

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Dec 14 03:41:07 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	4436625	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2612696	7.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	76.20%

Target Compounds

						Qvalue
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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Instrument :
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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

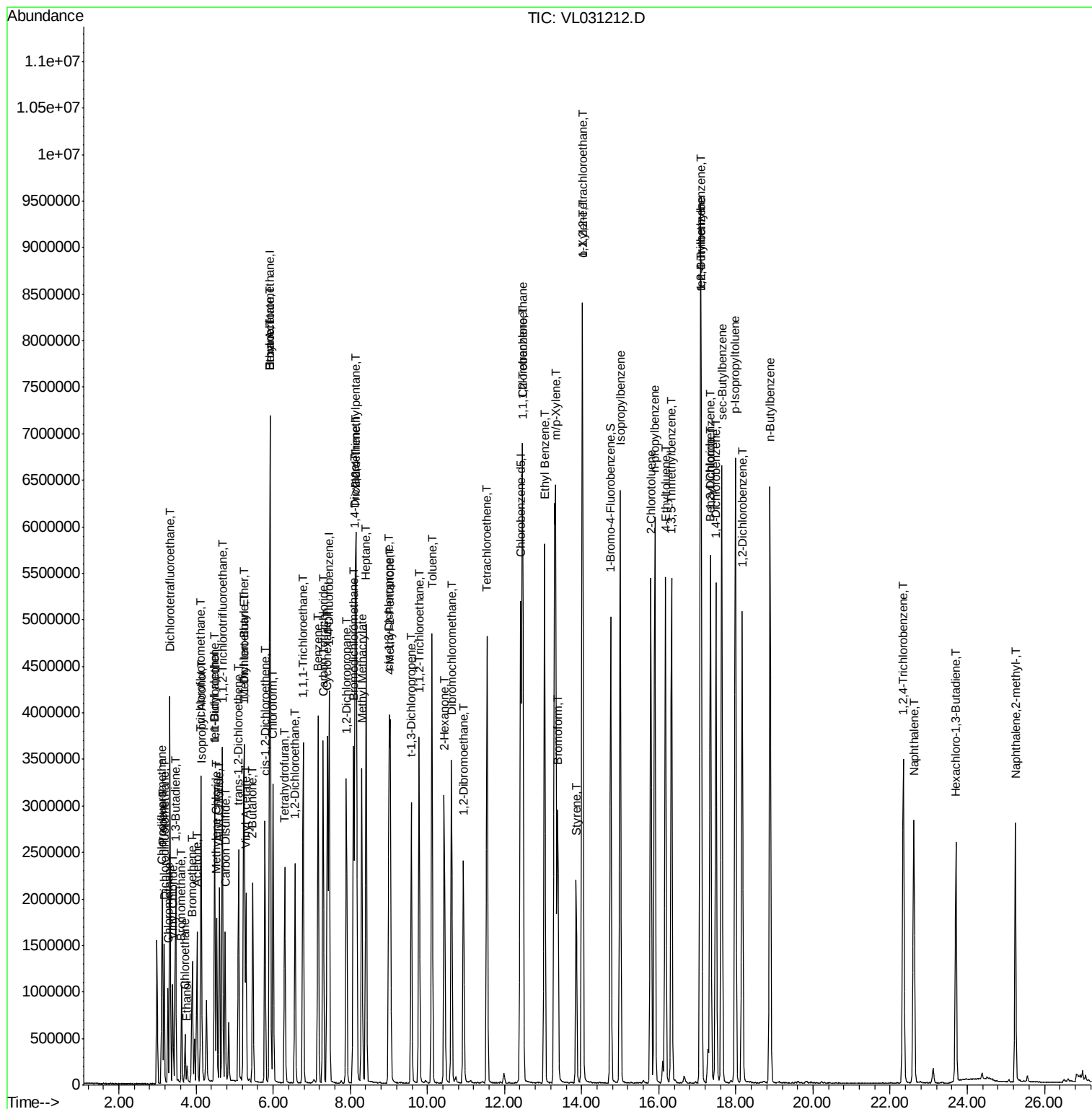
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	5598529	8.94	ppbv	100
45) t-1,3-Dichloropropene	9.58	75	1892518	11.66	ppbv	100
46) cis-1,3-Dichloropropene	9.00	75	2297556	10.69	ppbv	100
47) 1,1,2-Trichloroethane	9.79	97	1418456	9.33	ppbv	100
48) Dibromochloromethane	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	8.55	ppbv #	63
57) Chlorobenzene	12.48	112	3138704	7.24	ppbv	100
58) Ethyl Benzene	13.04	91	5680091	7.47	ppbv	100
59) m/p-Xylene	13.32	91	4742444	7.40	ppbv #	37
60) o-Xylene	14.03	91	4505893	7.07	ppbv	100
61) Styrene	13.86	104	1391820	8.68	ppbv	100
62) Isopropylbenzene	15.00	105	5988174	7.85	ppbv	100
63) 1,1,2,2-Tetrachloroethane	14.01	83	2893392	5.82	ppbv	100
64) n-propylbenzene	15.90	120	1609839	7.71	ppbv	100
65) tert-Butylbenzene	17.08	119	4965954	7.42	ppbv	100
66) Benzyl Chloride	17.33	91	694610	12.11	ppbv	100
67) sec-Butylbenzene	17.63	105	7045090	6.95	ppbv	100
69) p-Isopropyltoluene	17.99	119	5842784	7.47	ppbv	100
70) n-Butylbenzene	18.89	91	5691372	6.60	ppbv	100
71) 2-Chlorotoluene	15.79	91	4461727	7.25	ppbv	100
72) 4-Ethyltoluene	16.17	105	5035165	7.81	ppbv	100
73) 1,3,5-Trimethylbenzene	16.33	105	4439320	7.46	ppbv	100
74) 1,2,4-Trimethylbenzene	17.10	105	4446378	6.78	ppbv	100
75) 1,3-Dichlorobenzene	17.34	146	2902719	7.00	ppbv	100
76) 1,4-Dichlorobenzene	17.48	146	2997037	7.19	ppbv	100
77) 1,2-Dichlorobenzene	18.16	146	2835725	6.93	ppbv	100
78) Hexachloro-1,3-Butadiene	23.71	225	626740	8.01	ppbv	100
79) Naphthalene	22.61	128	3814149	8.58	ppbv	100
80) Naphthalene,2-methyl-	25.25	142	1652904	12.64	ppbv	100
81) 1,2,4-Trichlorobenzene	22.34	180	1751583	7.90	ppbv	100

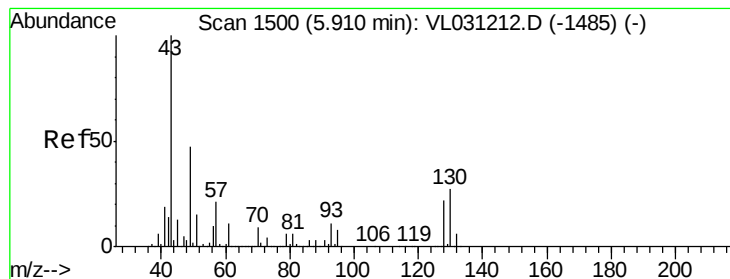
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

VSTDICCC010

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

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Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

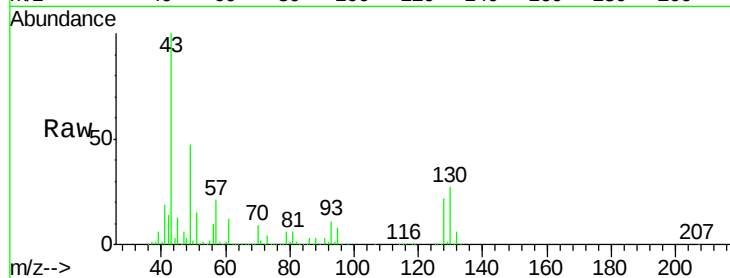
Tgt Ion: 49 Resp: 1387553

Ion Ratio Lower Upper

49 100

128 46.3 23.2 69.5

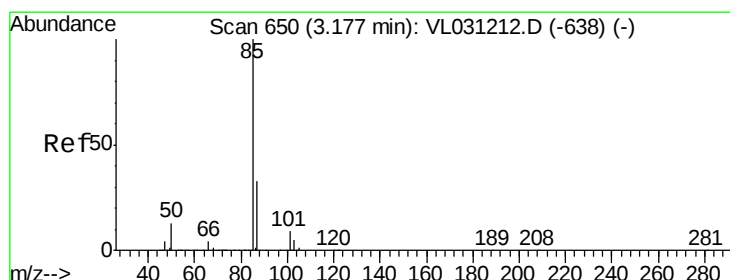
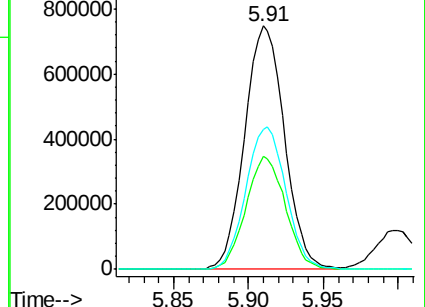
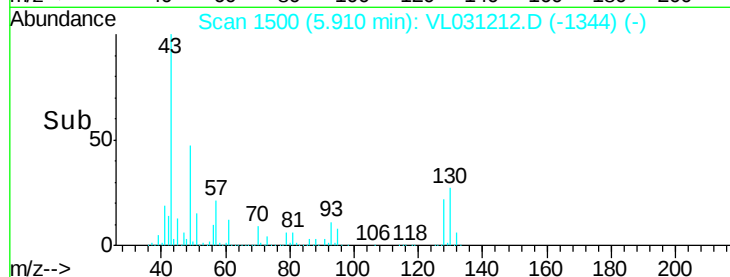
130 59.2 29.6 88.8



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



#2

Dichlorodifluoromethane

Concen: 7.79 ppbv

RT: 3.18 min Scan# 650

Delta R.T. 0.00 min

Lab File: VL031212.D

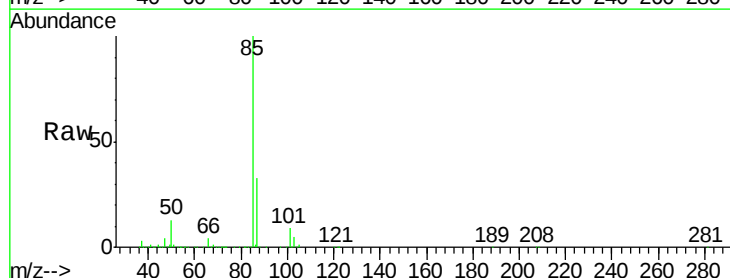
Acq: 13 Dec 2017 22:26

Tgt Ion: 85 Resp: 1103754

Ion Ratio Lower Upper

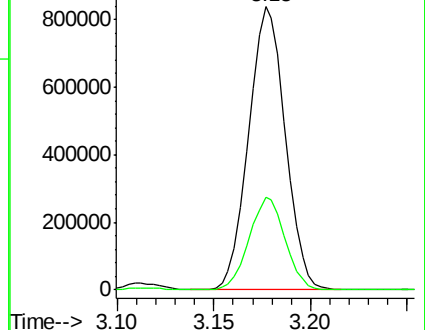
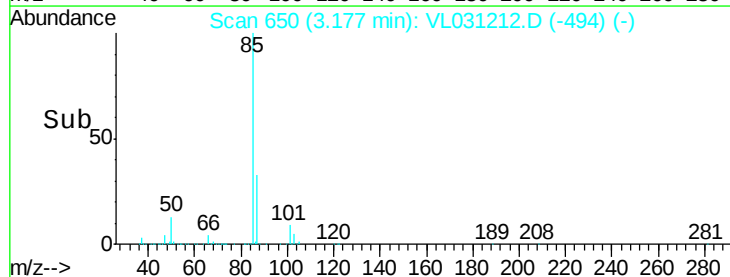
85 100

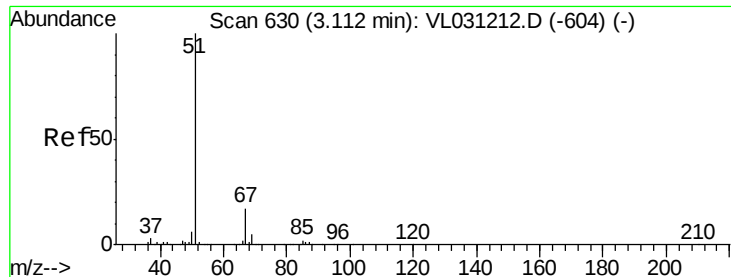
87 32.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#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

Instrument :

MSVOA_L

ClientSampleId :

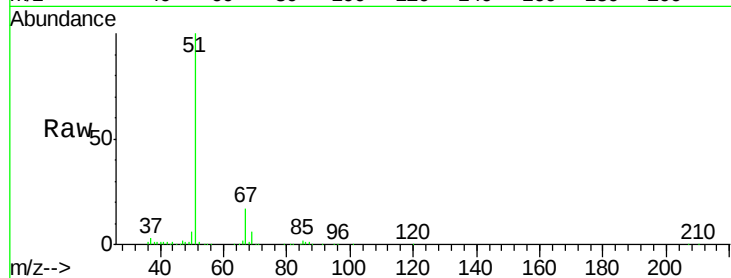
VSTDICCC010

Tgt Ion: 51 Resp: 1710276

Ion Ratio Lower Upper

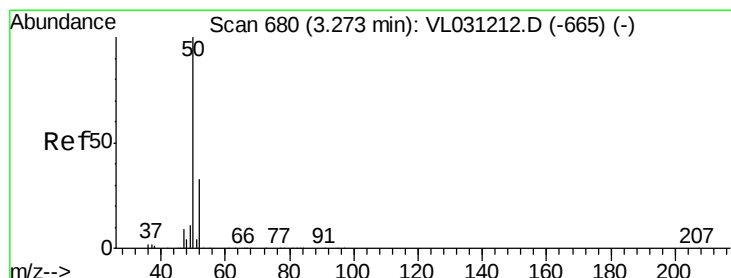
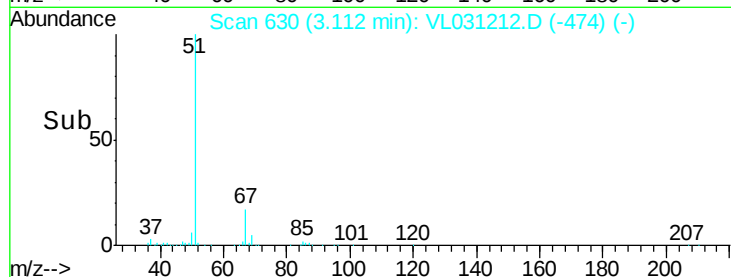
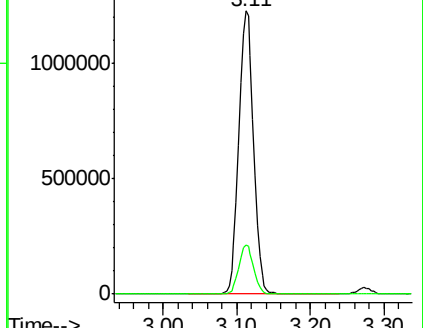
51 100

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

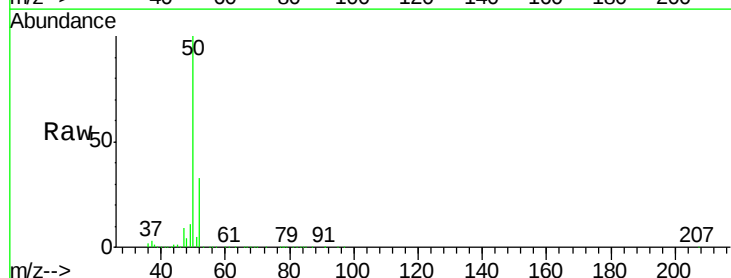
Acq: 13 Dec 2017 22:26

Tgt Ion: 50 Resp: 923183

Ion Ratio Lower Upper

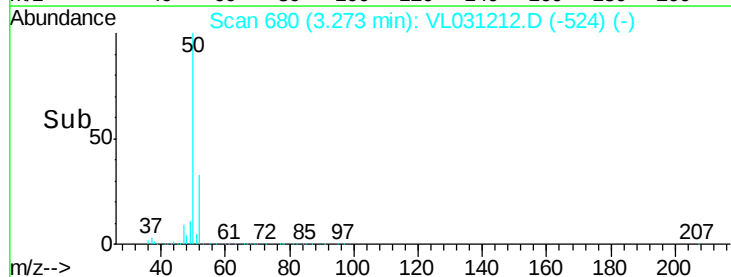
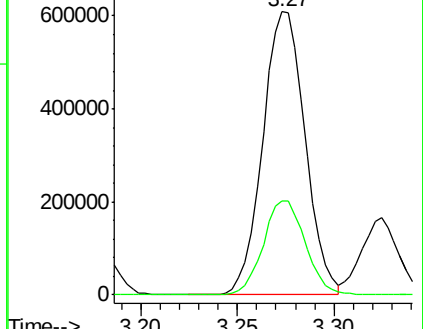
50 100

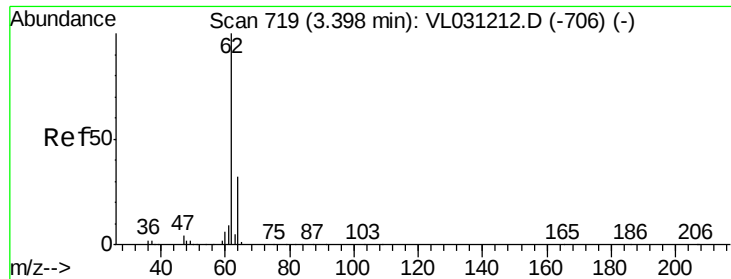
52 33.1 26.5 39.7



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

Instrument :

MSVOA_L

ClientSampleId :

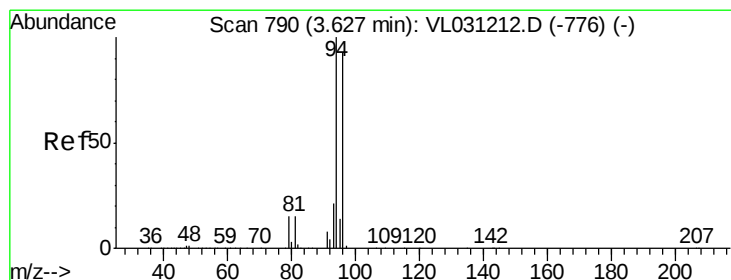
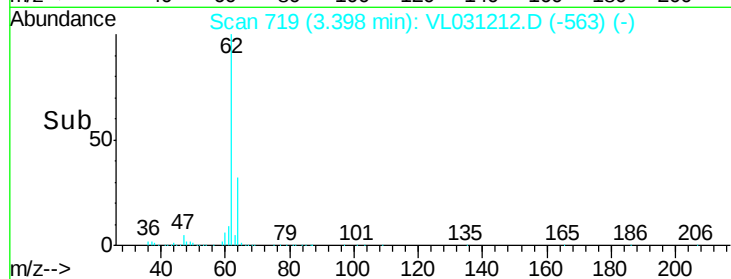
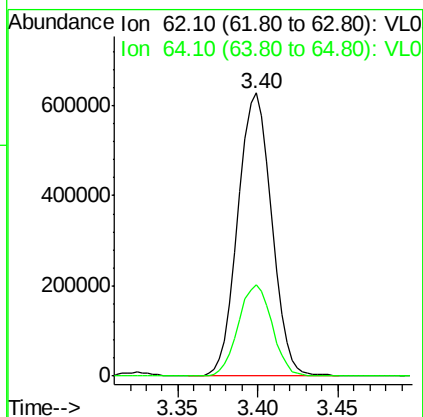
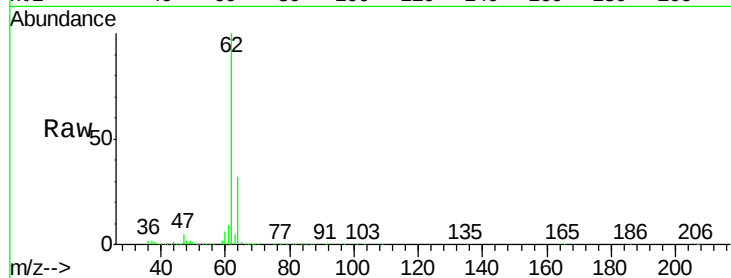
VSTDICCC010

Tgt Ion: 62 Resp: 902724

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9



#6

Bromomethane

Concen: 11.80 ppbv

RT: 3.63 min Scan# 790

Delta R.T. 0.00 min

Lab File: VL031212.D

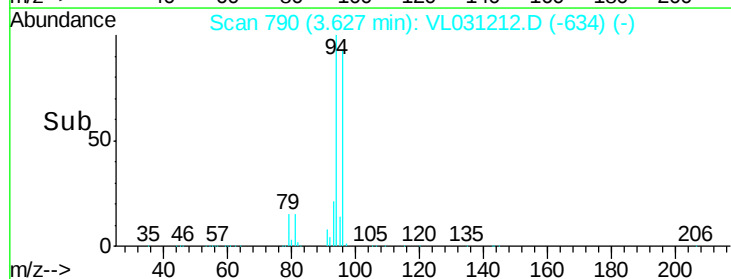
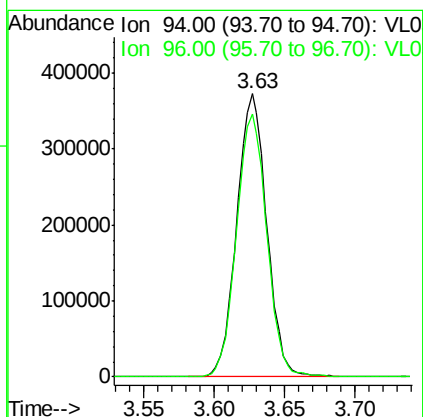
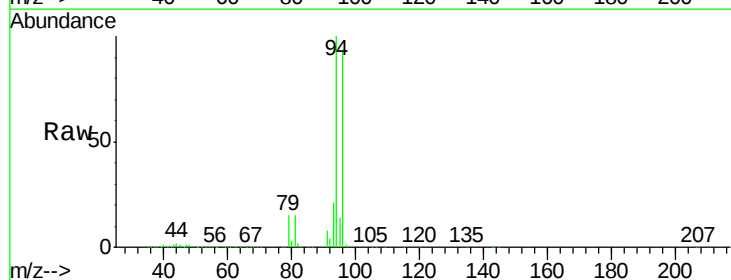
Acq: 13 Dec 2017 22:26

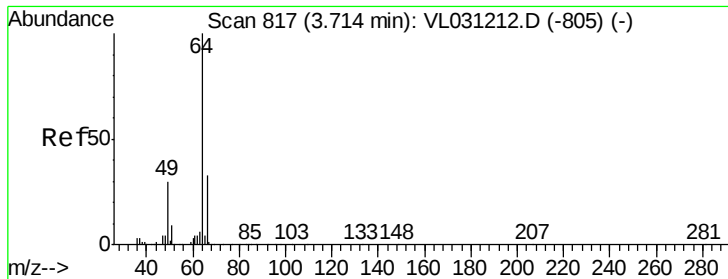
Tgt Ion: 94 Resp: 555914

Ion Ratio Lower Upper

94 100

96 93.0 74.4 111.6





#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

Instrument :

MSVOA_L

ClientSampleId :

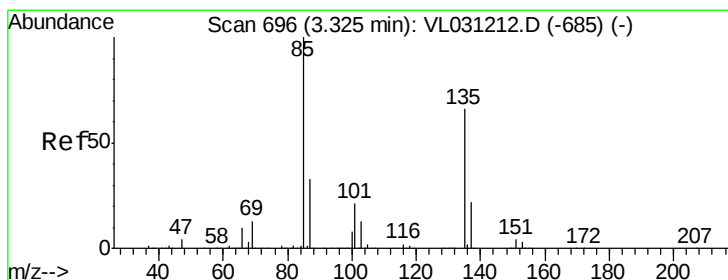
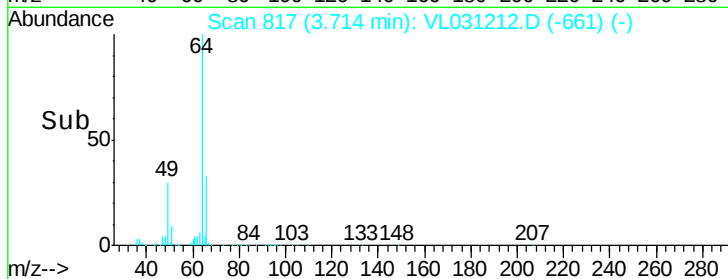
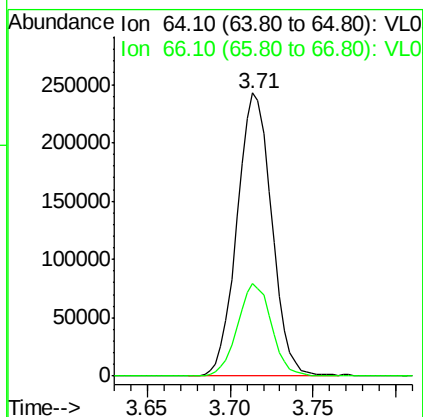
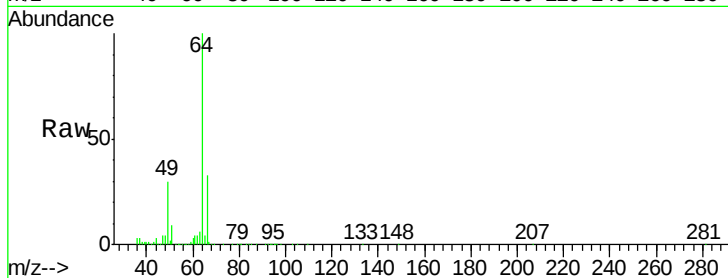
VSTDICCC010

Tgt 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

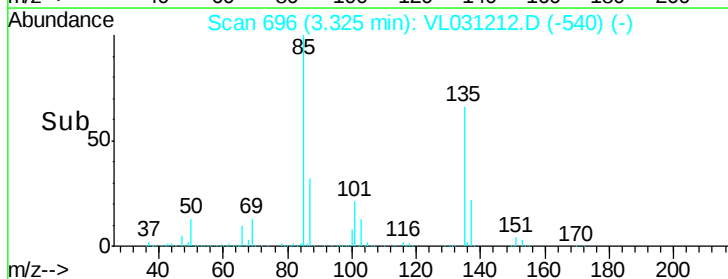
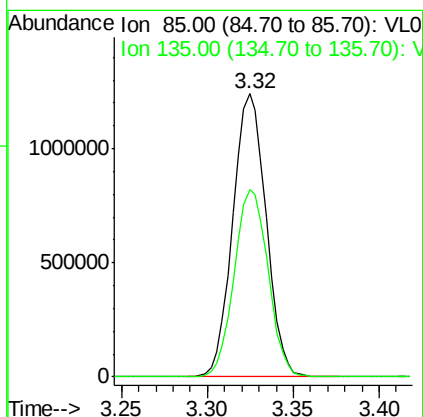
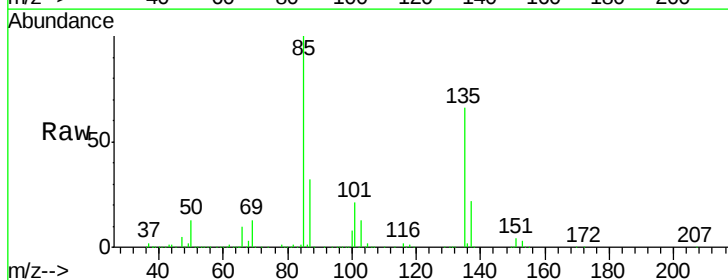
Acq: 13 Dec 2017 22:26

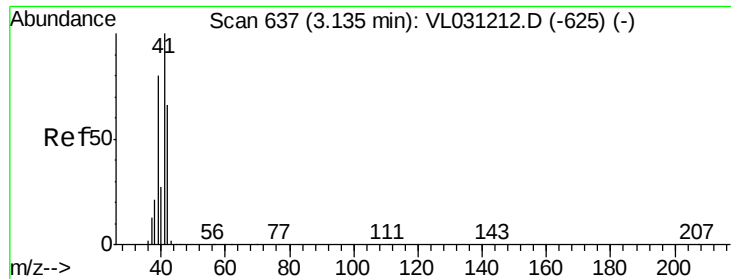
Tgt Ion: 85 Resp: 1677015

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

Instrument :

MSVOA_L

ClientSampleId :

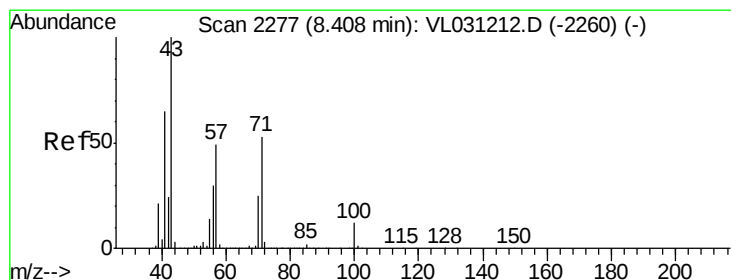
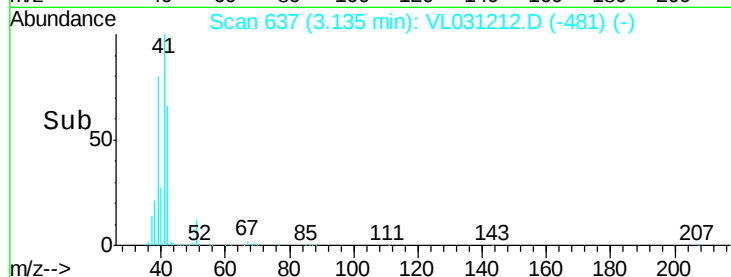
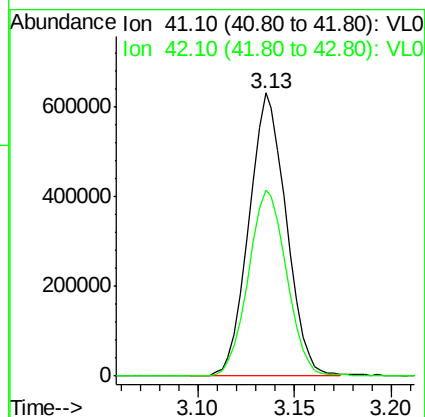
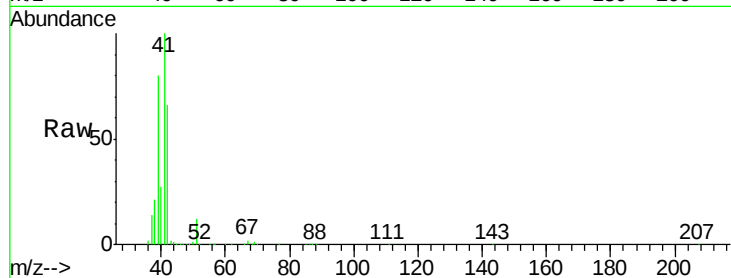
VSTDICCC010

Tgt Ion: 41 Resp: 845543

Ion Ratio Lower Upper

41 100

42 67.7 54.3 81.5



#10

Heptane

Concen: 10.28 ppbv

RT: 8.41 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VL031212.D

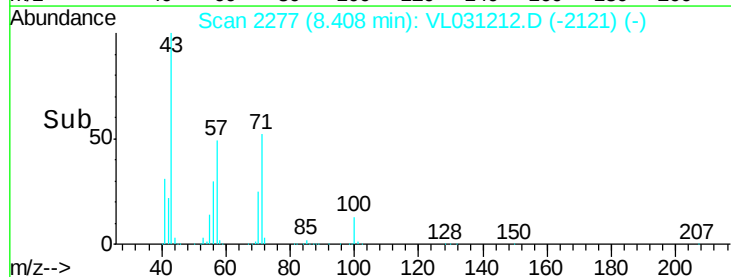
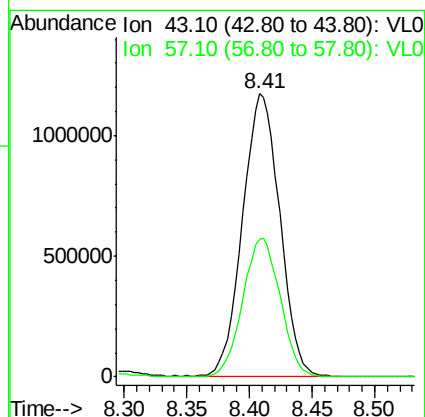
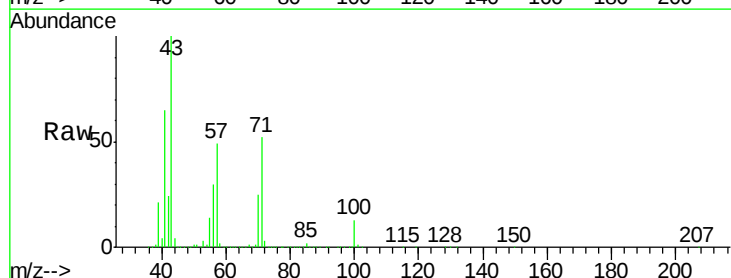
Acq: 13 Dec 2017 22:26

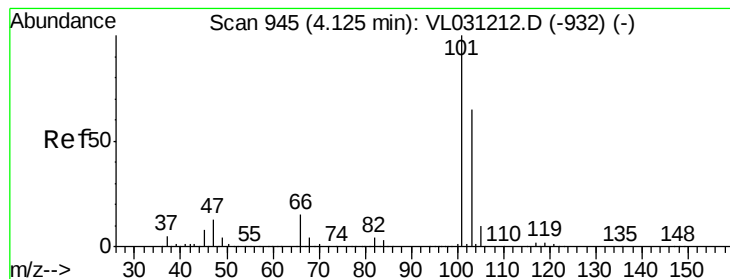
Tgt Ion: 43 Resp: 2405780

Ion Ratio Lower Upper

43 100

57 49.5 39.8 59.8





#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

Instrument :

MSVOA_L

ClientSampleId :

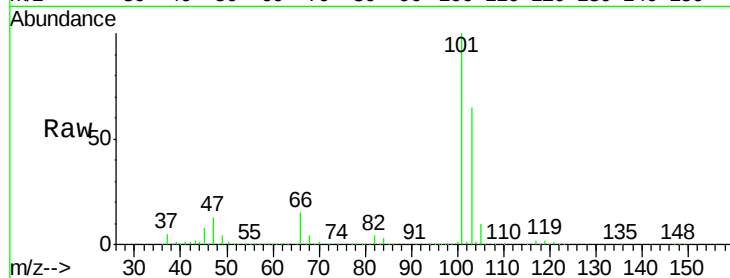
VSTDICCC010

Tgt Ion:101 Resp: 2036506

Ion Ratio Lower Upper

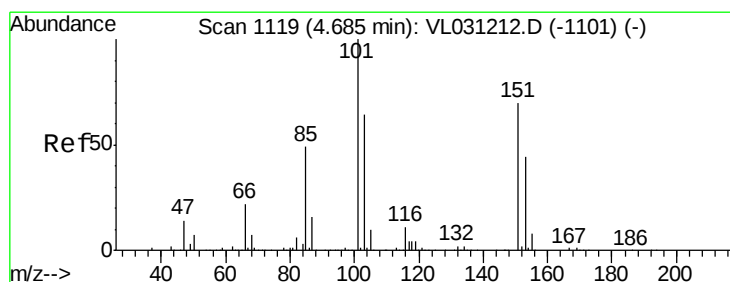
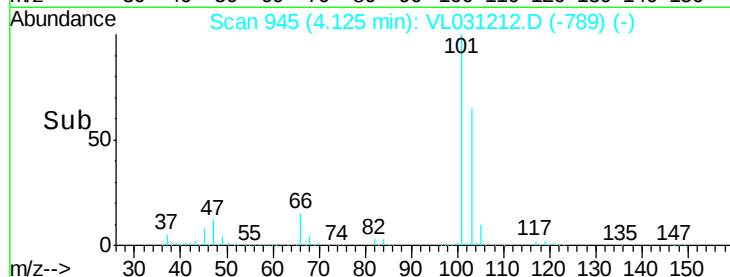
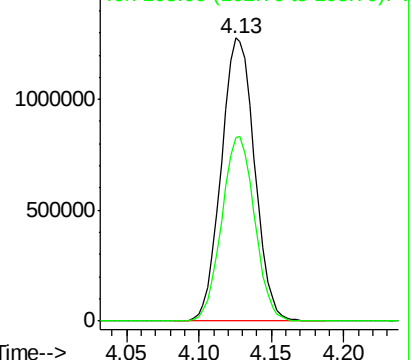
101 100

103 64.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#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

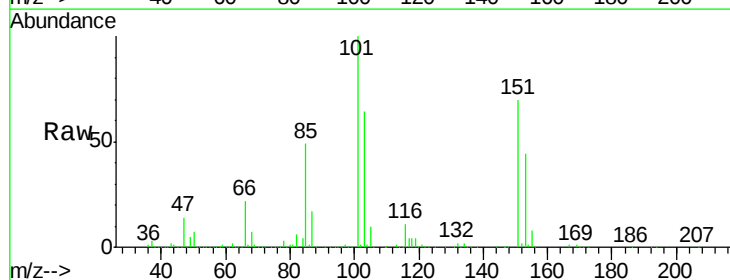
Acq: 13 Dec 2017 22:26

Tgt Ion:101 Resp: 1334835

Ion Ratio Lower Upper

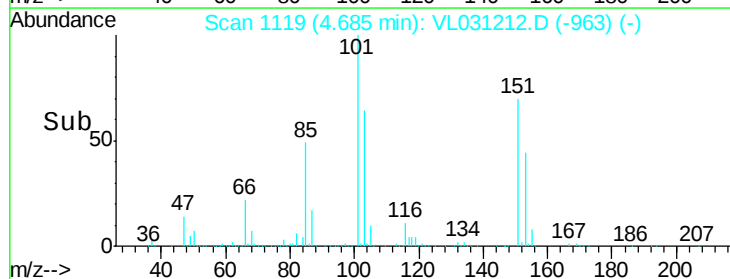
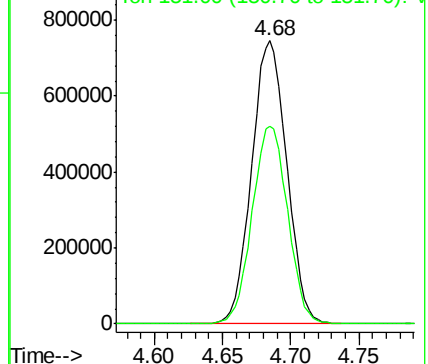
101 100

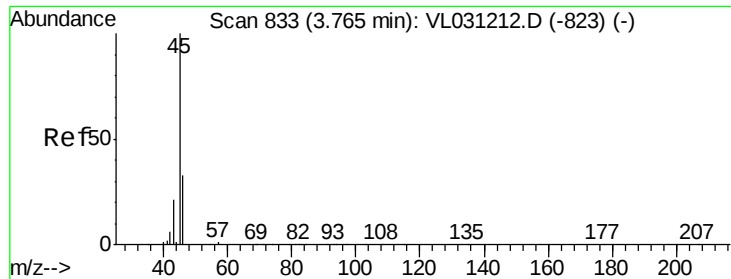
151 70.6 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#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

Instrument :

MSVOA_L

ClientSampleId :

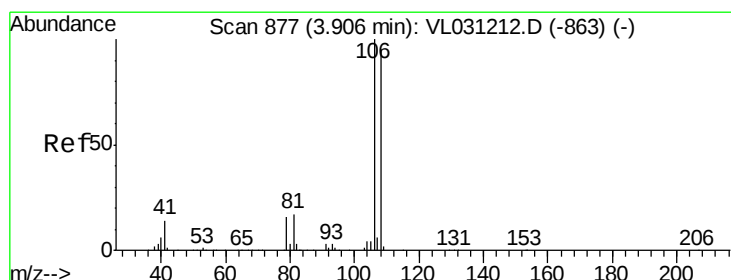
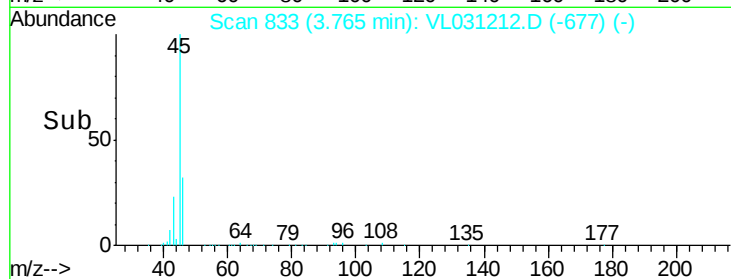
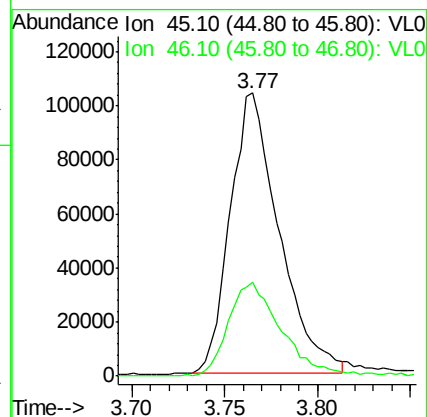
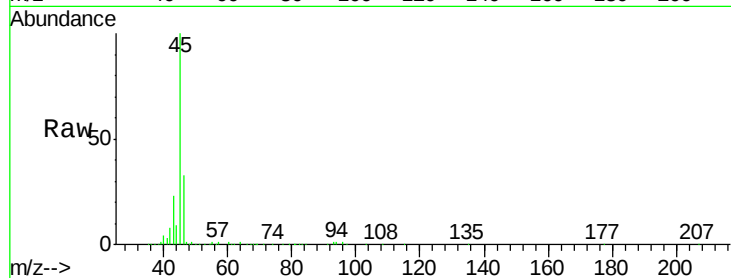
VSTDICCC010

Tgt 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

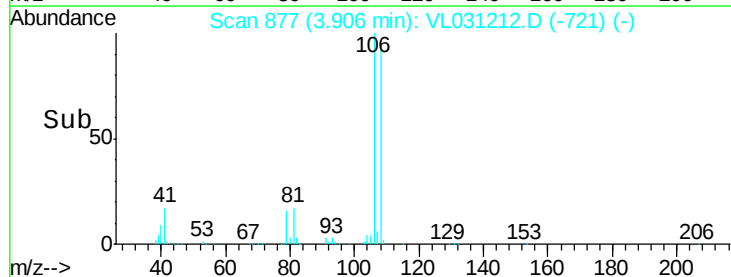
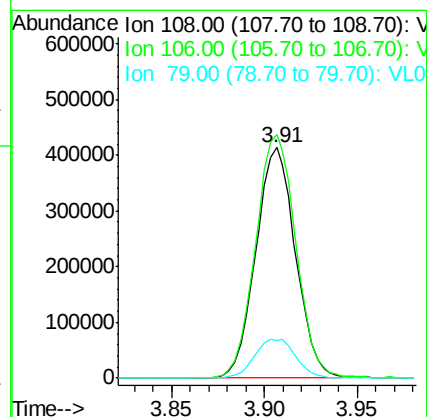
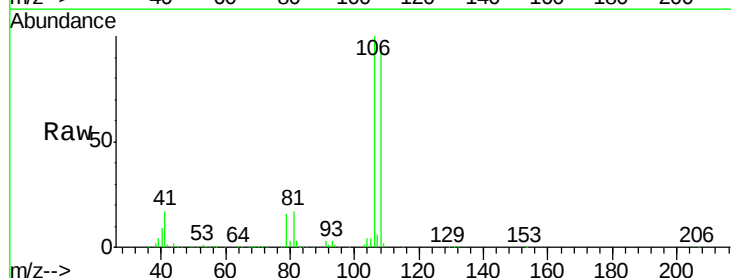
Tgt Ion: 108 Resp: 618070

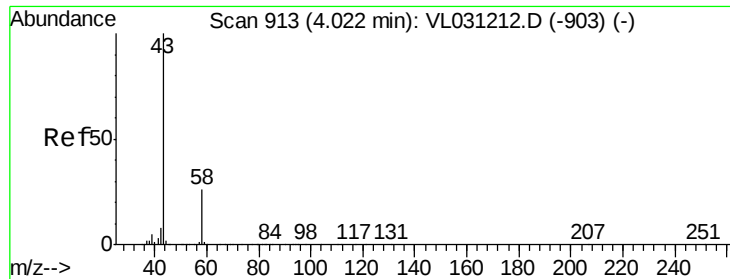
Ion Ratio Lower Upper

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

Instrument :

MSVOA_L

ClientSampleId :

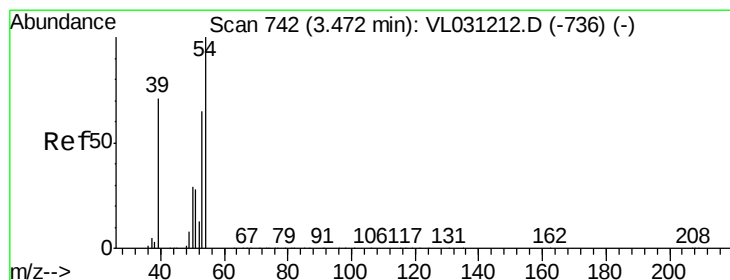
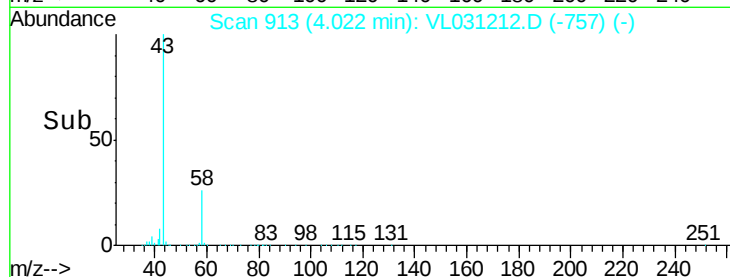
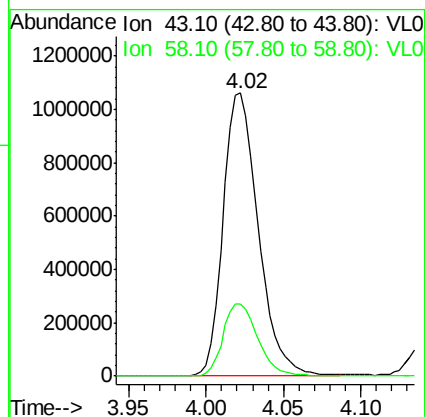
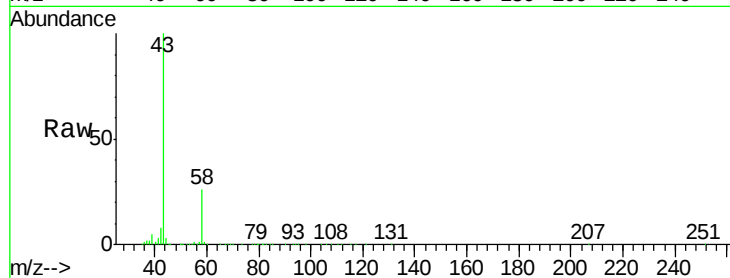
VSTDICCC010

Tgt 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

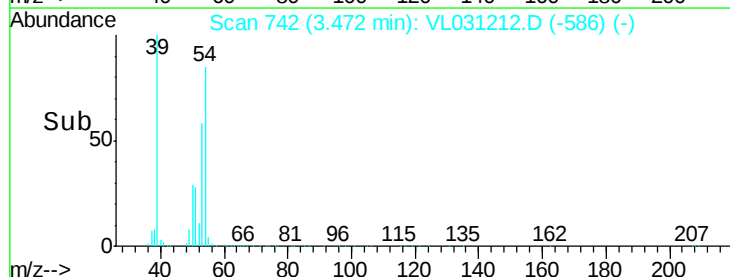
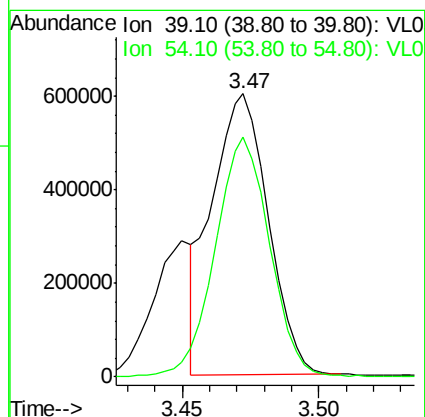
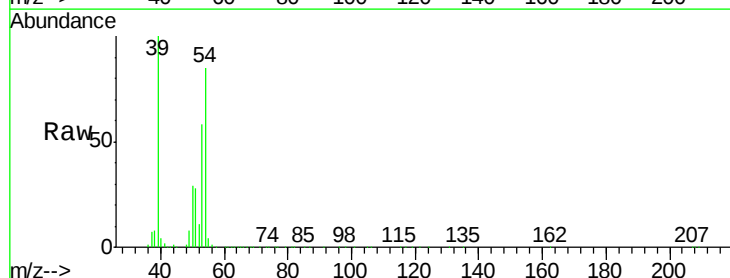
Acq: 13 Dec 2017 22:26

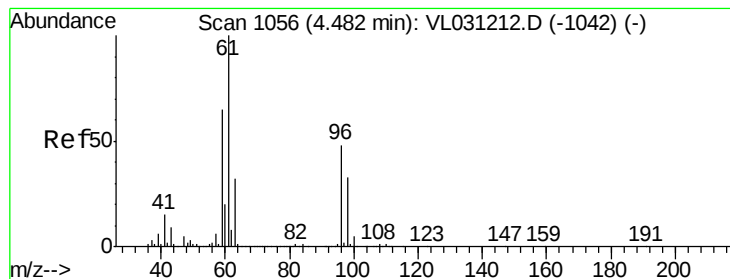
Tgt Ion: 39 Resp: 862651

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

Instrument :

MSVOA_L

ClientSampleId :

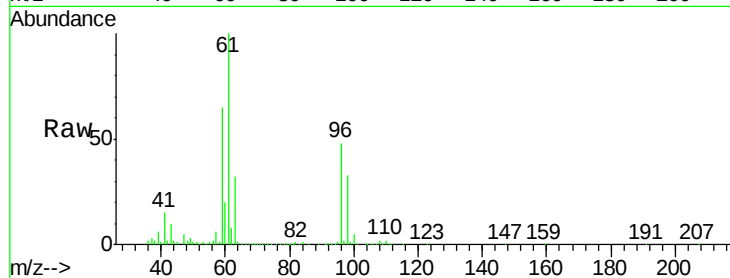
VSTDICCC010

Tgt Ion: 59 Resp: 1118589

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.48

600000

500000

400000

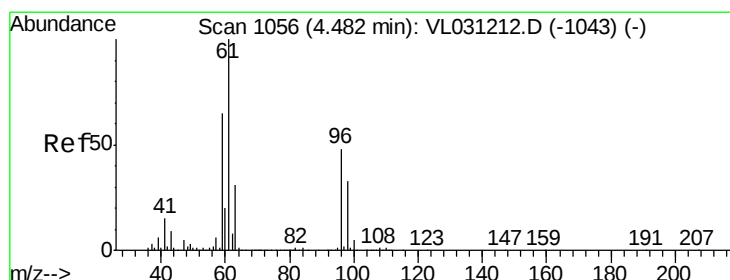
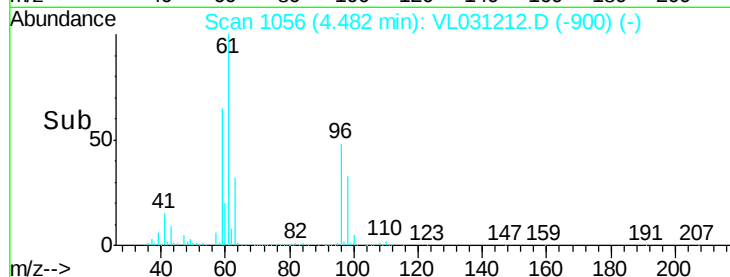
300000

200000

100000

0

Time-->



#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

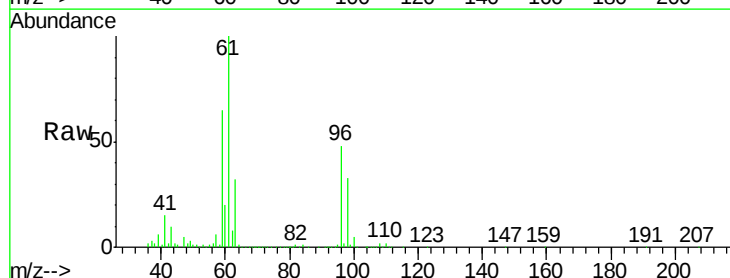
Tgt Ion: 96 Resp: 634051

Ion Ratio Lower Upper

96 100

61 208.5 166.8 250.2

98 68.8 55.0 82.6



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

4.48

1000000

800000

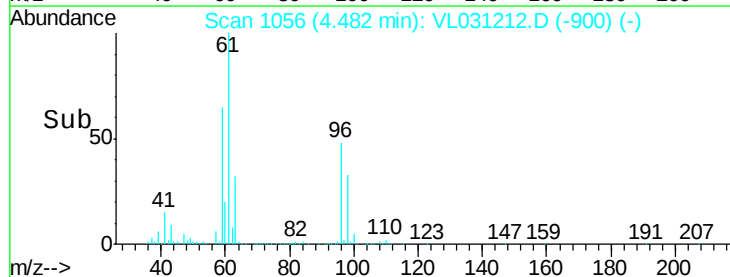
600000

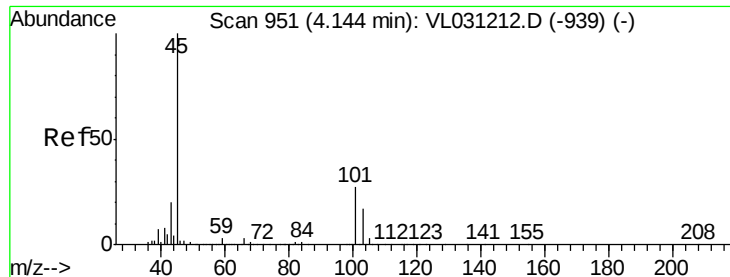
400000

200000

0

Time-->



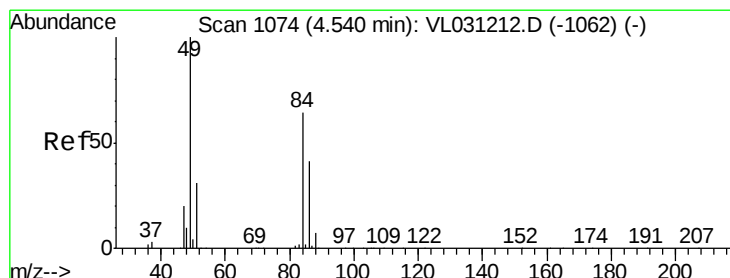
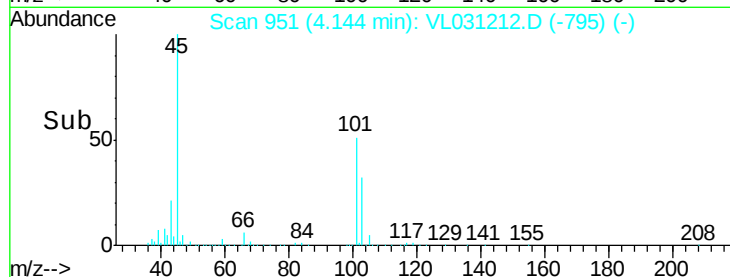
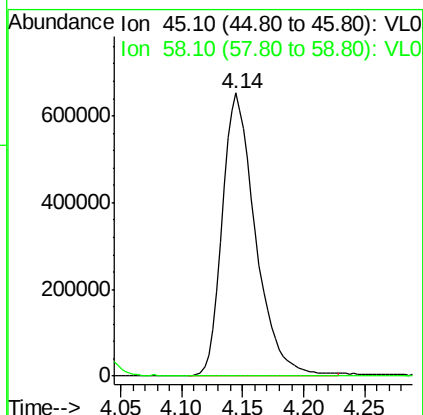
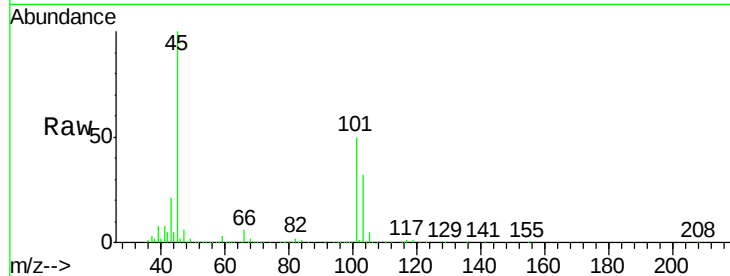


#19

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

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

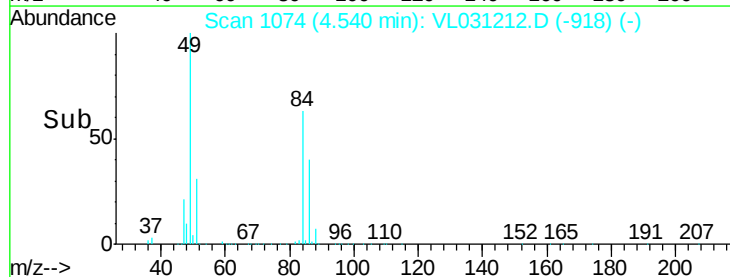
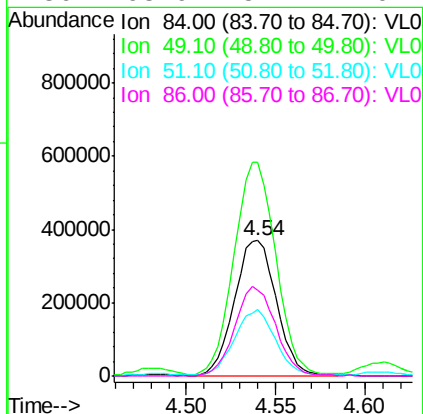
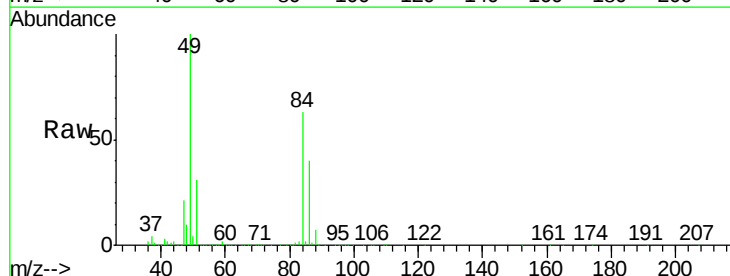
Tgt Ion: 45 Resp: 1240607
 Ion Ratio Lower Upper
 45 100
 58 34.1 27.2 40.8

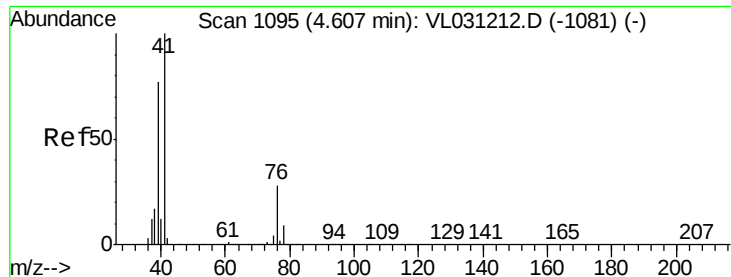


#20

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

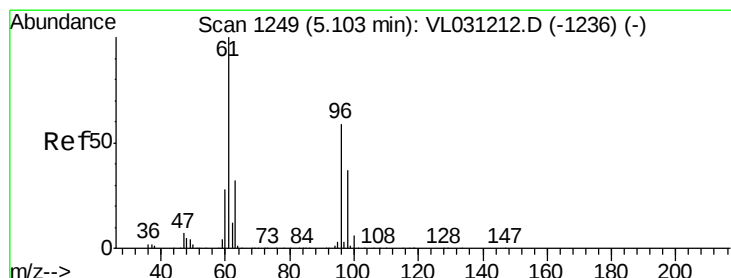
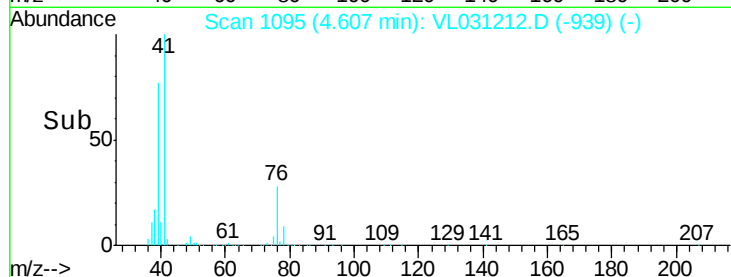
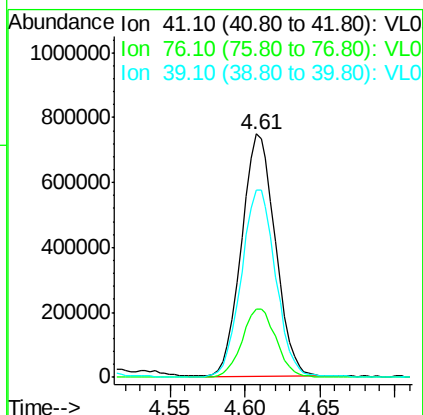
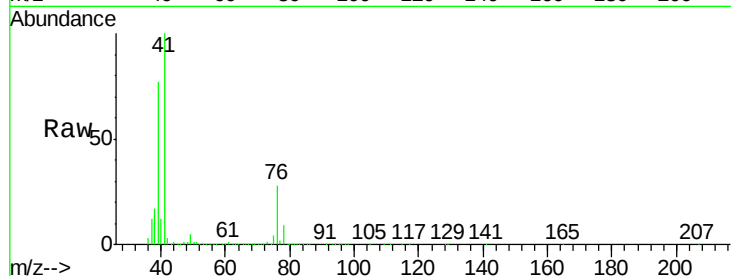




#21
 Allyl Chloride
 Concen: 16.91 ppbv
 RT: 4.61 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

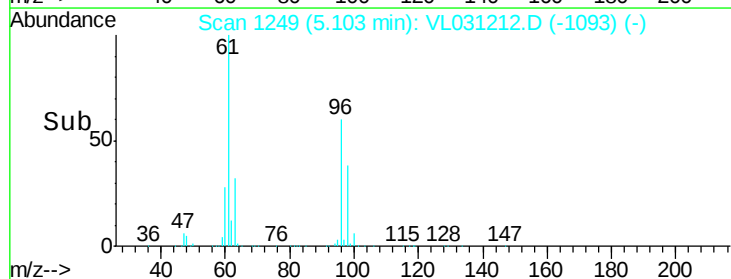
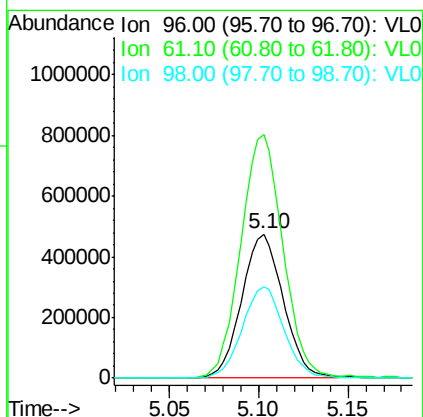
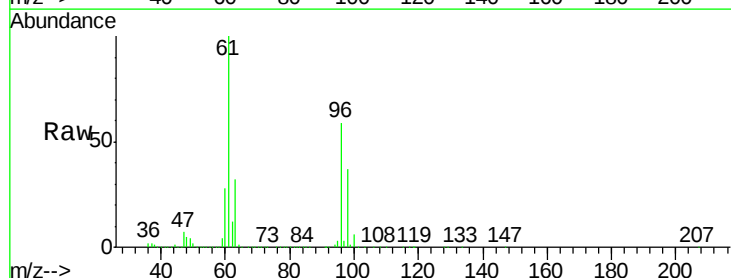
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

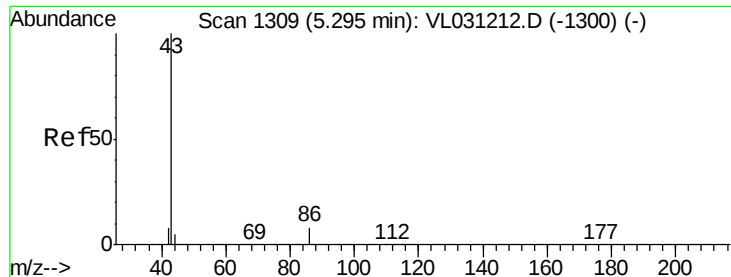
Tgt Ion: 41 Resp: 1174508
 Ion Ratio Lower Upper
 41 100
 76 28.6 22.9 34.3
 39 78.2 62.6 93.8



#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

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2798661

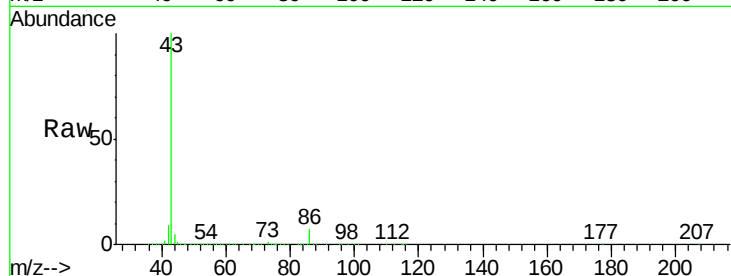
Ion Ratio Lower Upper

43 100

86 7.4 5.9 8.9

42 9.1 7.3 10.9

44 4.6 3.7 5.5

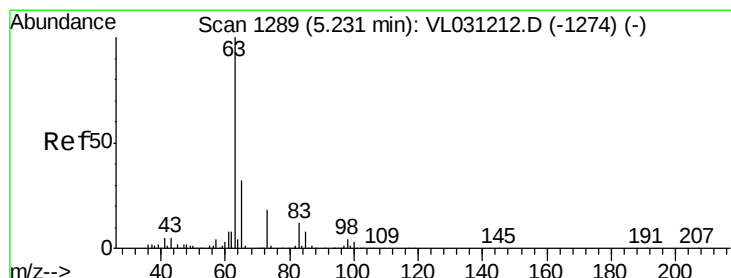
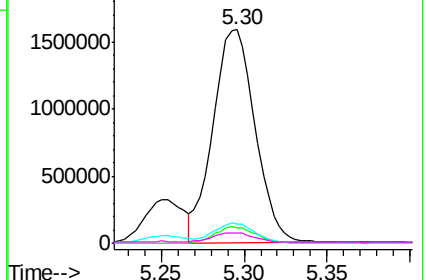
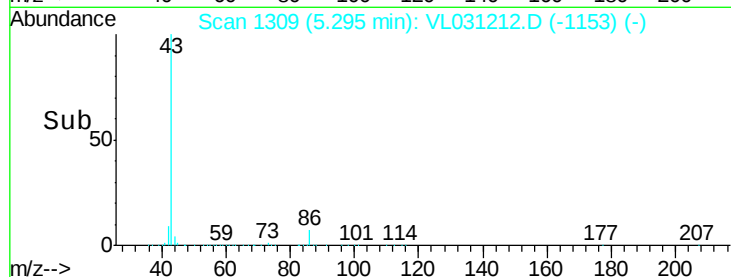


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#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

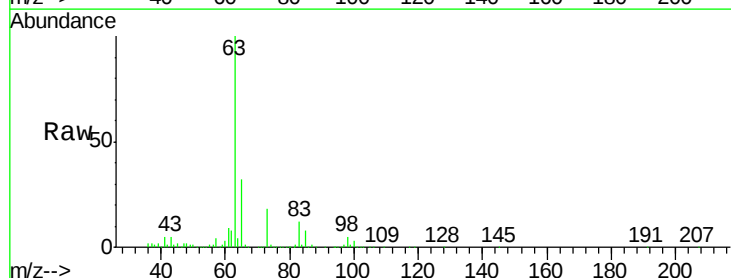
Tgt Ion: 63 Resp: 2154595

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

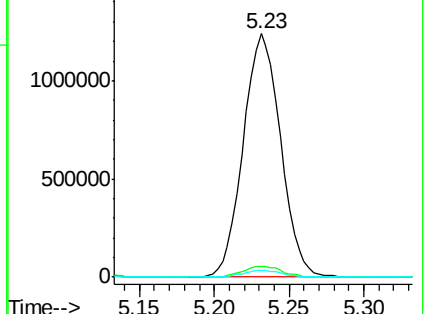
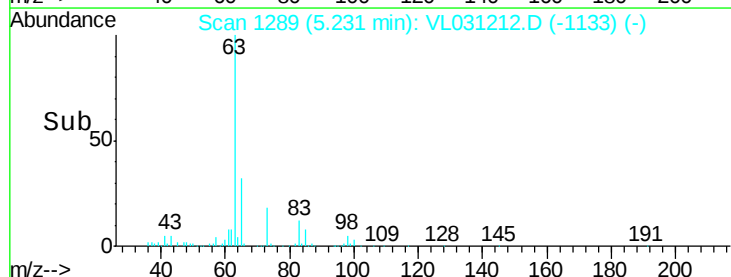
100 2.8 1.4 4.2

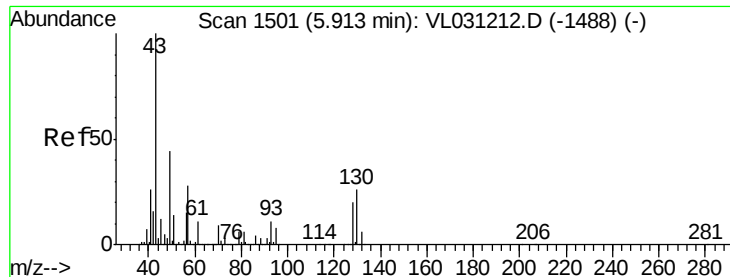


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



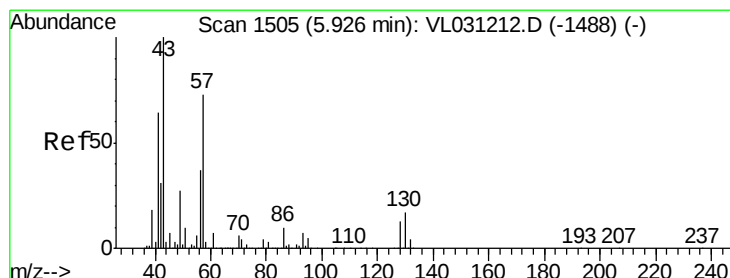
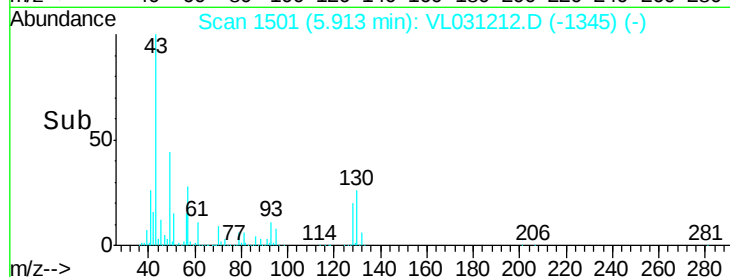
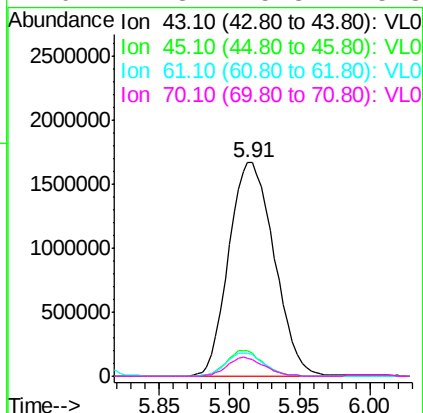
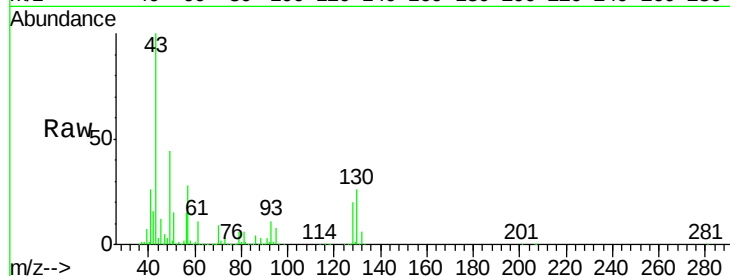


#25
Ethyl Acetate
Concen: 10.84 ppbv
RT: 5.91 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 3754775

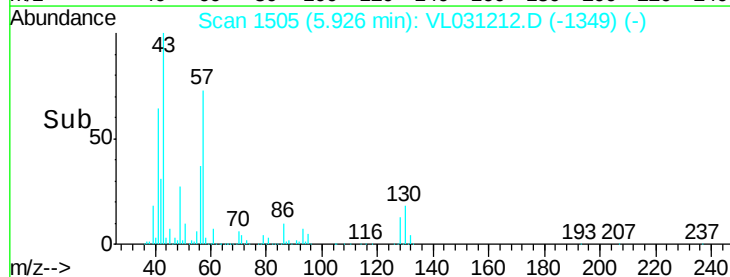
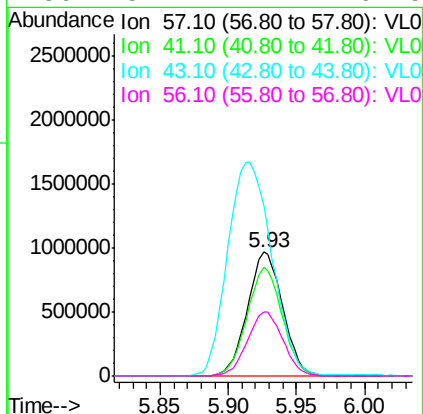
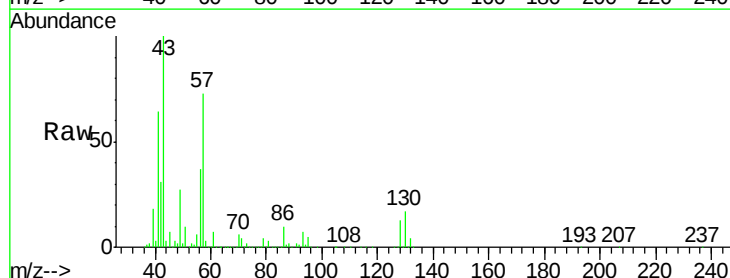
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.2	7.4	11.0
70	7.3	5.8	8.8

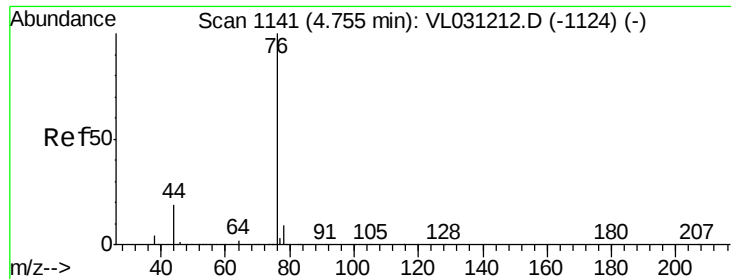


#26
Hexane
Concen: 10.33 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

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

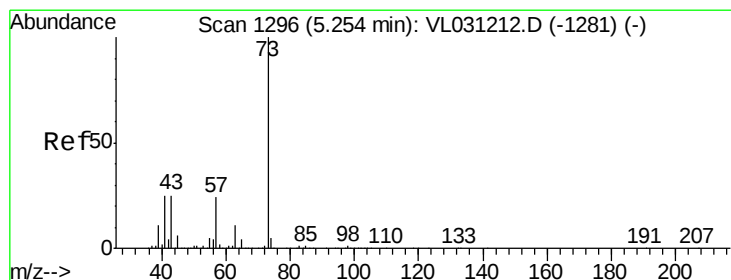
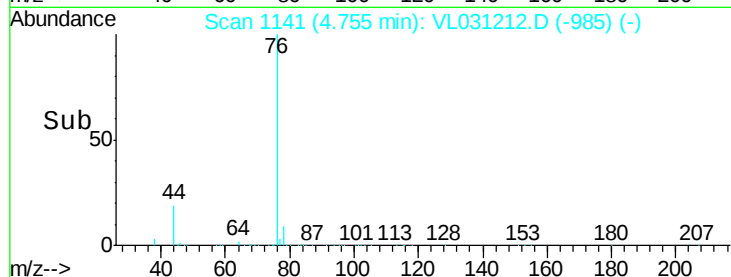
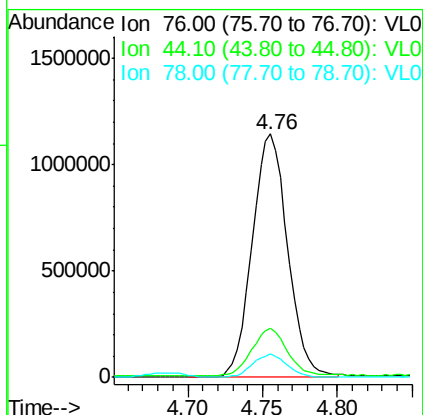
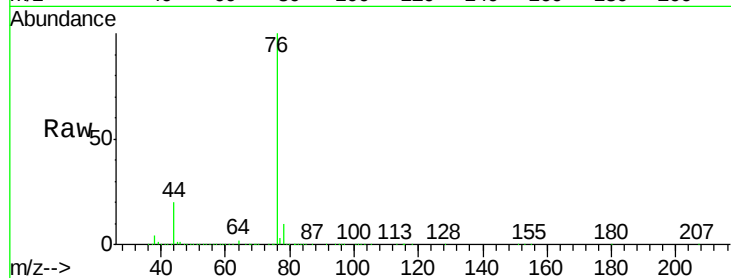




#27
Carbon Disulfide
Concen: 15.94 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

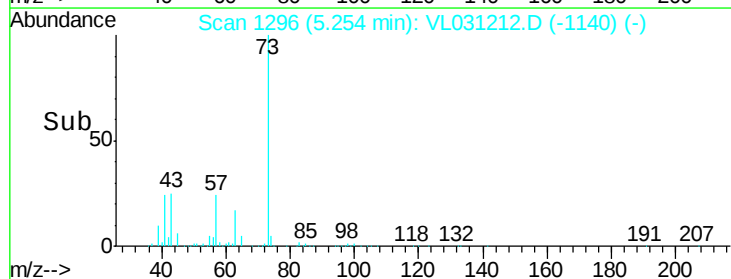
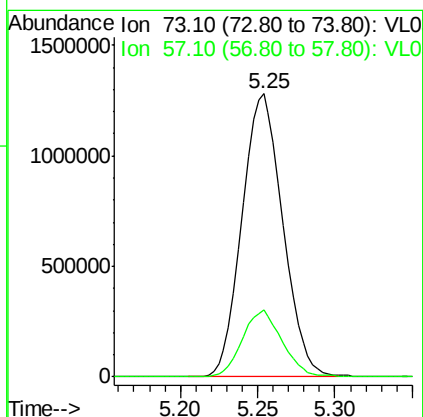
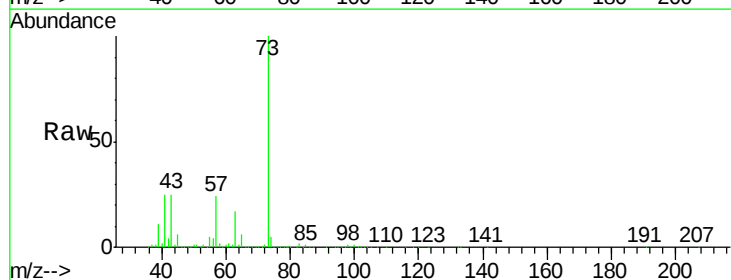
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

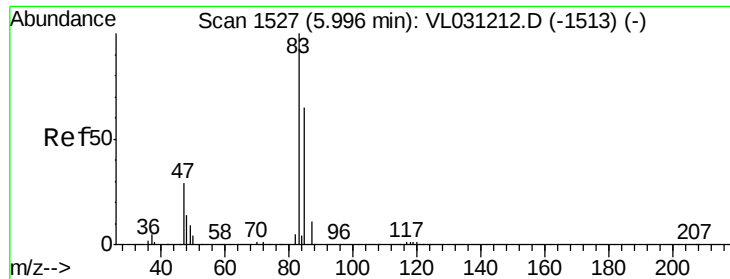
Tgt Ion: 76 Resp: 1885166
Ion Ratio Lower Upper
76 100
44 20.0 16.0 24.0
78 9.4 7.5 11.3



#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

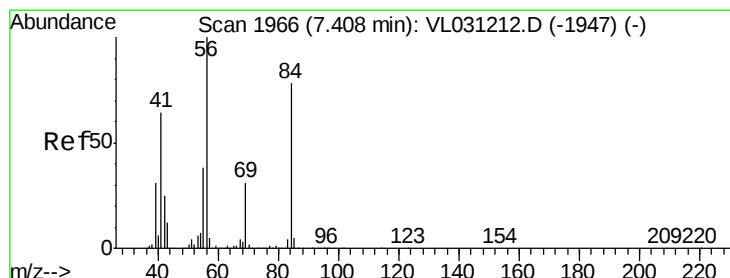
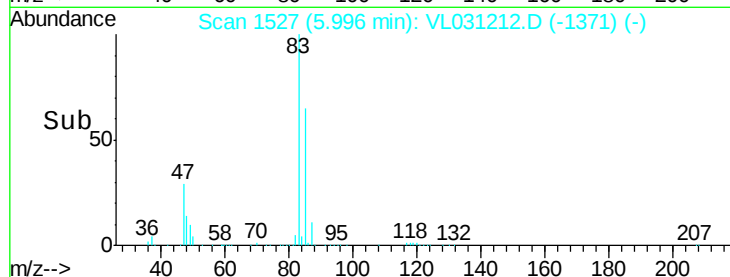
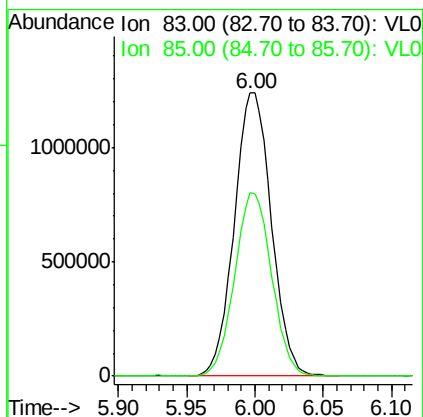
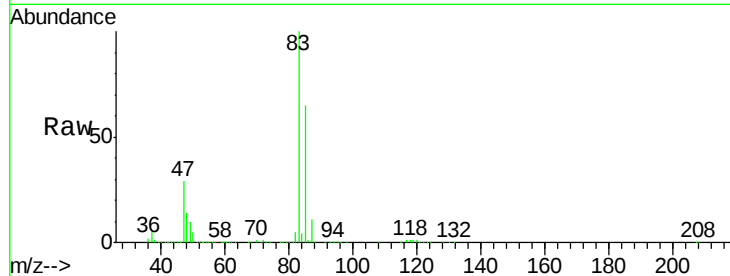




#29
Chloroform
Concen: 9.69 ppbv
RT: 6.00 min Scan# 1527
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

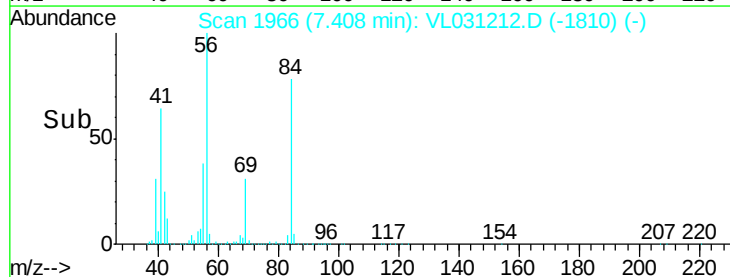
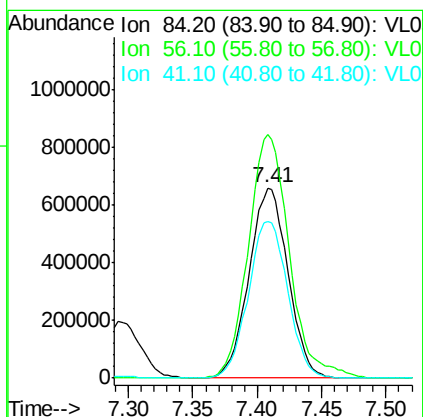
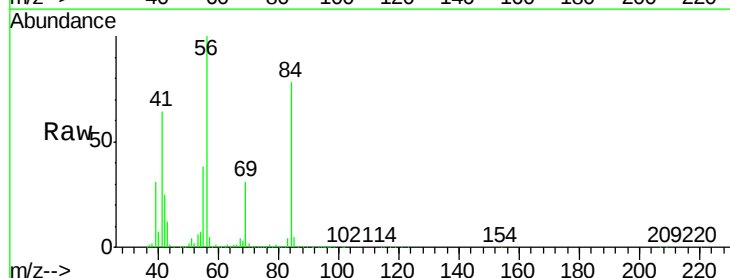
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

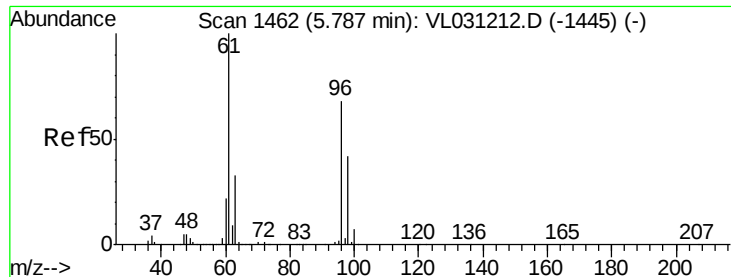
Tgt Ion: 83 Resp: 2338770
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6



#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

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

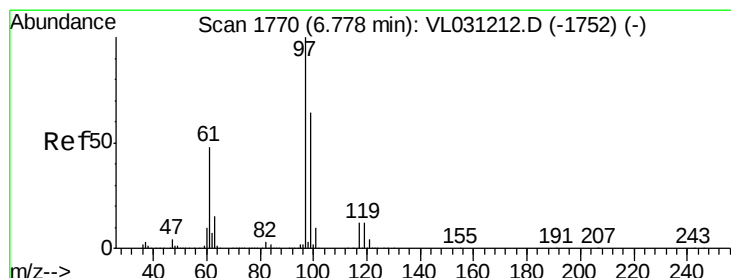
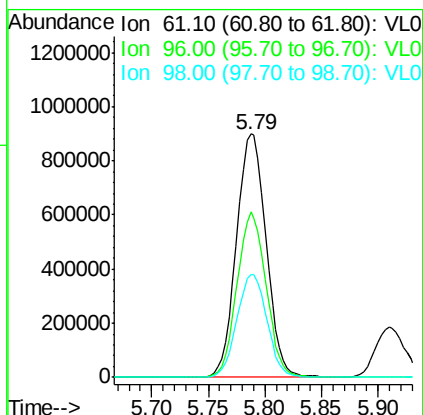
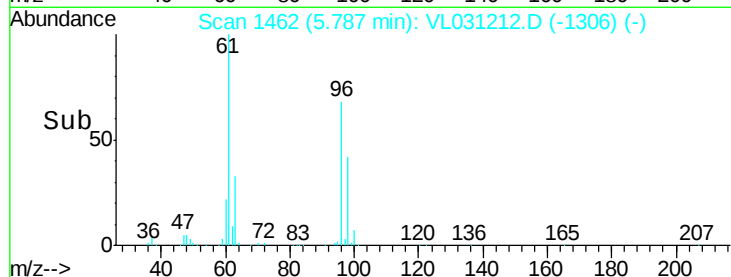
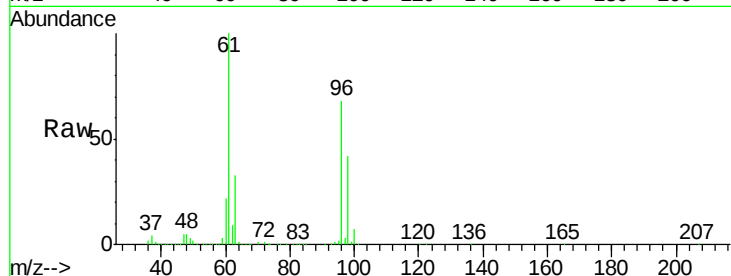
Tgt Ion: 61 Resp: 1652813

Ion Ratio Lower Upper

61 100

96 68.0 54.4 81.6

98 42.0 33.6 50.4



#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

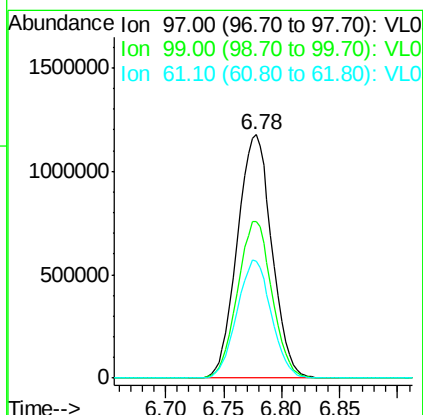
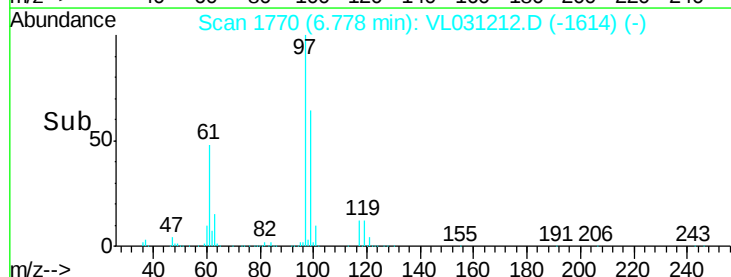
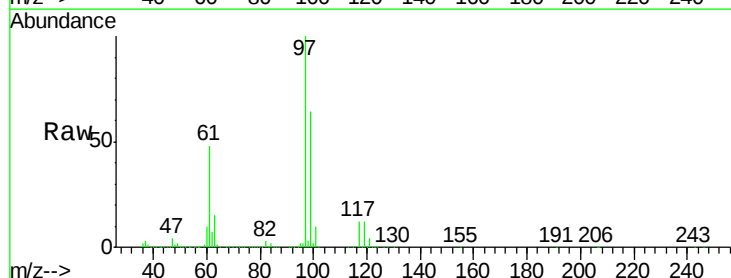
Tgt Ion: 97 Resp: 2436917

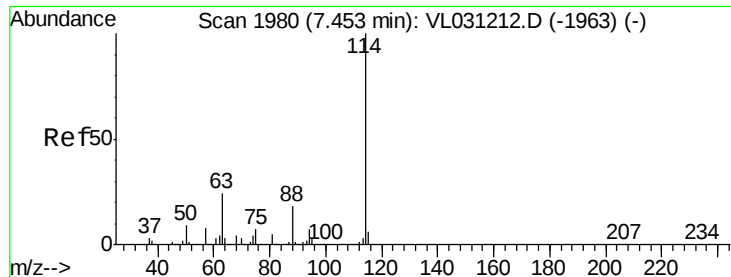
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 48.0 38.4 57.6

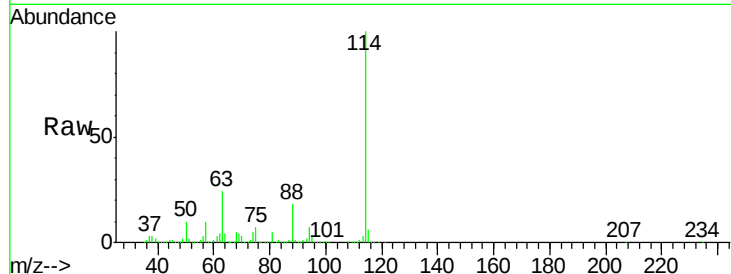




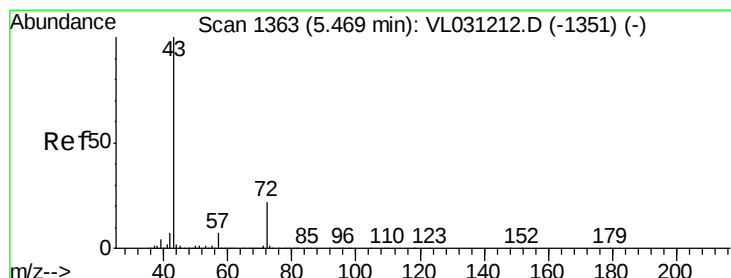
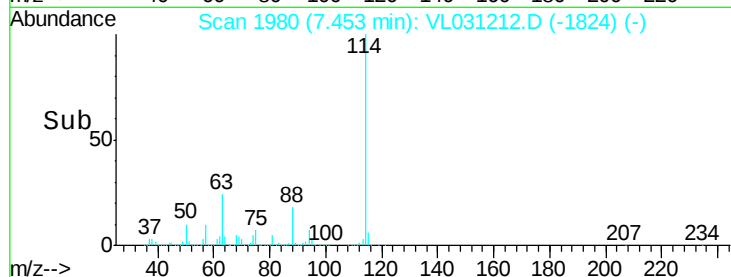
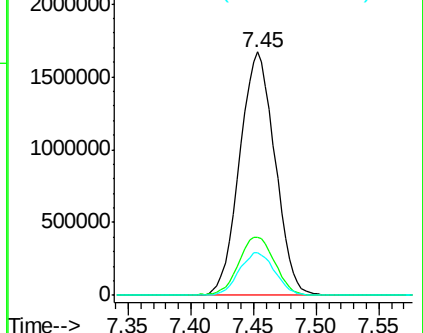
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 114 Resp: 3271884
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.8 29.8
 88 17.8 14.2 21.4

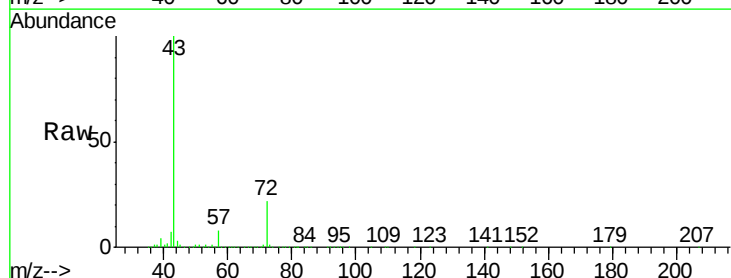


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

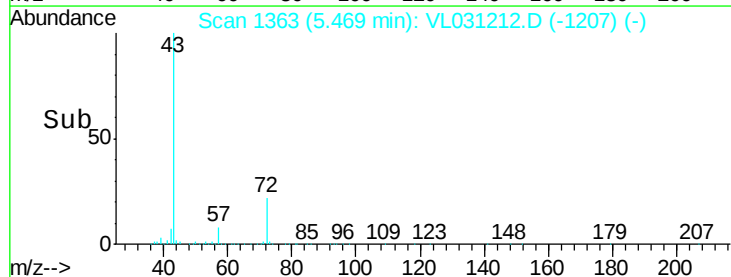
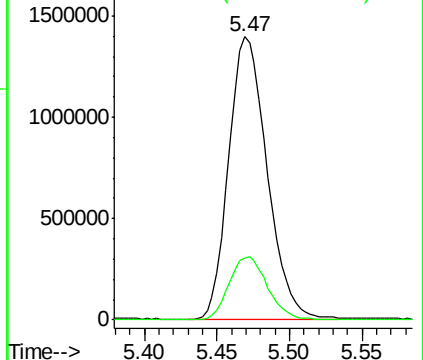


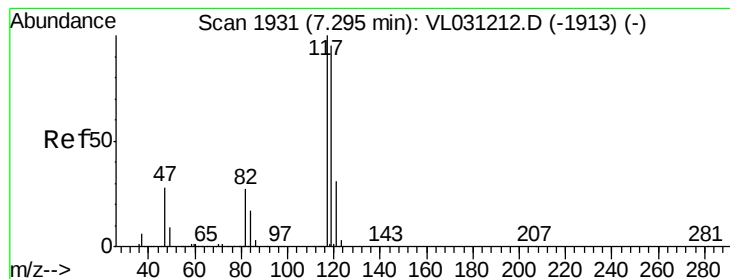
#34
 2-Butanone
 Concen: 9.51 ppbv
 RT: 5.47 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

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

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

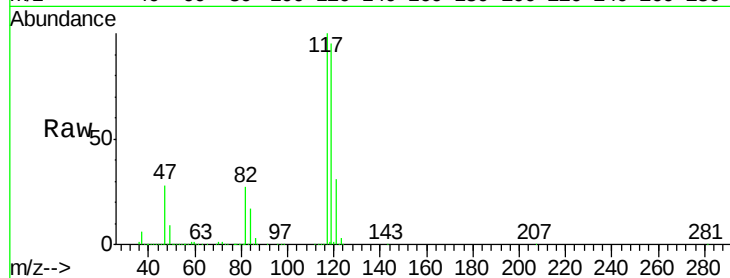
Tgt Ion: 117 Resp: 2338546

Ion Ratio Lower Upper

117 100

119 94.9 75.9 113.9

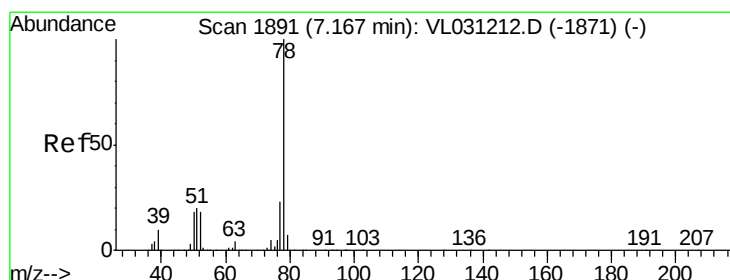
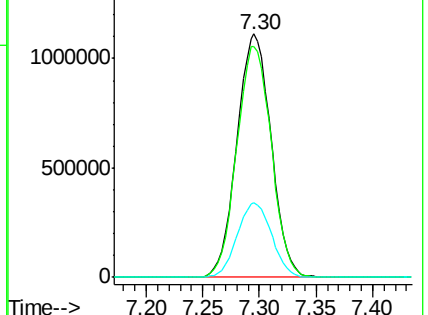
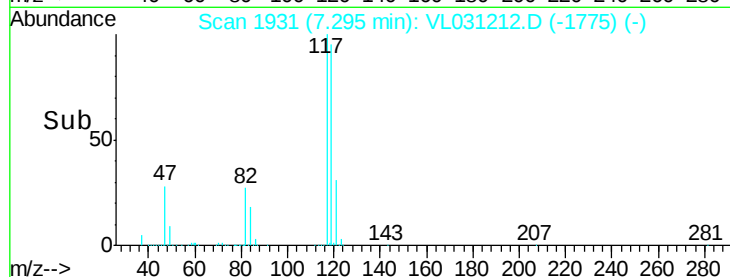
121 30.8 24.6 37.0



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

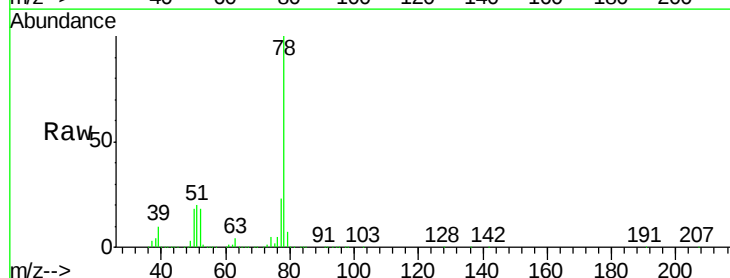
Tgt Ion: 78 Resp: 3441676

Ion Ratio Lower Upper

78 100

77 22.6 18.1 27.1

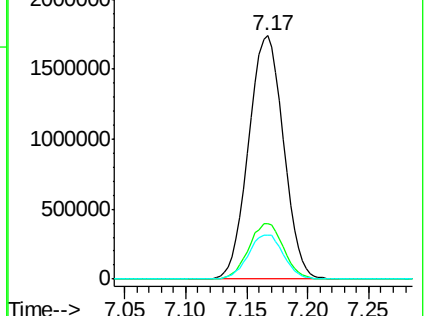
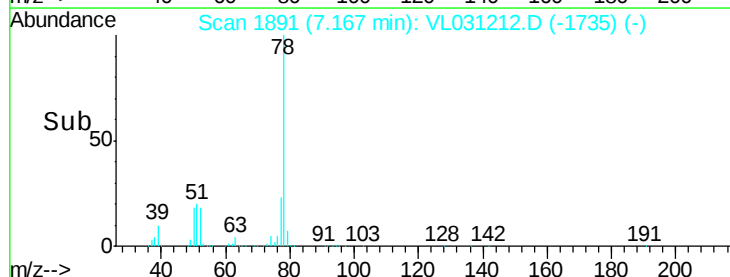
50 18.2 14.6 21.8

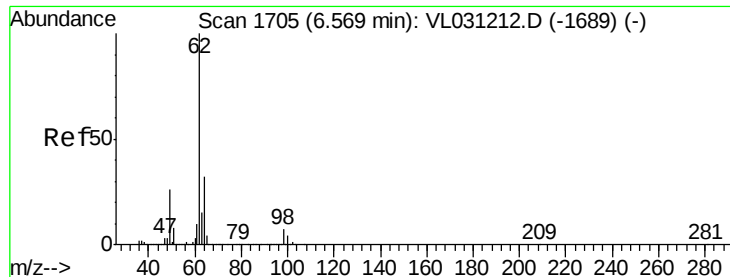


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

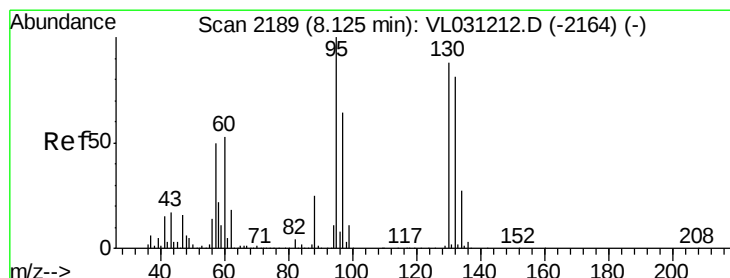
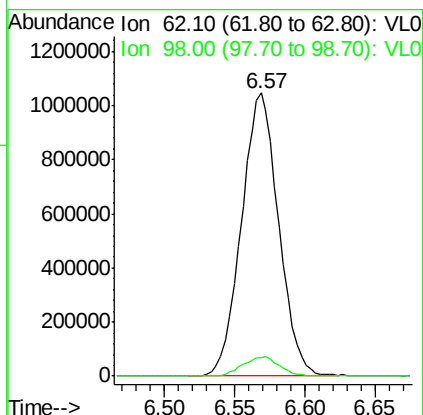
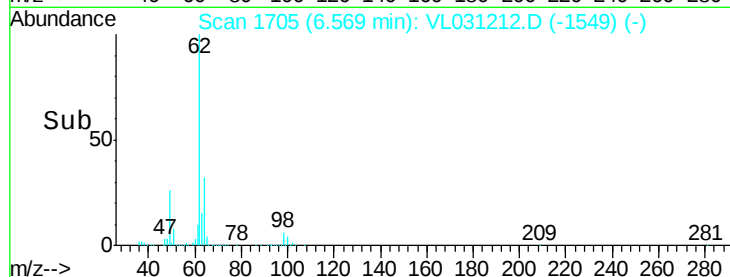
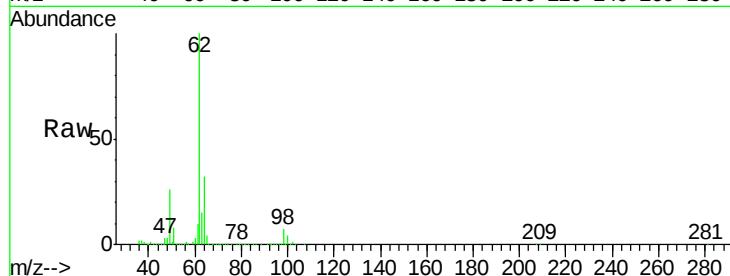




#37
 1,2-Dichloroethane
 Concen: 8.77 ppbv
 RT: 6.57 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

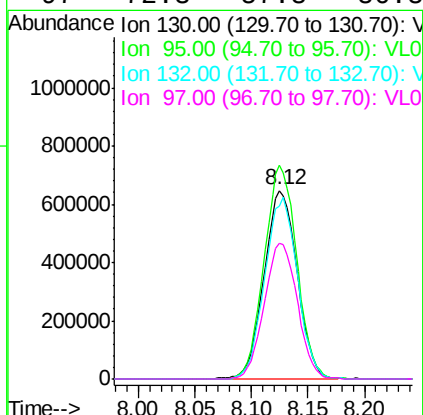
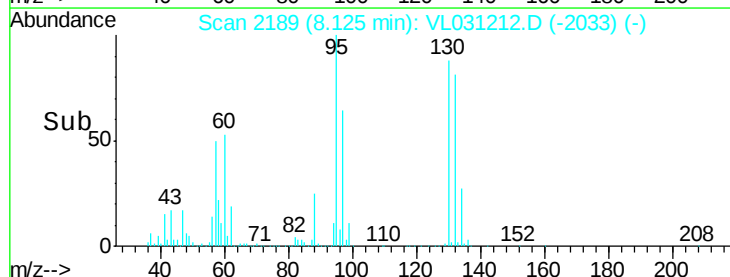
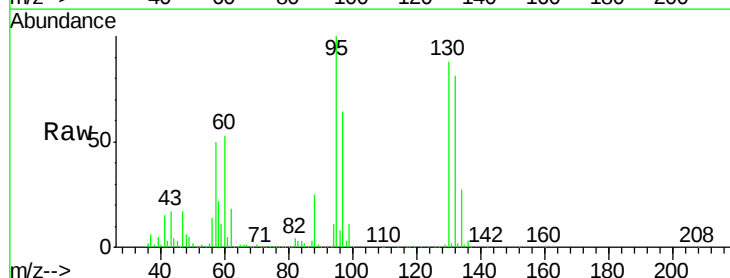
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

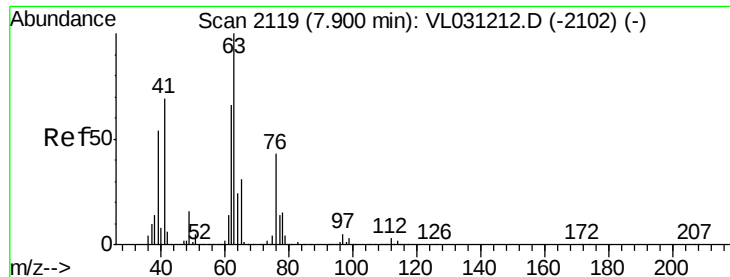
Tgt Ion: 62 Resp: 1928421
 Ion Ratio Lower Upper
 62 100
 98 6.8 5.4 8.2



#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

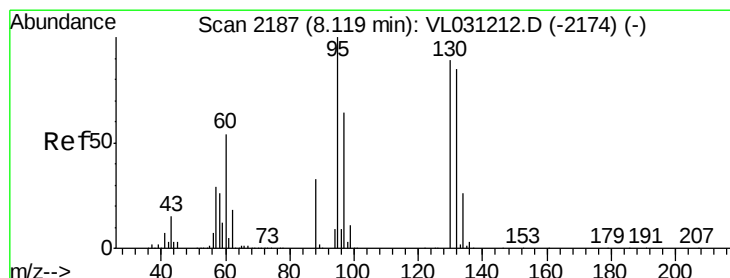
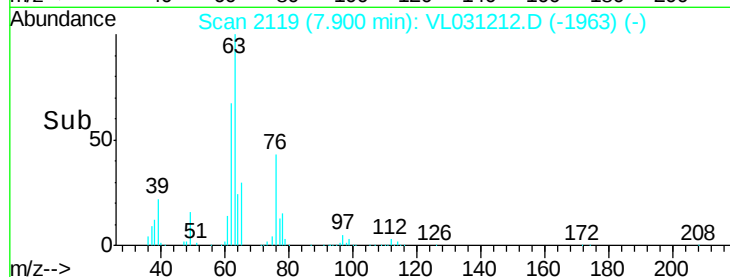
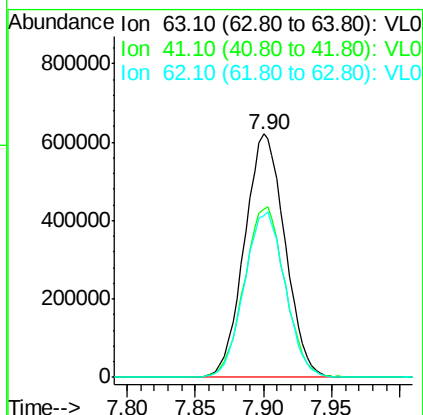
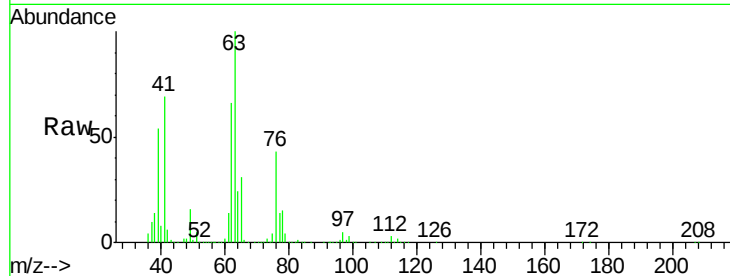




#39
 1,2-Dichloropropane
 Concen: 8.91 ppbv
 RT: 7.90 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

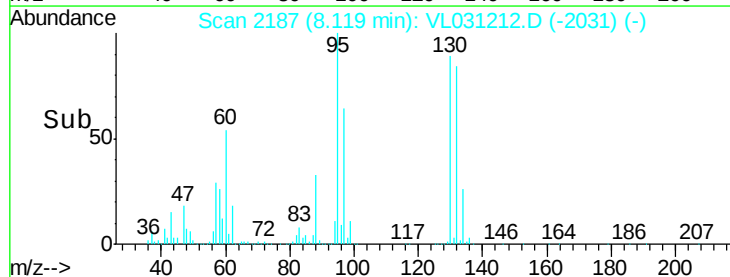
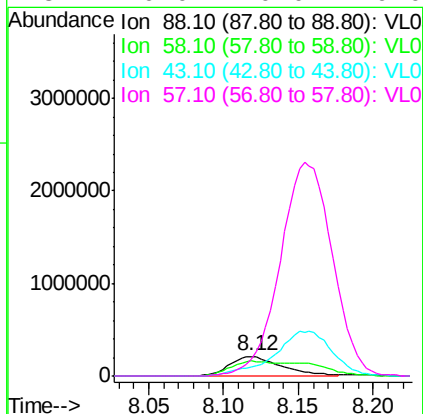
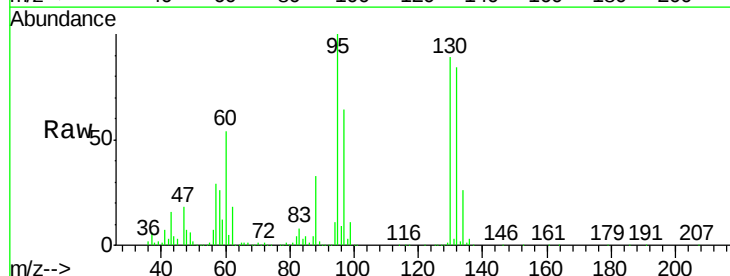
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

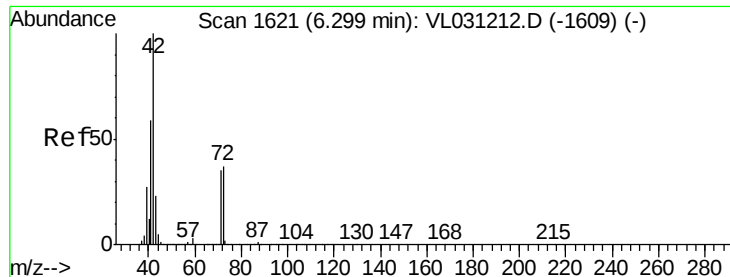
Tgt Ion: 63 Resp: 1277738
 Ion Ratio Lower Upper
 63 100
 41 69.0 55.2 82.8
 62 66.2 53.0 79.4



#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

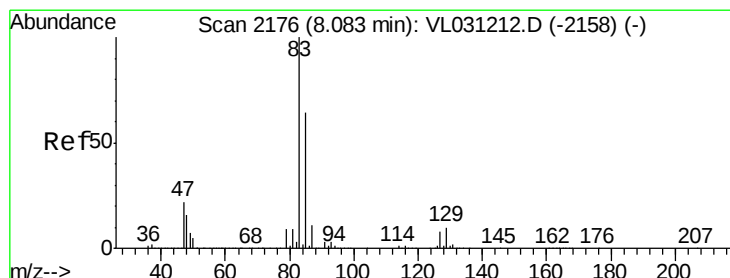
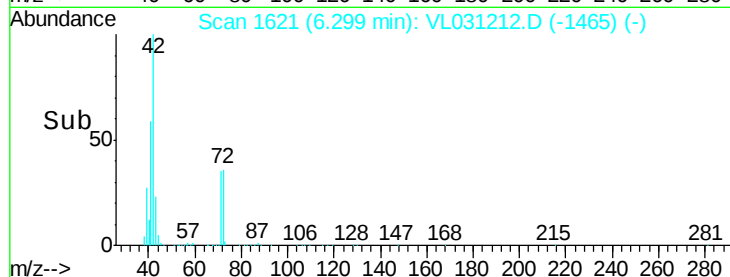
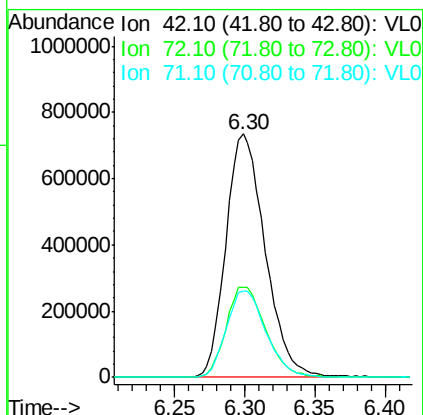
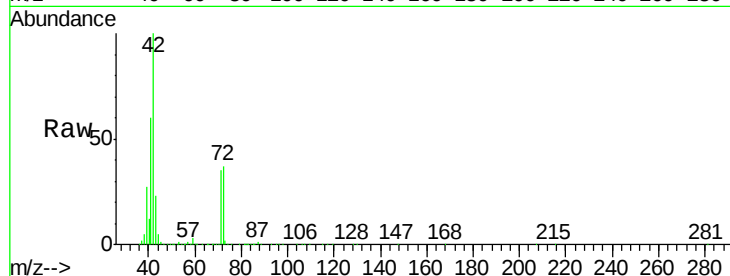




#41
Tetrahydrofuran
Concen: 10.13 ppbv
RT: 6.30 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

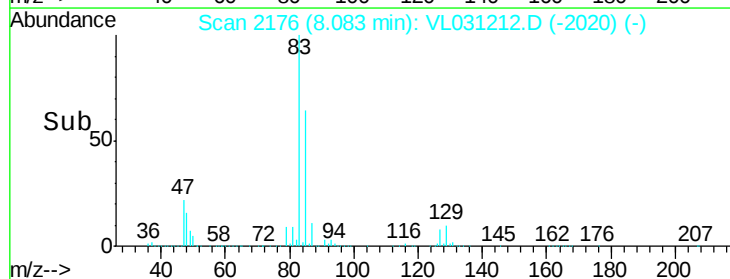
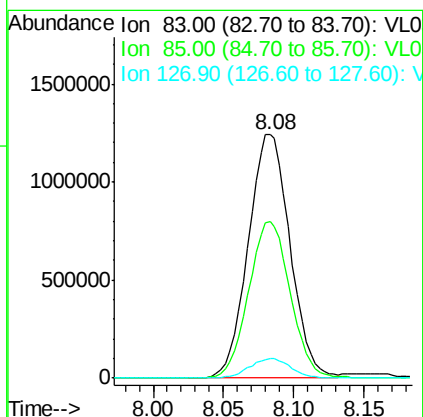
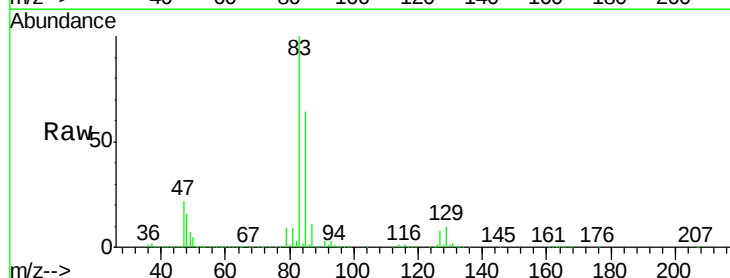
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

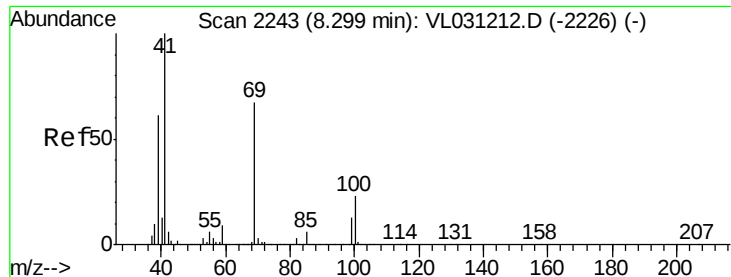
Tgt Ion: 42 Resp: 1424658
Ion Ratio Lower Upper
42 100
72 37.8 30.2 45.4
71 36.3 29.0 43.6



#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

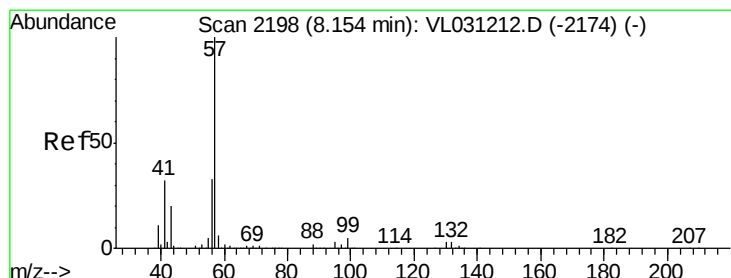
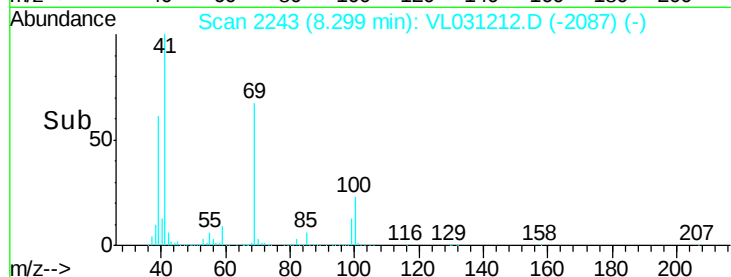
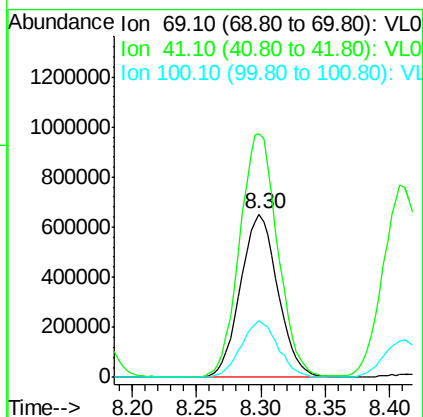
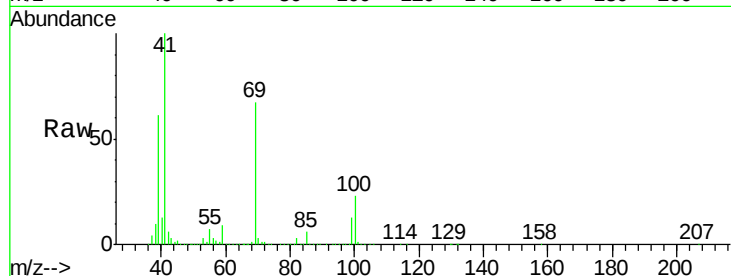




#43
Methyl Methacrylate
Concen: 10.03 ppbv
RT: 8.30 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

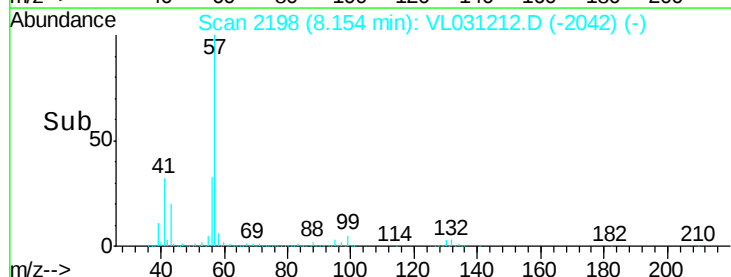
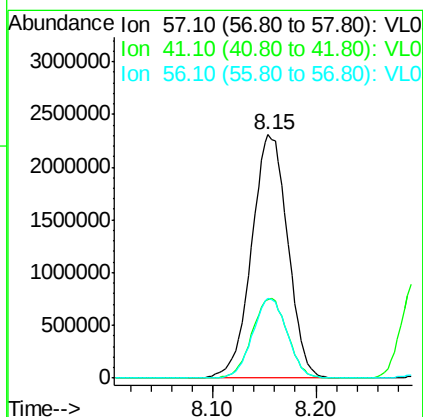
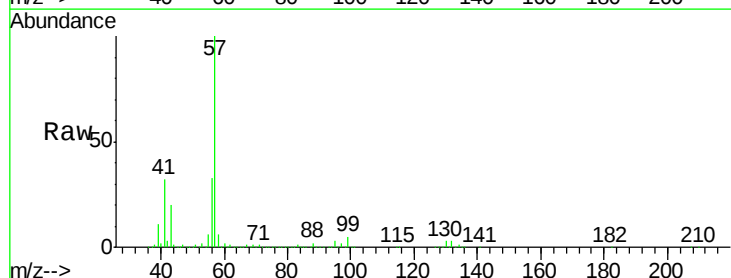
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

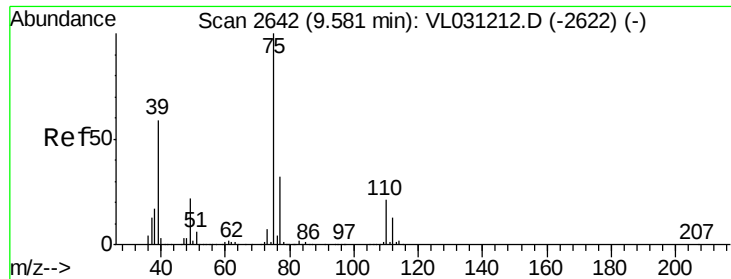
Tgt Ion: 69 Resp: 1314047
Ion Ratio Lower Upper
69 100
41 151.4 121.1 181.7
100 34.3 27.4 41.2



#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





#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

Instrument :

MSVOA_L

ClientSampleId :

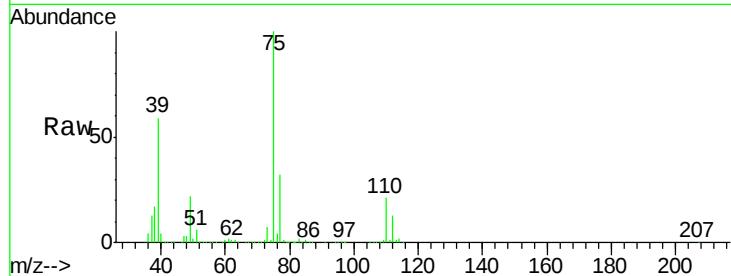
VSTDICCC010

Tgt Ion: 75 Resp: 1892518

Ion Ratio Lower Upper

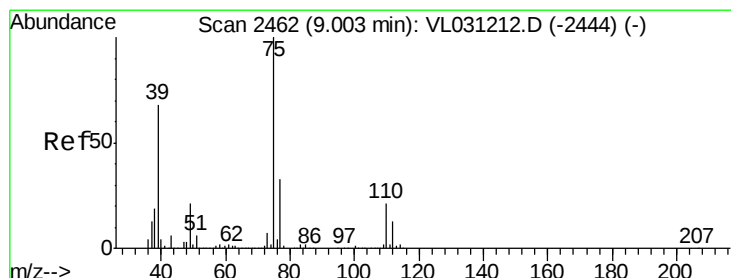
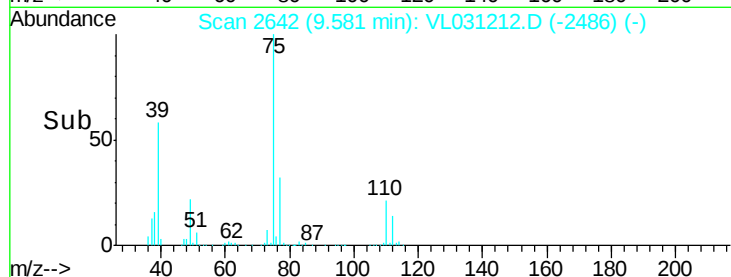
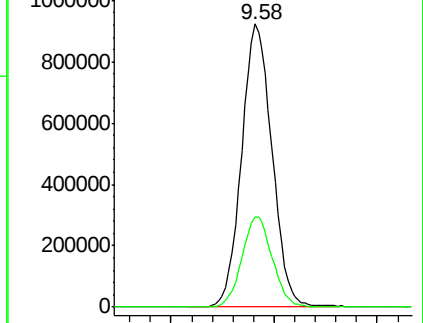
75 100

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

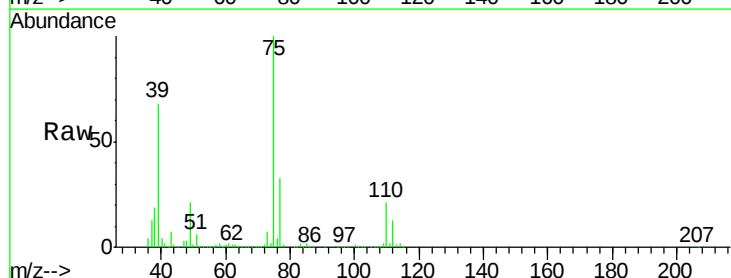
Tgt Ion: 75 Resp: 2297556

Ion Ratio Lower Upper

75 100

39 67.8 54.2 81.4

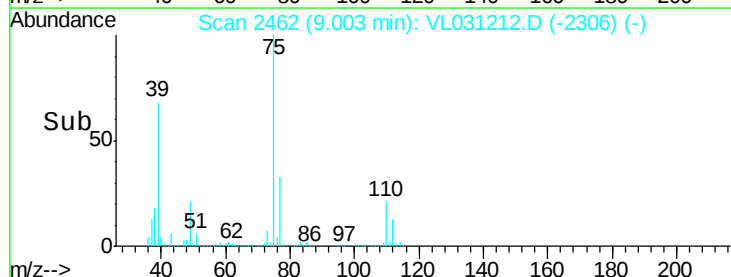
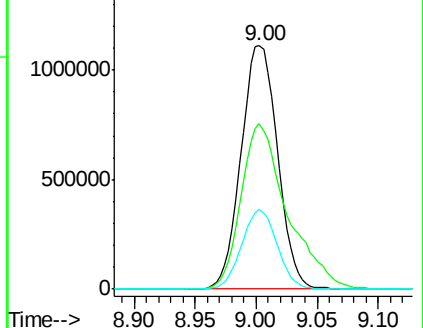
77 32.8 26.2 39.4

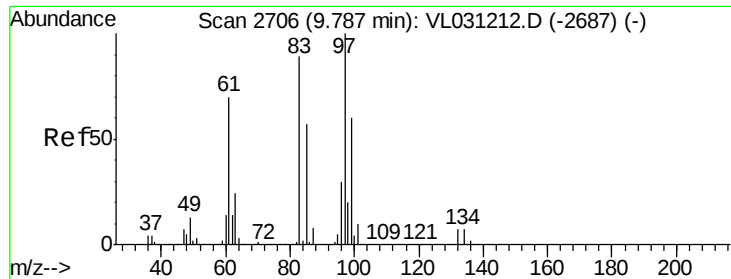


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

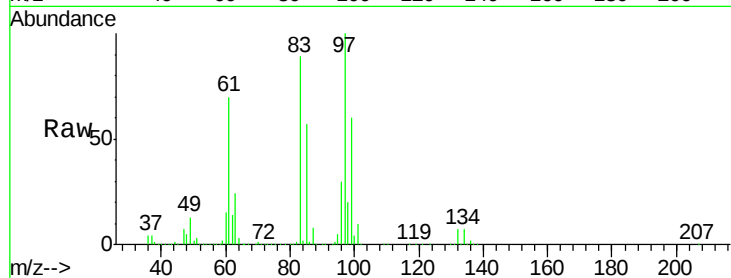




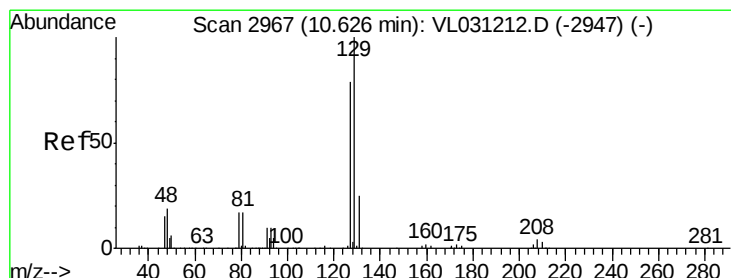
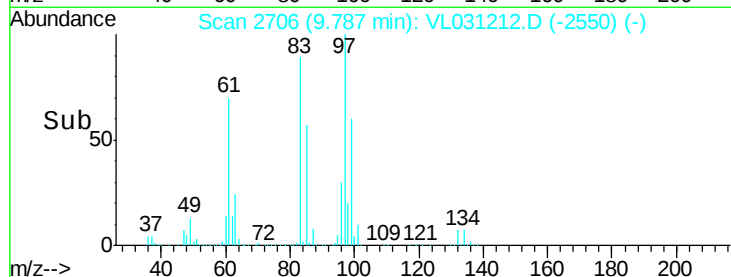
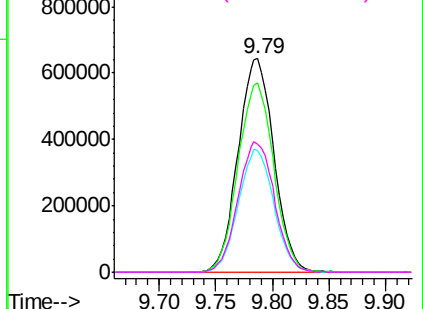
#47
 1,1,2-Trichloroethane
 Concen: 9.33 ppbv
 RT: 9.79 min Scan# 2706
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt 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

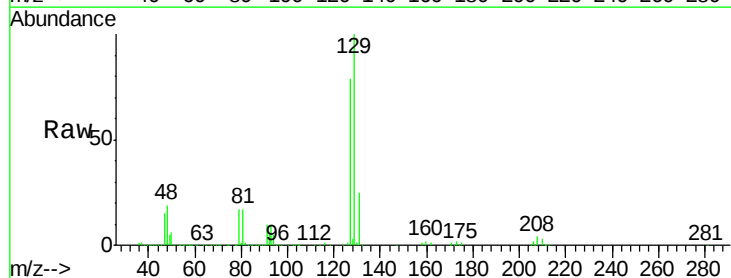


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

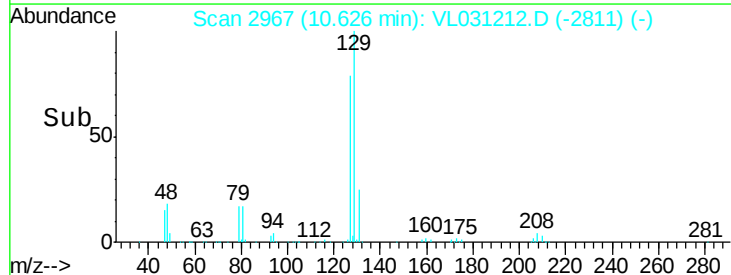
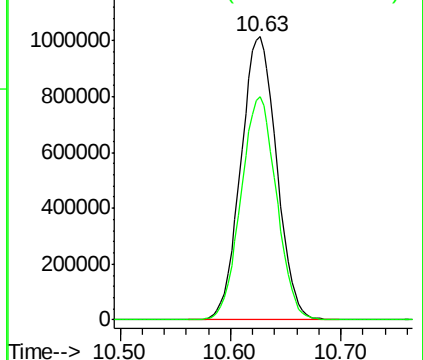


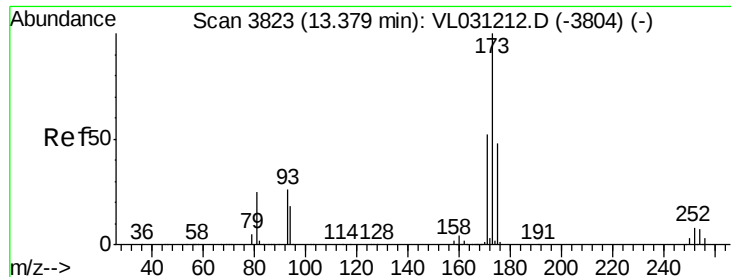
#48
 Dibromochloromethane
 Concen: 11.15 ppbv
 RT: 10.63 min Scan# 2967
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

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

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

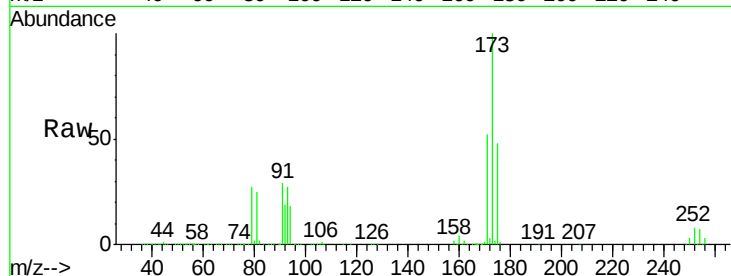
Tgt Ion:173 Resp: 1807695

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

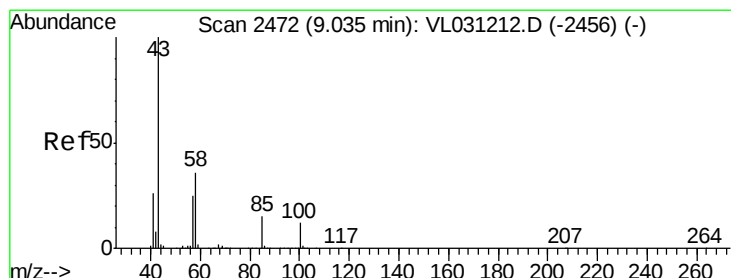
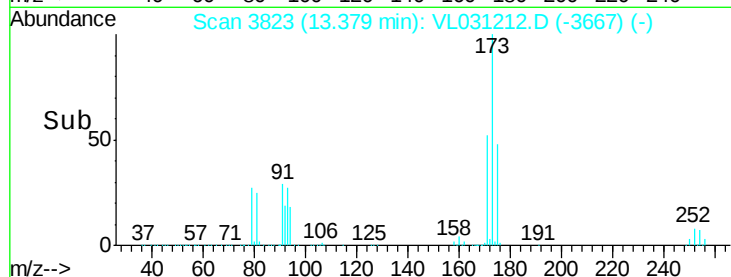
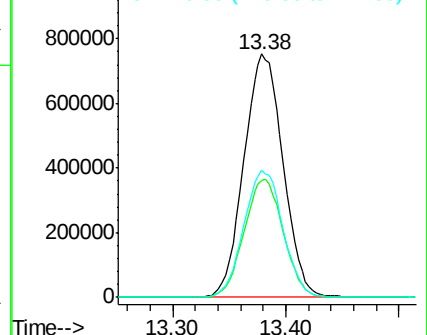
171 52.4 41.8 62.8



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

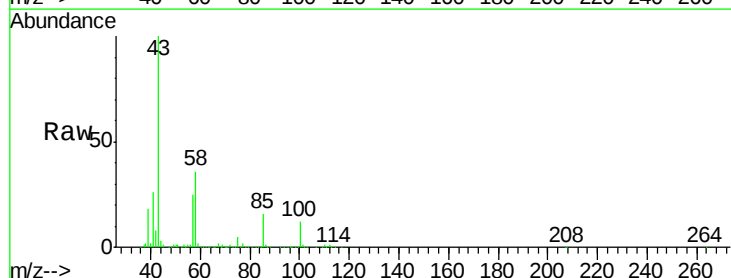
Acq: 13 Dec 2017 22:26

Tgt Ion: 43 Resp: 3142785

Ion Ratio Lower Upper

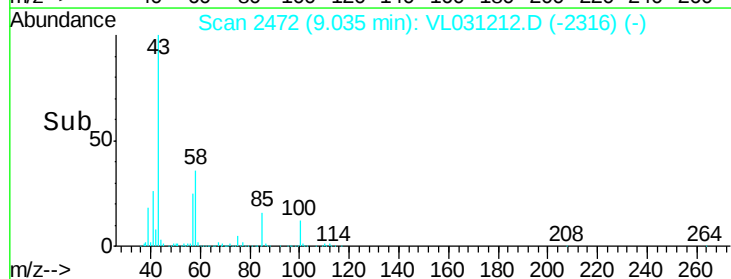
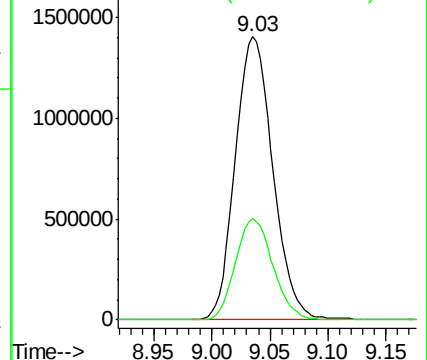
43 100

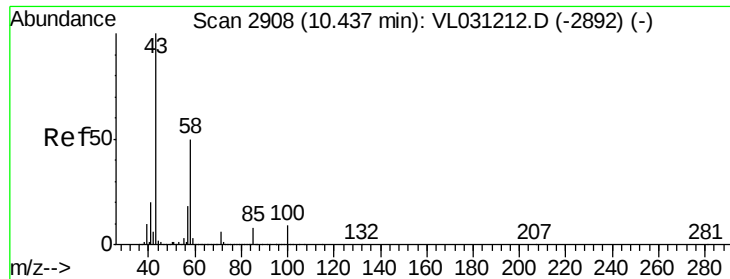
58 36.0 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

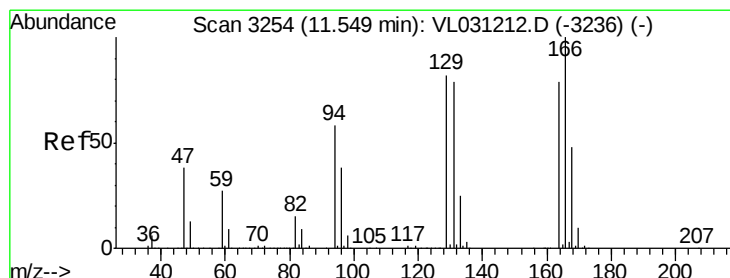
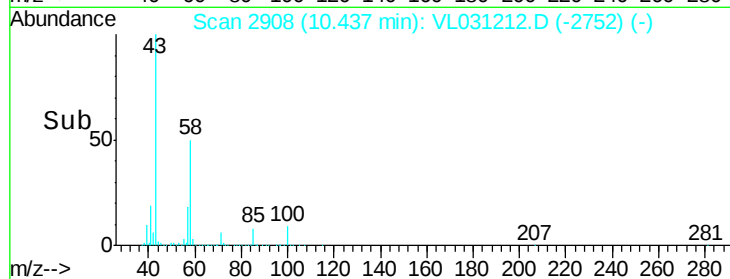
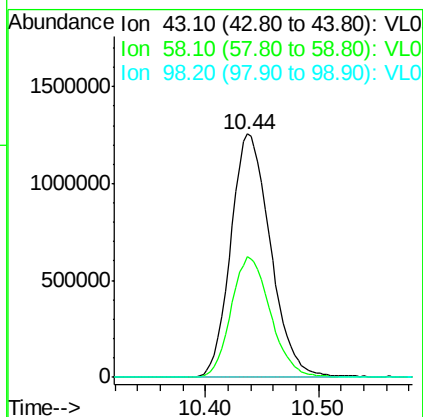
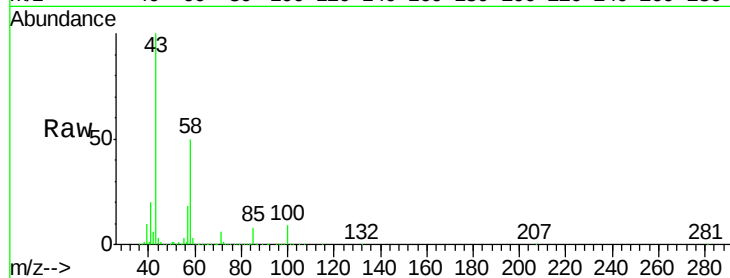




#51
2-Hexanone
Concen: 9.50 ppbv
RT: 10.44 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

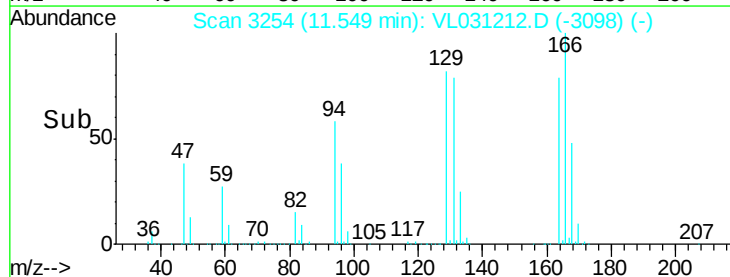
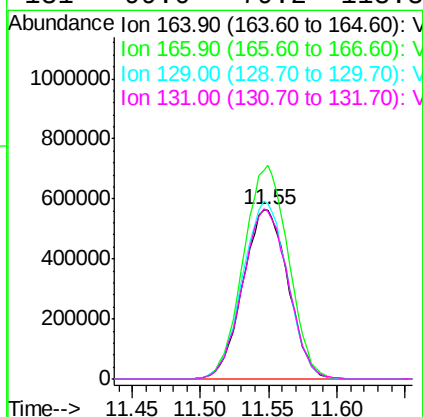
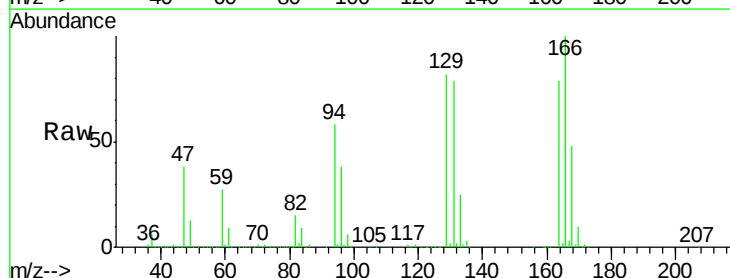
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

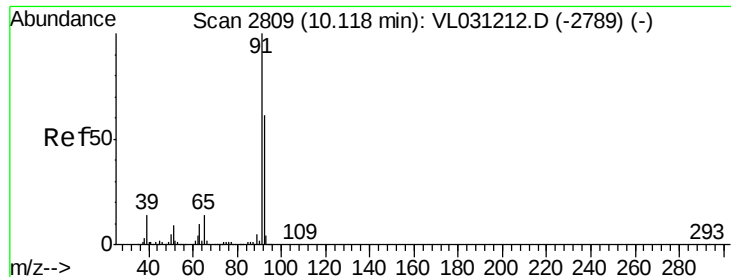
Tgt Ion: 43 Resp: 3054370
Ion Ratio Lower Upper
43 100
58 49.5 39.8 59.6
98 0.0 0.0 0.0#



#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





#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

Instrument :

MSVOA_L

ClientSampleId :

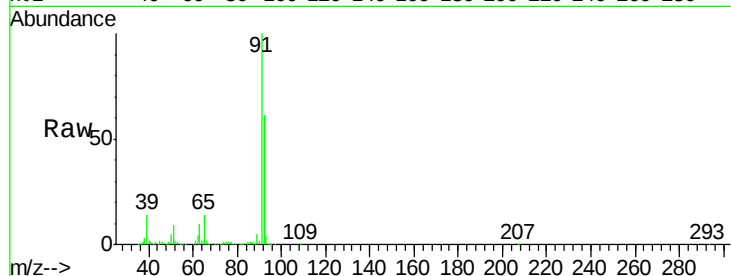
VSTDICCC010

Tgt Ion: 91 Resp: 4115570

Ion Ratio Lower Upper

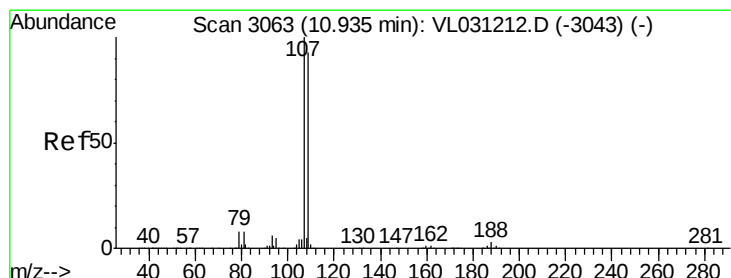
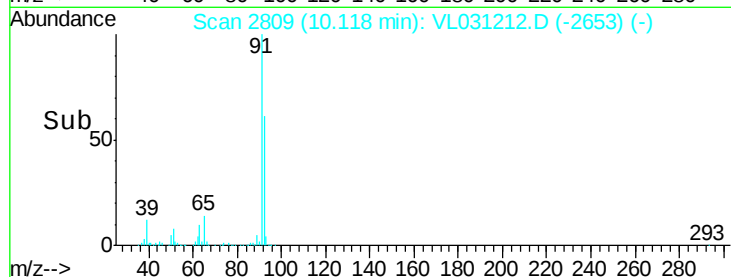
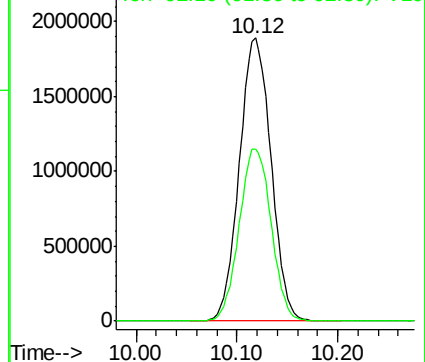
91 100

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

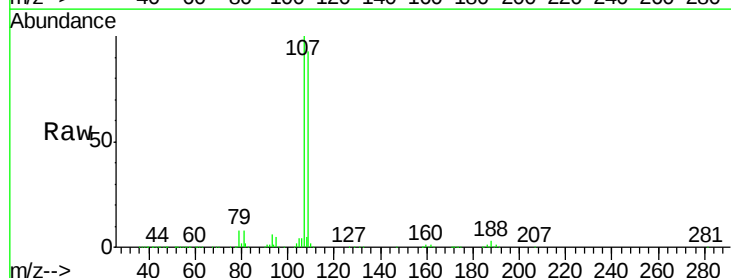
Acq: 13 Dec 2017 22:26

Tgt Ion: 107 Resp: 2149679

Ion Ratio Lower Upper

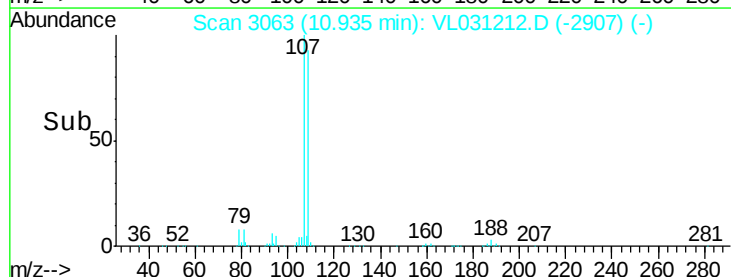
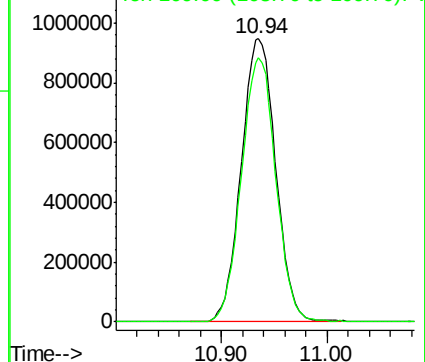
107 100

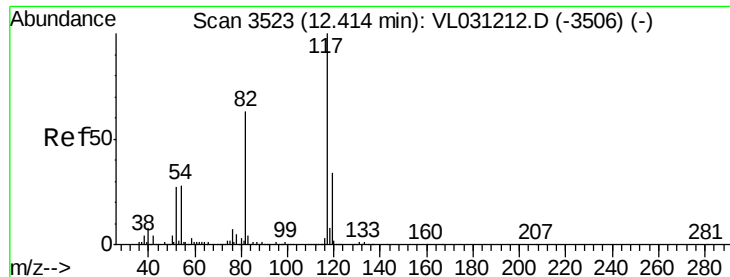
109 93.4 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

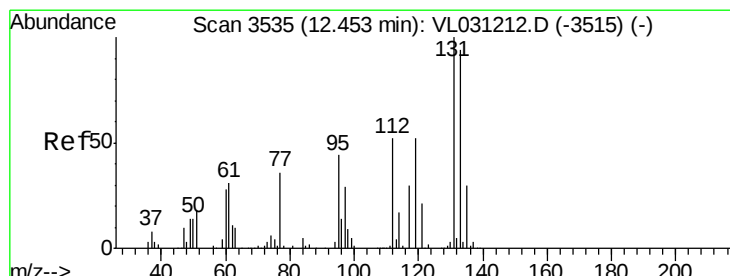
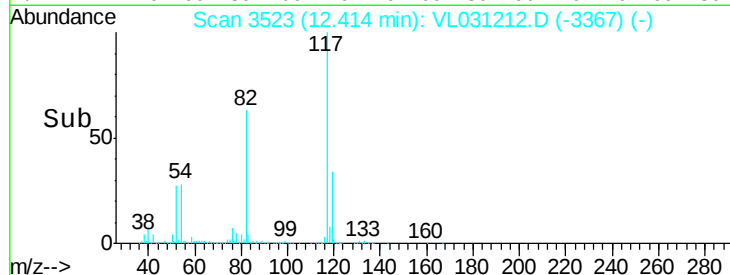
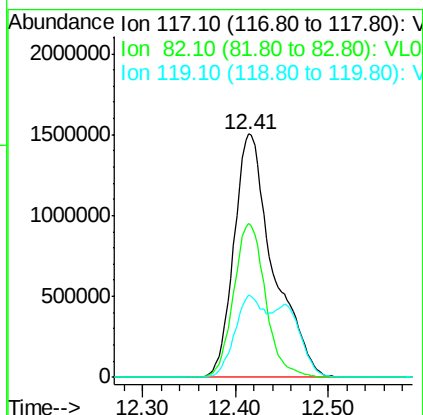
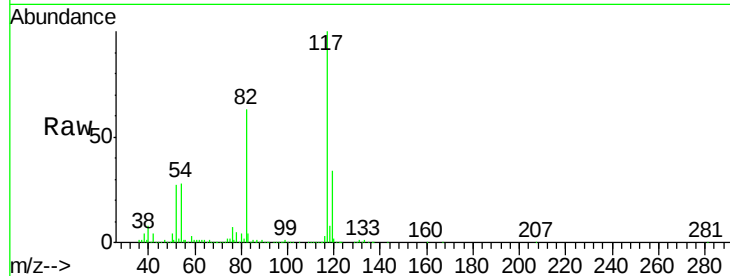




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3523
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

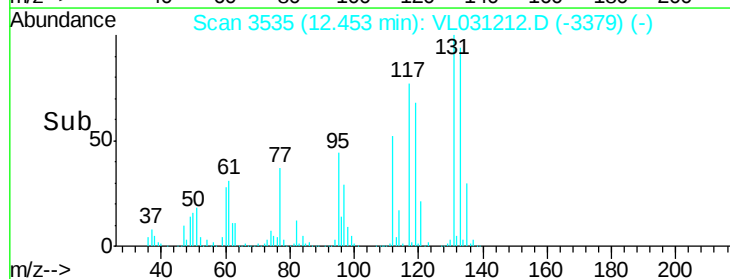
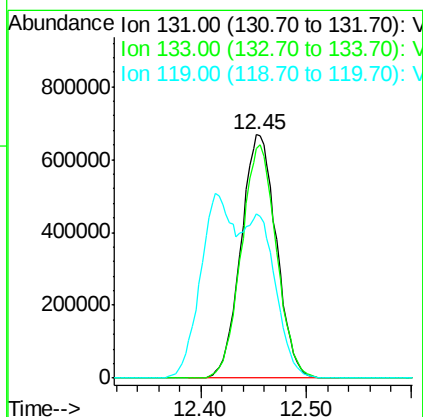
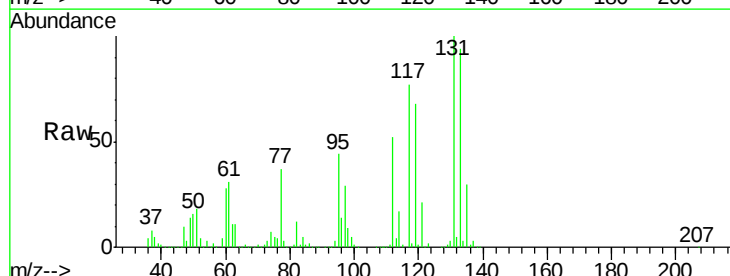
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

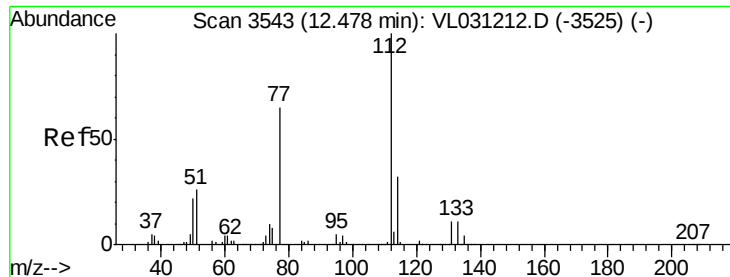
Tgt Ion:117 Resp: 4436625
Ion Ratio Lower Upper
117 100
82 51.1 48.1 72.1
119 26.3 23.1 34.7



#56
1,1,1,2-Tetrachloroethane
Concen: 8.55 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#

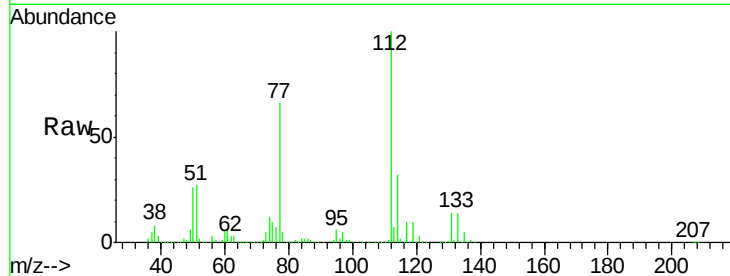




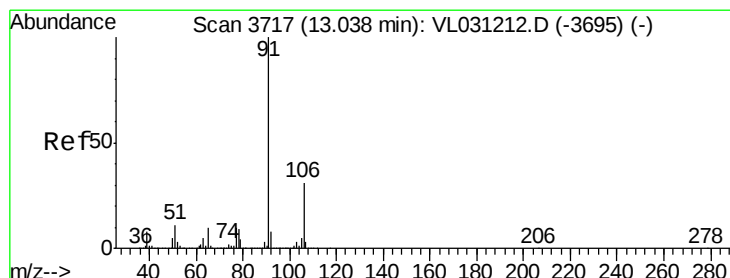
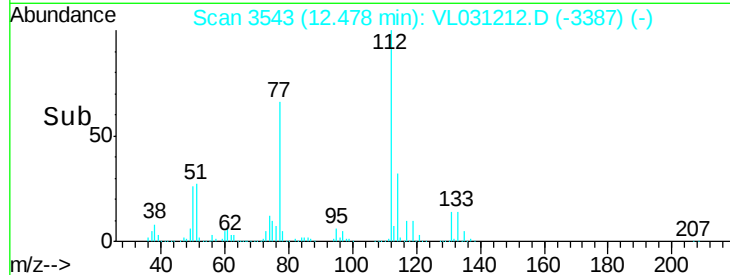
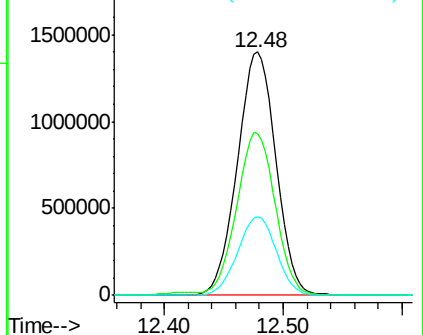
#57
Chlorobenzene
Concen: 7.24 ppbv
RT: 12.48 min Scan# 3543
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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

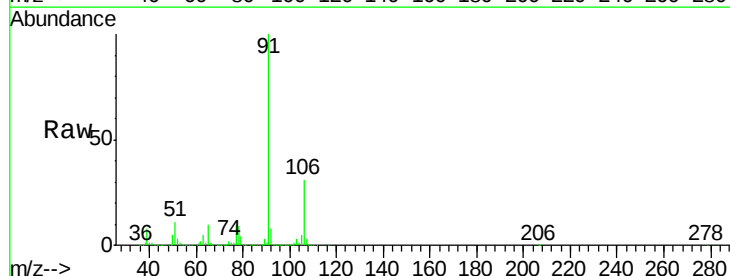


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

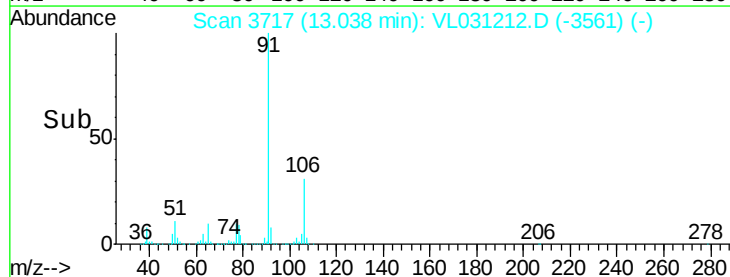
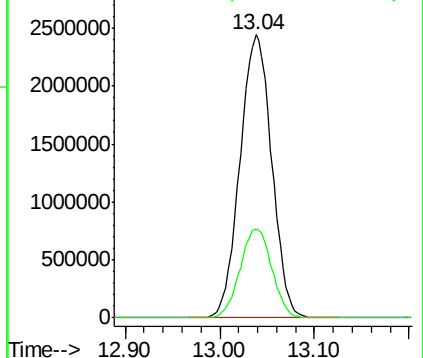


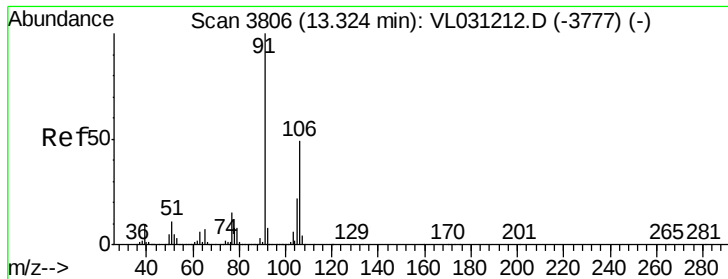
#58
Ethyl Benzene
Concen: 7.47 ppbv
RT: 13.04 min Scan# 3717
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

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: 7.40 ppbv

RT: 13.32 min Scan# 3806

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Instrument :

MSVOA_L

ClientSampleId :

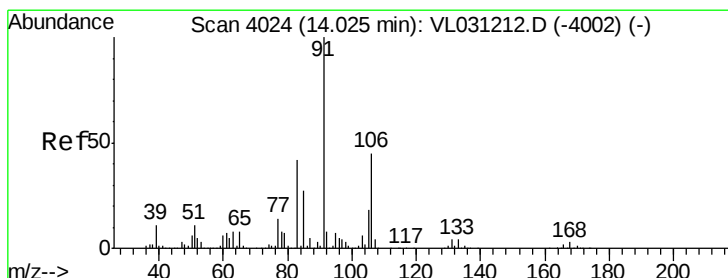
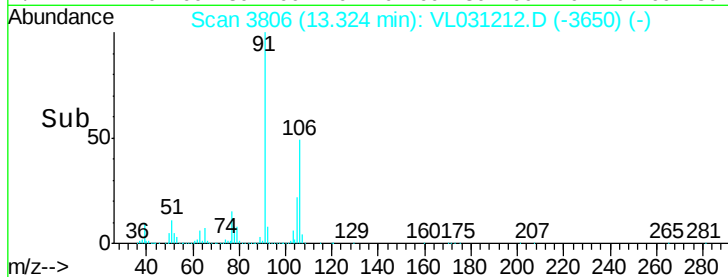
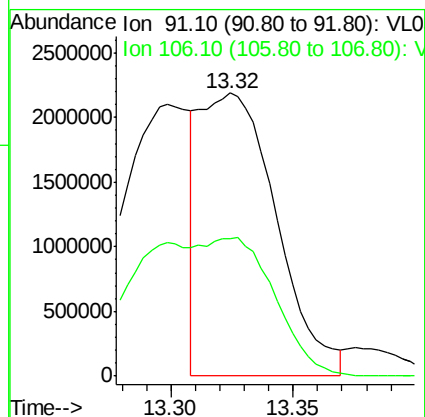
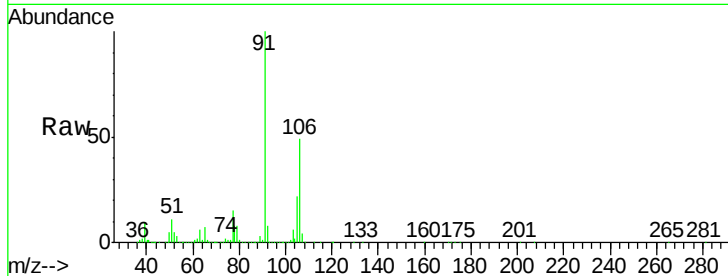
VSTDICCC010

Tgt Ion: 91 Resp: 4742444

Ion Ratio Lower Upper

91 100

106 90.9 38.5 57.7#



#60

o-Xylene

Concen: 7.07 ppbv

RT: 14.03 min Scan# 4024

Delta R.T. 0.00 min

Lab File: VL031212.D

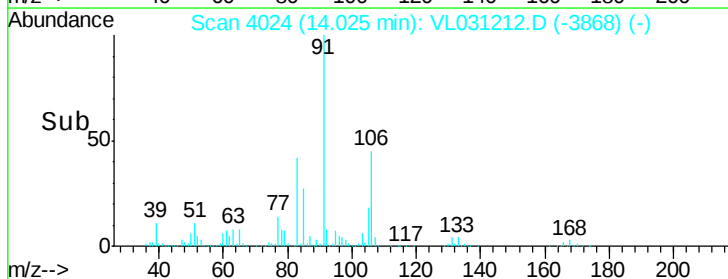
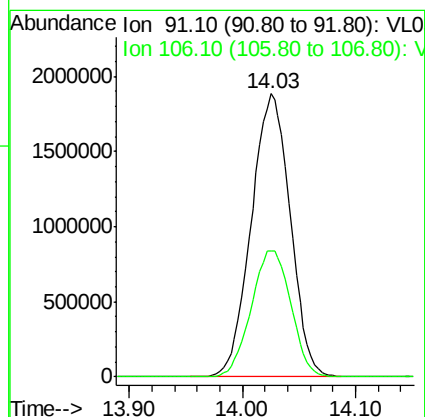
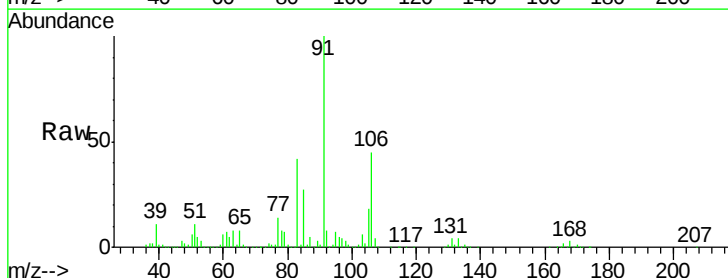
Acq: 13 Dec 2017 22:26

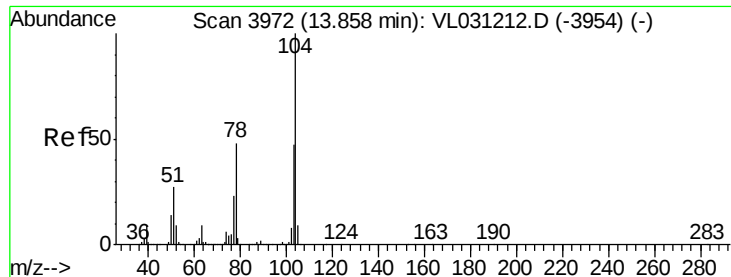
Tgt Ion: 91 Resp: 4505893

Ion Ratio Lower Upper

91 100

106 45.4 22.7 68.1





#61

Styrene

Concen: 8.68 ppbv

RT: 13.86 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

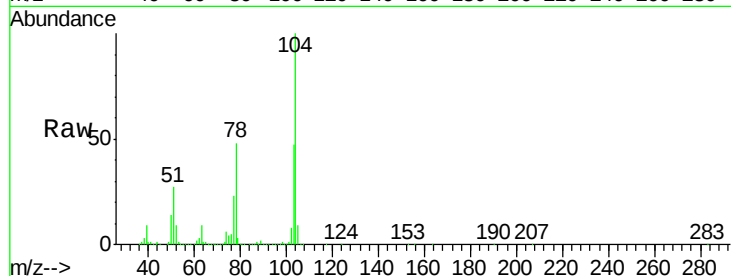
Tgt Ion:104 Resp: 1391820

Ion Ratio Lower Upper

104 100

78 48.9 39.1 58.7

103 46.6 37.3 55.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

13.86

600000

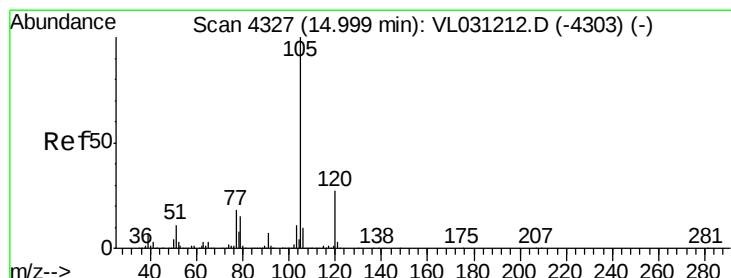
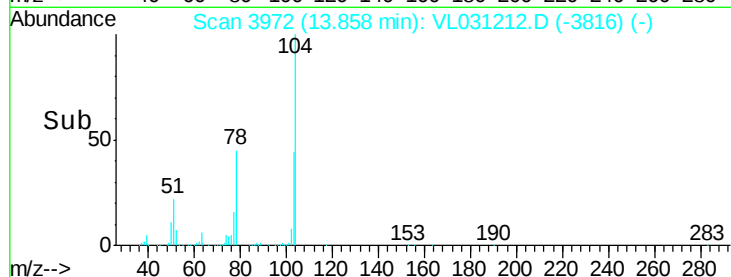
400000

200000

0

13.80 13.90

Time-->



#62

Isopropylbenzene

Concen: 7.85 ppbv

RT: 15.00 min Scan# 4327

Delta R.T. 0.00 min

Lab File: VL031212.D

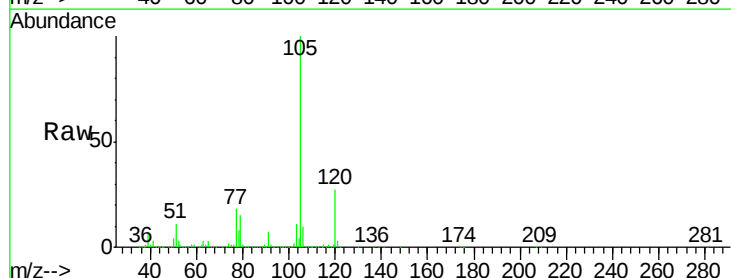
Acq: 13 Dec 2017 22:26

Tgt Ion:105 Resp: 5988174

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.00

2500000

2000000

1500000

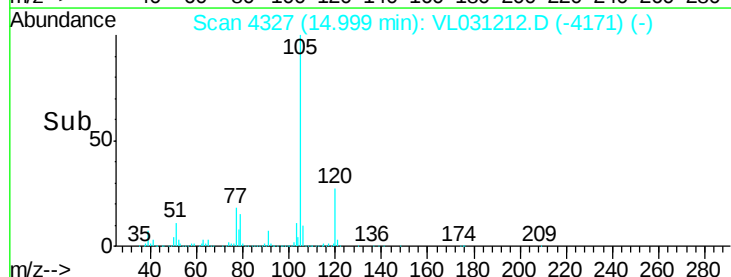
1000000

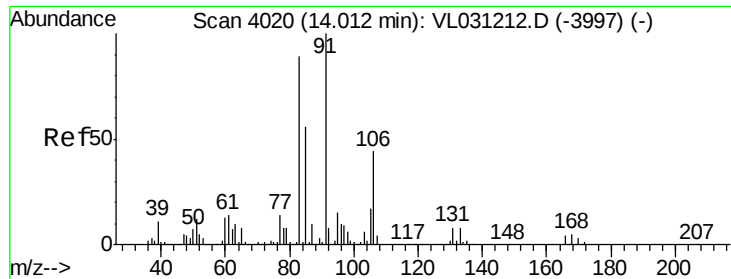
500000

0

14.90 15.00 15.10

Time-->

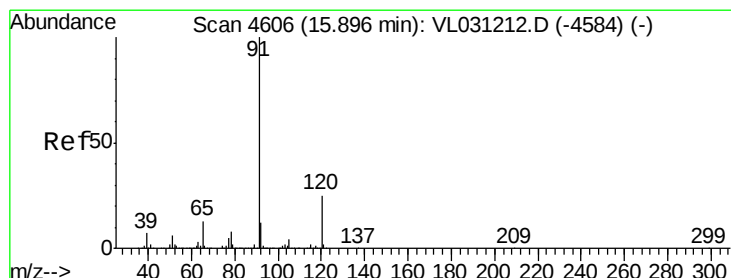
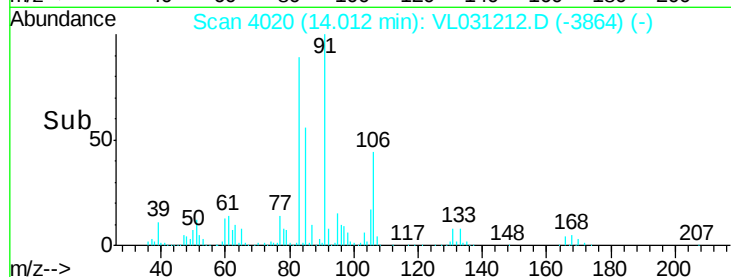
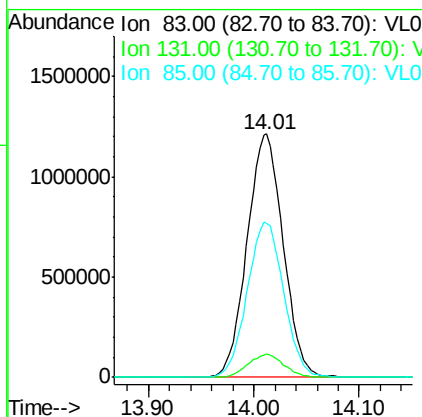
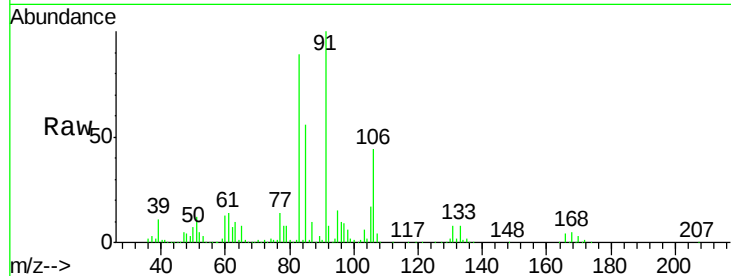




#63
 1,1,2,2-Tetrachloroethane
 Concen: 5.82 ppbv
 RT: 14.01 min Scan# 4020
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

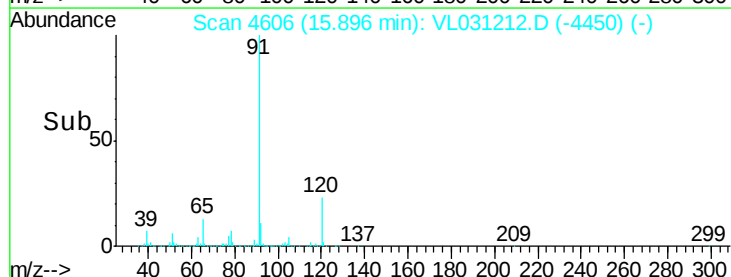
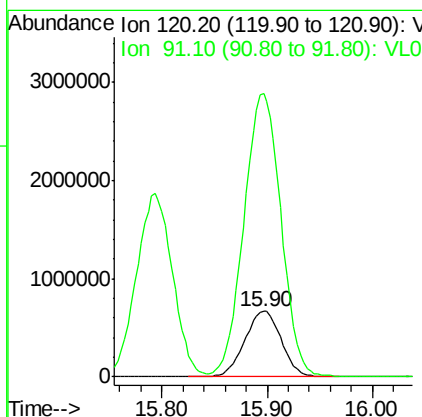
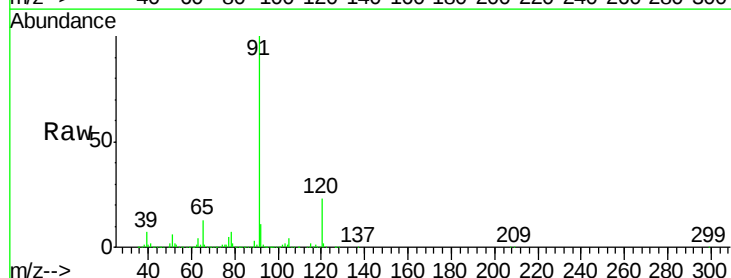
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

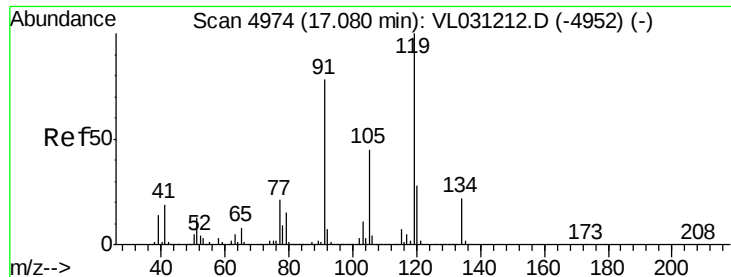
Tgt Ion: 83 Resp: 2893392
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 64.5 32.1 96.5



#64
 n-propylbenzene
 Concen: 7.71 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

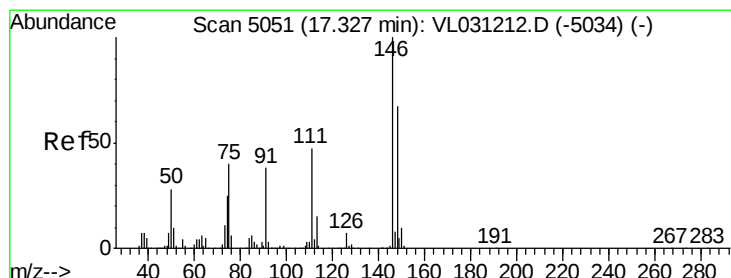
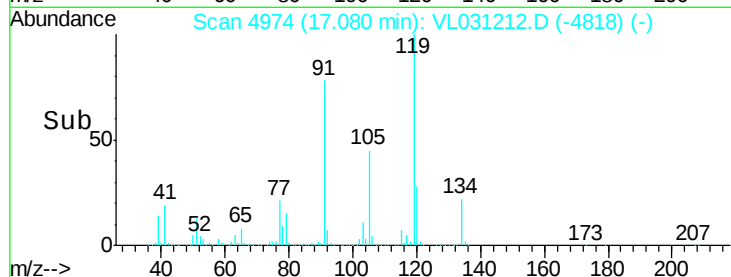
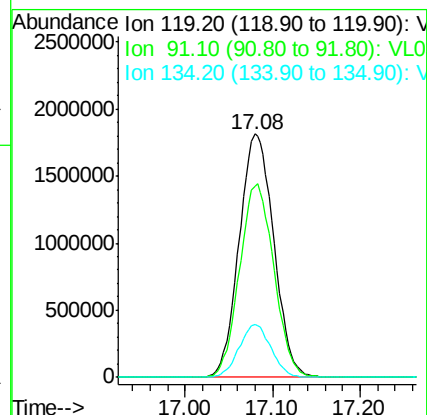
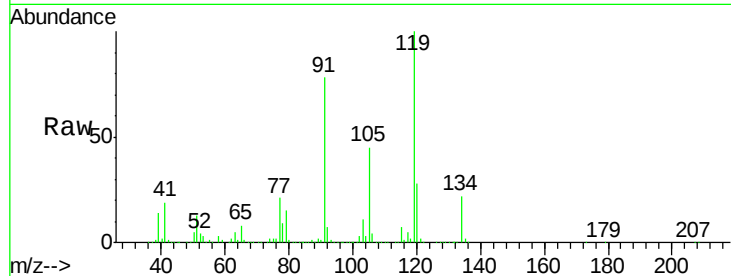




#65
 tert-Butylbenzene
 Concen: 7.42 ppbv
 RT: 17.08 min Scan# 4974
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

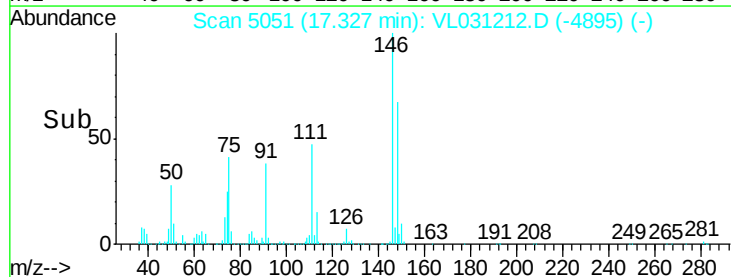
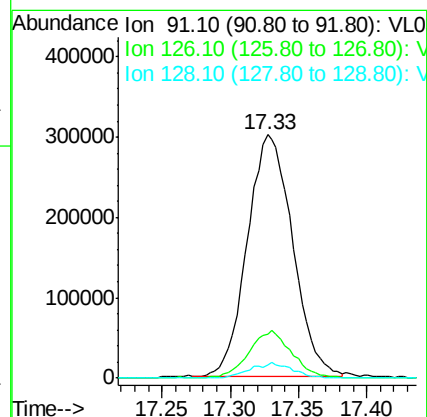
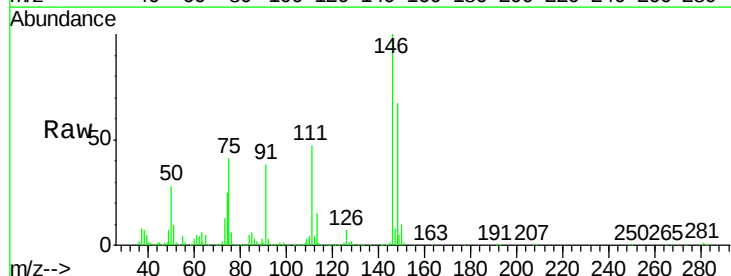
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

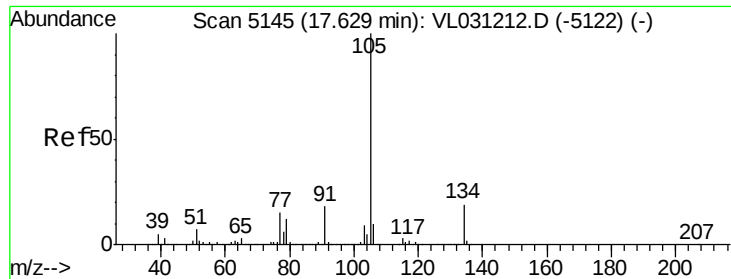
Tgt Ion: 119 Resp: 4965954
 Ion Ratio Lower Upper
 119 100
 91 79.1 63.3 94.9
 134 20.1 16.1 24.1



#66
 Benzyl Chloride
 Concen: 12.11 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

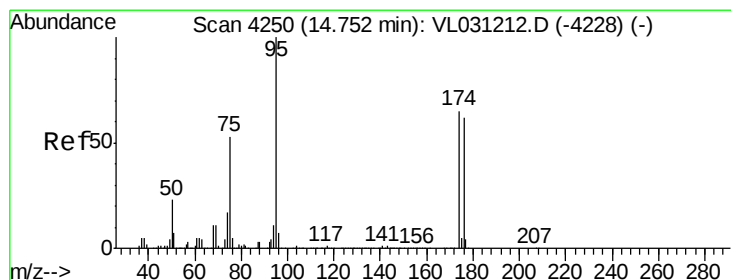
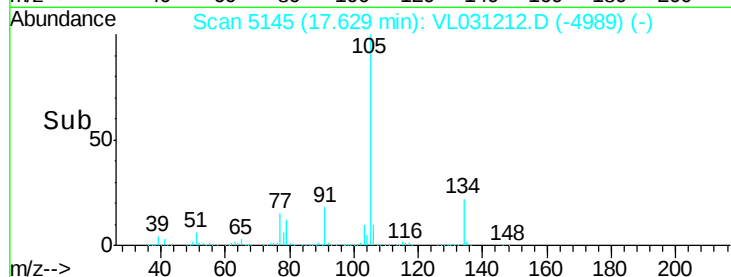
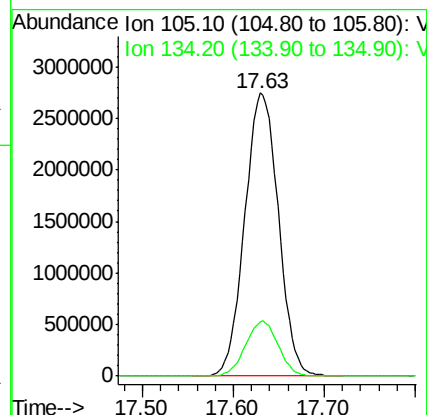
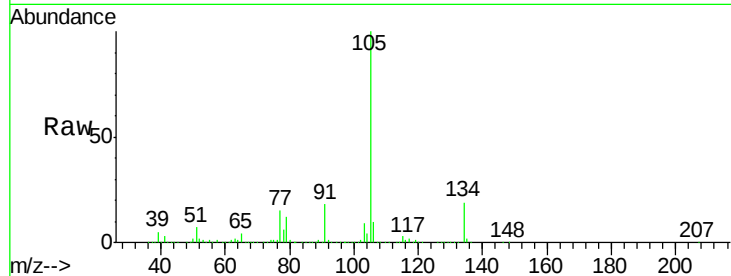




#67
 sec-Butylbenzene
 Concen: 6.95 ppbv
 RT: 17.63 min Scan# 5145
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

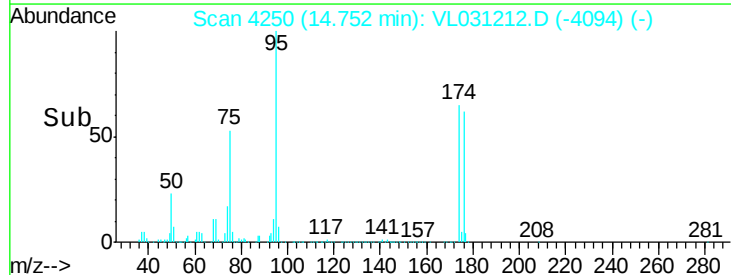
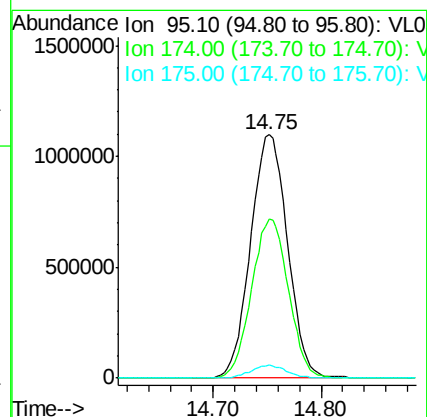
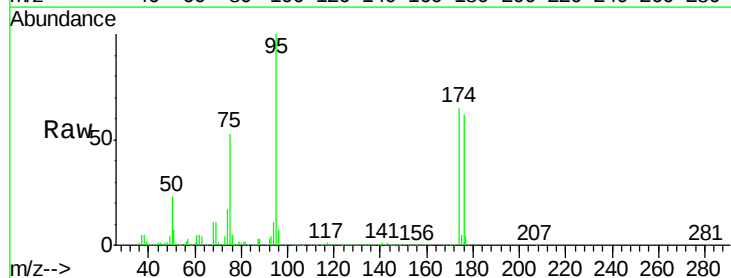
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

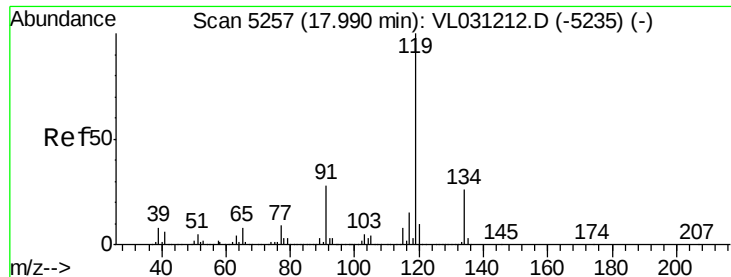
Tgt Ion: 105 Resp: 7045090
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.3 22.9



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.62 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

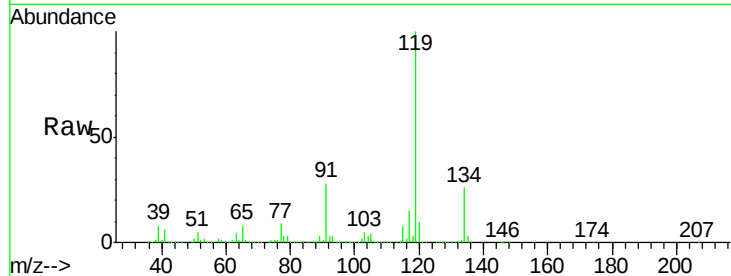




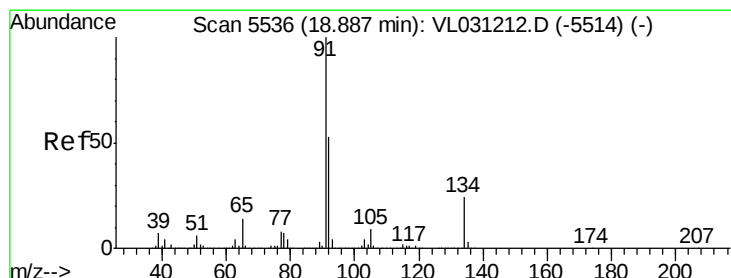
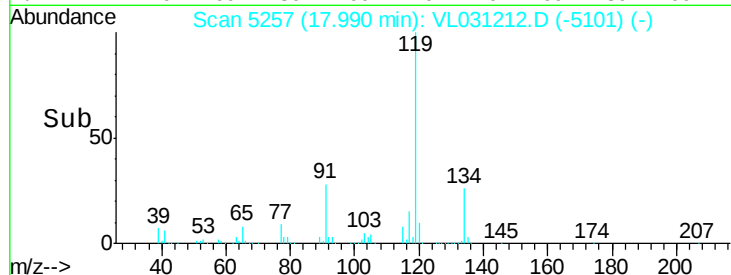
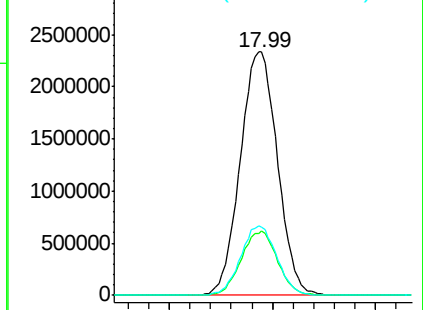
#69
p-Isopropyltoluene
Concen: 7.47 ppbv
RT: 17.99 min Scan# 5257
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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

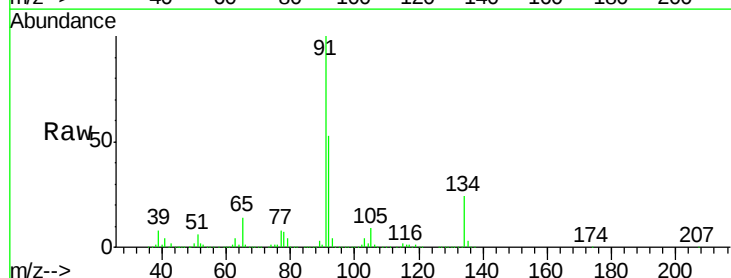


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

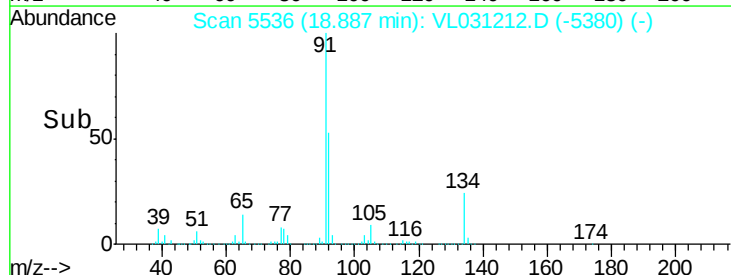
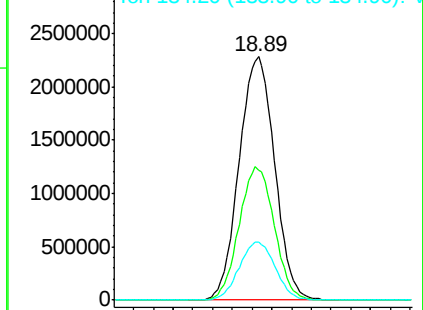


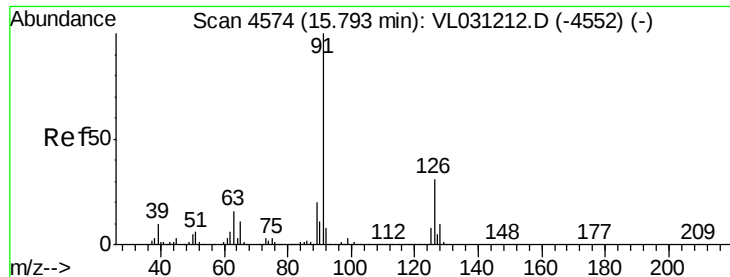
#70
n-Butylbenzene
Concen: 6.60 ppbv
RT: 18.89 min Scan# 5536
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

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: 7.25 ppbv

RT: 15.79 min Scan# 4574

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Instrument :

MSVOA_L

ClientSampleId :

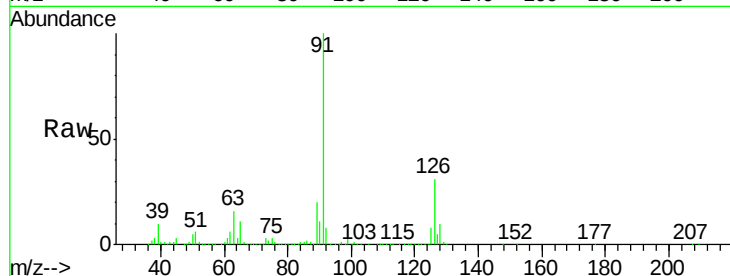
VSTDICCC010

Tgt Ion: 91 Resp: 4461727

Ion Ratio Lower Upper

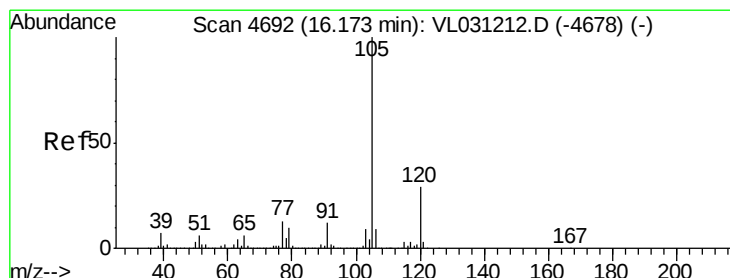
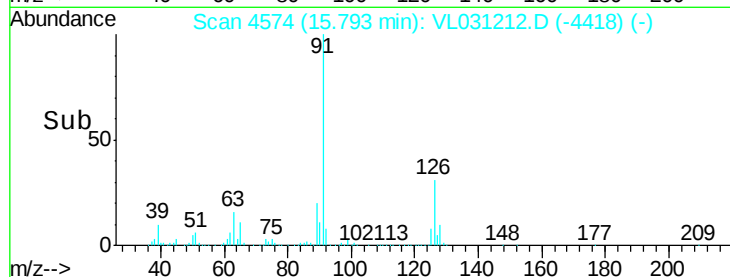
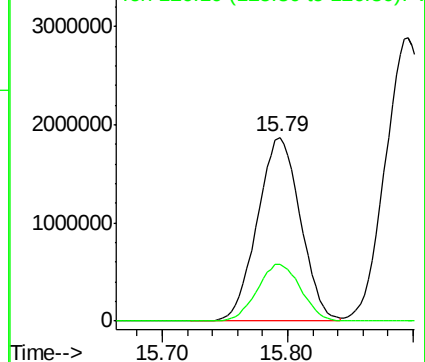
91 100

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: 7.81 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

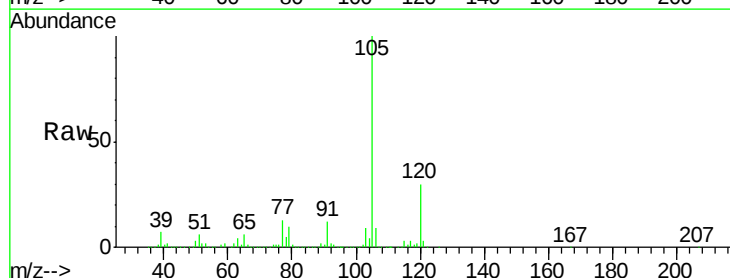
Ion Ratio Lower Upper

105 100

120 30.2 24.2 36.2

91 12.3 9.8 14.8

77 13.1 10.5 15.7

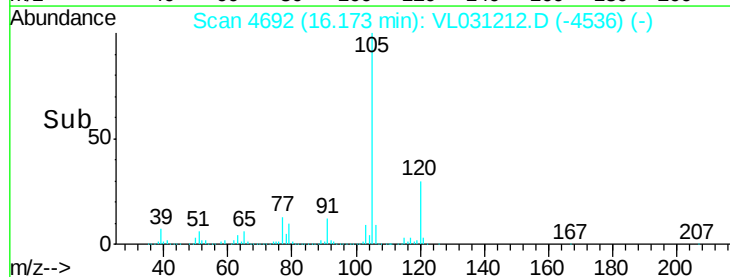
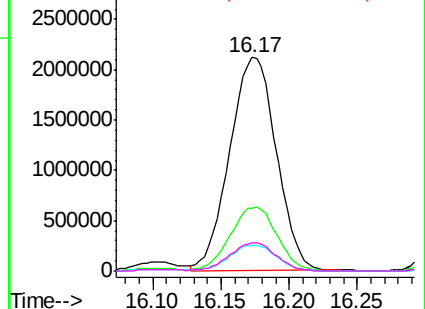


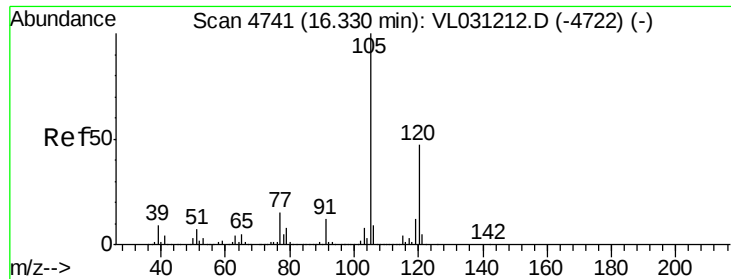
Abundance Ion 105.10 (104.80 to 105.80): V

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

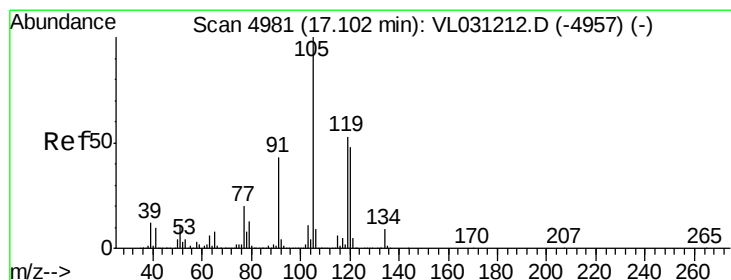
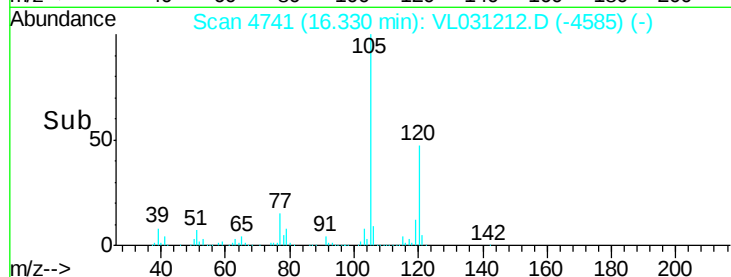
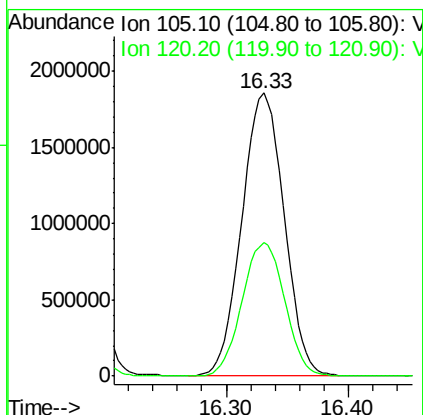
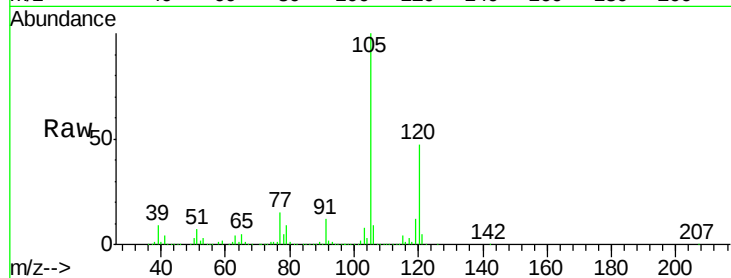




#73
 1,3,5-Trimethylbenzene
 Concen: 7.46 ppbv
 RT: 16.33 min Scan# 4741
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

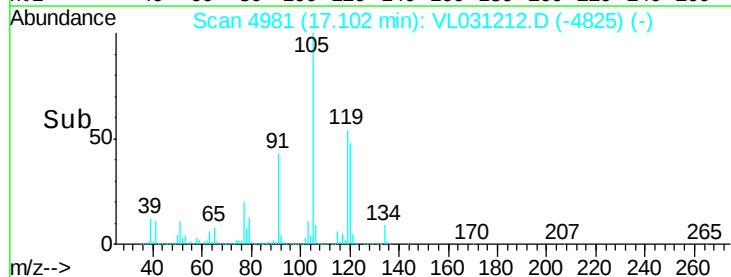
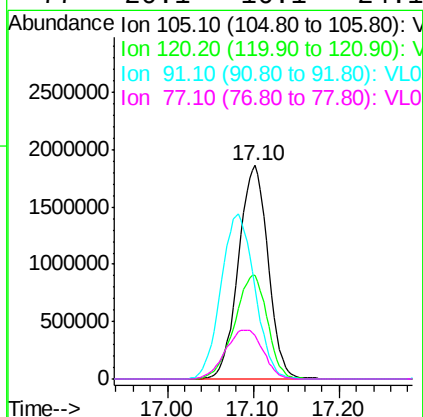
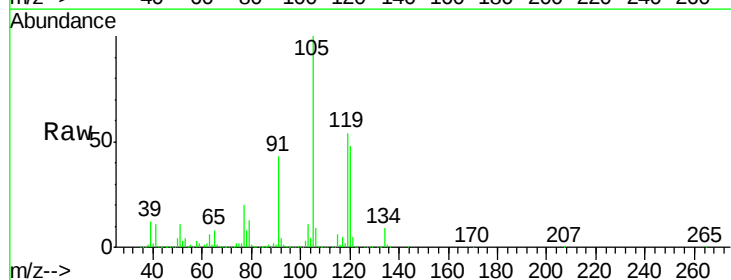
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

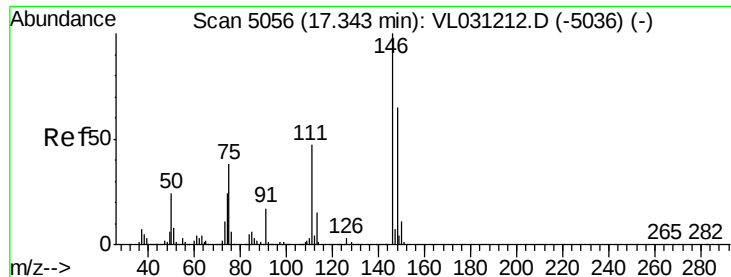
Tgt Ion:105 Resp: 4439320
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.8 56.6



#74
 1,2,4-Trimethylbenzene
 Concen: 6.78 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





#75

1,3-Dichlorobenzene

Concen: 7.00 ppbv

RT: 17.34 min Scan# 5056

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

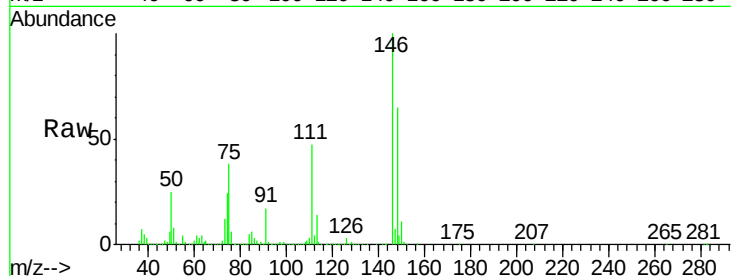
Tgt Ion:146 Resp: 2902719

Ion Ratio Lower Upper

146 100

111 45.4 22.7 68.1

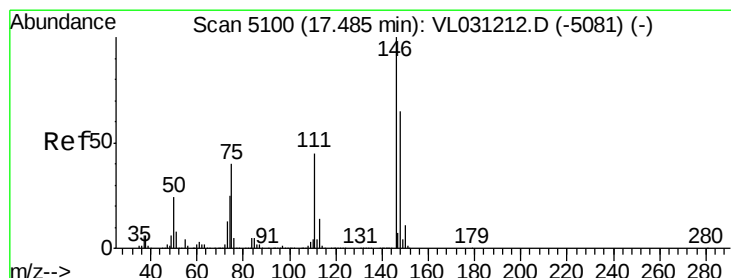
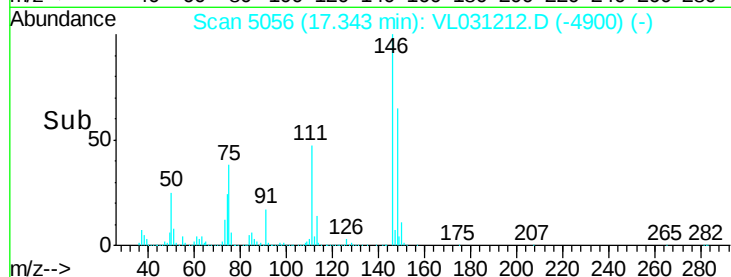
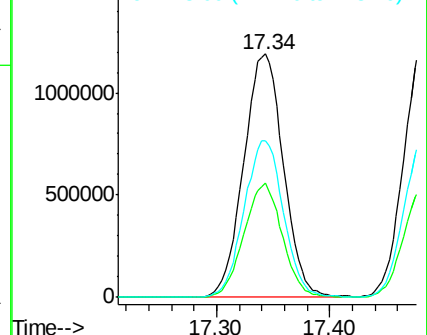
148 64.1 32.0 96.2



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



#76

1,4-Dichlorobenzene

Concen: 7.19 ppbv

RT: 17.48 min Scan# 5100

Delta R.T. 0.00 min

Lab File: VL031212.D

Acq: 13 Dec 2017 22:26

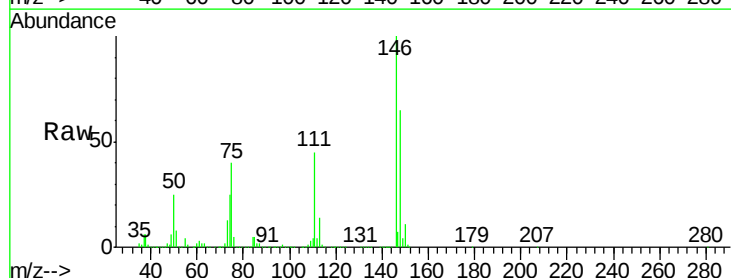
Tgt Ion:146 Resp: 2997037

Ion Ratio Lower Upper

146 100

111 44.1 22.1 66.1

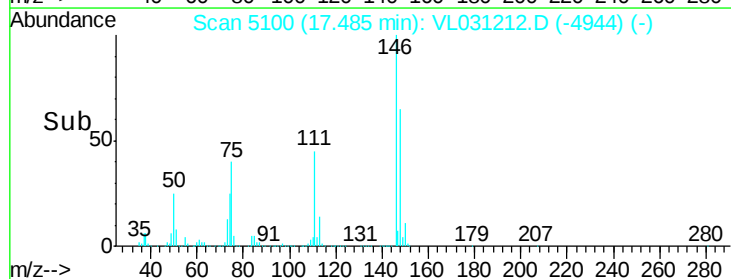
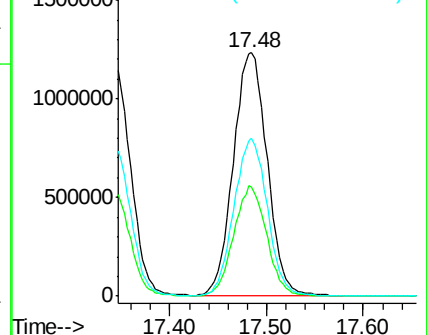
148 64.2 32.0 96.0

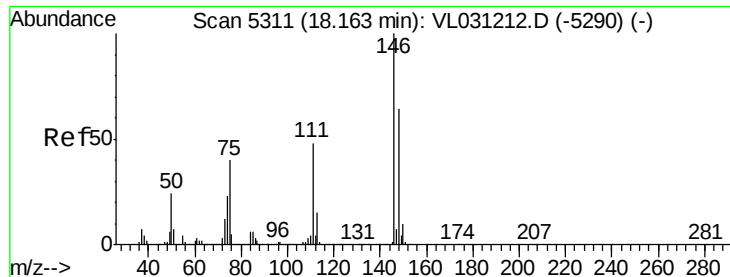


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

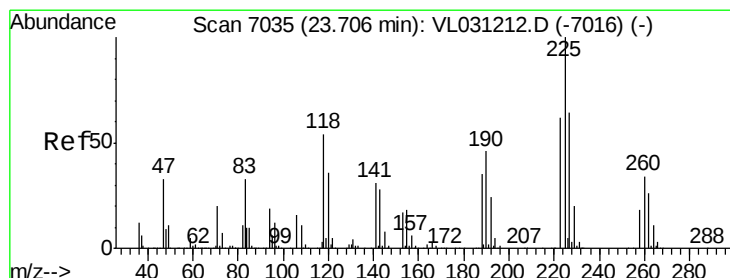
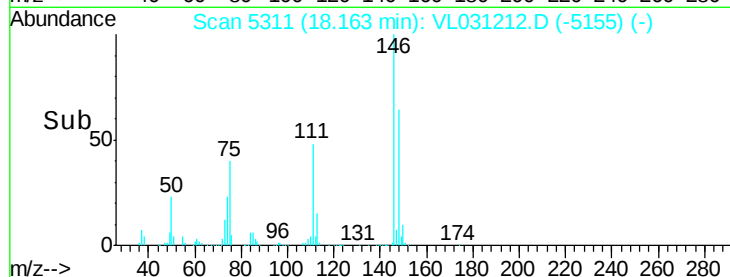
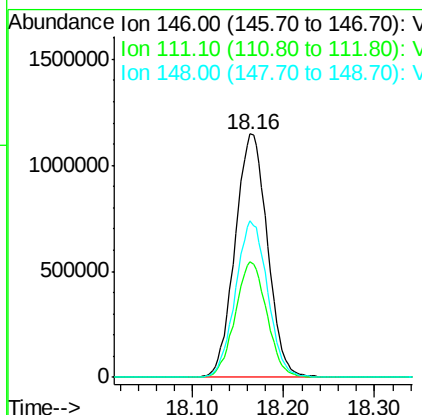
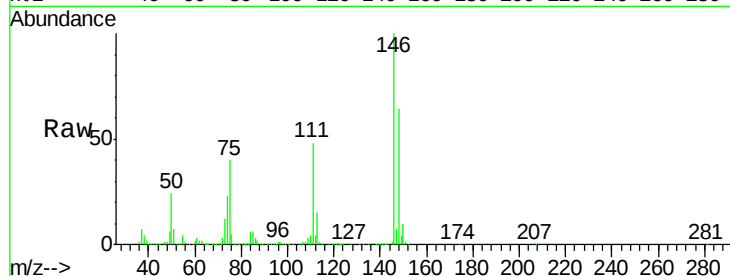




#77
 1,2-Dichlorobenzene
 Concen: 6.93 ppbv
 RT: 18.16 min Scan# 5311
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

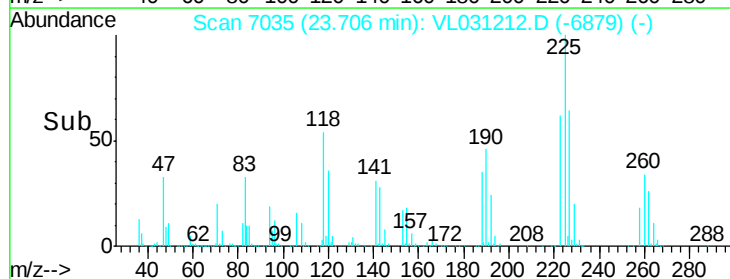
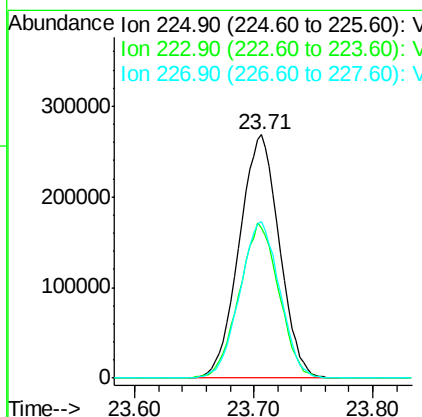
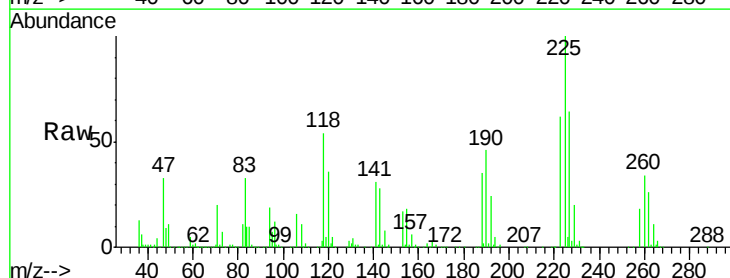
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

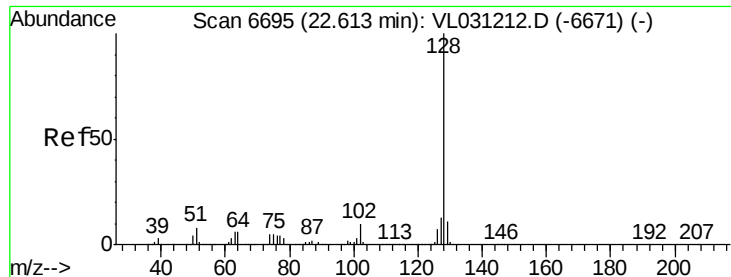
Tgt Ion:146 Resp: 2835725
 Ion Ratio Lower Upper
 146 100
 111 46.5 23.3 69.8
 148 63.7 31.9 95.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.01 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

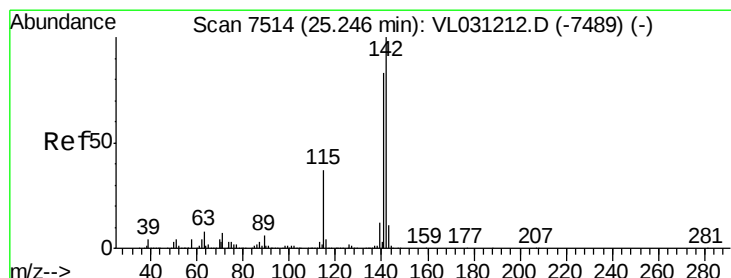
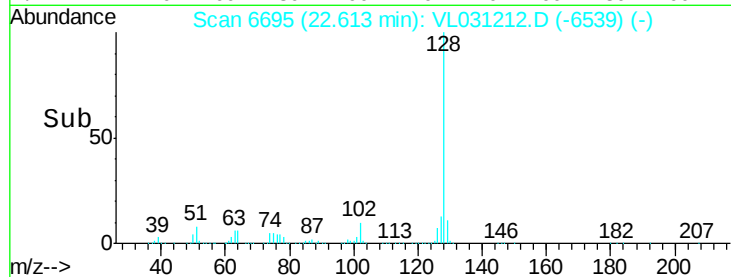
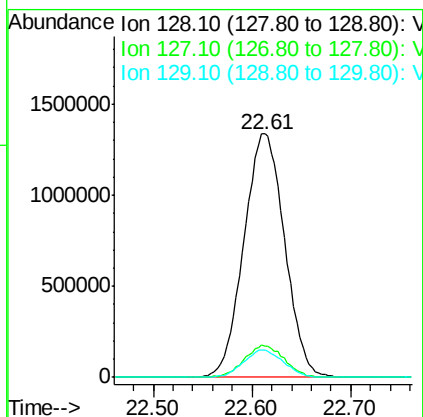
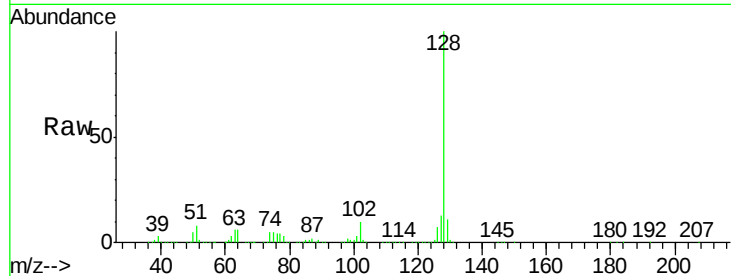




#79
Naphthalene
Concen: 8.58 ppbv
RT: 22.61 min Scan# 6695
Delta R.T. 0.00 min
Lab File: VL031212.D
Acq: 13 Dec 2017 22:26

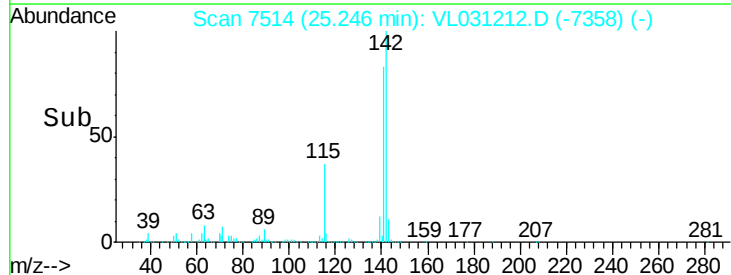
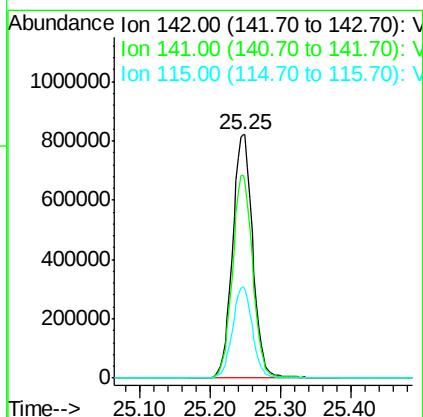
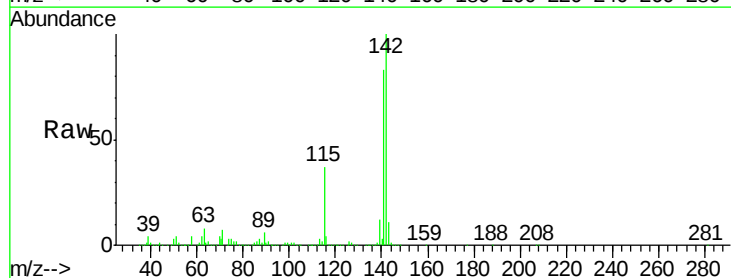
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

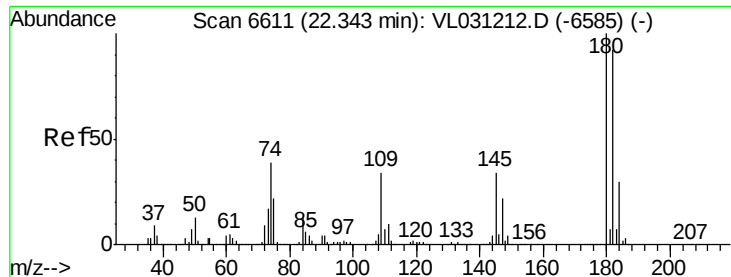
Tgt Ion:128 Resp: 3814149
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.1 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 12.64 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





#81
 1,2,4-Trichlorobenzene
 Concen: 7.90 ppbv
 RT: 22.34 min Scan# 6611
 Delta R.T. 0.00 min
 Lab File: VL031212.D
 Acq: 13 Dec 2017 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

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

