

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026277.D
 Acq On : 29 Oct 2015 23:16
 Operator : SY/AP
 Sample : G4169-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 29 23:03:39 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 14:29:54 2015
 QLast Update : Thu Oct 29 14:29:54 2015
 Response via : Initial Calibration

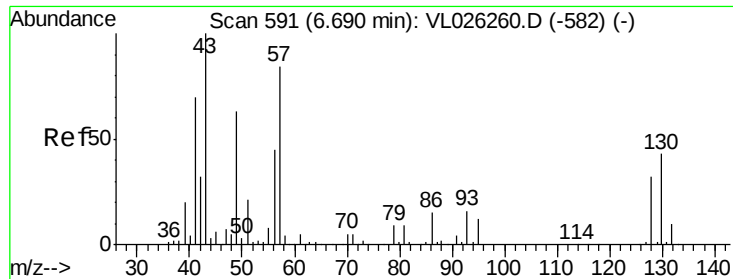
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	589682	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.35	114	1622671	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.77	117	1909698	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.31	95	1488412	10.27	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.65	85	3339	0.03	ppbv #	78
3) Chlorodifluoromethane	3.58	51	36156	0.49	ppbv	96
4) Chloromethane	3.77	50	1415	0.03	ppbv #	42
9) Propene	3.60	41	12181	0.34	ppbv #	67
10) Heptane	9.38	43	8751	0.07	ppbv #	69
11) Trichlorofluoromethane	4.71	101	1931	0.02	ppbv	94
13) Ethanol	4.36	45	1692	0.32	ppbv #	33
15) Acetone	4.63	43	167826	2.15	ppbv	94
16) 1,3-Butadiene	3.96	39	12949	0.34	ppbv #	11
17) tert-Butyl alcohol	5.17	59	4672	0.08	ppbv #	51
19) Isopropyl Alcohol	4.79	45	2120	0.06	ppbv #	1
20) Methylene Chloride	5.17	84	6039	0.18	ppbv	95
23) Vinyl Acetate	6.03	43	10706	0.07	ppbv #	48
25) Ethyl Acetate	6.68	43	7980	0.05	ppbv #	66
26) Hexane	6.68	57	9887	0.12	ppbv #	43
34) 2-Butanone	6.24	43	14695	0.15	ppbv	99
36) Benzene	8.04	78	6508	0.04	ppbv #	93
43) Methyl Methacrylate	9.30	69	885	0.01	ppbv #	1
51) 2-Hexanone	11.65	43	6610	0.06	ppbv #	89
53) Toluene	11.26	91	16124	0.07	ppbv	98
58) Ethyl Benzene	14.44	91	18256	0.06	ppbv	94
59) m/p-Xylene	14.73	91	6005	0.02	ppbv #	100
60) o-Xylene	15.52	91	6434	0.02	ppbv	90
61) Styrene	15.33	104	2039	0.02	ppbv #	83
62) Isopropylbenzene	16.57	105	6702	0.02	ppbv	98
69) p-Isopropyltoluene	19.82	119	9551	0.03	ppbv #	67
71) 2-Chlorotoluene	17.29	91	269719	1.04	ppbv #	43
73) 1,3,5-Trimethylbenzene	18.01	105	8143	0.03	ppbv	90
74) 1,2,4-Trimethylbenzene	18.86	105	18558	0.06	ppbv #	69
75) 1,3-Dichlorobenzene	18.94	146	2086	0.01	ppbv #	1
76) 1,4-Dichlorobenzene	18.94	146	2086	0.01	ppbv #	1
79) Naphthalene	23.97	128	5902	0.03	ppbv #	60
81) 1,2,4-Trichlorobenzene	23.25	180	2289	0.02	ppbv #	12

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 588

Delta R.T. -0.02 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :
MSVOA_L
ClientSampleId :

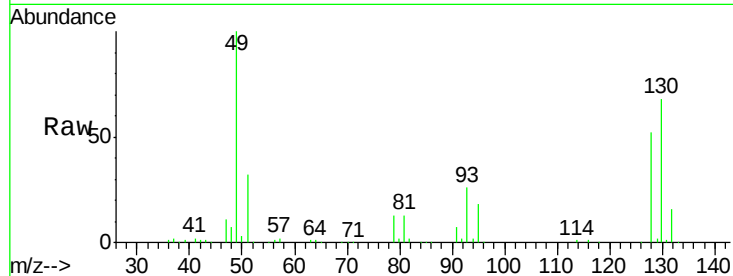
Tot Ion: 49 Resp: 589682

Ion Ratio Lower Upper

49 100

128 53.5 26.7 80.1

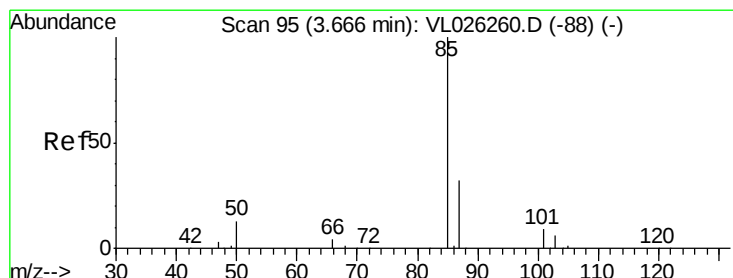
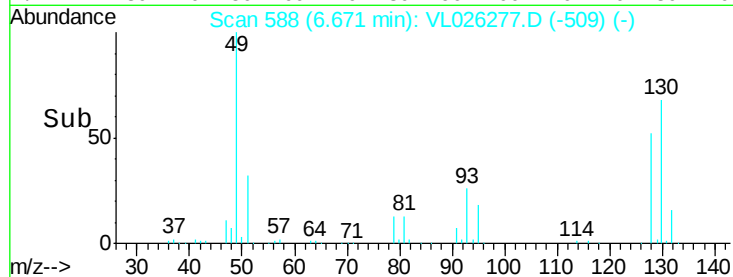
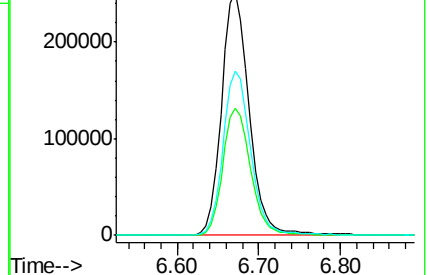
130 68.3 34.4 103.2



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: 0.03 ppbv

RT: 3.65 min Scan# 92

Delta R.T. -0.02 min

Lab File: VL026277.D

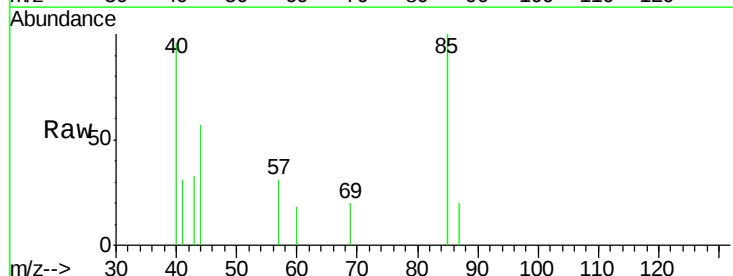
Acq: 29 Oct 2015 23:16

Tgt Ion: 85 Resp: 3339

Ion Ratio Lower Upper

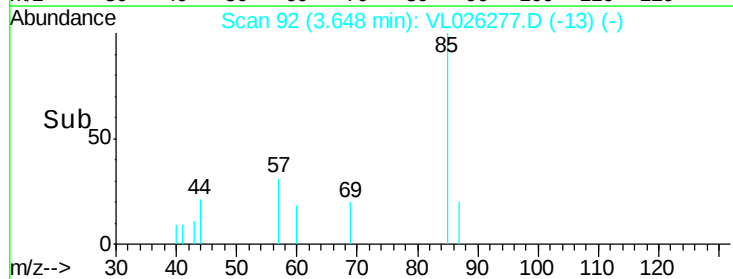
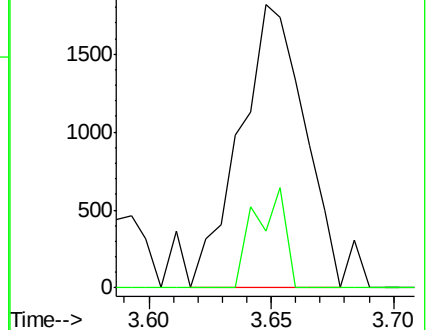
85 100

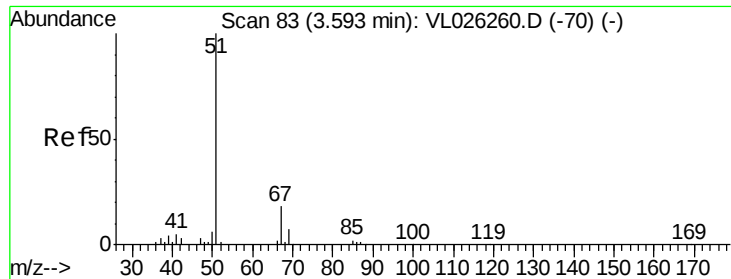
87 20.1 25.9 38.9#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.49 ppbv

RT: 3.58 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :

MSVOA_L

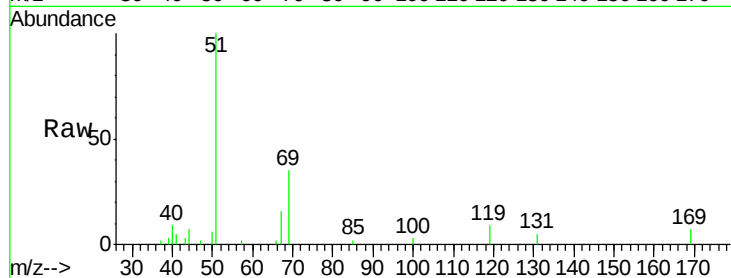
ClientSampled :

Tot Ion: 51 Resp: 36156

Ion Ratio Lower Upper

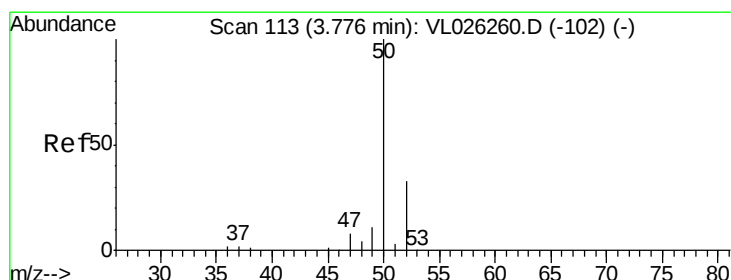
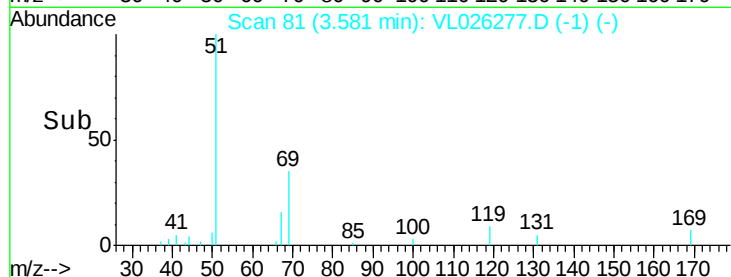
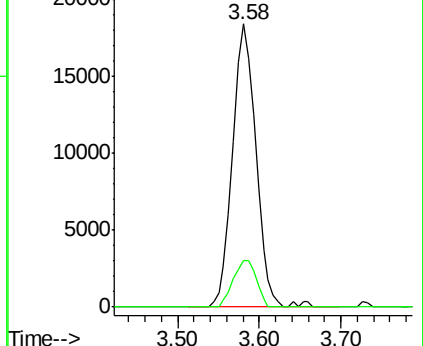
51 100

67 16.2 14.5 21.7



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.03 ppbv

RT: 3.77 min Scan# 112

Delta R.T. -0.01 min

Lab File: VL026277.D

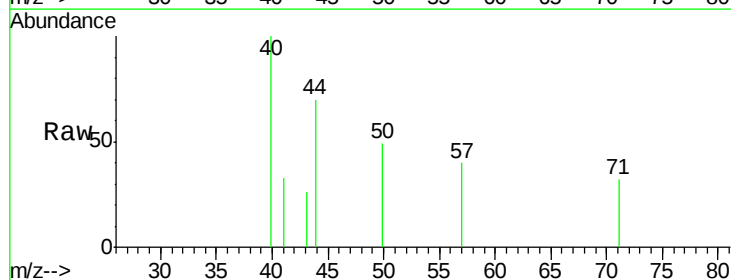
Acq: 29 Oct 2015 23:16

Tgt Ion: 50 Resp: 1415

Ion Ratio Lower Upper

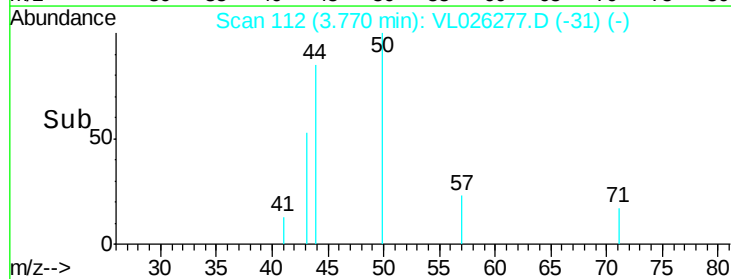
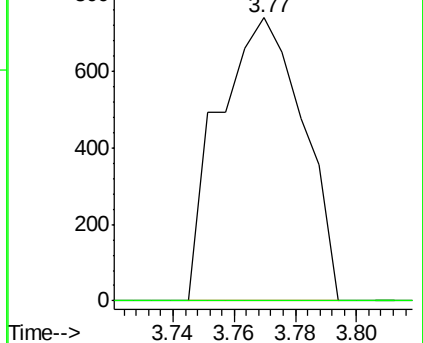
50 100

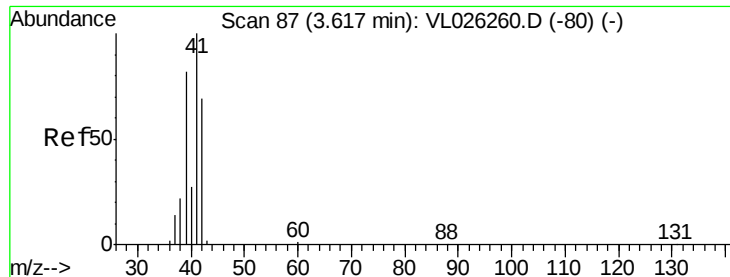
52 0.0 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.34 ppbv

RT: 3.60 min Scan# 85

Delta R.T. -0.01 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :

MSVOA_L

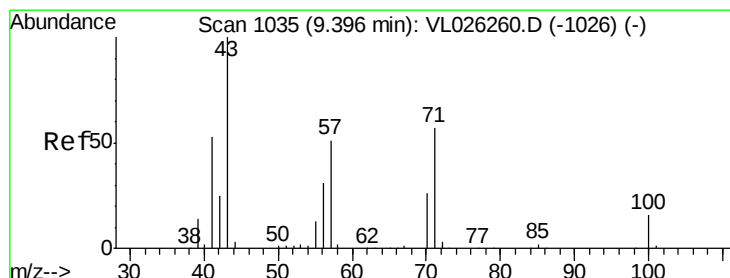
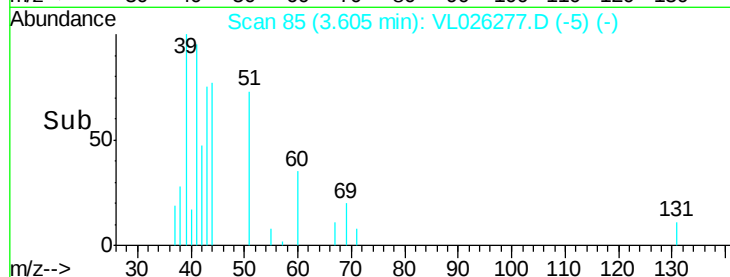
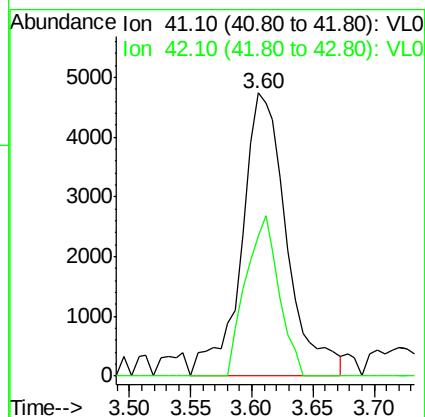
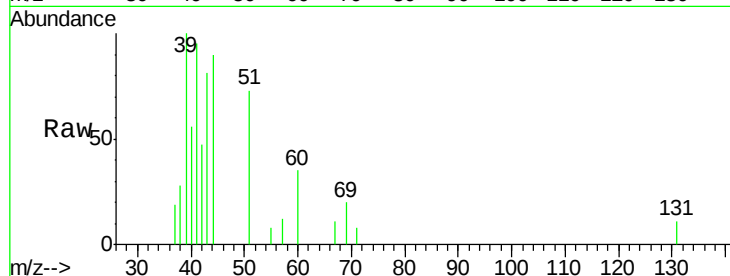
ClientSampleId :

Tot Ion: 41 Resp: 12181

Ion Ratio Lower Upper

41 100

42 41.4 54.5 81.7#



#10

Heptane

Concen: 0.07 ppbv

RT: 9.38 min Scan# 1032

Delta R.T. -0.02 min

Lab File: VL026277.D

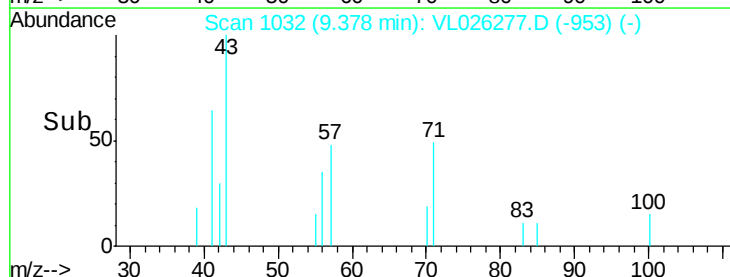
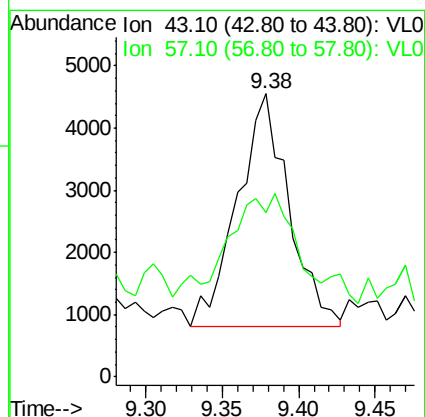
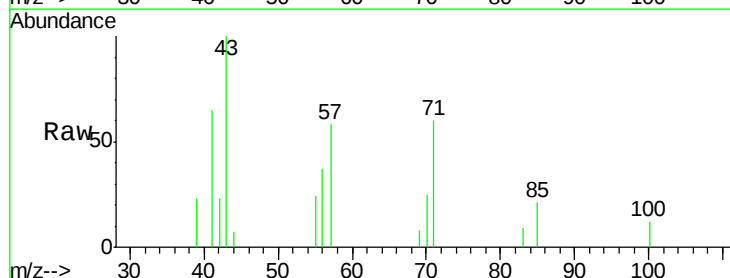
Acq: 29 Oct 2015 23:16

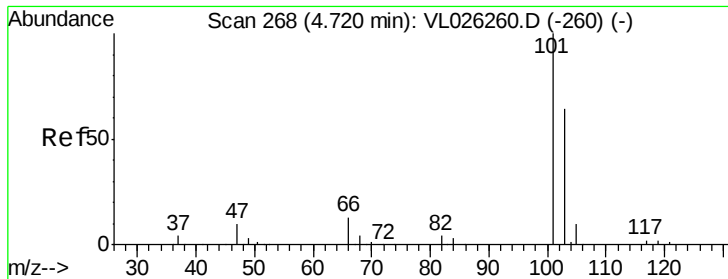
Tgt Ion: 43 Resp: 8751

Ion Ratio Lower Upper

43 100

57 73.1 41.1 61.7#





#11

Trichlorofluoromethane

Concen: 0.02 ppbv

RT: 4.71 min Scan# 267

Delta R.T. -0.01 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :

MSVOA_L

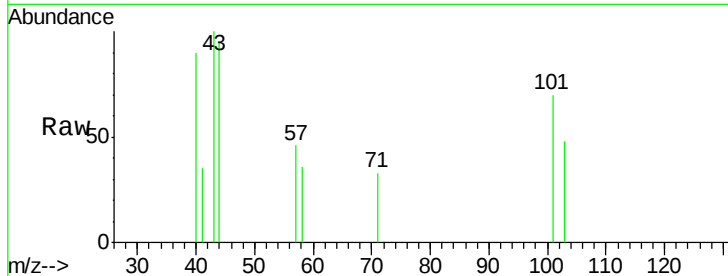
ClientSampled :

Tot Ion:101 Resp: 1931

Ion Ratio Lower Upper

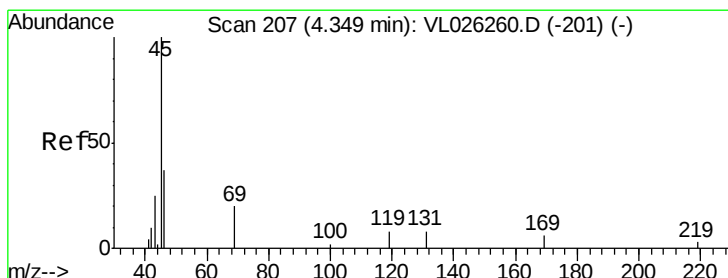
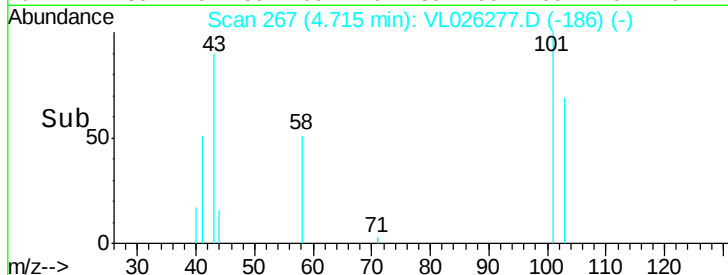
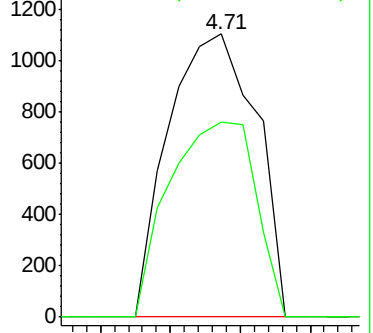
101 100

103 68.9 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 0.32 ppbv

RT: 4.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VL026277.D

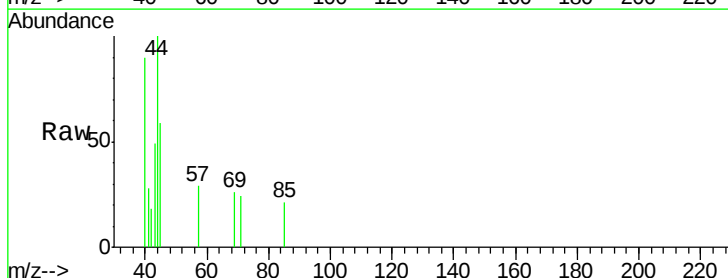
Acq: 29 Oct 2015 23:16

Tgt Ion: 45 Resp: 1692

Ion Ratio Lower Upper

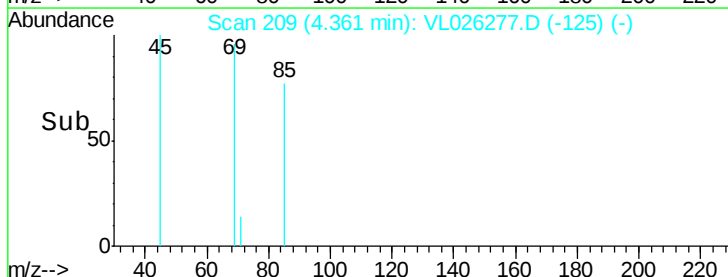
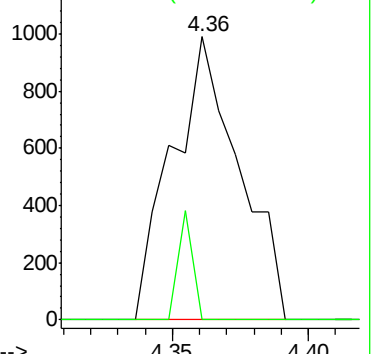
45 100

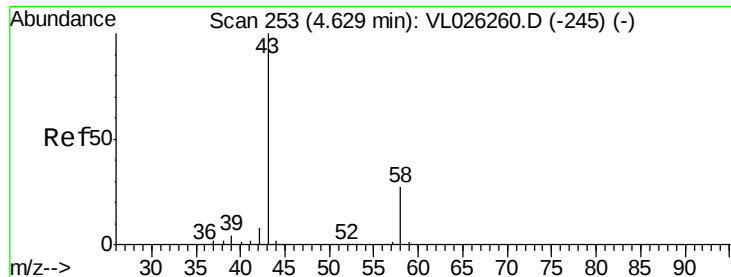
46 0.0 17.0 68.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 2.15 ppbv

RT: 4.63 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :

MSVOA_L

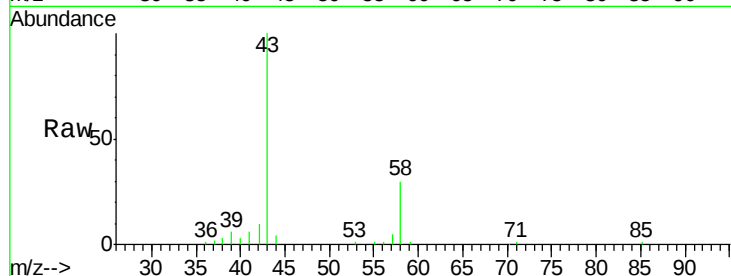
ClientSampleId :

Tot Ion: 43 Resp: 167826

Ion Ratio Lower Upper

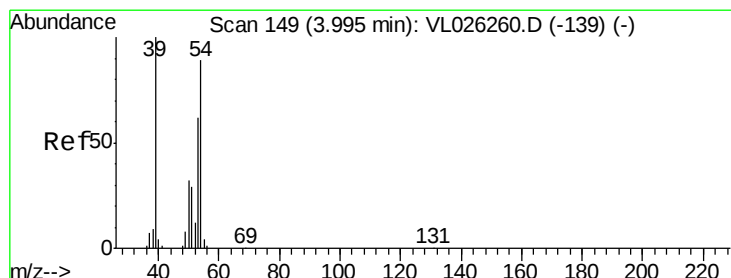
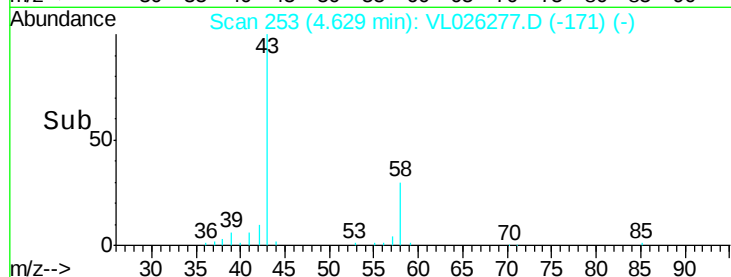
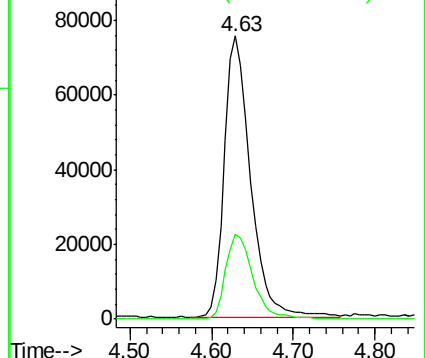
43 100

58 31.0 22.3 33.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.34 ppbv

RT: 3.96 min Scan# 143

Delta R.T. -0.04 min

Lab File: VL026277.D

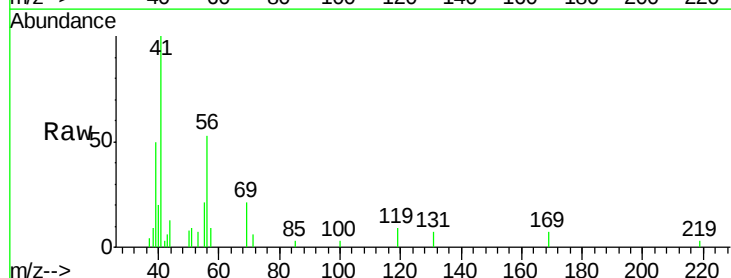
Acq: 29 Oct 2015 23:16

Tgt Ion: 39 Resp: 12949

Ion Ratio Lower Upper

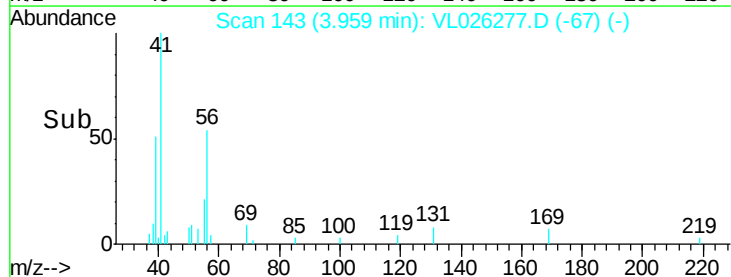
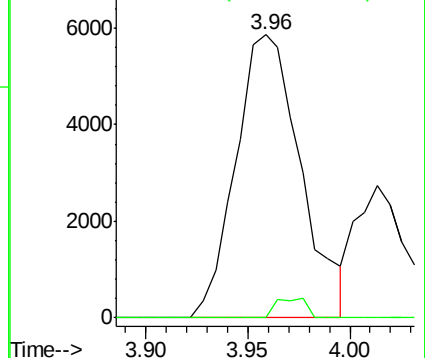
39 100

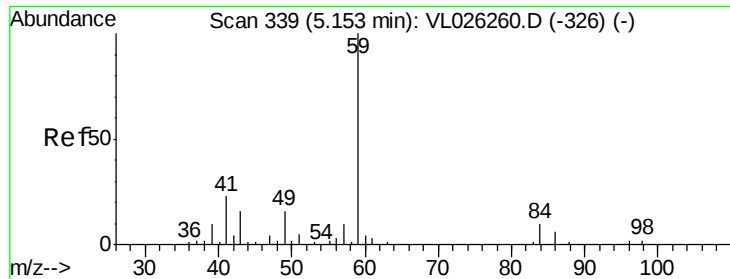
54 3.2 67.3 100.9#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



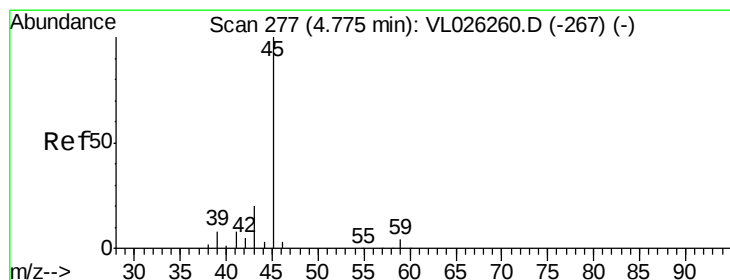
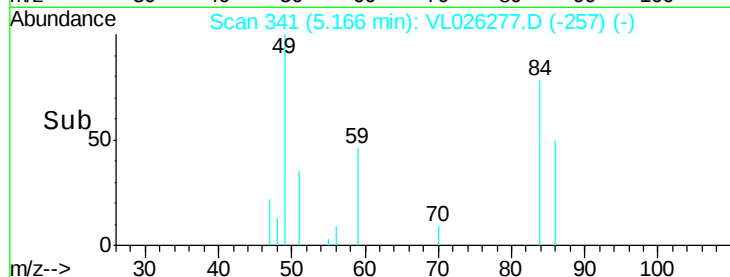
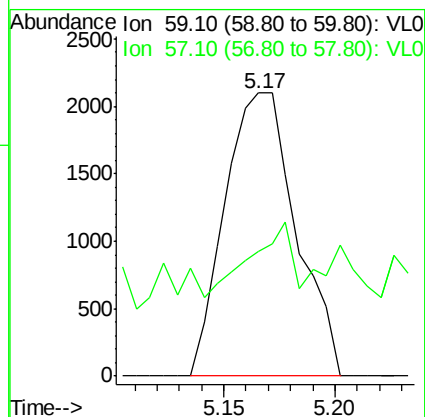
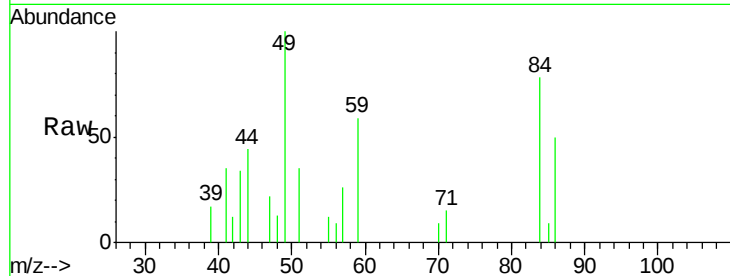


#17

tert-Butyl alcohol
 Concen: 0.08 ppbv
 RT: 5.17 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VL026277.D
 Acq: 29 Oct 2015 23:16

Instrument :
 MSVOA_L
 ClientSampleId :

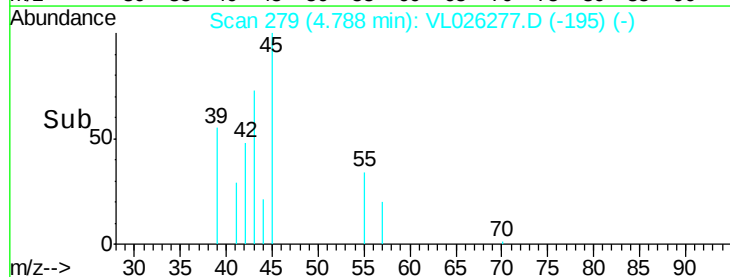
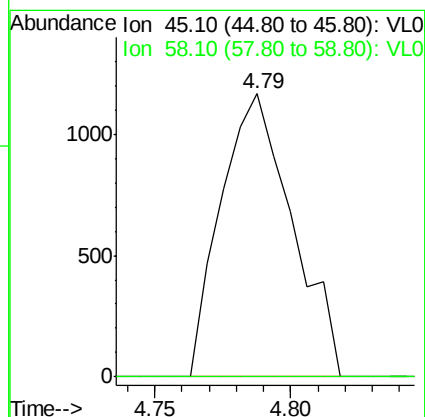
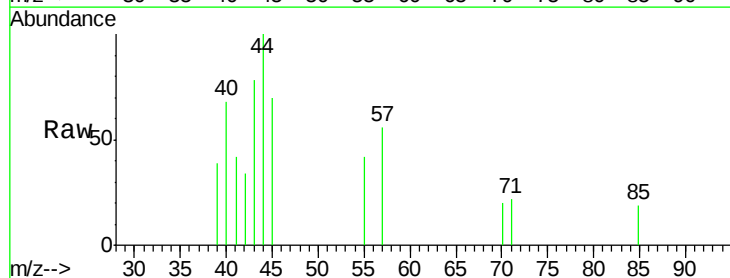
Tot Ion: 59 Resp: 4672
 Ion Ratio Lower Upper
 59 100
 57 29.3 8.7 13.1#

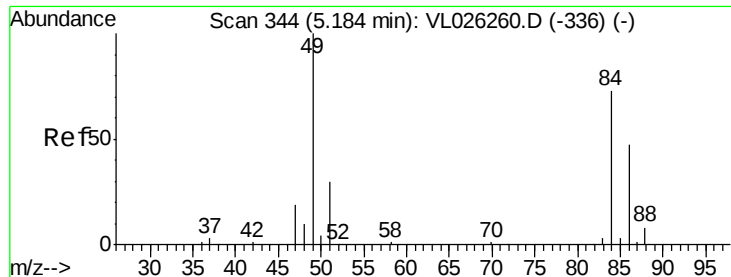


#19

Isopropyl Alcohol
 Concen: 0.06 ppbv
 RT: 4.79 min Scan# 279
 Delta R.T. 0.01 min
 Lab File: VL026277.D
 Acq: 29 Oct 2015 23:16

Tgt Ion: 45 Resp: 2120
 Ion Ratio Lower Upper
 45 100
 58 2453.2 43.8 65.8#

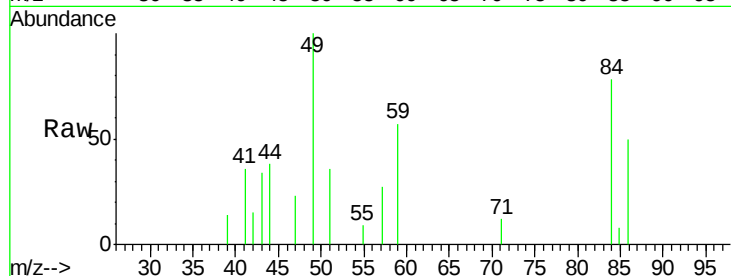




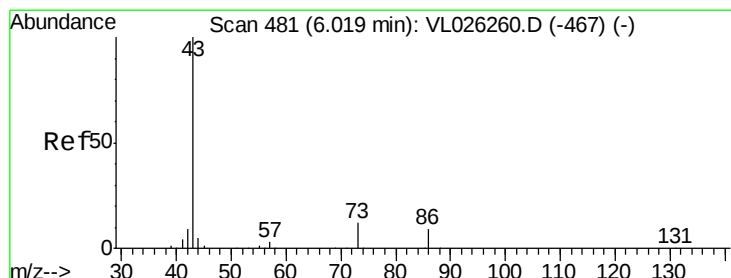
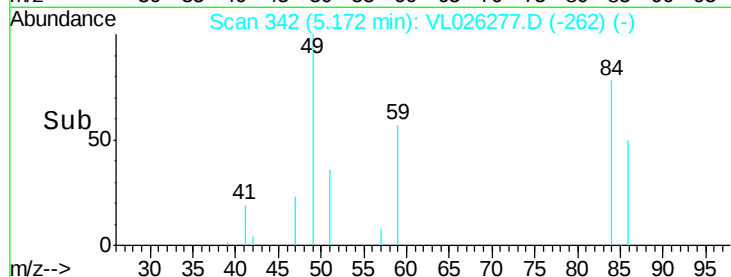
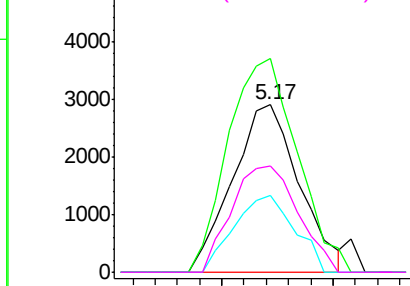
#20
Methvlene Chloride
Concen: 0.18 ppbv
RT: 5.17 min Scan# 342
Delta R.T. -0.01 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 6039
Ion Ratio Lower Upper
84 100
49 127.4 109.0 163.4
51 45.6 32.8 49.2
86 63.3 50.8 76.2

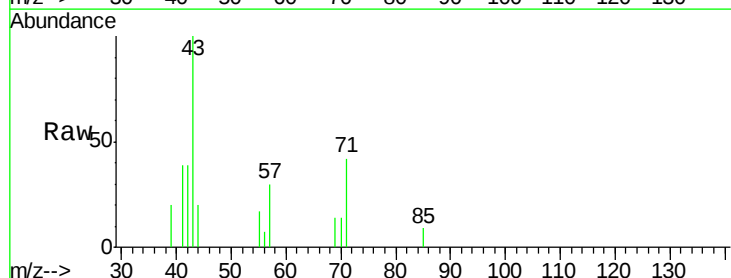


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

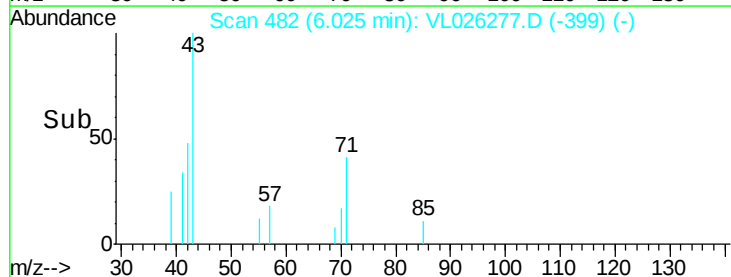
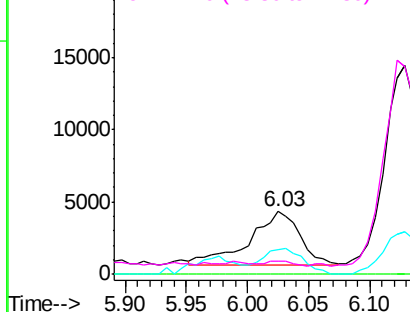


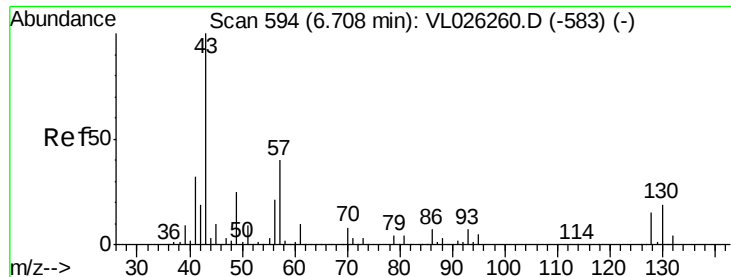
#23
Vinyl Acetate
Concen: 0.07 ppbv
RT: 6.03 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

Tgt Ion: 43 Resp: 10706
Ion Ratio Lower Upper
43 100
86 0.0 7.3 10.9#
42 47.2 7.2 10.8#
44 6.0 3.8 5.8#



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

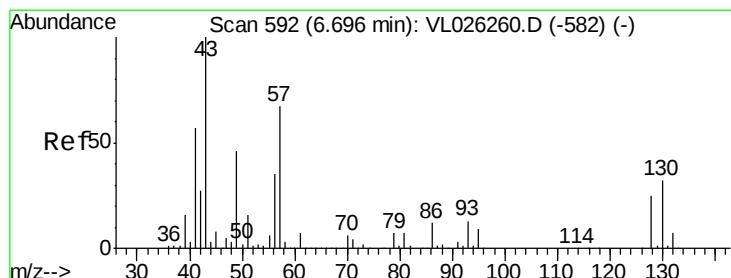
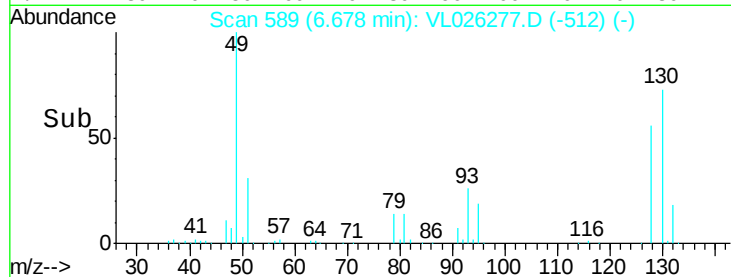
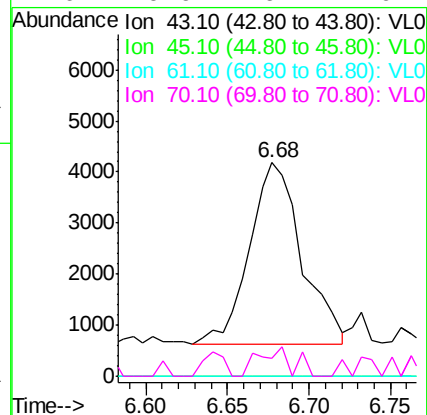
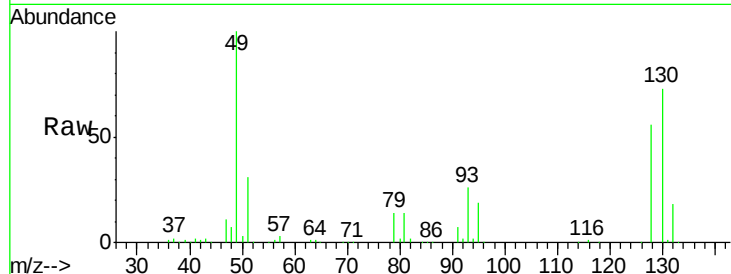




#25
Ethyl Acetate
Concen: 0.05 ppbv
RT: 6.68 min Scan# 589
Delta R.T. -0.03 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

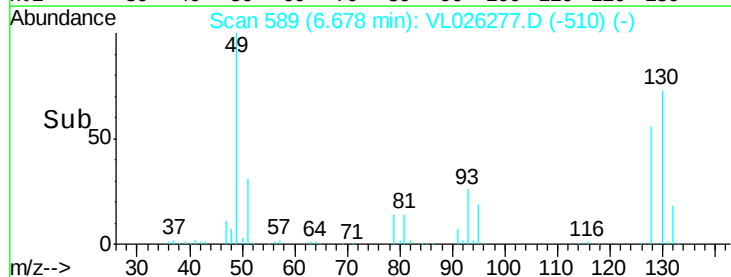
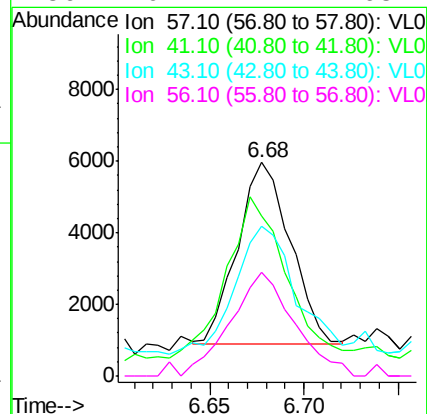
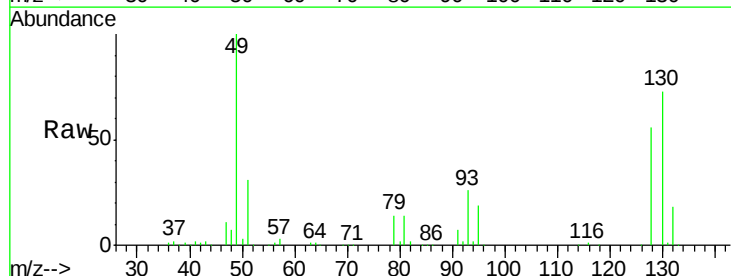
Instrument :
MSVOA_L
ClientSampleId :

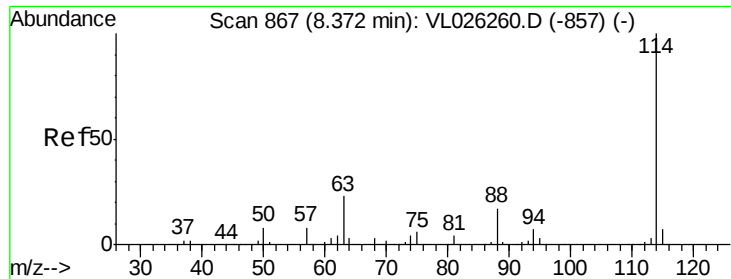
Tot Ion: 43 Resp: 7980
Ion Ratio Lower Upper
43 100
45 0.0 7.6 11.4#
61 0.0 7.4 11.2#
70 26.9 6.7 10.1#



#26
Hexane
Concen: 0.12 ppbv
RT: 6.68 min Scan# 589
Delta R.T. -0.02 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

Tgt Ion: 57 Resp: 9887
Ion Ratio Lower Upper
57 100
41 119.2 67.4 101.2#
43 92.8 163.9 245.9#
56 70.7 42.2 63.2#

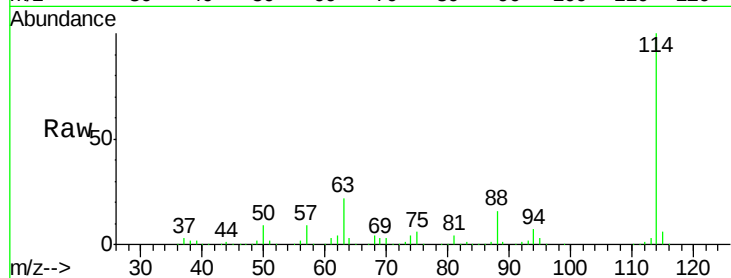




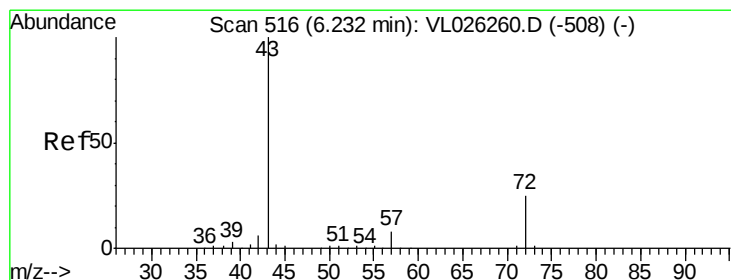
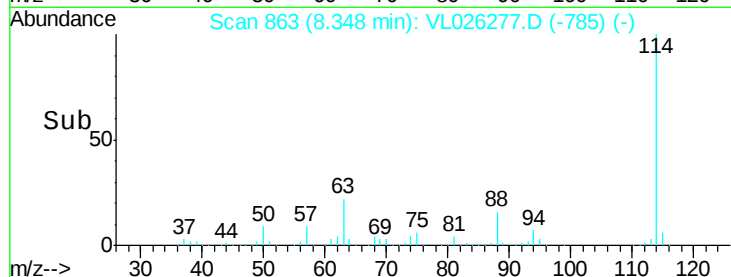
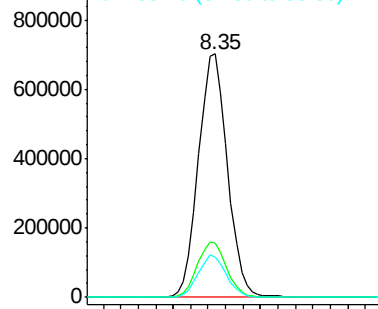
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.35 min Scan# 863
 Delta R.T. -0.02 min
 Lab File: VL026277.D
 Acq: 29 Oct 2015 23:16

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 1622671
 Ion Ratio Lower Upper
 114 100
 63 22.8 18.6 28.0
 88 16.8 13.4 20.2

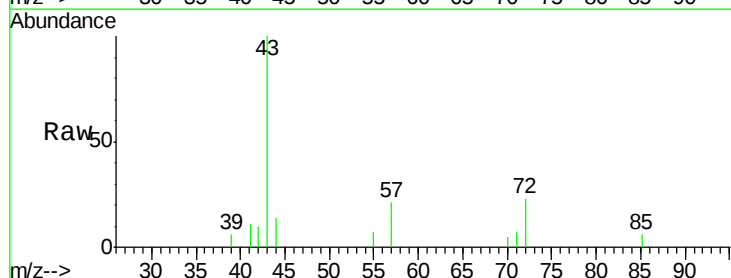


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

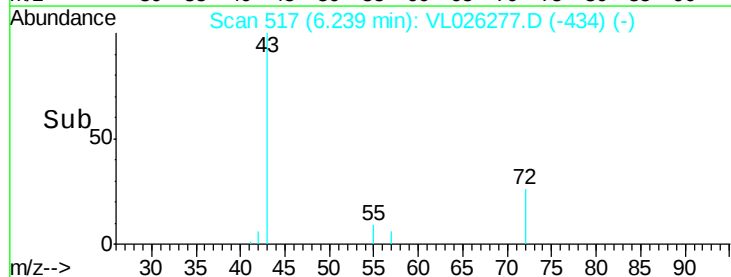
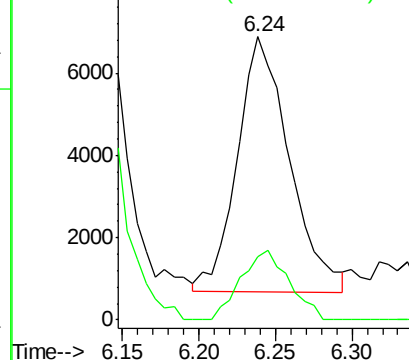


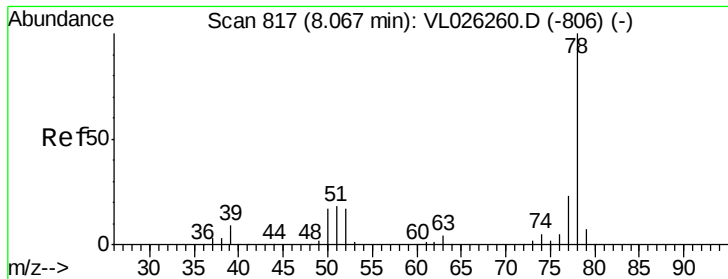
#34
 2-Butanone
 Concen: 0.15 ppbv
 RT: 6.24 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VL026277.D
 Acq: 29 Oct 2015 23:16

Tgt Ion: 43 Resp: 14695
 Ion Ratio Lower Upper
 43 100
 72 25.2 19.9 29.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.04 ppbv

RT: 8.04 min Scan# 812

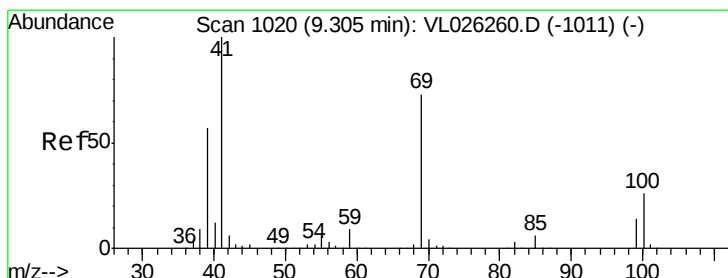
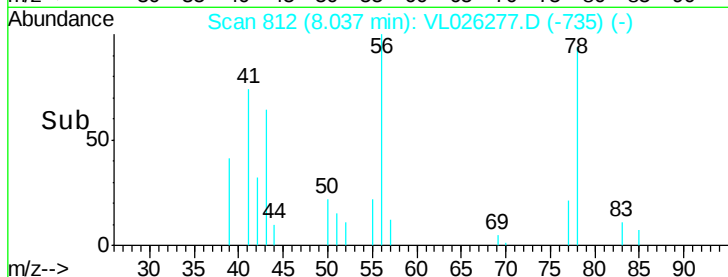
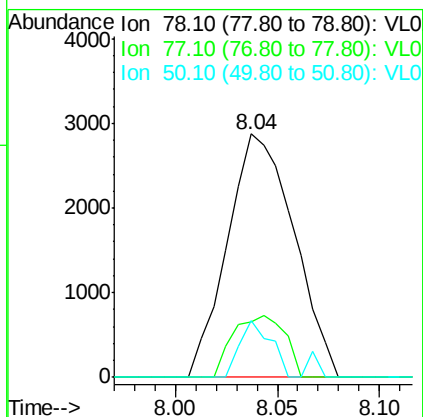
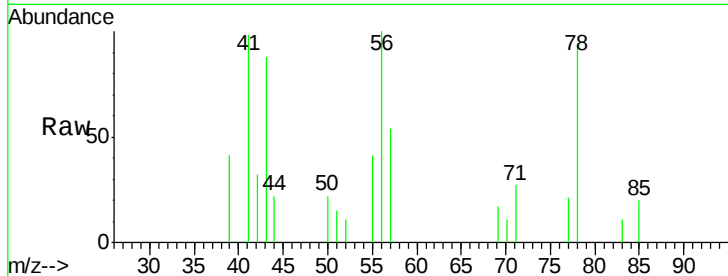
Delta R.T. -0.03 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	78	Resp:	6508
Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.0	27.0
50	23.4	13.3	19.9#



#43

Methyl Methacrylate

Concen: 0.01 ppbv

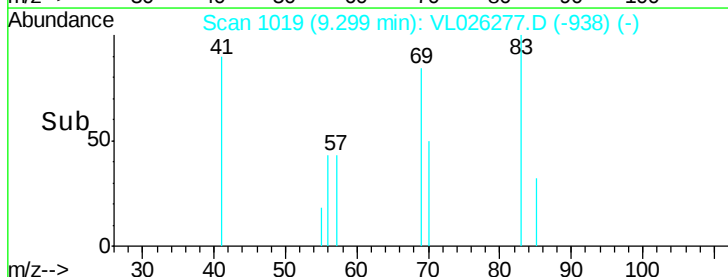
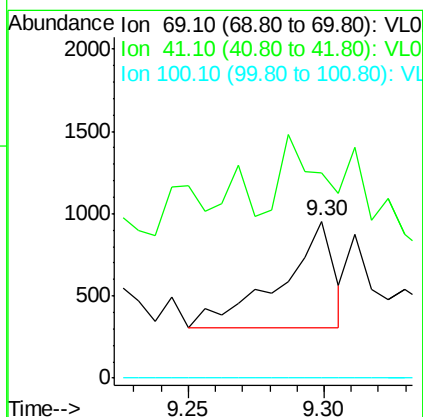
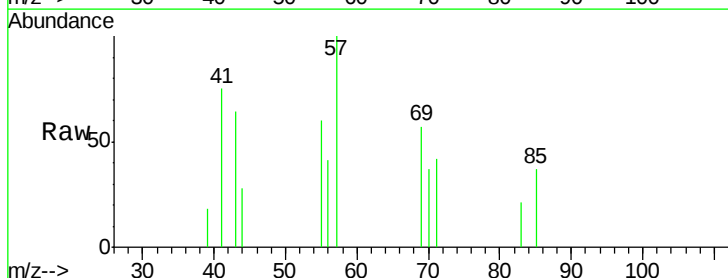
RT: 9.30 min Scan# 1019

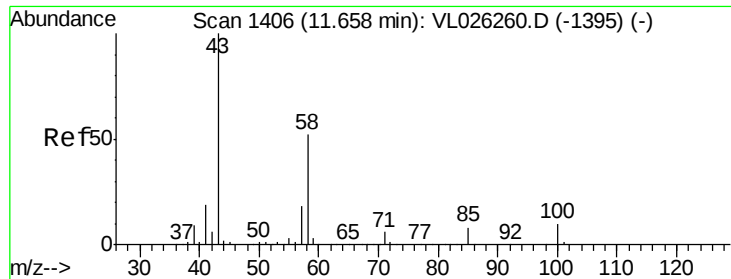
Delta R.T. -0.01 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Tgt Ion:	69	Resp:	885
Ion	Ratio	Lower	Upper
69	100		
41	0.0	110.0	165.0#
100	0.0	28.6	43.0#

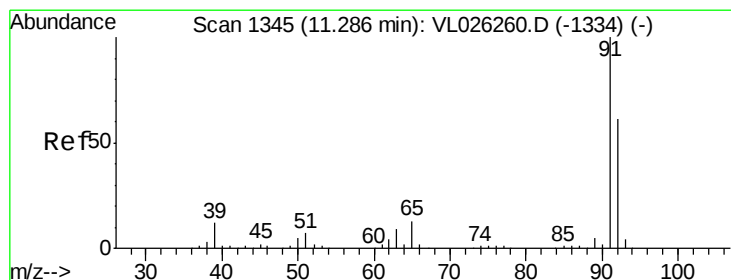
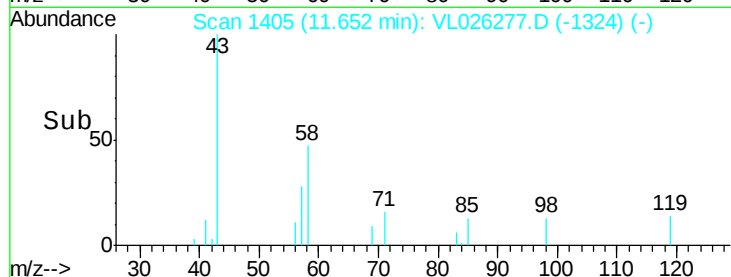
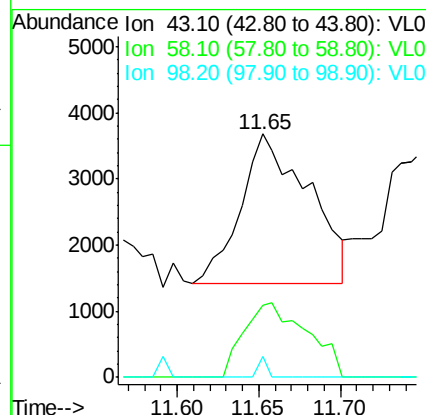
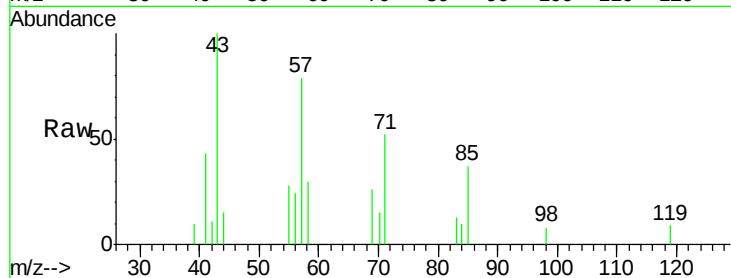




#51
2-Hexanone
Concen: 0.06 ppbv
RT: 11.65 min Scan# 1405
Delta R.T. -0.01 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

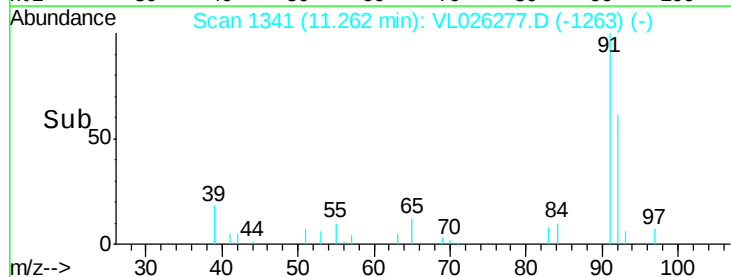
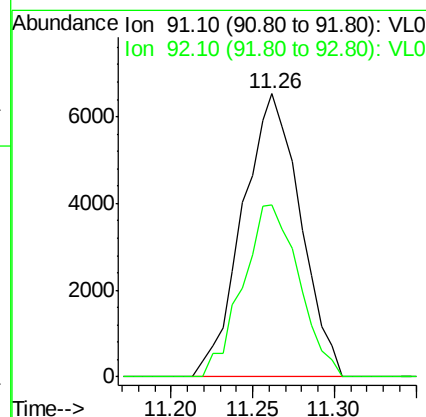
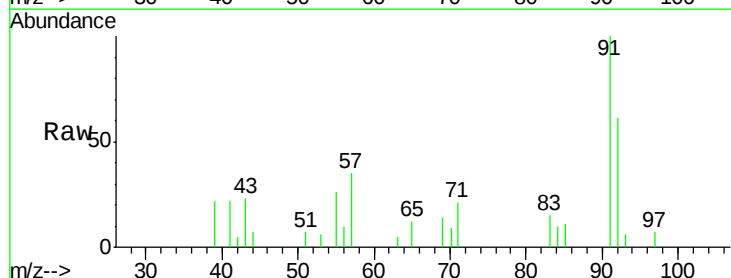
Instrument :
MSVOA_L
ClientSampled :

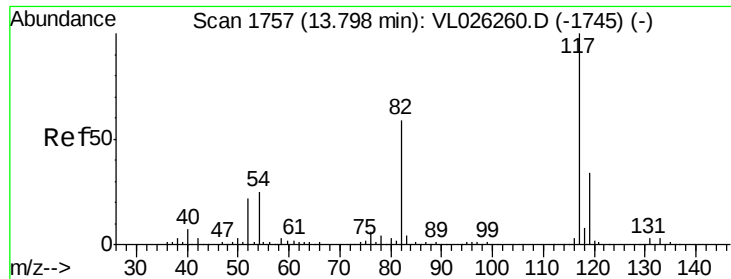
Tot Ion: 43 Resp: 6610
Ion Ratio Lower Upper
43 100
58 45.7 42.7 64.1
98 0.0 0.0 0.0



#53
Toluene
Concen: 0.07 ppbv
RT: 11.26 min Scan# 1341
Delta R.T. -0.02 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

Tgt Ion: 91 Resp: 16124
Ion Ratio Lower Upper
91 100
92 59.0 48.6 73.0

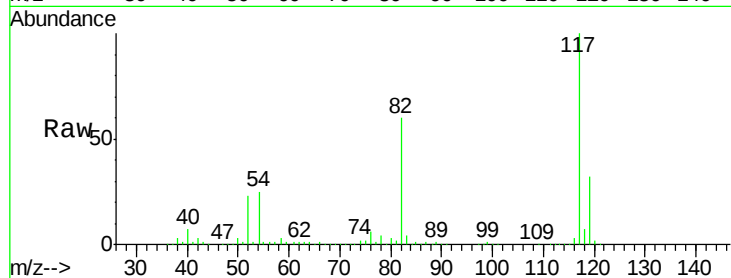




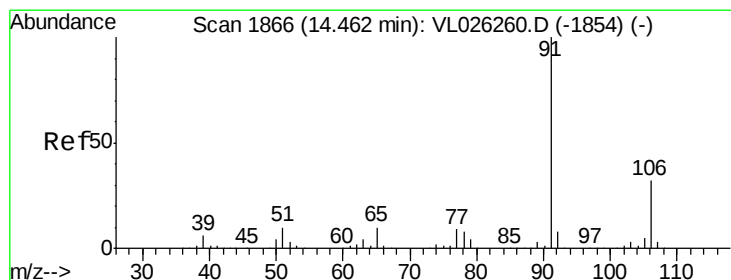
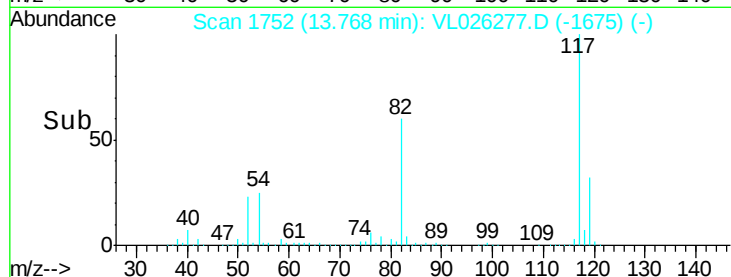
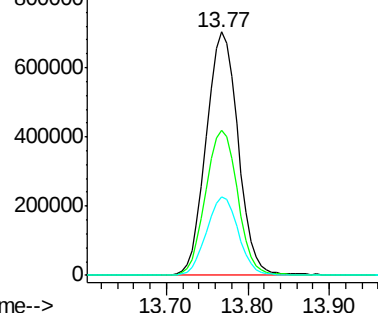
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.77 min Scan# 1752
Delta R.T. -0.03 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 1909698
Ion Ratio Lower Upper
117 100
82 60.8 48.2 72.4
119 32.4 46.2 69.2#

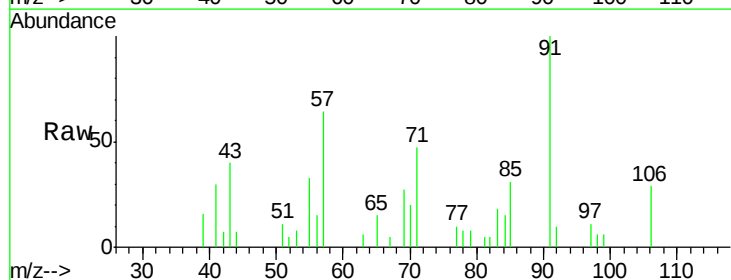


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

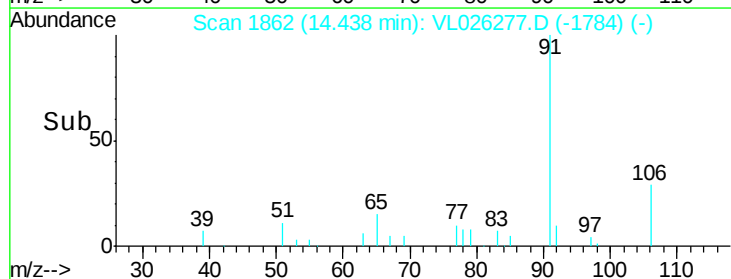
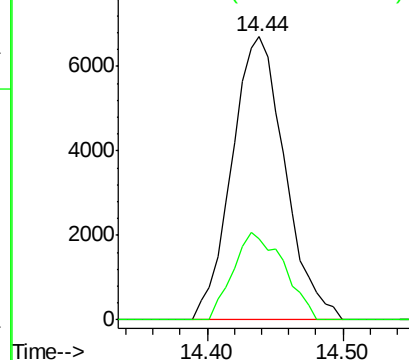


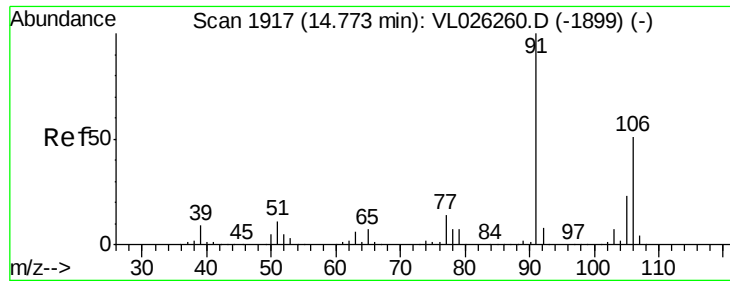
#58
Ethyl Benzene
Concen: 0.06 ppbv
RT: 14.44 min Scan# 1862
Delta R.T. -0.02 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

Tgt Ion: 91 Resp: 18256
Ion Ratio Lower Upper
91 100
106 28.7 25.7 38.5



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

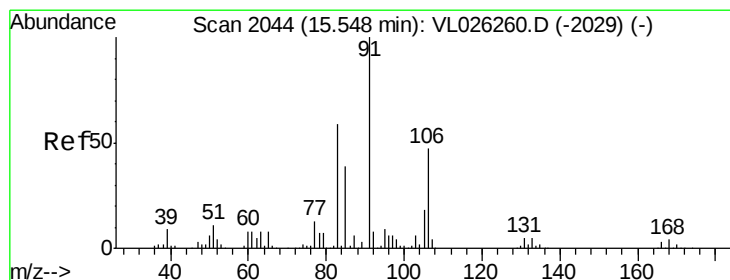
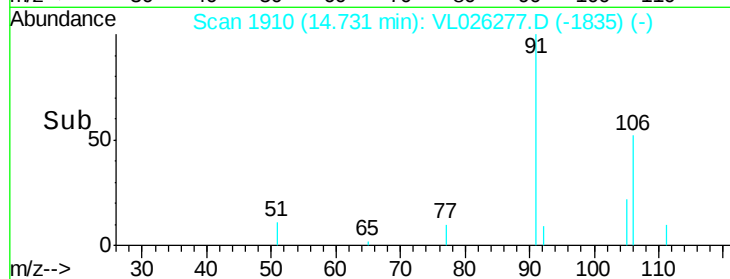
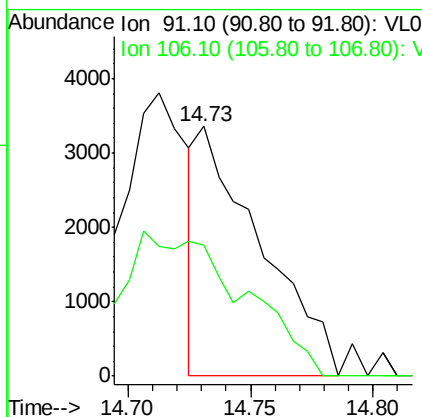
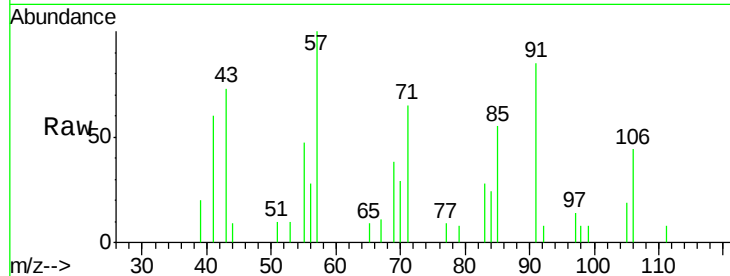




#59
m/p-Xylene
Concen: 0.02 ppbv
RT: 14.73 min Scan# 1910
Delta R.T. -0.04 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

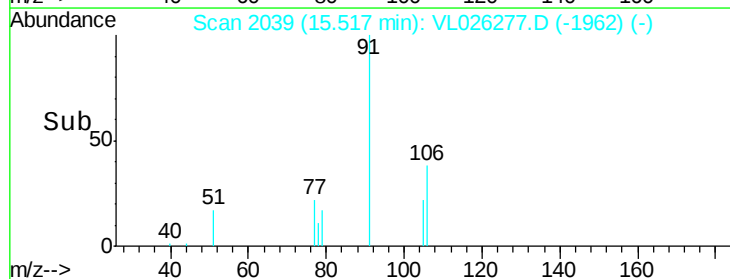
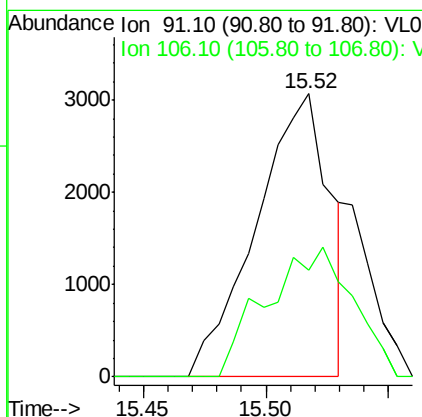
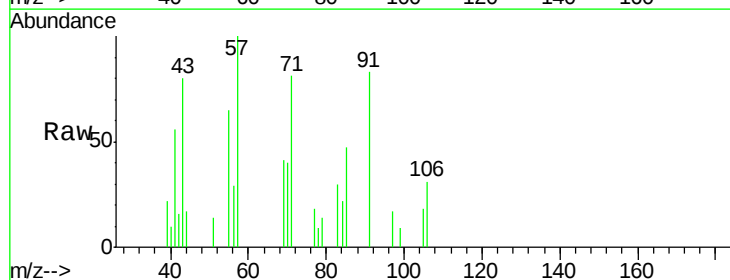
Instrument :
MSVOA_L
ClientSampled :

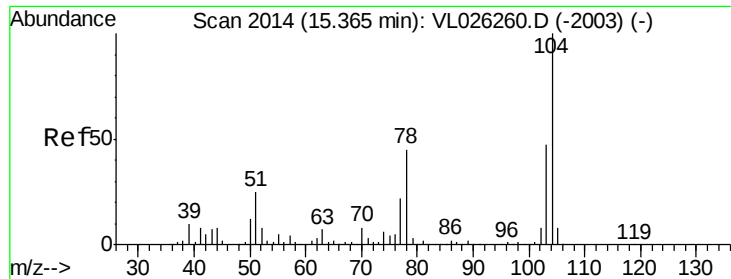
Tot Ion: 91 Resp: 6005
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 0.02 ppbv
RT: 15.52 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

Tgt Ion: 91 Resp: 6434
Ion Ratio Lower Upper
91 100
106 53.7 23.6 70.8

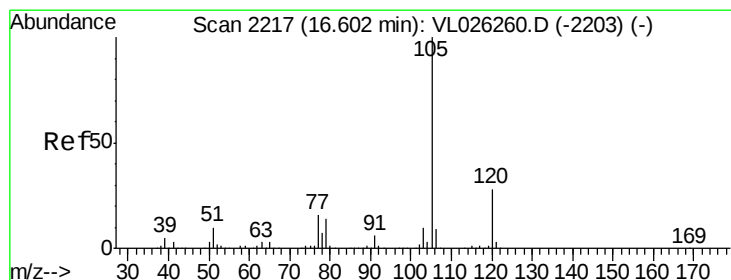
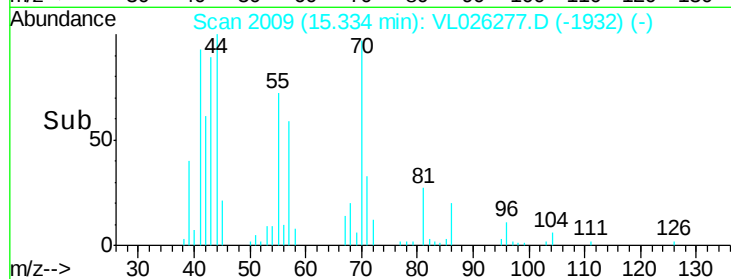
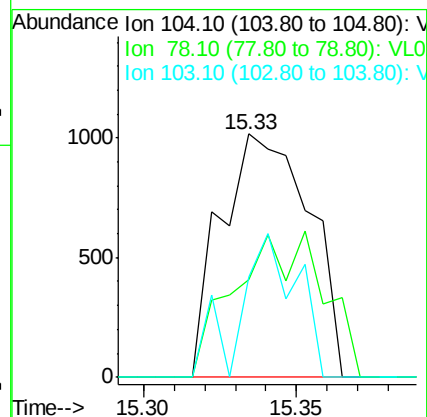
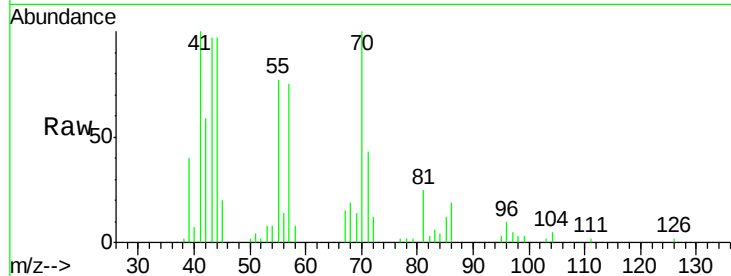




#61
Stvrene
Concen: 0.02 ppbv
RT: 15.33 min Scan# 2009
Delta R.T. -0.03 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

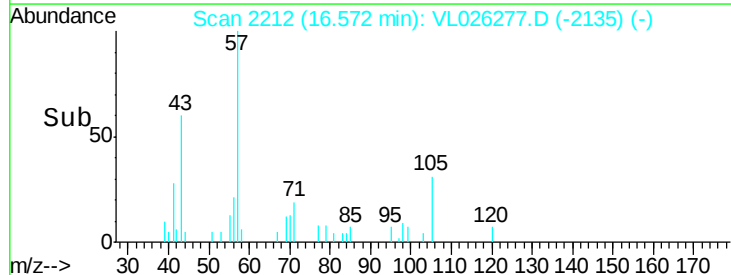
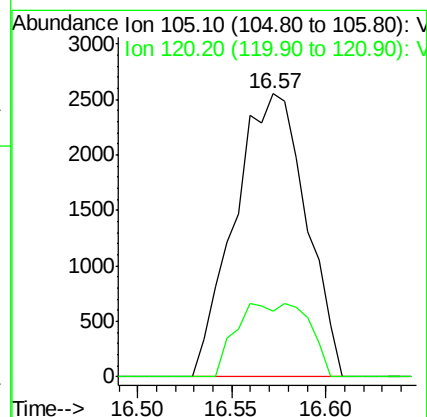
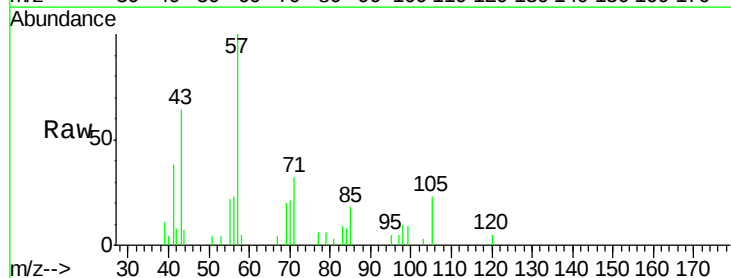
Instrument :
MSVOA_L
ClientSampled :

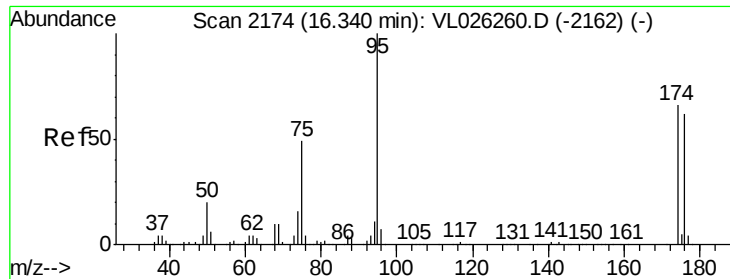
Tot Ion:104 Resp: 2039
Ion Ratio Lower Upper
104 100
78 59.5 35.5 53.3#
103 38.8 37.0 55.6



#62
Isopropylbenzene
Concen: 0.02 ppbv
RT: 16.57 min Scan# 2212
Delta R.T. -0.03 min
Lab File: VL026277.D
Acq: 29 Oct 2015 23:16

Tgt Ion:105 Resp: 6702
Ion Ratio Lower Upper
105 100
120 26.1 21.7 32.5





#68

1-Bromo-4-Fluorobenzene

Concen: 10.27 ppbv

RT: 16.31 min Scan# 2169

Delta R.T. -0.03 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :

MSVOA_L

ClientSampleId :

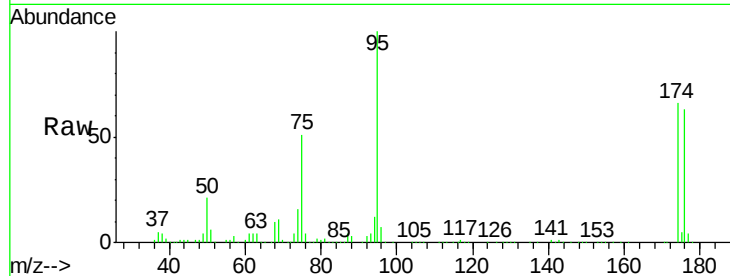
Tot Ion: 95 Resp: 1488412

Ion Ratio Lower Upper

95 100

174 66.2 52.9 79.3

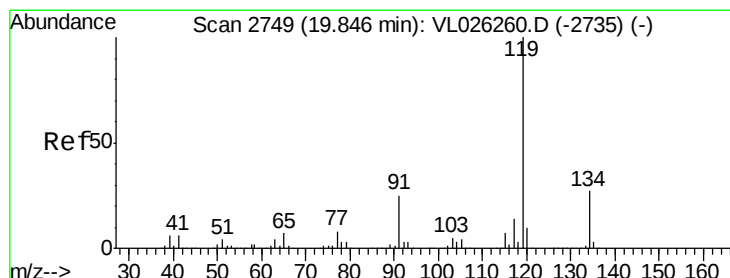
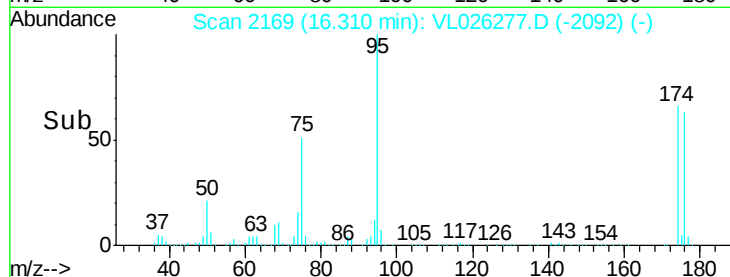
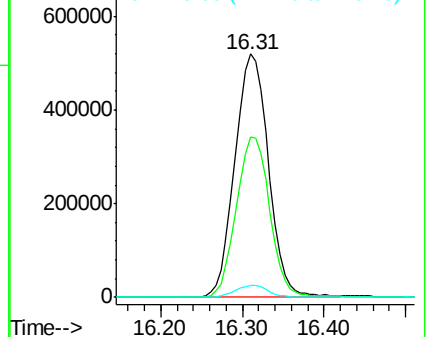
175 4.9 3.8 5.8



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



#69

p-Isopropyltoluene

Concen: 0.03 ppbv

RT: 19.82 min Scan# 2744

Delta R.T. -0.03 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

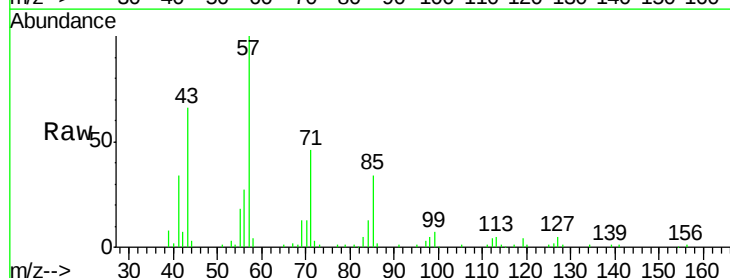
Tgt Ion: 119 Resp: 9551

Ion Ratio Lower Upper

119 100

134 19.8 21.3 31.9#

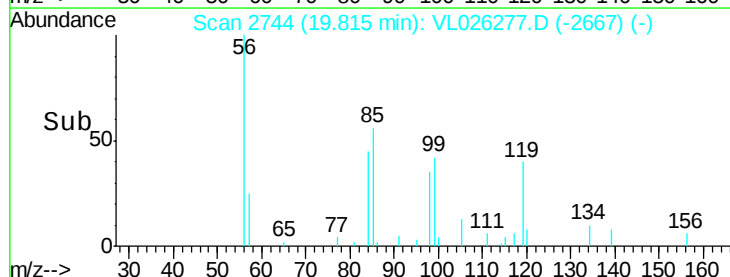
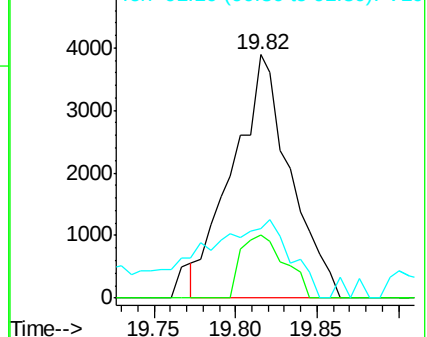
91 51.9 19.6 29.4#

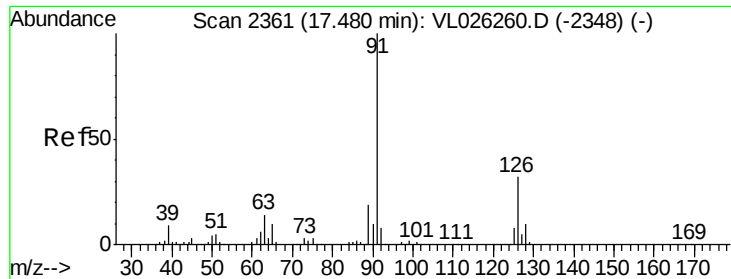


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0





#71

2-Chlorotoluene

Concen: 1.04 ppbv

RT: 17.29 min Scan# 2329

Delta R.T. -0.19 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :

MSVOA_L

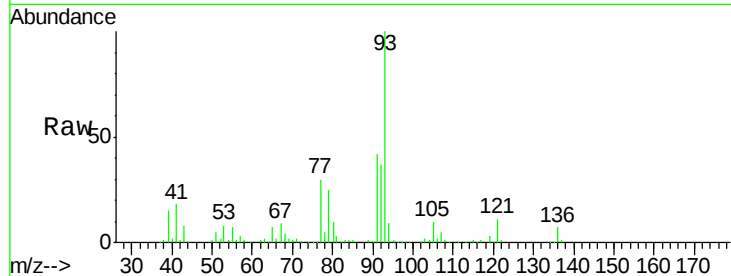
ClientSampleId :

Tot Ion: 91 Resp: 269719

Ion Ratio Lower Upper

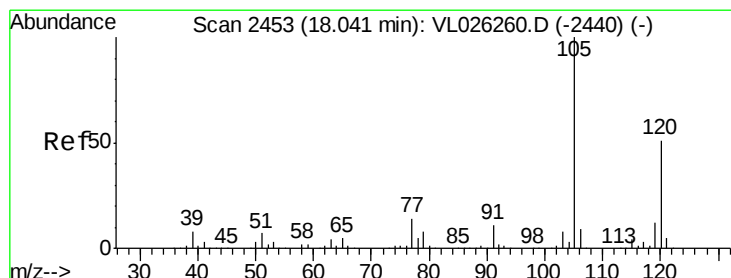
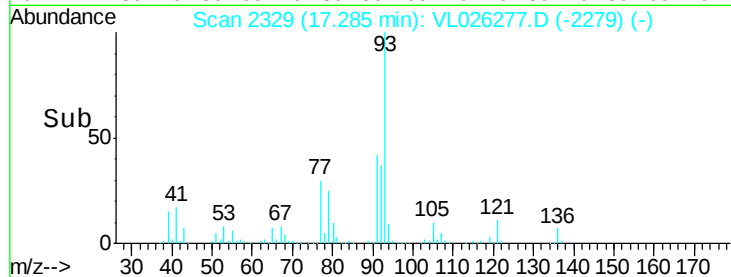
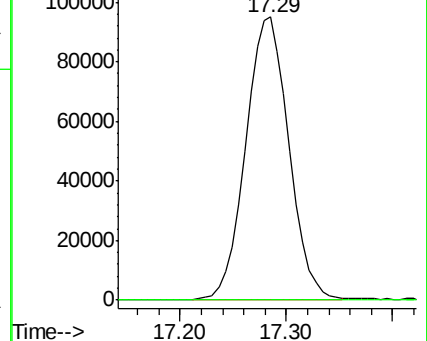
91 100

126 0.0 12.8 51.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#73

1,3,5-Trimethylbenzene

Concen: 0.03 ppbv

RT: 18.01 min Scan# 2448

Delta R.T. -0.03 min

Lab File: VL026277.D

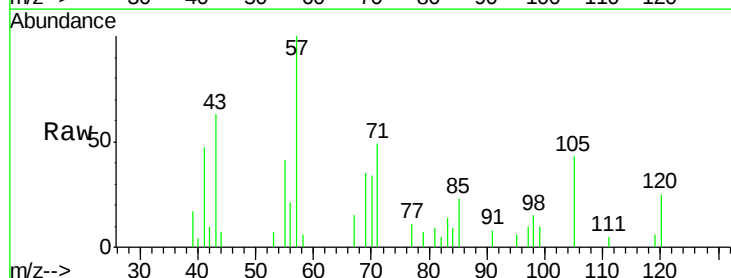
Acq: 29 Oct 2015 23:16

Tgt Ion:105 Resp: 8143

Ion Ratio Lower Upper

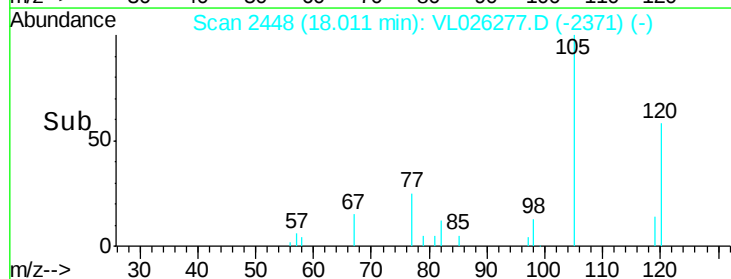
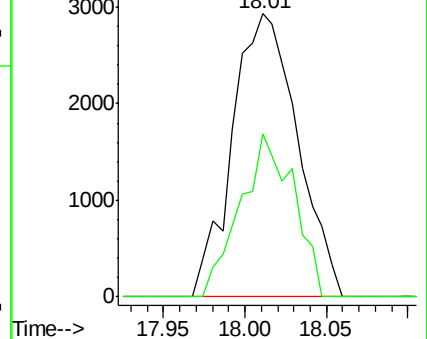
105 100

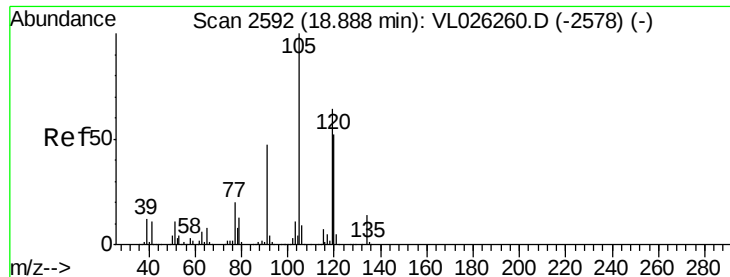
120 57.8 40.6 61.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.06 ppbv

RT: 18.86 min Scan# 2588

Delta R.T. -0.02 min

Lab File: VL026277.D

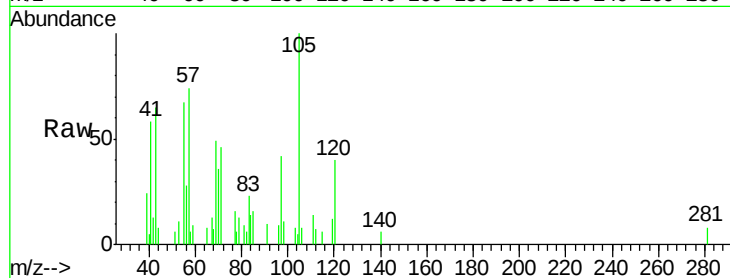
Acq: 29 Oct 2015 23:16

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	18558
Ion	Ratio	Lower	Upper
105	100		
120	39.9	41.2	61.8#
91	10.3	37.8	56.8#
77	16.3	16.1	24.1

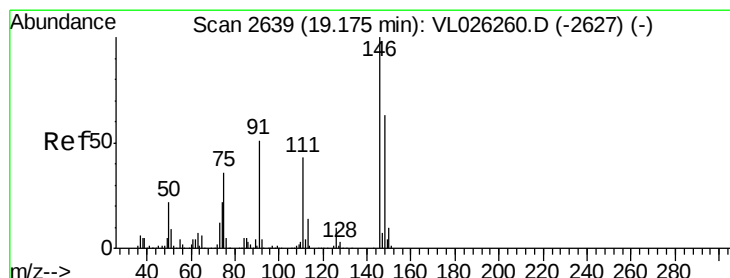
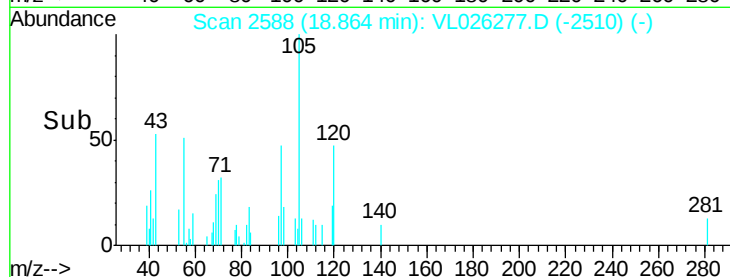
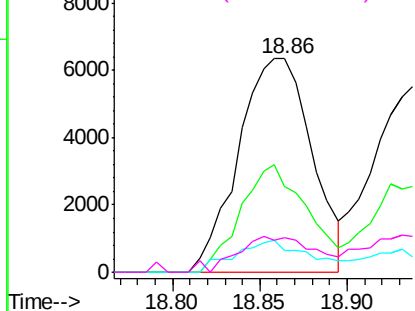


Abundance Ion 105.10 (104.80 to 105.80): V

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



#75

1,3-Dichlorobenzene

Concen: 0.01 ppbv

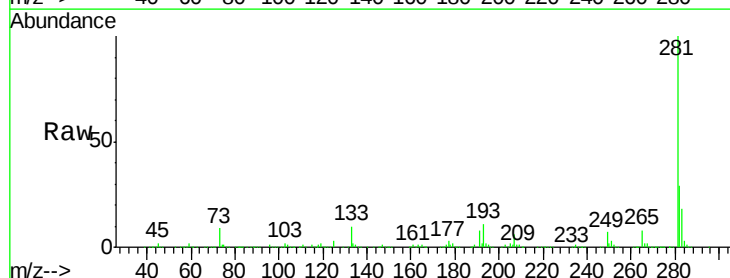
RT: 18.94 min Scan# 2601

Delta R.T. -0.23 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

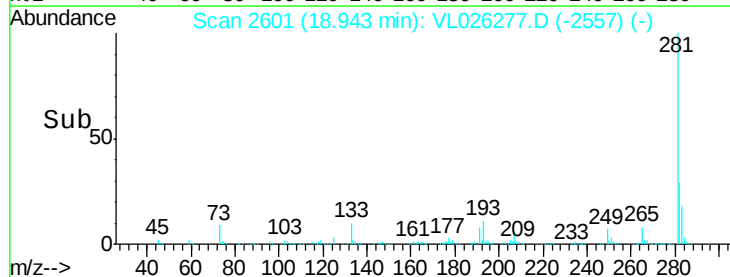
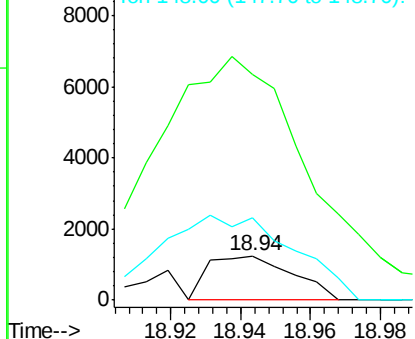
Tgt Ion:	146	Resp:	2086
Ion	Ratio	Lower	Upper
146	100		
111	1135.7	21.9	65.5#
148	315.2	31.8	95.3#

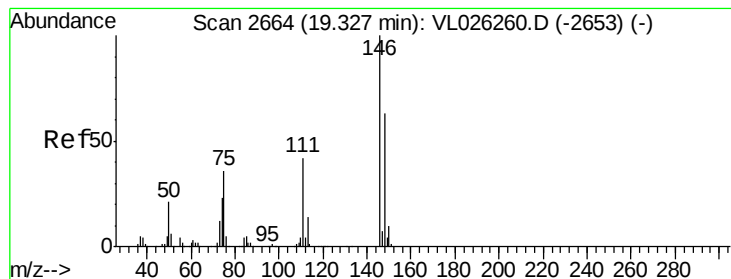


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.01 ppbv

RT: 18.94 min Scan# 2601

Delta R.T. -0.38 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :

MSVOA_L

ClientSampleId :

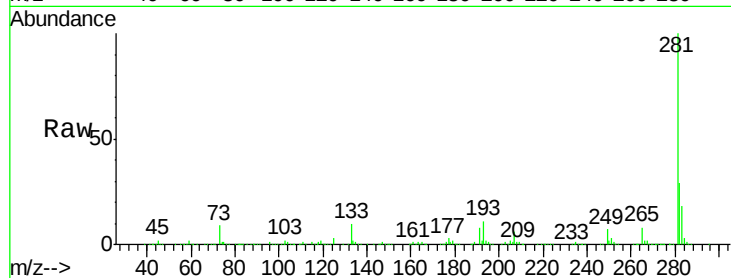
Tot Ion:146 Resp: 2086

Ion Ratio Lower Upper

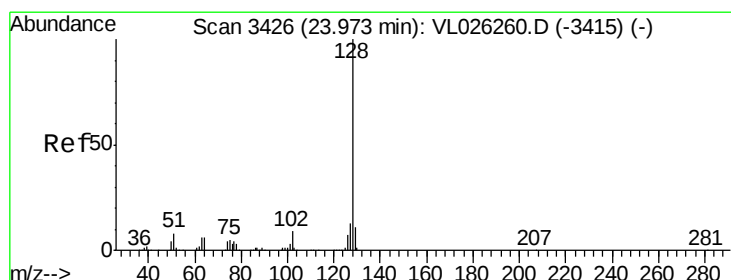
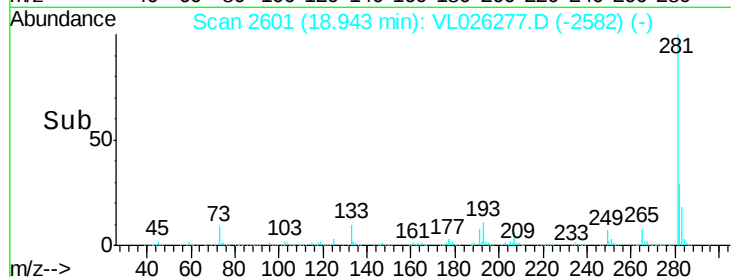
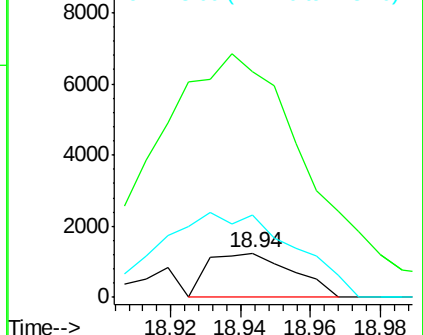
146 100

111 1021.9 21.1 63.4#

148 315.1 31.8 95.3#



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



#79

Naphthalene

Concen: 0.03 ppbv

RT: 23.97 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

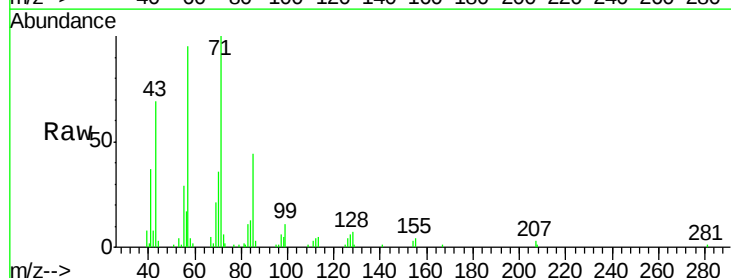
Tgt Ion:128 Resp: 5902

Ion Ratio Lower Upper

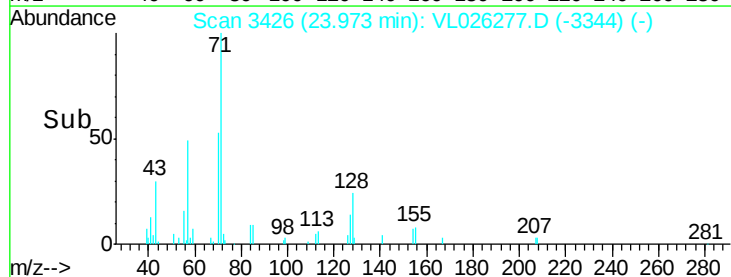
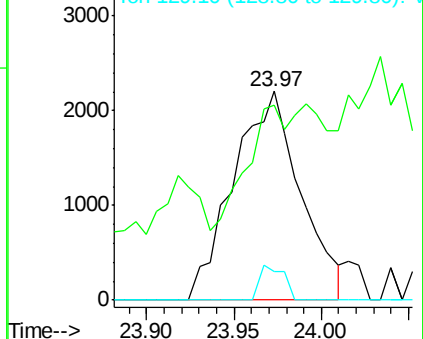
128 100

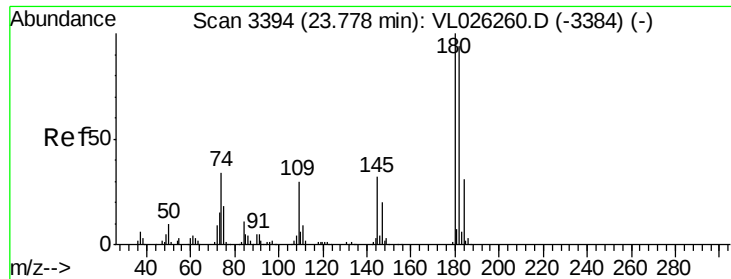
127 39.3 10.1 15.1#

129 13.7 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





#81

1,2,4-Trichlorobenzene

Concen: 0.02 ppbv

RT: 23.25 min Scan# 3307

Delta R.T. -0.53 min

Lab File: VL026277.D

Acq: 29 Oct 2015 23:16

Instrument :

MSVOA_L

ClientSampleId :

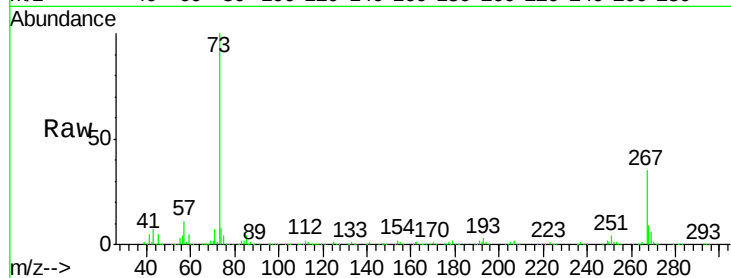
Tot Ion:180 Resp: 2289

Ion Ratio Lower Upper

180 100

182 0.0 76.0 114.0#

184 0.0 24.2 36.4#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

