

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031236.D
 Acq On : 14 Dec 2017 17:47
 Operator : SY/AP
 Sample : I6907-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 15 05:17:33 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1464663	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3532863	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2875222	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2367061	11.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	115.70%

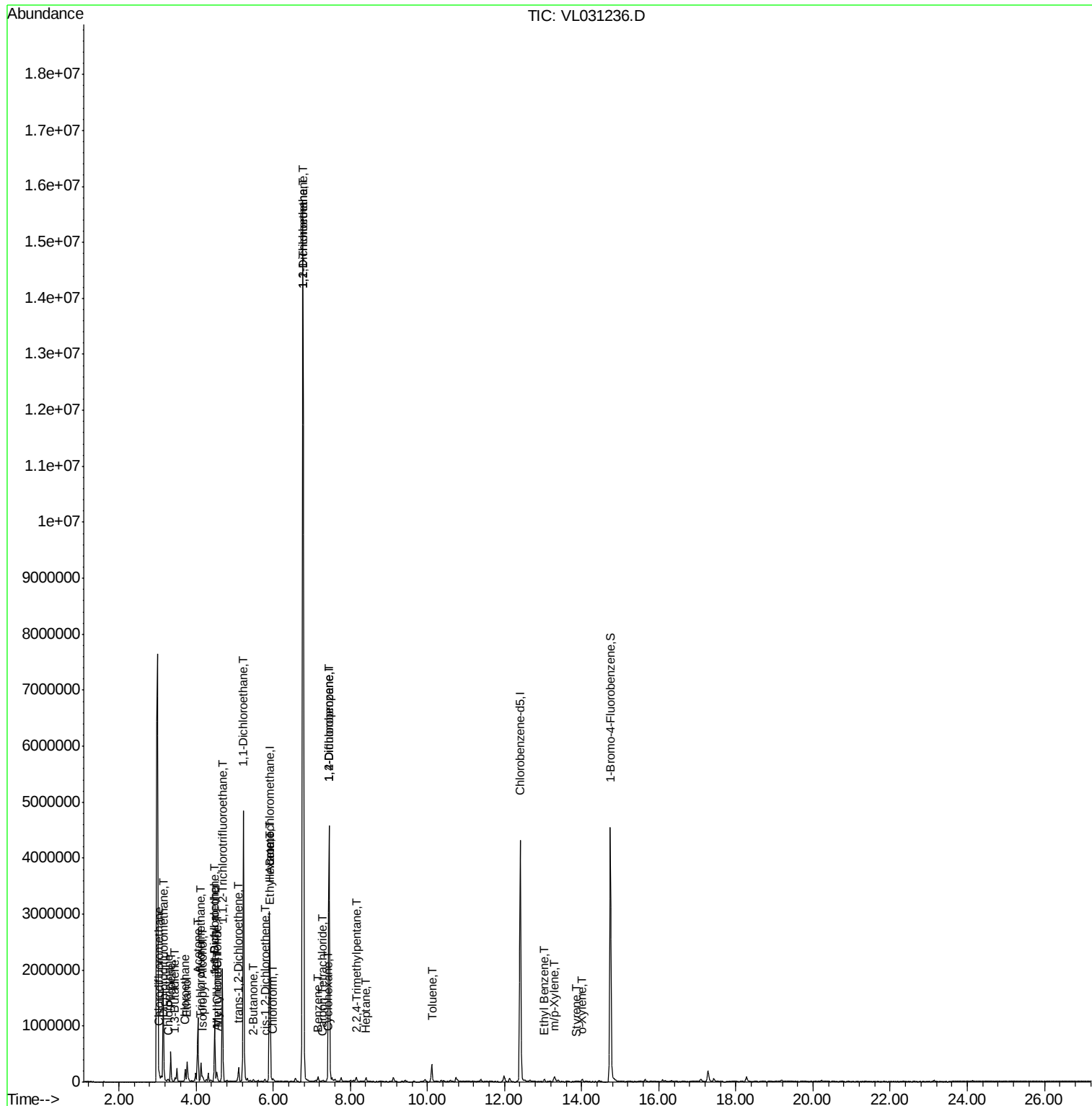
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.18	85	70568	0.570	ppbv	99
3) Chlorodifluoromethane	3.04	51	10601	0.064	ppbv	95
4) Chloromethane	3.28	50	12483	0.139	ppbv	96
7) Chloroethane	3.72	64	141713	4.113	ppbv	92
9) Propene	3.34	41	139235	1.704	ppbv	100
10) Heptane	8.41	43	33389	0.134	ppbv	99
11) Trichlorofluoromethane	4.13	101	219428	1.079	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.68	101	730720	5.128	ppbv	96
13) Ethanol	3.77	45	396966	16.839	ppbv	99
15) Acetone	4.04	43	576336	2.982	ppbv #	76
16) 1,3-Butadiene	3.46	39	7935	0.095	ppbv #	17
17) tert-Butyl alcohol	4.49	59	23442	0.216	ppbv #	73
18) 1,1-Dichloroethene	4.48	96	322840	5.058	ppbv	91
19) Isopropyl Alcohol	4.16	45	114064	0.932	ppbv #	47
20) Methylene Chloride	4.54	84	57187	0.894	ppbv	89
21) Allyl Chloride	4.56	41	4378	0.039	ppbv #	85
22) trans-1,2-Dichloroethene	5.10	96	78522	1.001	ppbv	93
24) 1,1-Dichloroethane	5.23	63	4281864	18.932	ppbv	99
25) Ethyl Acetate	5.93	43	43431	0.110	ppbv #	86
26) Hexane	5.93	57	51203	0.273	ppbv #	49
29) Chloroform	5.99	83	22154	0.088	ppbv	98
30) Cyclohexane	7.40	84	8353	0.051	ppbv #	1
31) cis-1,2-Dichloroethene	5.78	61	23454	0.138	ppbv	96
32) 1,1,1-Trichloroethane	6.77	97	11125861	41.149	ppbv	95
34) 2-Butanone	5.49	43	38777	0.155	ppbv	100
35) Carbon Tetrachloride	7.30	117	8284	0.033	ppbv	94
36) Benzene	7.16	78	54950	0.147	ppbv	94
37) 1,2-Dichloroethane	6.77	62	860813	4.167	ppbv #	1
39) 1,2-Dichloropropane	7.45	63	855649	6.464	ppbv #	27
44) 2,2,4-Trimethylpentane	8.16	57	34128	0.060	ppbv #	15
53) Toluene	10.12	91	228132	0.562	ppbv	98
58) Ethyl Benzene	13.03	91	35059	0.074	ppbv	94
59) m/p-Xylene	13.29	91	62978	0.166	ppbv #	61
60) o-Xylene	14.02	91	20141	0.053	ppbv #	45
61) Styrene	13.86	104	4492	0.041	ppbv #	85

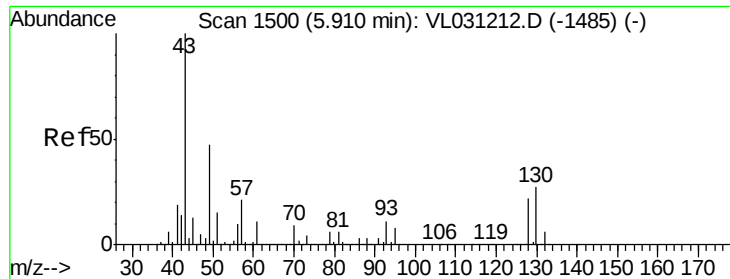
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
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Quant Time: Dec 15 05:17:33 2017
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
Qlast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.91 min Scan# 1500

Delta R.T. 0.00 min

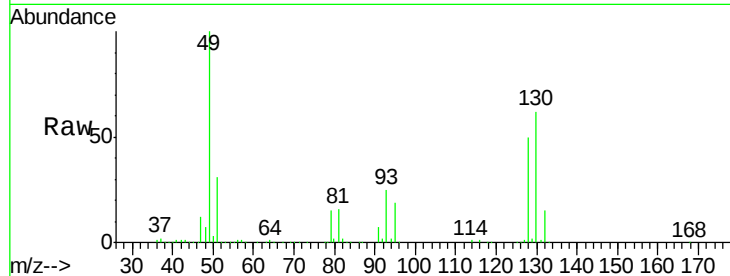
Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1464663

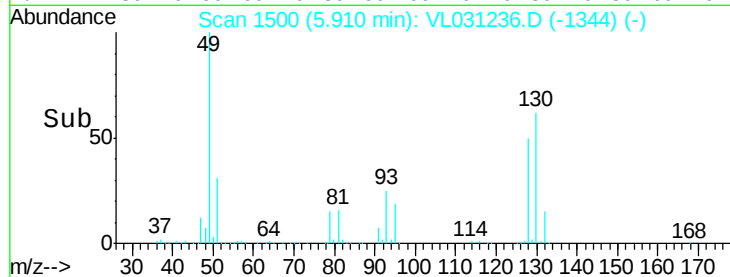
Ion	Ratio	Lower	Upper
49	100		
128	49.0	23.2	69.5
130	62.5	29.6	88.8



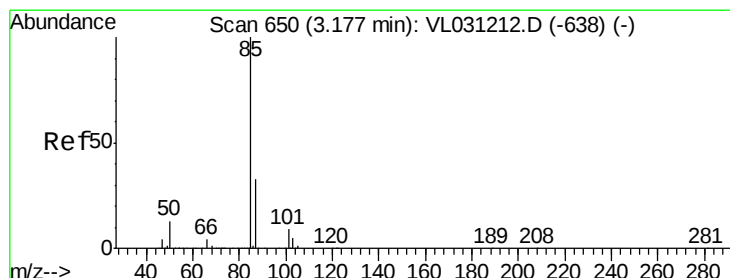
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#2

Dichlorodifluoromethane

Concen: 0.570 ppbv

RT: 3.18 min Scan# 651

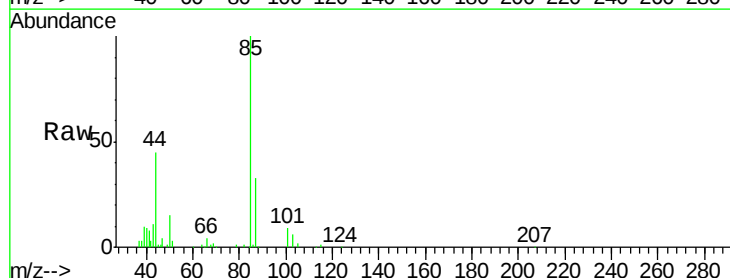
Delta R.T. 0.00 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

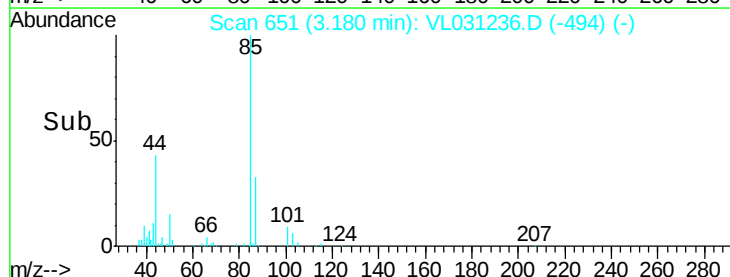
Tgt Ion: 85 Resp: 70568

Ion	Ratio	Lower	Upper
85	100		
87	33.3	26.2	39.2

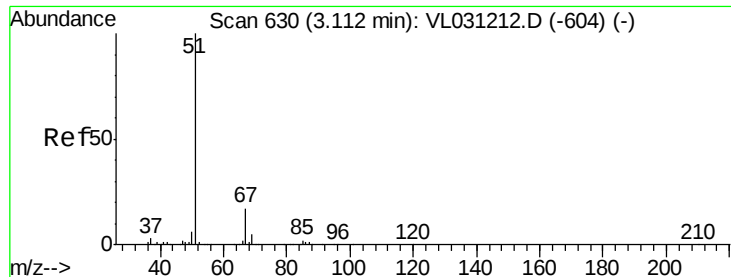


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 0.064 ppbv

RT: 3.04 min Scan# 609

Delta R.T. -0.07 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :

MSVOA_L

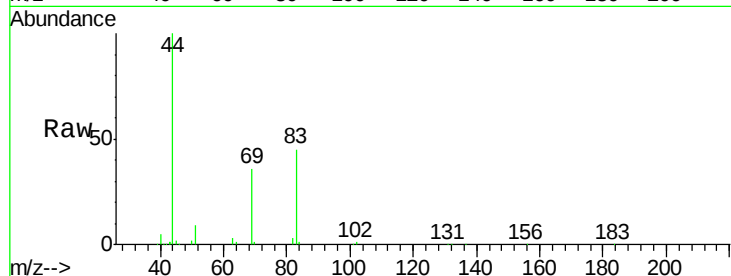
ClientSampleId :

Tot Ion: 51 Resp: 10601

Ion Ratio Lower Upper

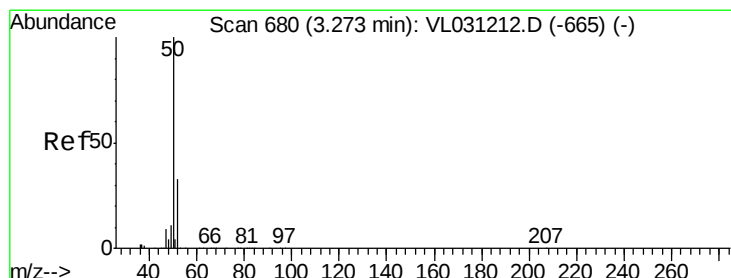
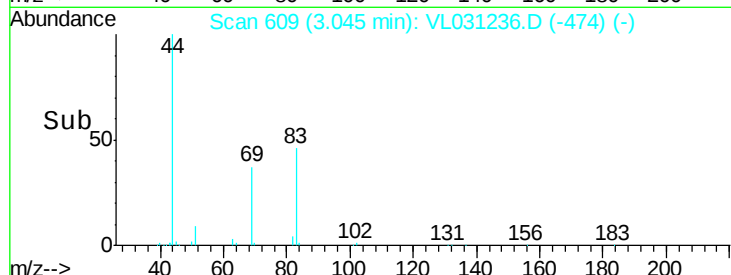
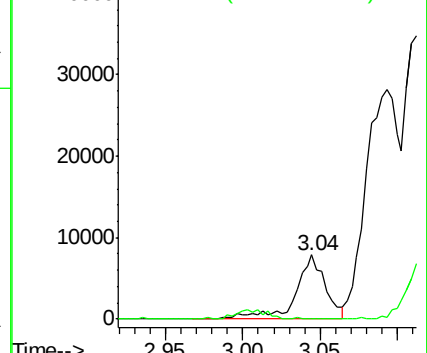
51 100

67 15.2 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: 0.139 ppbv

RT: 3.28 min Scan# 682

Delta R.T. 0.01 min

Lab File: VL031236.D

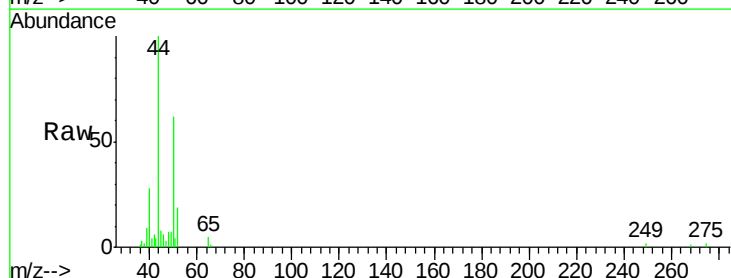
Acq: 14 Dec 2017 17:47

Tgt Ion: 50 Resp: 12483

Ion Ratio Lower Upper

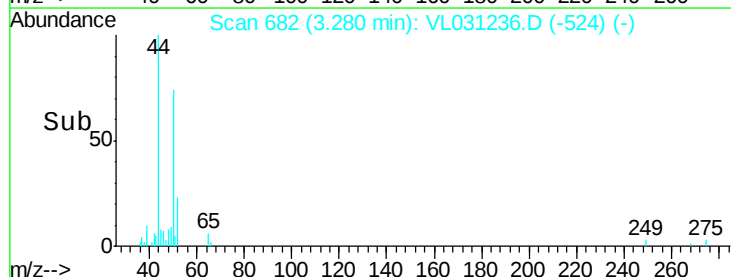
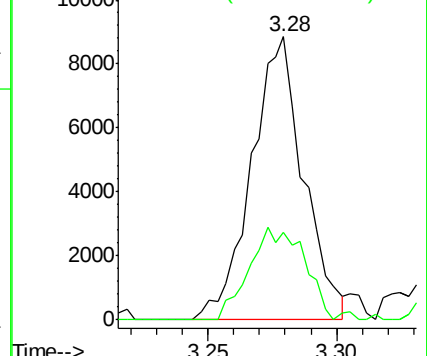
50 100

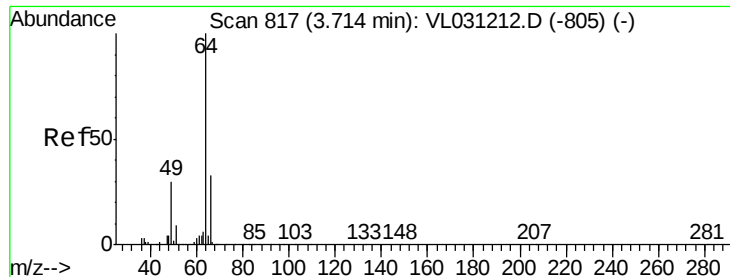
52 31.1 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 4.113 ppbv

RT: 3.72 min Scan# 819

Delta R.T. 0.01 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :

MSVOA_L

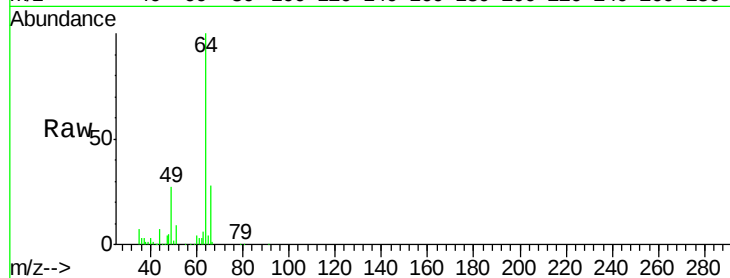
ClientSampleId :

Tot Ion: 64 Resp: 141713

Ion Ratio Lower Upper

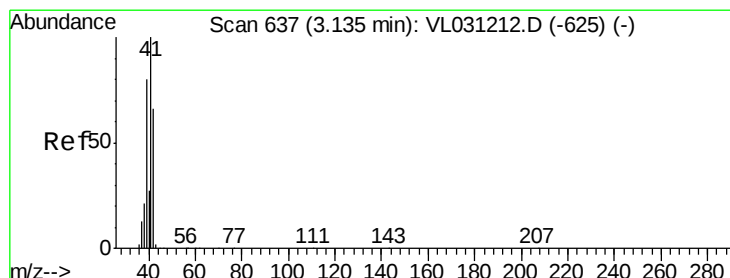
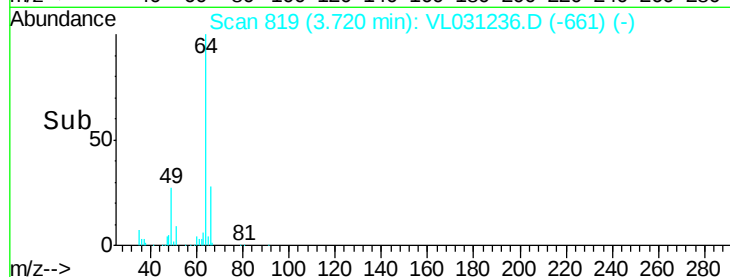
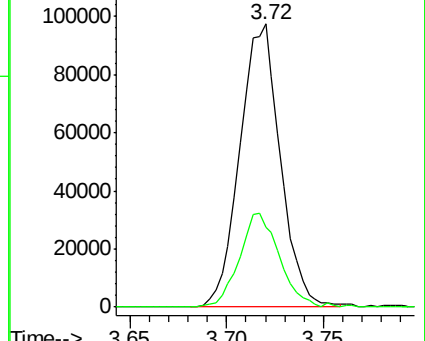
64 100

66 28.2 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 1.704 ppbv

RT: 3.34 min Scan# 702

Delta R.T. 0.21 min

Lab File: VL031236.D

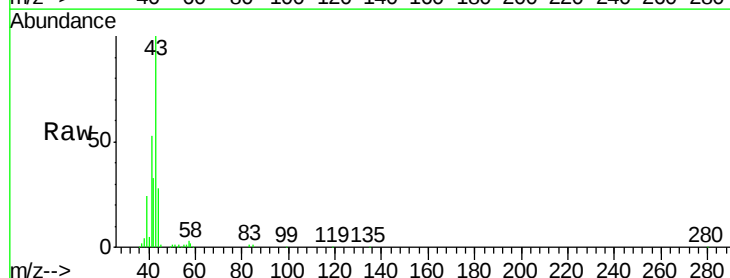
Acq: 14 Dec 2017 17:47

Tgt Ion: 41 Resp: 139235

Ion Ratio Lower Upper

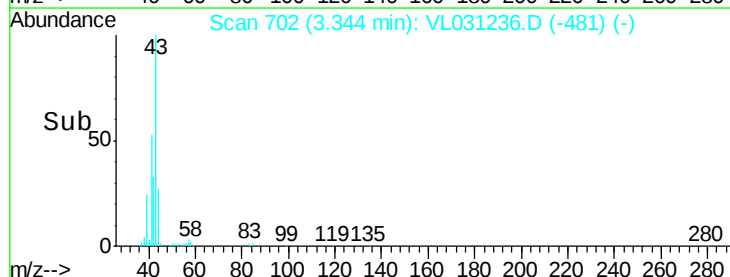
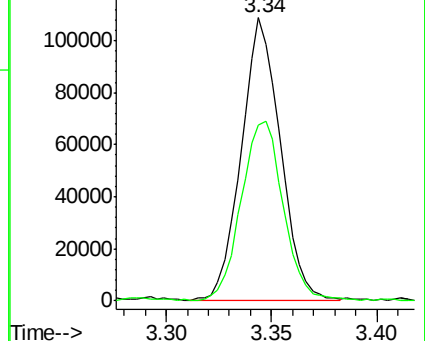
41 100

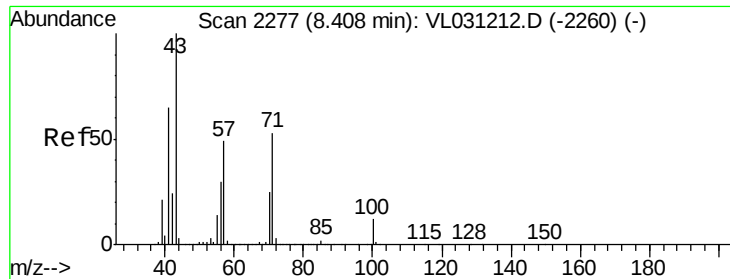
42 68.0 54.3 81.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.134 ppbv

RT: 8.41 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :

MSVOA_L

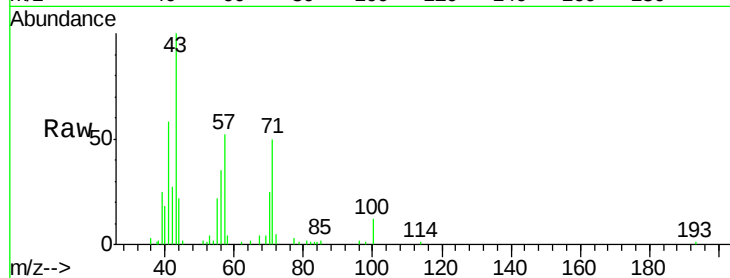
ClientSampleId :

Tot Ion: 43 Resp: 33389

Ion Ratio Lower Upper

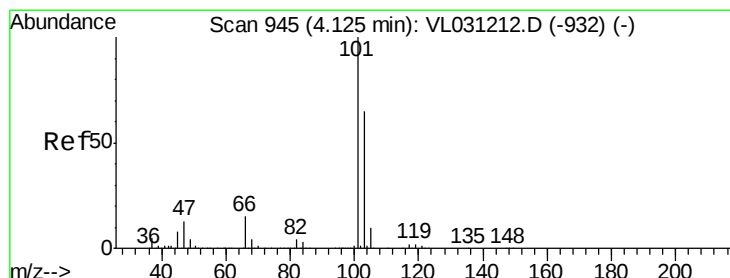
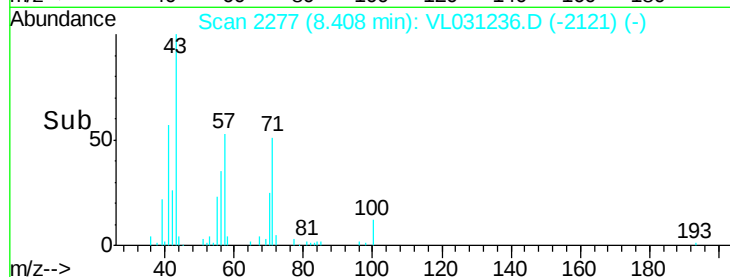
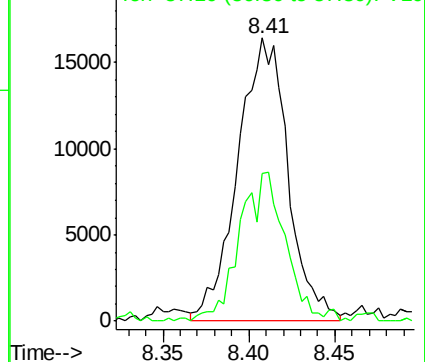
43 100

57 49.1 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: 1.079 ppbv

RT: 4.13 min Scan# 946

Delta R.T. 0.00 min

Lab File: VL031236.D

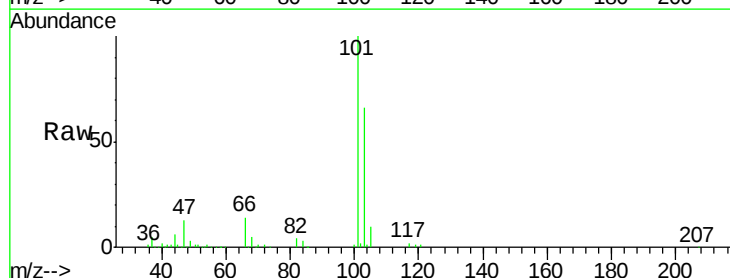
Acq: 14 Dec 2017 17:47

Tgt Ion:101 Resp: 219428

Ion Ratio Lower Upper

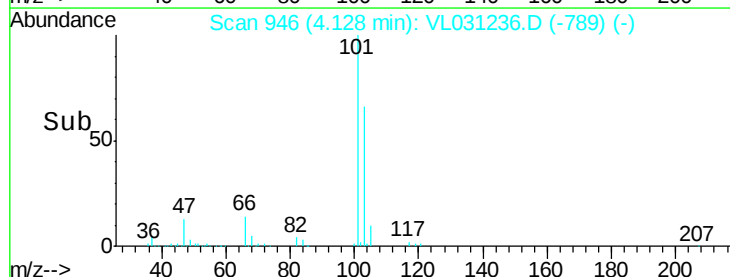
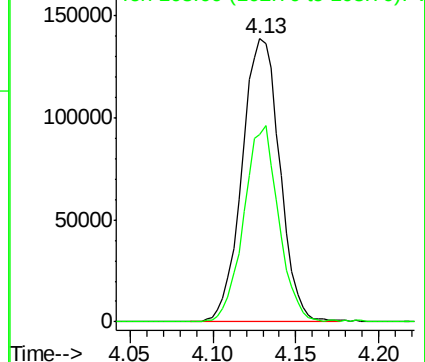
101 100

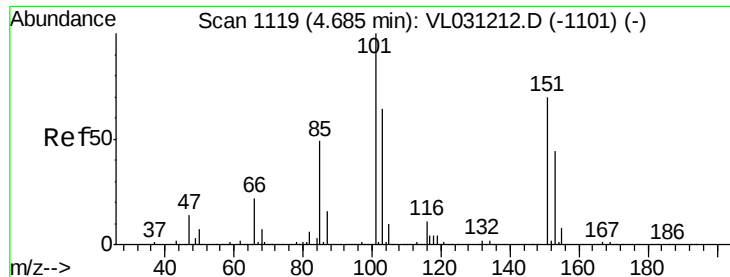
103 66.3 51.8 77.8



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: 5.128 ppbv

RT: 4.68 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :

MSVOA_L

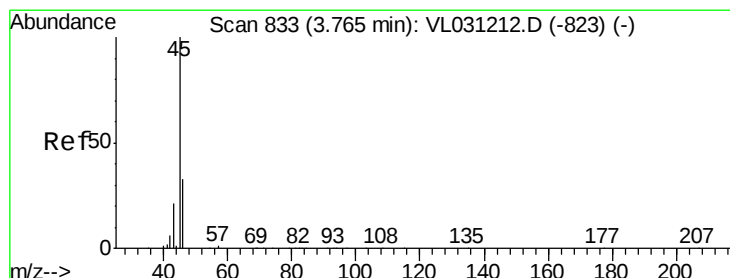
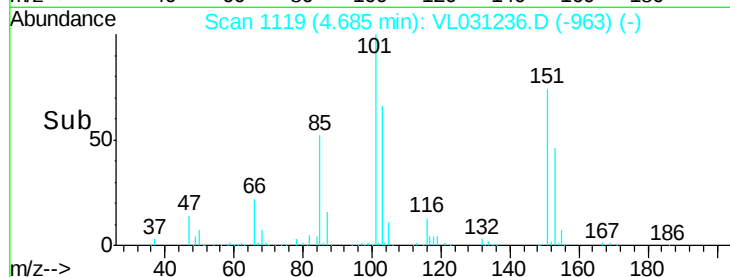
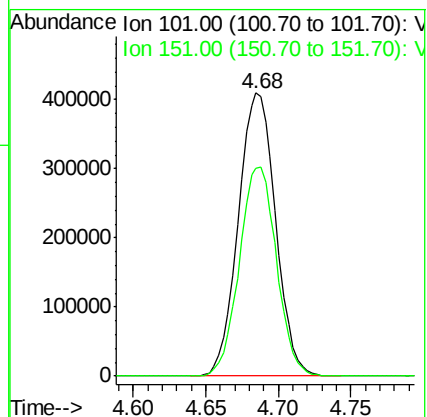
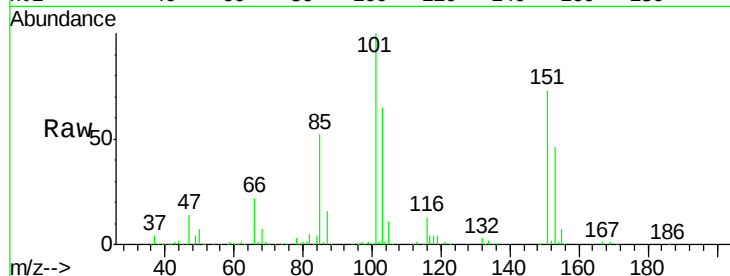
ClientSampleId :

Tot Ion:101 Resp: 730720

Ion Ratio Lower Upper

101 100

151 73.7 56.5 84.7



#13

Ethanol

Concen: 16.839 ppbv

RT: 3.77 min Scan# 834

Delta R.T. 0.00 min

Lab File: VL031236.D

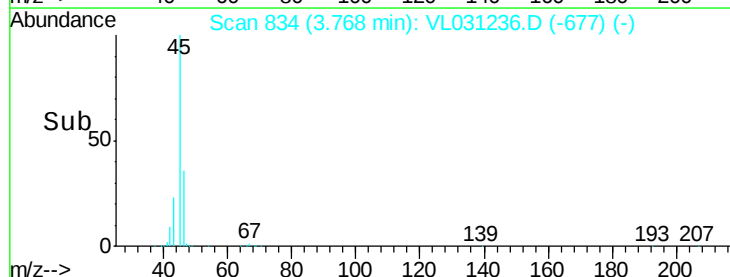
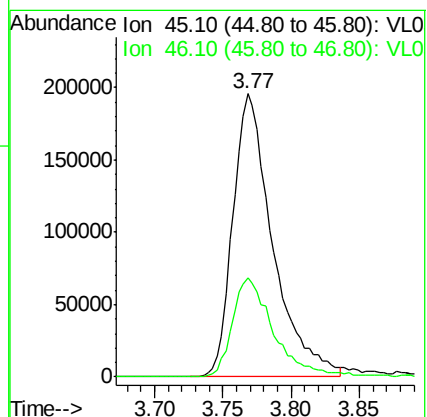
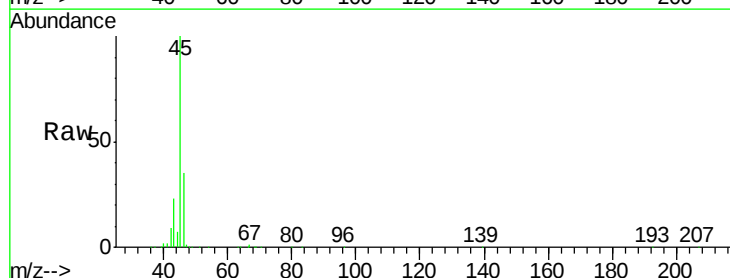
Acq: 14 Dec 2017 17:47

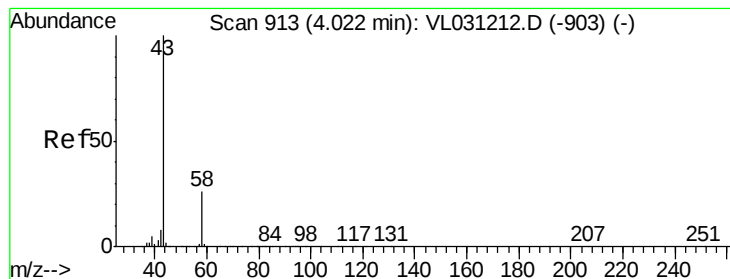
Tgt Ion: 45 Resp: 396966

Ion Ratio Lower Upper

45 100

46 37.0 14.6 58.4





#15

Acetone

Concen: 2.982 ppbv

RT: 4.04 min Scan# 920

Delta R.T. 0.02 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :

MSVOA_L

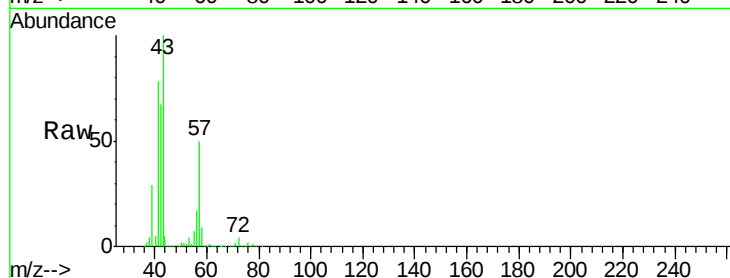
ClientSampleId :

Tot Ion: 43 Resp: 576336

Ion Ratio Lower Upper

43 100

58 13.3 20.3 30.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

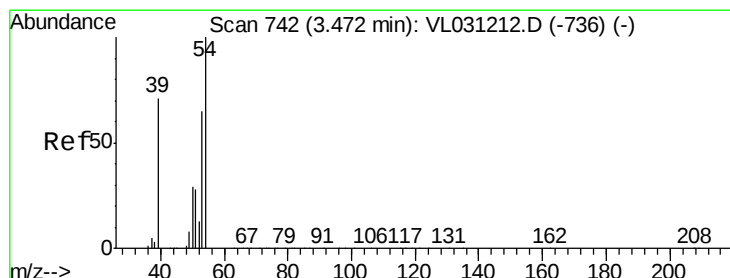
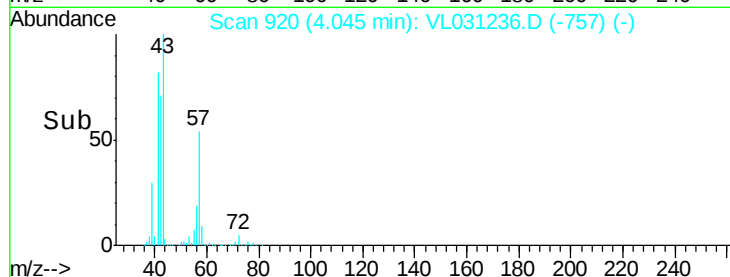
300000

200000

100000

0

Time--> 3.95 4.00 4.05 4.10



#16

1,3-Butadiene

Concen: 0.095 ppbv

RT: 3.46 min Scan# 737

Delta R.T. -0.02 min

Lab File: VL031236.D

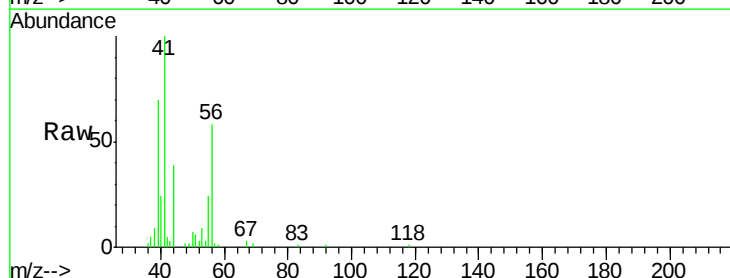
Acq: 14 Dec 2017 17:47

Tgt Ion: 39 Resp: 7935

Ion Ratio Lower Upper

39 100

54 8.4 66.4 99.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.46

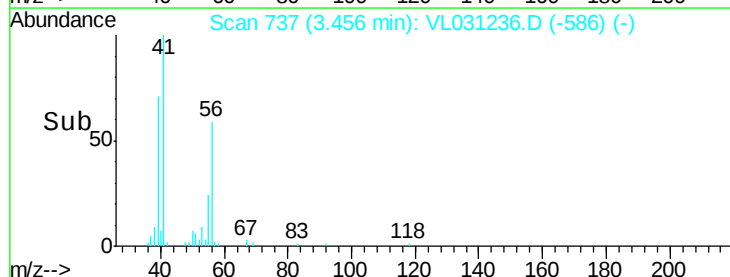
15000

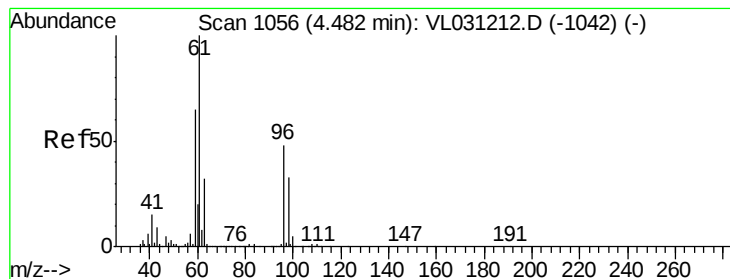
10000

5000

0

Time--> 3.44 3.46 3.48





#17

tert-Butyl alcohol

Concen: 0.216 ppbv

RT: 4.49 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :

MSVOA_L

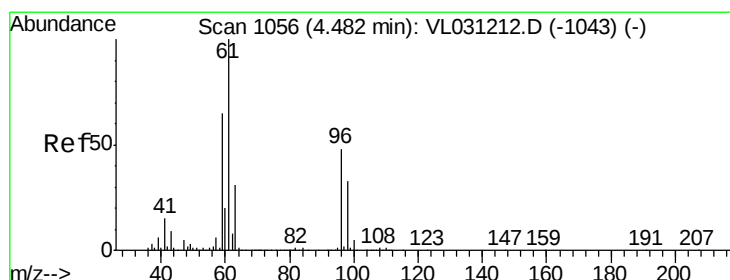
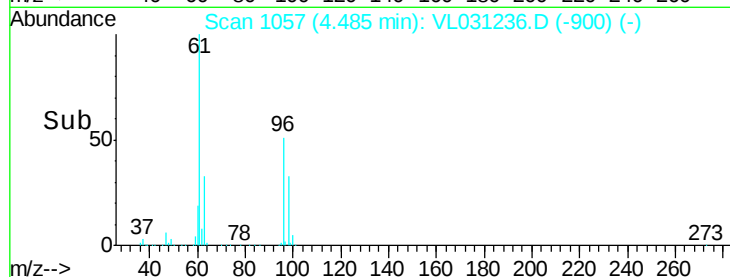
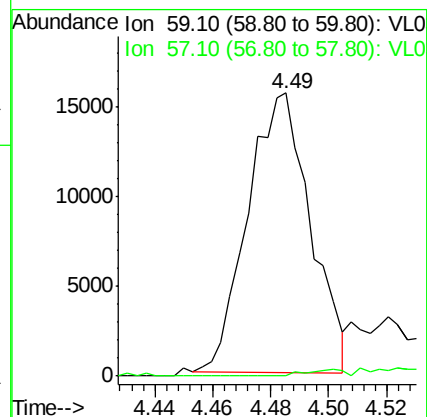
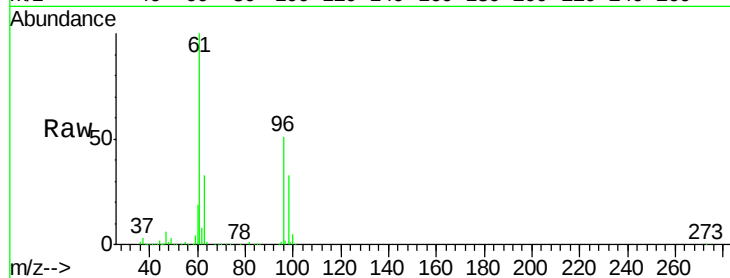
ClientSampleId :

Tot Ion: 59 Resp: 23442

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#18

1,1-Dichloroethene

Concen: 5.058 ppbv

RT: 4.48 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

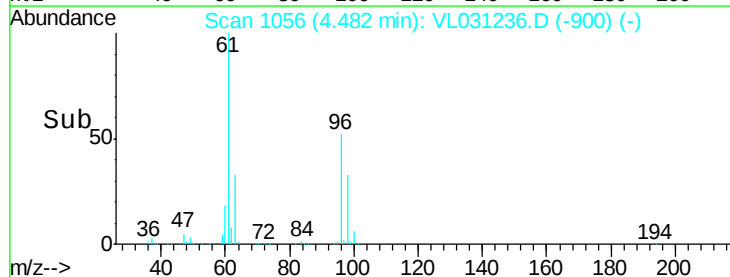
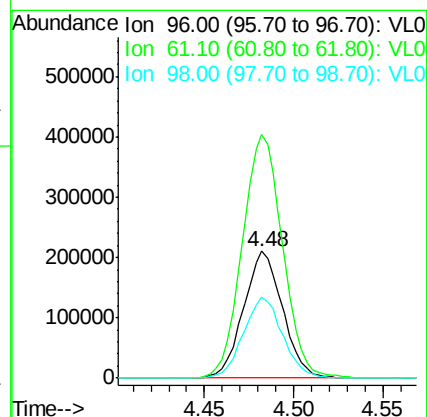
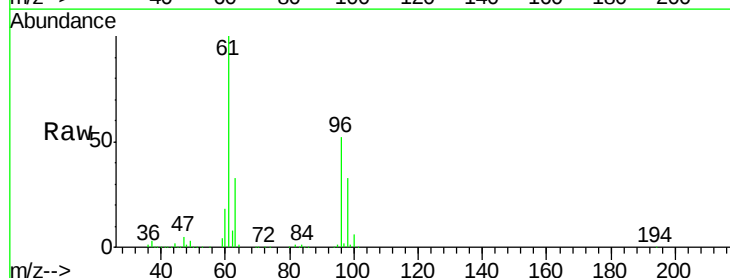
Tgt Ion: 96 Resp: 322840

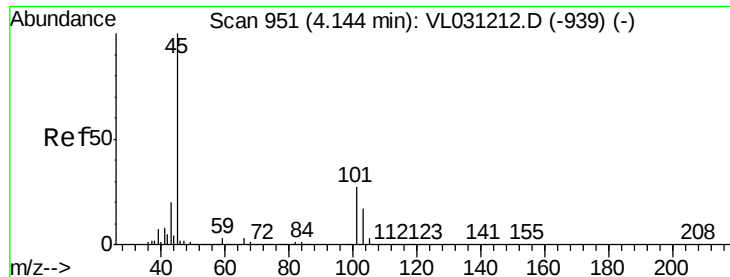
Ion Ratio Lower Upper

96 100

61 192.3 166.8 250.2

98 64.2 55.0 82.6





#19

Isopropyl Alcohol

Concen: 0.932 ppbv

RT: 4.16 min Scan# 957

Delta R.T. 0.02 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :

MSVOA_L

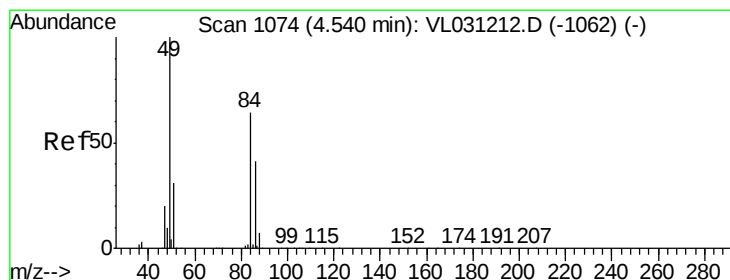
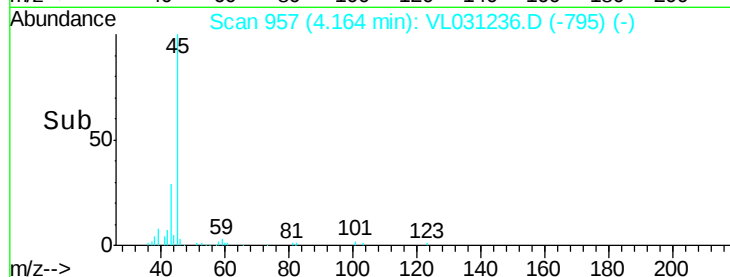
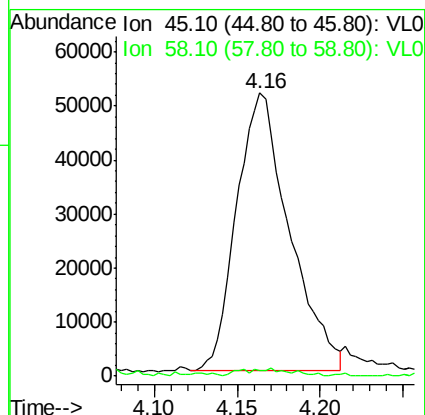
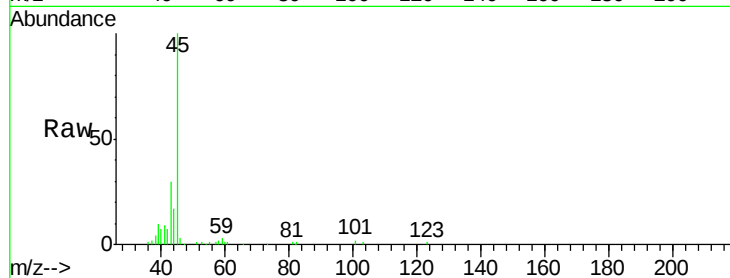
ClientSampled :

Tot Ion: 45 Resp: 114064

Ion Ratio Lower Upper

45 100

58 3.4 27.2 40.8#



#20

Methylene Chloride

Concen: 0.894 ppbv

RT: 4.54 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Tgt Ion: 84 Resp: 57187

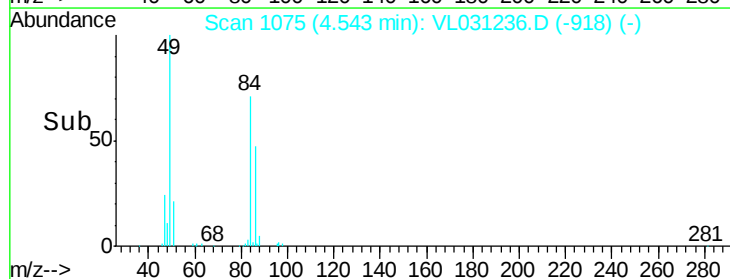
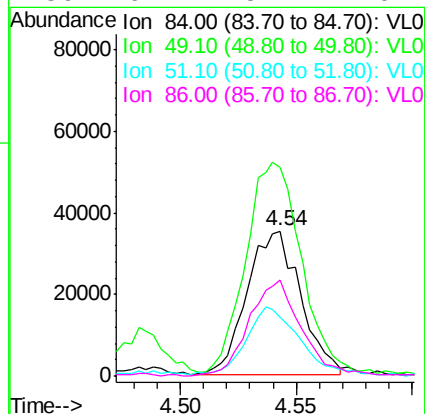
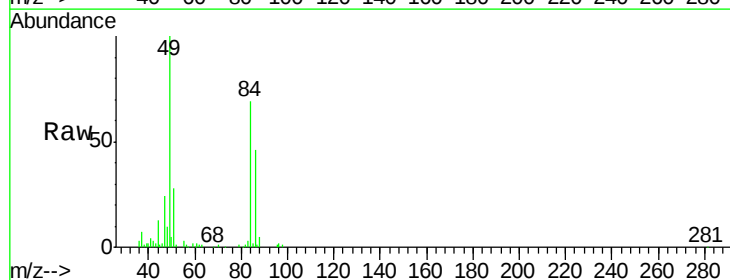
Ion Ratio Lower Upper

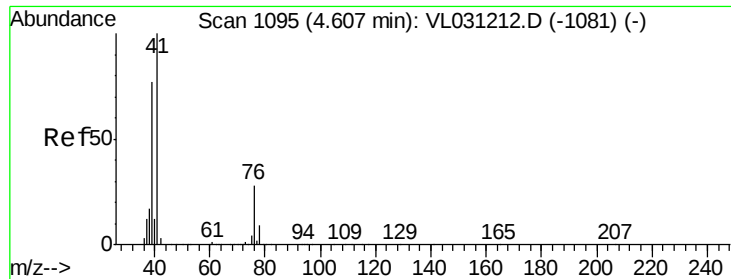
84 100

49 141.1 125.8 188.6

51 40.1 39.3 58.9

86 67.2 51.1 76.7

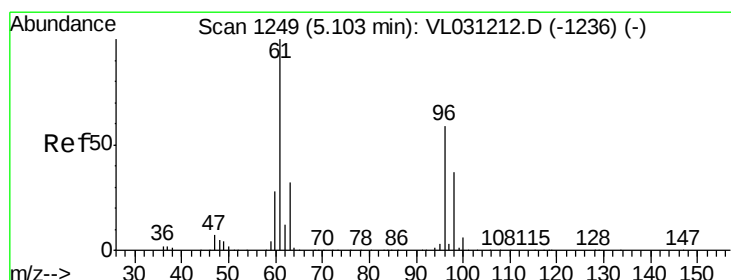
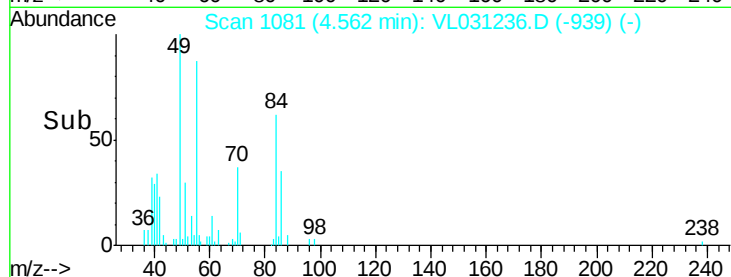
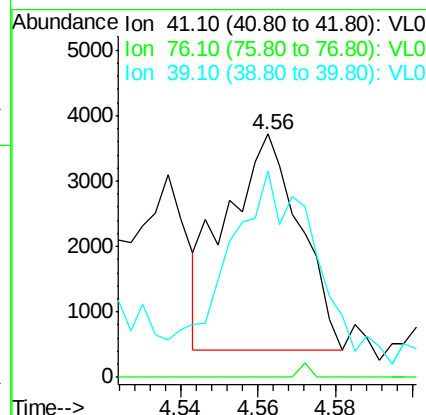
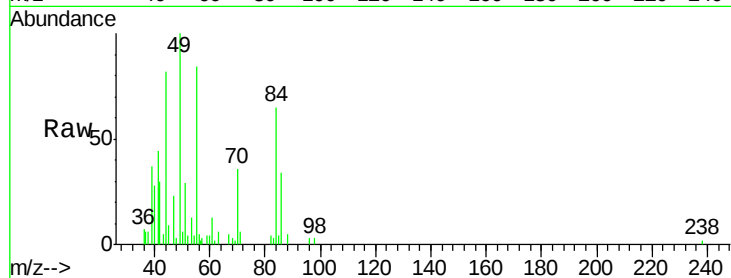




#21
Allvl Chloride
Concen: 0.039 ppbv
RT: 4.56 min Scan# 1081
Delta R.T. -0.04 min
Lab File: VL031236.D
Acq: 14 Dec 2017 17:47

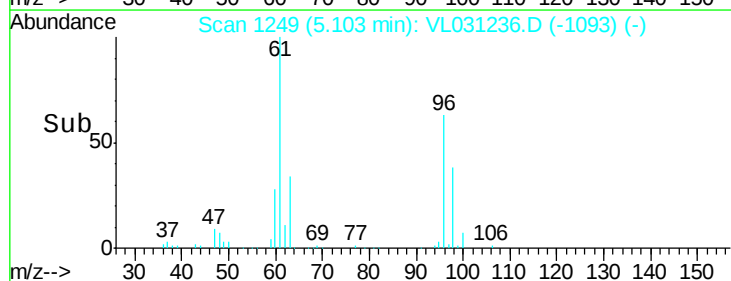
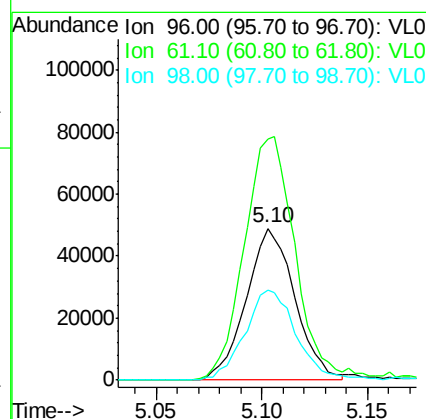
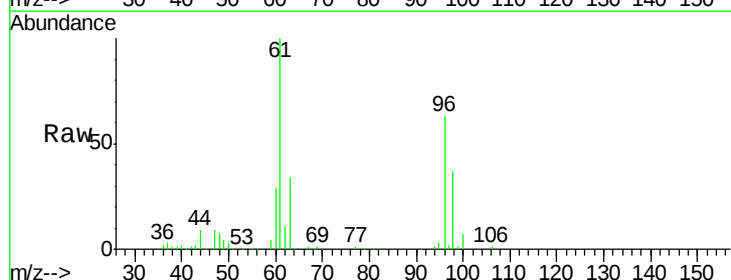
Instrument :
MSVOA_L
ClientSampleId :

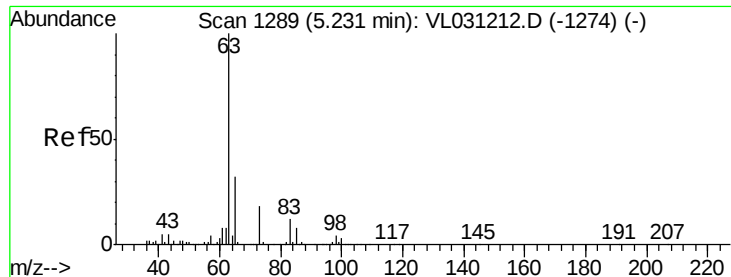
Tot Ion: 41 Resp: 4378
Ion Ratio Lower Upper
41 100
76 0.0 22.9 34.3#
39 79.3 62.6 93.8



#22
trans-1,2-Dichloroethene
Concen: 1.001 ppbv
RT: 5.10 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VL031236.D
Acq: 14 Dec 2017 17:47

Tgt Ion: 96 Resp: 78522
Ion Ratio Lower Upper
96 100
61 158.8 135.0 202.4
98 58.8 50.5 75.7





#24

1,1-Dichloroethane

Concen: 18.932 ppbv

RT: 5.23 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :

MSVOA_L

ClientSampleId :

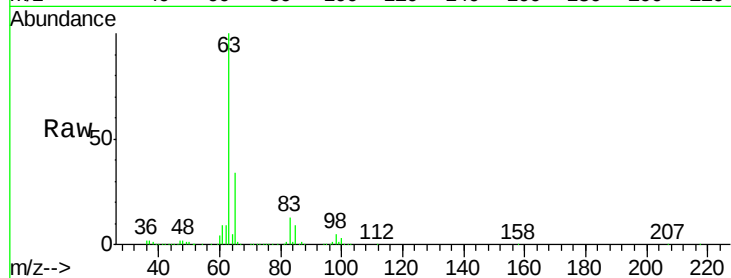
Tot Ion: 63 Resp: 4281864

Ion Ratio Lower Upper

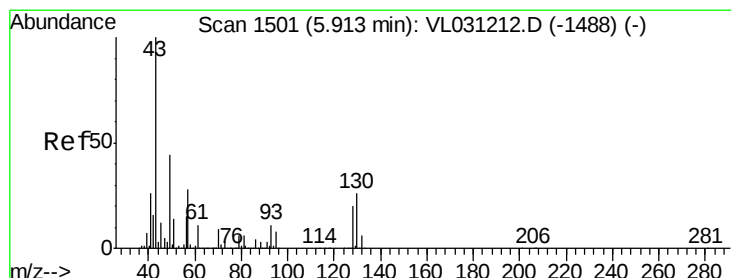
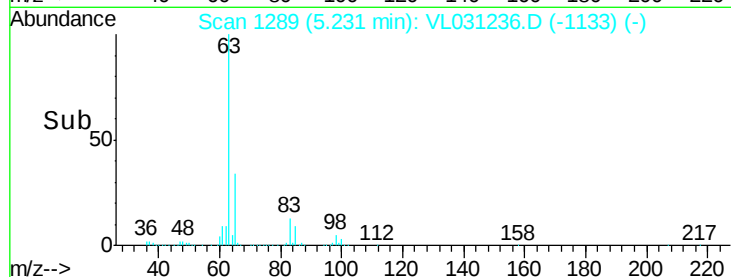
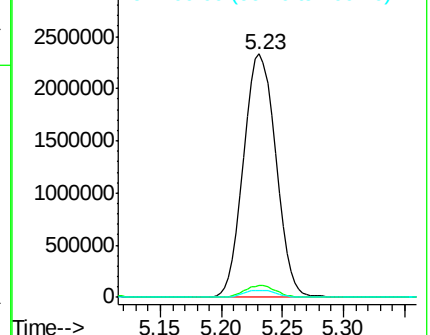
63 100

98 4.7 2.3 6.8

100 3.1 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: 0.110 ppbv

RT: 5.93 min Scan# 1506

Delta R.T. 0.02 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Tgt Ion: 43 Resp: 43431

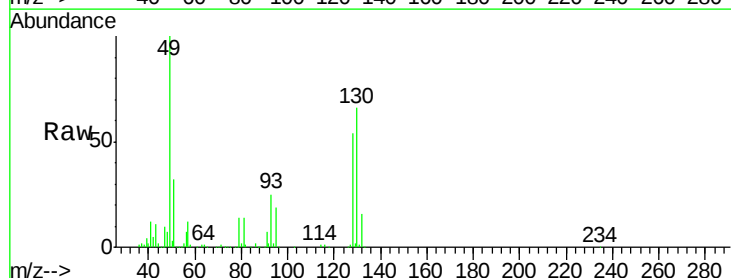
Ion Ratio Lower Upper

43 100

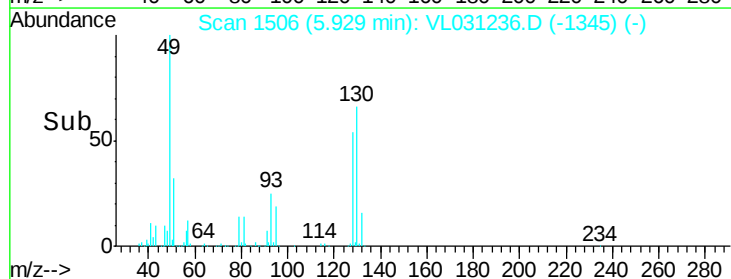
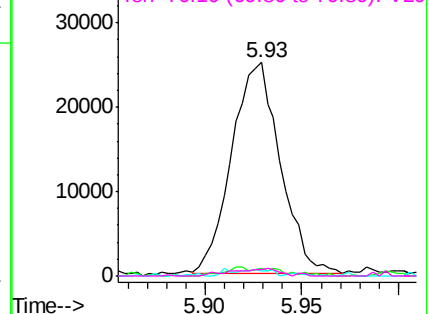
45 4.7 8.0 12.0#

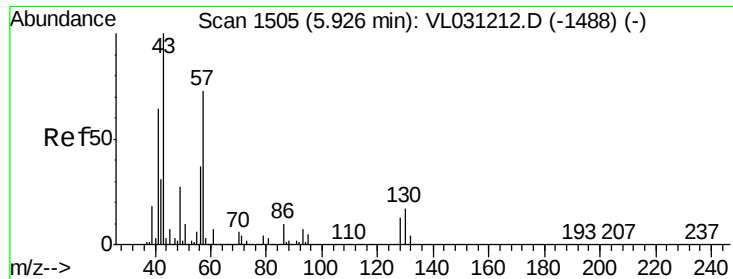
61 3.4 7.4 11.0#

70 3.6 5.8 8.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

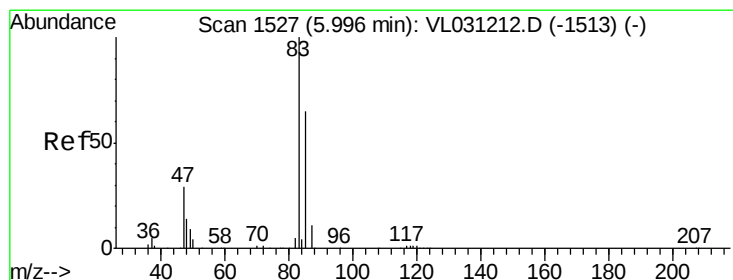
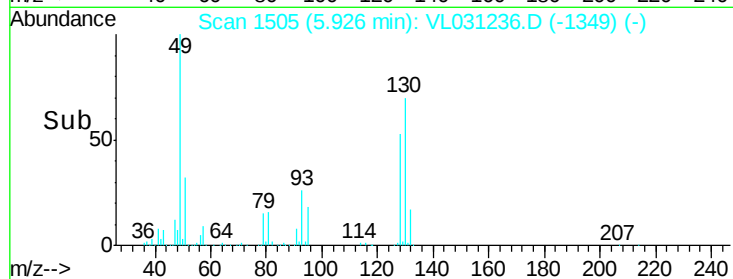
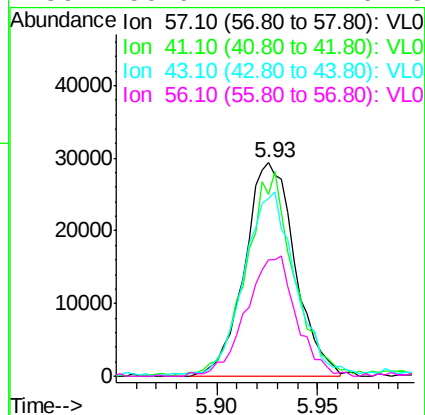
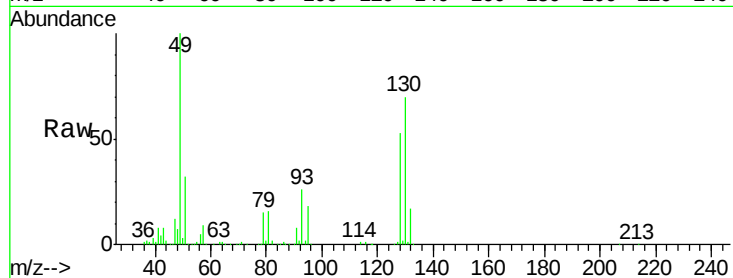




#26
Hexane
Concen: 0.273 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL031236.D
Acq: 14 Dec 2017 17:47

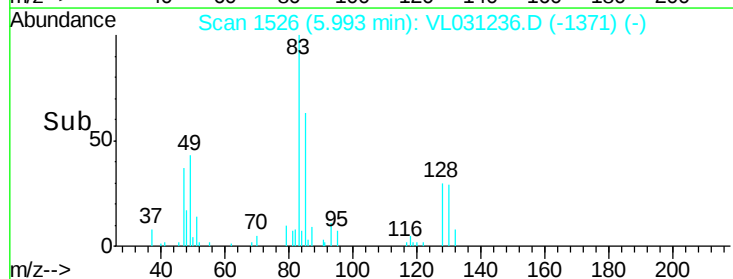
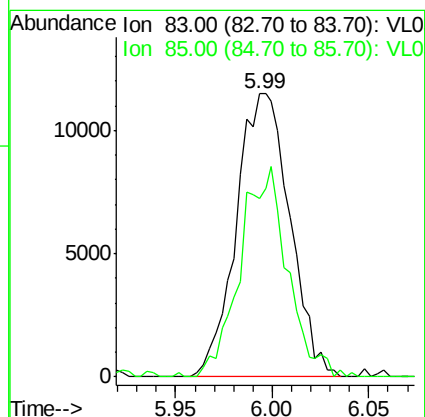
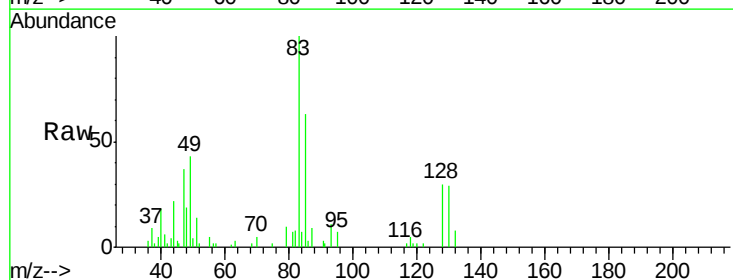
Instrument :
MSVOA_L
ClientSampleId :

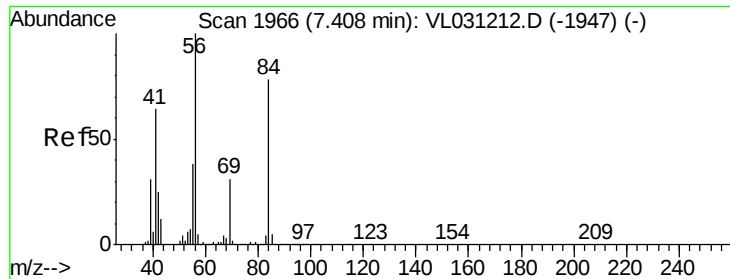
Tot Ion: 57 Resp: 51203
Ion Ratio Lower Upper
57 100
41 92.5 70.3 105.5
43 89.4 173.8 260.8#
56 56.9 41.7 62.5



#29
Chloroform
Concen: 0.088 ppbv
RT: 5.99 min Scan# 1526
Delta R.T. -0.00 min
Lab File: VL031236.D
Acq: 14 Dec 2017 17:47

Tgt Ion: 83 Resp: 22154
Ion Ratio Lower Upper
83 100
85 63.0 51.8 77.6

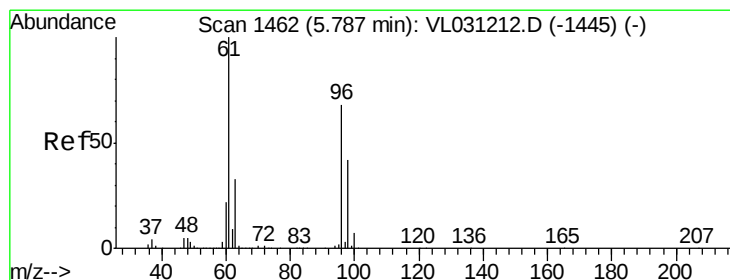
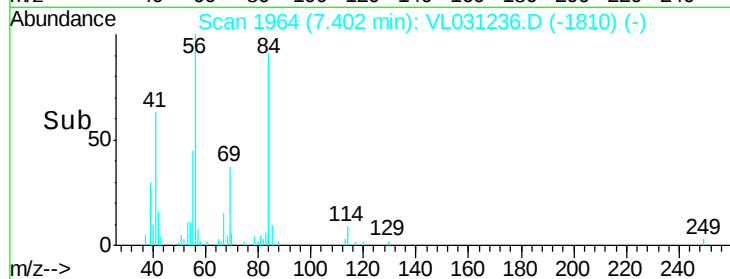
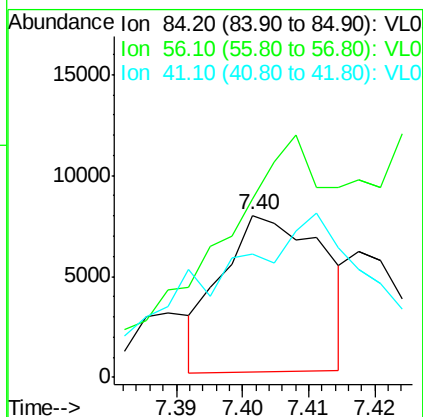
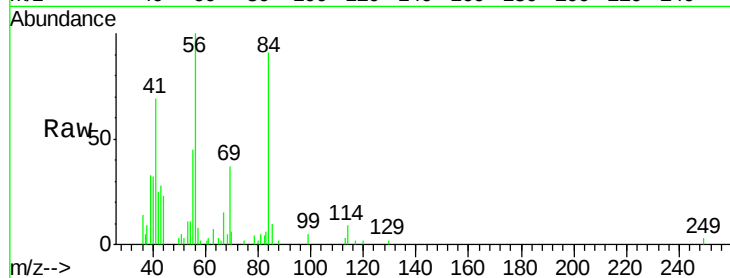




#30
Cvclohexane
Concen: 0.051 ppbv
RT: 7.40 min Scan# 1964
Delta R.T. -0.01 min
Lab File: VL031236.D
Acq: 14 Dec 2017 17:47

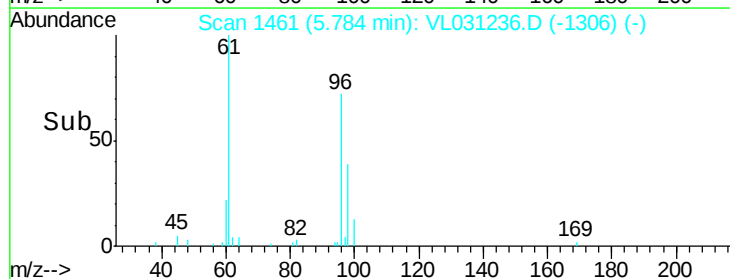
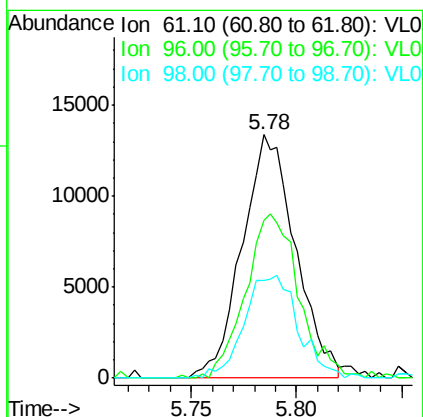
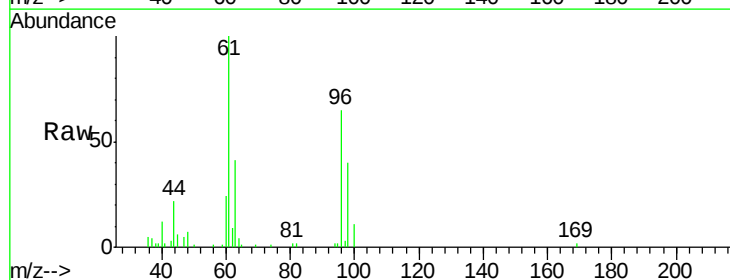
Instrument :
MSVOA_L
ClientSampled :

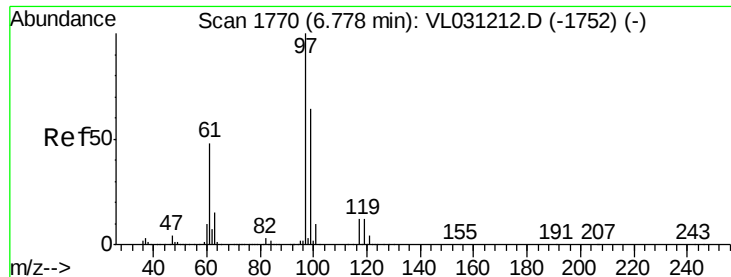
Tot Ion: 84 Resp: 8353
Ion Ratio Lower Upper
84 100
56 0.0 108.0 162.0#
41 0.0 66.2 99.4#



#31
cis-1,2-Dichloroethene
Concen: 0.138 ppbv
RT: 5.78 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VL031236.D
Acq: 14 Dec 2017 17:47

Tgt Ion: 61 Resp: 23454
Ion Ratio Lower Upper
61 100
96 64.7 54.4 81.6
98 40.1 33.6 50.4





#32

1,1,1-Trichloroethane

Concen: 41.149 ppbv

RT: 6.77 min Scan# 1769

Delta R.T. -0.00 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

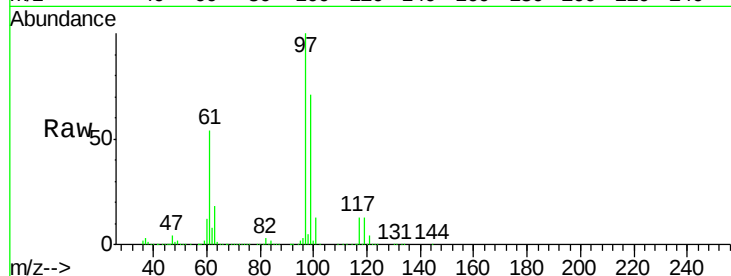
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 11125861

Ion	Ratio	Lower	Upper
97	100		
99	67.9	51.4	77.0
61	51.9	38.4	57.6

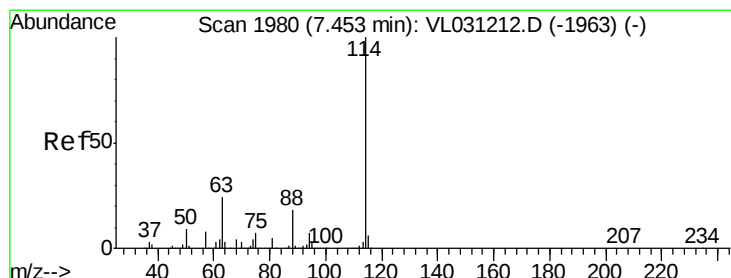
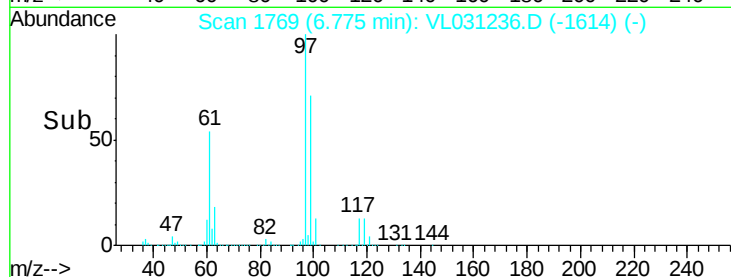
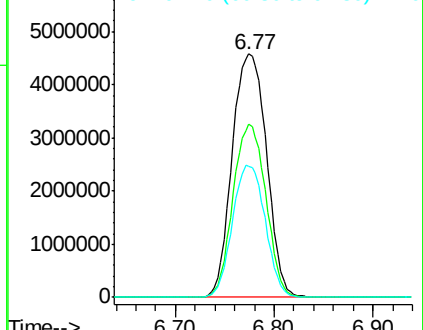


Abundance

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: 10.000 ppbv

RT: 7.45 min Scan# 1979

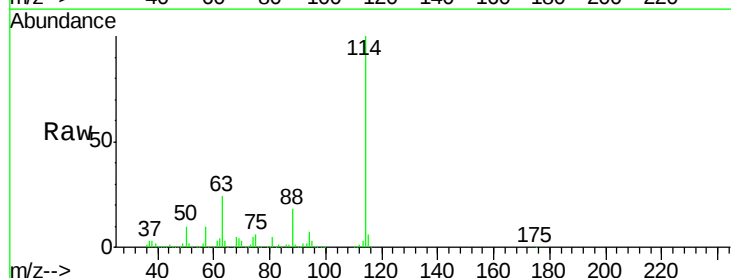
Delta R.T. -0.00 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Tgt Ion: 114 Resp: 3532863

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.8	29.8
88	17.6	14.2	21.4

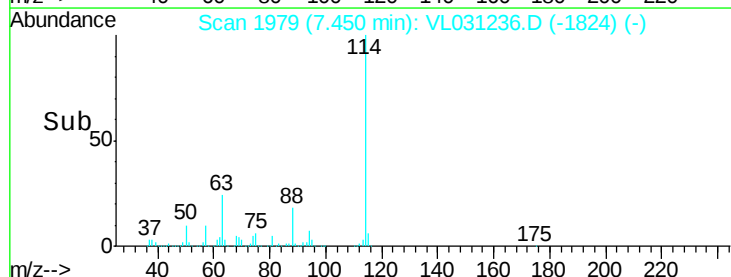
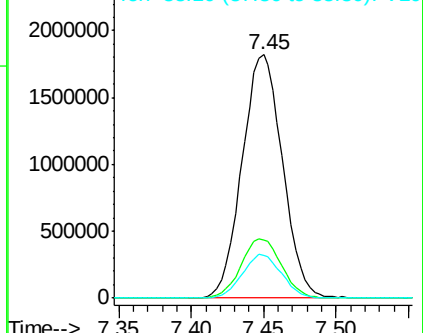


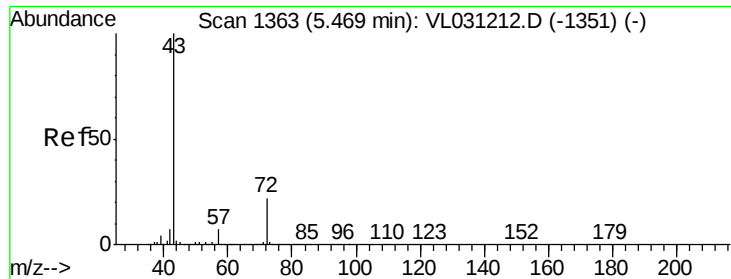
Abundance

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

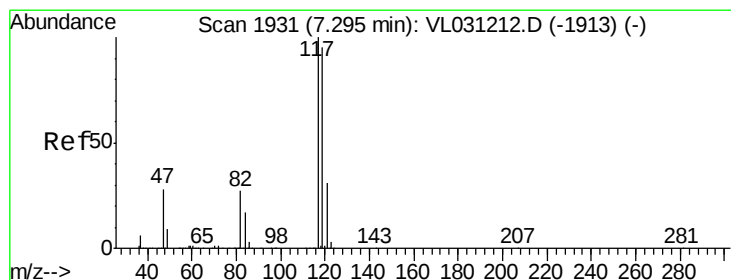
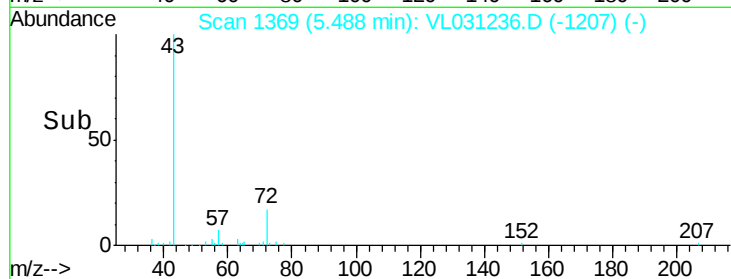
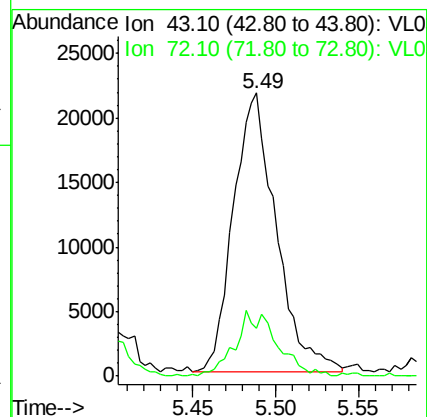
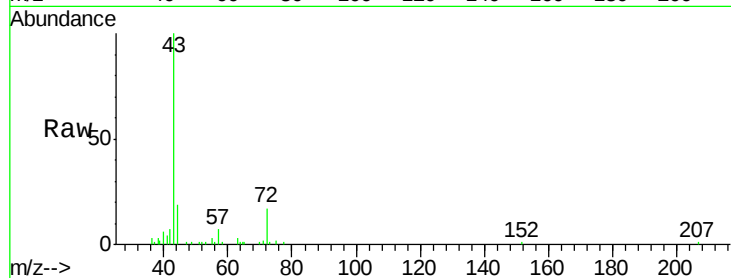




#34
2-Butanone
Concen: 0.155 ppbv
RT: 5.49 min Scan# 1369
Delta R.T. 0.02 min
Lab File: VL031236.D
Acq: 14 Dec 2017 17:47

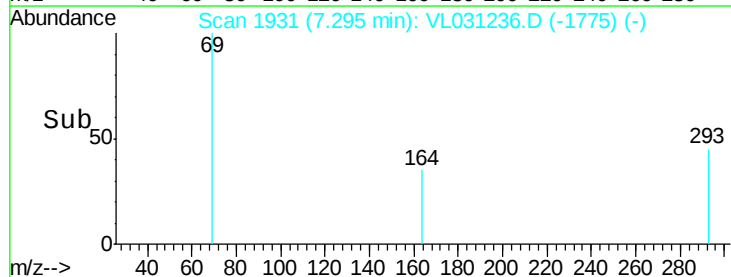
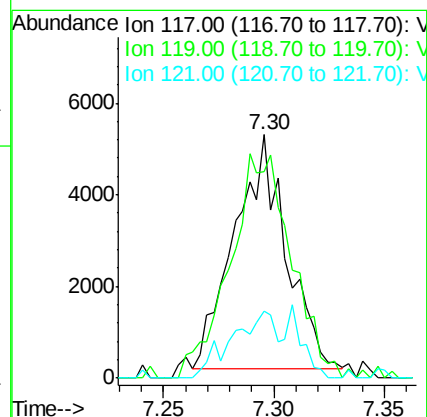
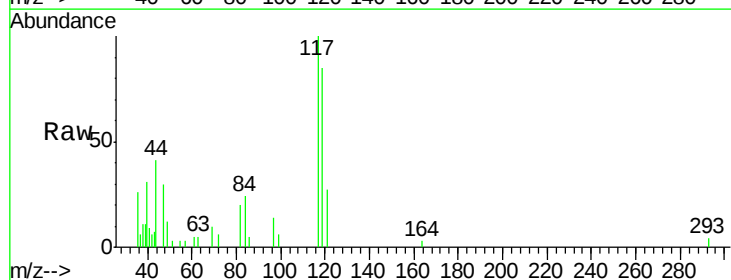
Instrument :
MSVOA_L
ClientSampled :

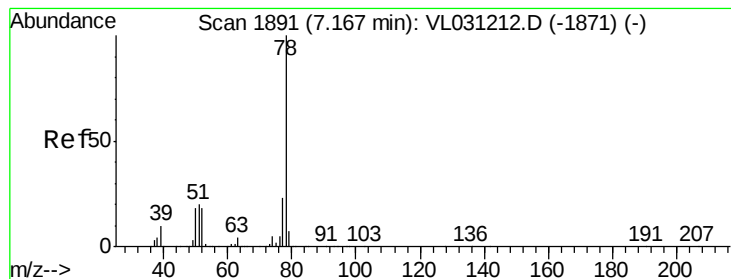
Tot Ion: 43 Resp: 38777
Ion Ratio Lower Upper
43 100
72 22.6 18.1 27.1



#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 7.30 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VL031236.D
Acq: 14 Dec 2017 17:47

Tgt Ion: 117 Resp: 8284
Ion Ratio Lower Upper
117 100
119 88.2 75.9 113.9
121 28.4 24.6 37.0





#36

Benzene

Concen: 0.147 ppbv

RT: 7.16 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :

MSVOA_L

ClientSampleId :

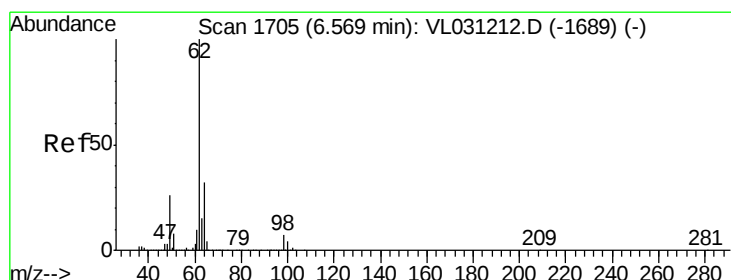
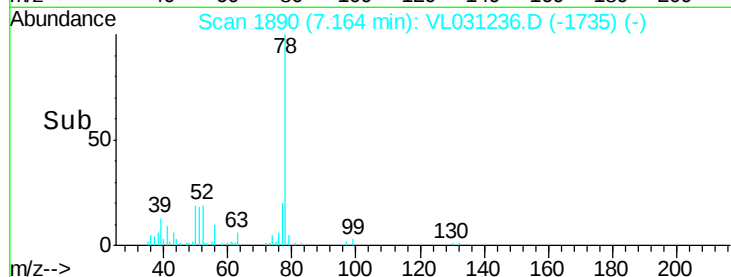
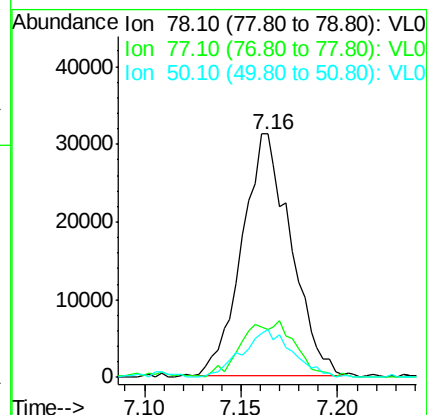
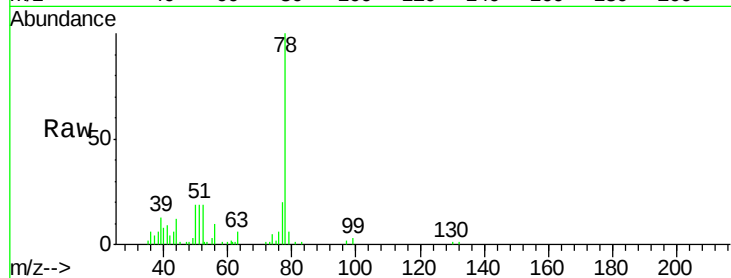
Tot Ion: 78 Resp: 54950

Ion Ratio Lower Upper

78 100

77 18.9 18.1 27.1

50 19.5 14.6 21.8



#37

1,2-Dichloroethane

Concen: 4.167 ppbv

RT: 6.77 min Scan# 1768

Delta R.T. 0.20 min

Lab File: VL031236.D

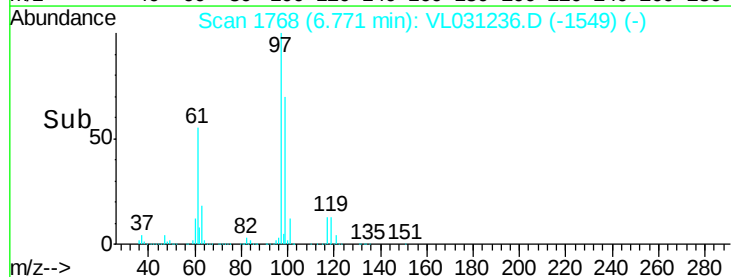
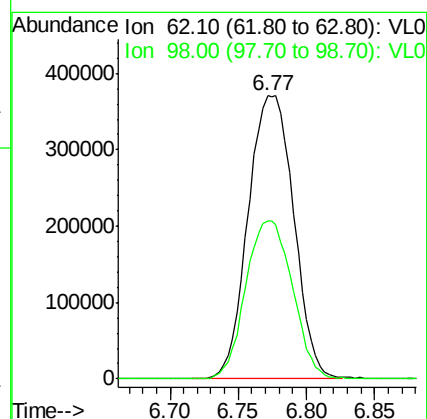
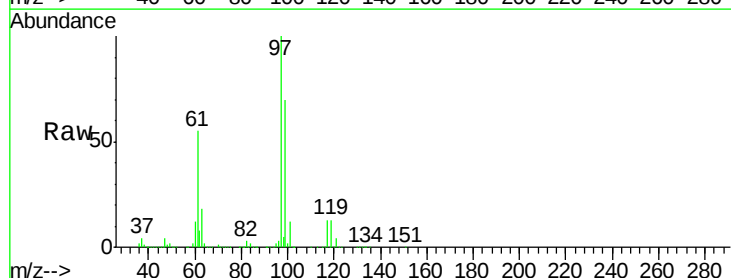
Acq: 14 Dec 2017 17:47

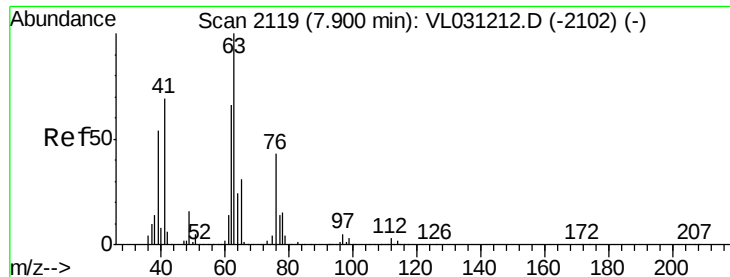
Tgt Ion: 62 Resp: 860813

Ion Ratio Lower Upper

62 100

98 57.3 5.4 8.2#





#39

1,2-Dichloropropane

Concen: 6.464 ppbv

RT: 7.45 min Scan# 1978

Delta R.T. -0.45 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :

MSVOA_L

ClientSampleId :

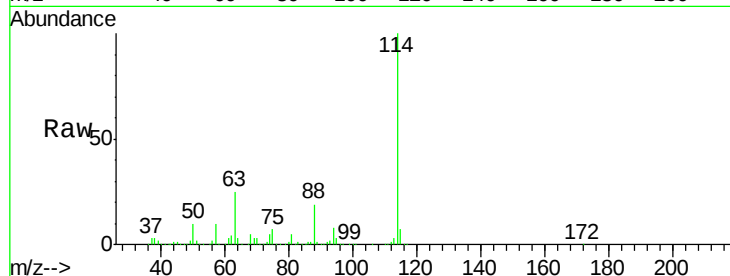
Tot Ion: 63 Resp: 855649

Ion Ratio Lower Upper

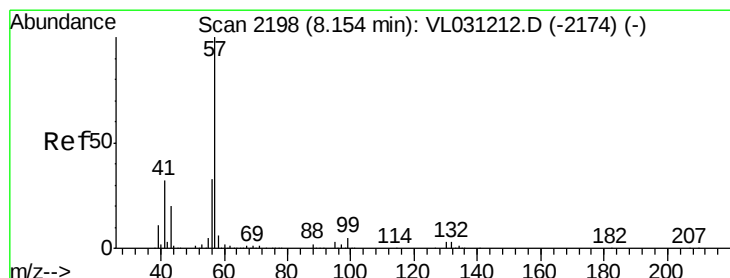
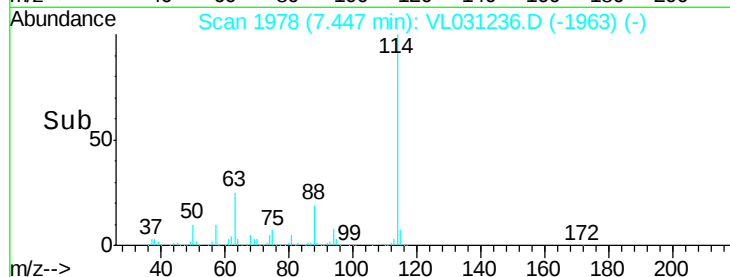
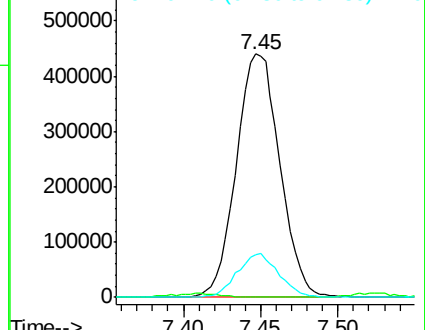
63 100

41 0.0 55.2 82.8#

62 17.7 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



#44

2,2,4-Trimethylpentane

Concen: 0.060 ppbv

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

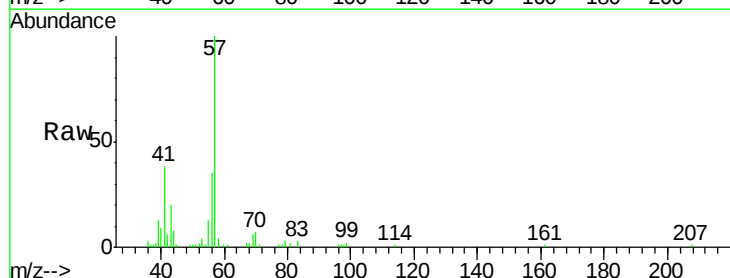
Tgt Ion: 57 Resp: 34128

Ion Ratio Lower Upper

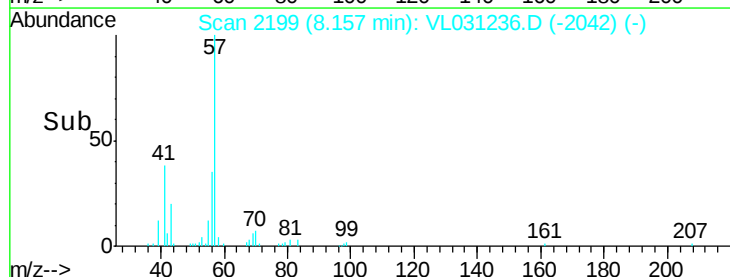
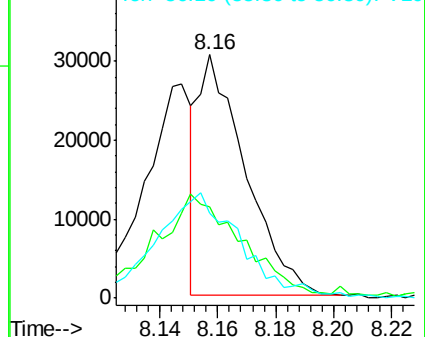
57 100

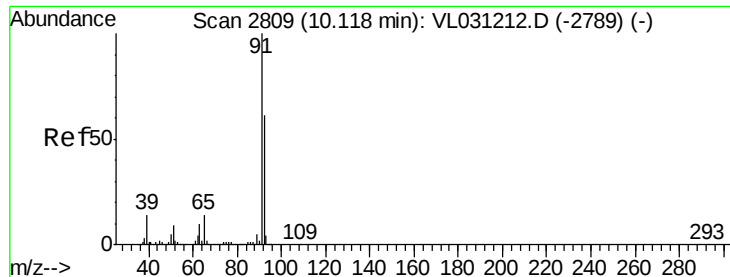
41 75.7 25.5 38.3#

56 81.3 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





#53

Toluene

Concen: 0.562 ppbv

RT: 10.12 min Scan# 2808

Delta R.T. -0.00 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :

MSVOA_L

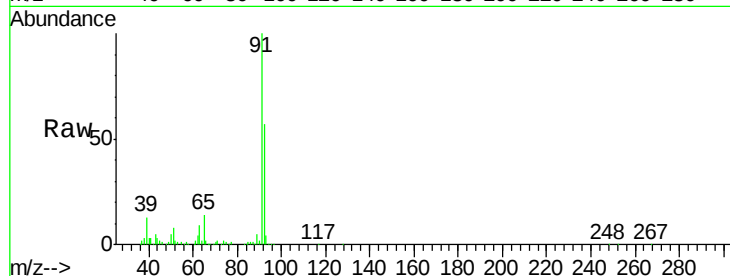
ClientSampleId :

Tot Ion: 91 Resp: 228132

Ion Ratio Lower Upper

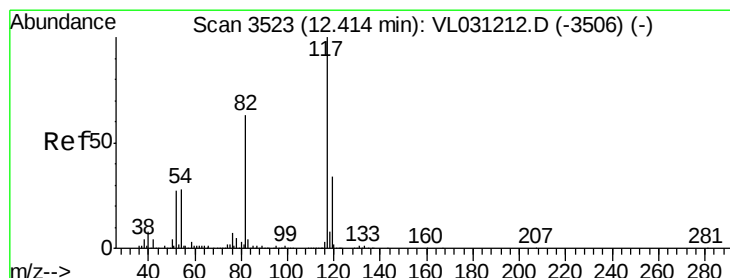
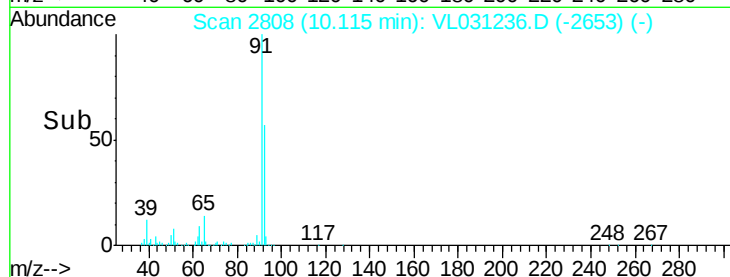
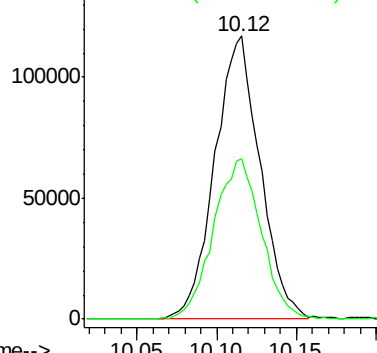
91 100

92 59.8 49.1 73.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.41 min Scan# 3521

Delta R.T. -0.01 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

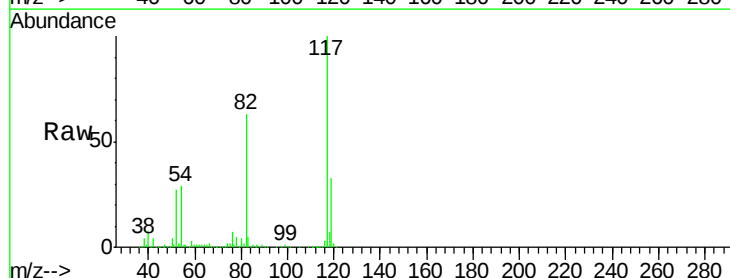
Tgt Ion: 117 Resp: 2875222

Ion Ratio Lower Upper

117 100

82 64.1 48.1 72.1

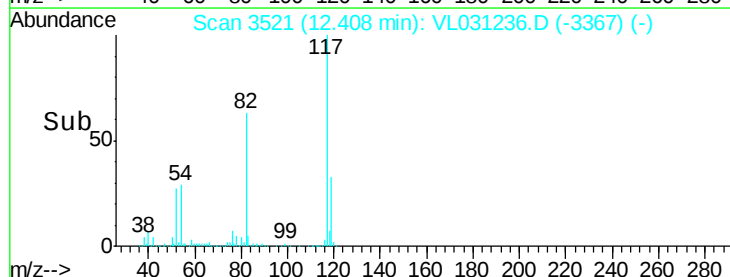
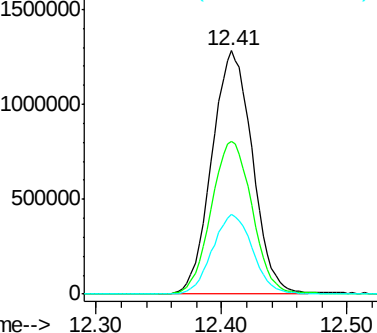
119 32.5 23.1 34.7

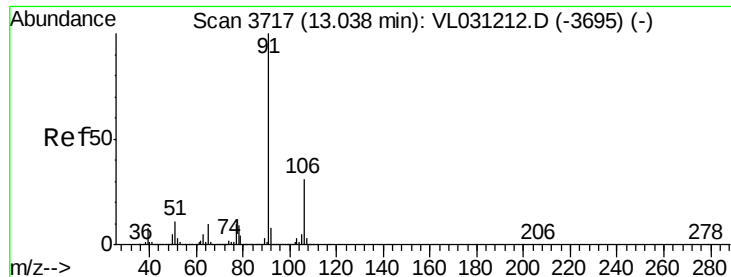


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.074 ppbv

RT: 13.03 min Scan# 3715

Delta R.T. -0.01 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :

MSVOA_L

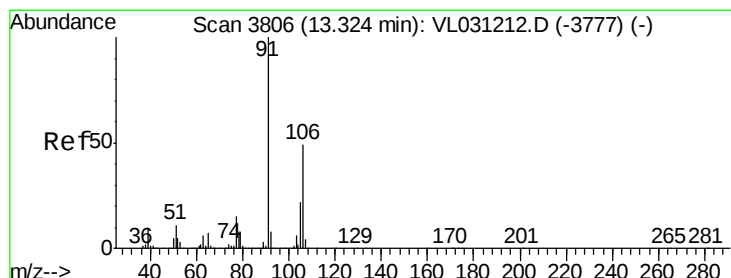
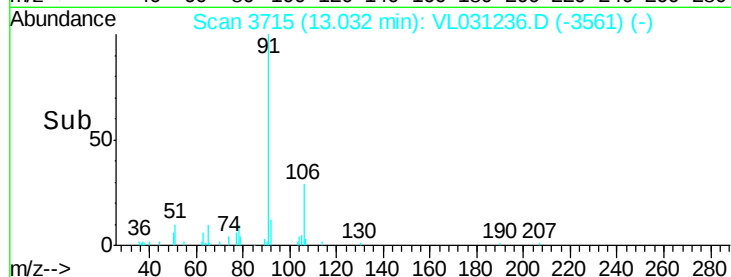
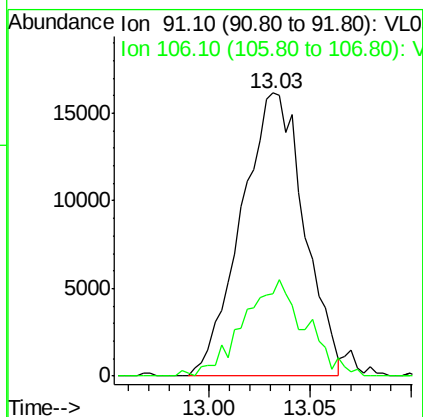
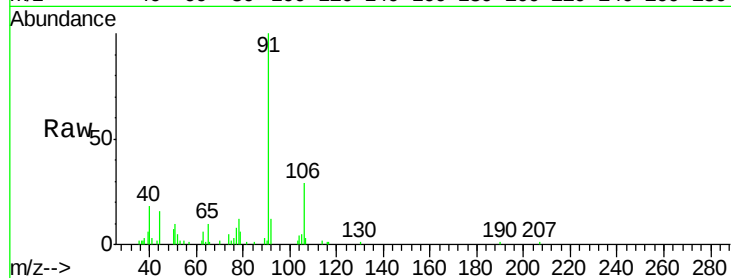
ClientSampleId :

Tot Ion: 91 Resp: 35059

Ion Ratio Lower Upper

91 100

106 27.9 25.1 37.7



#59

m/p-Xylene

Concen: 0.166 ppbv

RT: 13.29 min Scan# 3795

Delta R.T. -0.04 min

Lab File: VL031236.D

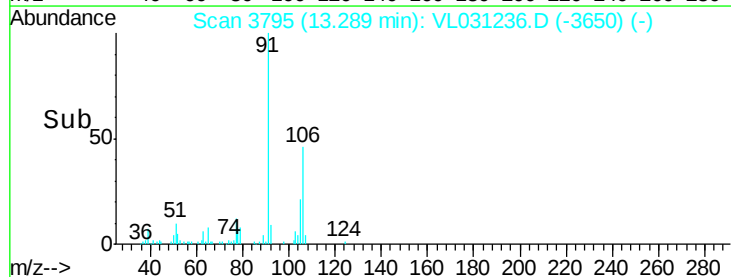
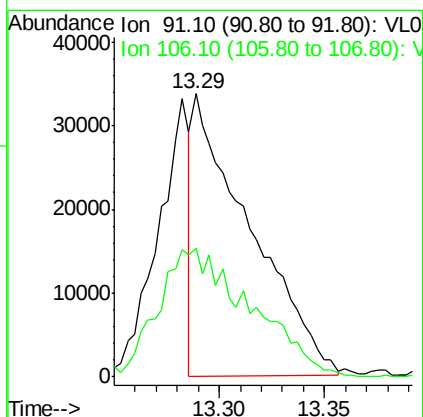
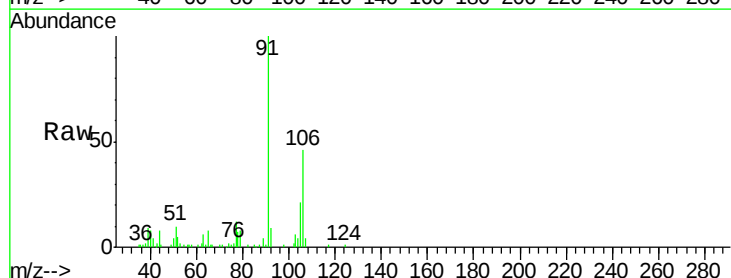
Acq: 14 Dec 2017 17:47

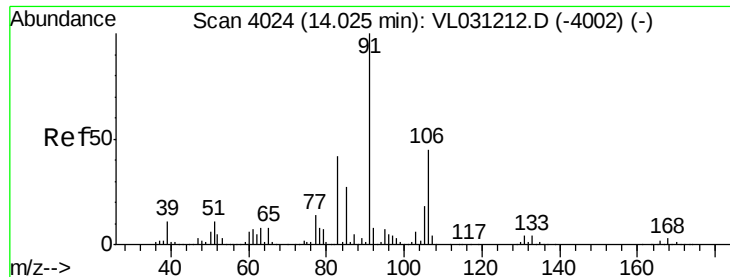
Tgt Ion: 91 Resp: 62978

Ion Ratio Lower Upper

91 100

106 74.3 38.5 57.7#

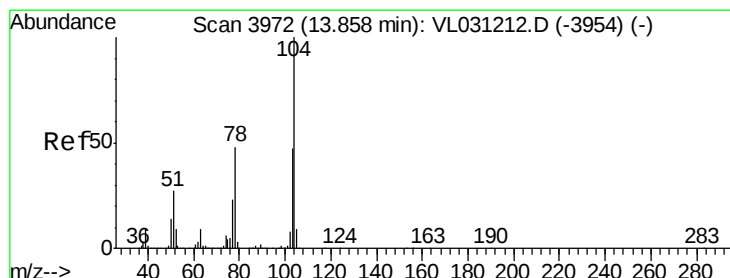
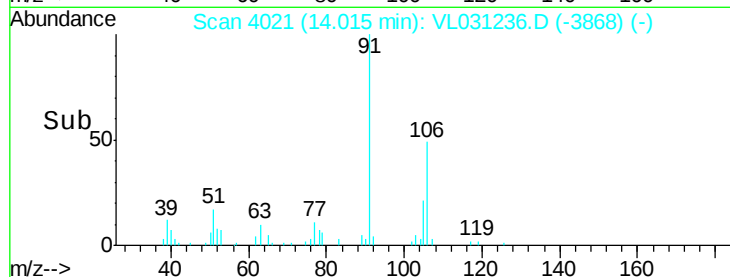
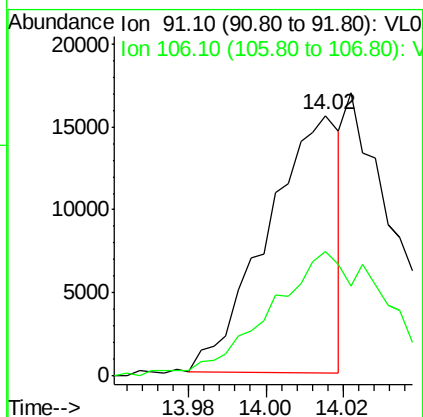
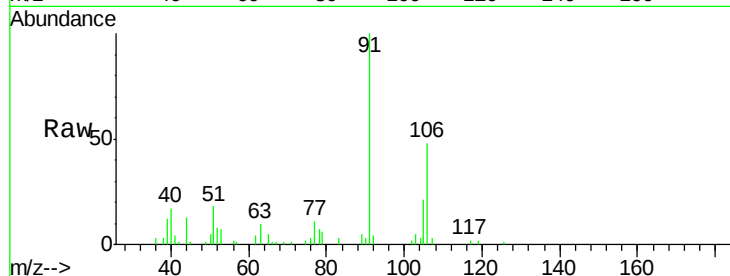




#60
o-Xylene
Concen: 0.053 ppbv
RT: 14.02 min Scan# 4021
Delta R.T. -0.01 min
Lab File: VL031236.D
Acq: 14 Dec 2017 17:47

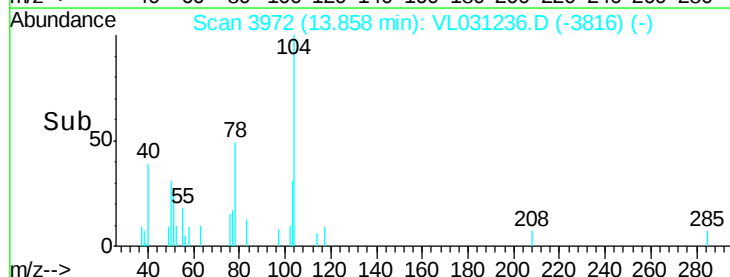
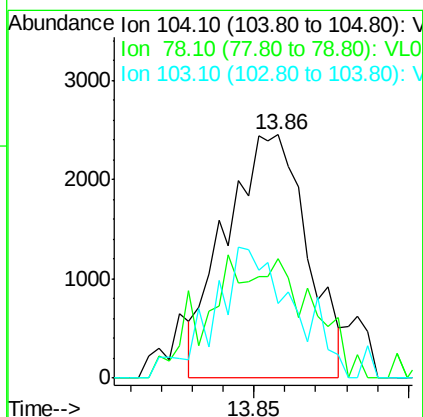
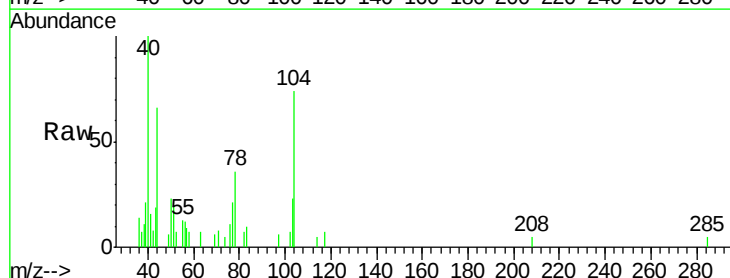
Instrument :
MSVOA_L
ClientSampleId :

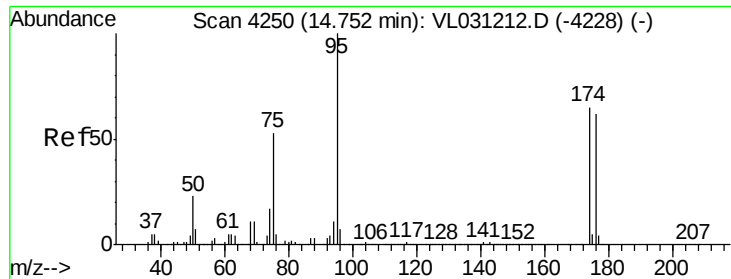
Tot Ion: 91 Resp: 20141
Ion Ratio Lower Upper
91 100
106 81.4 22.7 68.1#



#61
Styrene
Concen: 0.041 ppbv
RT: 13.86 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VL031236.D
Acq: 14 Dec 2017 17:47

Tgt Ion: 104 Resp: 4492
Ion Ratio Lower Upper
104 100
78 61.3 39.1 58.7#
103 54.1 37.3 55.9





#68

1-Bromo-4-Fluorobenzene

Concen: 11.574 ppbv

RT: 14.75 min Scan# 4248

Delta R.T. -0.01 min

Lab File: VL031236.D

Acq: 14 Dec 2017 17:47

Instrument :

MSVOA_L

ClientSampleId :

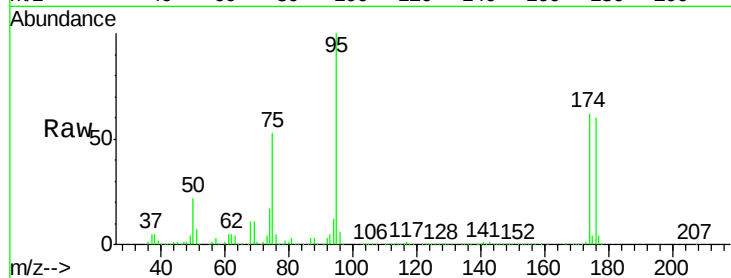
Tot Ion: 95 Resp: 2367061

Ion Ratio Lower Upper

95 100

174 63.2 52.5 78.7

175 4.6 4.1 6.1



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

