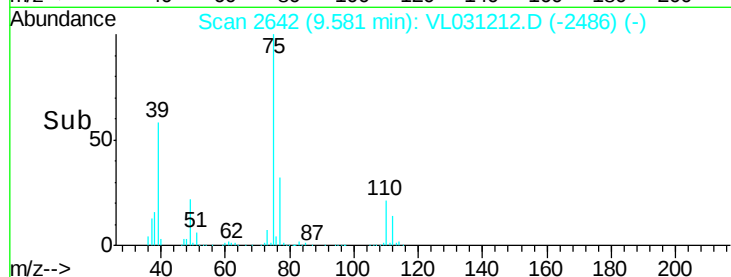
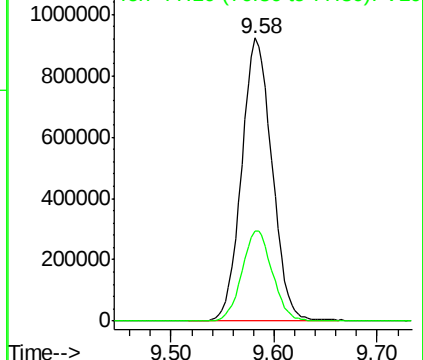
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



Abundance Ion 75.10 (74.80 to 75.80): VL0
Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.69 ppbv

RT: 9.00 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

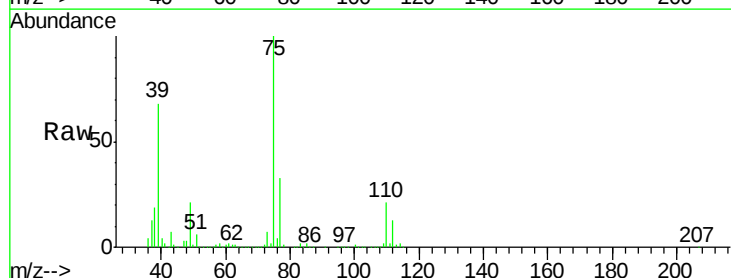
Tgt Ion: 75 Resp: 2297556

Ion Ratio Lower Upper

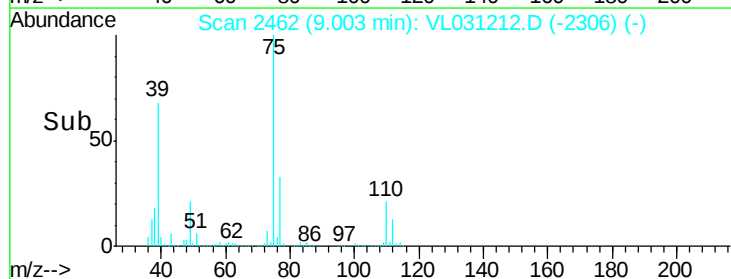
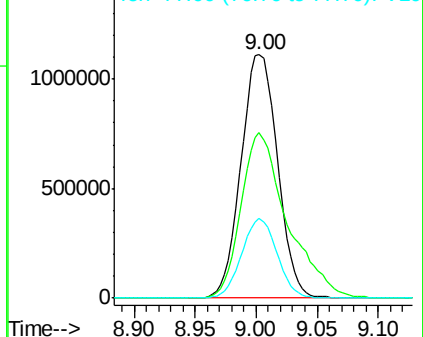
75 100

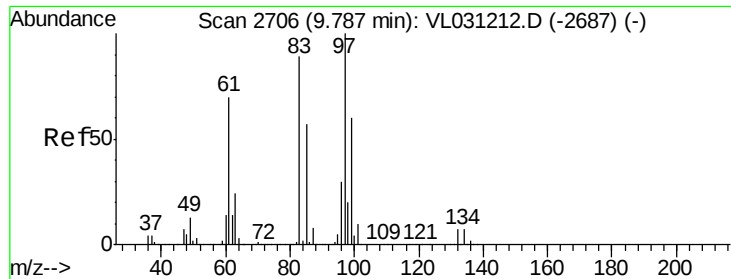
39 67.8 54.2 81.4

77 32.8 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VL0
Ion 39.00 (38.70 to 39.70): VL0
Ion 77.00 (76.70 to 77.70): VL0

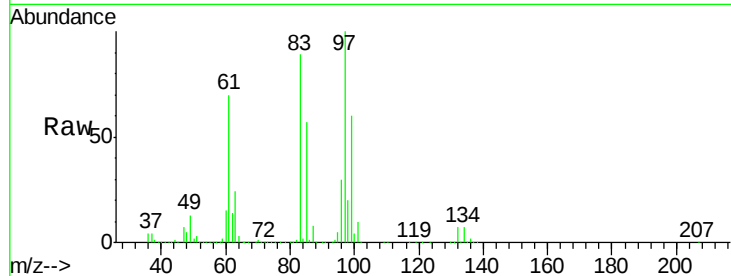




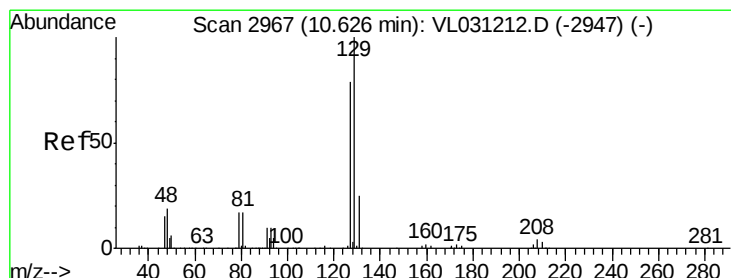
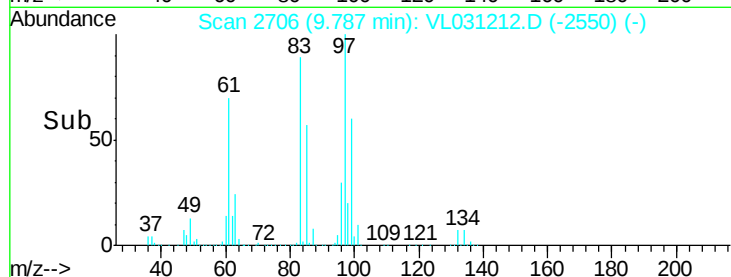
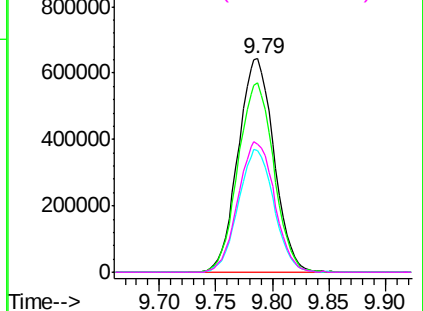
#47
 1,1,2-Trichloroethane
 Concen: 9.33 ppbv
 RT: 9.79 min Scan# 2706
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Tot Ion: 97 Resp: 1418456

Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	56.6	45.3	67.9
99	59.7	47.8	71.6



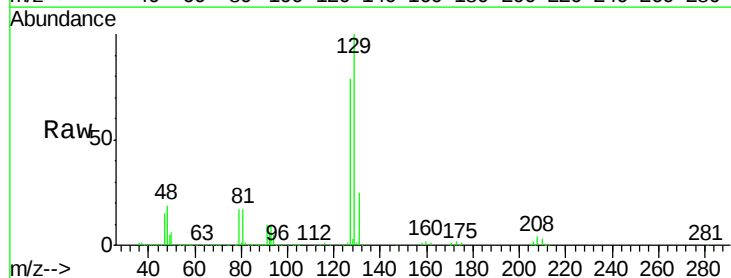
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



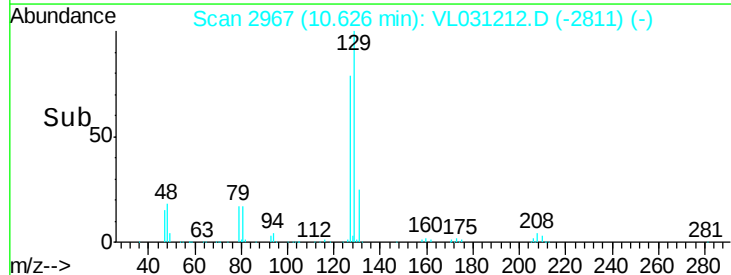
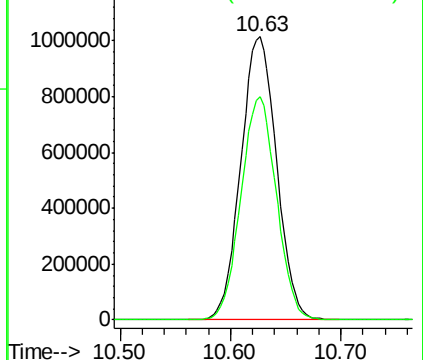
#48
 Dibromochloromethane
 Concen: 11.15 ppbv
 RT: 10.63 min Scan# 2967
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

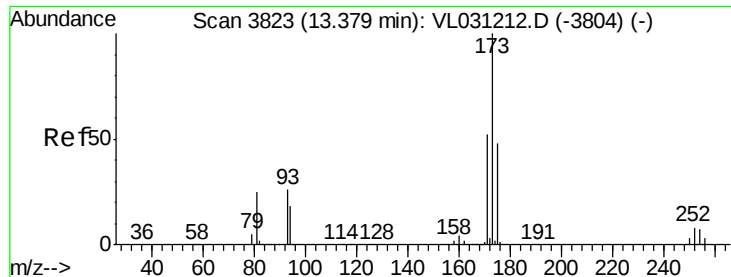
Tgt Ion: 129 Resp: 2280318

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.5



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.70 ppbv

RT: 13.38 min Scan# 3823

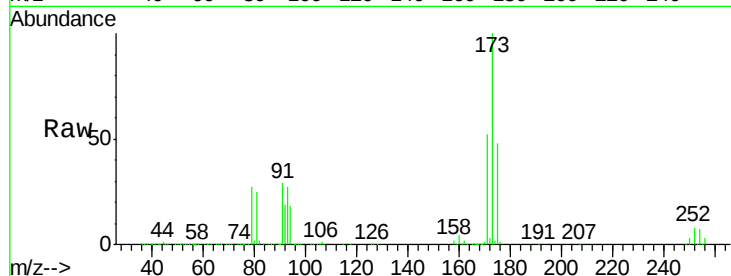
Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tot Ion:173 Resp: 1807695

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.4
171	52.4	41.8	62.8

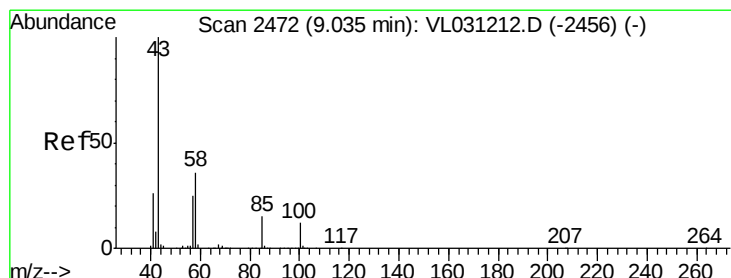
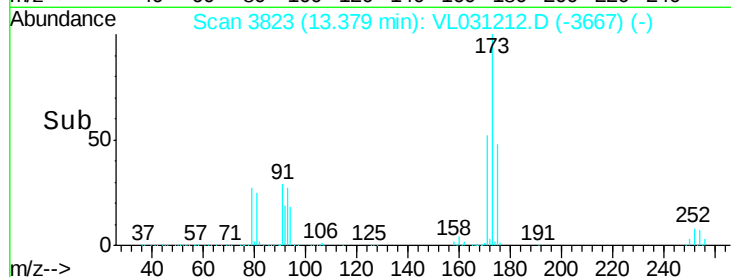
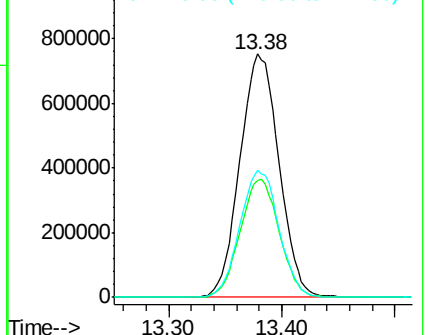


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.25 ppbv

RT: 9.03 min Scan# 2472

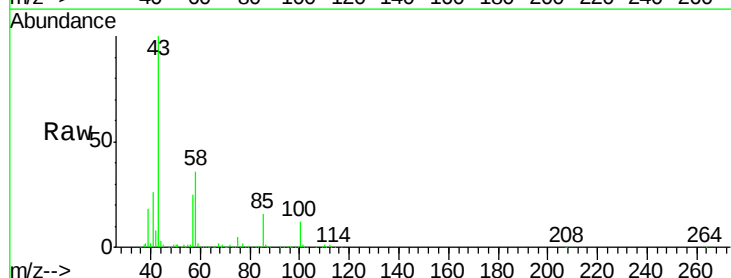
Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tgt Ion: 43 Resp: 3142785

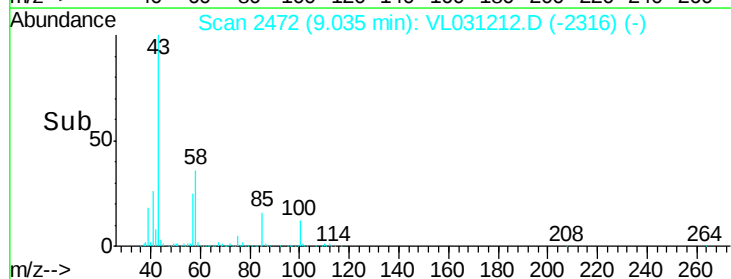
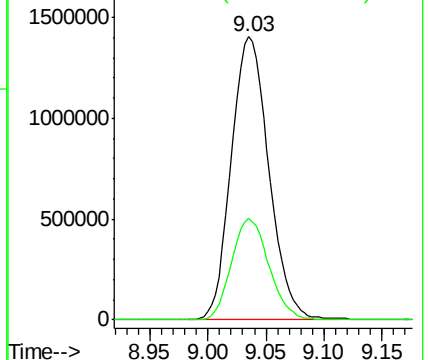
Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.8	43.2

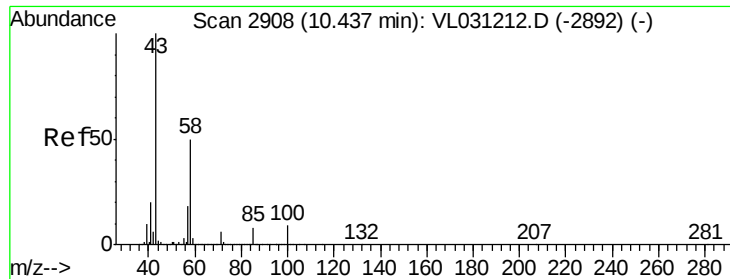


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.50 ppbv

RT: 10.44 min Scan# 2908

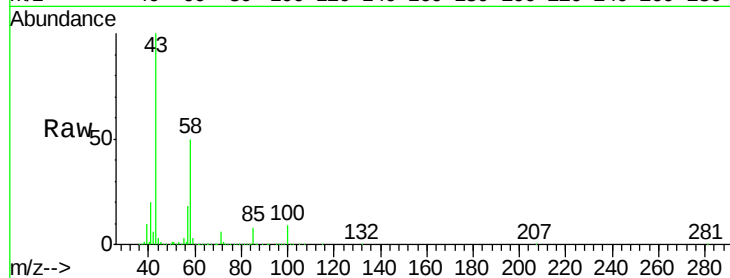
Delta R.T. 0.00 min

Lab File: VL031212.D

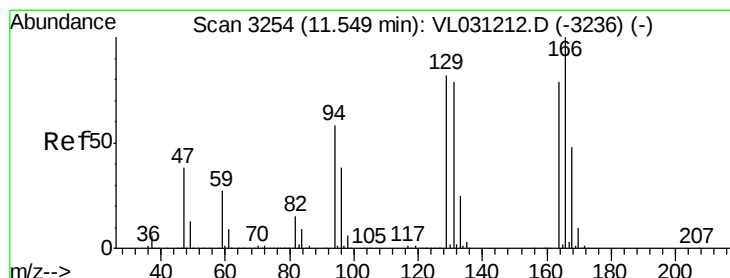
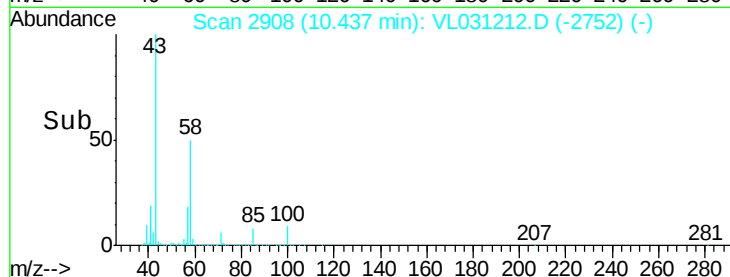
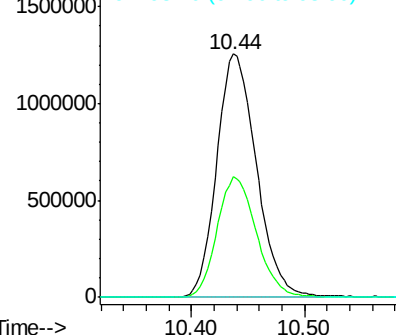
Acq: 13 Dec 2017 22:26

Tot Ion: 43 Resp: 3054370

Ion	Ratio	Lower	Upper
43	100		
58	49.5	39.8	59.6
98	0.0	0.0	0.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.76 ppbv

RT: 11.55 min Scan# 3254

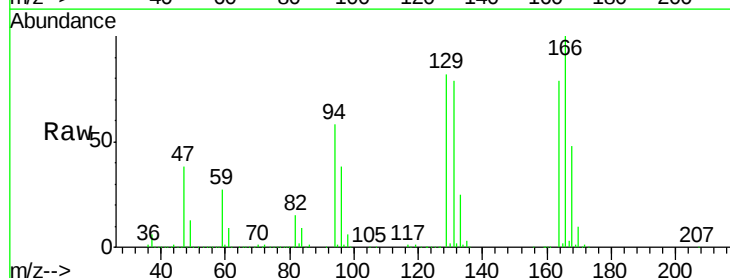
Delta R.T. 0.00 min

Lab File: VL031212.D

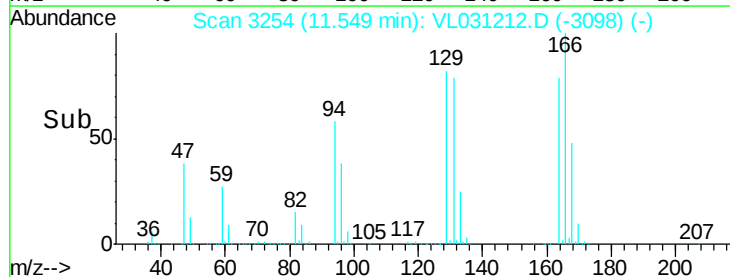
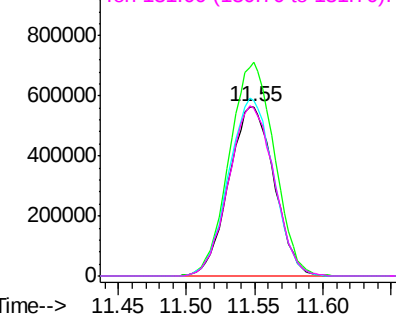
Acq: 13 Dec 2017 22:26

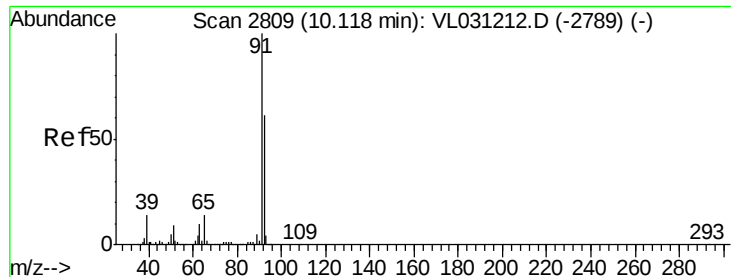
Tgt Ion: 164 Resp: 1297210

Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.6	151.0
129	103.6	82.9	124.3
131	99.0	79.2	118.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.71 ppbv

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VL031212.D

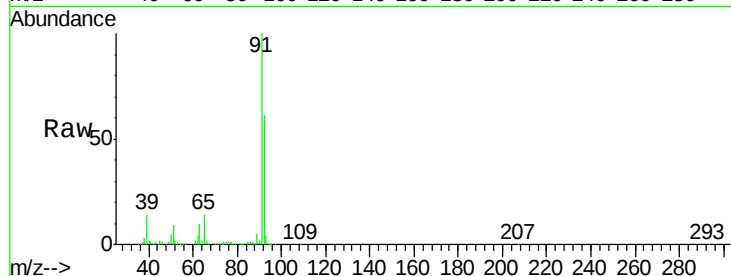
Acq: 13 Dec 2017 22:26

Tot Ion: 91 Resp: 4115570

Ion Ratio Lower Upper

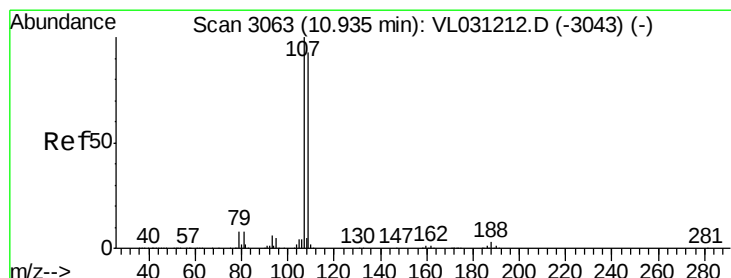
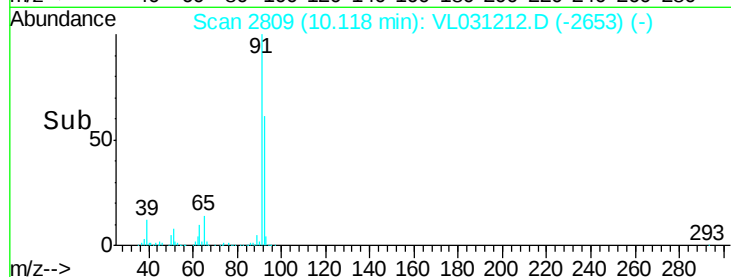
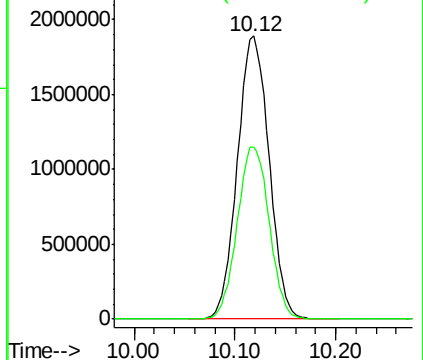
91 100

92 61.4 49.1 73.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.94 ppbv

RT: 10.94 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VL031212.D

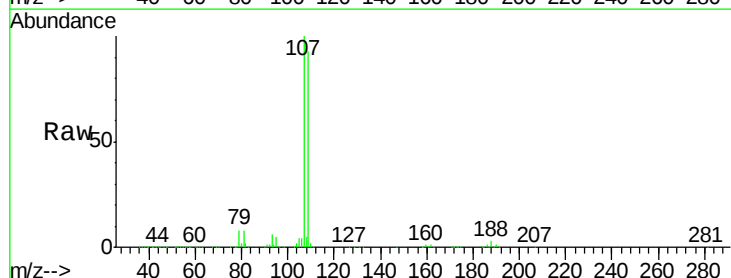
Acq: 13 Dec 2017 22:26

Tgt Ion: 107 Resp: 2149679

Ion Ratio Lower Upper

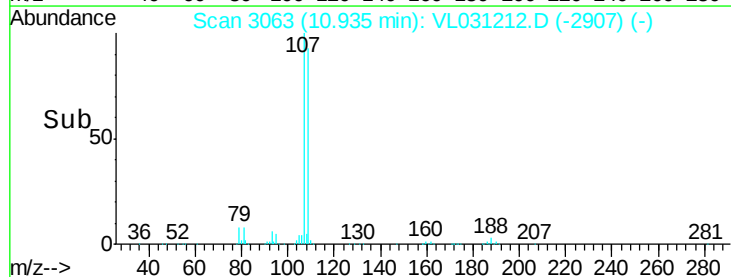
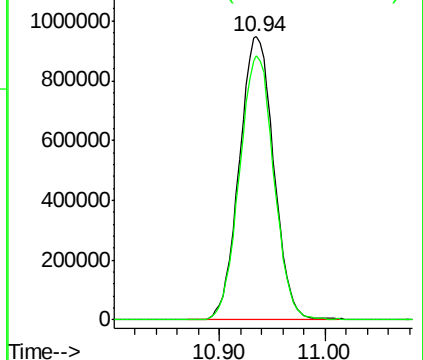
107 100

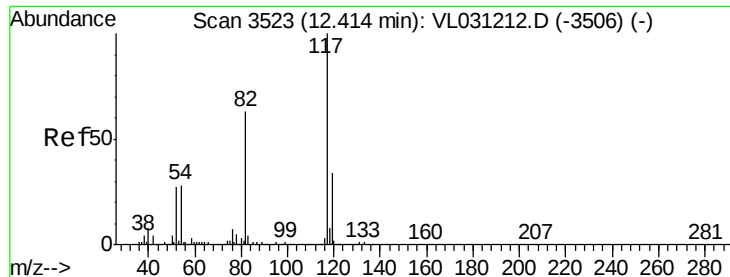
109 93.4 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

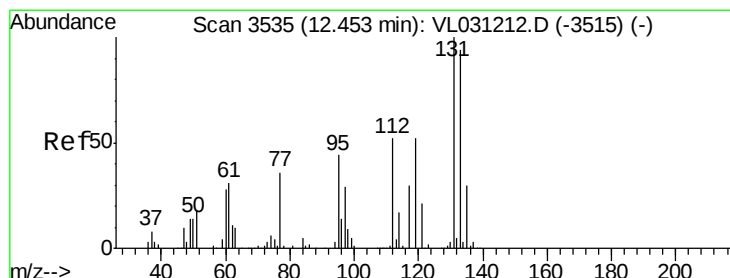
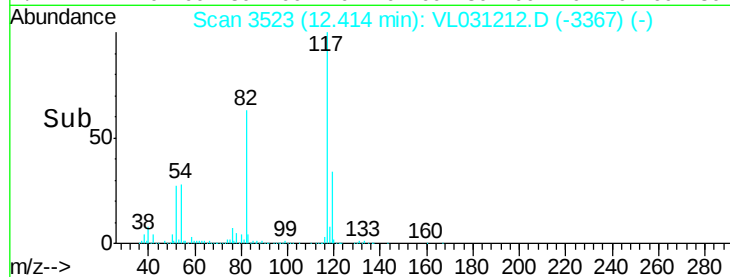
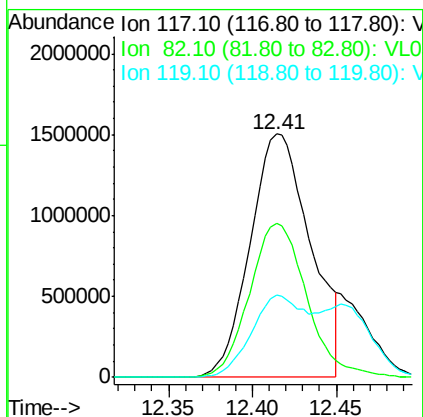
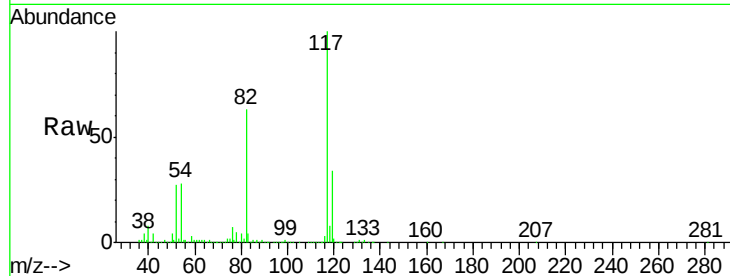




#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.41 min Scan# 3523
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Tot Ion:117 Resp: 3772736

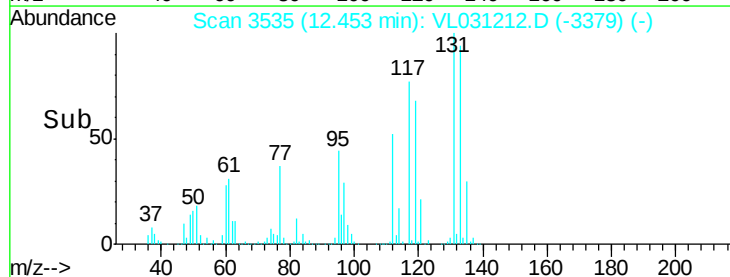
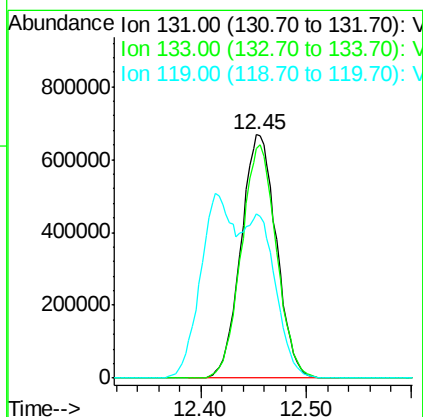
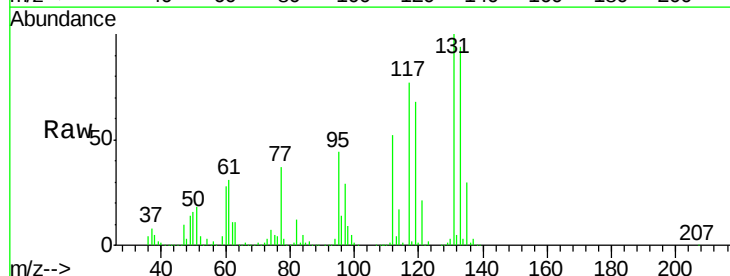
Ion	Ratio	Lower	Upper
117	100		
82	60.0	48.1	72.1
119	30.9	23.1	34.7

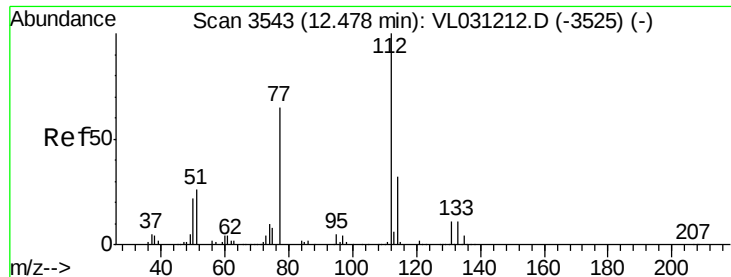


#56
1,1,1,2-Tetrachloroethane
Concen: 10.05 ppbv
RT: 12.45 min Scan# 3535
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Tgt Ion:131 Resp: 1556135

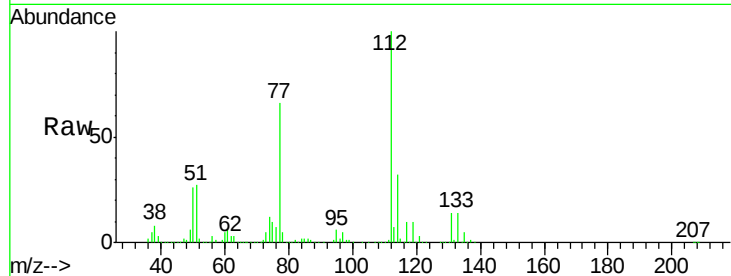
Ion	Ratio	Lower	Upper
131	100		
133	95.1	76.1	114.1
119	60.3	108.5	162.7



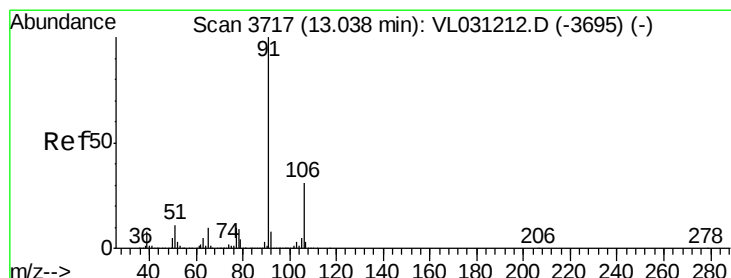
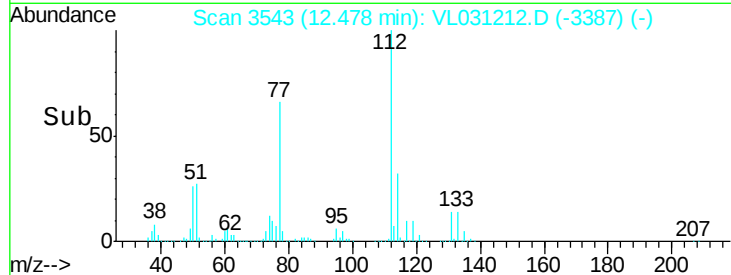
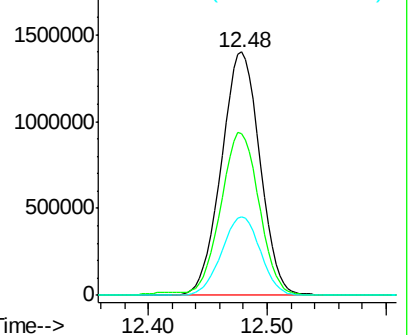


#57
Chlorobenzene
Concen: 8.51 ppbv
RT: 12.48 min Scan# 3543
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Tot Ion:112 Resp: 3138704
Ion Ratio Lower Upper
112 100
77 66.1 52.9 79.3
114 32.3 29.1 35.5

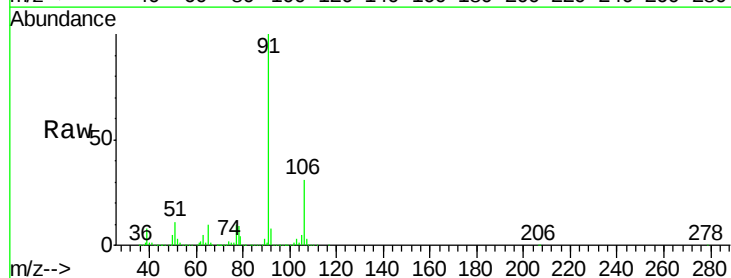


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

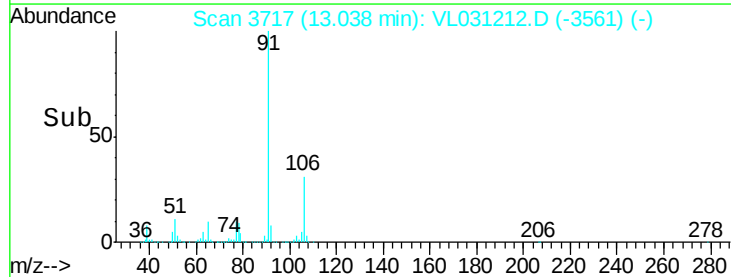
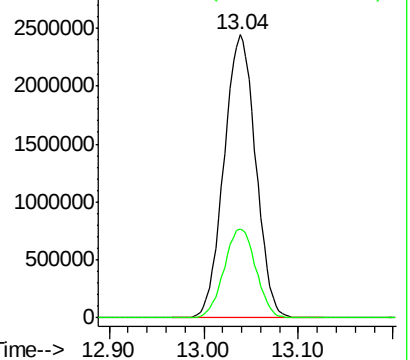


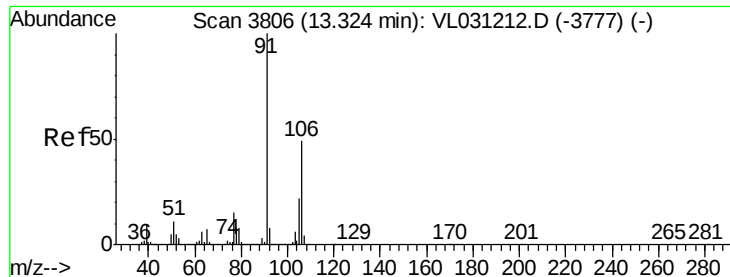
#58
Ethyl Benzene
Concen: 8.79 ppbv
RT: 13.04 min Scan# 3717
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Tgt Ion: 91 Resp: 5680091
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7



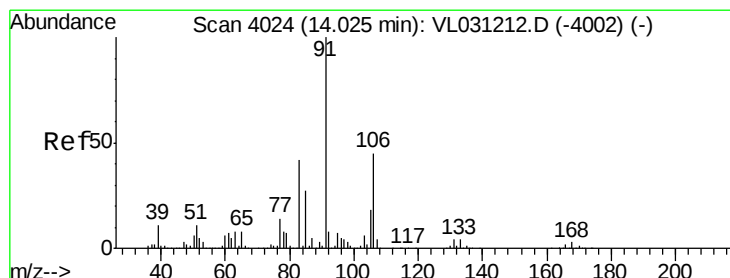
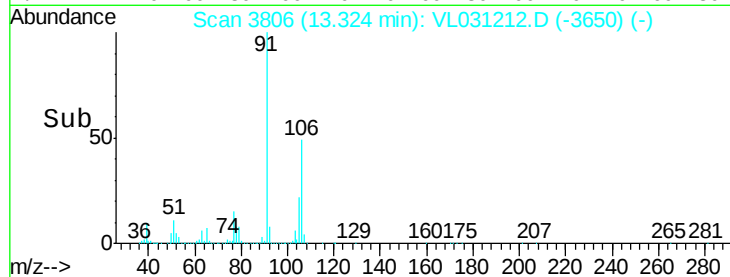
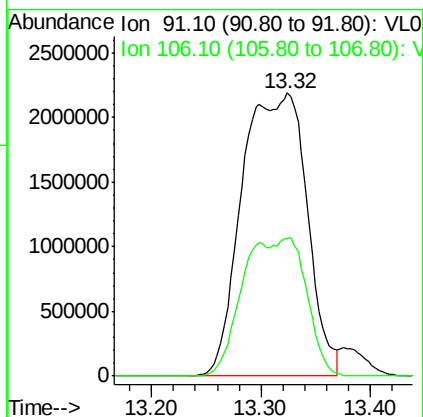
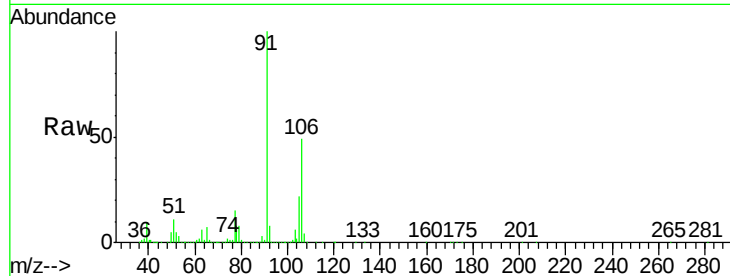
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





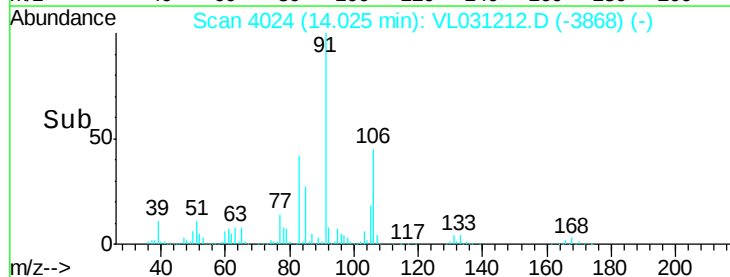
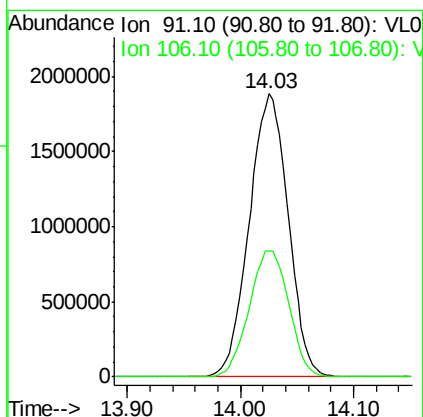
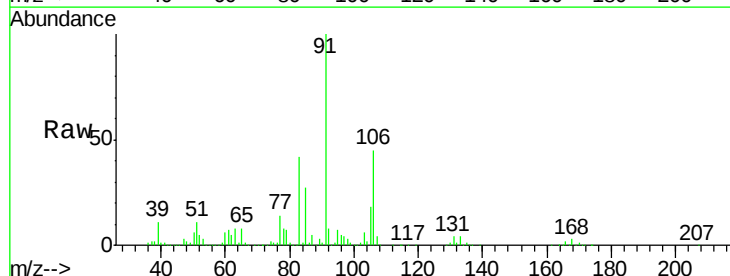
#59
m/p-Xylene
Concen: 16.48 ppbv m
RT: 13.32 min Scan# 3806
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

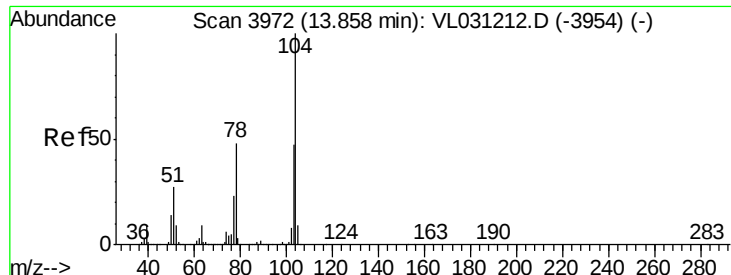
Tot Ion: 91 Resp: 8982405
Ion Ratio Lower Upper
91 100
106 48.0 38.5 57.7



#60
o-Xylene
Concen: 8.31 ppbv
RT: 14.03 min Scan# 4024
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

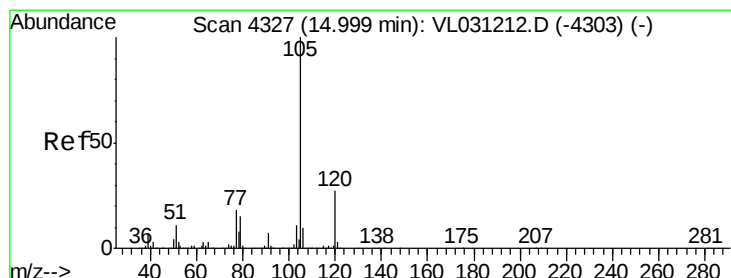
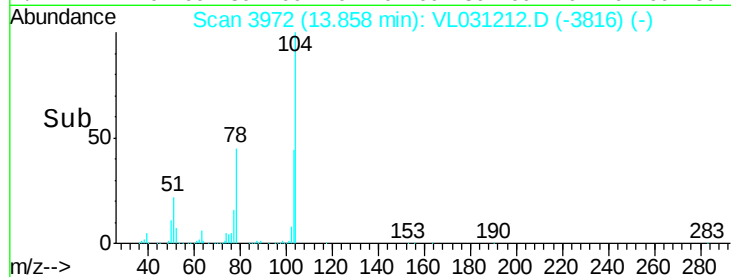
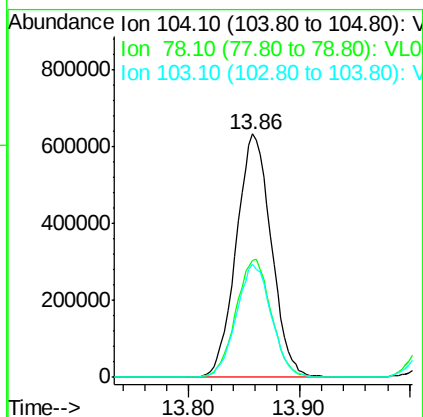
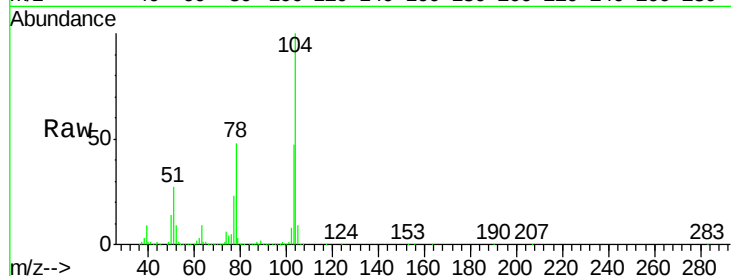
Tgt Ion: 91 Resp: 4505893
Ion Ratio Lower Upper
91 100
106 45.4 22.7 68.1





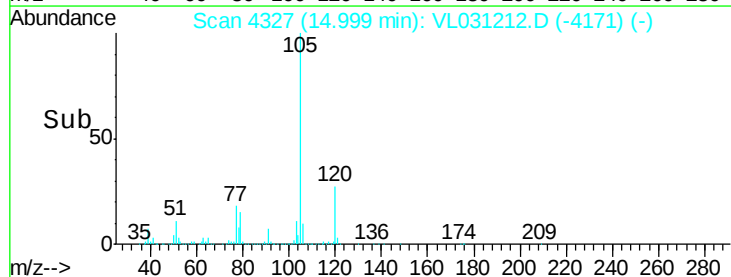
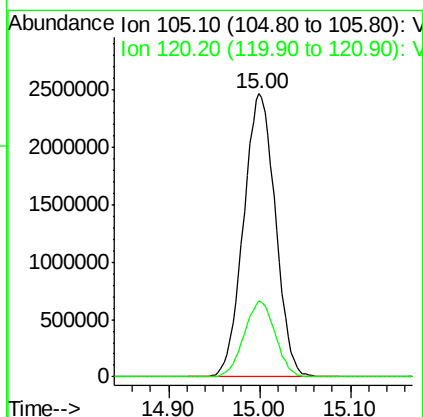
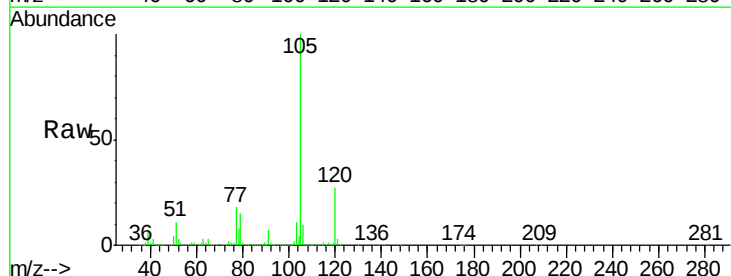
#61
Stvrene
Concen: 10.21 ppbv
RT: 13.86 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

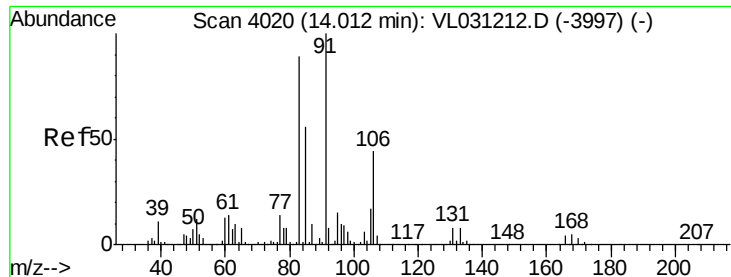
Tot Ion:104 Resp: 1391820
Ion Ratio Lower Upper
104 100
78 48.9 39.1 58.7
103 46.6 37.3 55.9



#62
Isopropylbenzene
Concen: 9.23 ppbv
RT: 15.00 min Scan# 4327
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Tgt Ion:105 Resp: 5988174
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.6





#63

1,1,2,2-Tetrachloroethane

Concen: 6.85 ppbv

RT: 14.01 min Scan# 4020

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

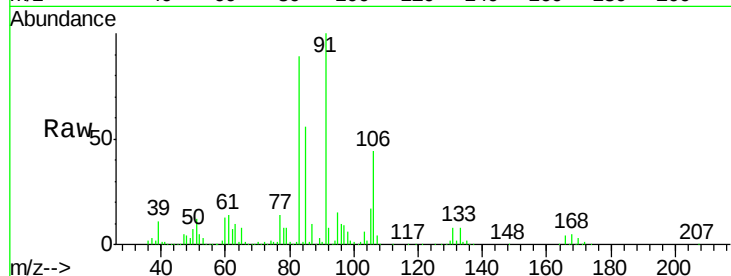
Tot Ion: 83 Resp: 2893392

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.5	32.1	96.5

83 100

131 9.5 4.8 14.3

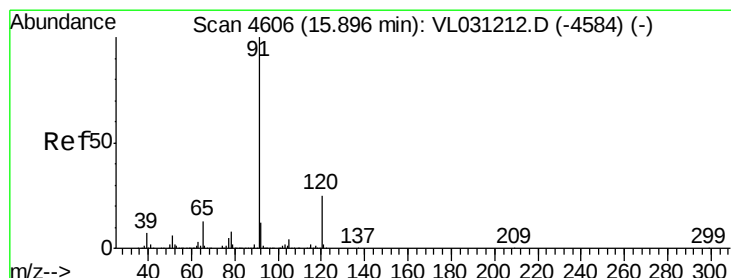
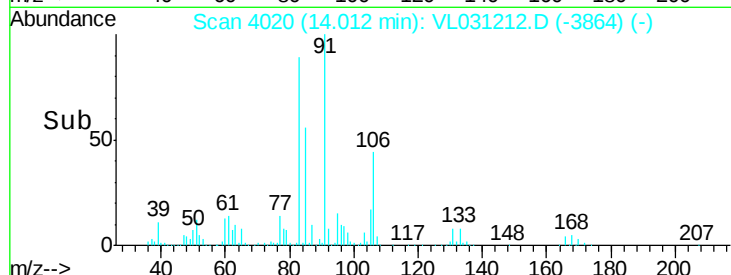
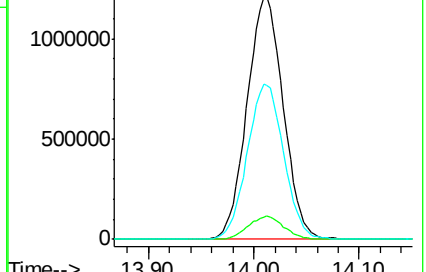
85 64.5 32.1 96.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.07 ppbv

RT: 15.90 min Scan# 4606

Delta R.T. 0.00 min

Lab File: VL031212.D

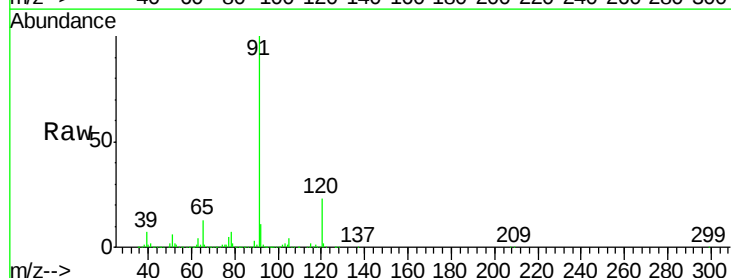
Acq: 13 Dec 2017 22:26

Tgt Ion:120 Resp: 1609839

Ion	Ratio	Lower	Upper
120	100		
91	439.9	352.1	528.1

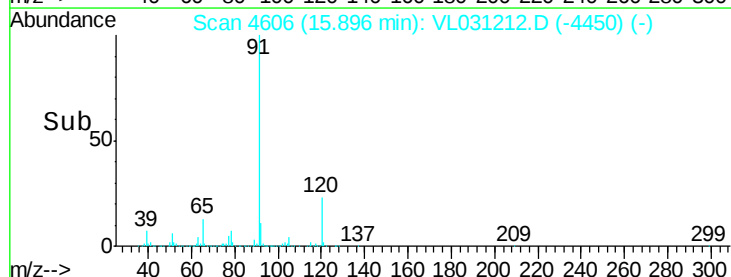
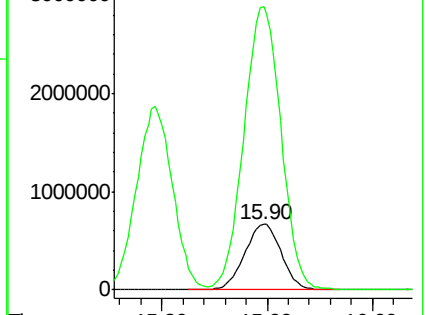
120 100

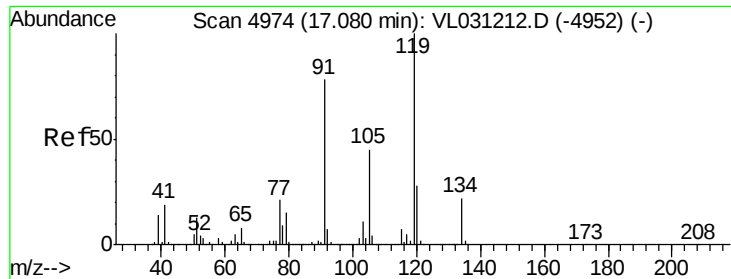
91 439.9 352.1 528.1



Abundance Ion 120.20 (119.90 to 120.90): V

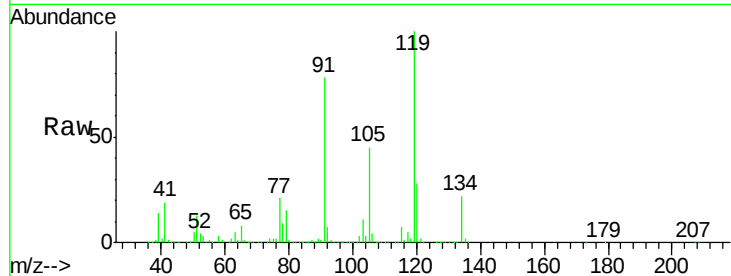
Ion 91.10 (90.80 to 91.80): VL0



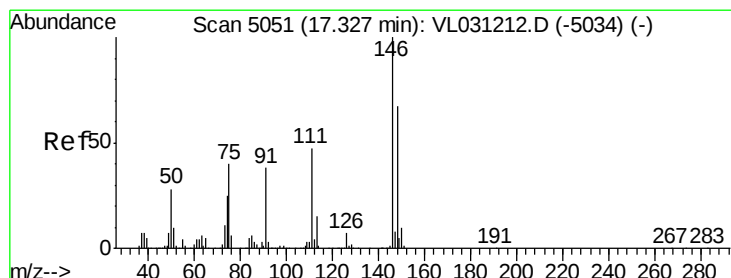
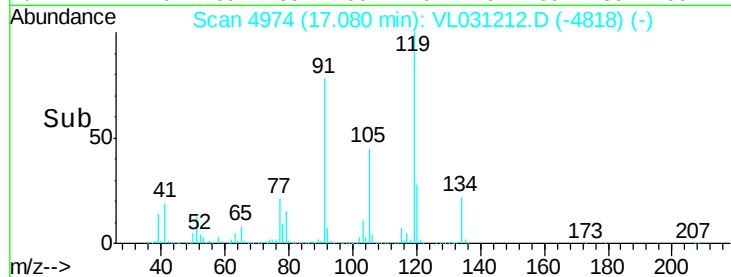
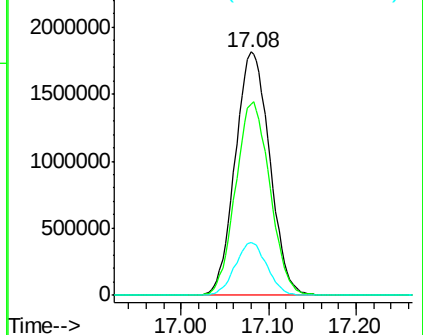


#65
tert-Butylbenzene
Concen: 8.72 ppbv
RT: 17.08 min Scan# 4974
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Tot Ion: 119 Resp: 4965954
Ion Ratio Lower Upper
119 100
91 79.1 63.3 94.9
134 20.1 16.1 24.1

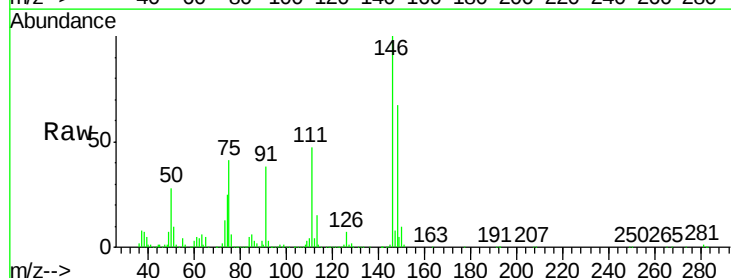


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

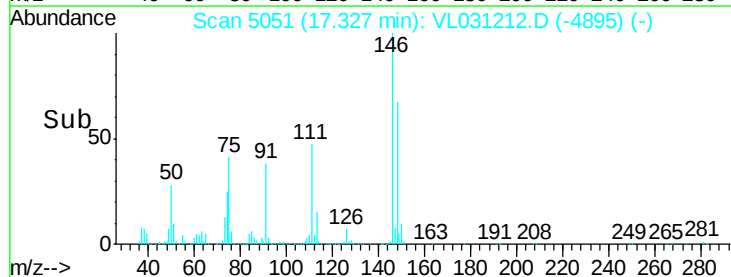
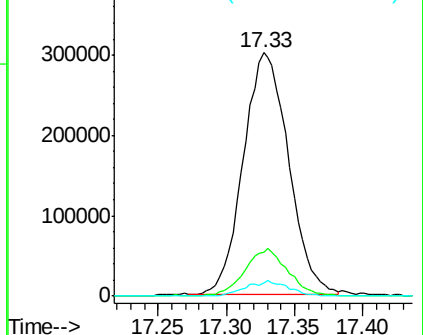


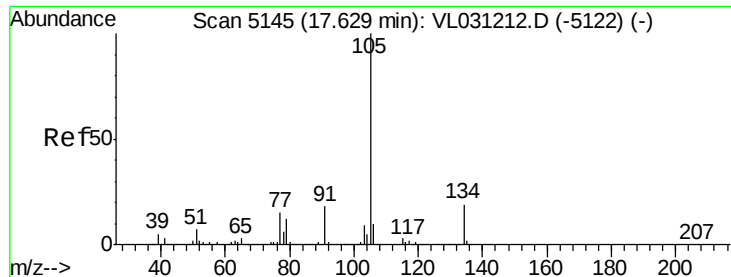
#66
Benzyl Chloride
Concen: 14.25 ppbv
RT: 17.33 min Scan# 5051
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Tgt Ion: 91 Resp: 694610
Ion Ratio Lower Upper
91 100
126 19.0 15.2 22.8
128 6.1 4.9 7.3



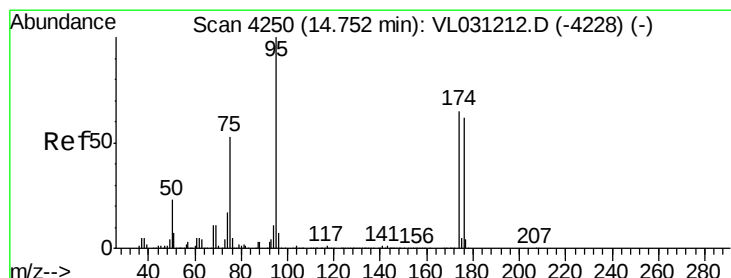
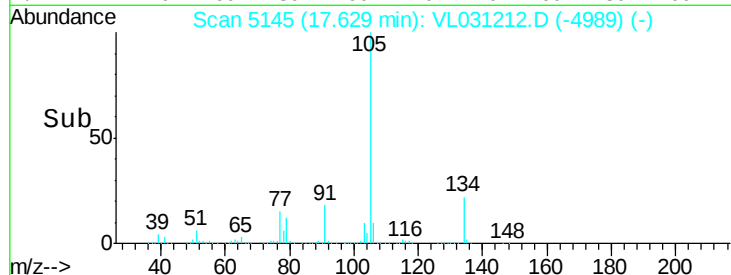
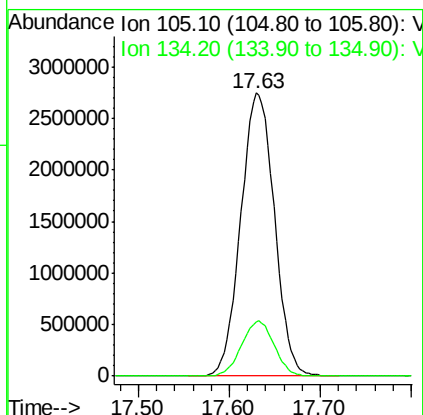
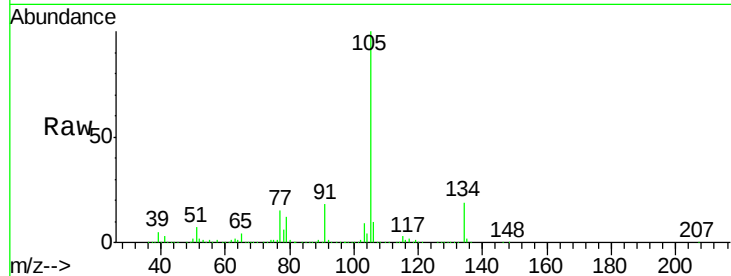
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V





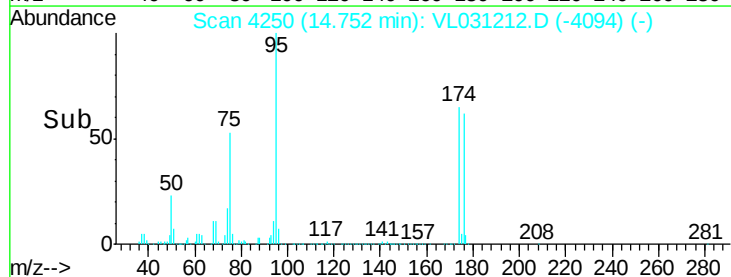
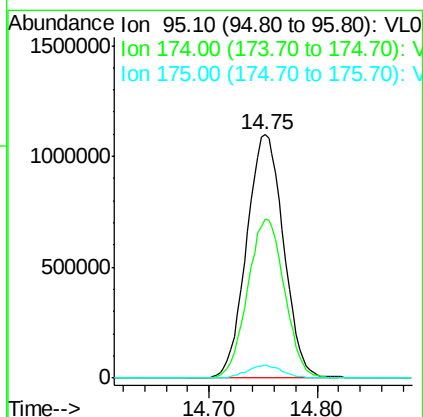
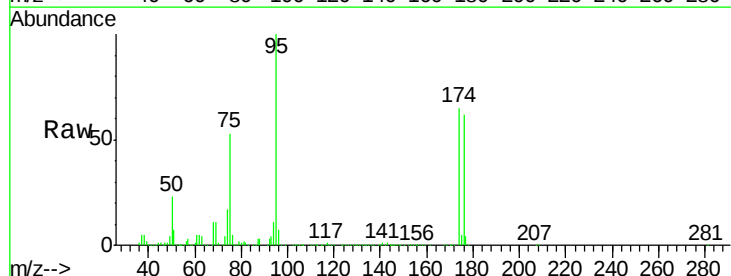
#67
 sec-Butylbenzene
 Concen: 8.17 ppbv
 RT: 17.63 min Scan# 5145
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

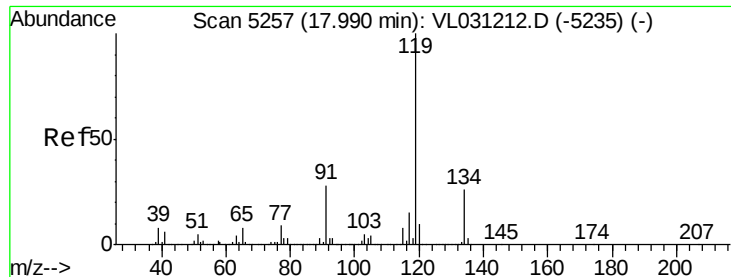
Tot Ion:105 Resp: 7045090
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.3 22.9



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.96 ppbv
 RT: 14.75 min Scan# 4250
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

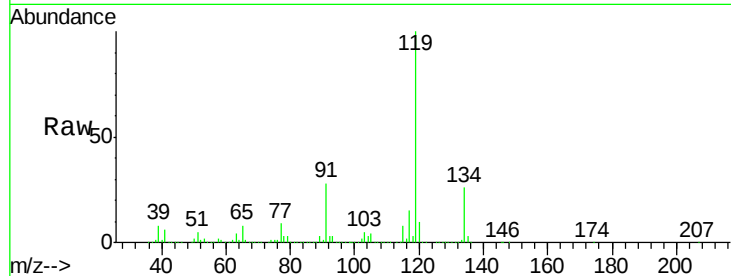
Tgt Ion: 95 Resp: 2612696
 Ion Ratio Lower Upper
 95 100
 174 65.6 52.5 78.7
 175 5.1 4.1 6.1



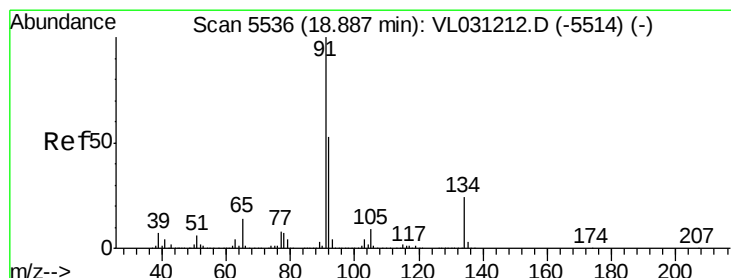
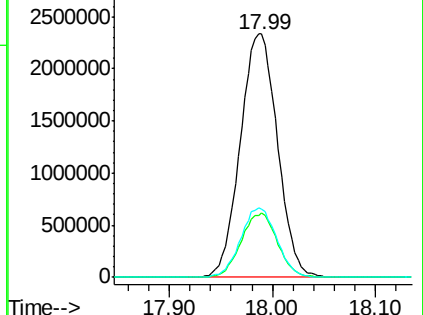
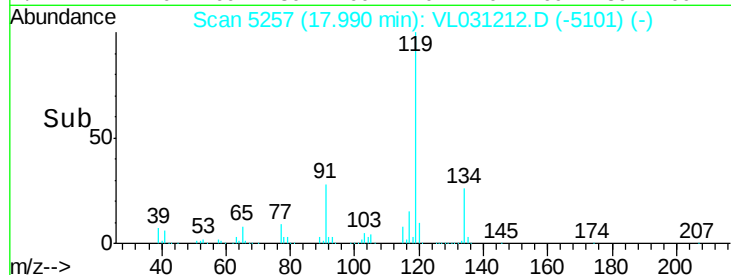


#69
 p-Isopropyltoluene
 Concen: 8.79 ppbv
 RT: 17.99 min Scan# 5257
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Tot Ion: 119 Resp: 5842784
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.7 31.1
 91 27.8 22.3 33.5

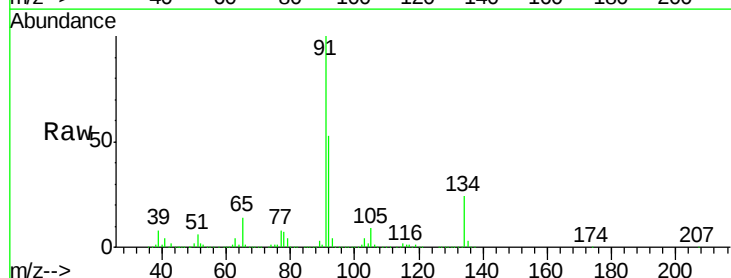


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

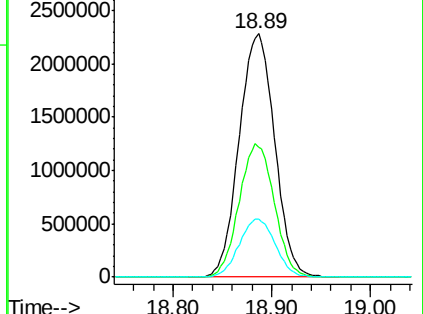
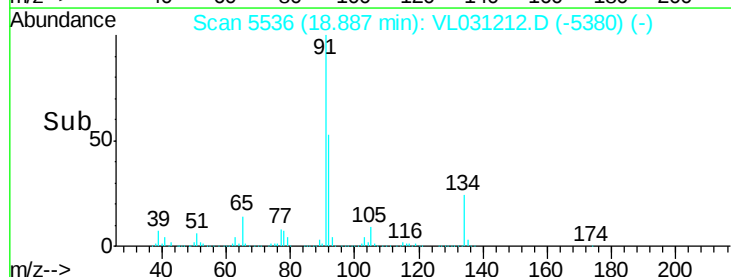


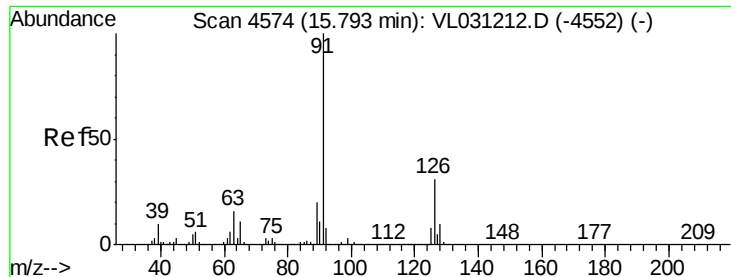
#70
 n-Butylbenzene
 Concen: 7.77 ppbv
 RT: 18.89 min Scan# 5536
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Tgt Ion: 91 Resp: 5691372
 Ion Ratio Lower Upper
 91 100
 92 54.3 43.4 65.2
 134 24.1 19.3 28.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.53 ppbv

RT: 15.79 min Scan# 4574

Delta R.T. 0.00 min

Lab File: VL031212.D

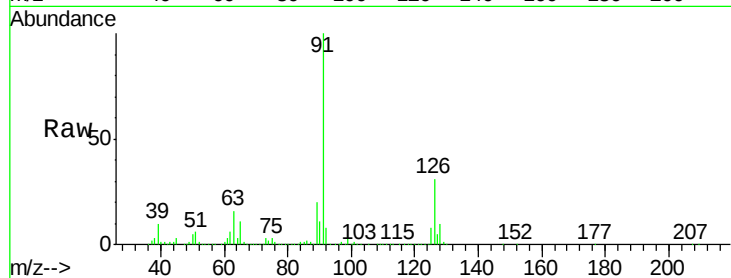
Acq: 13 Dec 2017 22:26

Tot Ion: 91 Resp: 4461727

Ion Ratio Lower Upper

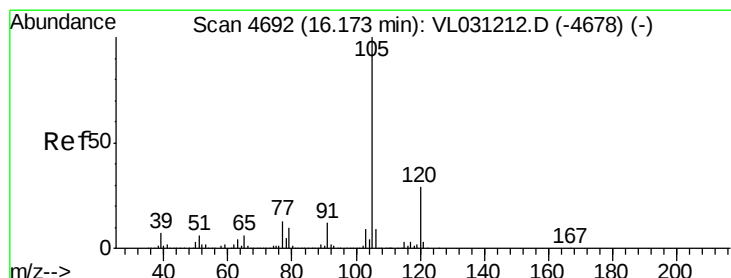
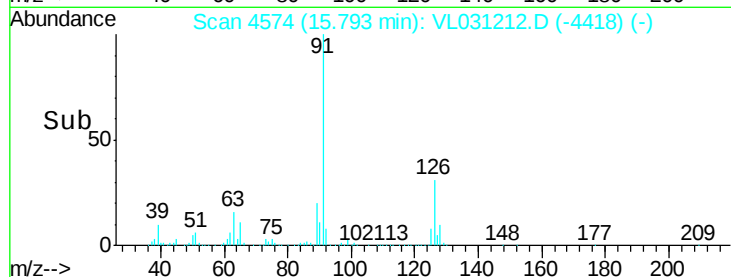
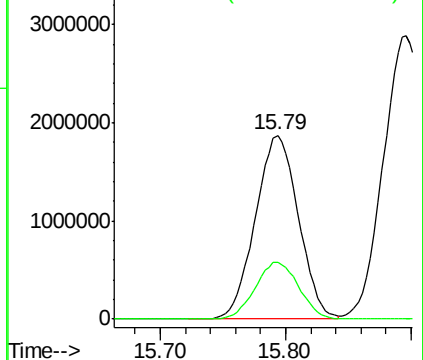
91 100

126 31.6 12.6 50.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.19 ppbv

RT: 16.17 min Scan# 4692

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tgt Ion:105 Resp: 5035165

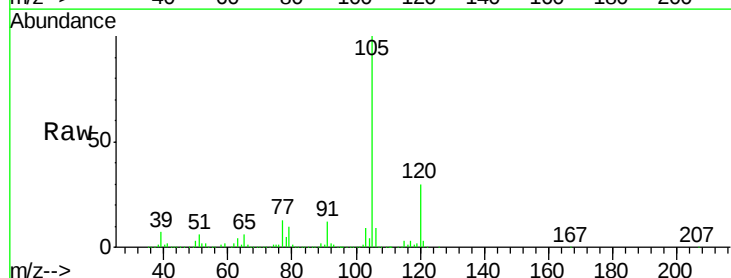
Ion Ratio Lower Upper

105 100

120 30.2 24.2 36.2

91 12.3 9.8 14.8

77 13.1 10.5 15.7

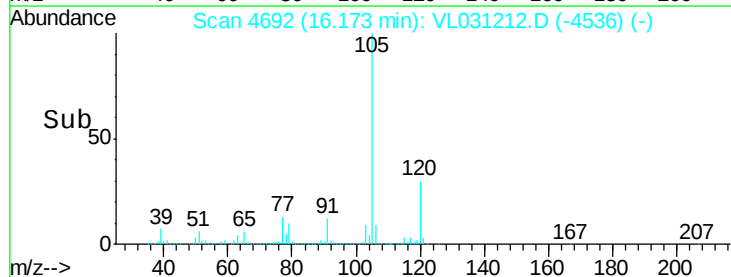
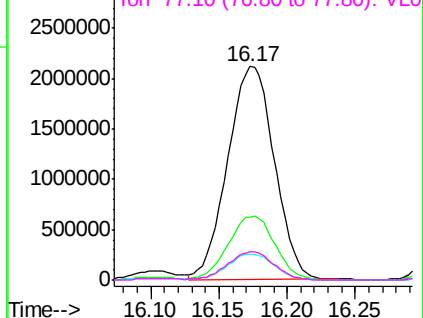


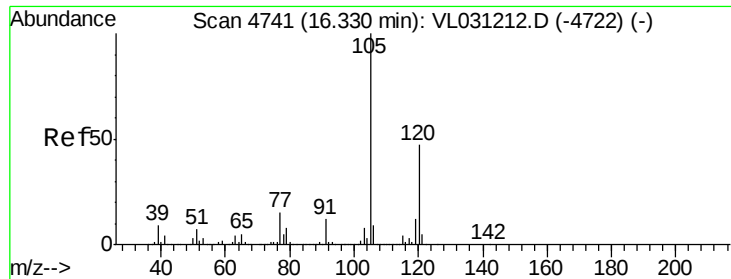
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.77 ppbv

RT: 16.33 min Scan# 4741

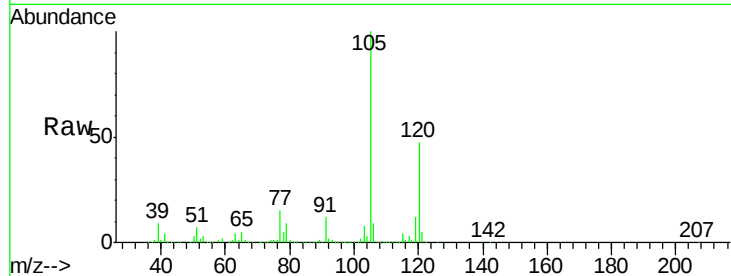
Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tot Ion:105 Resp: 4439320

Ion	Ratio	Lower	Upper
105	100		
120	47.2	37.8	56.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.33

2000000

1500000

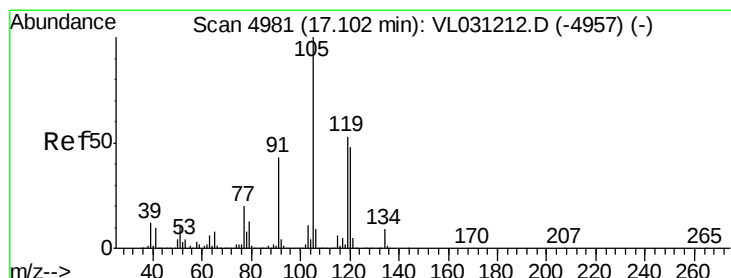
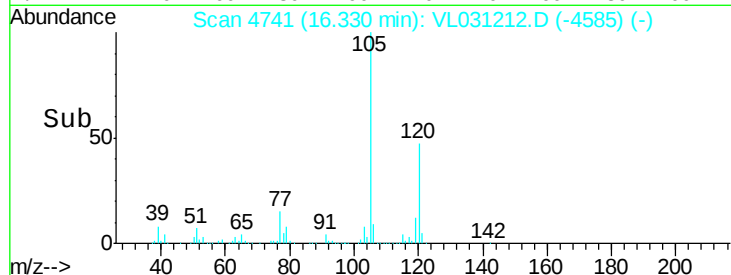
1000000

500000

0

Time-->

16.30 16.40



#74

1,2,4-Trimethylbenzene

Concen: 7.98 ppbv

RT: 17.10 min Scan# 4981

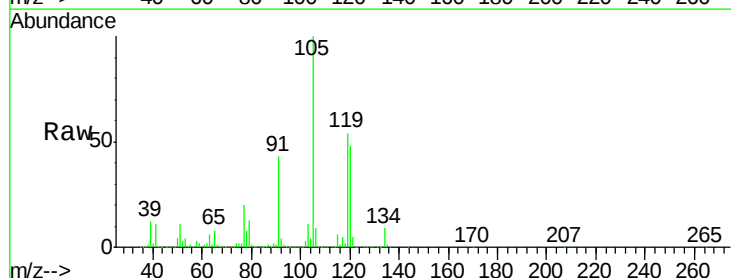
Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tgt Ion:105 Resp: 4446378

Ion	Ratio	Lower	Upper
105	100		
120	48.3	38.6	58.0
91	42.8	34.2	51.4
77	20.1	16.1	24.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

17.10

2500000

2000000

1500000

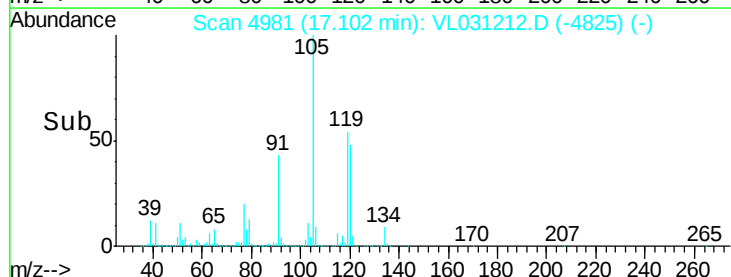
1000000

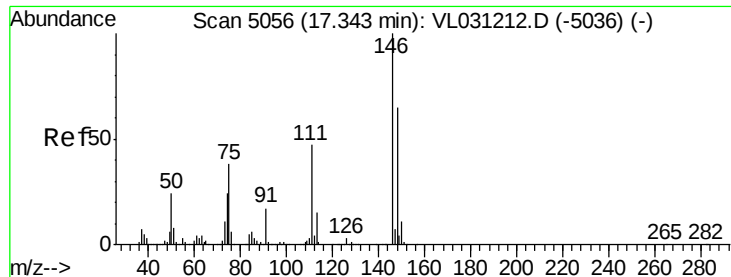
500000

0

Time-->

17.00 17.10 17.20





#75

1,3-Dichlorobenzene

Concen: 8.23 ppbv

RT: 17.34 min Scan# 5056

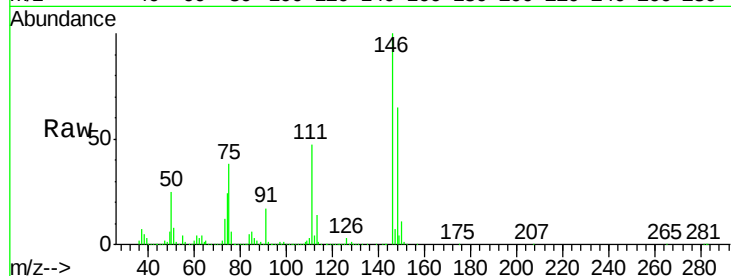
Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tot Ion:146 Resp: 2902719

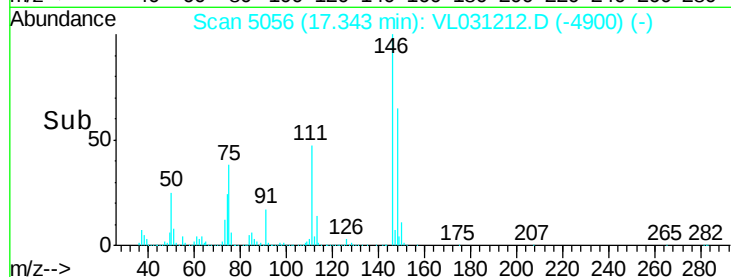
Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.7	68.1
148	64.1	32.0	96.2



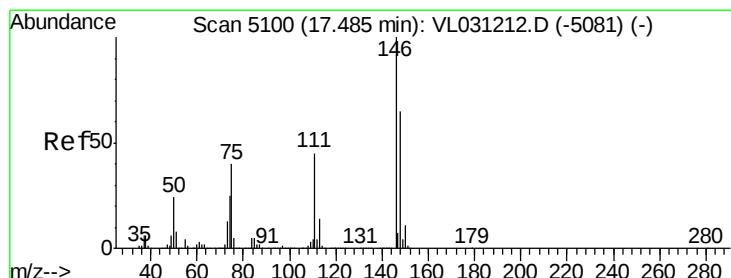
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#76

1,4-Dichlorobenzene

Concen: 8.46 ppbv

RT: 17.48 min Scan# 5100

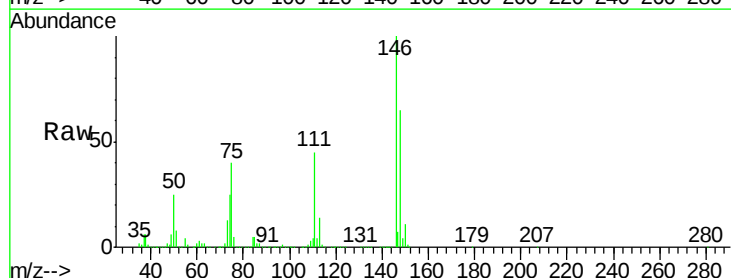
Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Tgt Ion:146 Resp: 2997037

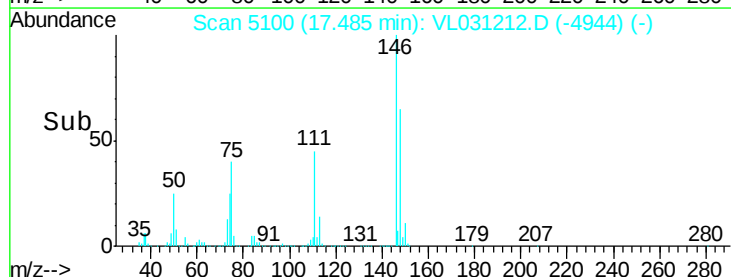
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.1
148	64.2	32.0	96.0



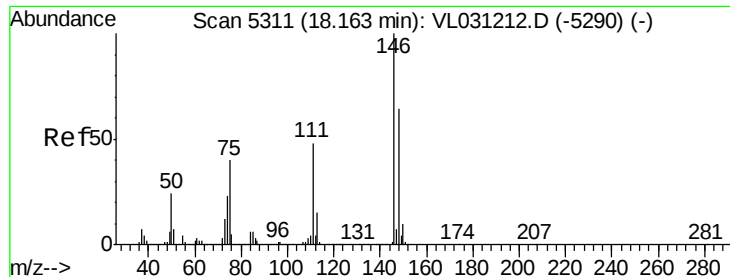
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

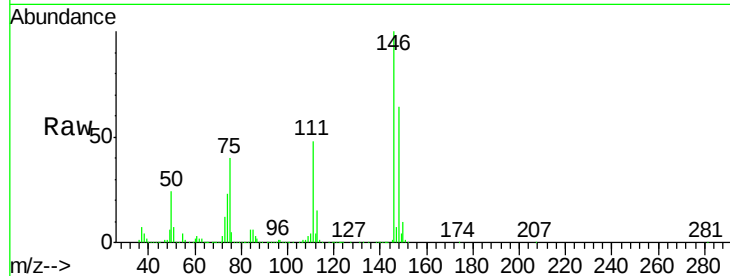


Time-->

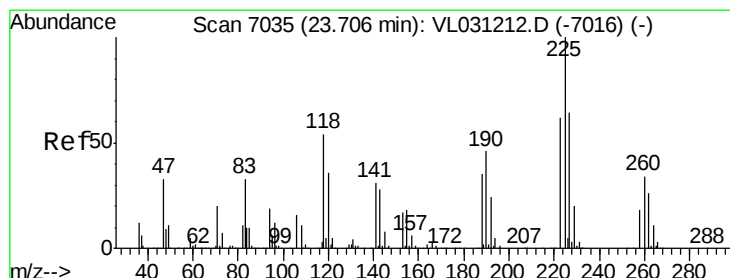
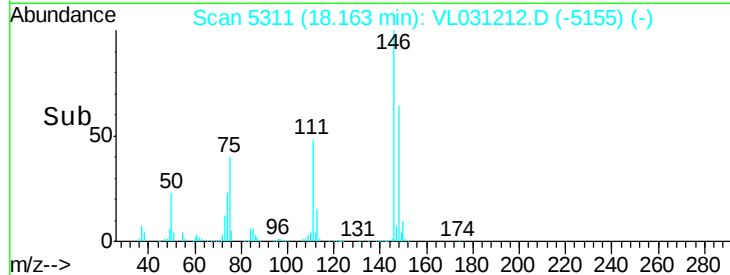
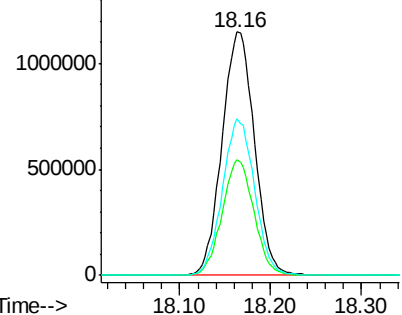


#77
 1,2-Dichlorobenzene
 Concen: 8.15 ppbv
 RT: 18.16 min Scan# 5311
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Tot Ion:146 Resp: 2835725
 Ion Ratio Lower Upper
 146 100
 111 46.5 23.3 69.8
 148 63.7 31.9 95.7

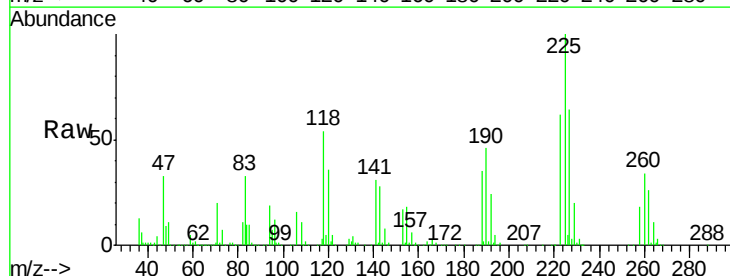


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

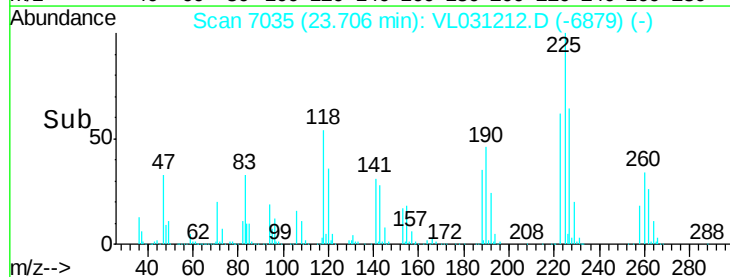
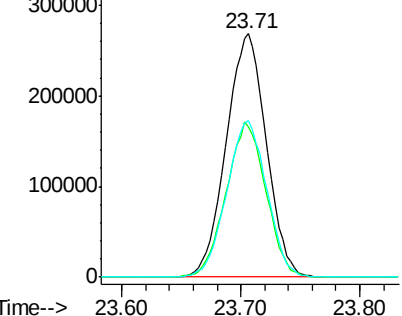


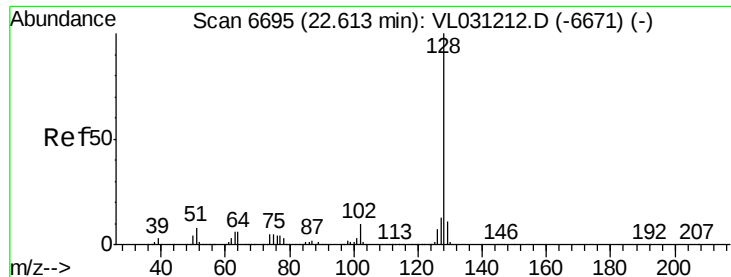
#78
 Hexachloro-1,3-Butadiene
 Concen: 9.42 ppbv
 RT: 23.71 min Scan# 7035
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Tgt Ion:225 Resp: 626740
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.4 75.6
 227 64.1 51.3 76.9



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V

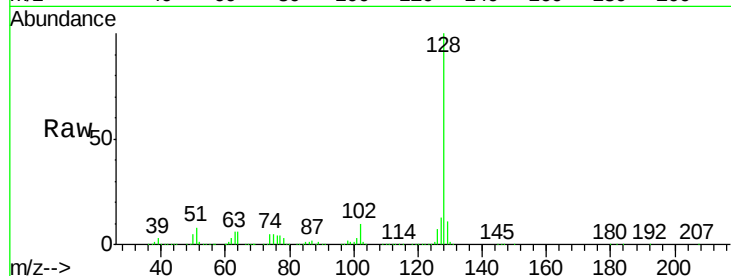




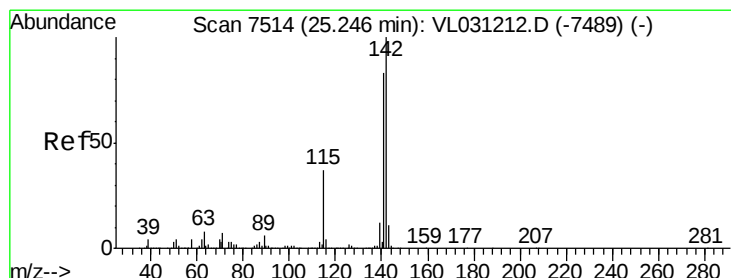
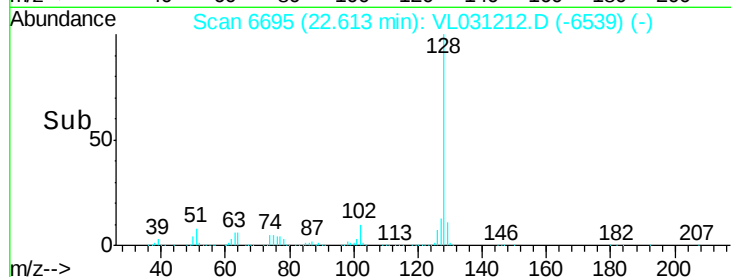
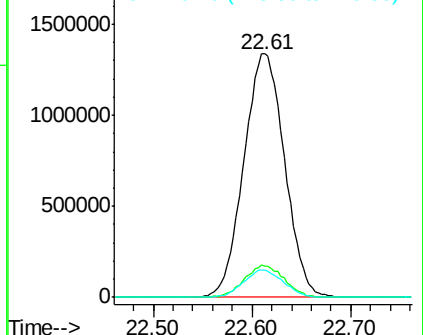
#79
Naphthalene
Concen: 10.09 ppbv
RT: 22.61 min Scan# 6695
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Tot Ion:128 Resp: 3814149

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.1	8.9	13.3



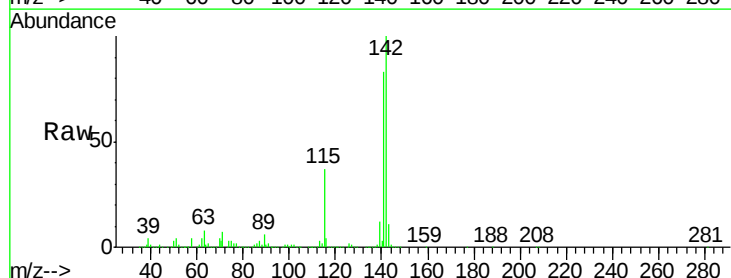
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



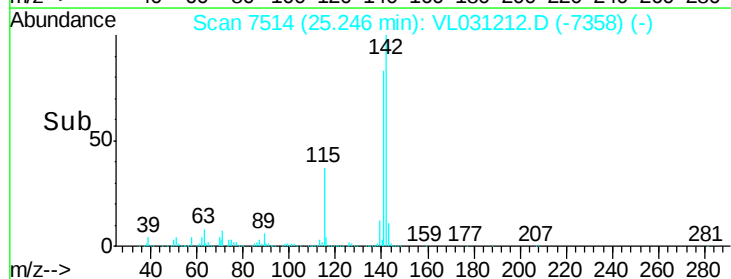
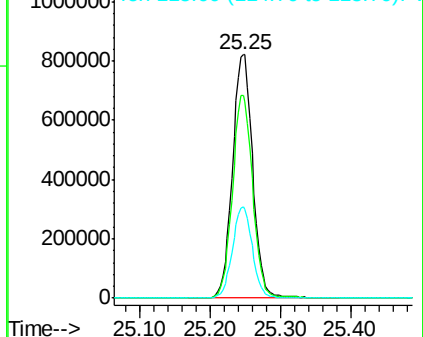
#80
Naphthalene, 2-methyl-
Concen: 14.86 ppbv
RT: 25.25 min Scan# 7514
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

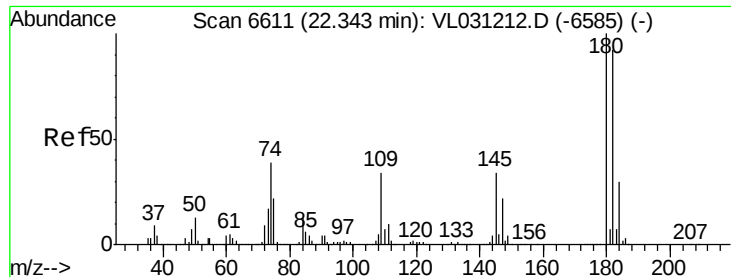
Tgt Ion:142 Resp: 1652904

Ion	Ratio	Lower	Upper
142	100		
141	83.1	66.8	100.2
115	37.1	29.7	44.5



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.29 ppbv
 RT: 22.34 min Scan# 6611
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Tot Ion:	180	Resp:	1751583
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.9	113.9
184	30.2	24.2	36.2

