

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026229.D
 Acq On : 21 Oct 2015 6:15
 Operator : SY/MD
 Sample : G4112-01 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SUBSLAB-233

Quant Time: Oct 21 06:45:41 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 2015
 QLast Update : Wed Oct 21 01:20:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.62	49	516258	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.29	114	1497473	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.71	117	1789460	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.25	95	1434210	10.39	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

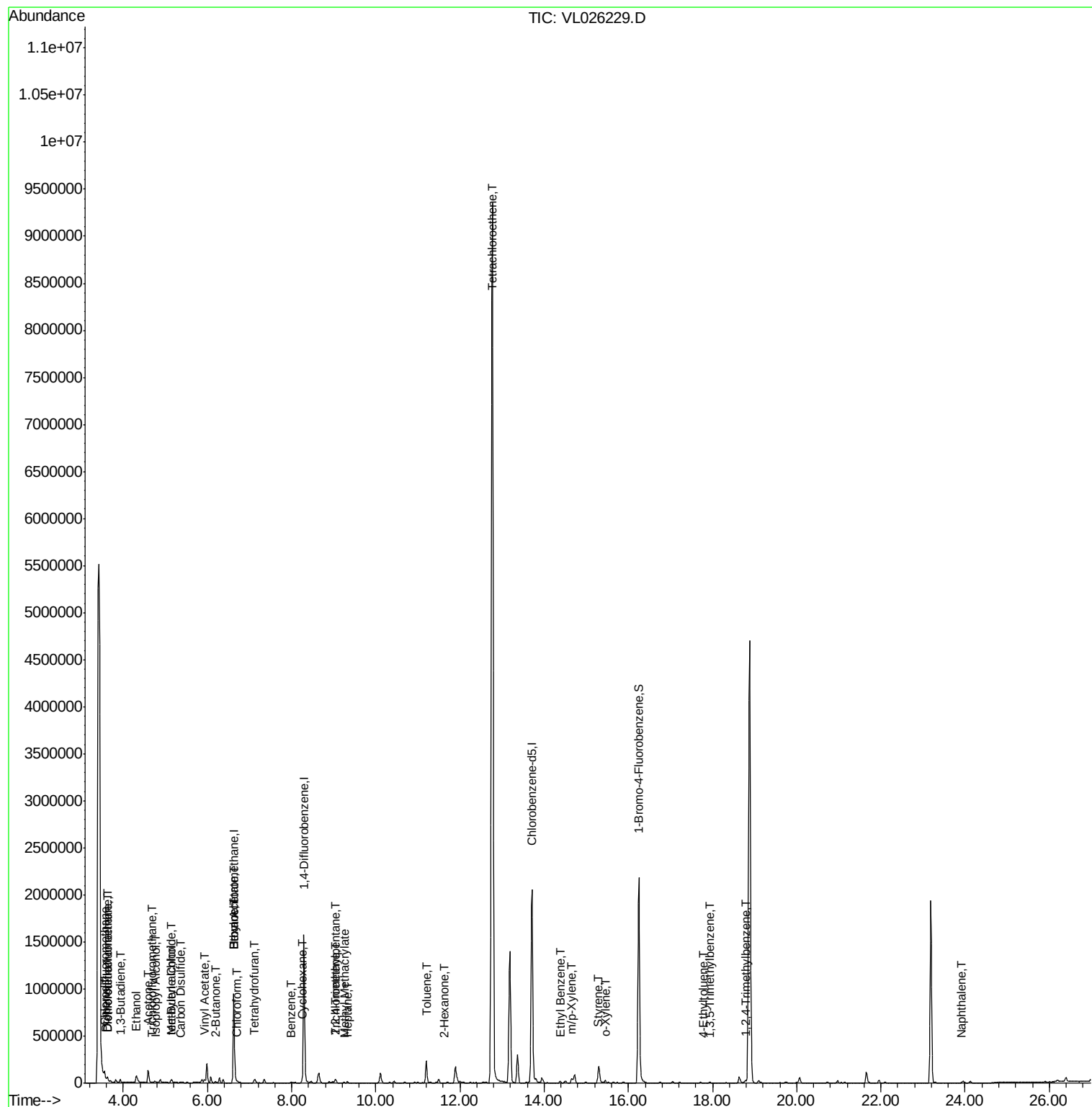
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.62	85	40620	0.38	ppbv	98
3) Chlorodifluoromethane	3.56	51	72978	1.12	ppbv	97
8) Dichlorotetrafluoroethane	3.62	85	40620	0.44	ppbv #	13
9) Propene	3.59	41	2999	0.10	ppbv	97
10) Heptane	9.32	43	8705	0.08	ppbv	92
11) Trichlorofluoromethane	4.68	101	5279	0.05	ppbv #	80
13) Ethanol	4.31	45	123284	26.86	ppbv	95
15) Acetone	4.59	43	165219	2.17	ppbv	92
16) 1,3-Butadiene	3.93	39	9394	0.28	ppbv #	9
17) tert-Butyl alcohol	5.14	59	40543	0.78	ppbv	99
19) Isopropyl Alcohol	4.76	45	17119	0.58	ppbv #	27
20) Methylene Chloride	5.13	84	3086	0.10	ppbv	89
23) Vinyl Acetate	5.93	43	17521	0.13	ppbv #	1
25) Ethyl Acetate	6.63	43	37544	0.26	ppbv #	83
26) Hexane	6.63	57	43088	0.61	ppbv #	55
27) Carbon Disulfide	5.37	76	6196	0.07	ppbv #	1
29) Chloroform	6.71	83	5351	0.05	ppbv #	82
30) Cyclohexane	8.26	84	14011	0.20	ppbv #	28
34) 2-Butanone	6.19	43	18461	0.22	ppbv	98
36) Benzene	7.99	78	9418	0.06	ppbv	98
38) Trichloroethene	9.02	130	11125	0.15	ppbv	88
41) Tetrahydrofuran	7.12	42	32645	0.67	ppbv	95
43) Methyl Methacrylate	9.25	69	4306	0.08	ppbv #	89
44) 2,2,4-Trimethylpentane	9.06	57	11758	0.05	ppbv #	12
51) 2-Hexanone	11.63	43	3410	0.03	ppbv #	63
52) Tetrachloroethene	12.77	164	3686889	42.15	ppbv	97
53) Toluene	11.20	91	246892	1.19	ppbv	98
58) Ethyl Benzene	14.38	91	25168	0.09	ppbv	99
59) m/p-Xylene	14.65	91	63084	0.28	ppbv	99
60) o-Xylene	15.46	91	26826	0.11	ppbv	99
61) Styrene	15.27	104	23247	0.22	ppbv	99
72) 4-Ethyltoluene	17.78	105	7226	0.03	ppbv #	87
73) 1,3,5-Trimethylbenzene	17.95	105	7982	0.03	ppbv	88
74) 1,2,4-Trimethylbenzene	18.79	105	25059	0.09	ppbv #	74
79) Naphthalene	23.91	128	7747	0.03	ppbv #	69

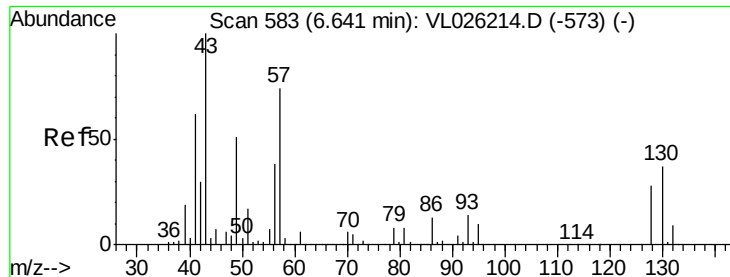
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 21 06:45:41 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.62 min Scan# 580

Delta R.T. -0.02 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Instrument :

MSVOA_L

ClientSampleId :

SUBSLAB-233

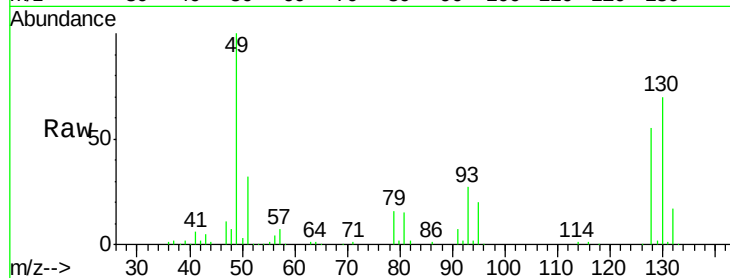
Tot Ion: 49 Resp: 516258

Ion Ratio Lower Upper

49 100

128 56.2 28.2 84.7

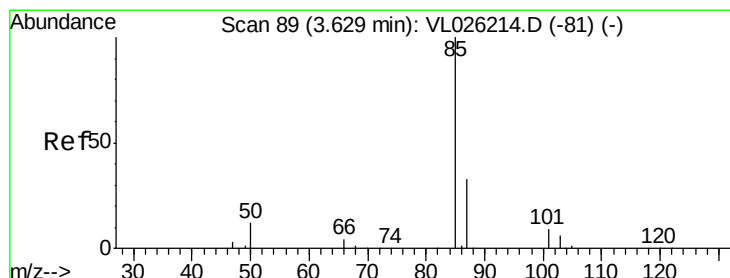
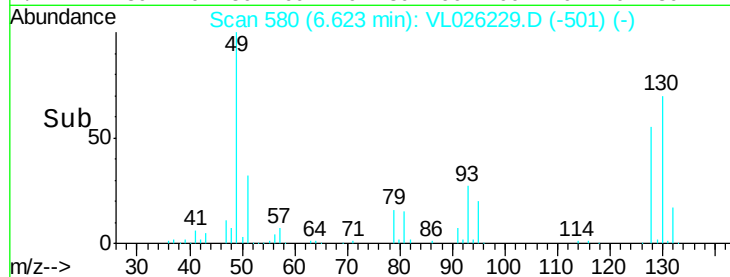
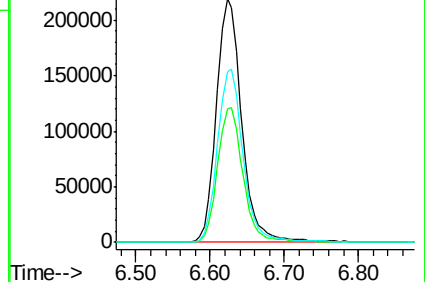
130 72.8 36.0 108.1



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: 0.38 ppbv

RT: 3.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VL026229.D

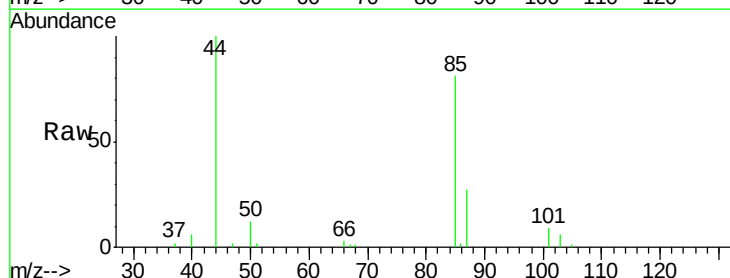
Acq: 21 Oct 2015 6:15

Tgt Ion: 85 Resp: 40620

Ion Ratio Lower Upper

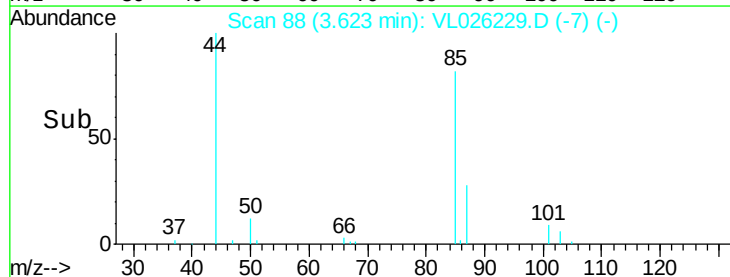
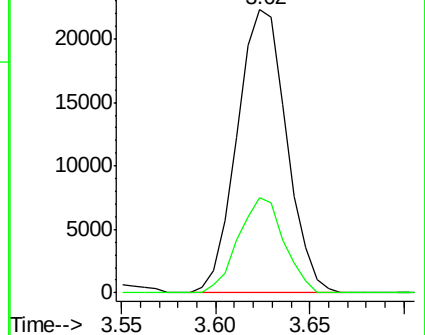
85 100

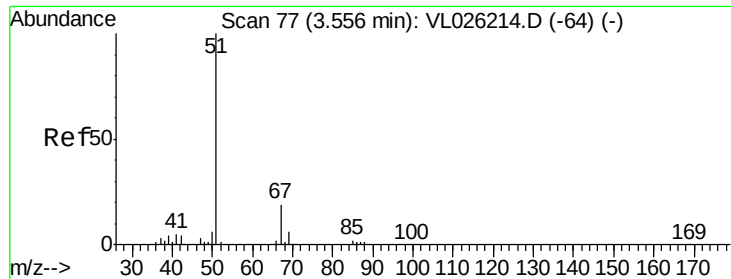
87 33.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.12 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Instrument :

MSVOA_L

ClientSampleId :

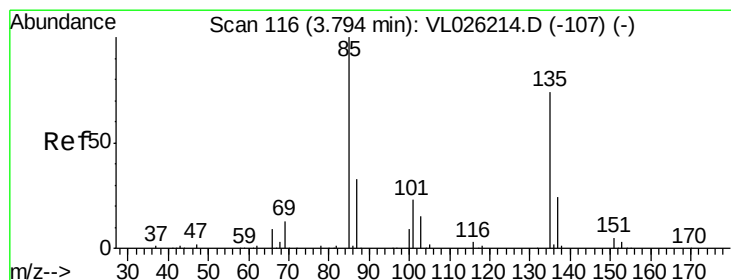
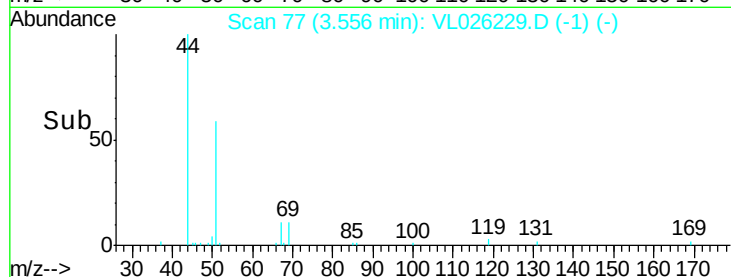
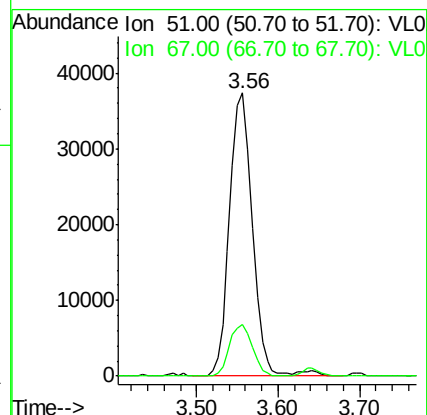
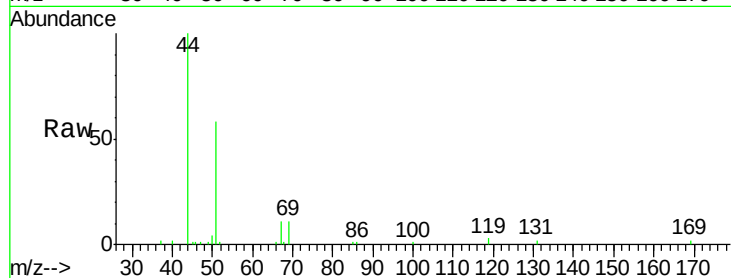
SUBSLAB-233

Tot Ion: 51 Resp: 72978

Ion Ratio Lower Upper

51 100

67 17.9 15.3 22.9



#8

Dichlorotetrafluoroethane

Concen: 0.44 ppbv

RT: 3.62 min Scan# 88

Delta R.T. -0.17 min

Lab File: VL026229.D

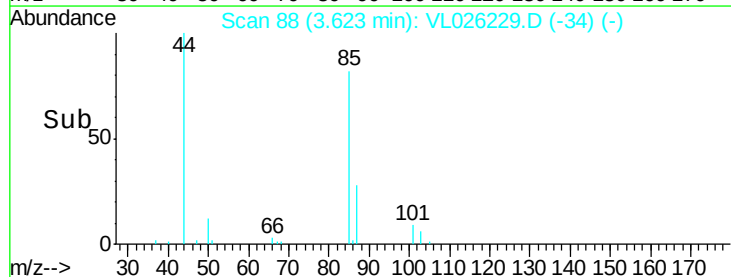
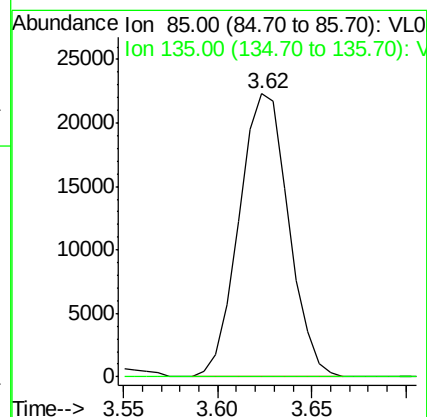
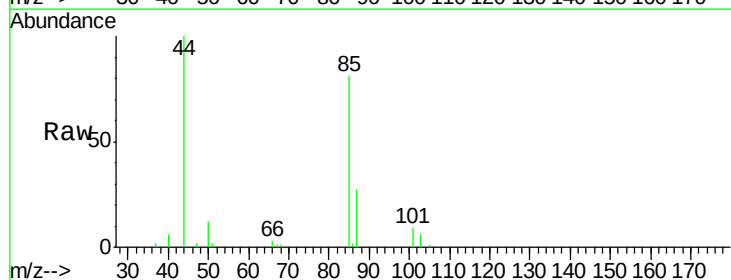
Acq: 21 Oct 2015 6:15

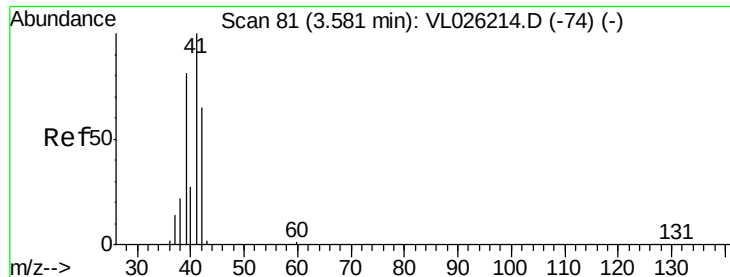
Tgt Ion: 85 Resp: 40620

Ion Ratio Lower Upper

85 100

135 0.0 57.8 86.8#





#9

Propene

Concen: 0.10 ppbv

RT: 3.59 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Instrument :

MSVOA_L

ClientSampleId :

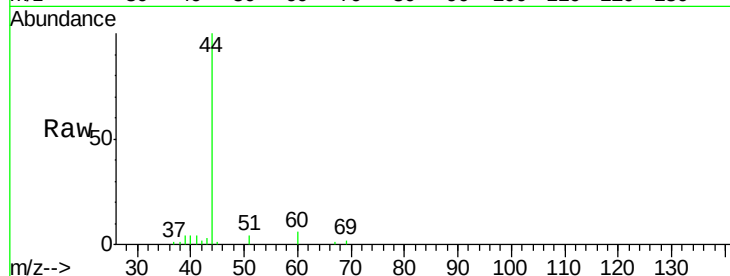
SUBSLAB-233

Tot Ion: 41 Resp: 2999

Ion Ratio Lower Upper

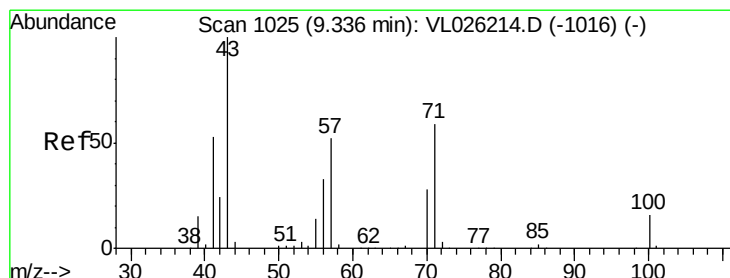
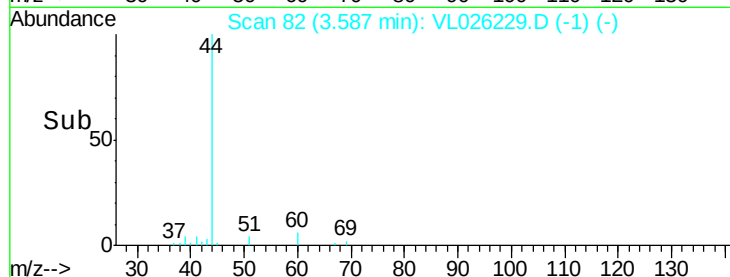
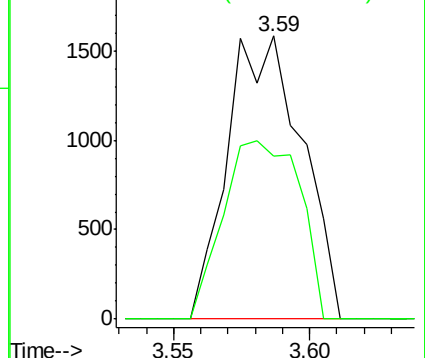
41 100

42 64.6 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.08 ppbv

RT: 9.32 min Scan# 1022

Delta R.T. -0.02 min

Lab File: VL026229.D

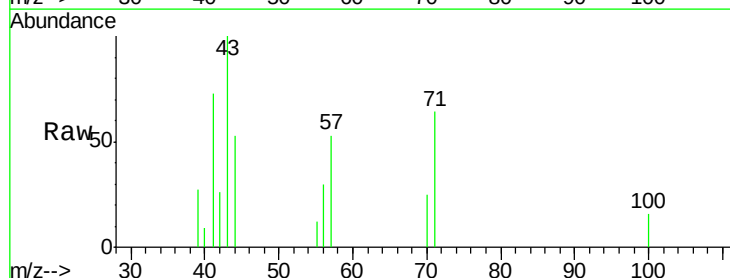
Acq: 21 Oct 2015 6:15

Tgt Ion: 43 Resp: 8705

Ion Ratio Lower Upper

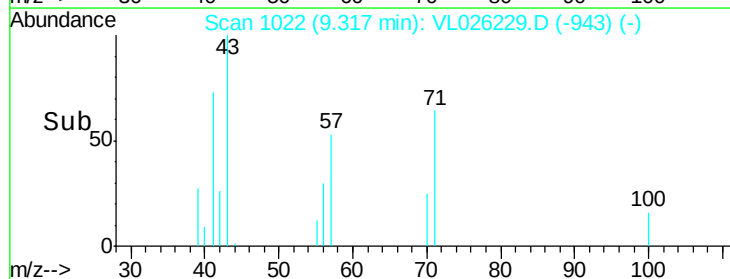
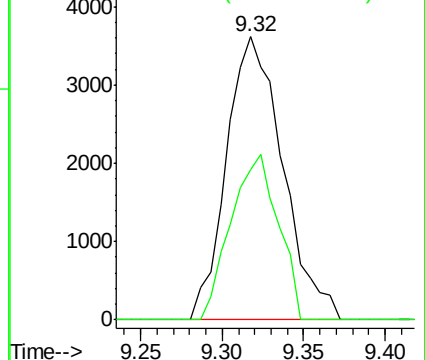
43 100

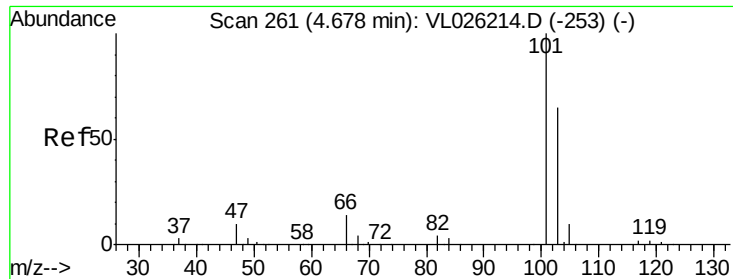
57 49.1 43.7 65.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.05 ppbv

RT: 4.68 min Scan# 261

Delta R.T. 0.00 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Instrument :

MSVOA_L

ClientSampleId :

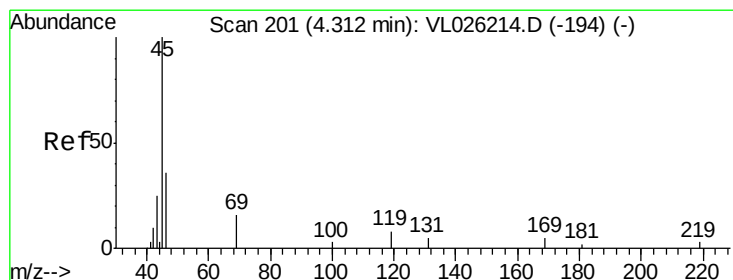
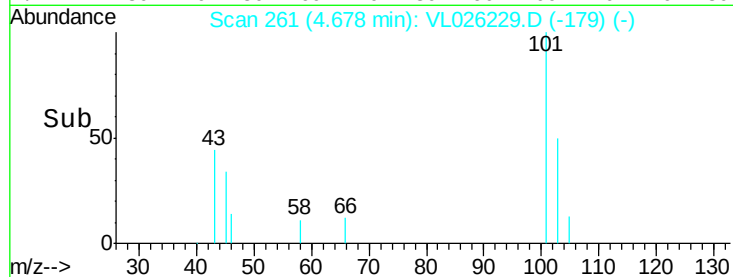
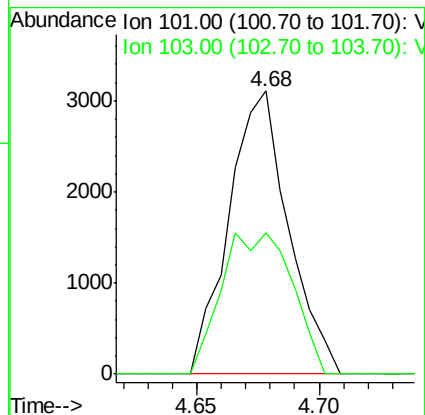
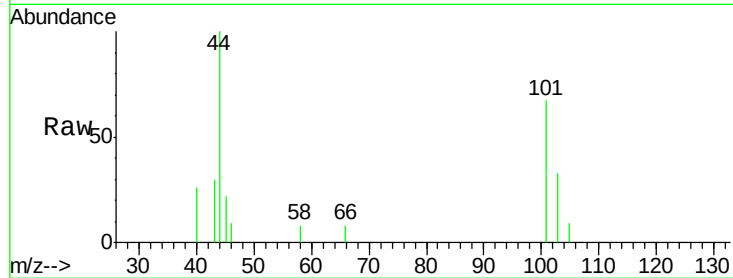
SUBSLAB-233

Tot Ion:101 Resp: 5279

Ion Ratio Lower Upper

101 100

103 49.8 52.2 78.2#



#13

Ethanol

Concen: 26.86 ppbv

RT: 4.31 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL026229.D

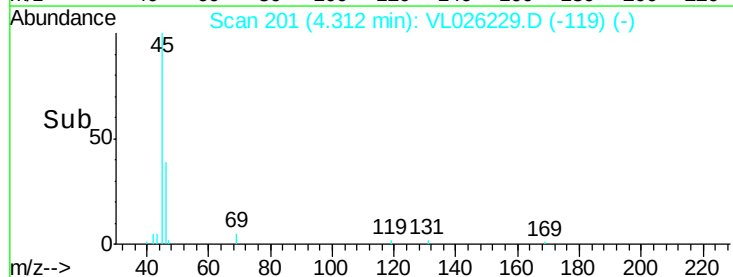
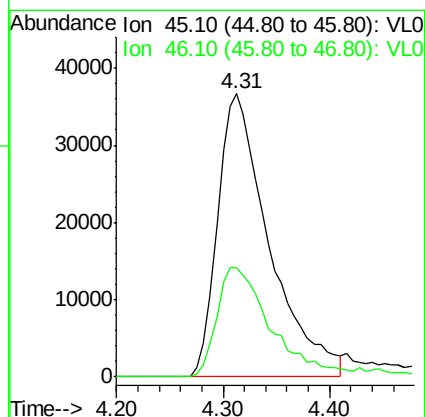
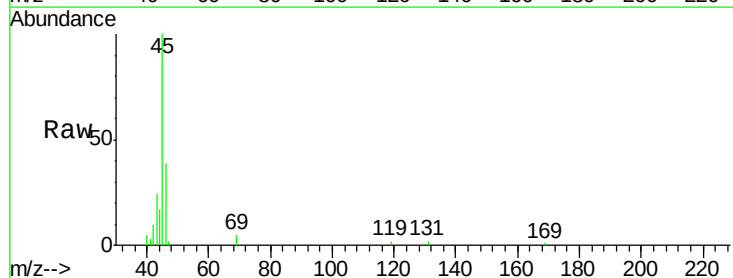
Acq: 21 Oct 2015 6:15

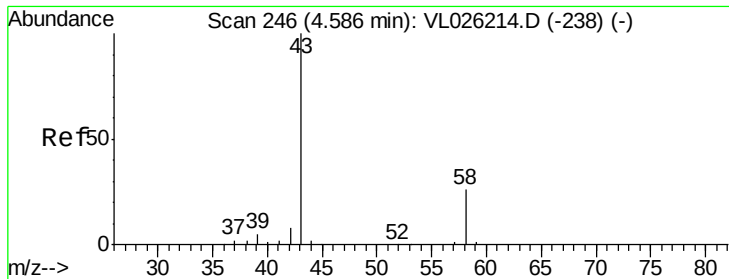
Tgt Ion: 45 Resp: 123284

Ion Ratio Lower Upper

45 100

46 42.6 15.8 63.0





#15

Acetone

Concen: 2.17 ppbv

RT: 4.59 min Scan# 247

Delta R.T. 0.01 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Instrument :

MSVOA_L

ClientSampleId :

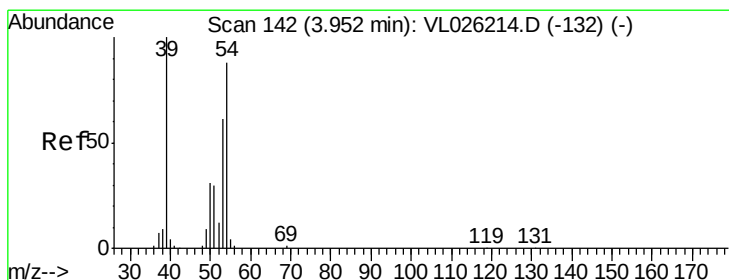
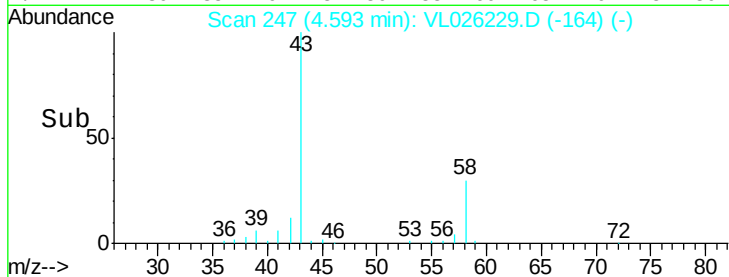
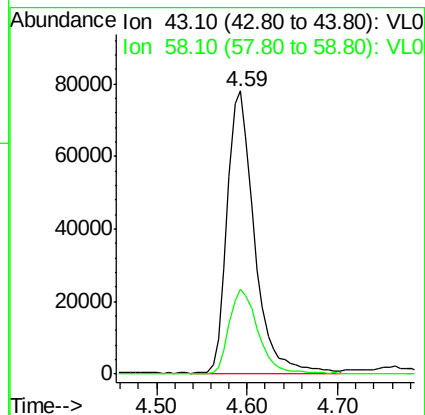
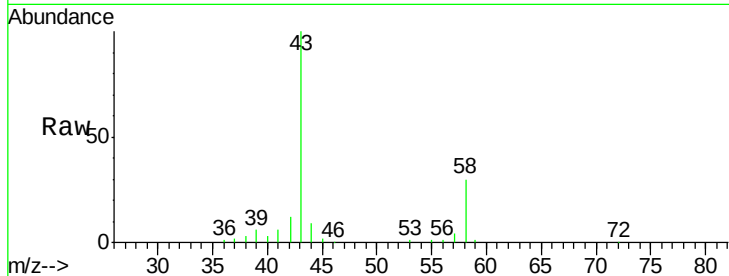
SUBSLAB-233

Tot Ion: 43 Resp: 165219

Ion Ratio Lower Upper

43 100

58 31.6 21.8 32.6



#16

1,3-Butadiene

Concen: 0.28 ppbv

RT: 3.93 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL026229.D

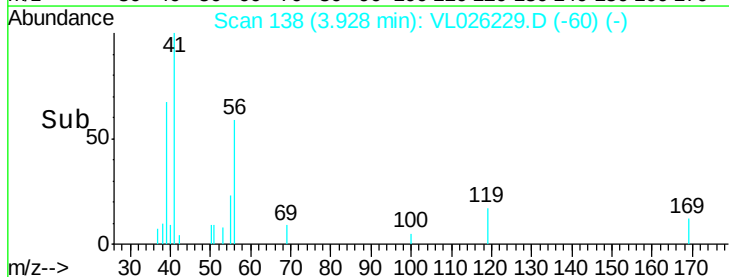
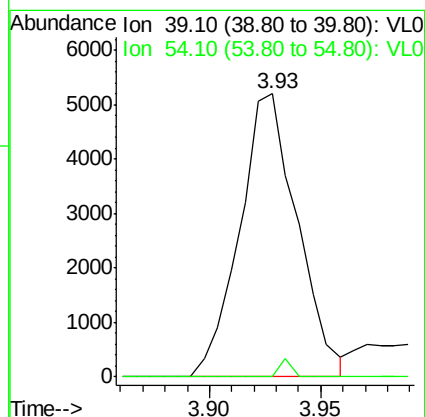
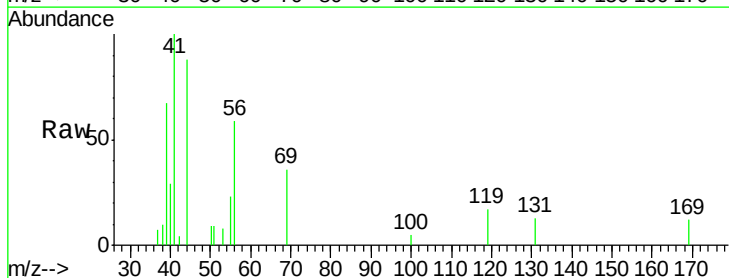
Acq: 21 Oct 2015 6:15

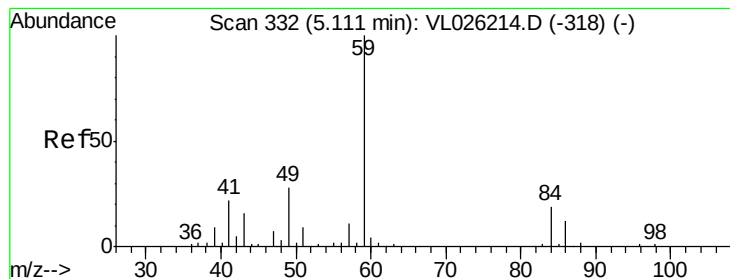
Tgt Ion: 39 Resp: 9394

Ion Ratio Lower Upper

39 100

54 1.3 67.3 100.9#





#17

tert-Butyl alcohol

Concen: 0.78 ppbv

RT: 5.14 min Scan# 337

Delta R.T. 0.03 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Instrument :

MSVOA_L

ClientSampleId :

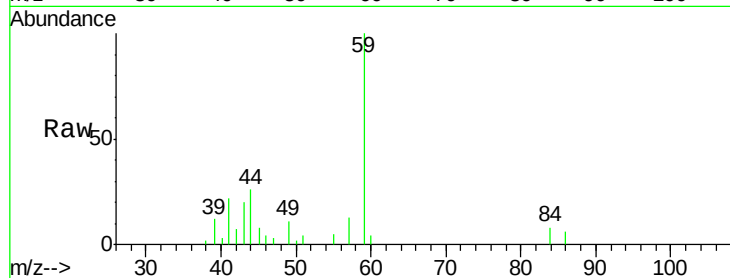
SUBSLAB-233

Tot Ion: 59 Resp: 40543

Ion Ratio Lower Upper

59 100

57 10.3 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

5.14

15000

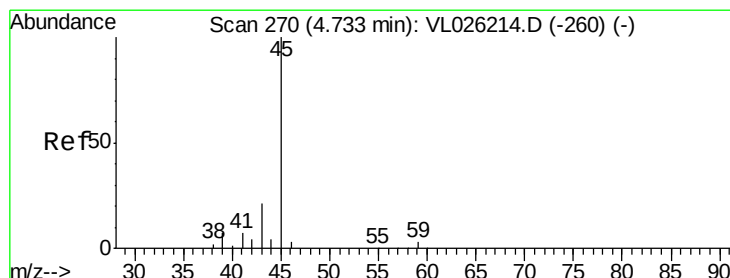
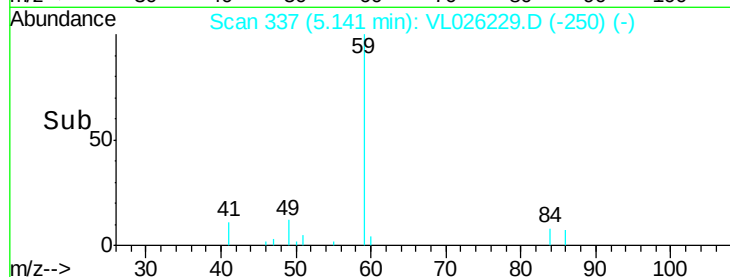
10000

5000

0

Time-->

5.05 5.10 5.15 5.20 5.25



#19

Isopropyl Alcohol

Concen: 0.58 ppbv

RT: 4.76 min Scan# 275

Delta R.T. 0.03 min

Lab File: VL026229.D

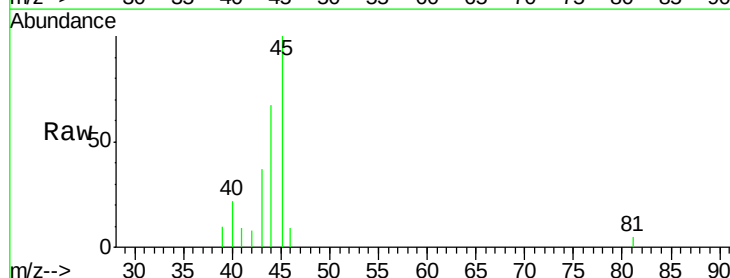
Acq: 21 Oct 2015 6:15

Tgt Ion: 45 Resp: 17119

Ion Ratio Lower Upper

45 100

58 0.0 40.3 60.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.76

6000

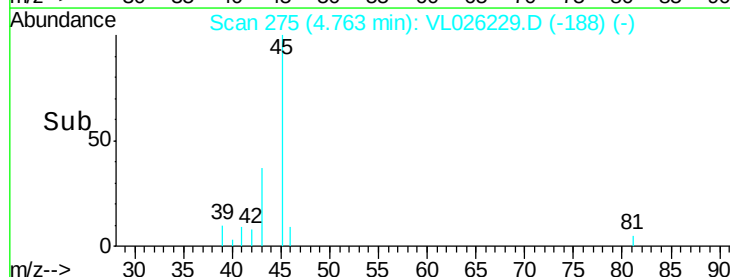
4000

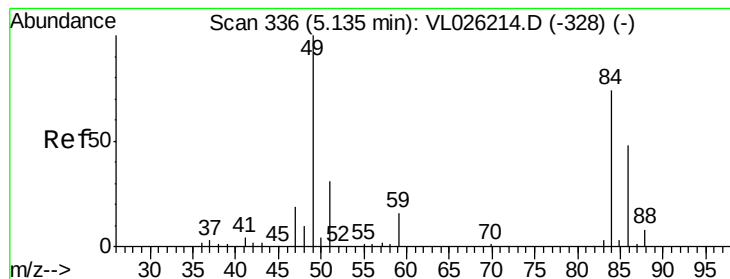
2000

0

Time-->

4.65 4.70 4.75 4.80 4.85





#20

Methylene Chloride

Concen: 0.10 ppbv

RT: 5.13 min Scan# 335

Delta R.T. -0.01 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Instrument :

MSVOA_L

ClientSampleId :

SUBSLAB-233

Tot Ion: 84 Resp: 3086

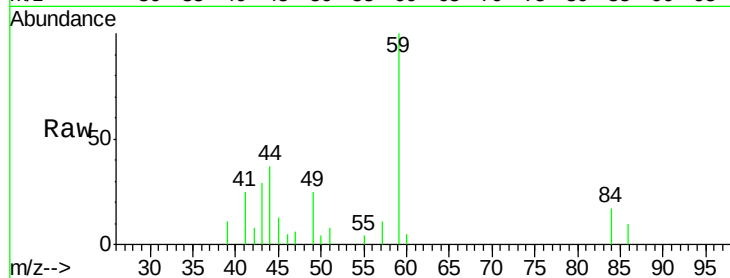
Ion Ratio Lower Upper

84 100

49 123.3 108.7 163.1

51 49.0 33.7 50.5

86 56.5 52.2 78.2

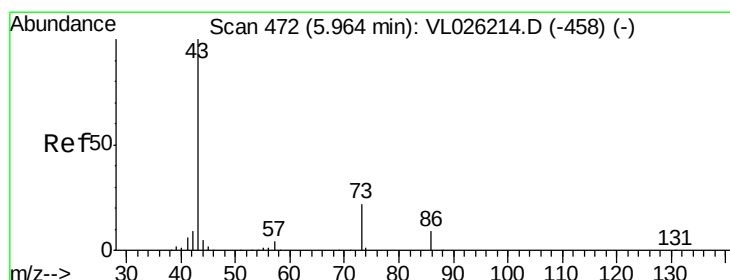
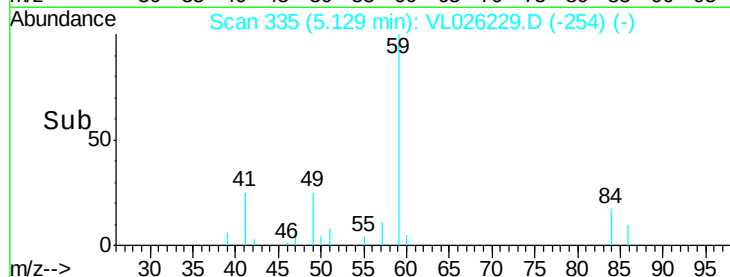
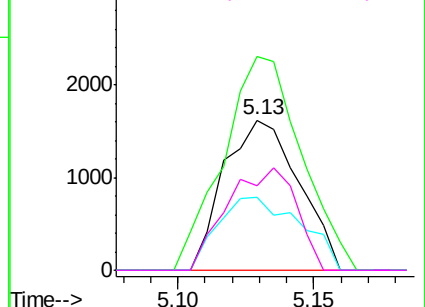


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#23

Vinyl Acetate

Concen: 0.13 ppbv

RT: 5.93 min Scan# 466

Delta R.T. -0.04 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Tgt Ion: 43 Resp: 17521

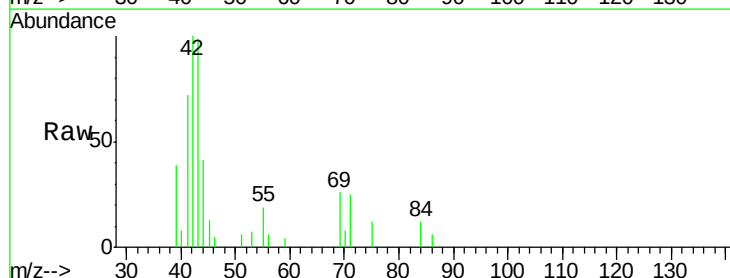
Ion Ratio Lower Upper

43 100

86 6.8 7.0 10.6#

42 104.1 7.5 11.3#

44 4.3 3.6 5.4

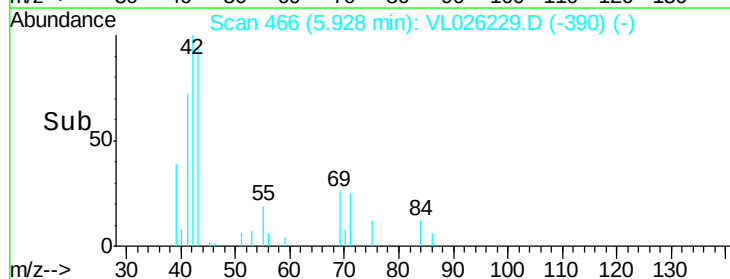
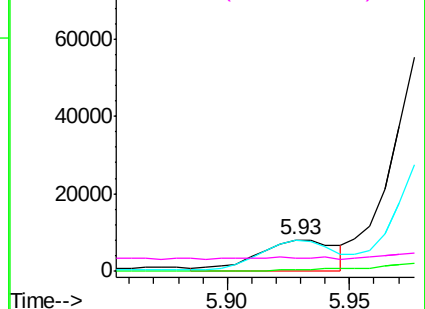


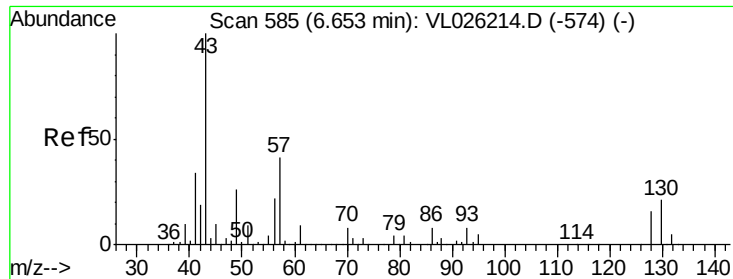
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

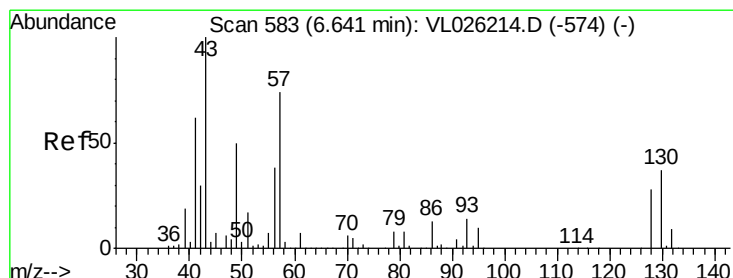
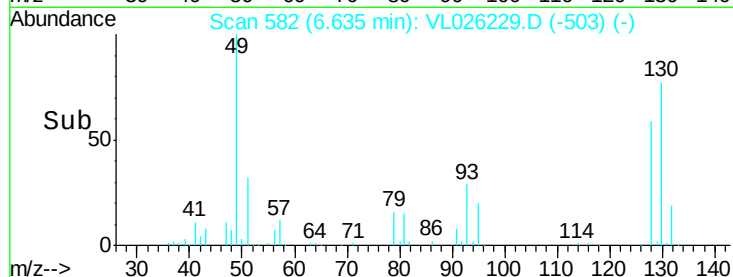
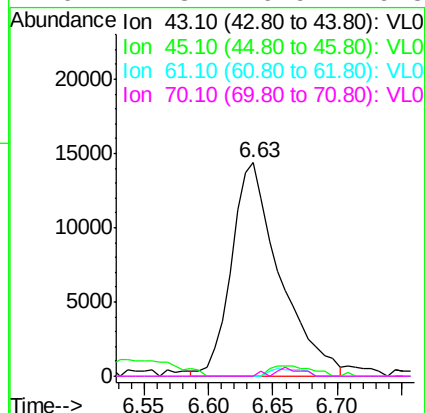
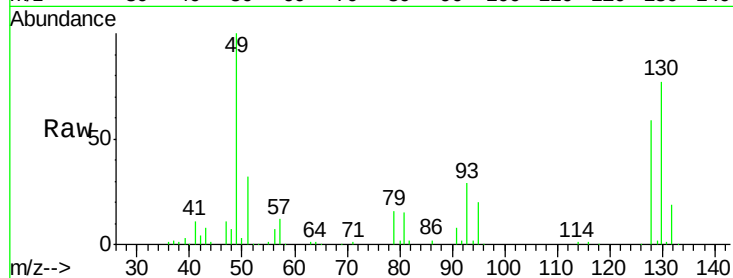




#25
Ethyl Acetate
Concen: 0.26 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.02 min
Lab File: VL026229.D
Acq: 21 Oct 2015 6:15

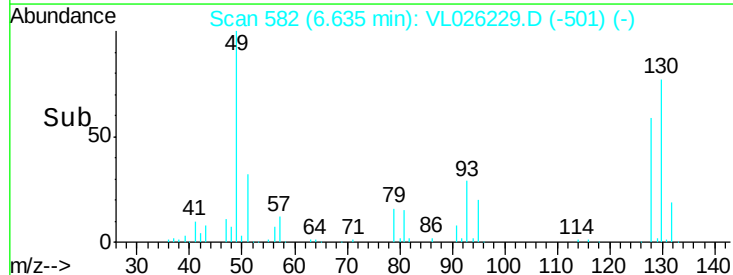
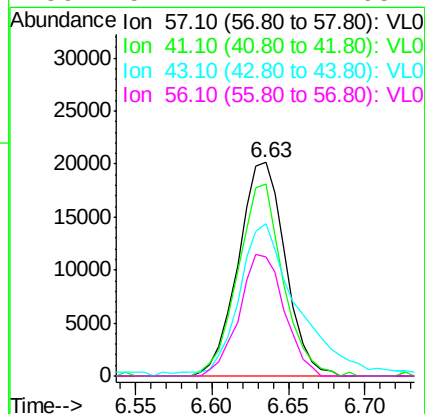
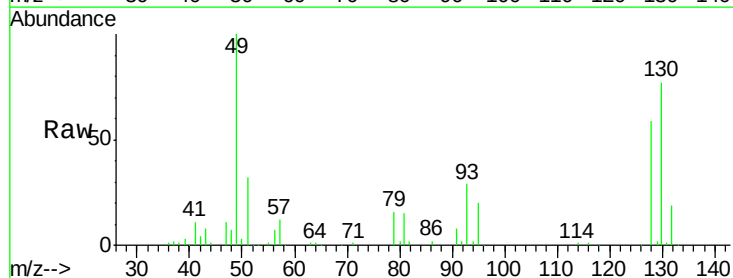
Instrument :
MSVOA_L
ClientSampleId :
SUBSLAB-233

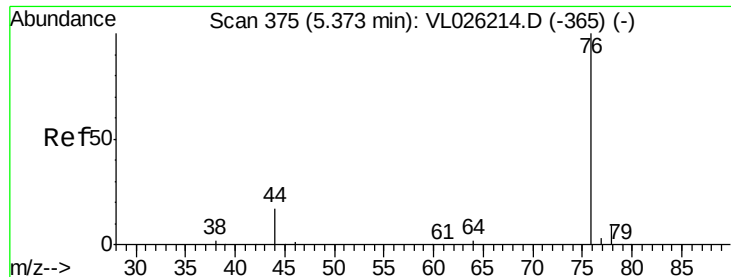
Tot Ion: 43 Resp: 37544
Ion Ratio Lower Upper
43 100
45 4.5 7.7 11.5#
61 2.5 7.5 11.3#
70 2.3 6.9 10.3#



#26
Hexane
Concen: 0.61 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026229.D
Acq: 21 Oct 2015 6:15

Tgt Ion: 57 Resp: 43088
Ion Ratio Lower Upper
57 100
41 86.7 68.1 102.1
43 91.5 163.4 245.2#
56 54.4 42.2 63.4





#27

Carbon Disulfide

Concen: 0.07 ppbv

RT: 5.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Instrument :

MSVOA_L

ClientSampleId :

SUBSLAB-233

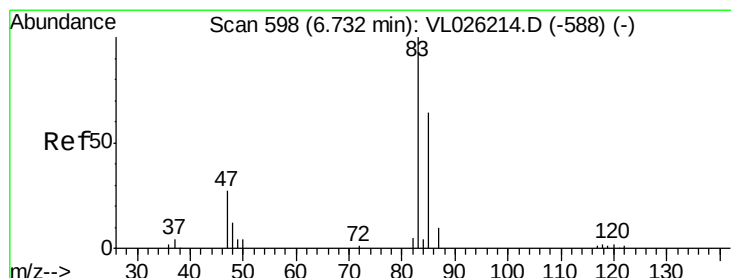
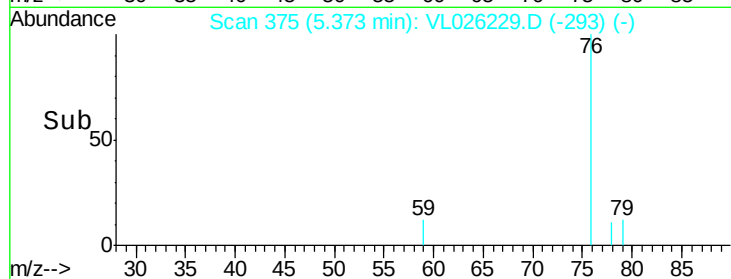
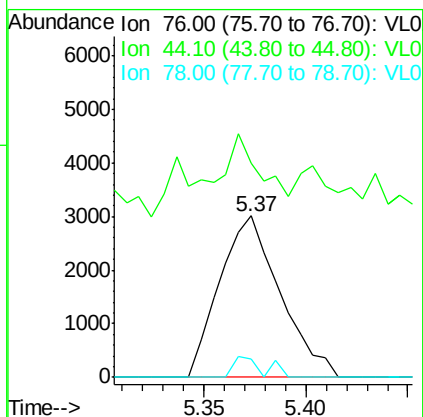
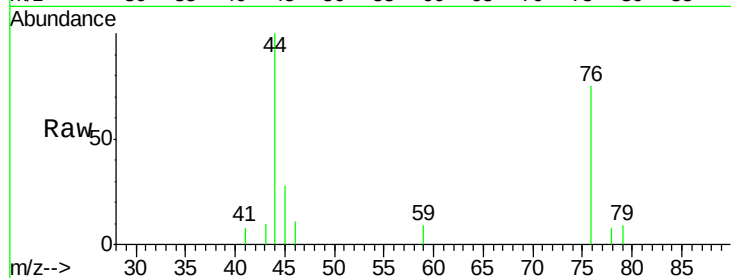
Tot Ion: 76 Resp: 6196

Ion Ratio Lower Upper

76 100

44 122.8 14.0 21.0#

78 6.1 7.4 11.2#



#29

Chloroform

Concen: 0.05 ppbv

RT: 6.71 min Scan# 594

Delta R.T. -0.02 min

Lab File: VL026229.D

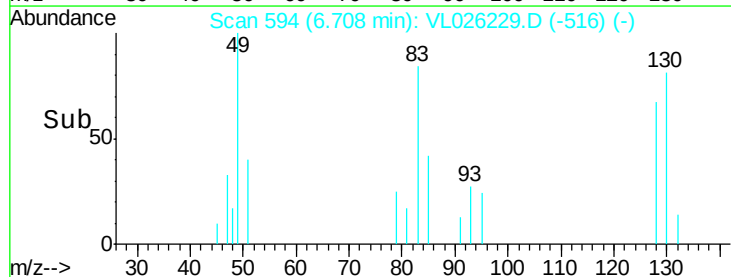
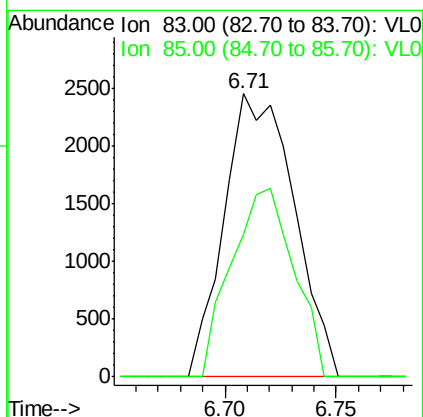
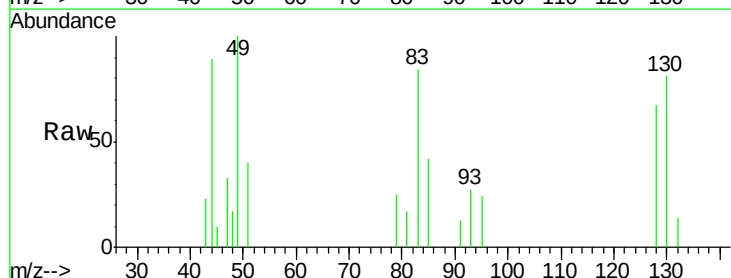
Acq: 21 Oct 2015 6:15

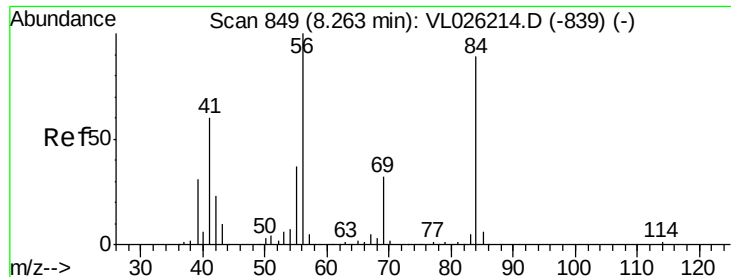
Tgt Ion: 83 Resp: 5351

Ion Ratio Lower Upper

83 100

85 50.4 51.5 77.3#

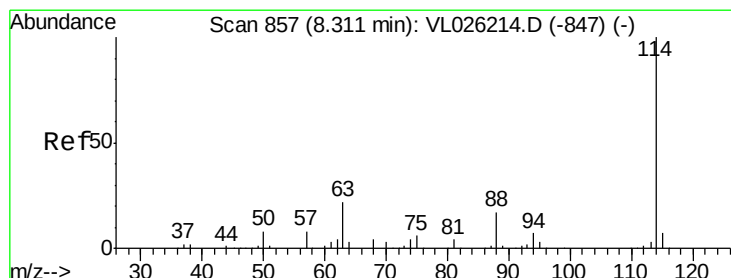
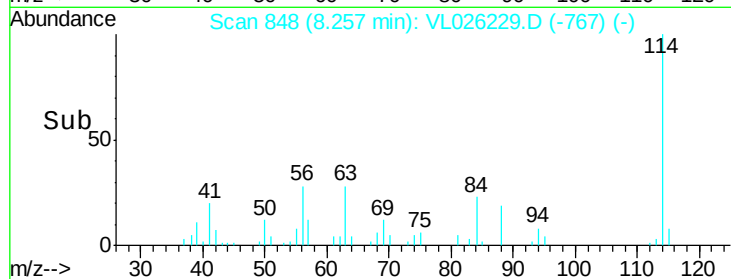
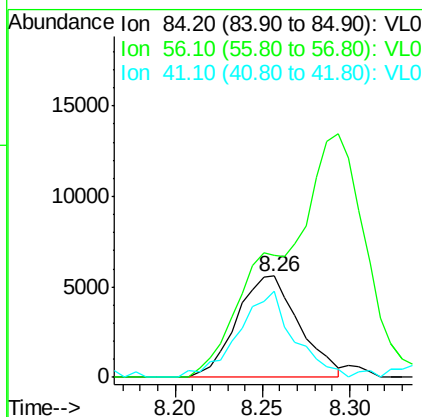
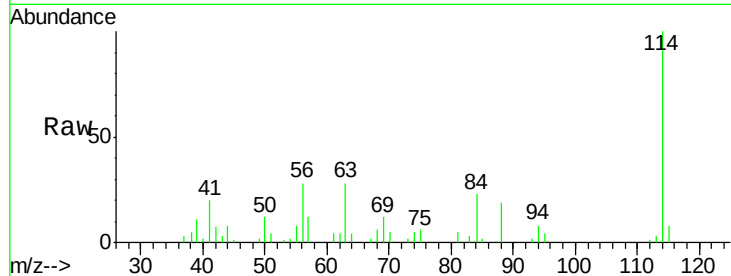




#30
Cyclohexane
Concen: 0.20 ppbv
RT: 8.26 min Scan# 848
Delta R.T. -0.01 min
Lab File: VL026229.D
Acq: 21 Oct 2015 6:15

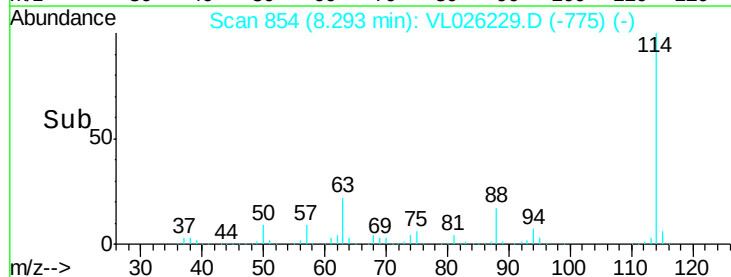
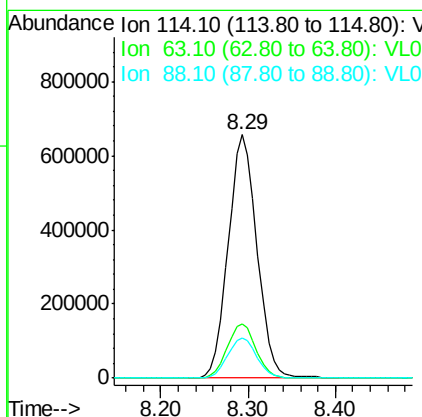
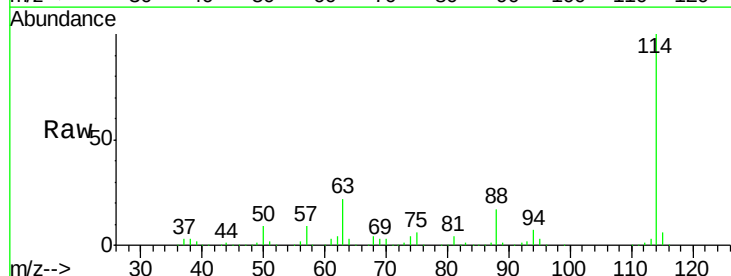
Instrument :
MSVOA_L
ClientSampleId :
SUBSLAB-233

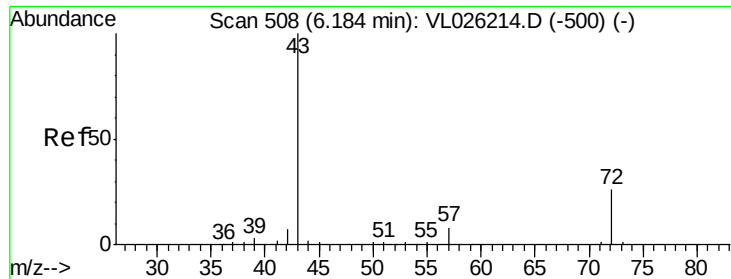
Tot Ion: 84 Resp: 14011
Ion Ratio Lower Upper
84 100
56 0.0 95.9 143.9#
41 75.3 54.8 82.2



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.29 min Scan# 854
Delta R.T. -0.02 min
Lab File: VL026229.D
Acq: 21 Oct 2015 6:15

Tgt Ion: 114 Resp: 1497473
Ion Ratio Lower Upper
114 100
63 22.5 18.2 27.4
88 16.7 13.5 20.3

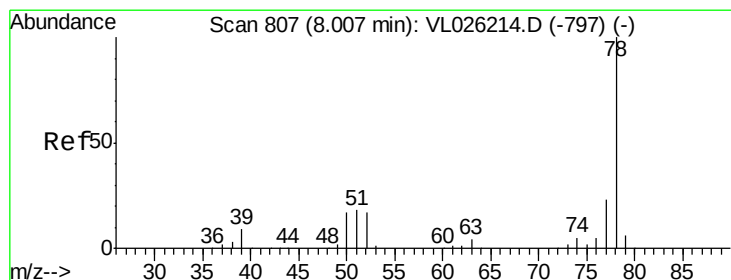
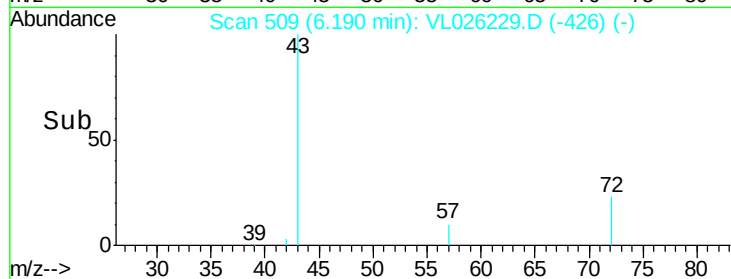
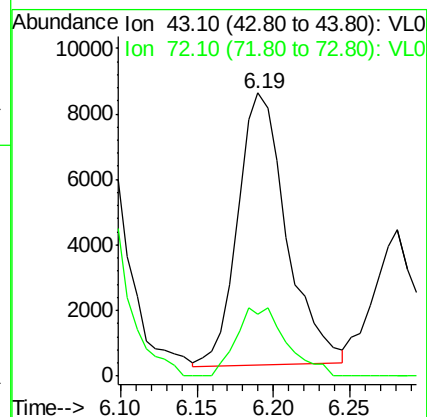
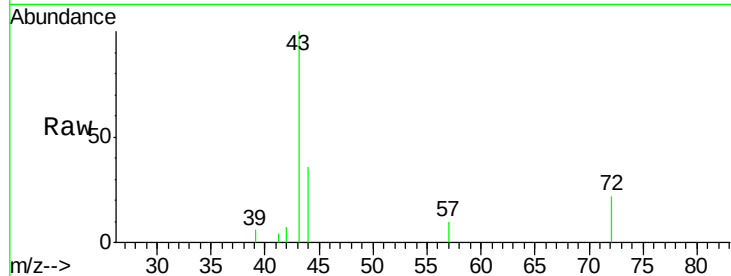




#34
2-Butanone
Concen: 0.22 ppbv
RT: 6.19 min Scan# 509
Delta R.T. 0.01 min
Lab File: VL026229.D
Acq: 21 Oct 2015 6:15

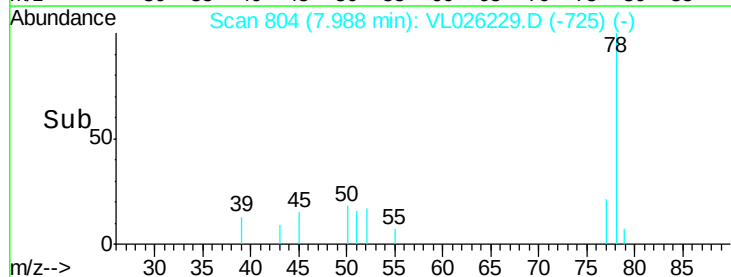
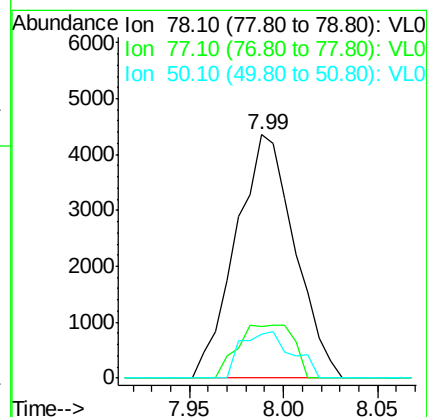
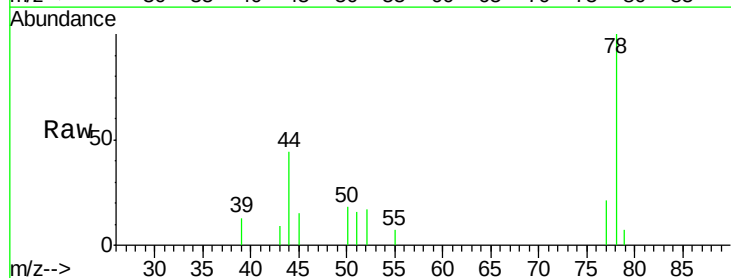
Instrument :
MSVOA_L
ClientSampleId :
SUBSLAB-233

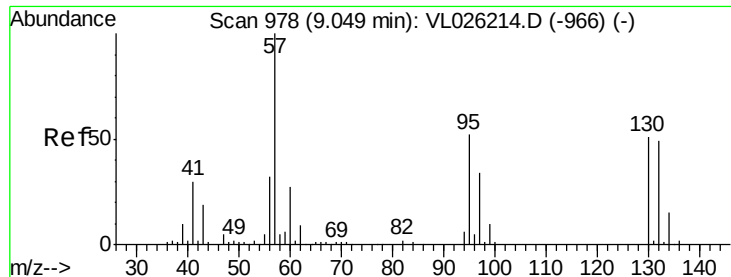
Tot Ion: 43 Resp: 18461
Ion Ratio Lower Upper
43 100
72 25.9 20.1 30.1



#36
Benzene
Concen: 0.06 ppbv
RT: 7.99 min Scan# 804
Delta R.T. -0.02 min
Lab File: VL026229.D
Acq: 21 Oct 2015 6:15

Tgt Ion: 78 Resp: 9418
Ion Ratio Lower Upper
78 100
77 21.3 18.1 27.1
50 18.2 13.8 20.8

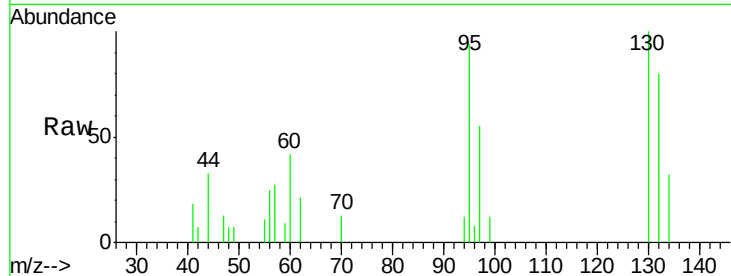




#38
 Trichloroethene
 Concen: 0.15 ppbv
 RT: 9.02 min Scan# 974
 Delta R.T. -0.02 min
 Lab File: VL026229.D
 Acq: 21 Oct 2015 6:15

Instrument :
 MSVOA_L
 ClientSampleId :
 SUBSLAB-233

Tot Ion:130	Resp:	11125
Ion Ratio	Lower	Upper
130	100	
95	93.9	81.0 121.4
132	80.3	76.5 114.7
97	54.6	52.5 78.7

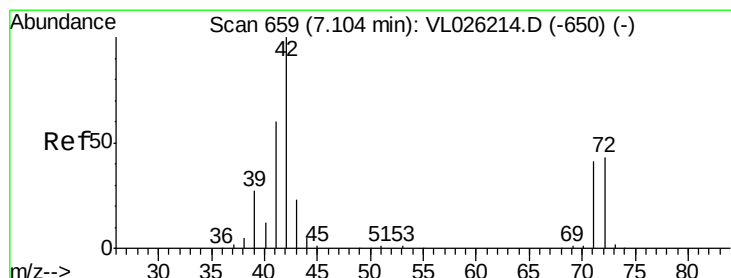
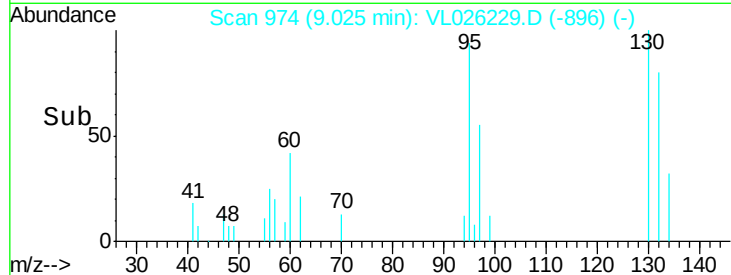
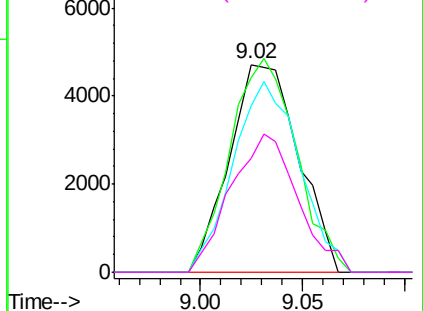


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

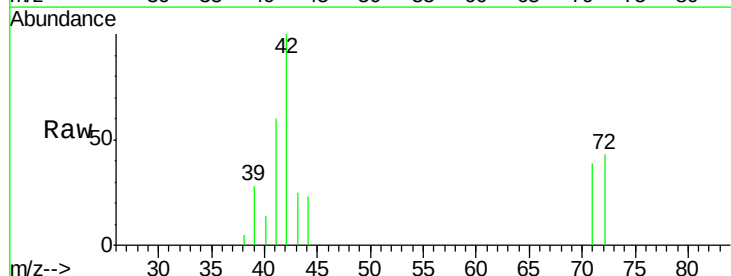
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#41
 Tetrahydrofuran
 Concen: 0.67 ppbv
 RT: 7.12 min Scan# 662
 Delta R.T. 0.02 min
 Lab File: VL026229.D
 Acq: 21 Oct 2015 6:15

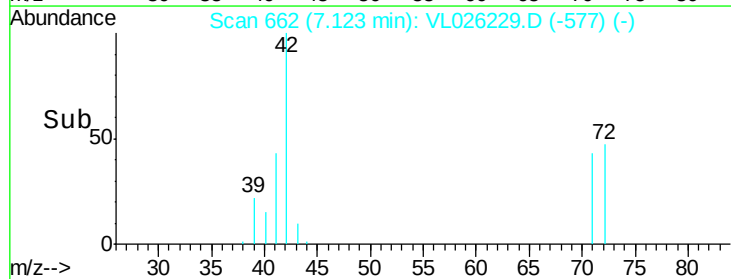
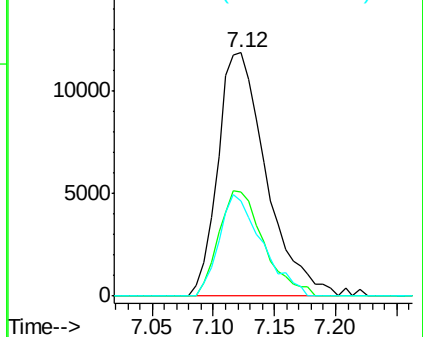
Tgt Ion: 42	Resp:	32645
Ion Ratio	Lower	Upper
42	100	
72	40.2	34.3 51.5
71	37.0	32.1 48.1

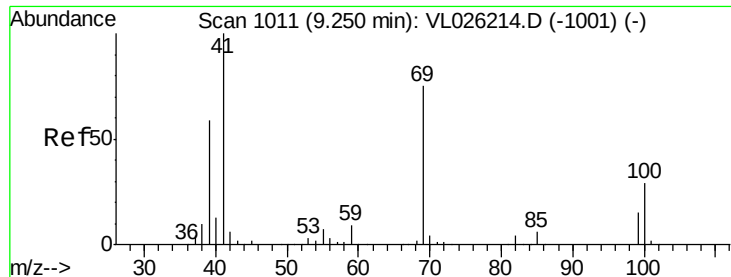


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

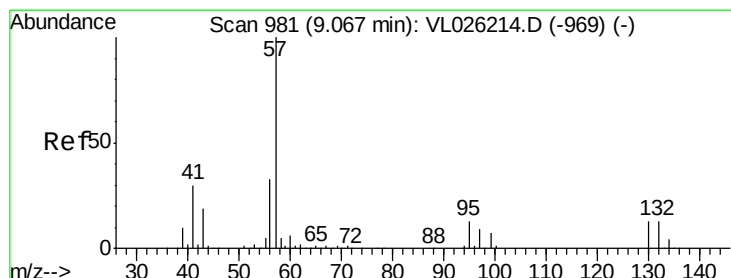
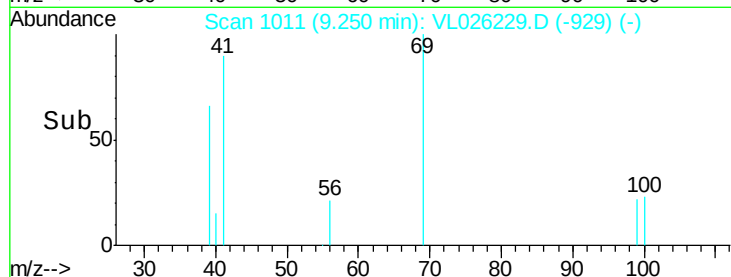
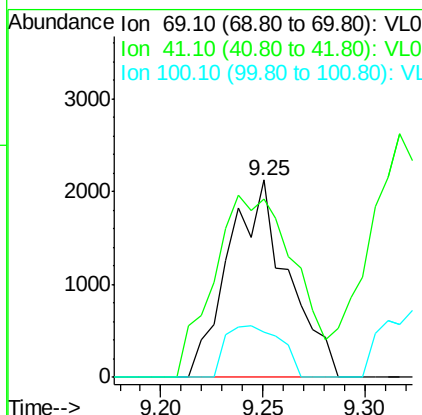
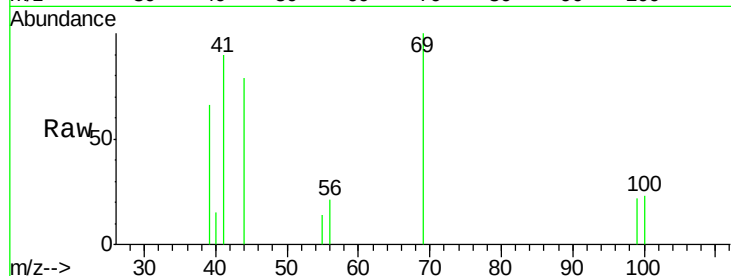




#43
Methvl Methacrylate
Concen: 0.08 ppbv
RT: 9.25 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VL026229.D
Acq: 21 Oct 2015 6:15

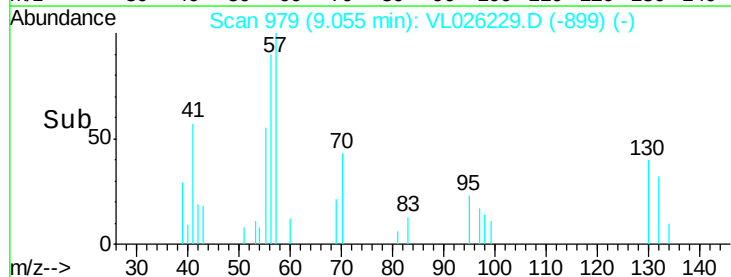
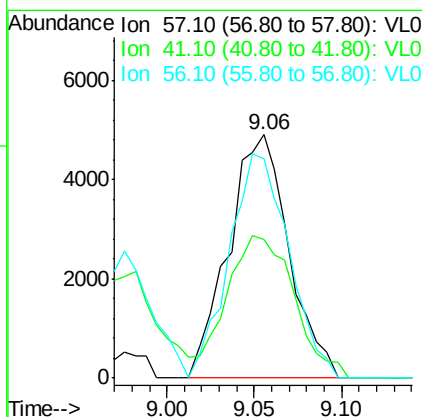
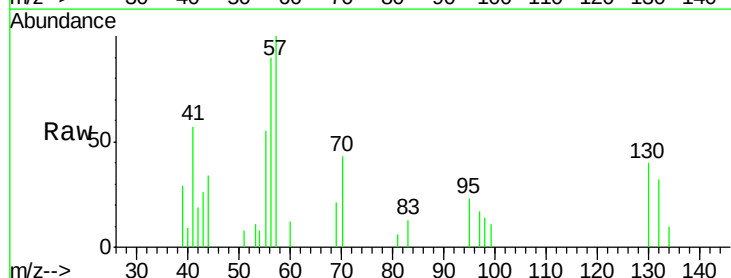
Instrument :
MSVOA_L
ClientSampleId :
SUBSLAB-233

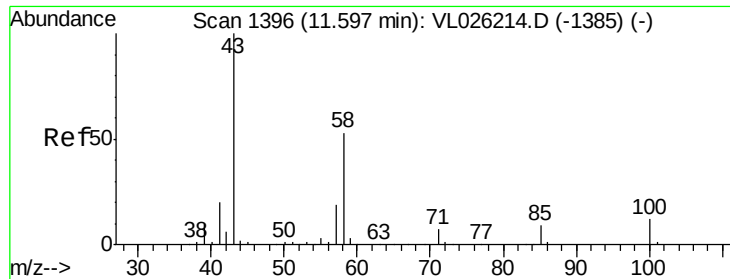
Tot Ion: 69 Resp: 4306
Ion Ratio Lower Upper
69 100
41 126.2 108.4 162.6
100 24.0 30.6 45.8#



#44
2,2,4-Trimethylpentane
Concen: 0.05 ppbv
RT: 9.06 min Scan# 979
Delta R.T. -0.01 min
Lab File: VL026229.D
Acq: 21 Oct 2015 6:15

Tgt Ion: 57 Resp: 11758
Ion Ratio Lower Upper
57 100
41 67.2 23.7 35.5#
56 91.3 25.9 38.9#





#51

2-Hexanone

Concen: 0.03 ppbv

RT: 11.63 min Scan# 1401

Delta R.T. 0.03 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Instrument :

MSVOA_L

ClientSampleId :

SUBSLAB-233

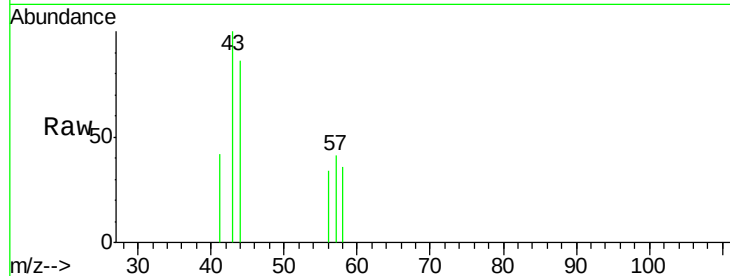
Tot Ion: 43 Resp: 3410

Ion Ratio Lower Upper

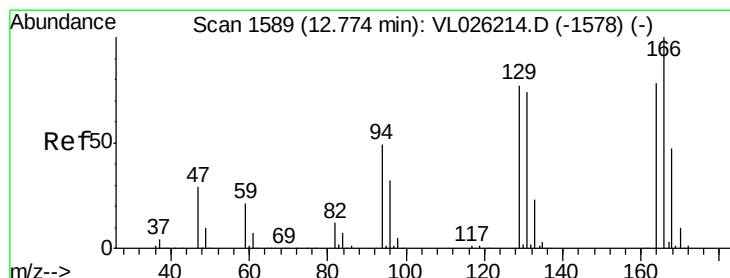
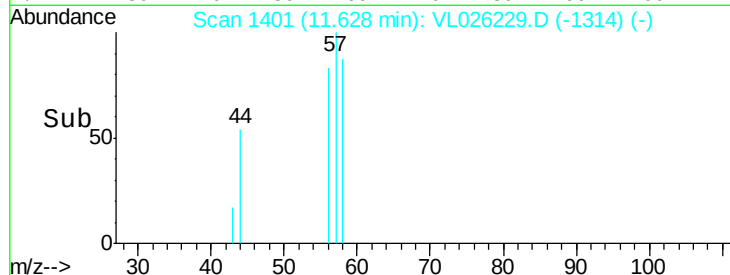
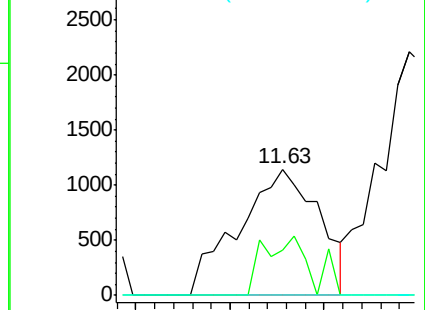
43 100

58 27.3 43.2 64.8#

98 0.0 0.0 0.0



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



#52

Tetrachloroethene

Concen: 42.15 ppbv

RT: 12.77 min Scan# 1588

Delta R.T. -0.01 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Tgt Ion:164 Resp: 3686889

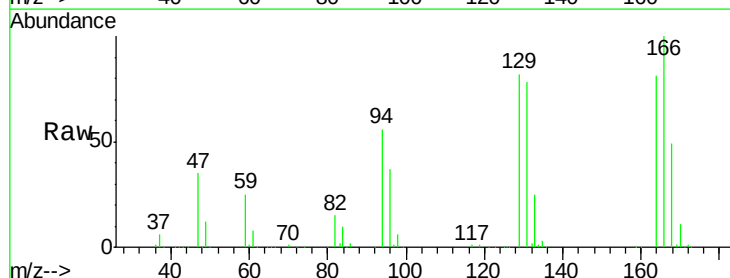
Ion Ratio Lower Upper

164 100

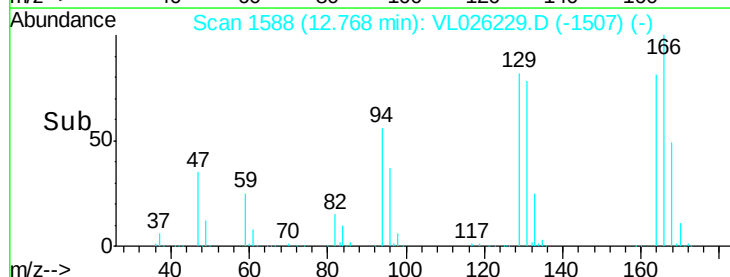
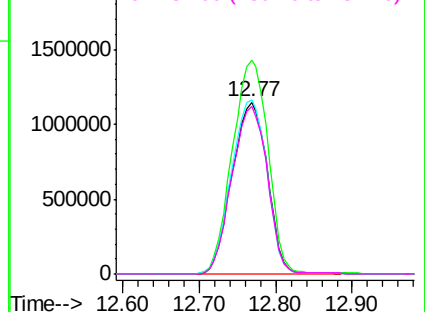
166 124.2 102.3 153.5

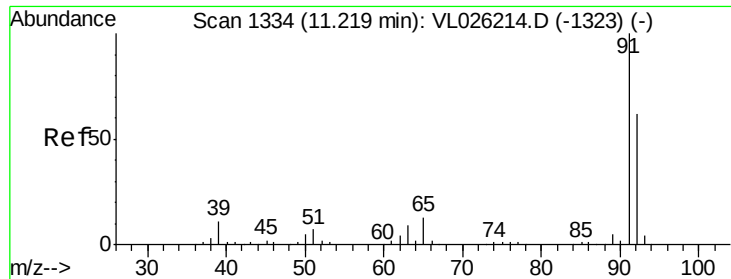
129 101.3 78.2 117.4

131 97.2 75.7 113.5



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





#53

Toluene

Concen: 1.19 ppbv

RT: 11.20 min Scan# 1331

Delta R.T. -0.02 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Instrument :

MSVOA_L

ClientSampleId :

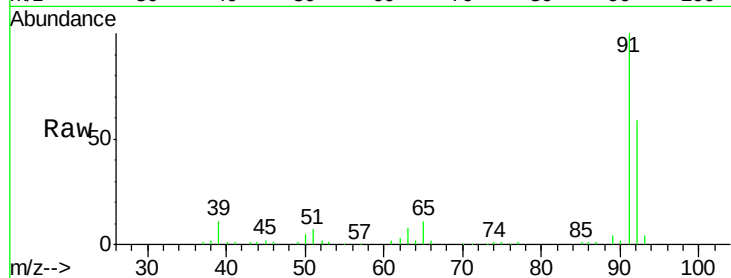
SUBSLAB-233

Tot Ion: 91 Resp: 246892

Ion Ratio Lower Upper

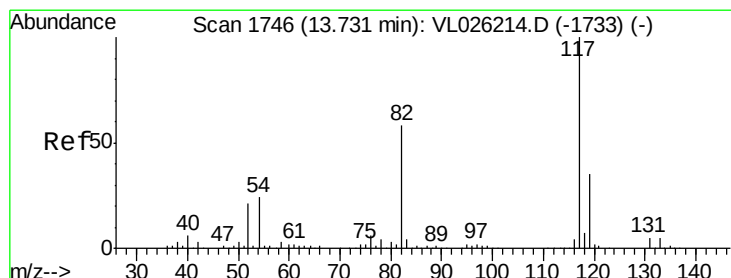
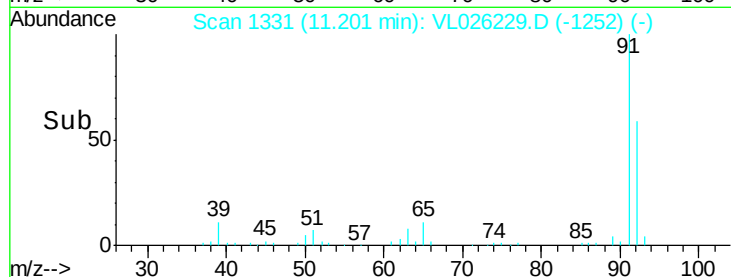
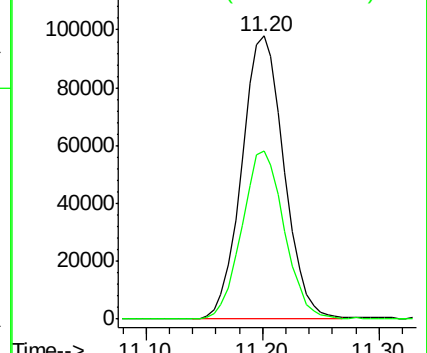
91 100

92 60.0 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.71 min Scan# 1743

Delta R.T. -0.02 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

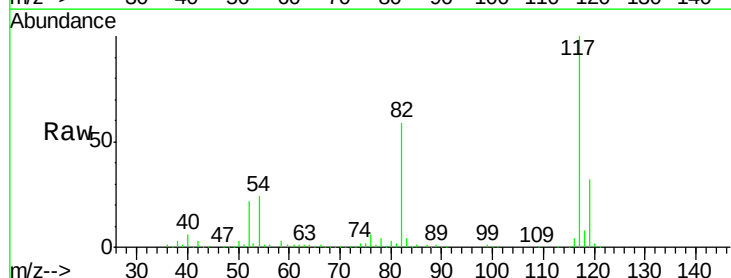
Tgt Ion: 117 Resp: 1789460

Ion Ratio Lower Upper

117 100

82 60.9 45.8 68.8

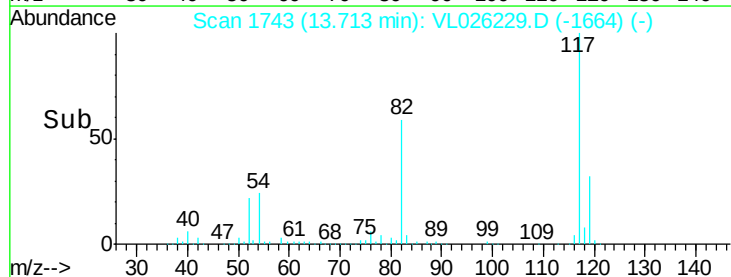
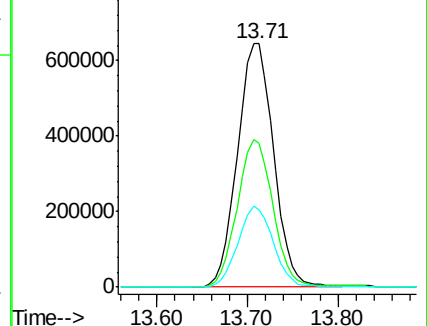
119 32.8 45.0 67.4#

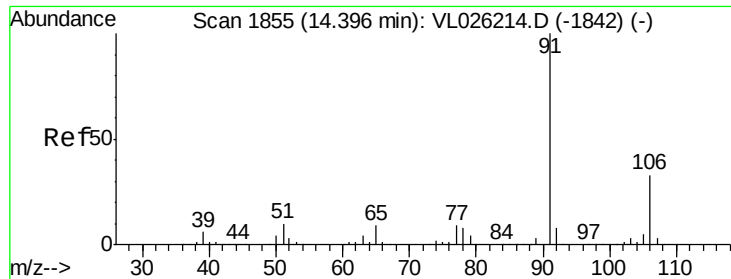


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.09 ppbv

RT: 14.38 min Scan# 1852

Delta R.T. -0.02 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Instrument :

MSVOA_L

ClientSampleId :

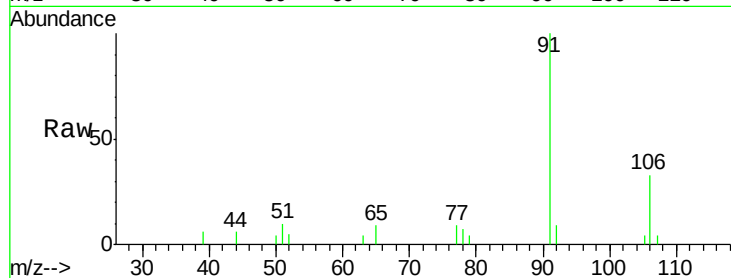
SUBSLAB-233

Tot Ion: 91 Resp: 25168

Ion Ratio Lower Upper

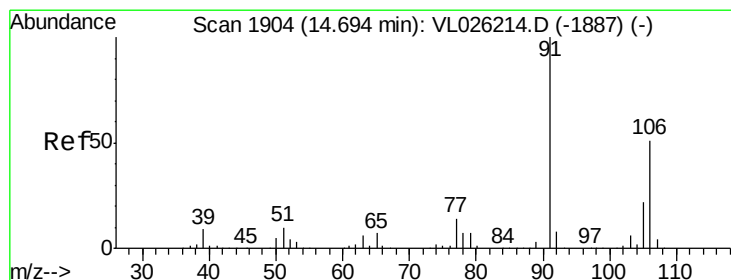
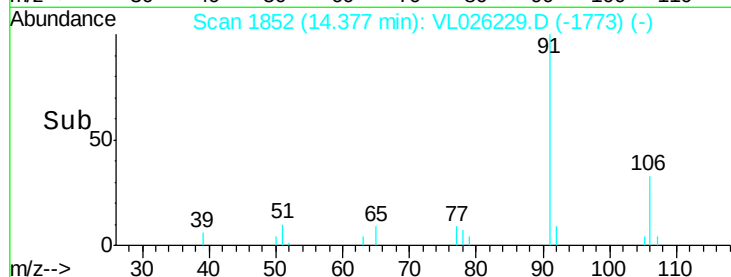
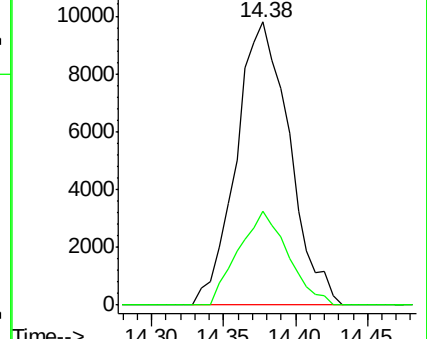
91 100

106 33.4 26.1 39.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.28 ppbv

RT: 14.65 min Scan# 1897

Delta R.T. -0.04 min

Lab File: VL026229.D

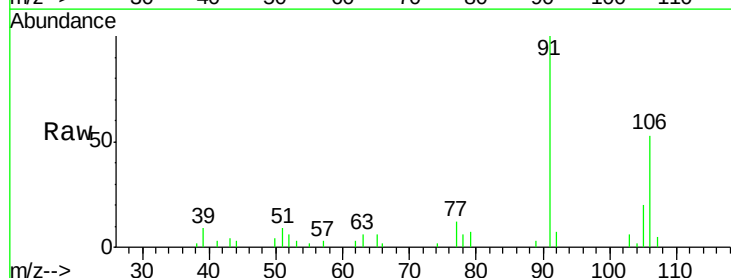
Acq: 21 Oct 2015 6:15

Tgt Ion: 91 Resp: 63084

Ion Ratio Lower Upper

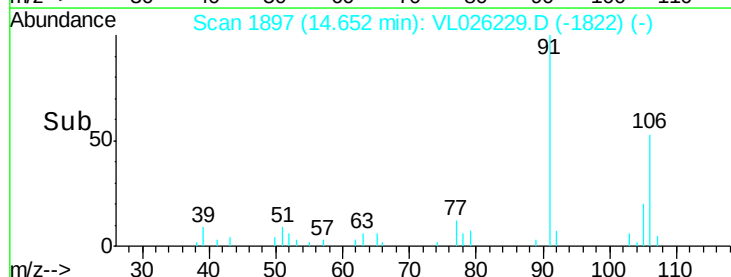
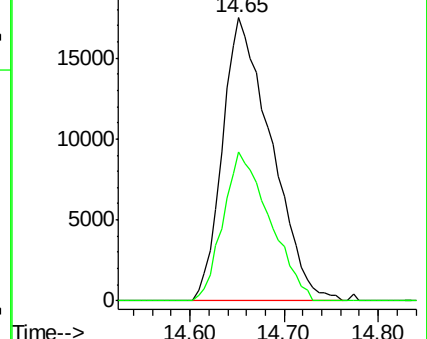
91 100

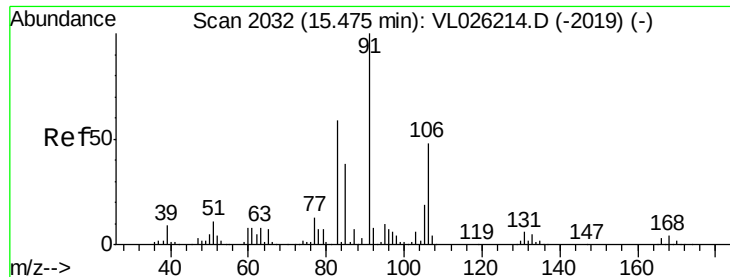
106 50.2 40.6 61.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

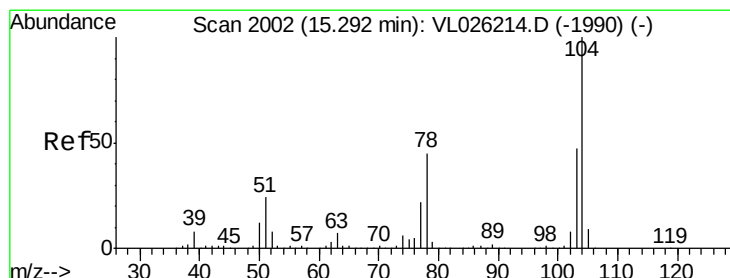
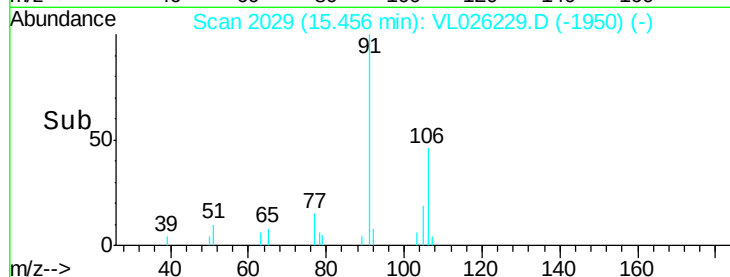
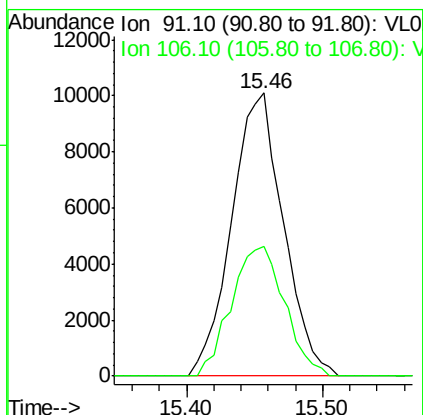
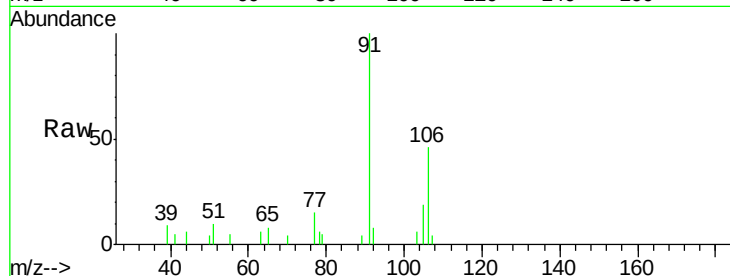




#60
o-Xylene
Concen: 0.11 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.02 min
Lab File: VL026229.D
Acq: 21 Oct 2015 6:15

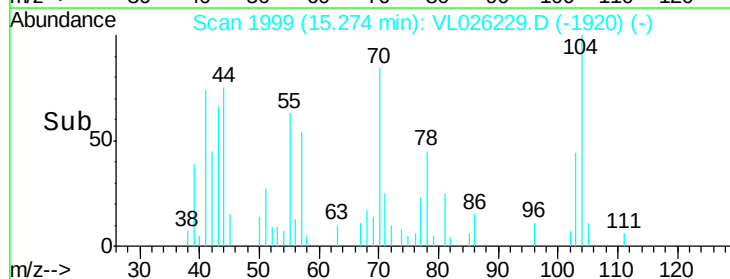
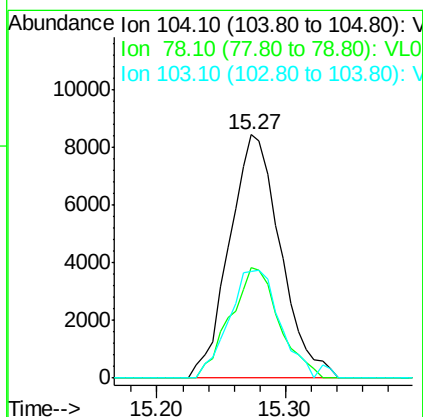
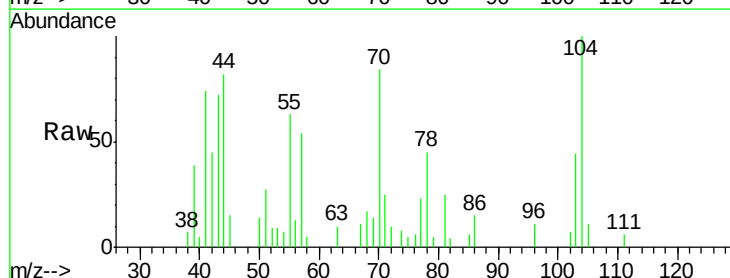
Instrument :
MSVOA_L
ClientSampleId :
SUBSLAB-233

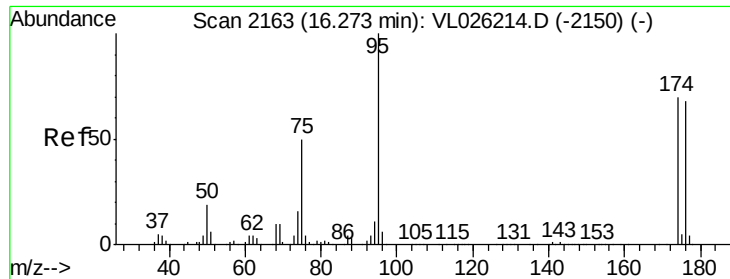
Tot Ion: 91 Resp: 26826
Ion Ratio Lower Upper
91 100
106 47.2 23.8 71.5



#61
Styrene
Concen: 0.22 ppbv
RT: 15.27 min Scan# 1999
Delta R.T. -0.02 min
Lab File: VL026229.D
Acq: 21 Oct 2015 6:15

Tgt Ion: 104 Resp: 23247
Ion Ratio Lower Upper
104 100
78 43.5 35.3 52.9
103 45.1 37.0 55.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.39 ppbv

RT: 16.25 min Scan# 2159

Delta R.T. -0.02 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Instrument :

MSVOA_L

ClientSampleId :

SUBSLAB-233

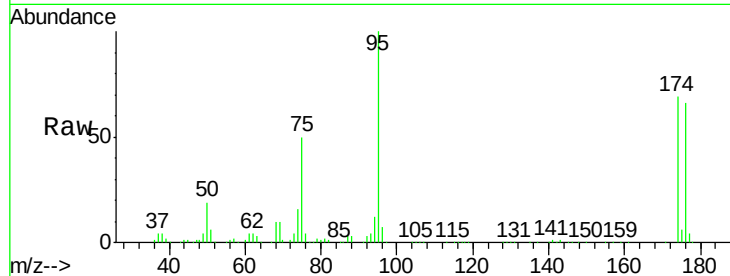
Tot Ion: 95 Resp: 1434210

Ion Ratio Lower Upper

95 100

174 68.4 55.8 83.8

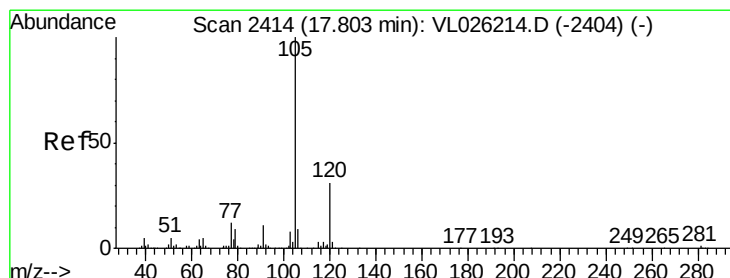
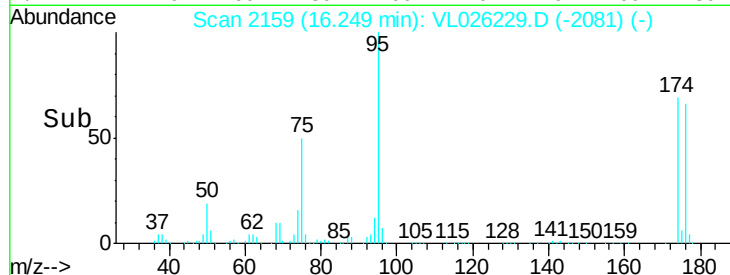
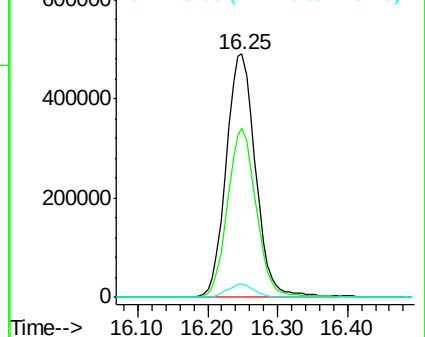
175 5.2 4.3 6.5



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: 0.03 ppbv

RT: 17.78 min Scan# 2410

Delta R.T. -0.02 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Tgt Ion: 105 Resp: 7226

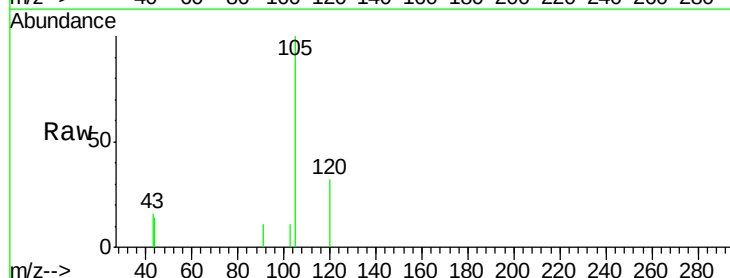
Ion Ratio Lower Upper

105 100

120 28.4 25.2 37.8

91 5.2 9.0 13.6#

77 0.0 9.7 14.5#

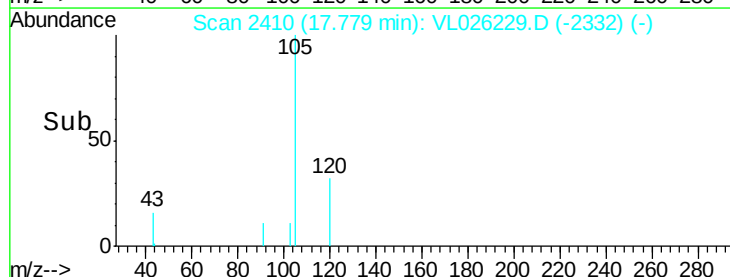
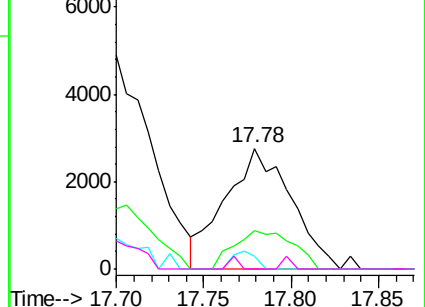


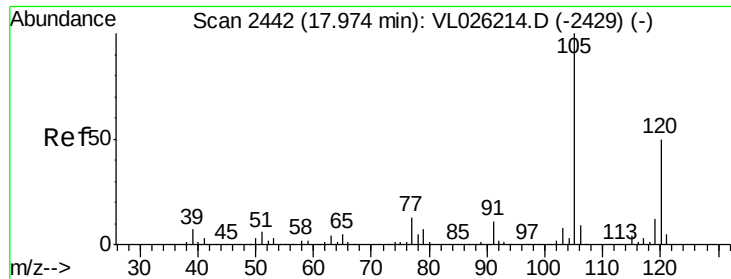
Abundance Ion 105.10 (104.80 to 105.80): V

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

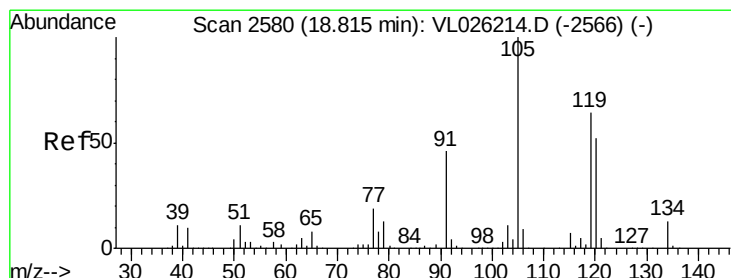
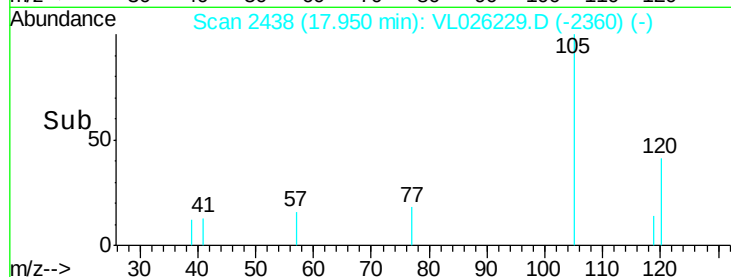
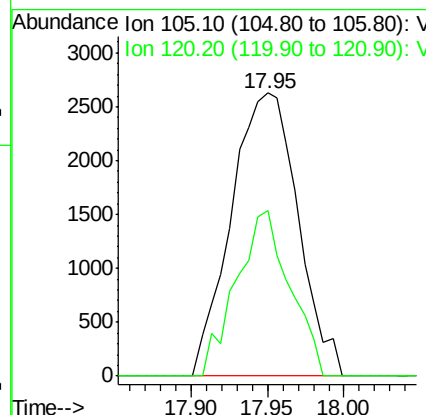
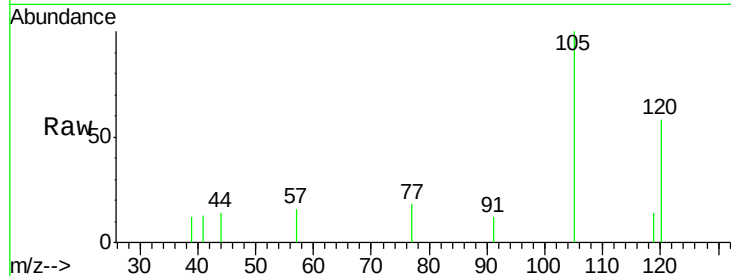




#73
 1,3,5-Trimethylbenzene
 Concen: 0.03 ppbv
 RT: 17.95 min Scan# 2438
 Delta R.T. -0.02 min
 Lab File: VL026229.D
 Acq: 21 Oct 2015 6:15

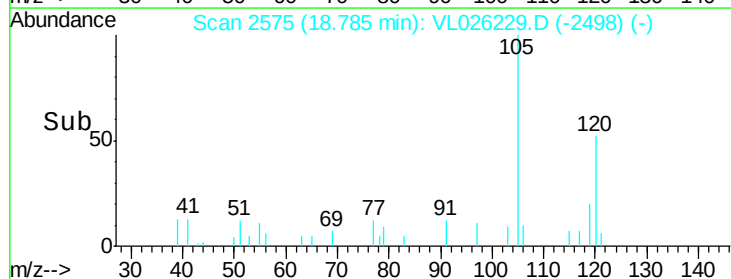
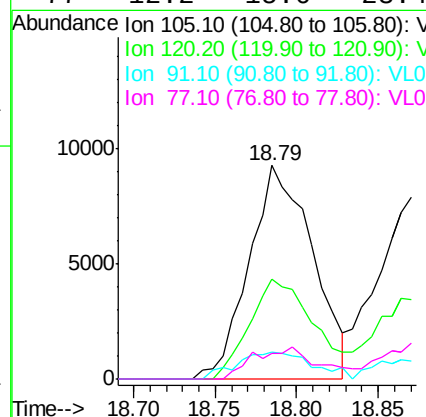
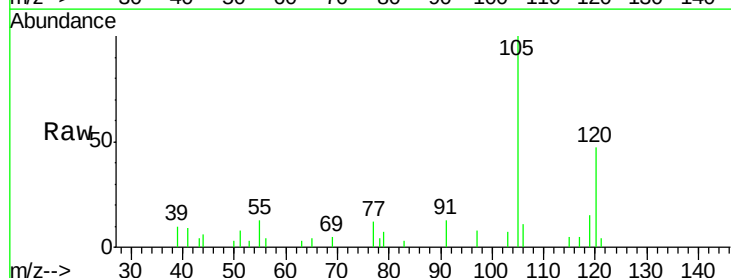
Instrument :
 MSVOA_L
 ClientSampleId :
 SUBSLAB-233

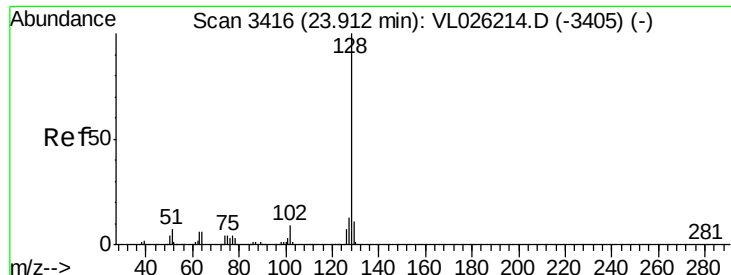
Tot Ion:105 Resp: 7982
 Ion Ratio Lower Upper
 105 100
 120 58.3 39.8 59.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.09 ppbv
 RT: 18.79 min Scan# 2575
 Delta R.T. -0.03 min
 Lab File: VL026229.D
 Acq: 21 Oct 2015 6:15

Tgt Ion:105 Resp: 25059
 Ion Ratio Lower Upper
 105 100
 120 46.6 41.2 61.8
 91 12.6 37.2 55.8#
 77 12.2 15.6 23.4#





#79

Naphthalene

Concen: 0.03 ppbv

RT: 23.91 min Scan# 3415

Delta R.T. -0.01 min

Lab File: VL026229.D

Acq: 21 Oct 2015 6:15

Instrument :

MSVOA_L

ClientSampleId :

SUBSLAB-233

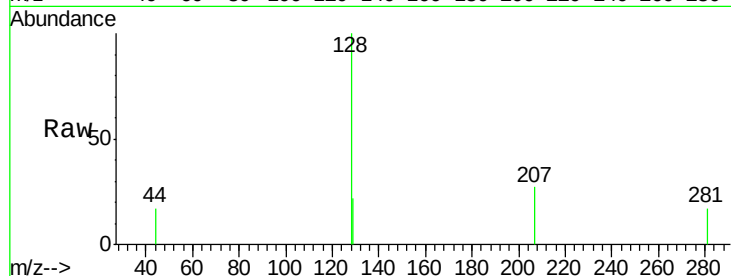
Tot Ion:128 Resp: 7747

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 21.7 8.8 13.2#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

