

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026200.D
 Acq On : 10 Oct 2015 6:54
 Operator : SY/MD
 Sample : G3925-02DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 12 02:09:46 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Oct 09 16:23:14 2015
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.64	49	513607	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.31	114	1648875	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.73	117	1905225	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.27	95	1495362	10.22	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

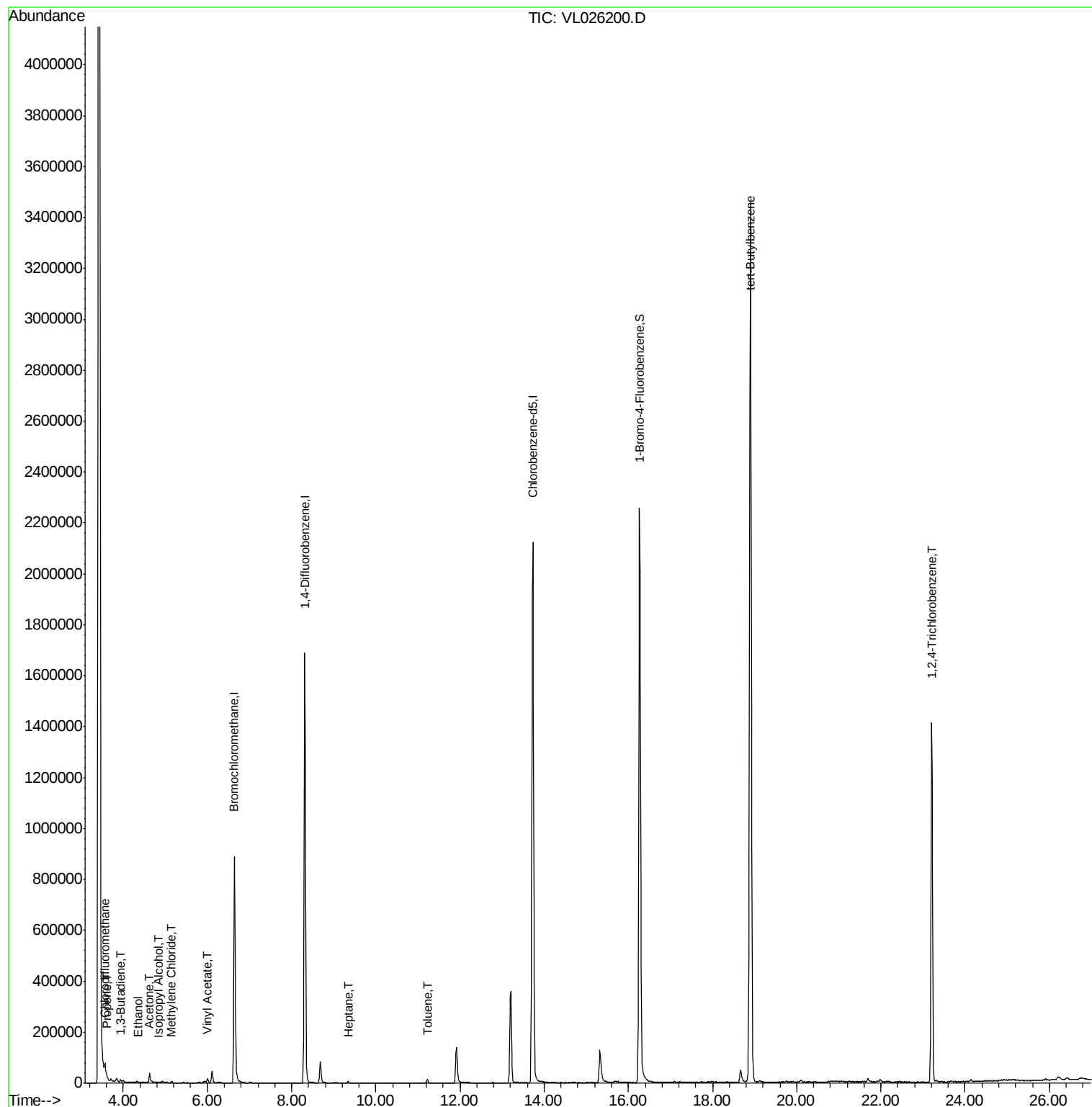
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.56	51	49090	0.82	ppbv	97
9) Propene	3.60	41	3101	0.11	ppbv #	67
10) Heptane	9.34	43	3077	0.03	ppbv	92
13) Ethanol	4.36	45	1149	0.28	ppbv #	31
15) Acetone	4.62	43	45969	0.69	ppbv #	69
16) 1,3-Butadiene	3.93	39	2000	0.07	ppbv #	7
19) Isopropyl Alcohol	4.82	45	1092	0.04	ppbv #	1
20) Methylene Chloride	5.14	84	2947	0.10	ppbv #	91
23) Vinyl Acetate	6.00	43	13476	0.11	ppbv #	59
53) Toluene	11.22	91	16149	0.08	ppbv	98
65) tert-Butylbenzene	18.89	119	63878	0.24	ppbv #	25
81) 1,2,4-Trichlorobenzene	23.21	180	2589	0.03	ppbv #	12

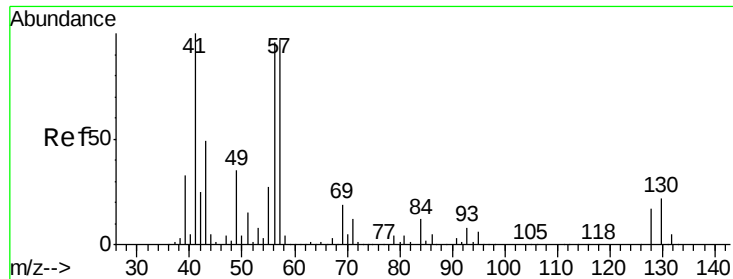
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400mL/MSVOA L
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ClientSampleId :

Quant Time: Oct 12 02:09:46 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 16:23:14 2015
QLast Update : Fri Oct 09 16:23:14 2015
Response via : Initial Calibration

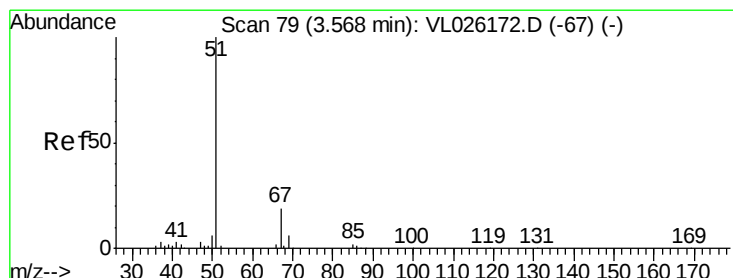
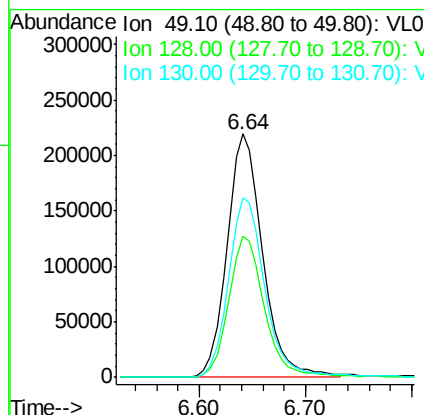
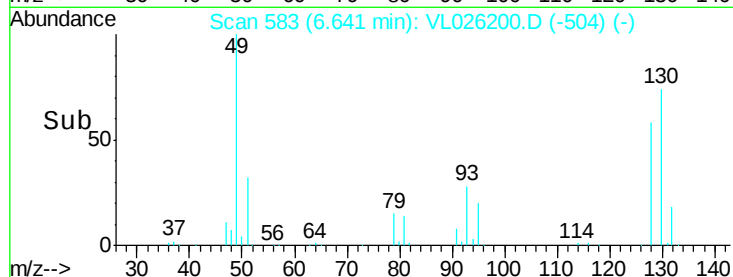
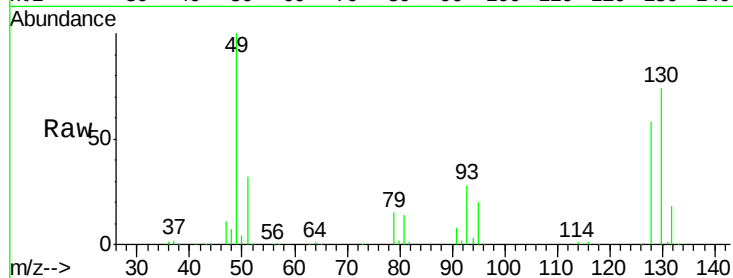




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.64 min Scan# 583
 Delta R.T. -0.02 min
 Lab File: VL026200.D
 Acq: 10 Oct 2015 6:54

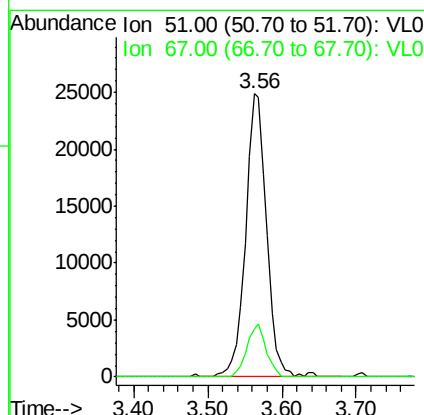
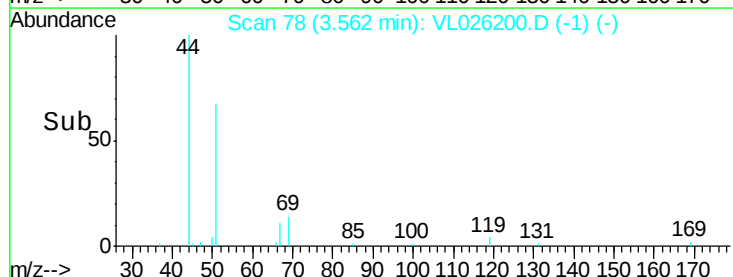
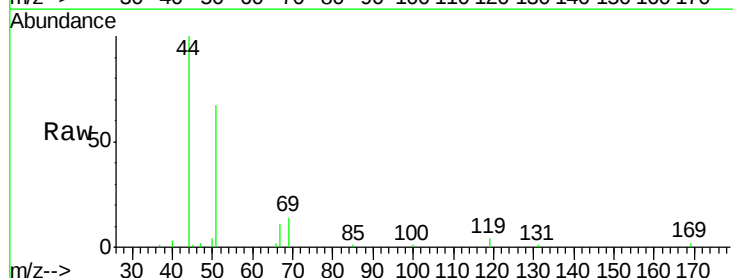
Instrument :
 MSVOA_L
 ClientSampled :

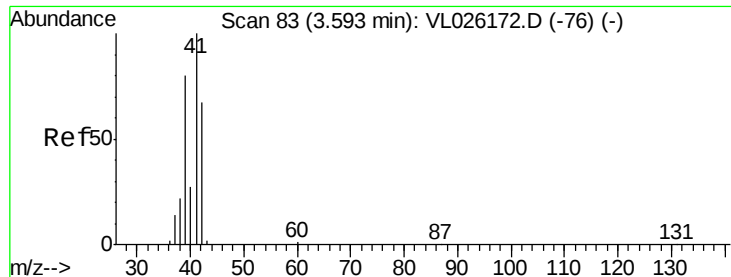
Tot Ion: 49 Resp: 513607
 Ion Ratio Lower Upper
 49 100
 128 59.0 26.3 78.8
 130 76.9 34.2 102.5



#3
 Chlorodifluoromethane
 Concen: 0.82 ppbv
 RT: 3.56 min Scan# 78
 Delta R.T. -0.01 min
 Lab File: VL026200.D
 Acq: 10 Oct 2015 6:54

Tgt Ion: 51 Resp: 49090
 Ion Ratio Lower Upper
 51 100
 67 17.0 14.9 22.3





#9

Propene

Concen: 0.11 ppbv

RT: 3.60 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL026200.D

Acq: 10 Oct 2015 6:54

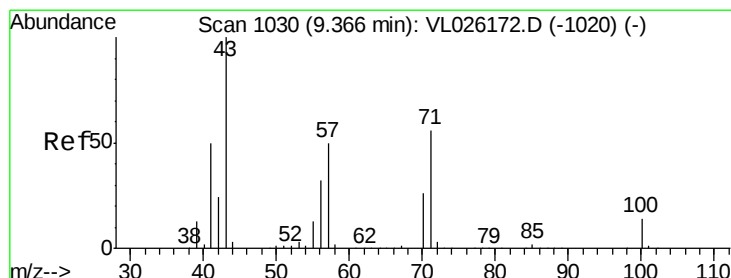
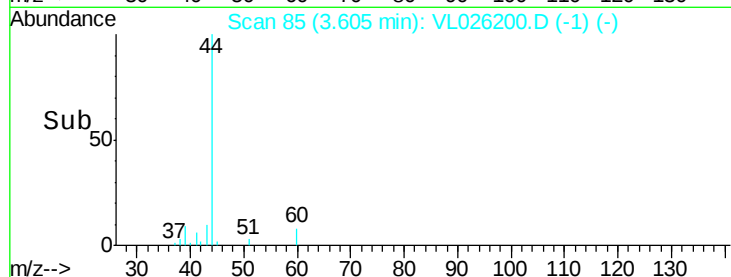
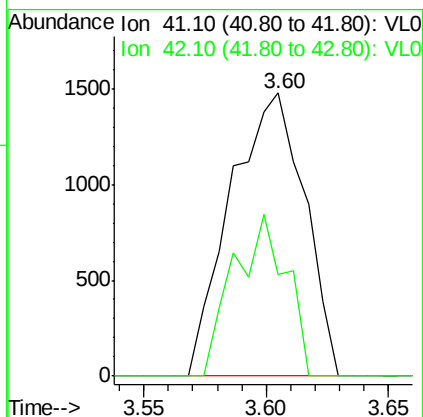
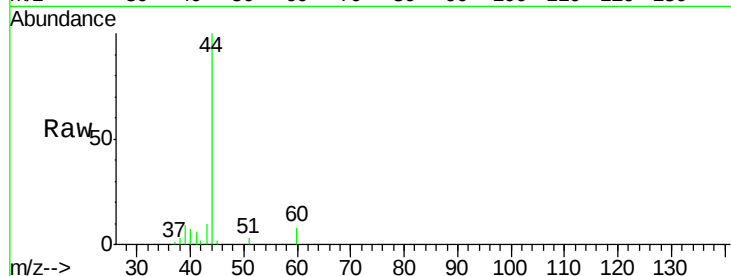
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 3101

Ion Ratio Lower Upper

41 100

42 40.7 53.6 80.4#



#10

Heptane

Concen: 0.03 ppbv

RT: 9.34 min Scan# 1026

Delta R.T. -0.02 min

Lab File: VL026200.D

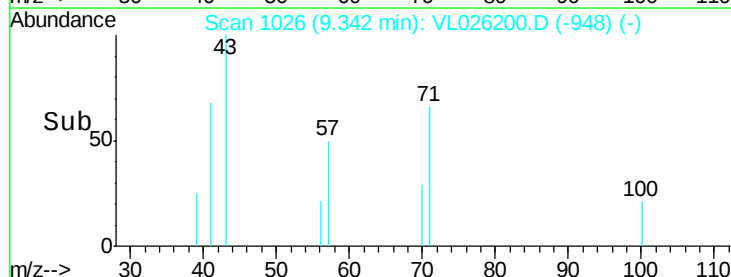
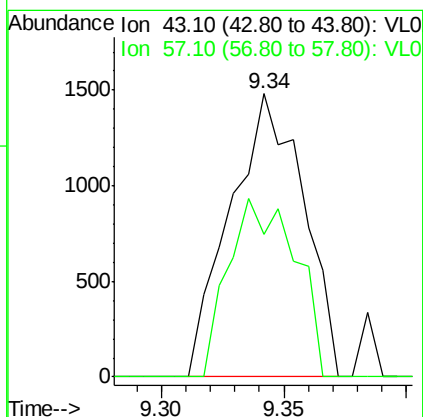
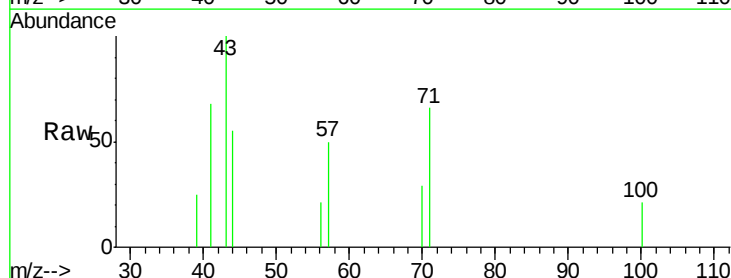
Acq: 10 Oct 2015 6:54

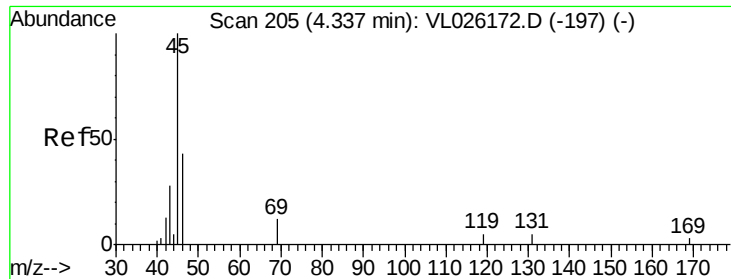
Tgt Ion: 43 Resp: 3077

Ion Ratio Lower Upper

43 100

57 57.7 41.8 62.8





#13

Ethanol

Concen: 0.28 ppbv

RT: 4.36 min Scan# 209

Delta R.T. 0.02 min

Lab File: VL026200.D

Acq: 10 Oct 2015 6:54

Instrument :

MSVOA_L

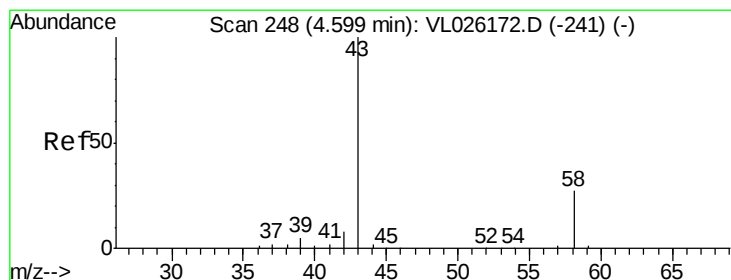
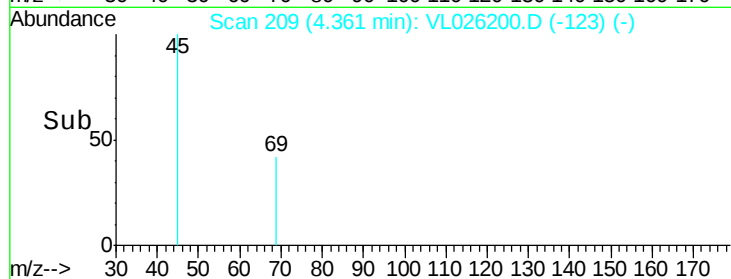
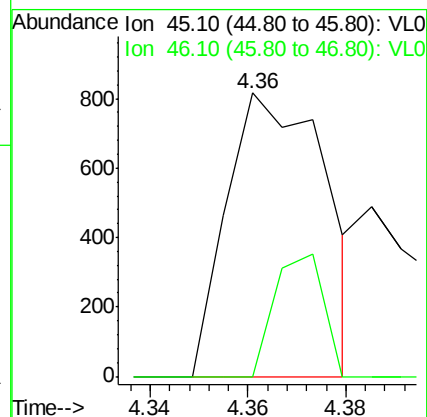
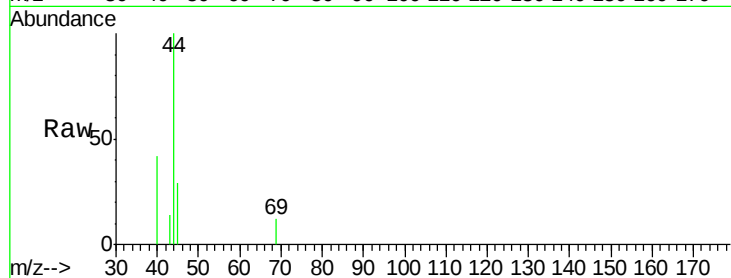
ClientSampleId :

Tot Ion: 45 Resp: 1149

Ion Ratio Lower Upper

45 100

46 0.0 18.1 72.5#



#15

Acetone

Concen: 0.69 ppbv

RT: 4.62 min Scan# 252

Delta R.T. 0.02 min

Lab File: VL026200.D

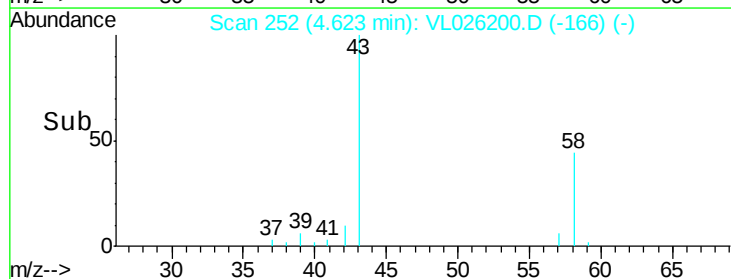
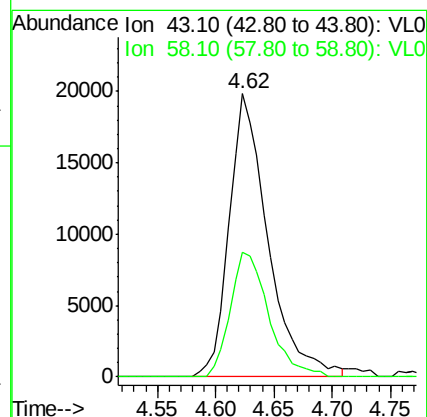
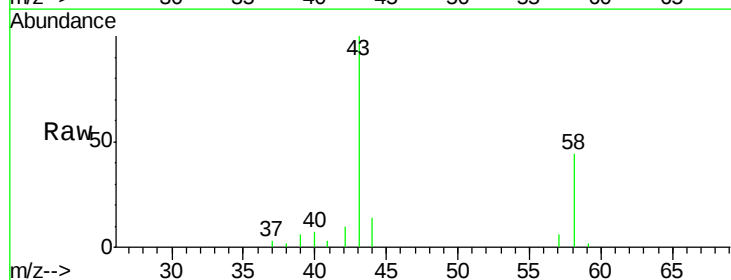
Acq: 10 Oct 2015 6:54

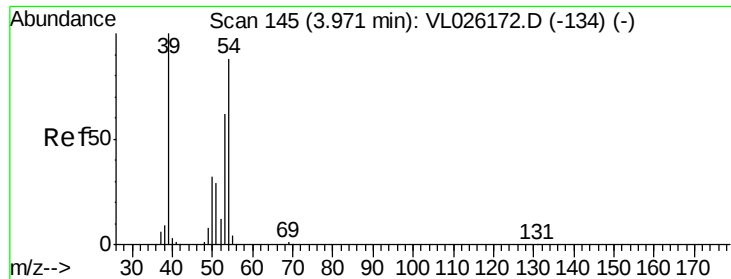
Tgt Ion: 43 Resp: 45969

Ion Ratio Lower Upper

43 100

58 43.5 22.0 33.0#





#16

1,3-Butadiene

Concen: 0.07 ppbv

RT: 3.93 min Scan# 139

Delta R.T. -0.04 min

Lab File: VL026200.D

Acq: 10 Oct 2015 6:54

Instrument :

MSVOA_L

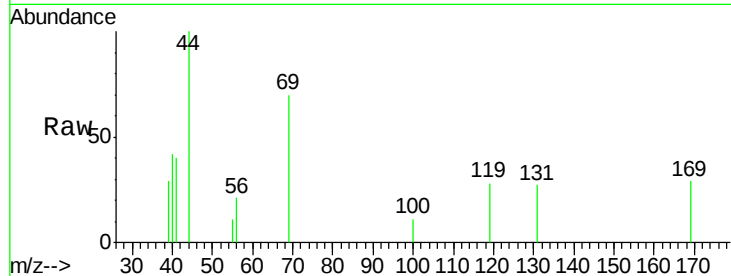
ClientSampleId :

Tot Ion: 39 Resp: 2000

Ion Ratio Lower Upper

39 100

54 0.0 67.9 101.9#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.93

1200

1000

800

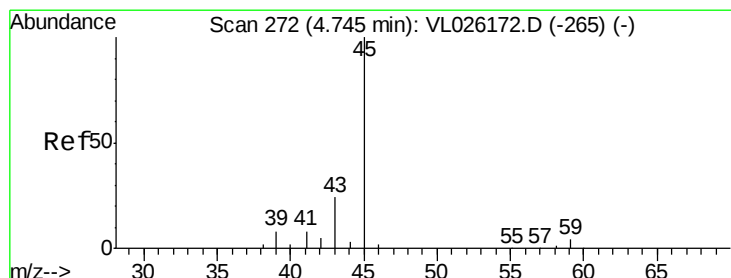
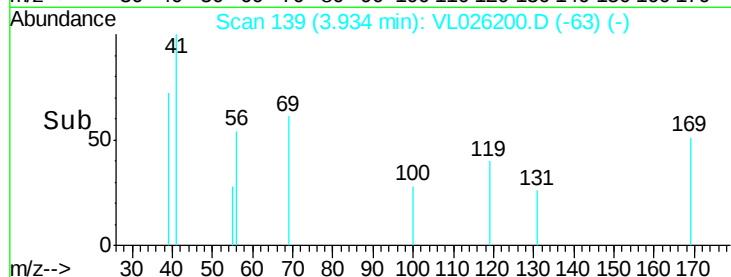
600

400

200

0

Time-->



#19

Isopropyl Alcohol

Concen: 0.04 ppbv

RT: 4.82 min Scan# 284

Delta R.T. 0.07 min

Lab File: VL026200.D

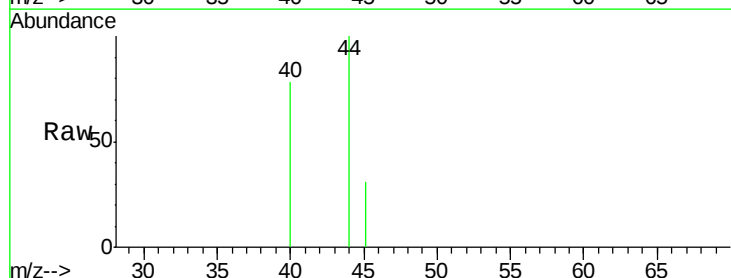
Acq: 10 Oct 2015 6:54

Tgt Ion: 45 Resp: 1092

Ion Ratio Lower Upper

45 100

58 1833.2 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.82

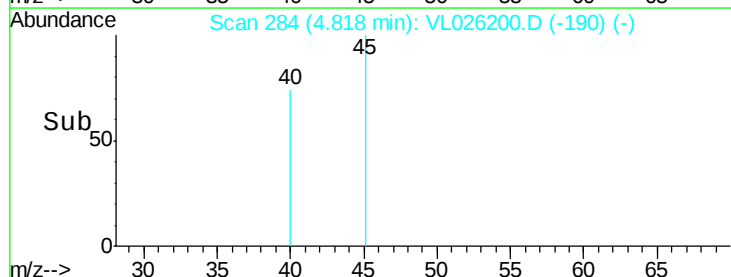
600

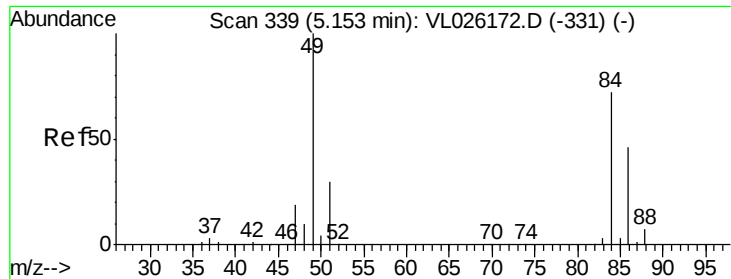
400

200

0

Time-->

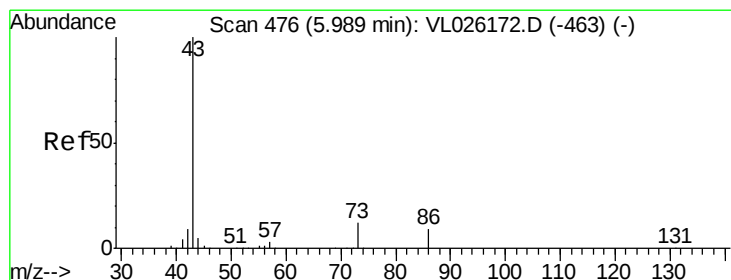
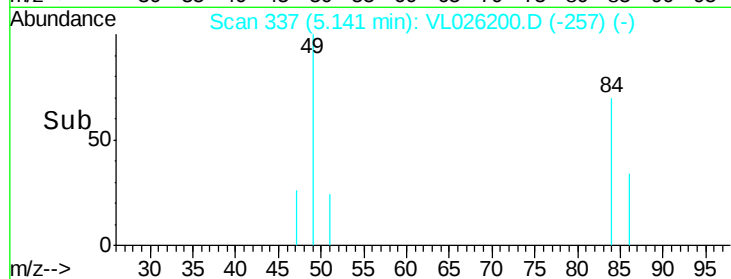
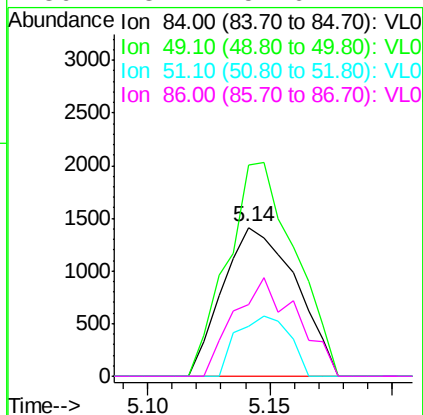
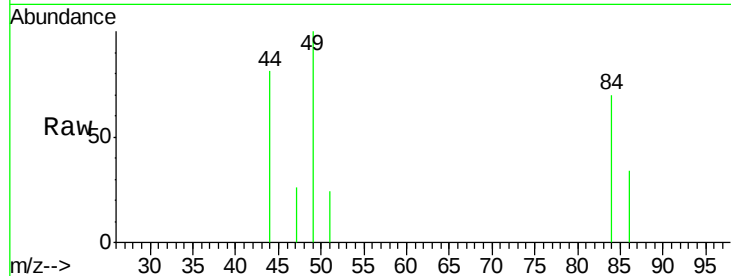




#20
Methvlene Chloride
Concen: 0.10 ppbv
RT: 5.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VL026200.D
Acq: 10 Oct 2015 6:54

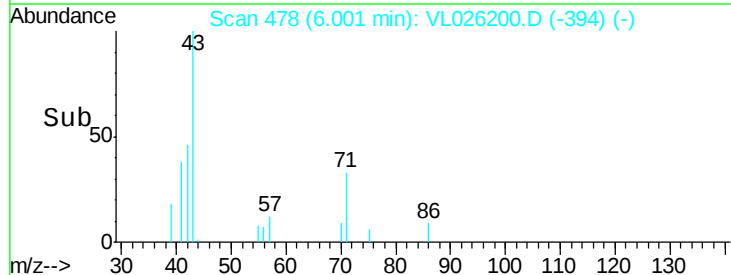
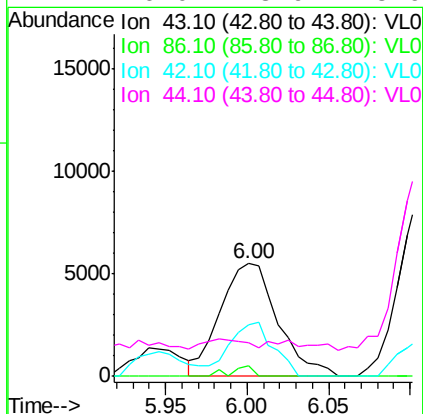
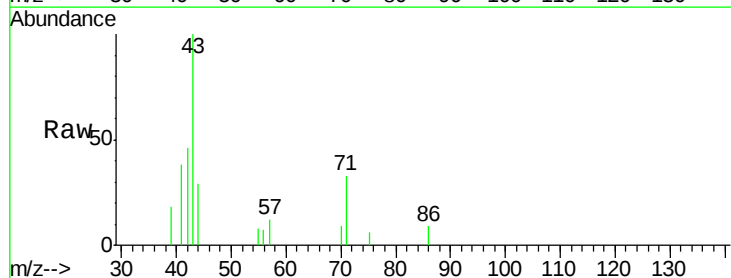
Instrument :
MSVOA_L
ClientSampleId :

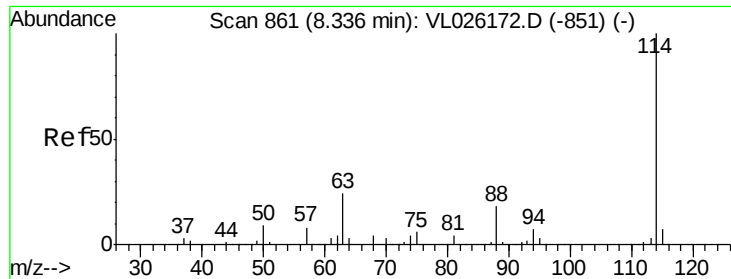
Tot Ion: 84 Resp: 2947
Ion Ratio Lower Upper
84 100
49 142.2 111.3 166.9
51 33.7 33.0 49.6
86 48.4 51.6 77.4#



#23
Vinyl Acetate
Concen: 0.11 ppbv
RT: 6.00 min Scan# 478
Delta R.T. 0.01 min
Lab File: VL026200.D
Acq: 10 Oct 2015 6:54

Tgt Ion: 43 Resp: 13476
Ion Ratio Lower Upper
43 100
86 8.9 7.2 10.8
42 45.7 7.4 11.2#
44 6.0 3.9 5.9#

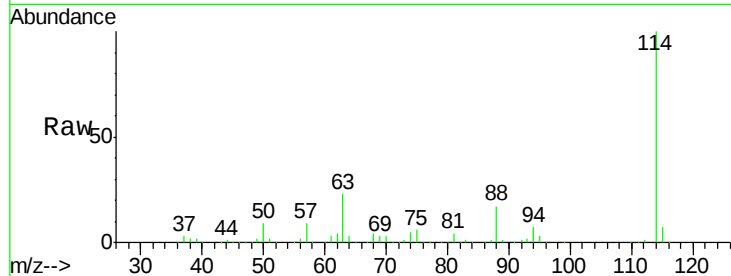




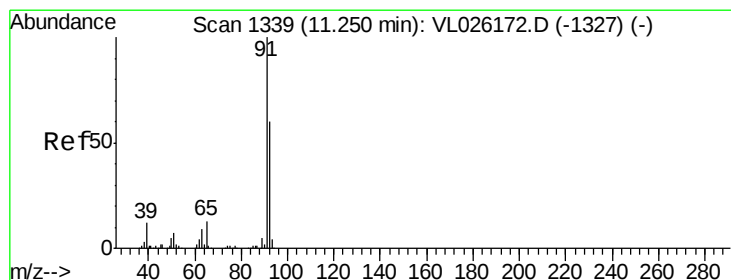
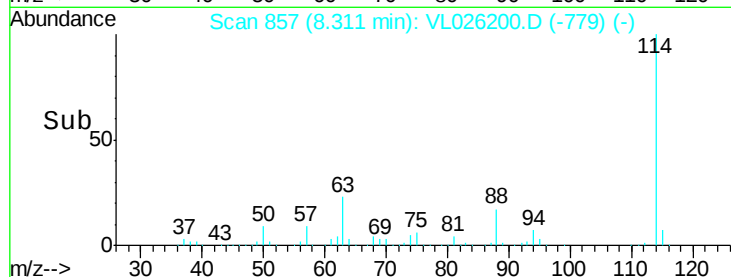
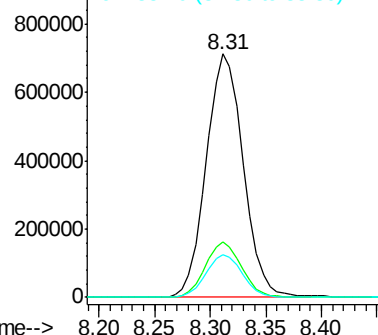
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 857
 Delta R.T. -0.02 min
 Lab File: VL026200.D
 Acq: 10 Oct 2015 6:54

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 1648875
 Ion Ratio Lower Upper
 114 100
 63 22.3 19.0 28.6
 88 17.4 13.8 20.8

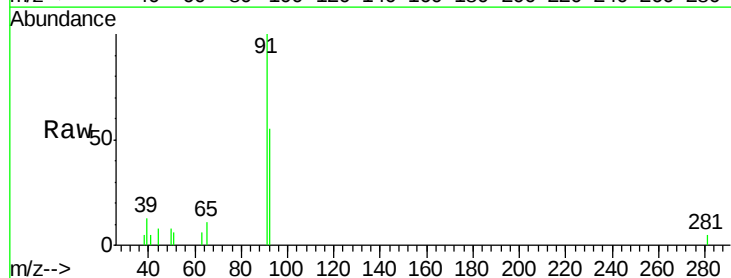


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

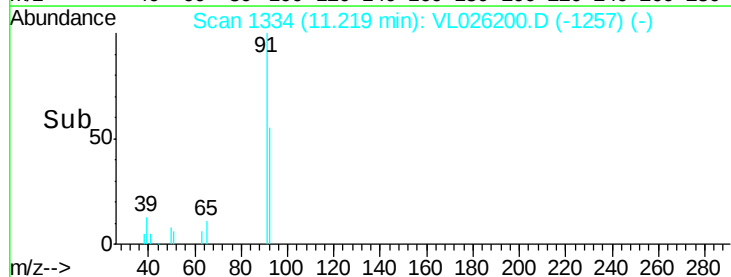
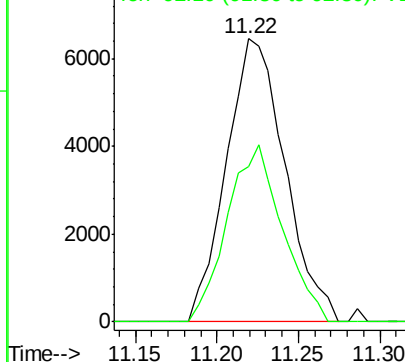


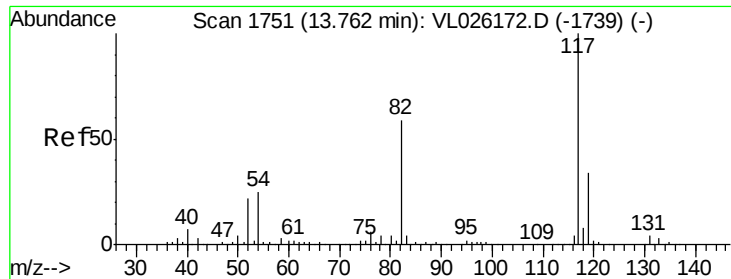
#53
 Toluene
 Concen: 0.08 ppbv
 RT: 11.22 min Scan# 1334
 Delta R.T. -0.03 min
 Lab File: VL026200.D
 Acq: 10 Oct 2015 6:54

Tgt Ion: 91 Resp: 16149
 Ion Ratio Lower Upper
 91 100
 92 59.0 48.5 72.7



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

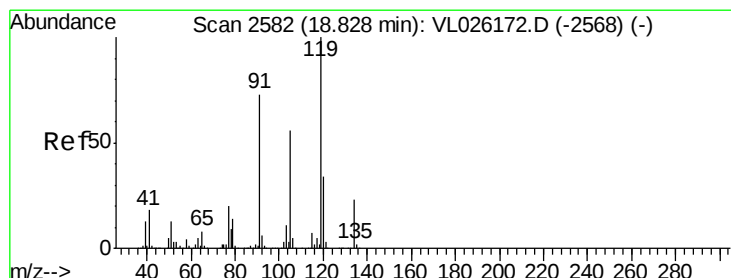
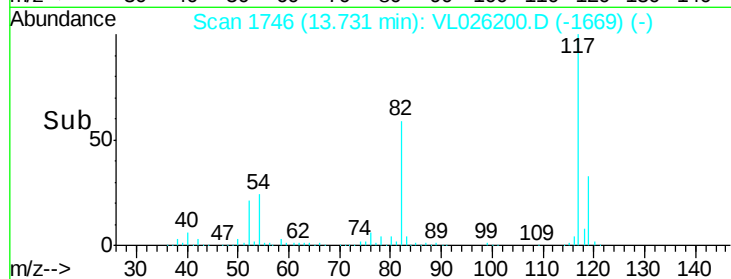
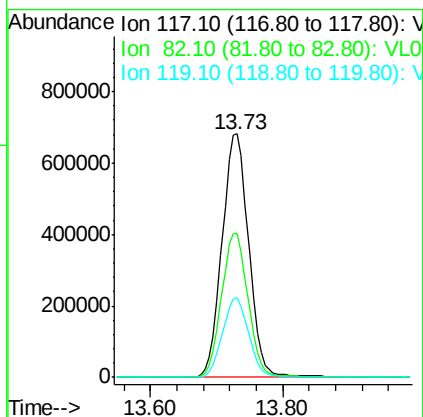
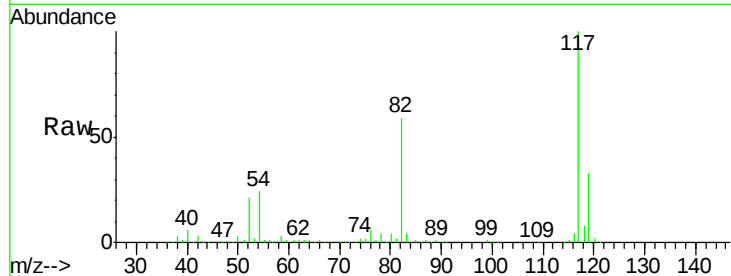




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.73 min Scan# 1746
Delta R.T. -0.03 min
Lab File: VL026200.D
Acq: 10 Oct 2015 6:54

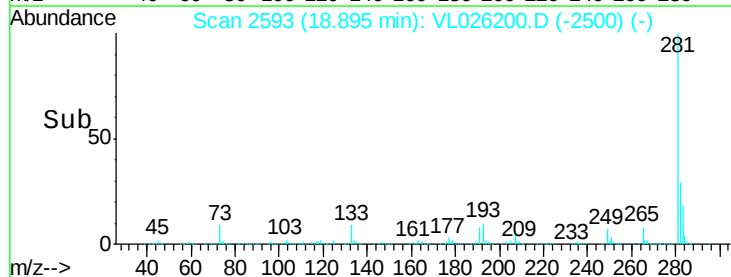
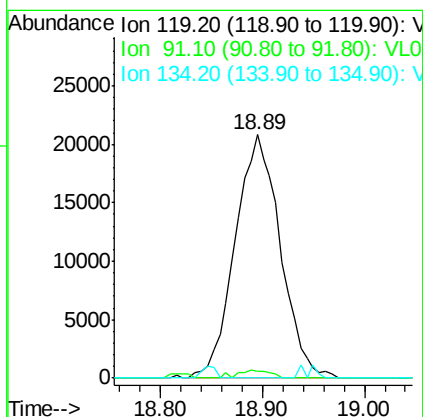
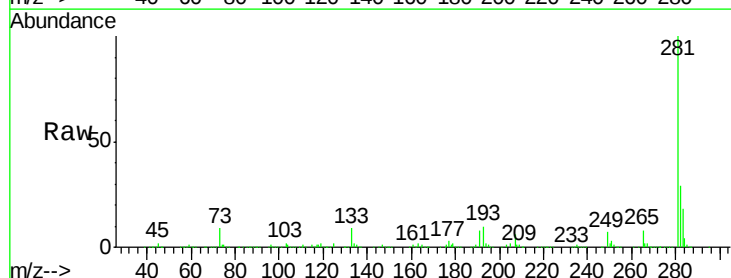
Instrument :
MSVOA_L
ClientSampleId :

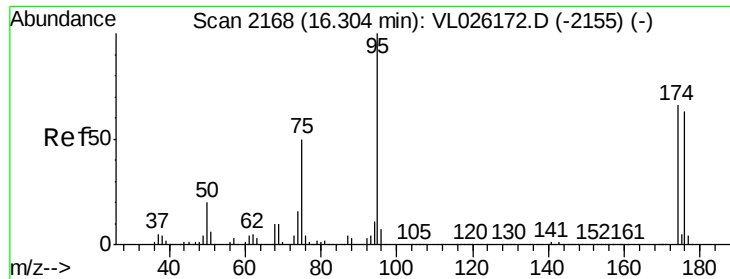
Tot Ion:117 Resp: 1905225
Ion Ratio Lower Upper
117 100
82 0.0 47.7 71.5#
119 32.5 43.7 65.5#



#65
tert-Butylbenzene
Concen: 0.24 ppbv
RT: 18.89 min Scan# 2593
Delta R.T. 0.07 min
Lab File: VL026200.D
Acq: 10 Oct 2015 6:54

Tgt Ion:119 Resp: 63878
Ion Ratio Lower Upper
119 100
91 2.4 58.5 87.7#
134 0.0 18.0 27.0#

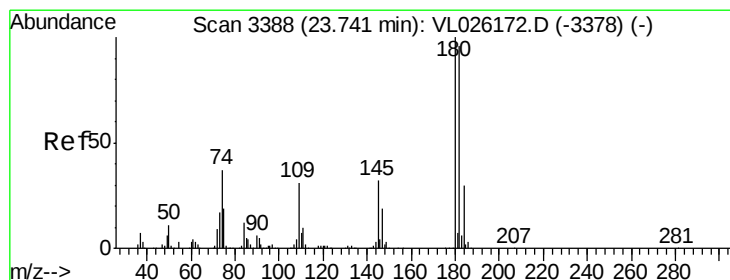
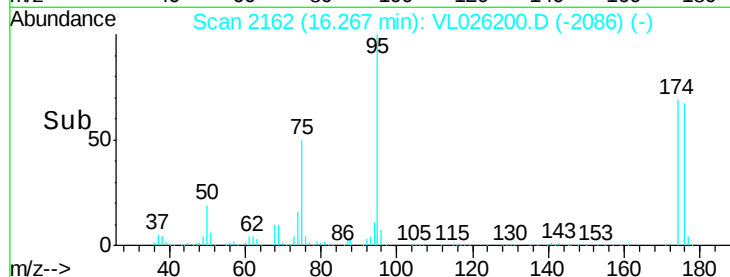
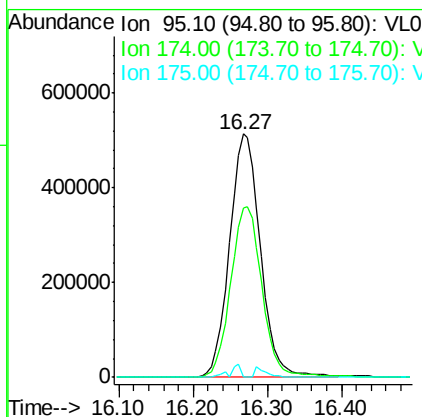
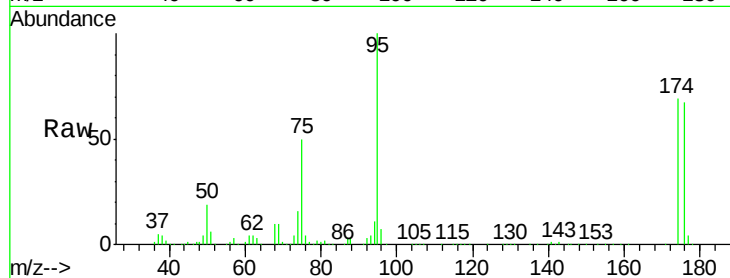




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.22 ppbv
 RT: 16.27 min Scan# 2162
 Delta R.T. -0.04 min
 Lab File: VL026200.D
 Acq: 10 Oct 2015 6:54

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 1495362
 Ion Ratio Lower Upper
 95 100
 174 71.7 52.2 78.4
 175 3.3 3.9 5.9#



#81
 1,2,4-Trichlorobenzene
 Concen: 0.03 ppbv
 RT: 23.21 min Scan# 3301
 Delta R.T. -0.53 min
 Lab File: VL026200.D
 Acq: 10 Oct 2015 6:54

Tgt Ion: 180 Resp: 2589
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.4 114.6#
 184 0.0 24.0 36.0#

