

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031233.D
 Acq On : 14 Dec 2017 15:51
 Operator : SY/AP
 Sample : I6907-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 15 05:16:38 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

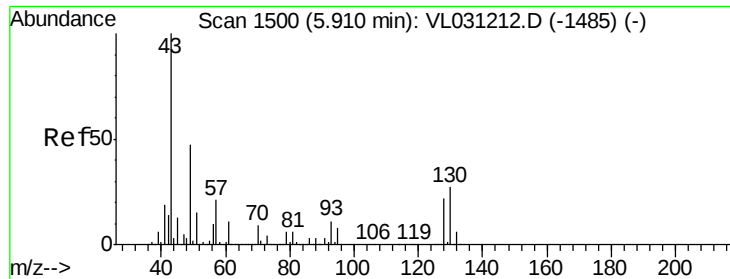
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1479691	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3559372	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2844431	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.74	95	2401479	11.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	118.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.18	85	87848	0.703	ppbv	100
3) Chlorodifluoromethane	3.11	51	71141	0.423	ppbv #	89
4) Chloromethane	3.27	50	6059	0.067	ppbv	93
7) Chloroethane	3.71	64	132263	3.799	ppbv	98
9) Propene	3.34	41	126284	1.529	ppbv	99
10) Heptane	8.40	43	12630	0.050	ppbv #	28
11) Trichlorofluoromethane	4.13	101	227844	1.109	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.69	101	202983	1.410	ppbv	96
13) Ethanol	3.77	45	228723	9.604	ppbv	97
15) Acetone	4.03	43	380327	1.948	ppbv #	85
16) 1,3-Butadiene	3.45	39	14601	0.174	ppbv #	14
17) tert-Butyl alcohol	4.49	59	16793	0.153	ppbv #	73
18) 1,1-Dichloroethene	4.48	96	213788	3.315	ppbv	96
19) Isopropyl Alcohol	4.16	45	189138	1.530	ppbv #	44
20) Methylene Chloride	4.54	84	148289	2.295	ppbv	94
22) trans-1,2-Dichloroethene	5.10	96	107583	1.357	ppbv	98
23) Vinyl Acetate	5.29	43	14666	0.047	ppbv #	1
24) 1,1-Dichloroethane	5.23	63	2801866	12.263	ppbv	99
25) Ethyl Acetate	5.93	43	63888	0.160	ppbv #	85
26) Hexane	5.93	57	81169	0.429	ppbv #	47
29) Chloroform	6.00	83	8451	0.033	ppbv	92
30) Cyclohexane	7.41	84	7626	0.046	ppbv #	7
31) cis-1,2-Dichloroethene	5.79	61	29404	0.171	ppbv	93
32) 1,1,1-Trichloroethane	6.77	97	12742744	46.650	ppbv	93
34) 2-Butanone	5.49	43	35423	0.141	ppbv	99
36) Benzene	7.16	78	40450	0.107	ppbv	94
37) 1,2-Dichloroethane	6.77	62	1023204	4.916	ppbv #	1
39) 1,2-Dichloropropane	7.45	63	860948	6.455	ppbv #	27
44) 2,2,4-Trimethylpentane	8.15	57	22375	0.039	ppbv #	1
53) Toluene	10.12	91	214186	0.523	ppbv	98
58) Ethyl Benzene	13.03	91	22370	0.048	ppbv	92
59) m/p-Xylene	13.29	91	140354	0.373	ppbv	99
60) o-Xylene	14.02	91	53179	0.140	ppbv	96
72) 4-Ethyltoluene	16.17	105	19586	0.047	ppbv #	93
74) 1,2,4-Trimethylbenzene	17.09	105	52773	0.136	ppbv #	71

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.91 min Scan# 1500

Delta R.T. 0.00 min

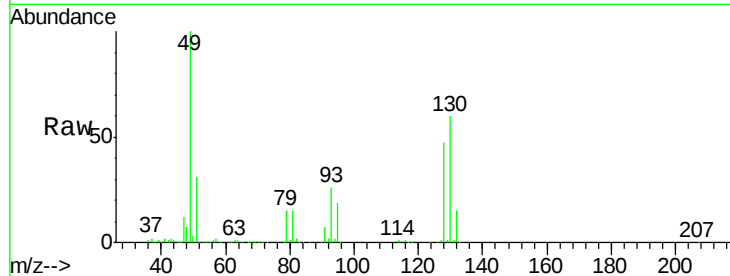
Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1479691

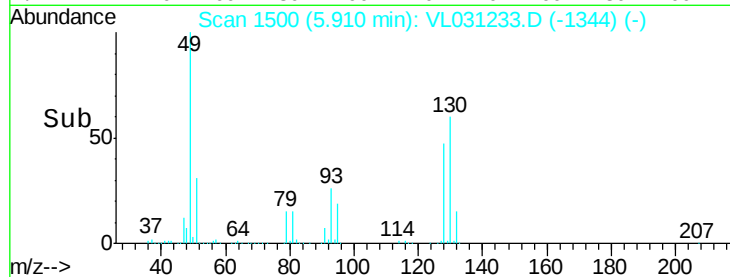
Ion	Ratio	Lower	Upper
49	100		
128	47.8	23.2	69.5
130	62.3	29.6	88.8



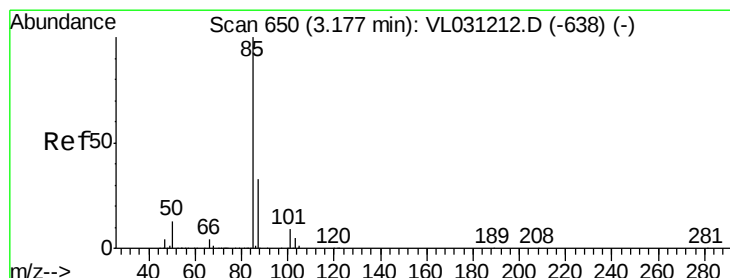
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time--> 5.80 5.85 5.90 5.95 6.00



#2

Dichlorodifluoromethane

Concen: 0.703 ppbv

RT: 3.18 min Scan# 650

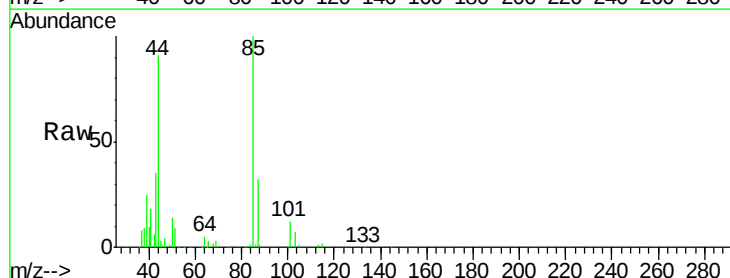
Delta R.T. 0.00 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

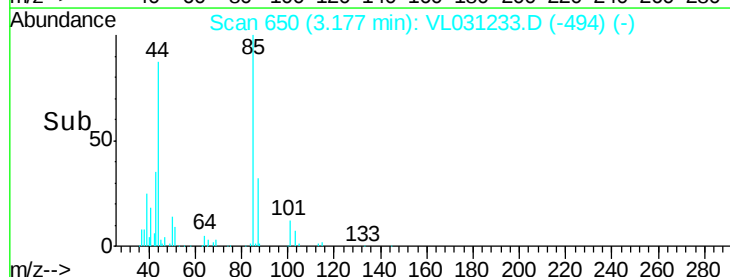
Tgt Ion: 85 Resp: 87848

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.2	39.2

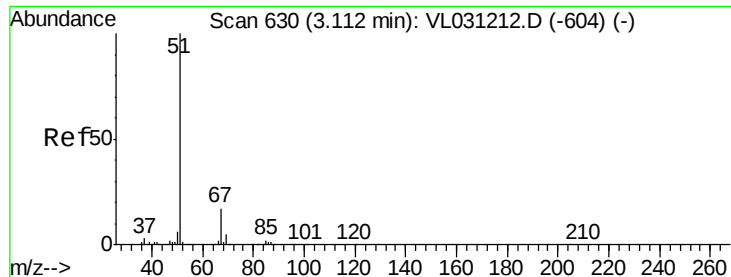


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time--> 3.15 3.20



#3

Chlorodifluoromethane

Concen: 0.423 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Instrument :

MSVOA_L

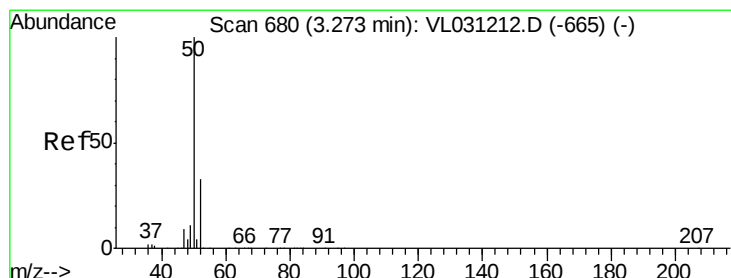
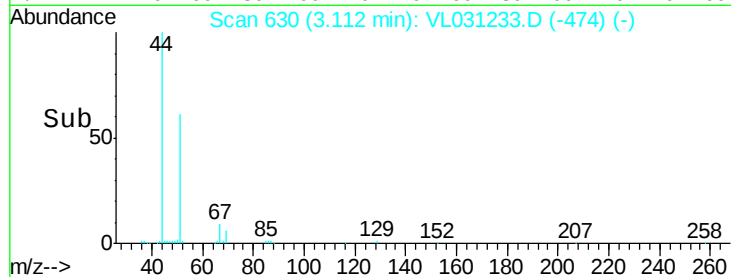
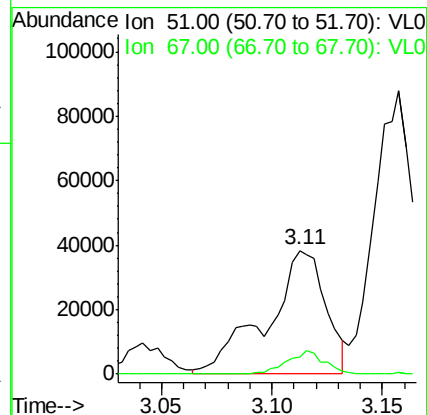
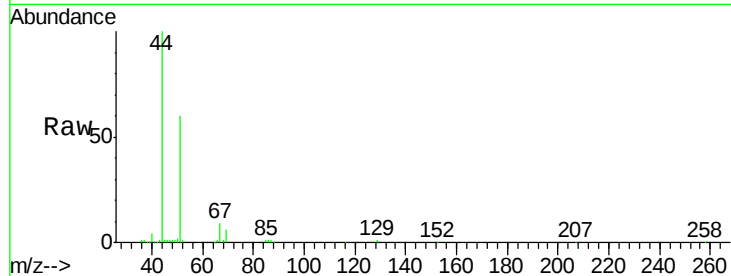
ClientSampleId :

Tot Ion: 51 Resp: 71141

Ion Ratio Lower Upper

51 100

67 12.5 13.8 20.6#



#4

Chloromethane

Concen: 0.067 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL031233.D

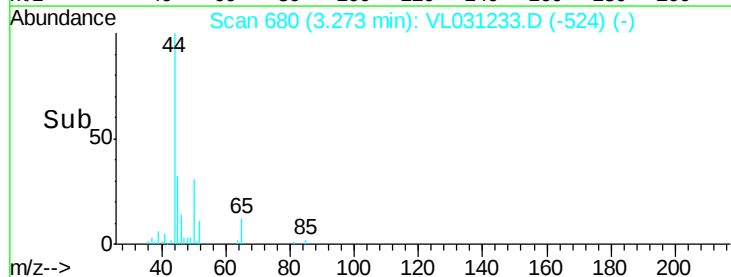
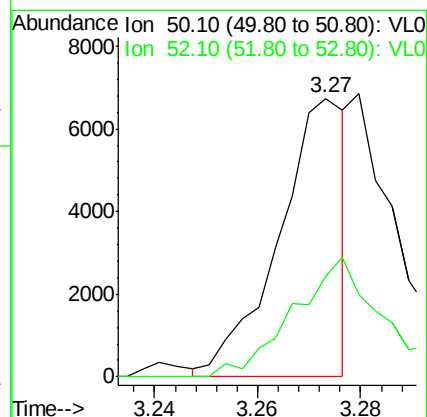
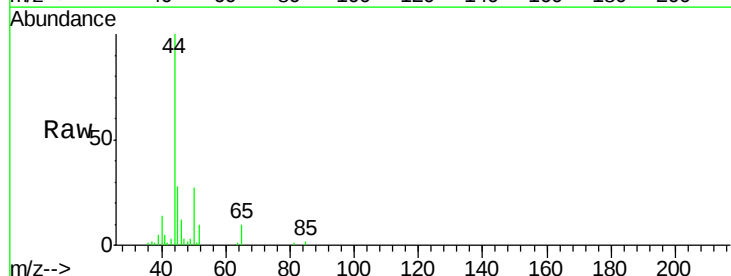
Acq: 14 Dec 2017 15:51

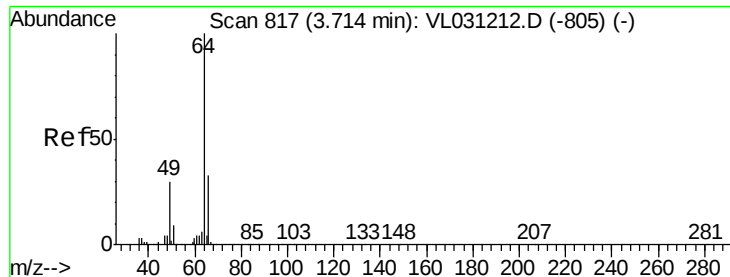
Tgt Ion: 50 Resp: 6059

Ion Ratio Lower Upper

50 100

52 37.1 26.5 39.7





#7

Chloroethane

Concen: 3.799 ppbv

RT: 3.71 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Instrument :

MSVOA_L

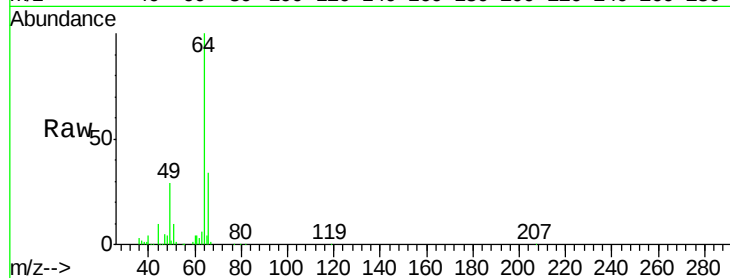
ClientSampleId :

Tot Ion: 64 Resp: 132263

Ion Ratio Lower Upper

64 100

66 33.8 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.71

100000

80000

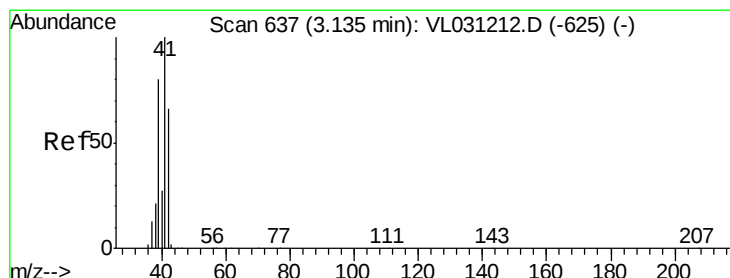
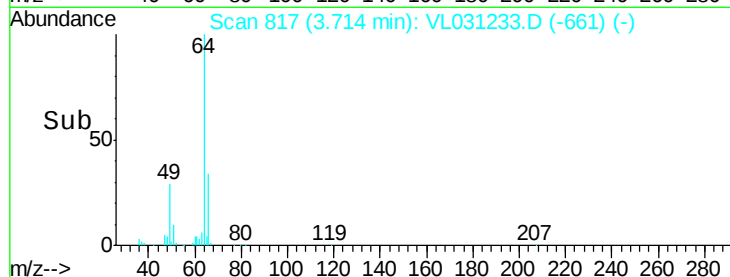
60000

40000

20000

0

Time--> 3.65 3.70 3.75



#9

Propene

Concen: 1.529 ppbv

RT: 3.34 min Scan# 701

Delta R.T. 0.21 min

Lab File: VL031233.D

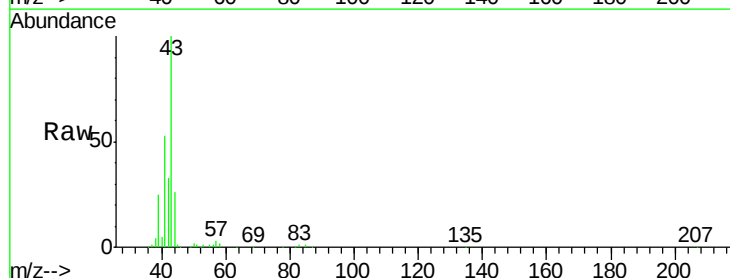
Acq: 14 Dec 2017 15:51

Tgt Ion: 41 Resp: 126284

Ion Ratio Lower Upper

41 100

42 66.7 54.3 81.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.34

100000

80000

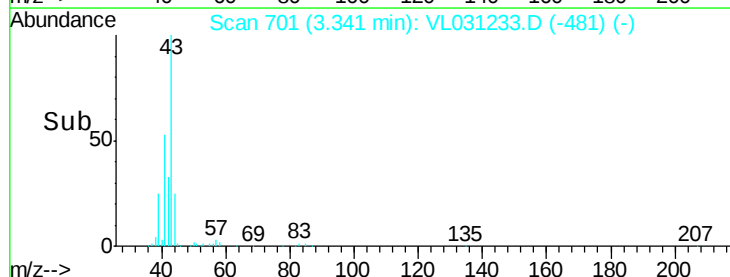
60000

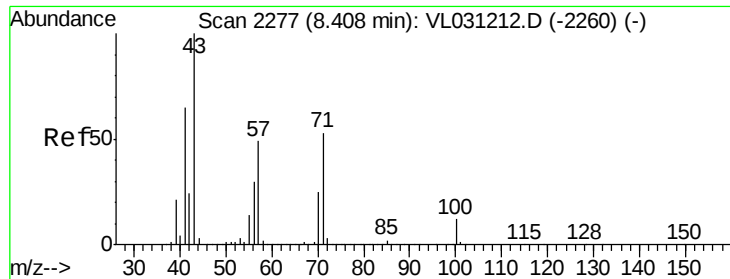
40000

20000

0

Time--> 3.30 3.35





#10

Heptane

Concen: 0.050 ppbv

RT: 8.40 min Scan# 2276

Delta R.T. -0.00 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Instrument :

MSVOA_L

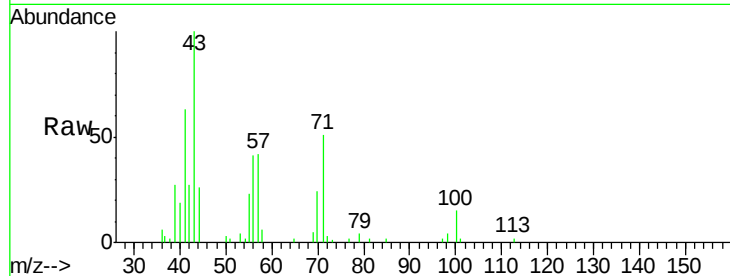
ClientSampleId :

Tot Ion: 43 Resp: 12630

Ion Ratio Lower Upper

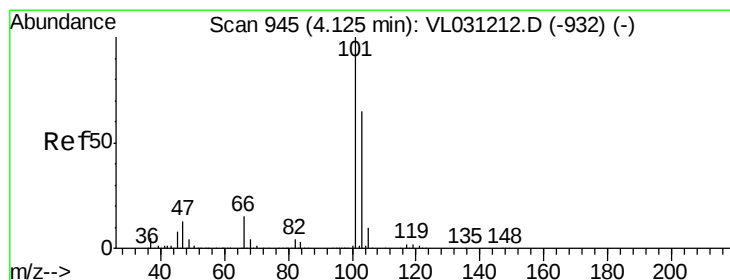
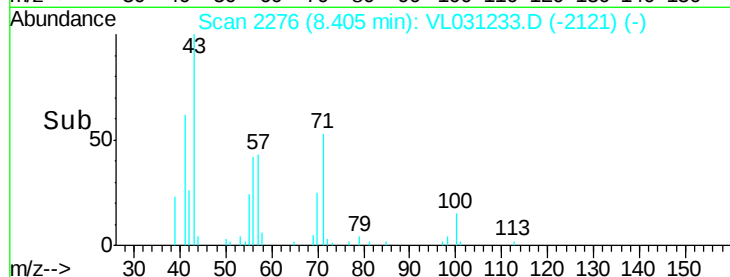
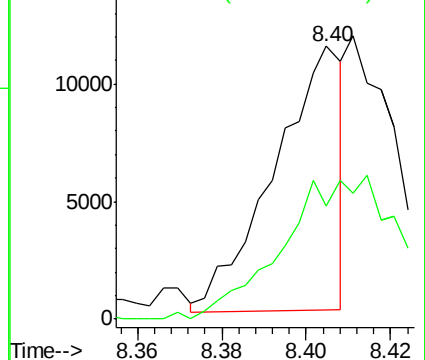
43 100

57 0.0 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: 1.109 ppbv

RT: 4.13 min Scan# 946

Delta R.T. 0.00 min

Lab File: VL031233.D

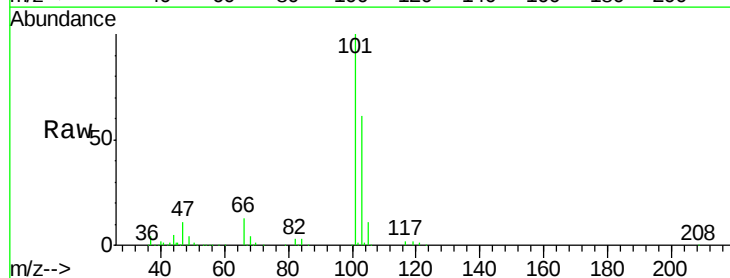
Acq: 14 Dec 2017 15:51

Tgt Ion:101 Resp: 227844

Ion Ratio Lower Upper

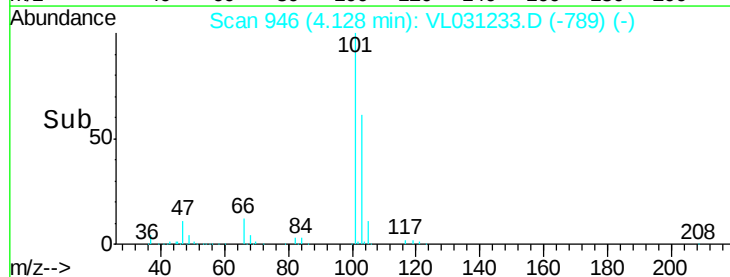
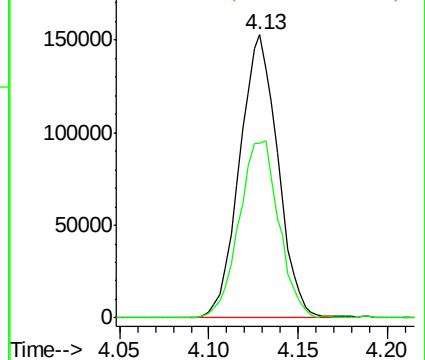
101 100

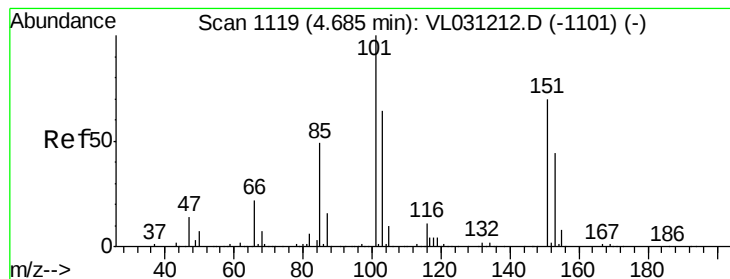
103 61.3 51.8 77.8



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: 1.410 ppbv

RT: 4.69 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Instrument :

MSVOA_L

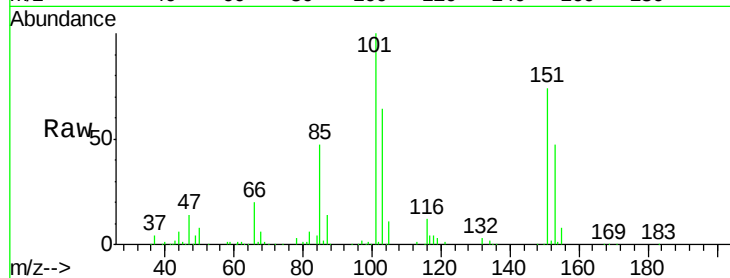
ClientSampleId :

Tot Ion:101 Resp: 202983

Ion Ratio Lower Upper

101 100

151 73.6 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.69

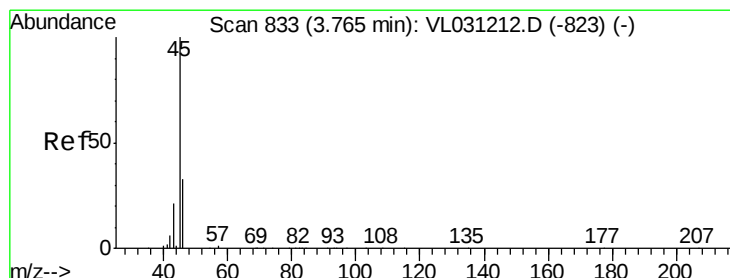
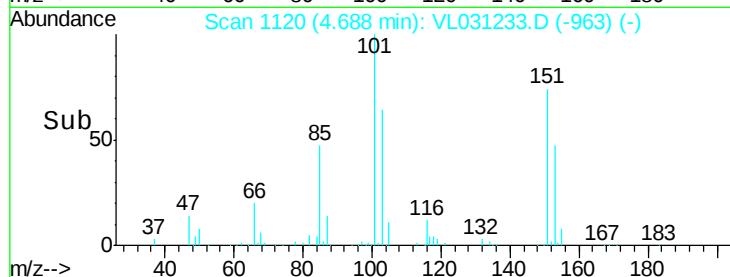
100000

50000

0

Time-->

4.65 4.70 4.75



#13

Ethanol

Concen: 9.604 ppbv

RT: 3.77 min Scan# 835

Delta R.T. 0.01 min

Lab File: VL031233.D

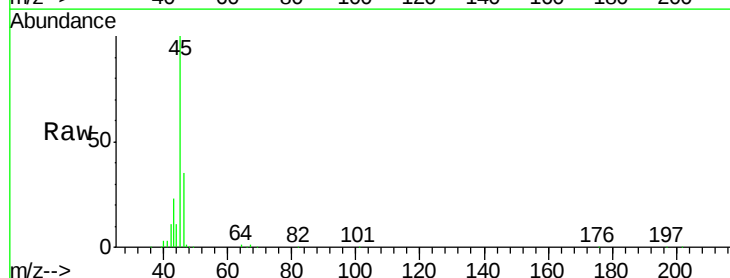
Acq: 14 Dec 2017 15:51

Tgt Ion: 45 Resp: 228723

Ion Ratio Lower Upper

45 100

46 38.2 14.6 58.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.77

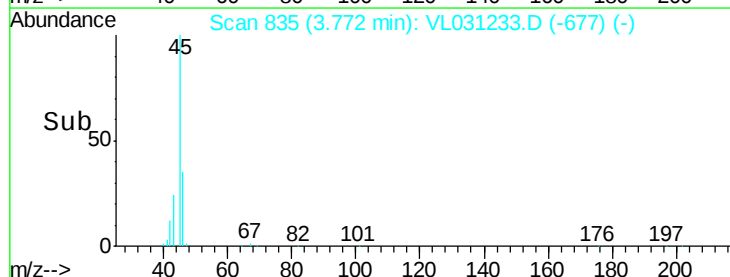
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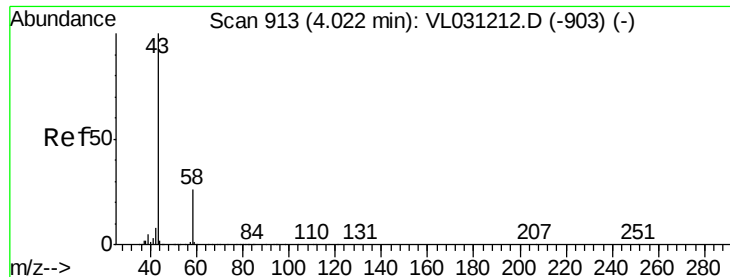
50000

0

Time-->

3.70 3.75 3.80 3.85





#15

Acetone

Concen: 1.948 ppbv

RT: 4.03 min Scan# 916

Delta R.T. 0.01 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Instrument :

MSVOA_L

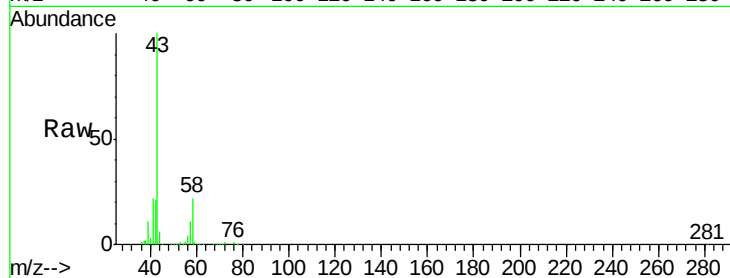
ClientSampleId :

Tot Ion: 43 Resp: 380327

Ion Ratio Lower Upper

43 100

58 17.8 20.3 30.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.03

200000

150000

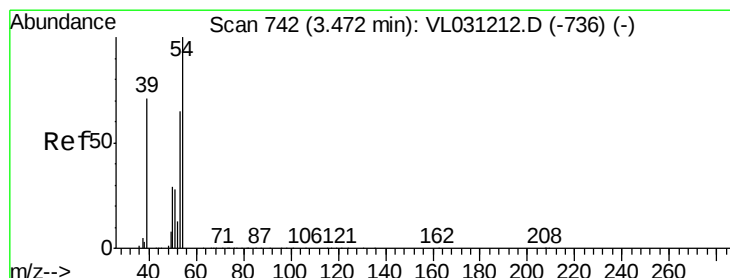
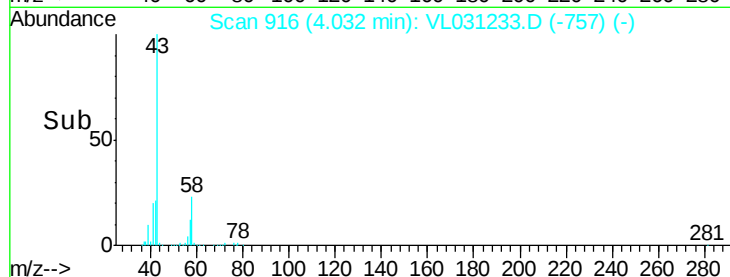
100000

50000

0

Time-->

4.00 4.05 4.10



#16

1,3-Butadiene

Concen: 0.174 ppbv

RT: 3.45 min Scan# 736

Delta R.T. -0.02 min

Lab File: VL031233.D

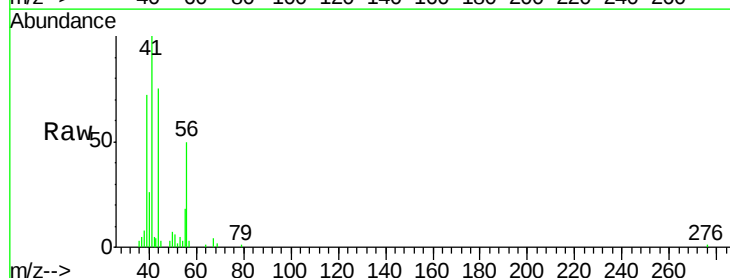
Acq: 14 Dec 2017 15:51

Tgt Ion: 39 Resp: 14601

Ion Ratio Lower Upper

39 100

54 5.2 66.4 99.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.45

20000

15000

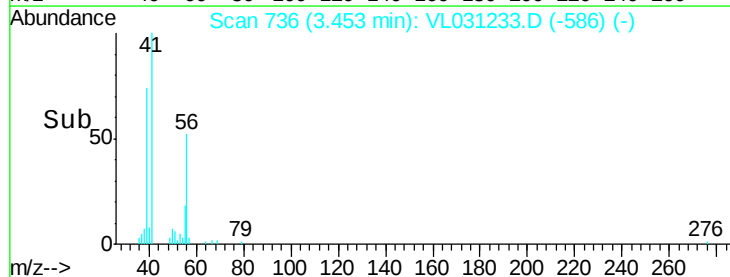
10000

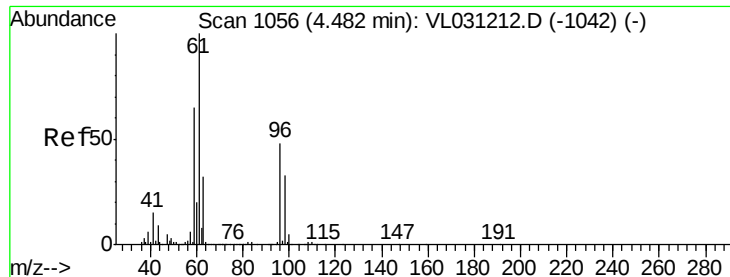
5000

0

Time-->

3.42 3.44 3.46 3.48





#17

tert-Butyl alcohol

Concen: 0.153 ppbv

RT: 4.49 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Instrument :

MSVOA_L

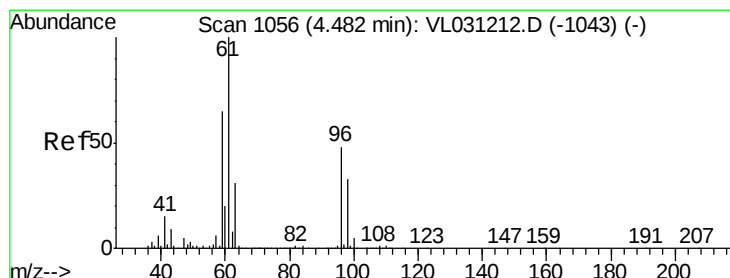
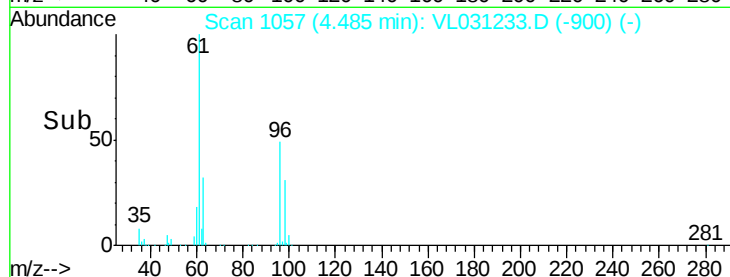
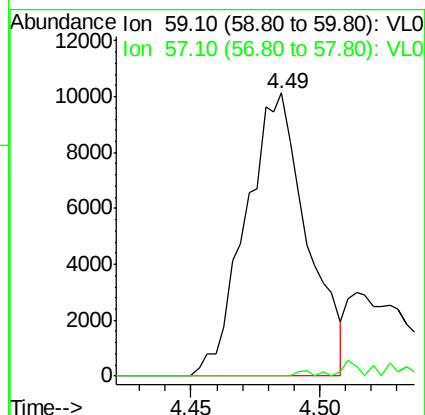
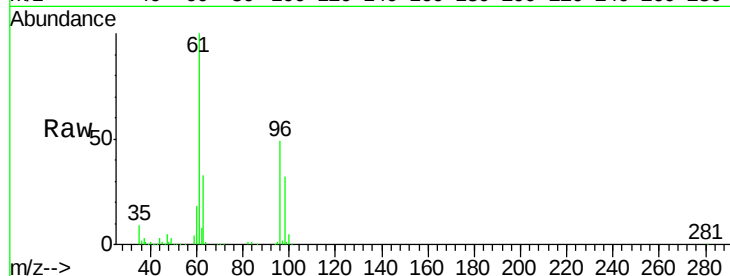
ClientSampled :

Tot Ion: 59 Resp: 16793

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#18

1,1-Dichloroethene

Concen: 3.315 ppbv

RT: 4.48 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

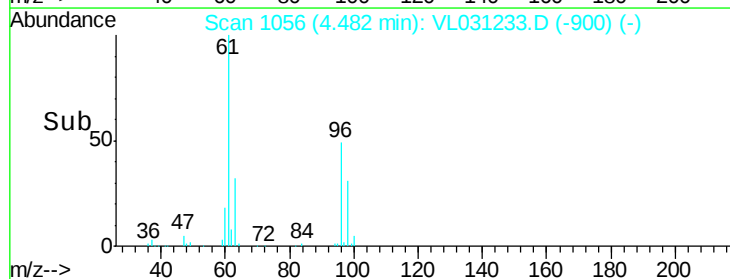
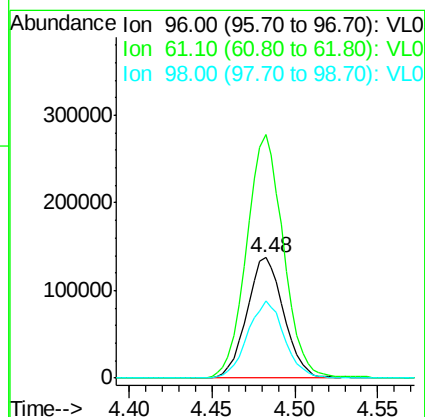
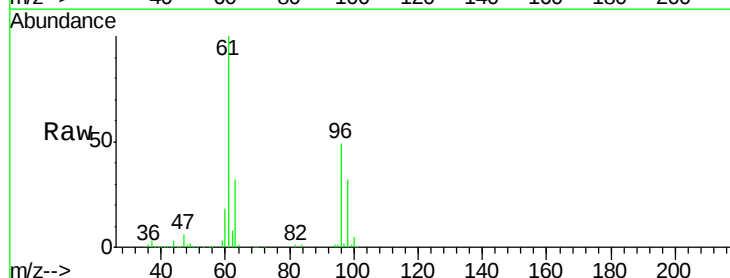
Tgt Ion: 96 Resp: 213788

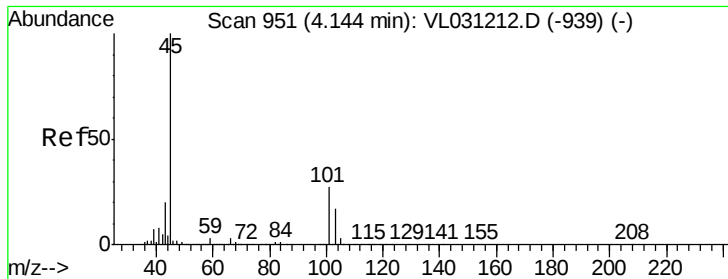
Ion Ratio Lower Upper

96 100

61 202.7 166.8 250.2

98 64.0 55.0 82.6





#19

Isopropyl Alcohol

Concen: 1.530 ppbv

RT: 4.16 min Scan# 956

Delta R.T. 0.02 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Instrument :

MSVOA_L

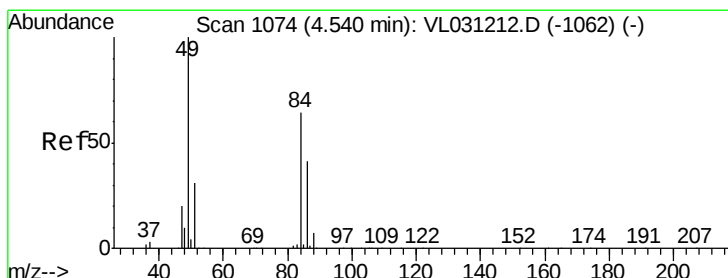
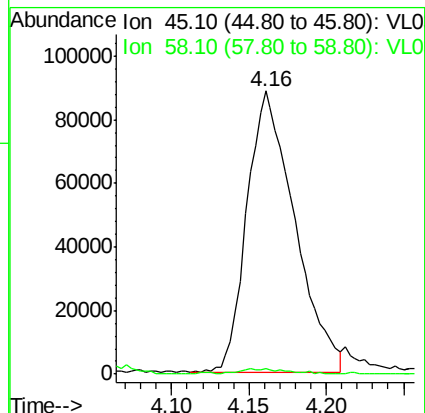
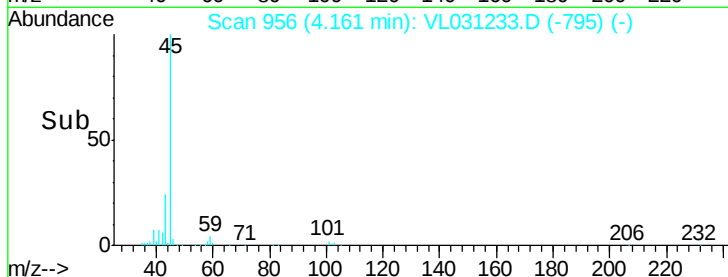
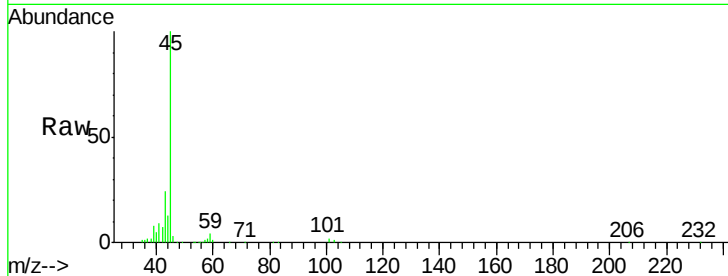
ClientSampleId :

Tot Ion: 45 Resp: 189138

Ion Ratio Lower Upper

45 100

58 2.2 27.2 40.8#



#20

Methylene Chloride

Concen: 2.295 ppbv

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Tgt Ion: 84 Resp: 148289

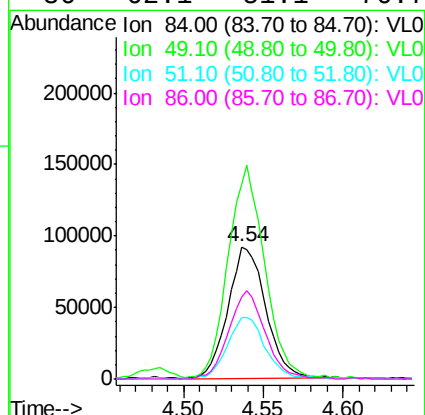
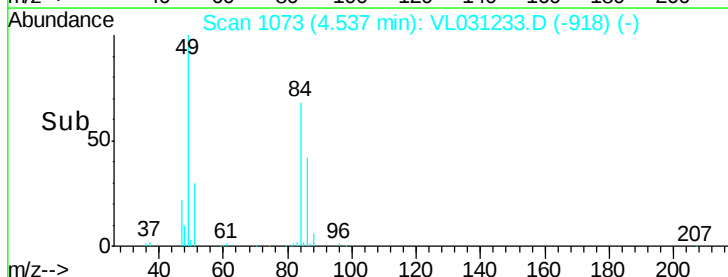
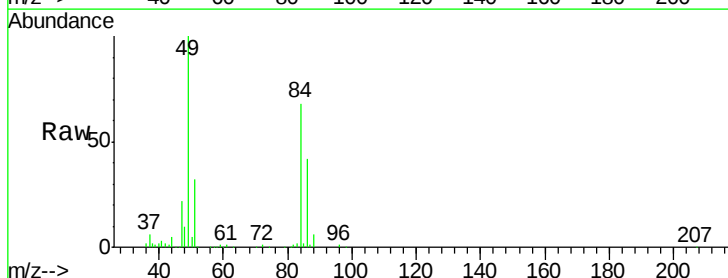
Ion Ratio Lower Upper

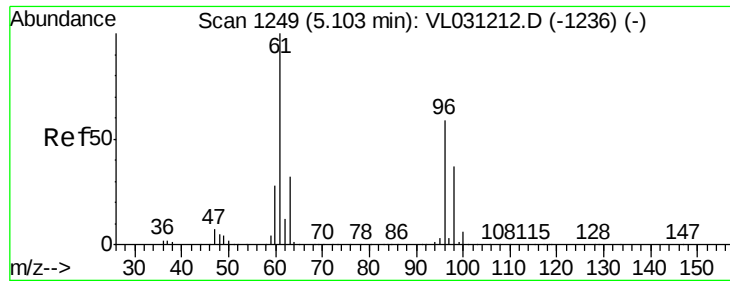
84 100

49 147.2 125.8 188.6

51 46.7 39.3 58.9

86 62.1 51.1 76.7





#22

trans-1,2-Dichloroethene

Concen: 1.357 ppbv

RT: 5.10 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Instrument :
MSVOA_L
ClientSampleId :

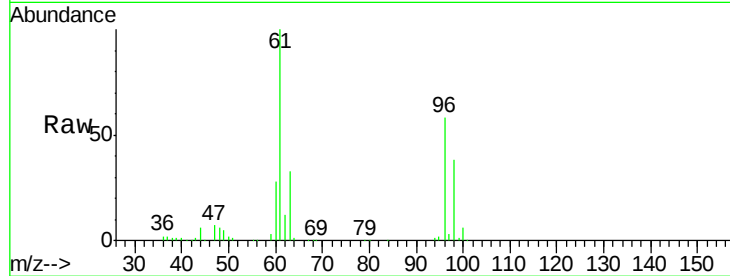
Tot Ion: 96 Resp: 107583

Ion Ratio Lower Upper

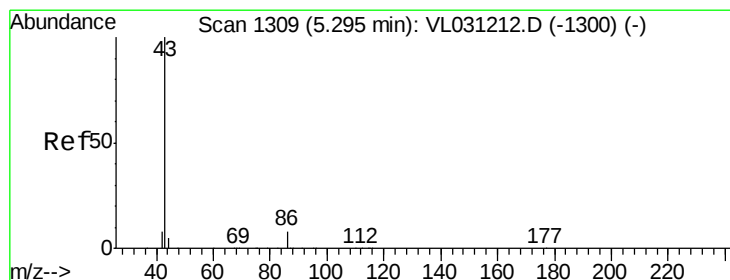
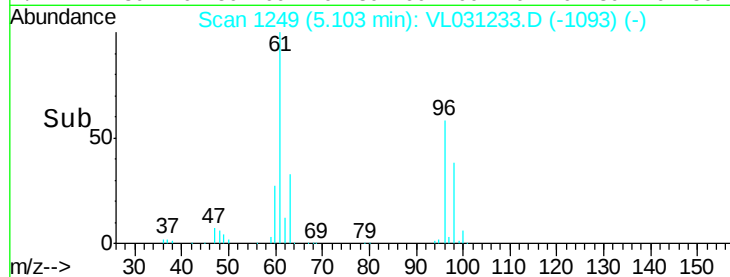
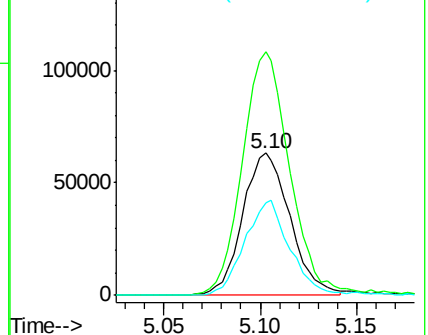
96 100

61 171.5 135.0 202.4

98 64.8 50.5 75.7



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



#23

Vinyl Acetate

Concen: 0.047 ppbv

RT: 5.29 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Tgt Ion: 43 Resp: 14666

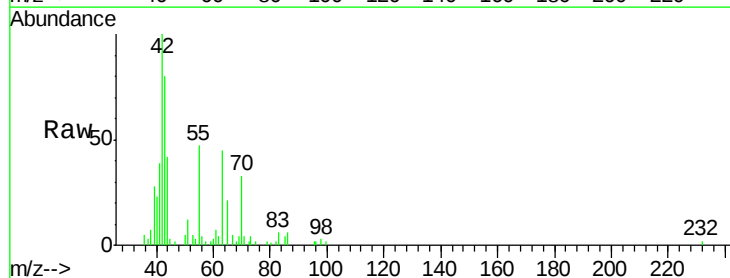
Ion Ratio Lower Upper

43 100

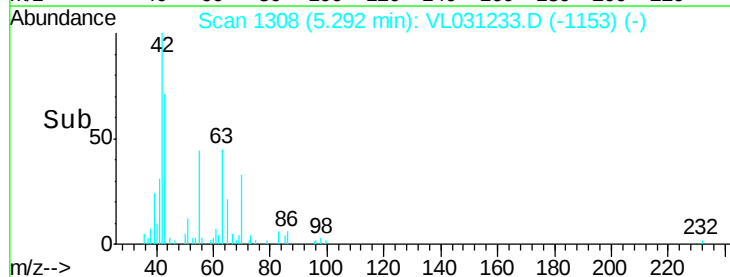
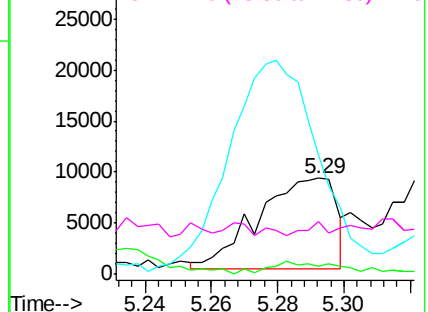
86 3.8 5.9 8.9#

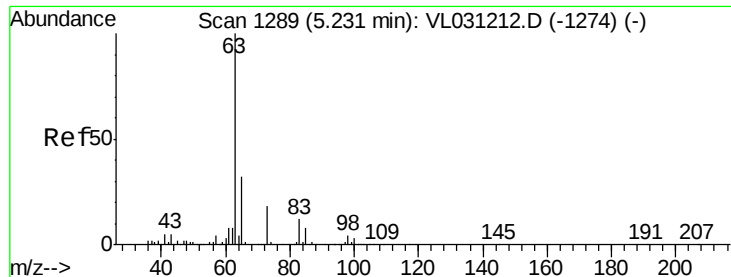
42 109.6 7.3 10.9#

44 8.7 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: 12.263 ppbv

RT: 5.23 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Instrument :
MSVOA_L
ClientSampleId :

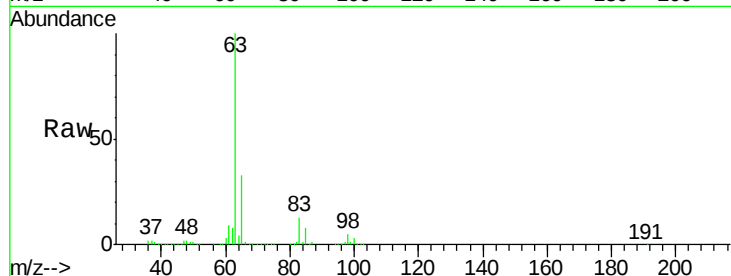
Tot Ion: 63 Resp: 2801866

Ion Ratio Lower Upper

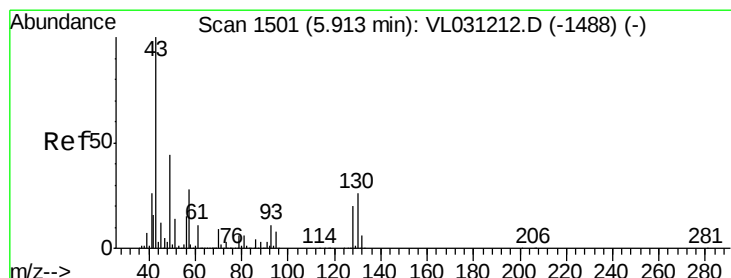
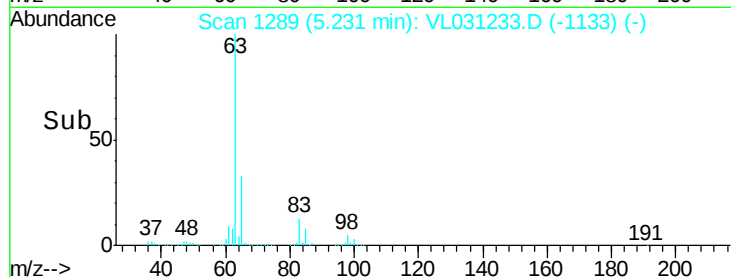
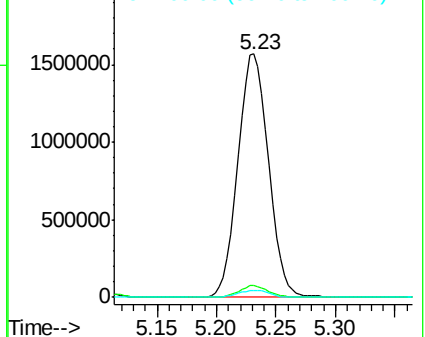
63 100

98 4.8 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: 0.160 ppbv

RT: 5.93 min Scan# 1505

Delta R.T. 0.01 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Tgt Ion: 43 Resp: 63888

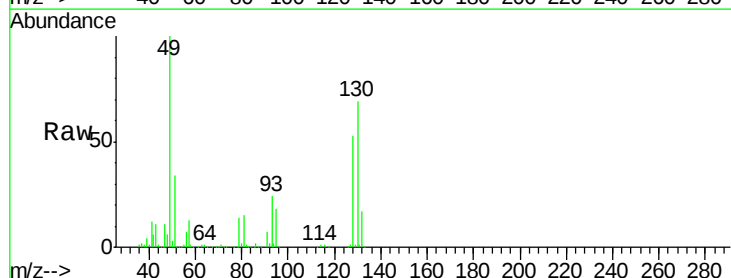
Ion Ratio Lower Upper

43 100

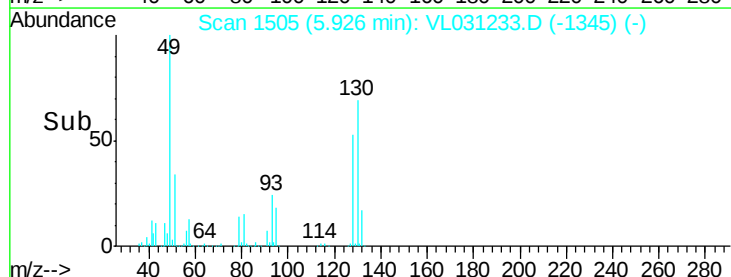
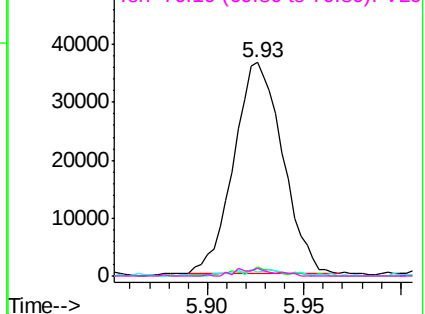
45 3.9 8.0 12.0#

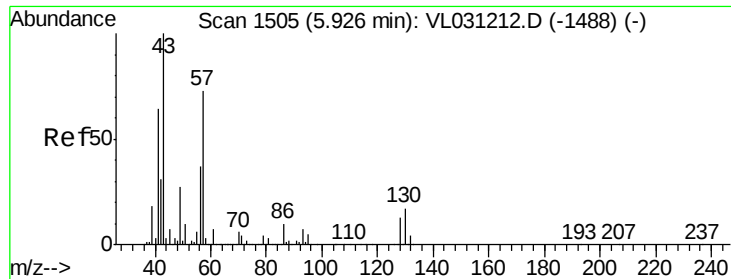
61 3.6 7.4 11.0#

70 2.7 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

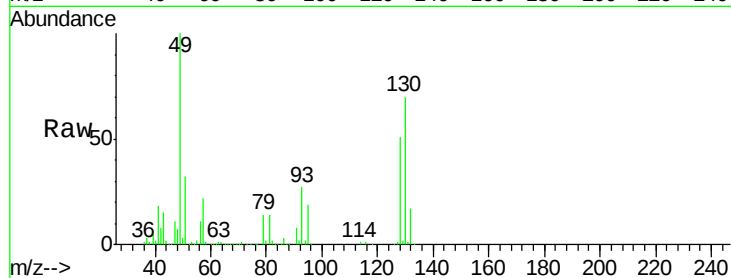




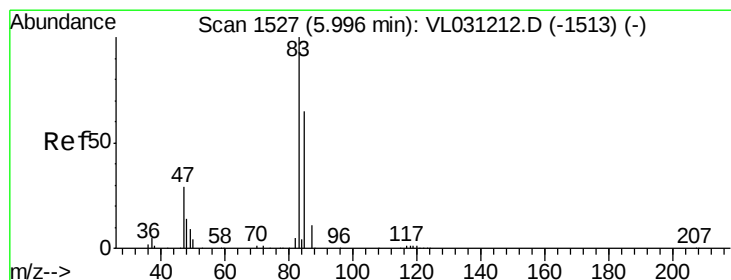
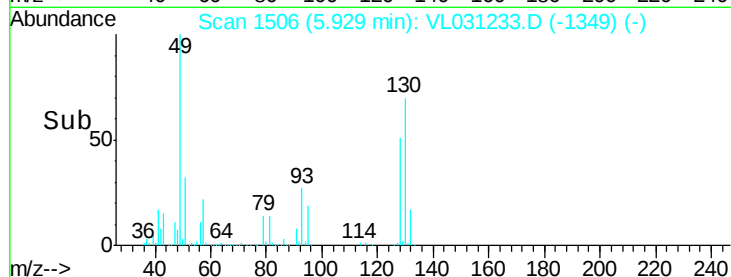
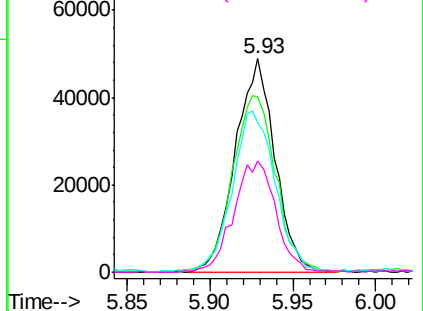
#26
Hexane
Concen: 0.429 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031233.D
Acq: 14 Dec 2017 15:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 81169
Ion Ratio Lower Upper
57 100
41 91.0 70.3 105.5
43 82.5 173.8 260.8#
56 55.5 41.7 62.5

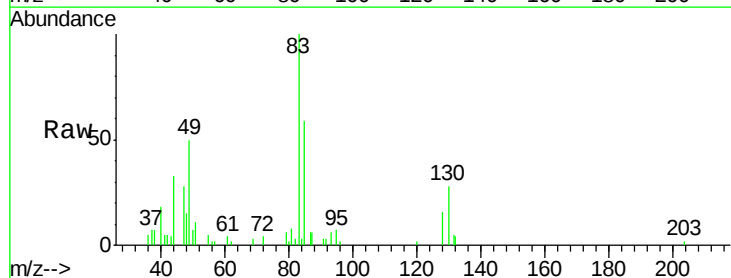


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

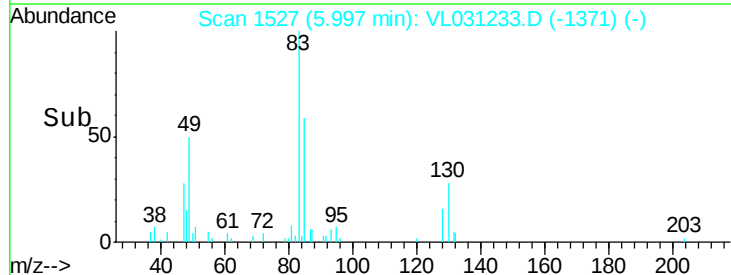
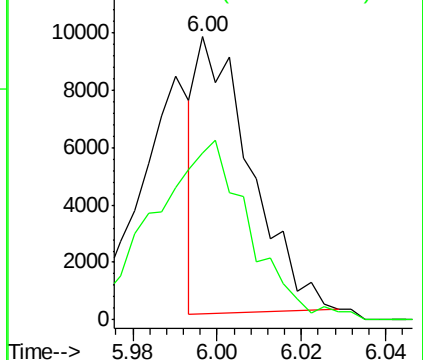


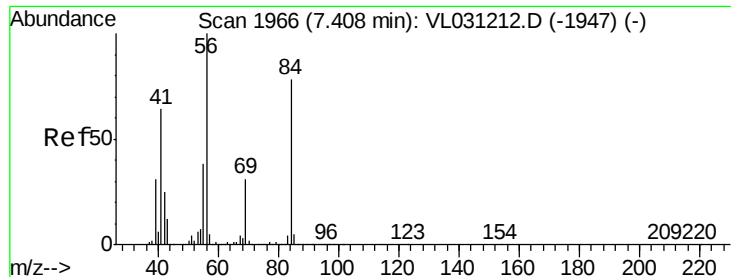
#29
Chloroform
Concen: 0.033 ppbv
RT: 6.00 min Scan# 1527
Delta R.T. 0.00 min
Lab File: VL031233.D
Acq: 14 Dec 2017 15:51

Tgt Ion: 83 Resp: 8451
Ion Ratio Lower Upper
83 100
85 58.6 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

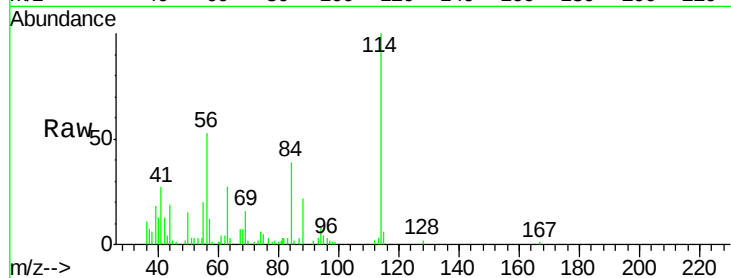




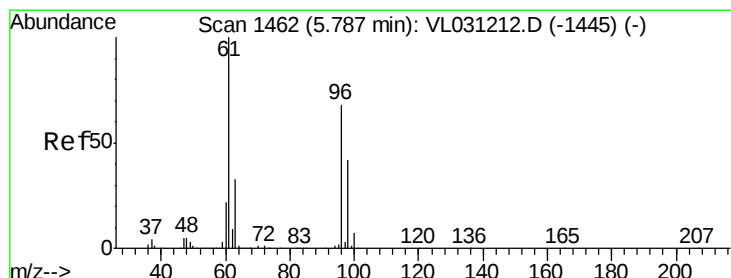
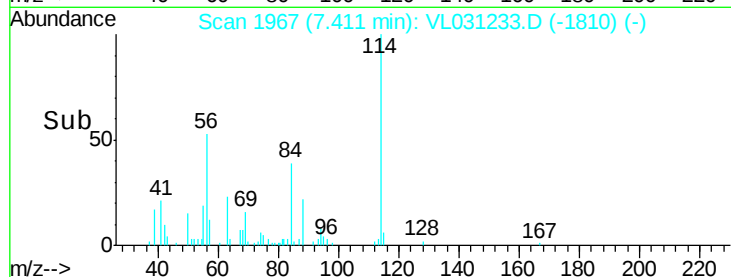
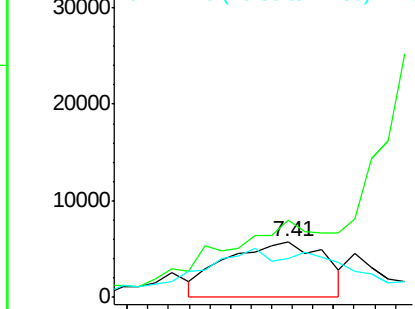
#30
Cvclohexane
Concen: 0.046 ppbv
RT: 7.41 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VL031233.D
Acq: 14 Dec 2017 15:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 7626
Ion Ratio Lower Upper
84 100
56 0.0 108.0 162.0#
41 136.0 66.2 99.4#

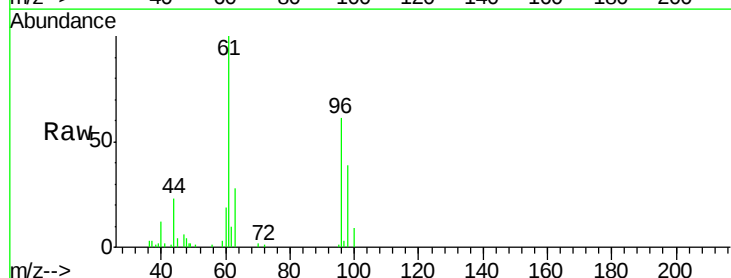


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

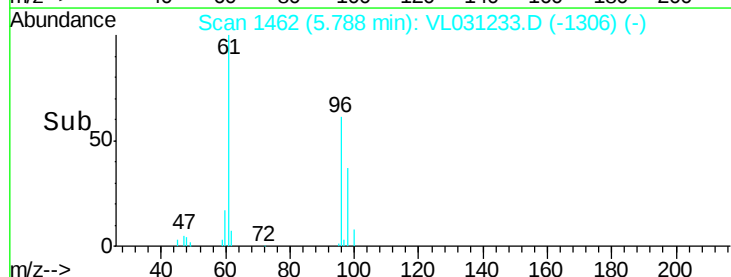
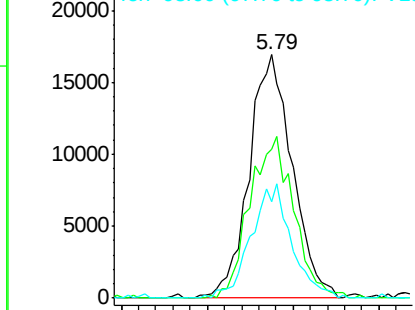


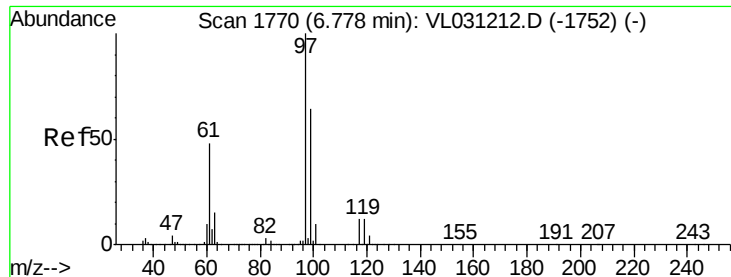
#31
cis-1,2-Dichloroethene
Concen: 0.171 ppbv
RT: 5.79 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VL031233.D
Acq: 14 Dec 2017 15:51

Tgt Ion: 61 Resp: 29404
Ion Ratio Lower Upper
61 100
96 61.4 54.4 81.6
98 39.4 33.6 50.4



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





#32

1,1,1-Trichloroethane

Concen: 46.650 ppbv

RT: 6.77 min Scan# 1769

Delta R.T. -0.00 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Instrument :

MSVOA_L

ClientSampleId :

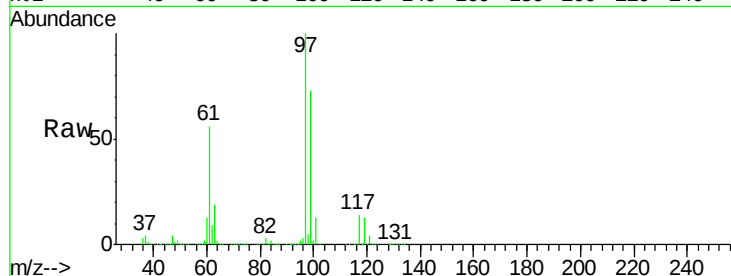
Tot Ion: 97 Resp:12742744

Ion Ratio Lower Upper

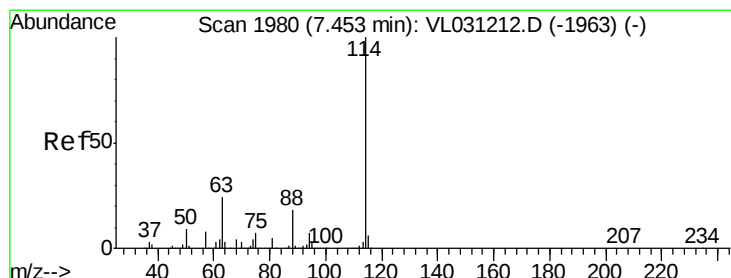
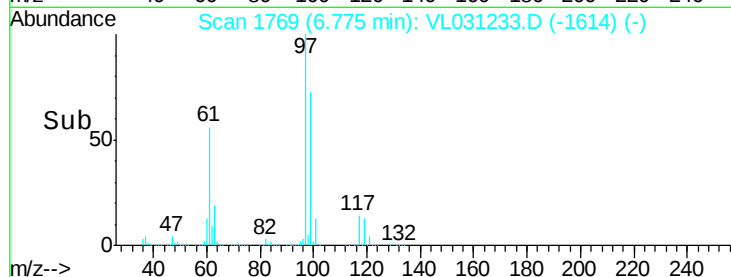
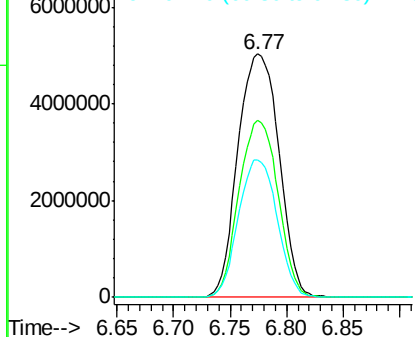
97 100

99 69.3 51.4 77.0

61 53.3 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: VL031233.D

Acq: 14 Dec 2017 15:51

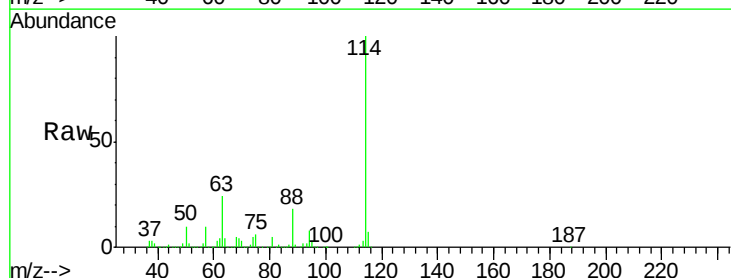
Tgt Ion:114 Resp: 3559372

Ion Ratio Lower Upper

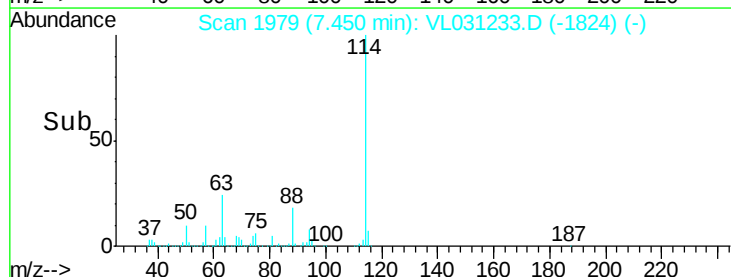
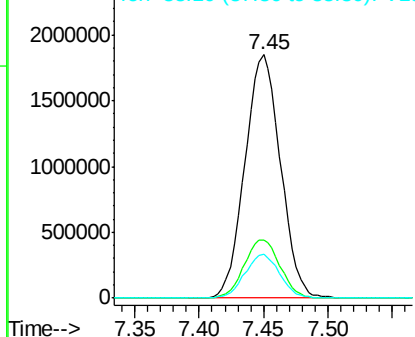
114 100

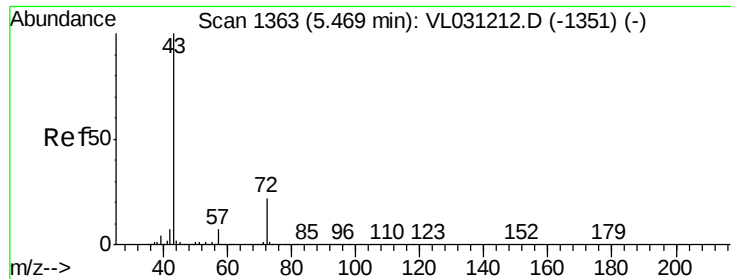
63 24.5 19.8 29.8

88 17.7 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

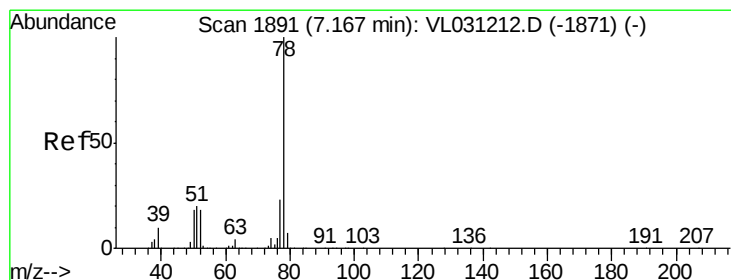
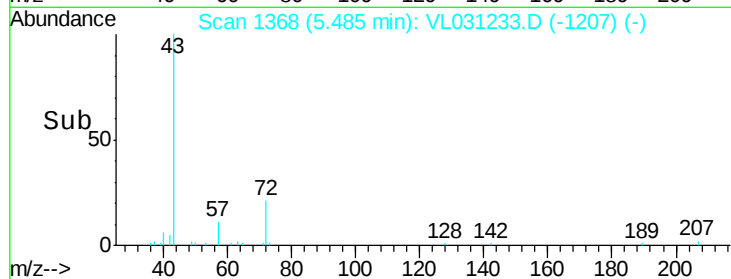
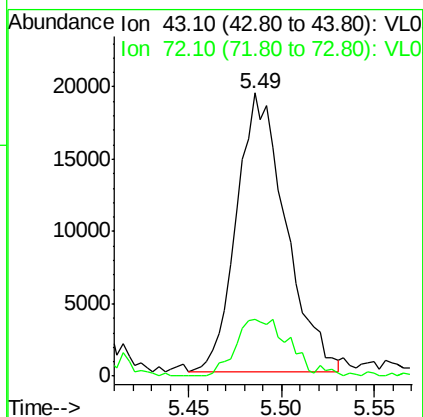
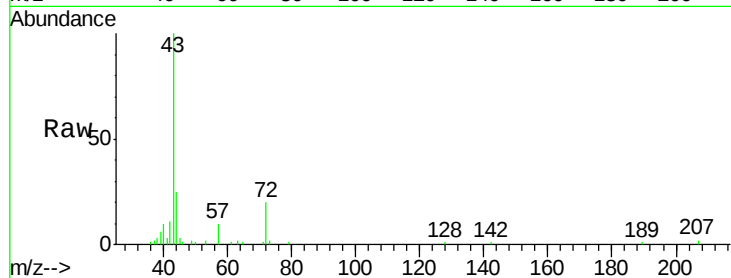




#34
2-Butanone
Concen: 0.141 ppbv
RT: 5.49 min Scan# 1368
Delta R.T. 0.02 min
Lab File: VL031233.D
Acq: 14 Dec 2017 15:51

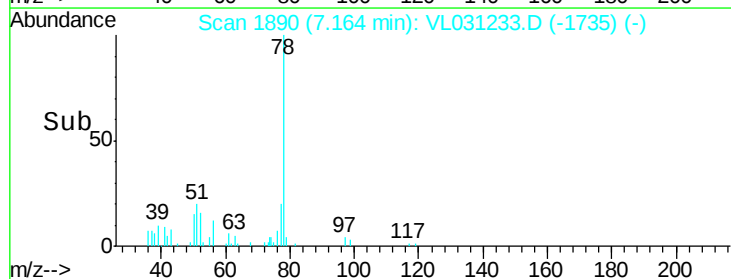
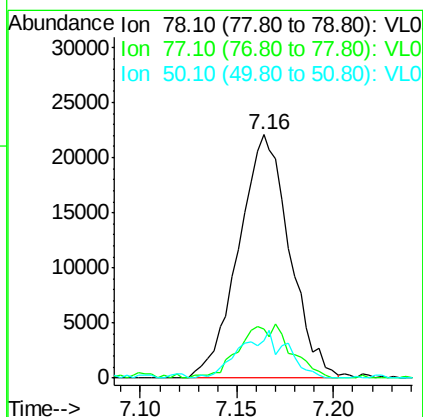
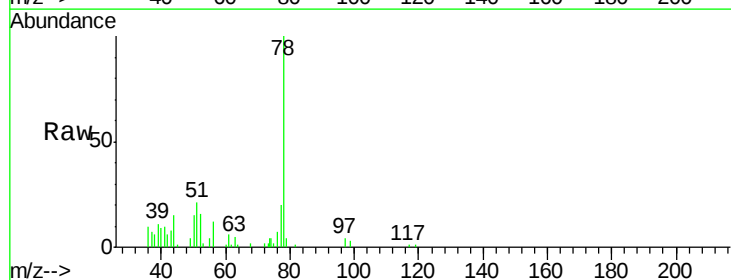
Instrument :
MSVOA_L
ClientSampleId :

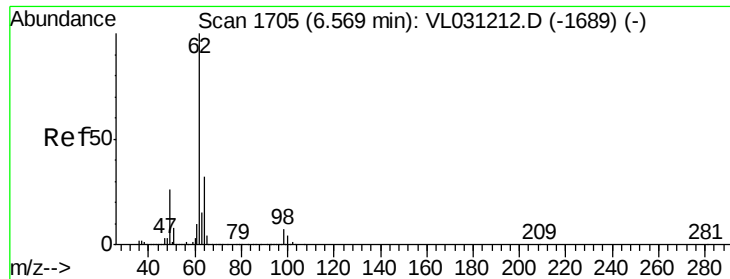
Tot Ion: 43 Resp: 35423
Ion Ratio Lower Upper
43 100
72 23.3 18.1 27.1



#36
Benzene
Concen: 0.107 ppbv
RT: 7.16 min Scan# 1890
Delta R.T. -0.00 min
Lab File: VL031233.D
Acq: 14 Dec 2017 15:51

Tgt Ion: 78 Resp: 40450
Ion Ratio Lower Upper
78 100
77 20.3 18.1 27.1
50 15.2 14.6 21.8

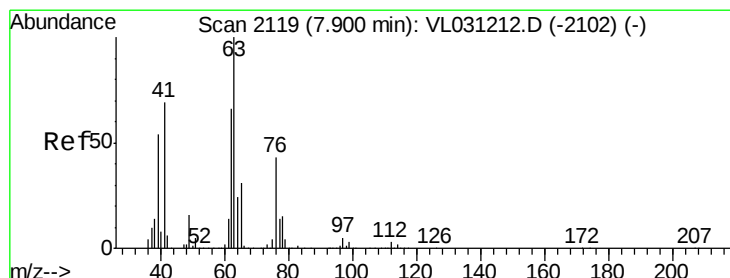
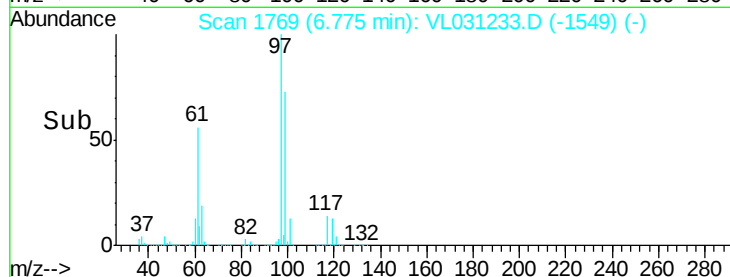
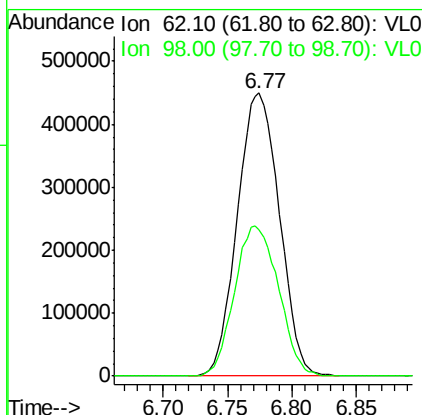
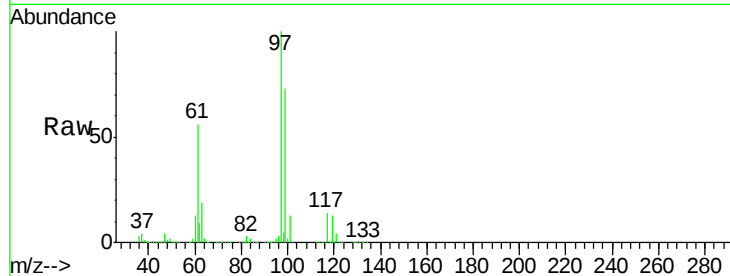




#37
 1,2-Dichloroethane
 Concen: 4.916 ppbv
 RT: 6.77 min Scan# 1769
 Delta R.T. 0.21 min
 Lab File: VL031233.D
 Acq: 14 Dec 2017 15:51

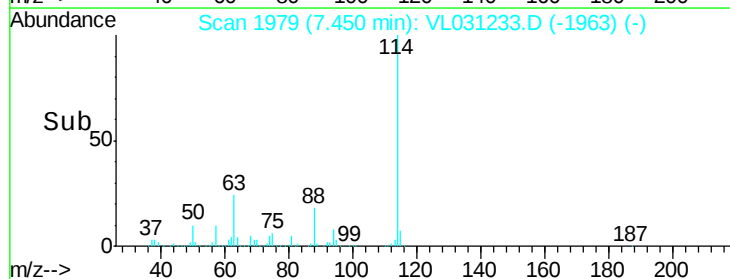
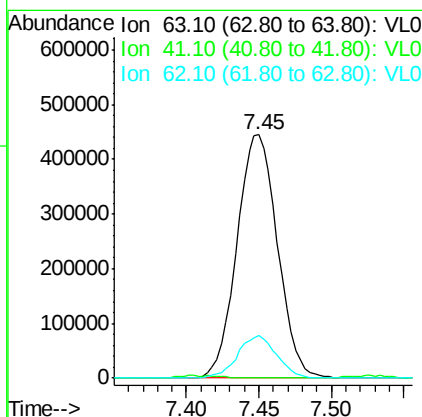
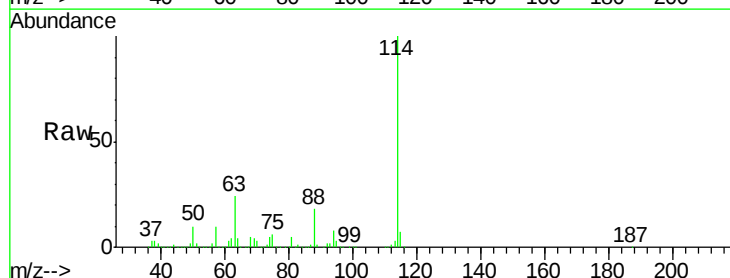
Instrument :
 MSVOA_L
 ClientSampled :

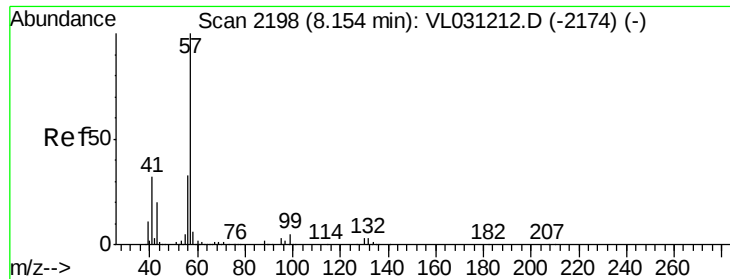
Tot Ion: 62 Resp: 1023204
 Ion Ratio Lower Upper
 62 100
 98 55.6 5.4 8.2#



#39
 1,2-Dichloropropane
 Concen: 6.455 ppbv
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.45 min
 Lab File: VL031233.D
 Acq: 14 Dec 2017 15:51

Tgt Ion: 63 Resp: 860948
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.2 82.8#
 62 17.4 53.0 79.4#





#44

2,2,4-Trimethylpentane

Concen: 0.039 ppbv

RT: 8.15 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VL031233.D

Acq: 14 Dec 2017 15:51

Instrument :

MSVOA_L

ClientSampled :

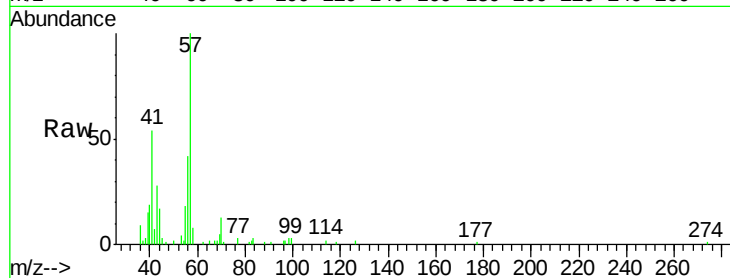
Tot Ion: 57 Resp: 22375

Ion Ratio Lower Upper

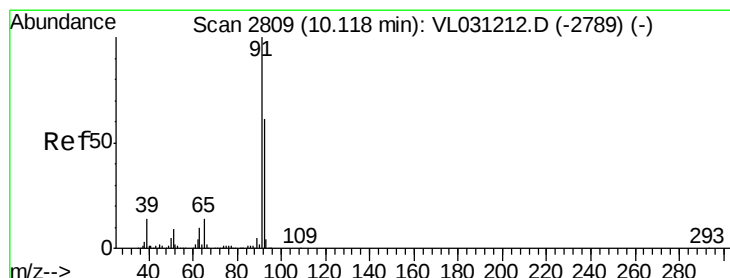
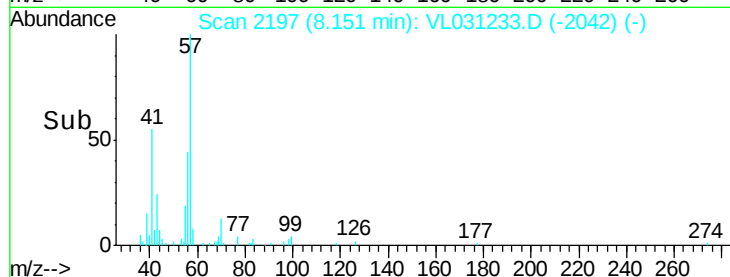
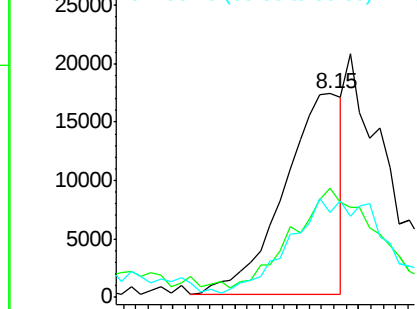
57 100

41 88.2 25.5 38.3#

56 86.6 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: 0.523 ppbv

RT: 10.12 min Scan# 2808

Delta R.T. -0.00 min

Lab File: VL031233.D

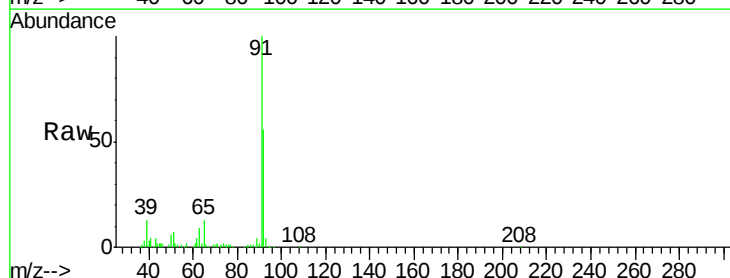
Acq: 14 Dec 2017 15:51

Tgt Ion: 91 Resp: 214186

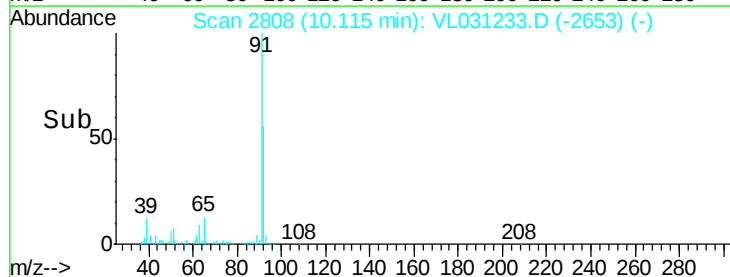
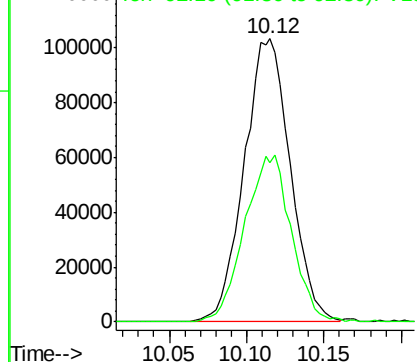
Ion Ratio Lower Upper

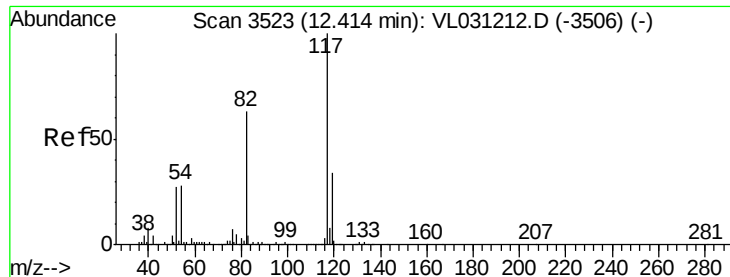
91 100

92 59.6 49.1 73.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

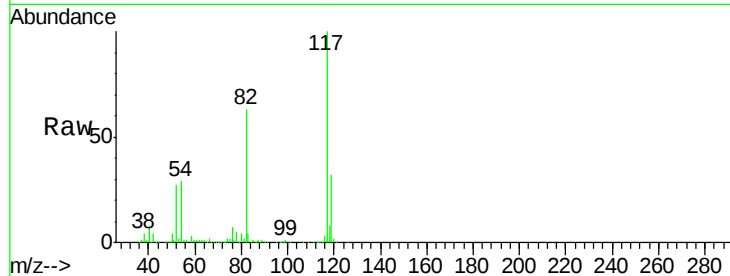




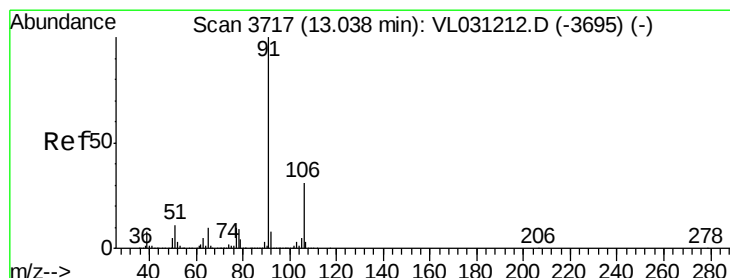
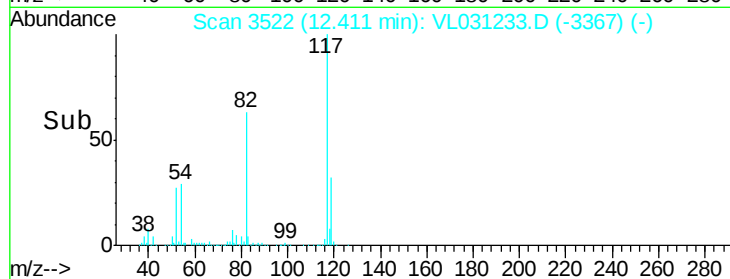
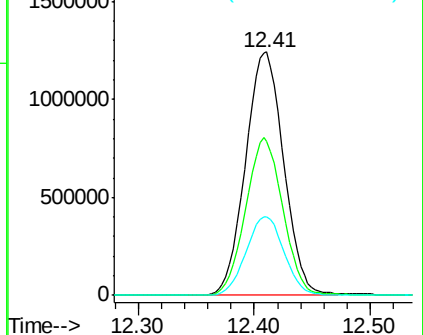
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031233.D
Acq: 14 Dec 2017 15:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2844431
Ion Ratio Lower Upper
117 100
82 64.1 48.1 72.1
119 32.5 23.1 34.7

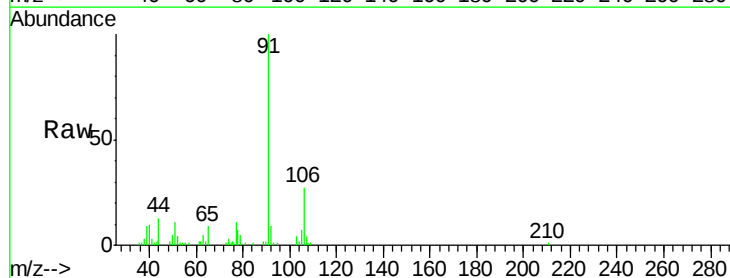


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

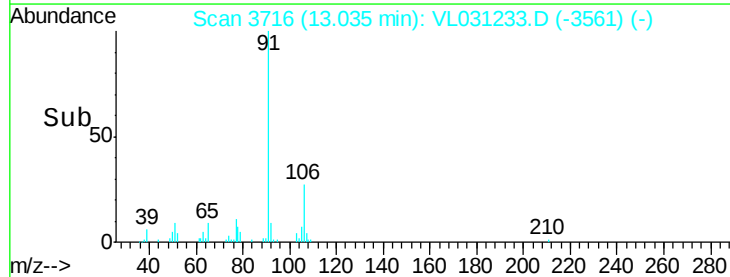
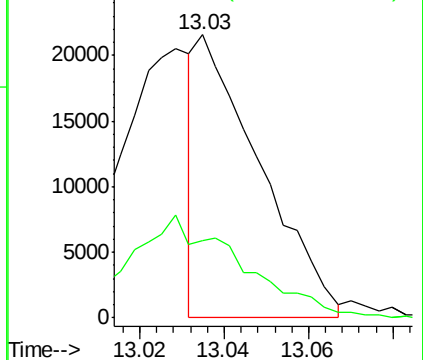


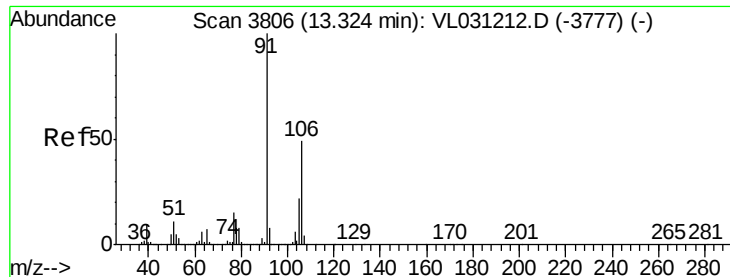
#58
Ethyl Benzene
Concen: 0.048 ppbv
RT: 13.03 min Scan# 3716
Delta R.T. -0.00 min
Lab File: VL031233.D
Acq: 14 Dec 2017 15:51

Tgt Ion: 91 Resp: 22370
Ion Ratio Lower Upper
91 100
106 26.9 25.1 37.7



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

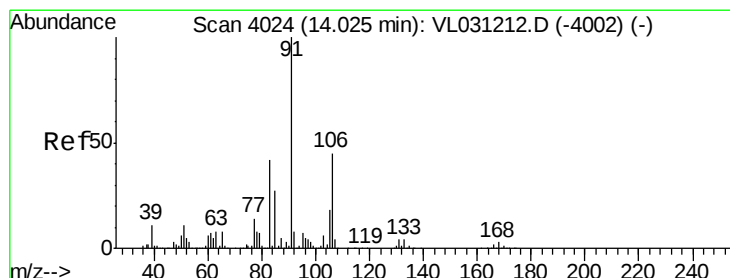
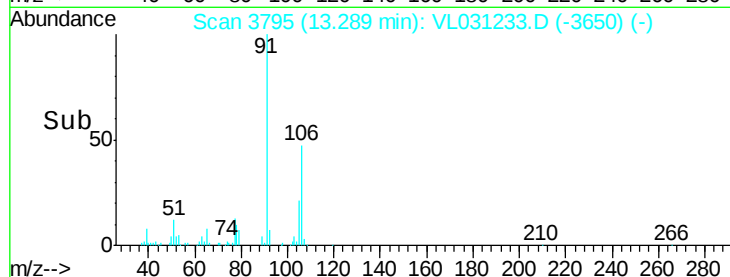
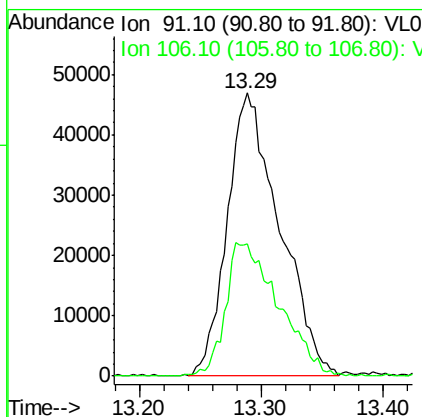
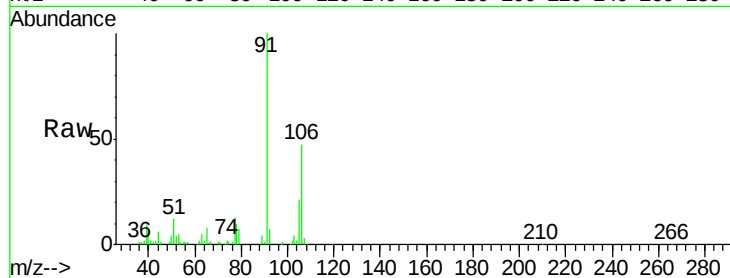




#59
m/p-Xylene
Concen: 0.373 ppbv
RT: 13.29 min Scan# 3795
Delta R.T. -0.04 min
Lab File: VL031233.D
Acq: 14 Dec 2017 15:51

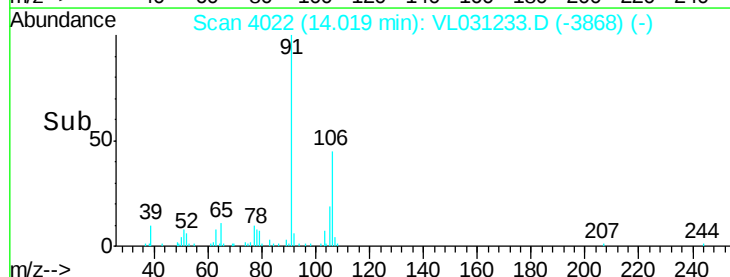
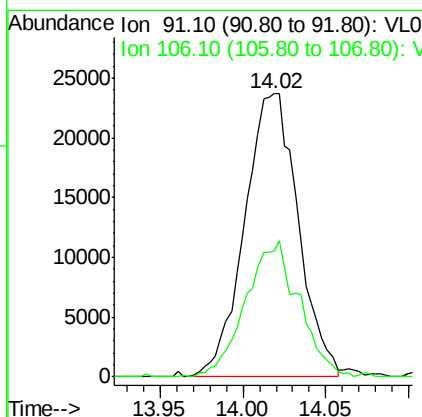
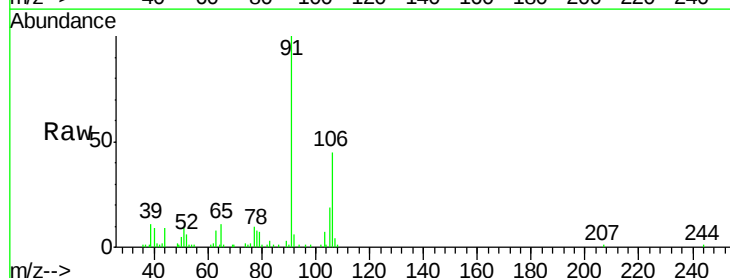
Instrument :
MSVOA_L
ClientSampleId :

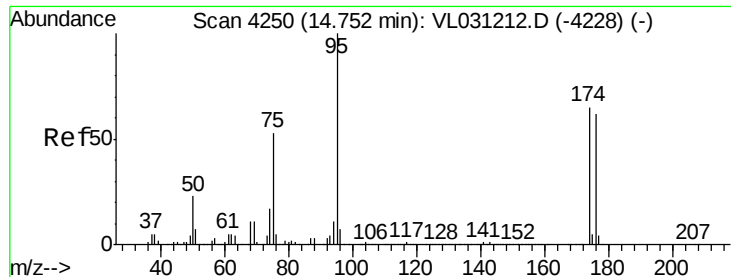
Tot Ion: 91 Resp: 140354
Ion Ratio Lower Upper
91 100
106 47.7 38.5 57.7



#60
o-Xylene
Concen: 0.140 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031233.D
Acq: 14 Dec 2017 15:51

Tgt Ion: 91 Resp: 53179
Ion Ratio Lower Upper
91 100
106 48.0 22.7 68.1

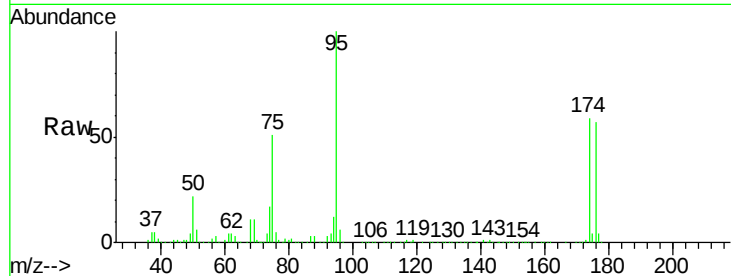




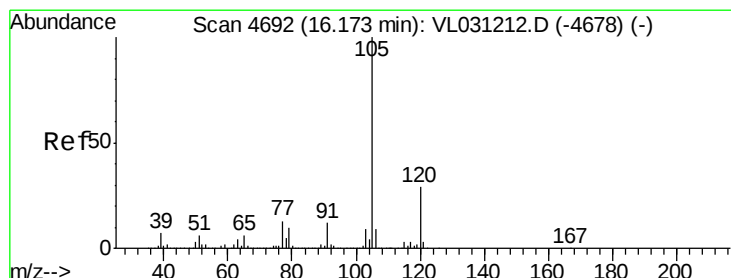
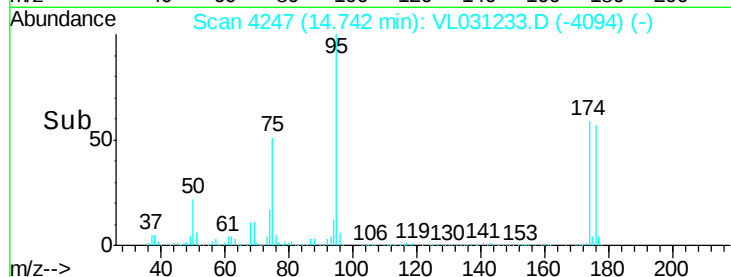
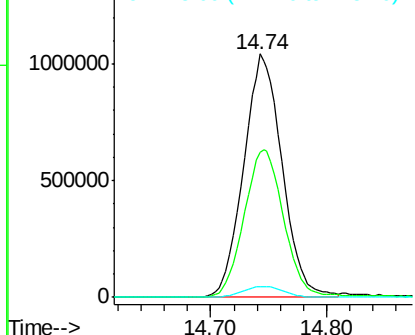
#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.869 ppbv
 RT: 14.74 min Scan# 4247
 Delta R.T. -0.01 min
 Lab File: VL031233.D
 Acq: 14 Dec 2017 15:51

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 2401479
 Ion Ratio Lower Upper
 95 100
 174 62.6 52.5 78.7
 175 4.8 4.1 6.1

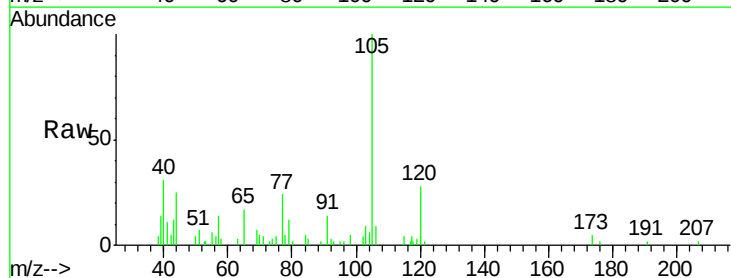


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

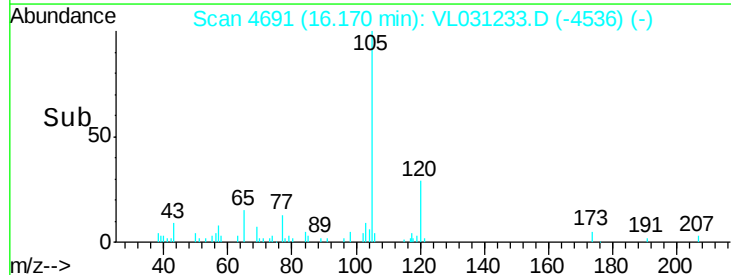
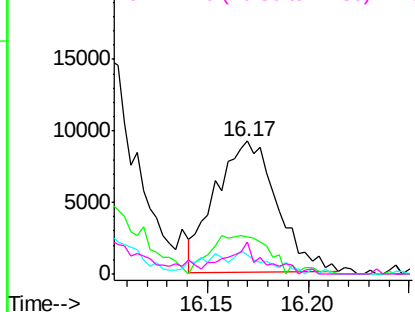


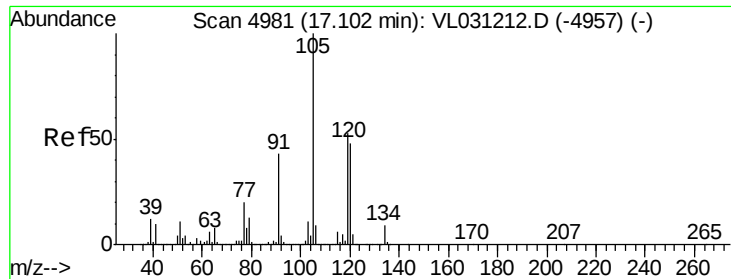
#72
 4-Ethyltoluene
 Concen: 0.047 ppbv
 RT: 16.17 min Scan# 4691
 Delta R.T. -0.00 min
 Lab File: VL031233.D
 Acq: 14 Dec 2017 15:51

Tgt Ion: 105 Resp: 19586
 Ion Ratio Lower Upper
 105 100
 120 29.3 24.2 36.2
 91 17.6 9.8 14.8#
 77 17.7 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

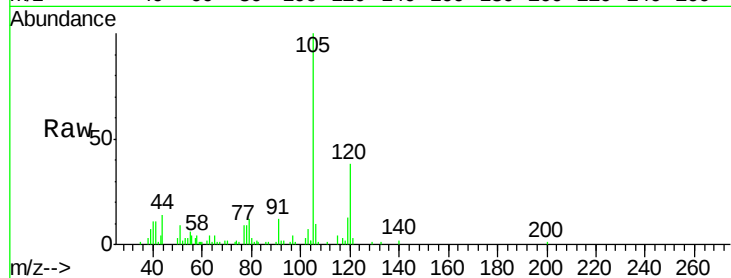




#74
 1,2,4-Trimethylbenzene
 Concen: 0.136 ppbv
 RT: 17.09 min Scan# 4978
 Delta R.T. -0.01 min
 Lab File: VL031233.D
 Acq: 14 Dec 2017 15:51

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:	105	Resp:	52773
Ion	Ratio	Lower	Upper
105	100		
120	38.4	38.6	58.0#
91	12.2	34.2	51.4#
77	8.3	16.1	24.1#



Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

