

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL011216\
 Data File : VL026680.D
 Acq On : 12 Jan 2016 18:36
 Operator : SY/AP
 Sample : H1075-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 13 03:03:08 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 11 17:14:02 2016
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	760818	10.00	ppbv	0.05
33) 1,4-Difluorobenzene	8.36	114	2390166	10.00	ppbv	0.05
55) Chlorobenzene-d5	13.78	117	3119951	10.00	ppbv	0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	2603303	10.47	ppbv	0.06
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

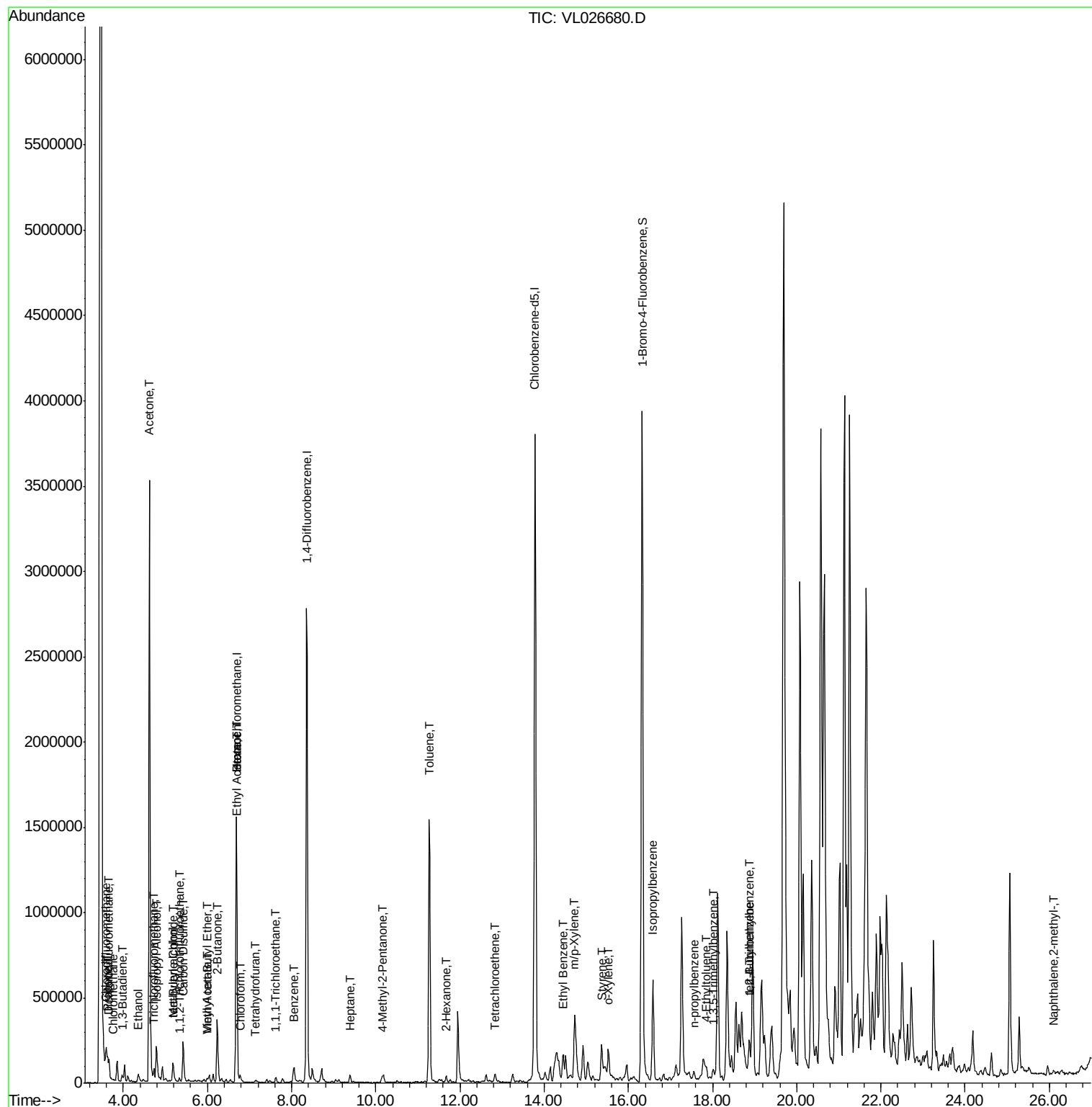
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	102554	0.51	ppbv	90
3) Chlorodifluoromethane	3.59	51	179463	1.77	ppbv	97
4) Chloromethane	3.77	50	3315	0.07	ppbv	89
9) Propene	3.62	41	32555	0.89	ppbv	86
10) Heptane	9.39	43	18582	0.14	ppbv	98
11) Trichlorofluoromethane	4.73	101	46965	0.22	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	5.34	101	9168	0.07	ppbv	92
13) Ethanol	4.35	45	61771	8.93	ppbv	100
15) Acetone	4.62	43	4823156	38.54	ppbv	96
16) 1,3-Butadiene	3.98	39	19357	0.39	ppbv #	37
17) tert-Butyl alcohol	5.18	59	41190	0.44	ppbv	97
19) Isopropyl Alcohol	4.79	45	276621	5.36	ppbv #	96
20) Methylene Chloride	5.18	84	33122	0.64	ppbv #	81
23) Vinyl Acetate	6.01	43	7894	0.04	ppbv #	77
25) Ethyl Acetate	6.70	43	23135	0.12	ppbv #	84
26) Hexane	6.69	57	24495	0.25	ppbv #	72
27) Carbon Disulfide	5.42	76	343729	2.31	ppbv #	89
28) Methyl tert-Butyl Ether	5.99	73	5961	0.03	ppbv #	1
29) Chloroform	6.78	83	21296	0.12	ppbv	84
32) 1,1,1-Trichloroethane	7.63	97	19172	0.09	ppbv	97
34) 2-Butanone	6.23	43	508671	3.99	ppbv	99
36) Benzene	8.06	78	56637	0.23	ppbv	95
41) Tetrahydrofuran	7.15	42	2254	0.04	ppbv #	42
50) 4-Methyl-2-Pentanone	10.15	43	20853	0.12	ppbv	99
51) 2-Hexanone	11.67	43	35025	0.21	ppbv #	87
52) Tetrachloroethene	12.83	164	12977	0.11	ppbv #	65
53) Toluene	11.27	91	1538196	4.44	ppbv	99
58) Ethyl Benzene	14.45	91	172461	0.31	ppbv	97
59) m/p-Xylene	14.72	91	486836	1.06	ppbv	99
60) o-Xylene	15.52	91	149944	0.30	ppbv	98
61) Styrene	15.36	104	31923	0.16	ppbv	98
62) Isopropylbenzene	16.58	105	588011	0.89	ppbv	100
64) n-propylbenzene	17.57	120	9449	0.05	ppbv	74
65) tert-Butylbenzene	18.88	119	18872	0.03	ppbv #	34
72) 4-Ethyltoluene	17.86	105	57795	0.10	ppbv #	94
73) 1,3,5-Trimethylbenzene	18.03	105	36925	0.07	ppbv	94
74) 1,2,4-Trimethylbenzene	18.88	105	155433	0.28	ppbv #	77
80) Naphthalene,2-methyl-	26.09	142	2859	0.05	ppbv #	1

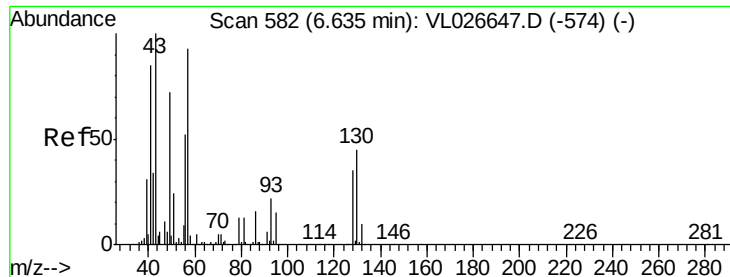
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 11 17:14:02 2016
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration

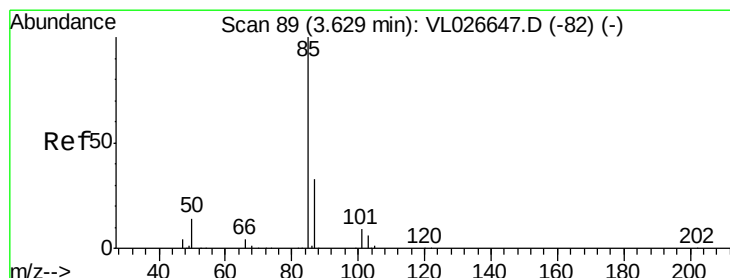
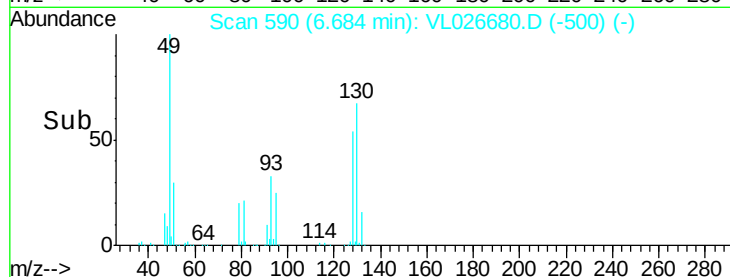
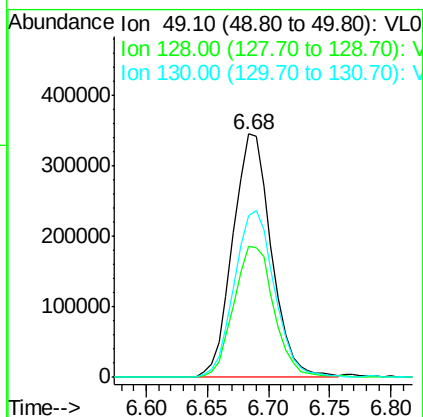
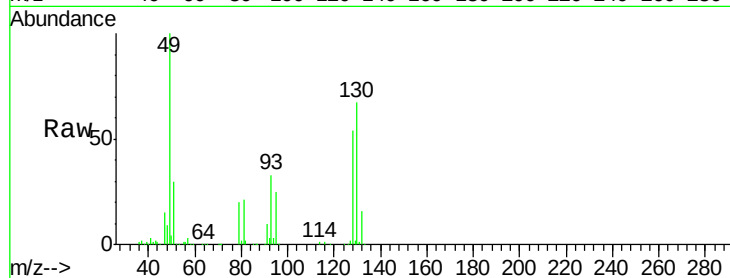




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.05 min
Lab File: VL026680.D
Acq: 12 Jan 2016 18:36

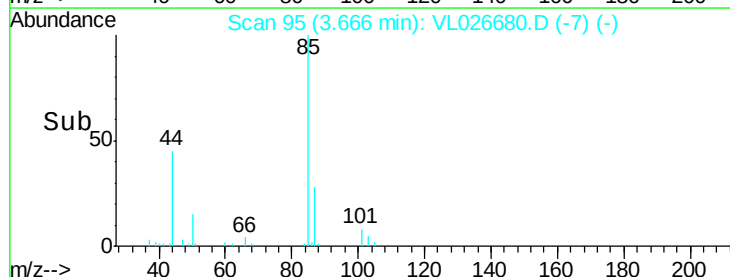
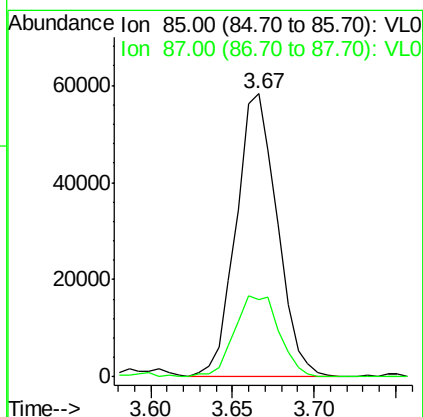
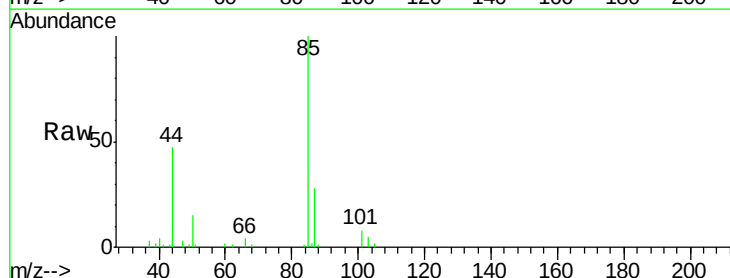
Instrument :
MSVOA_L
ClientSampled :

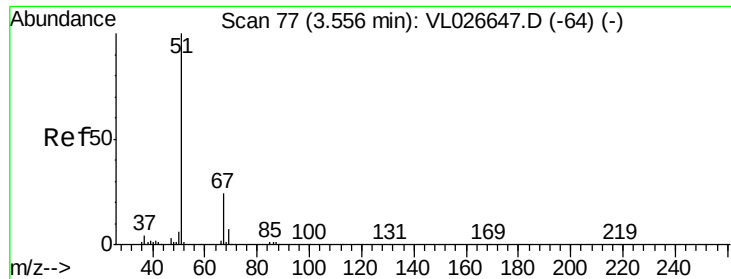
Tot Ion: 49 Resp: 760818
Ion Ratio Lower Upper
49 100
128 56.7 25.9 77.7
130 72.2 33.6 100.8



#2
Dichlorodifluoromethane
Concen: 0.51 ppbv
RT: 3.67 min Scan# 95
Delta R.T. 0.04 min
Lab File: VL026680.D
Acq: 12 Jan 2016 18:36

Tgt Ion: 85 Resp: 102554
Ion Ratio Lower Upper
85 100
87 27.5 26.4 39.6





#3

Chlorodifluoromethane

Concen: 1.77 ppbv

RT: 3.59 min Scan# 83

Delta R.T. 0.04 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Instrument :

MSVOA_L

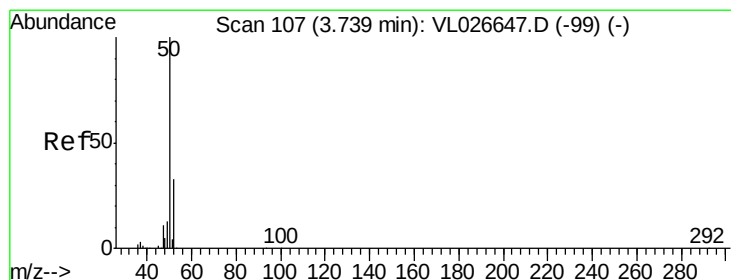
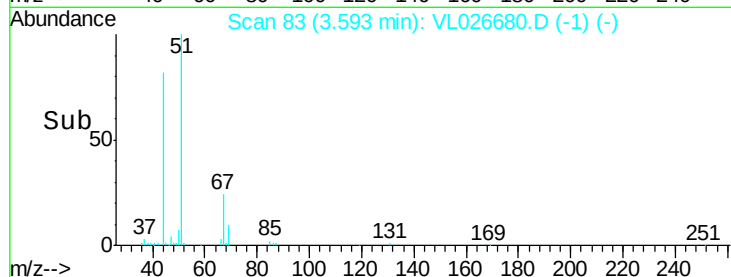
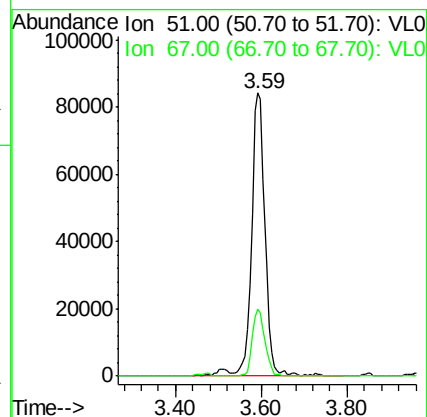
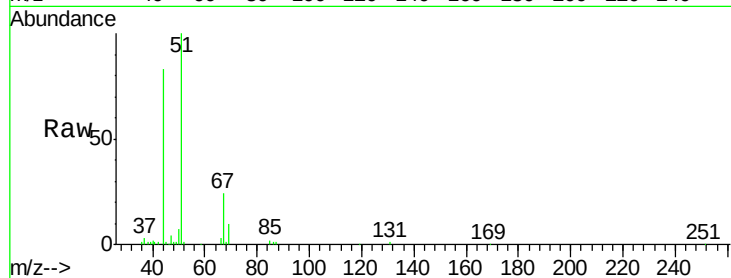
ClientSampleId :

Tot Ion: 51 Resp: 179463

Ion Ratio Lower Upper

51 100

67 21.9 18.6 28.0



#4

Chloromethane

Concen: 0.07 ppbv

RT: 3.77 min Scan# 112

Delta R.T. 0.03 min

Lab File: VL026680.D

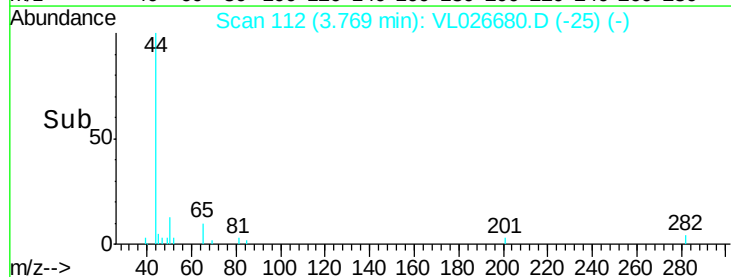
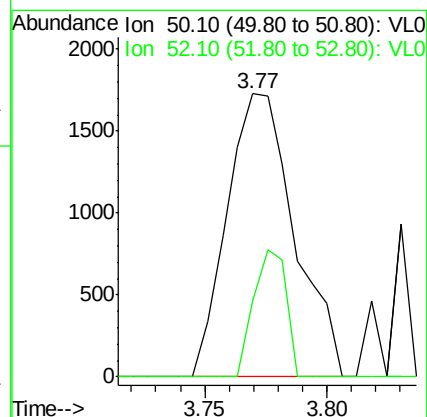
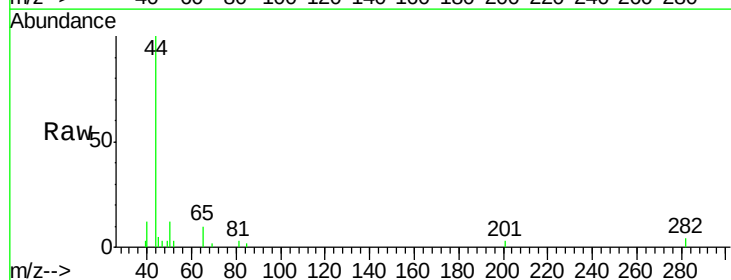
Acq: 12 Jan 2016 18:36

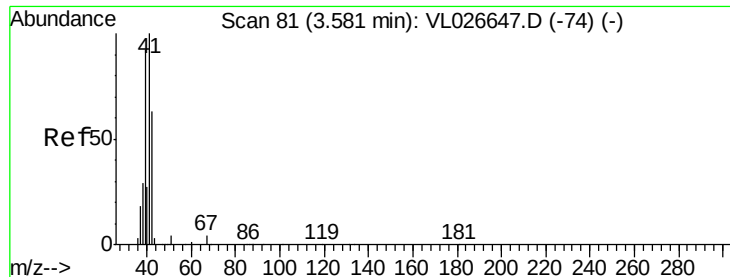
Tgt Ion: 50 Resp: 3315

Ion Ratio Lower Upper

50 100

52 27.0 26.7 40.1





#9

Propene

Concen: 0.89 ppbv

RT: 3.62 min Scan# 88

Delta R.T. 0.04 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Instrument :

MSVOA_L

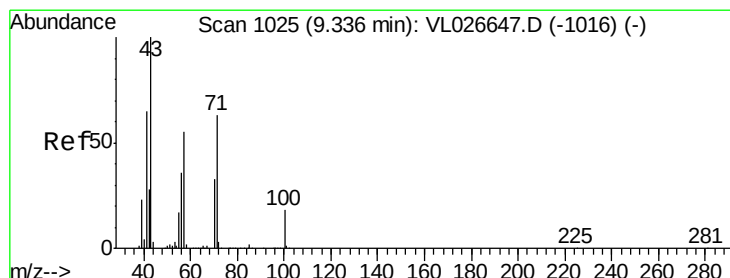
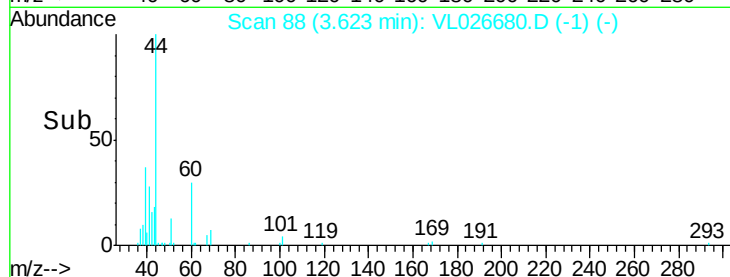
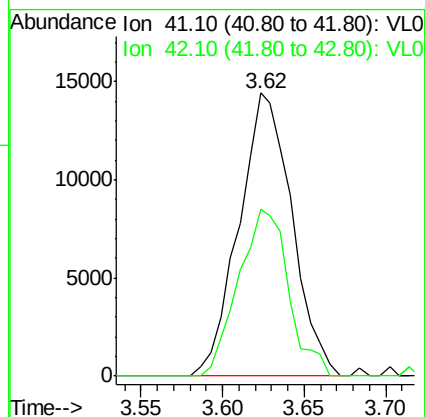
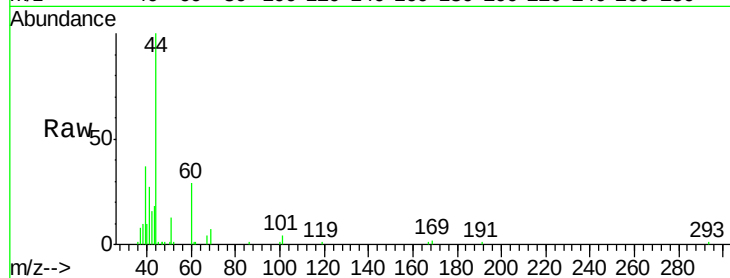
ClientSampleId :

Tot Ion: 41 Resp: 32555

Ion Ratio Lower Upper

41 100

42 55.6 53.6 80.4



#10

Heptane

Concen: 0.14 ppbv

RT: 9.39 min Scan# 1034

Delta R.T. 0.05 min

Lab File: VL026680.D

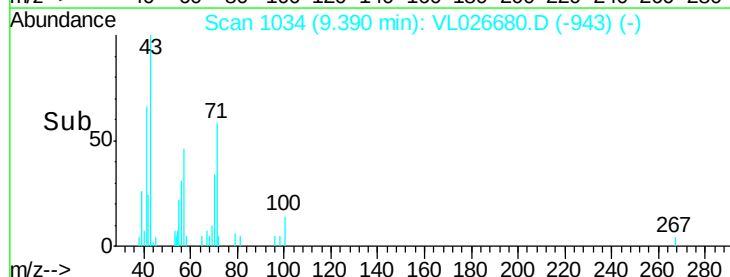
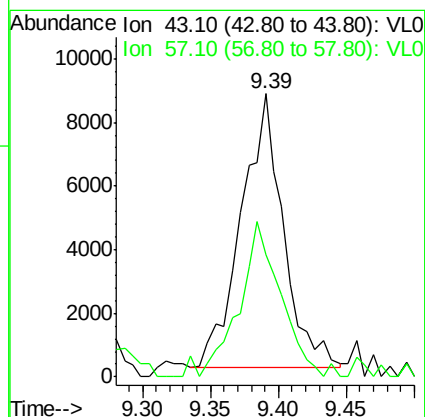
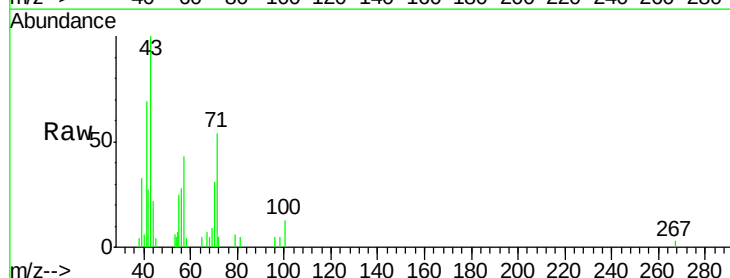
Acq: 12 Jan 2016 18:36

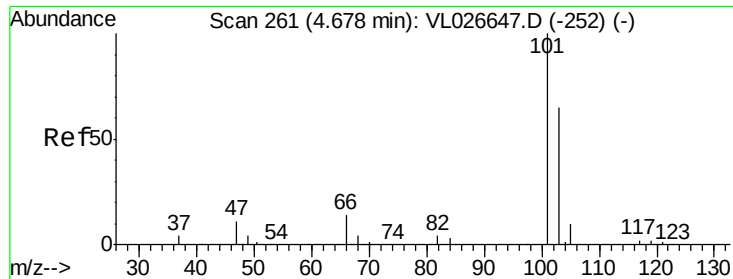
Tgt Ion: 43 Resp: 18582

Ion Ratio Lower Upper

43 100

57 55.8 45.8 68.6





#11

Trichlorofluoromethane

Concen: 0.22 ppbv

RT: 4.73 min Scan# 269

Delta R.T. 0.05 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

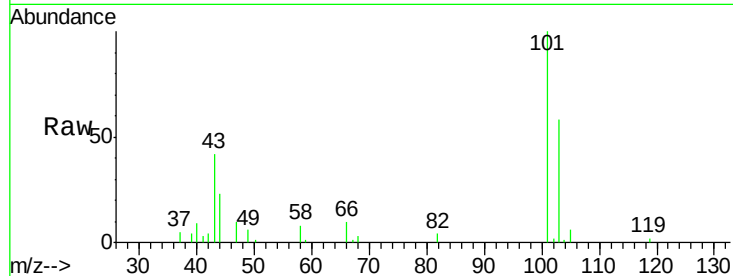
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:101 Resp: 46965

Ion Ratio Lower Upper

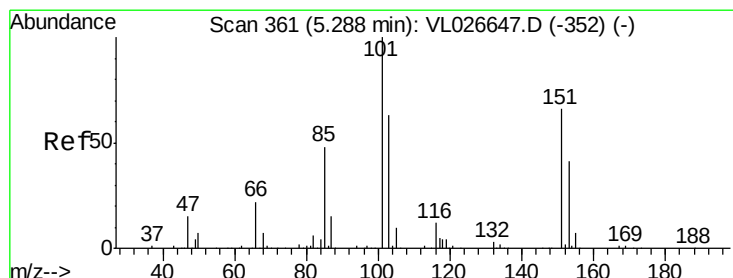
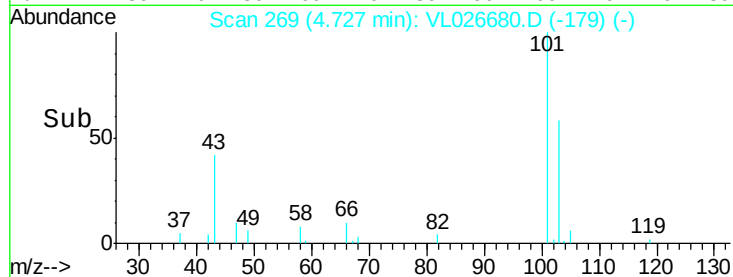
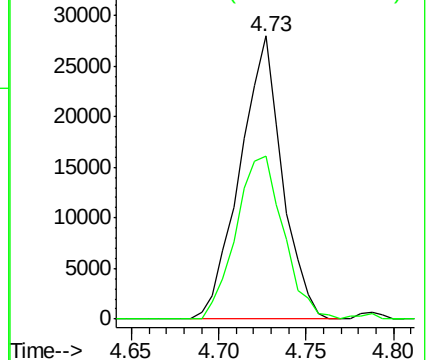
101 100

103 57.7 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.07 ppbv

RT: 5.34 min Scan# 369

Delta R.T. 0.05 min

Lab File: VL026680.D

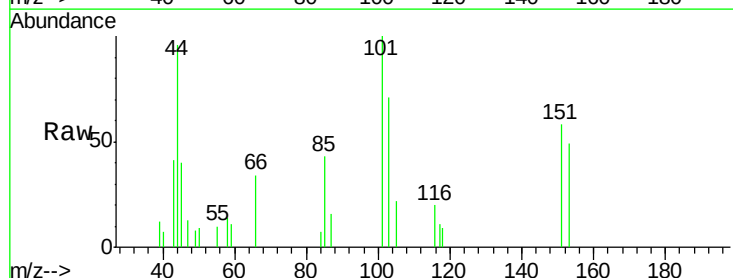
Acq: 12 Jan 2016 18:36

Tgt Ion:101 Resp: 9168

Ion Ratio Lower Upper

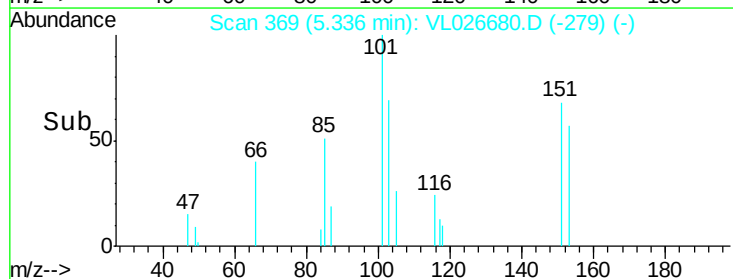
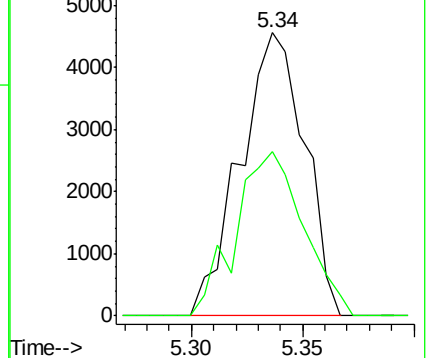
101 100

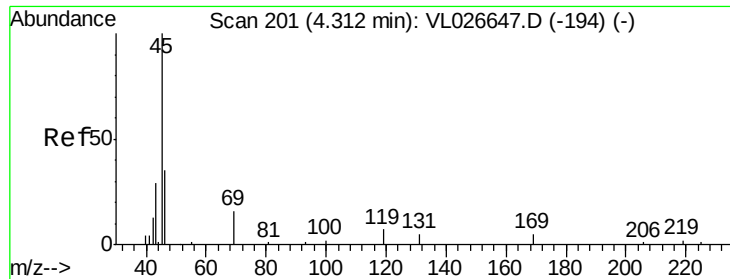
151 61.1 54.2 81.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.93 ppbv

RT: 4.35 min Scan# 208

Delta R.T. 0.04 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Instrument :

MSVOA_L

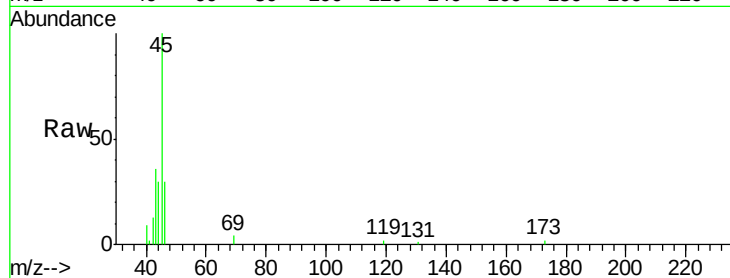
ClientSampleId :

Tot Ion: 45 Resp: 61771

Ion Ratio Lower Upper

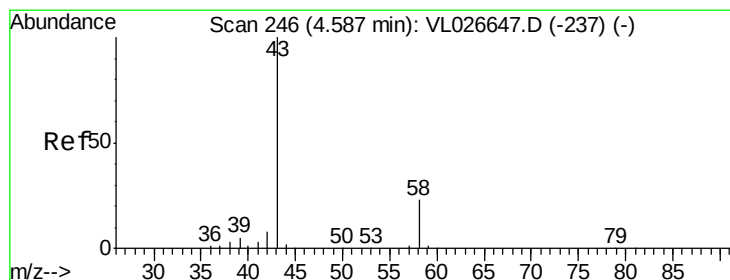
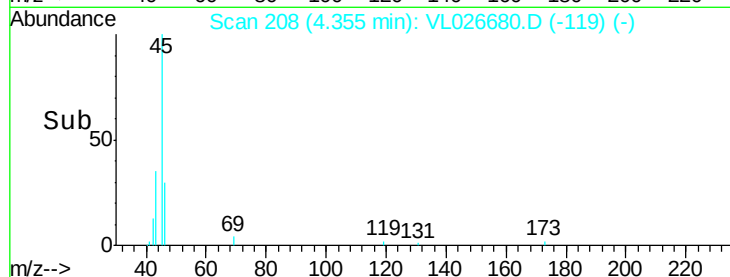
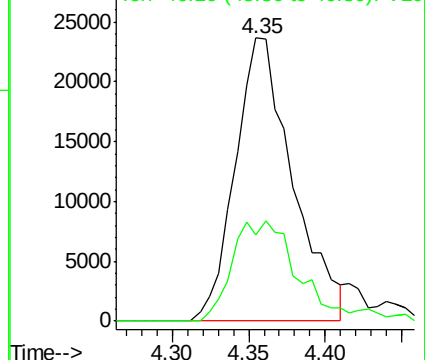
45 100

46 41.6 16.7 66.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 38.54 ppbv

RT: 4.62 min Scan# 251

Delta R.T. 0.03 min

Lab File: VL026680.D

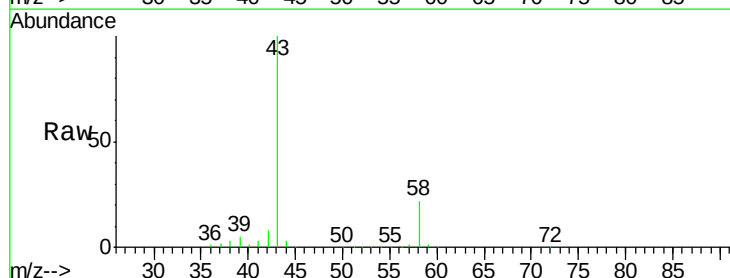
Acq: 12 Jan 2016 18:36

Tgt Ion: 43 Resp: 4823156

Ion Ratio Lower Upper

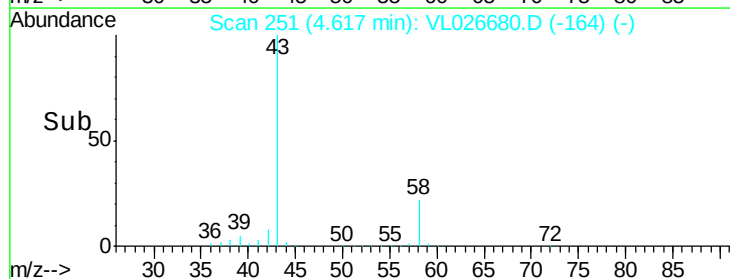
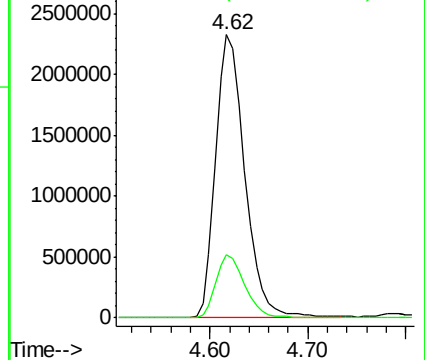
43 100

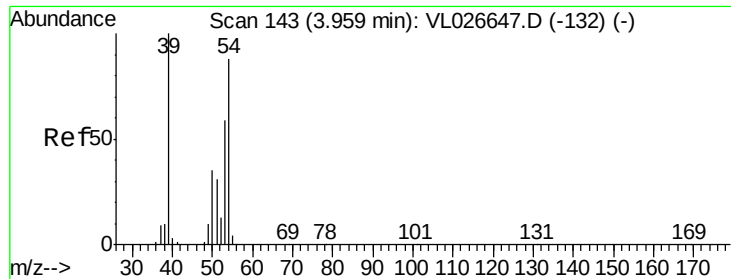
58 22.2 19.2 28.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

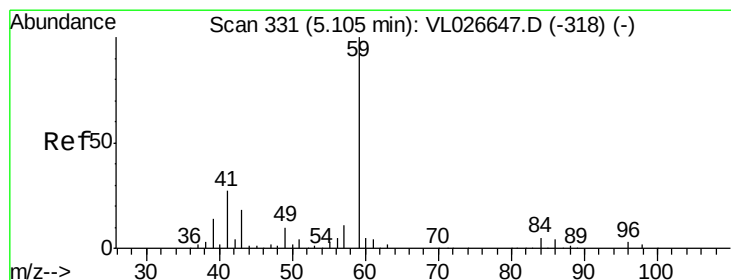
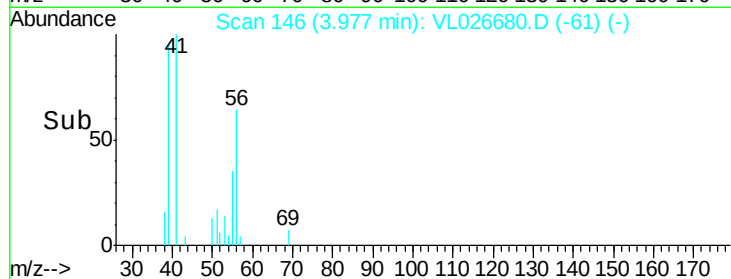
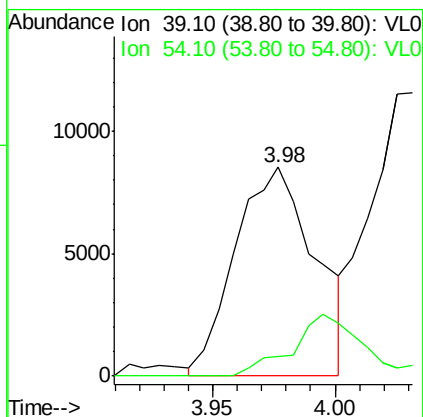
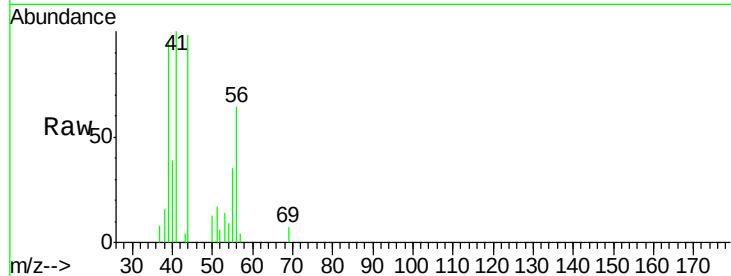




#16
 1,3-Butadiene
 Concen: 0.39 ppbv
 RT: 3.98 min Scan# 146
 Delta R.T. 0.02 min
 Lab File: VL026680.D
 Acq: 12 Jan 2016 18:36

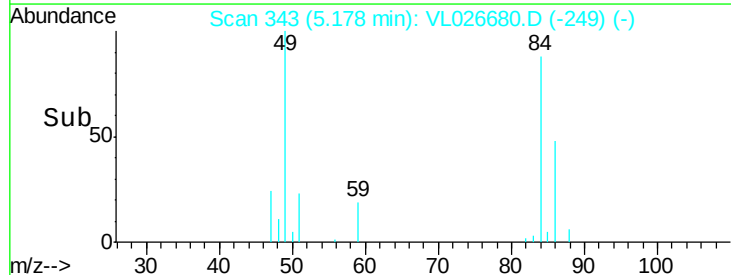
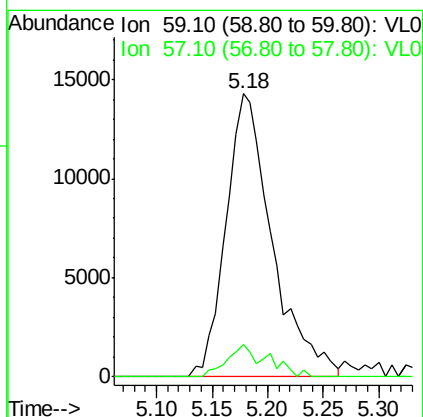
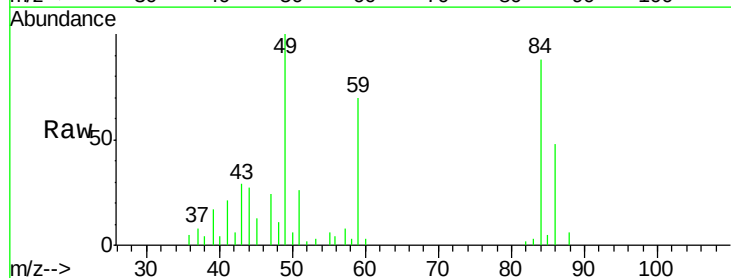
Instrument :
 MSVOA_L
 ClientSampleId :

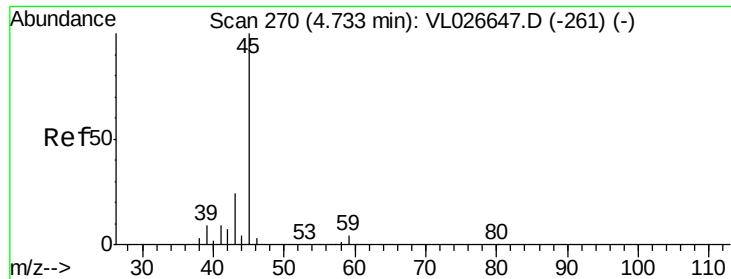
Tot Ion: 39 Resp: 19357
 Ion Ratio Lower Upper
 39 100
 54 26.5 66.6 100.0#



#17
 tert-Butyl alcohol
 Concen: 0.44 ppbv
 RT: 5.18 min Scan# 343
 Delta R.T. 0.07 min
 Lab File: VL026680.D
 Acq: 12 Jan 2016 18:36

Tgt Ion: 59 Resp: 41190
 Ion Ratio Lower Upper
 59 100
 57 10.1 9.0 13.6





#19

Isopropyl Alcohol

Concen: 5.36 ppbv

RT: 4.79 min Scan# 279

Delta R.T. 0.05 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Instrument :

MSVOA_L

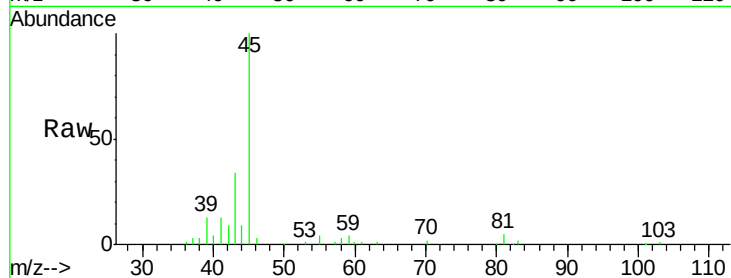
ClientSampleId :

Tot Ion: 45 Resp: 276621

Ion Ratio Lower Upper

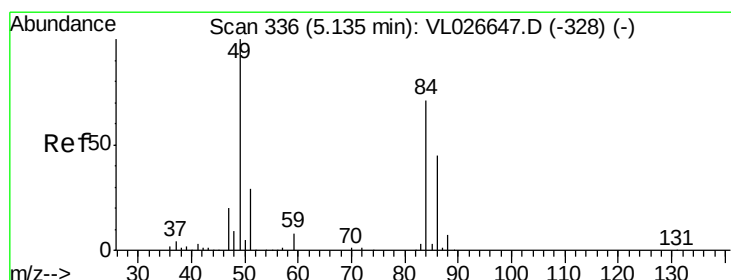
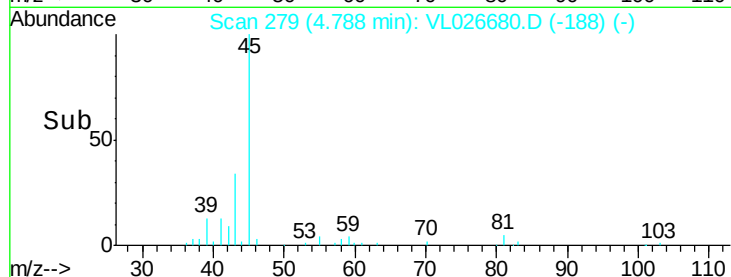
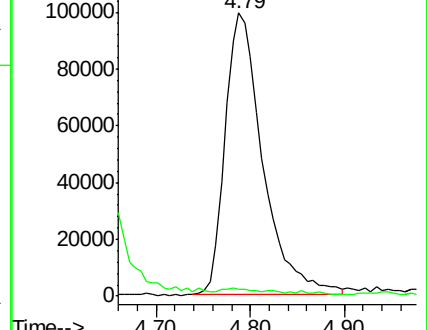
45 100

58 0.0 1.3 1.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.64 ppbv

RT: 5.18 min Scan# 343

Delta R.T. 0.04 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Tgt Ion: 84 Resp: 33122

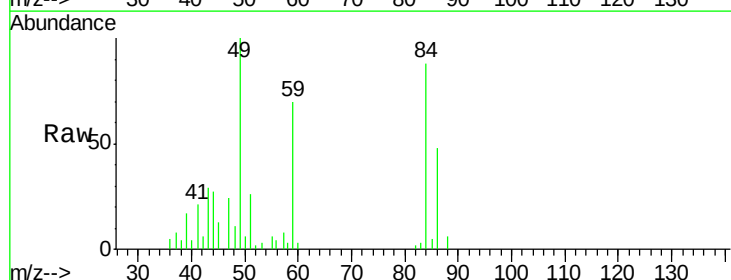
Ion Ratio Lower Upper

84 100

49 113.2 112.3 168.5

51 27.1 32.5 48.7#

86 54.2 50.3 75.5

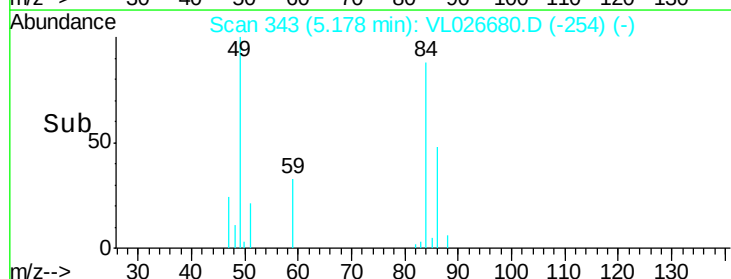
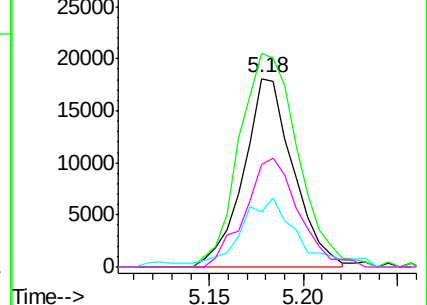


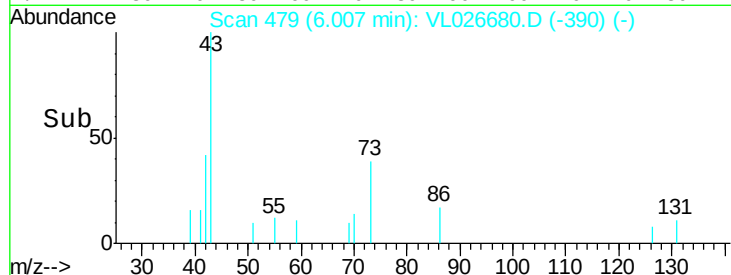
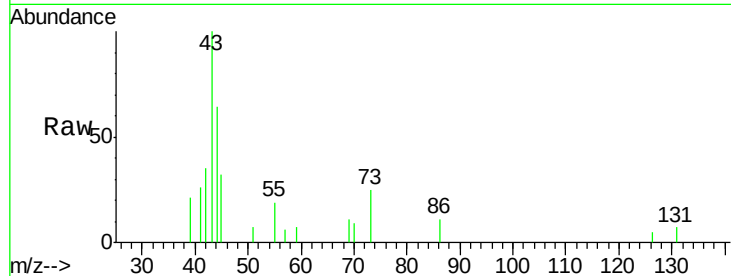
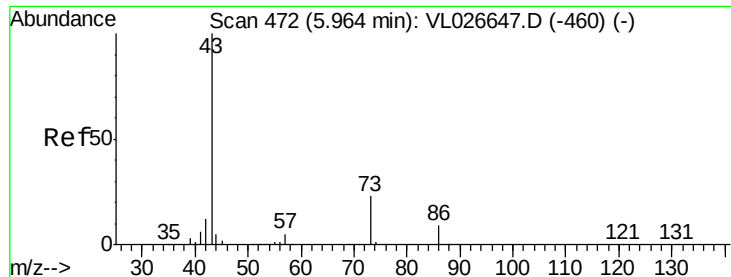
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.04 ppbv

RT: 6.01 min Scan# 479

Delta R.T. 0.04 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 7894

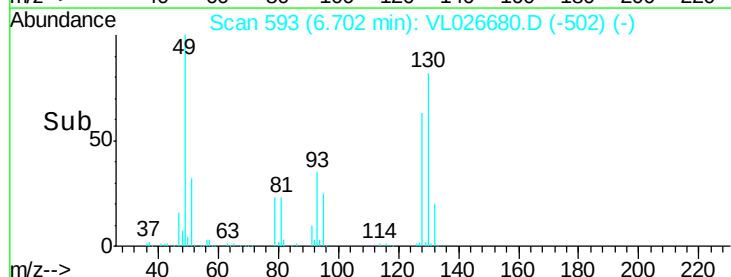
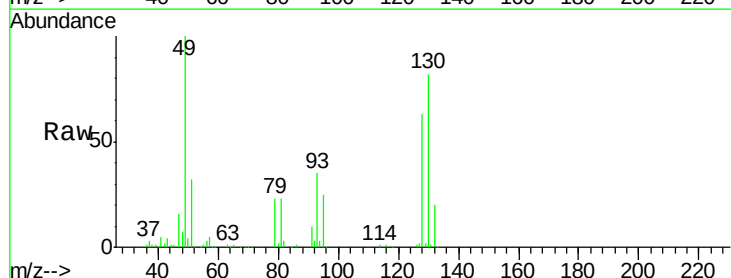
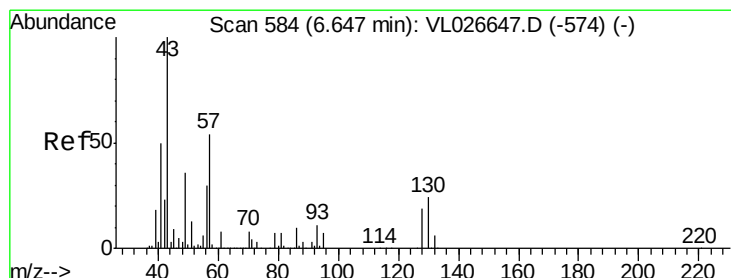
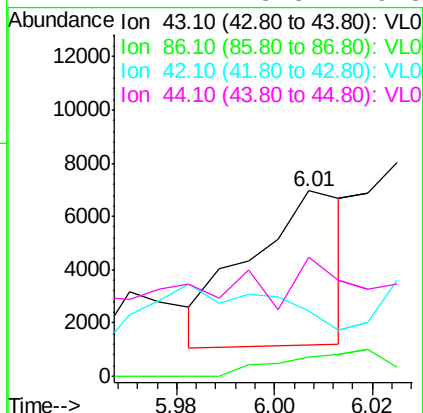
Ion Ratio Lower Upper

43 100

86 17.0 7.4 11.0#

42 16.1 9.2 13.8#

44 22.4 3.8 5.8#



#25

Ethyl Acetate

Concen: 0.12 ppbv

RT: 6.70 min Scan# 593

Delta R.T. 0.05 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Tgt Ion: 43 Resp: 23135

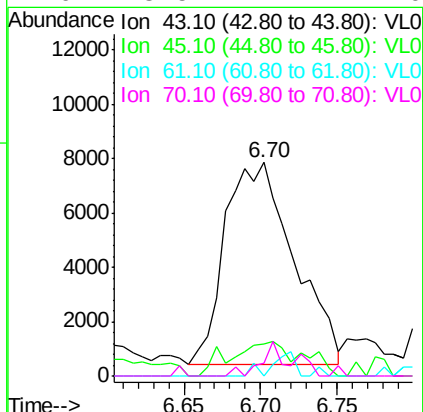
Ion Ratio Lower Upper

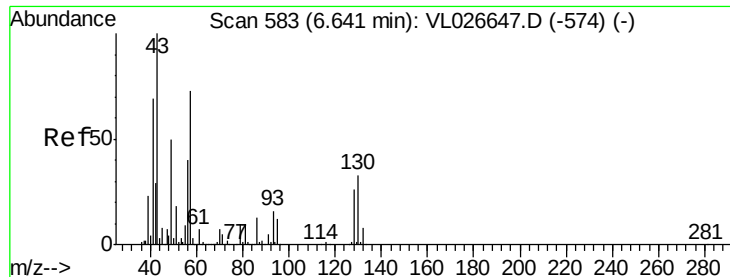
43 100

45 21.0 7.5 11.3#

61 4.4 7.3 10.9#

70 8.5 7.4 11.0

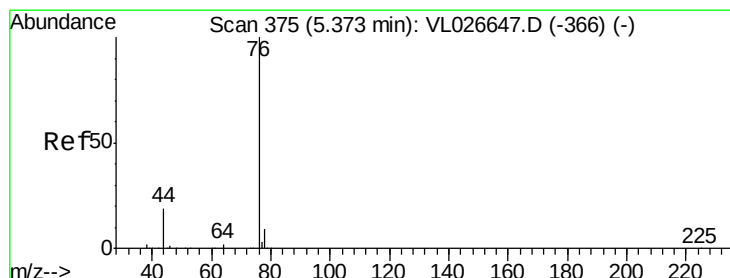
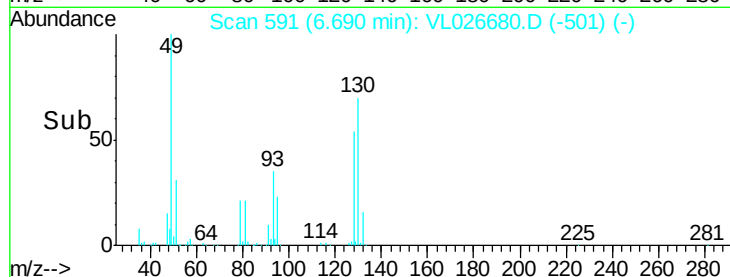
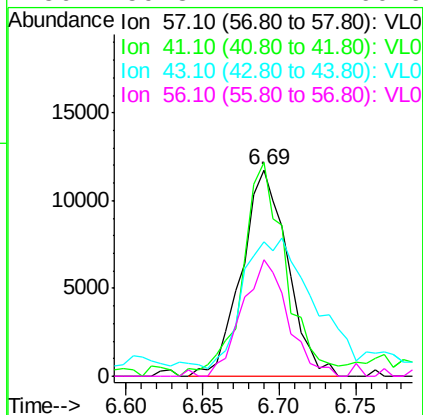
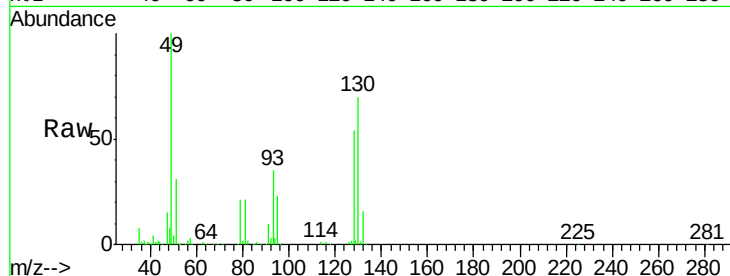




#26
Hexane
Concen: 0.25 ppbv
RT: 6.69 min Scan# 591
Delta R.T. 0.05 min
Lab File: VL026680.D
Acq: 12 Jan 2016 18:36

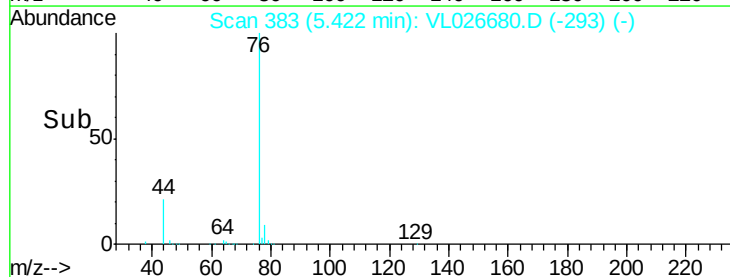
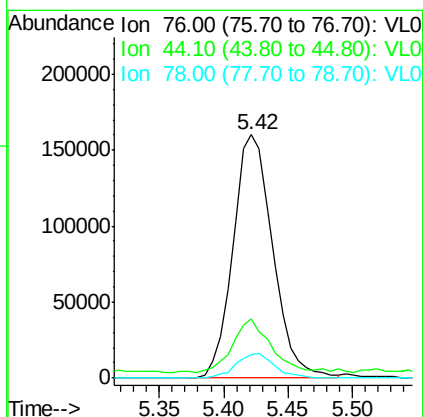
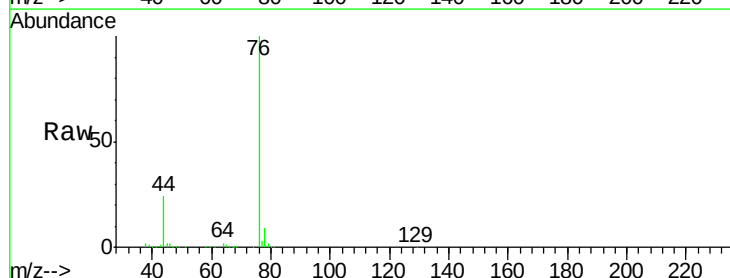
Instrument :
MSVOA_L
ClientSampleId :

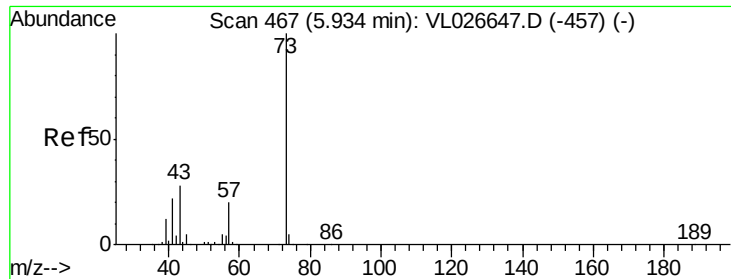
Tot Ion: 57 Resp: 24495
Ion Ratio Lower Upper
57 100
41 93.9 74.8 112.2
43 131.4 161.5 242.3#
56 59.8 44.4 66.6



#27
Carbon Disulfide
Concen: 2.31 ppbv
RT: 5.42 min Scan# 383
Delta R.T. 0.05 min
Lab File: VL026680.D
Acq: 12 Jan 2016 18:36

Tgt Ion: 76 Resp: 343729
Ion Ratio Lower Upper
76 100
44 27.1 15.9 23.9#
78 10.1 7.6 11.4





#28

Methyl tert-Butyl Ether

Concen: 0.03 ppbv

RT: 5.99 min Scan# 477

Delta R.T. 0.06 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Instrument :

MSVOA_L

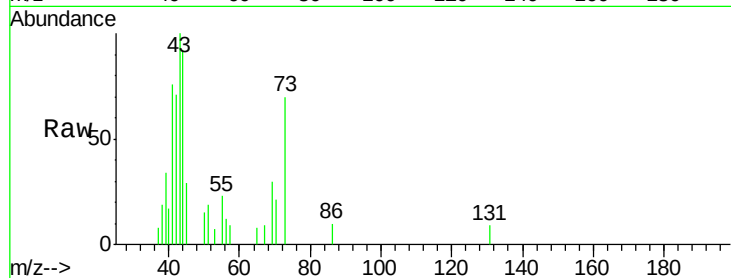
ClientSampleId :

Tot Ion: 73 Resp: 5961

Ion Ratio Lower Upper

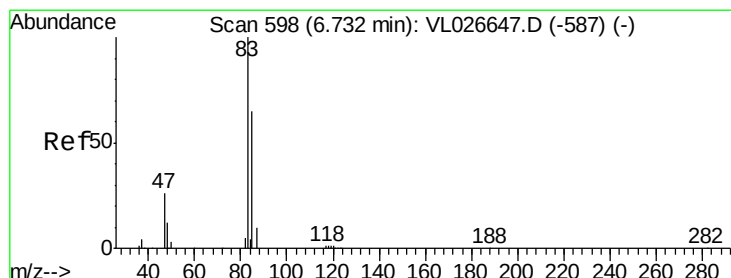
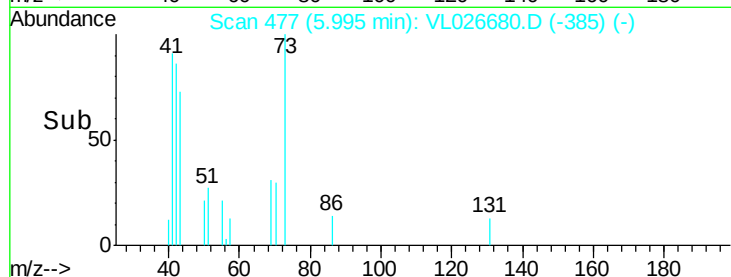
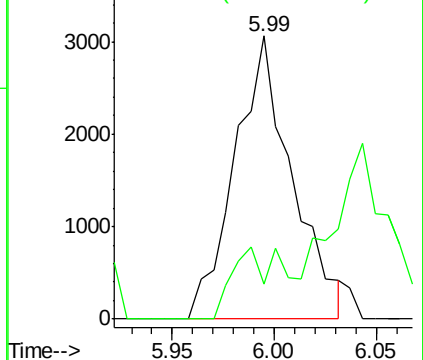
73 100

57 83.9 16.2 24.4#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#29

Chloroform

Concen: 0.12 ppbv

RT: 6.78 min Scan# 606

Delta R.T. 0.05 min

Lab File: VL026680.D

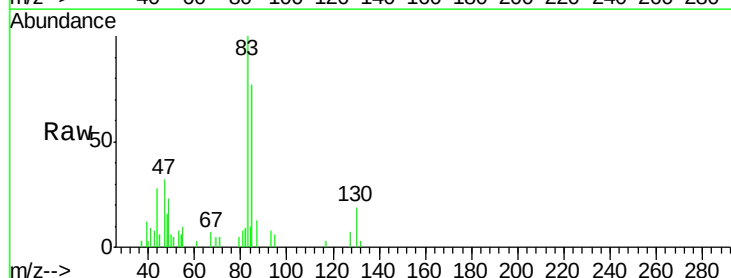
Acq: 12 Jan 2016 18:36

Tgt Ion: 83 Resp: 21296

Ion Ratio Lower Upper

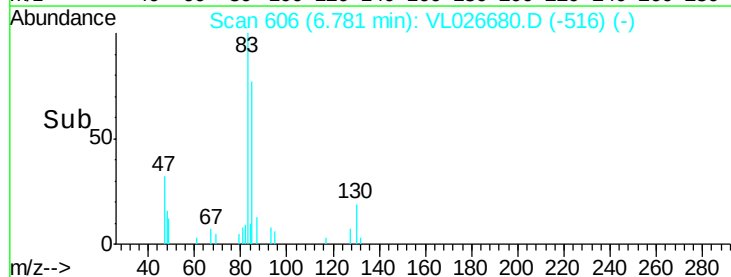
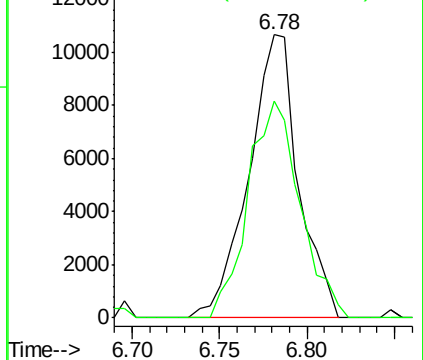
83 100

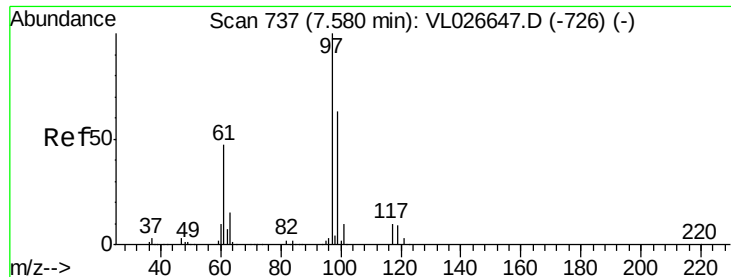
85 76.7 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





#32

1,1,1-Trichloroethane

Concen: 0.09 ppbv

RT: 7.63 min Scan# 745

Delta R.T. 0.05 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Instrument :

MSVOA_L

ClientSampleId :

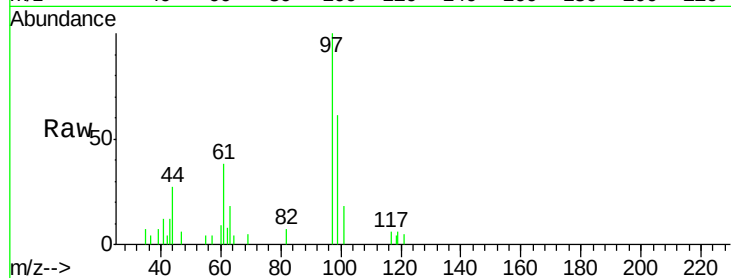
Tot Ion: 97 Resp: 19172

Ion Ratio Lower Upper

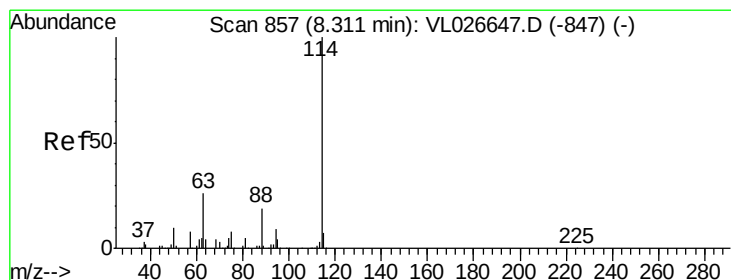
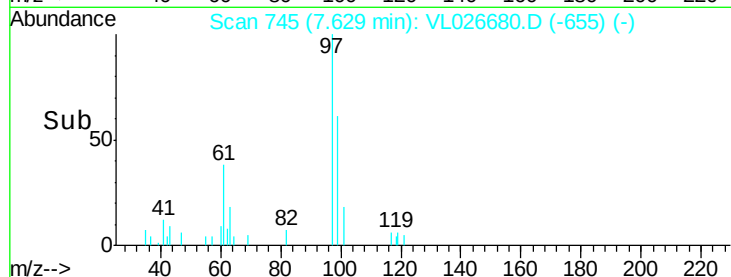
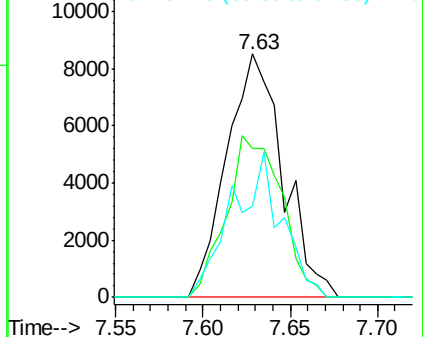
97 100

99 64.9 50.8 76.2

61 51.8 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.36 min Scan# 865

Delta R.T. 0.05 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

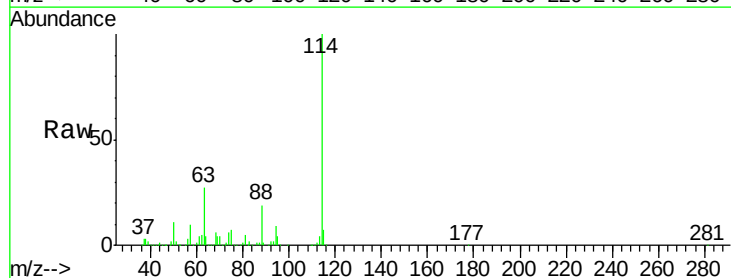
Tgt Ion: 114 Resp: 2390166

Ion Ratio Lower Upper

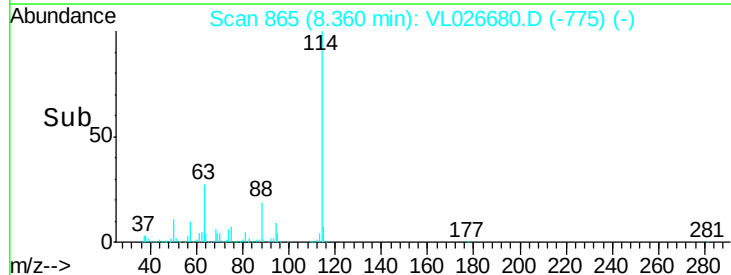
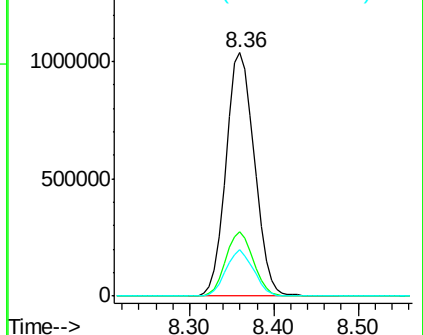
114 100

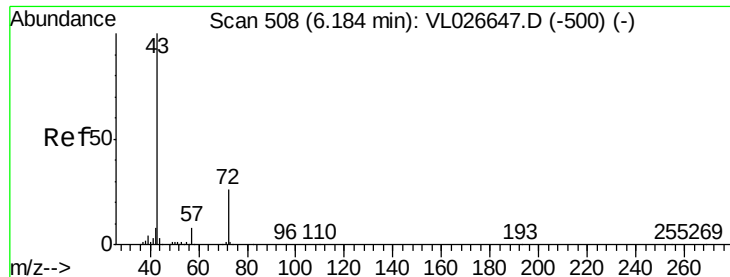
63 25.9 21.7 32.5

88 18.6 15.2 22.8



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

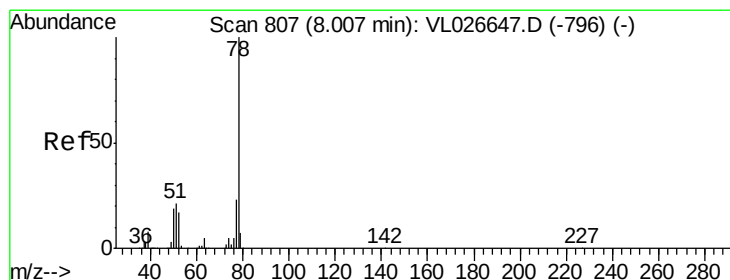
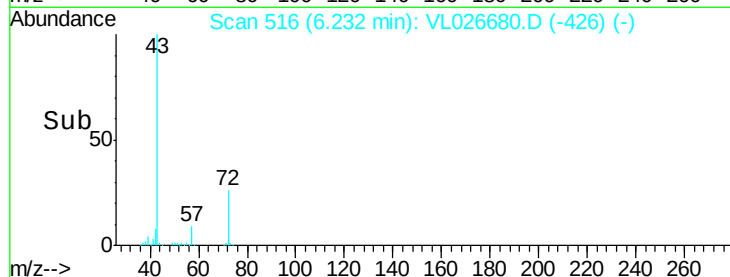
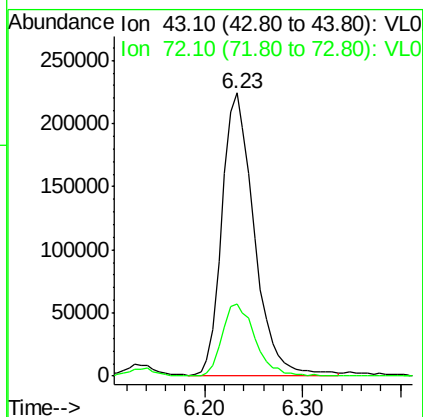
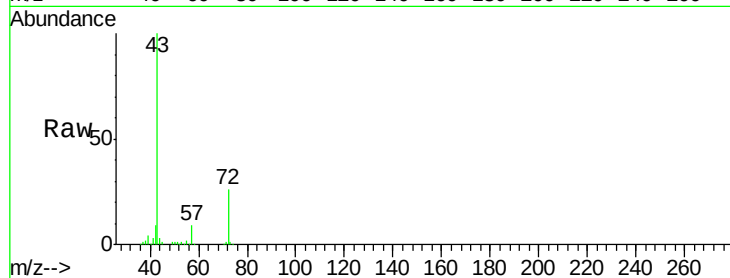




#34
 2-Butanone
 Concen: 3.99 ppbv
 RT: 6.23 min Scan# 516
 Delta R.T. 0.05 min
 Lab File: VL026680.D
 Acq: 12 Jan 2016 18:36

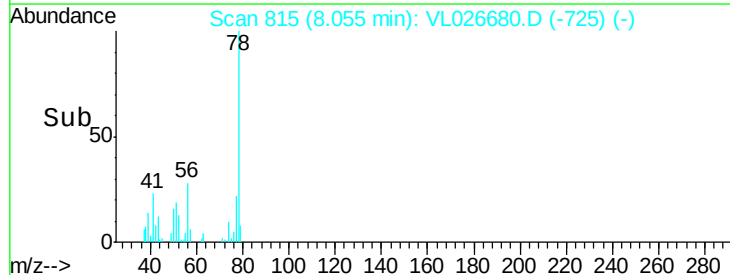
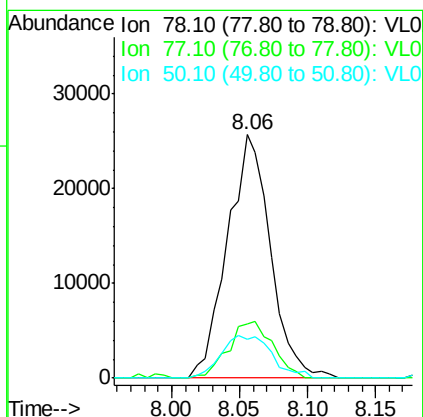
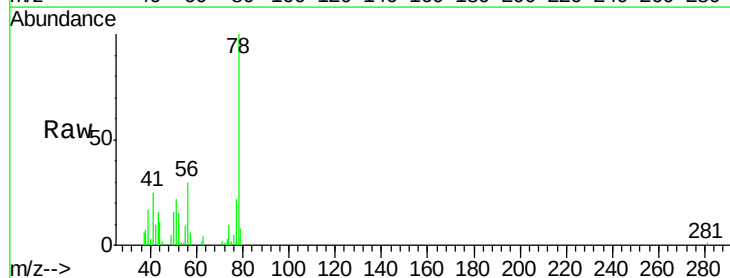
Instrument :
 MSVOA_L
 ClientSampleId :

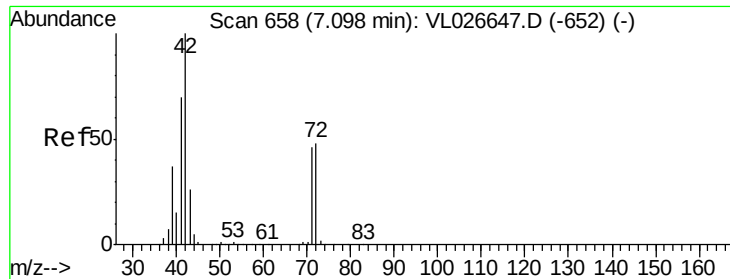
Tot Ion: 43 Resp: 508671
 Ion Ratio Lower Upper
 43 100
 72 26.6 20.9 31.3



#36
 Benzene
 Concen: 0.23 ppbv
 RT: 8.06 min Scan# 815
 Delta R.T. 0.05 min
 Lab File: VL026680.D
 Acq: 12 Jan 2016 18:36

Tgt Ion: 78 Resp: 56637
 Ion Ratio Lower Upper
 78 100
 77 22.1 18.5 27.7
 50 15.9 15.4 23.2





#41

Tetrahydrofuran

Concen: 0.04 ppbv

RT: 7.15 min Scan# 666

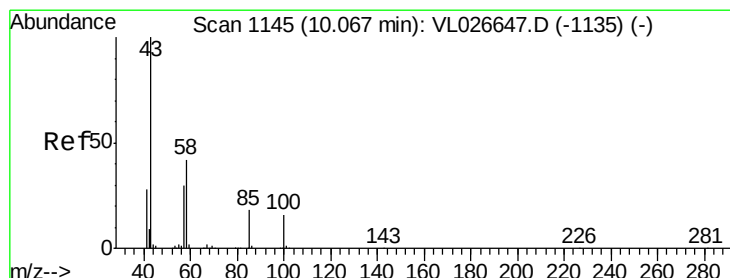
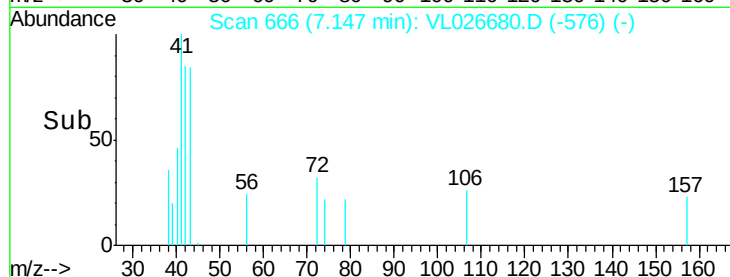
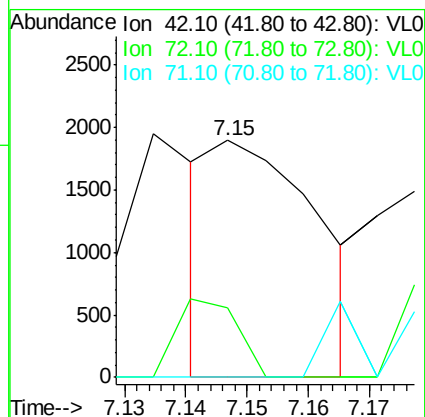
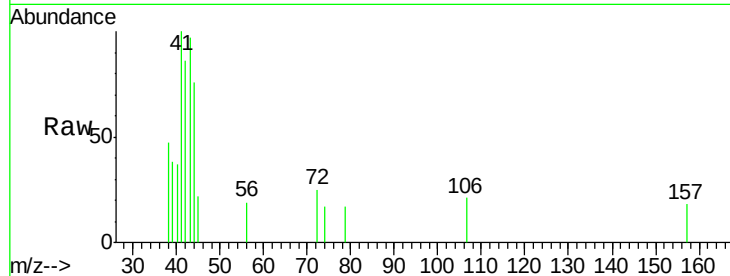
Delta R.T. 0.05 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	42	Resp:	2254
Ion	Ratio	Lower	Upper
42	100		
72	19.2	40.6	60.8#
71	0.0	38.4	57.6#



#50

4-Methyl-2-Pentanone

Concen: 0.12 ppbv

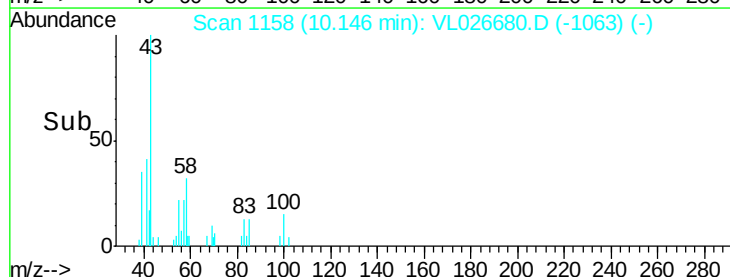
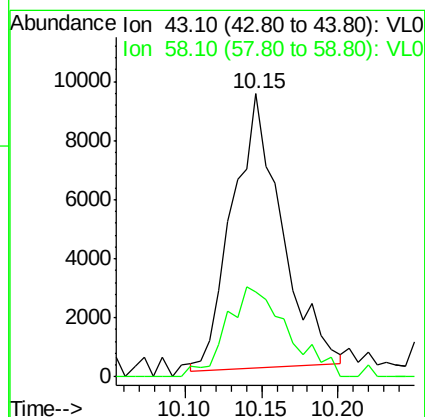
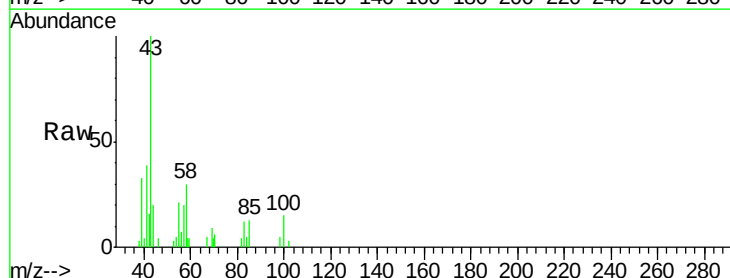
RT: 10.15 min Scan# 1158

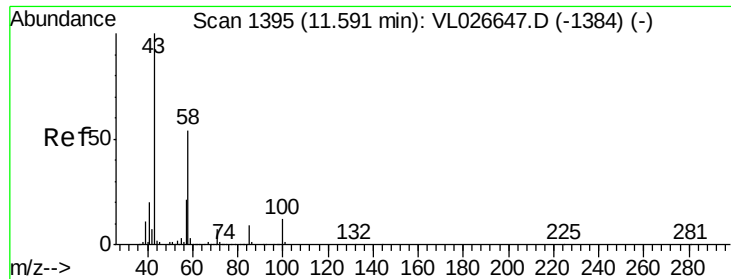
Delta R.T. 0.08 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Tgt Ion:	43	Resp:	20853
Ion	Ratio	Lower	Upper
43	100		
58	41.3	32.4	48.6

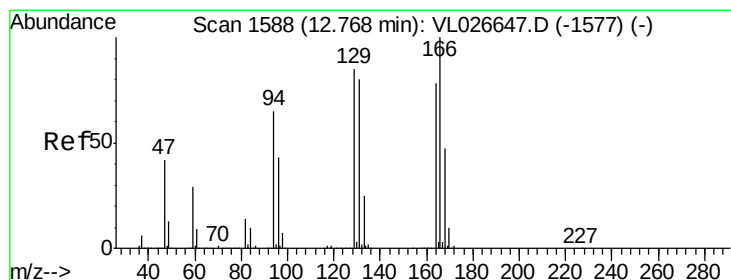
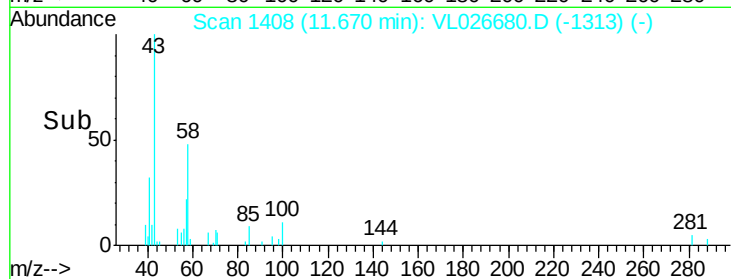
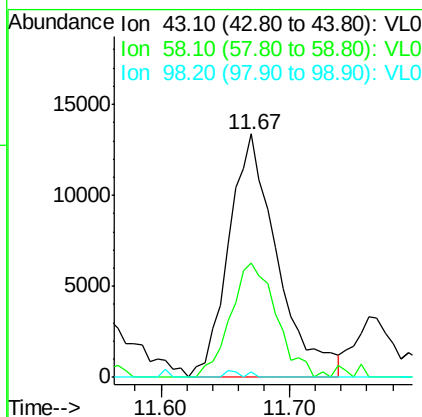
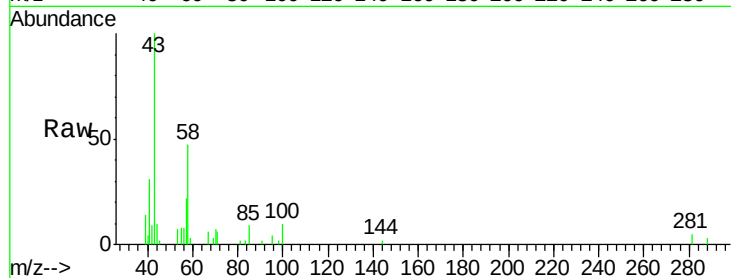




#51
2-Hexanone
Concen: 0.21 ppbv
RT: 11.67 min Scan# 1408
Delta R.T. 0.08 min
Lab File: VL026680.D
Acq: 12 Jan 2016 18:36

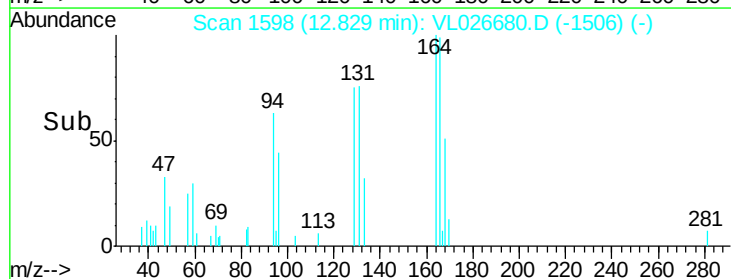
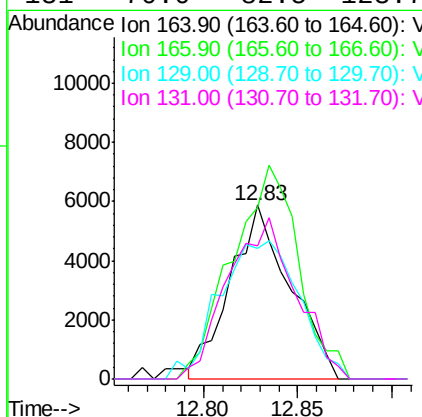
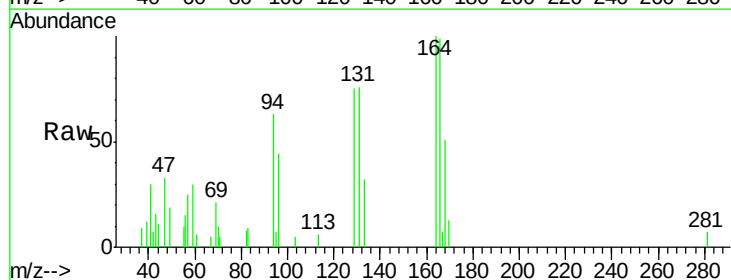
Instrument :
MSVOA_L
ClientSampleId :

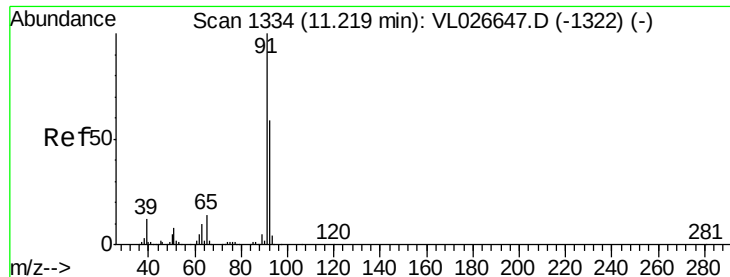
Tot Ion: 43 Resp: 35025
Ion Ratio Lower Upper
43 100
58 46.2 44.9 67.3
98 1.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.11 ppbv
RT: 12.83 min Scan# 1598
Delta R.T. 0.06 min
Lab File: VL026680.D
Acq: 12 Jan 2016 18:36

Tgt Ion:164 Resp: 12977
Ion Ratio Lower Upper
164 100
166 89.8 102.5 153.7#
129 68.7 87.0 130.6#
131 70.0 82.5 123.7#





#53

Toluene

Concen: 4.44 ppbv

RT: 11.27 min Scan# 1343

Delta R.T. 0.05 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Instrument :

MSVOA_L

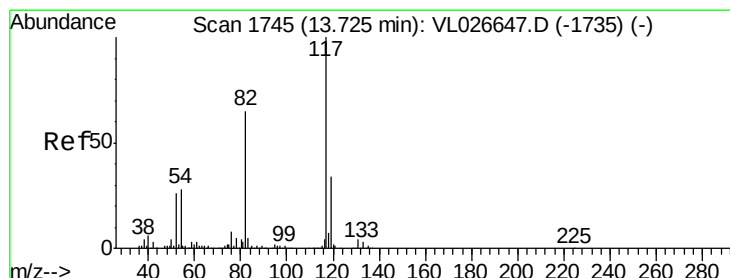
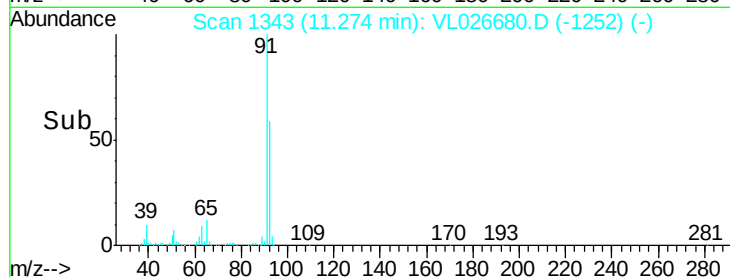
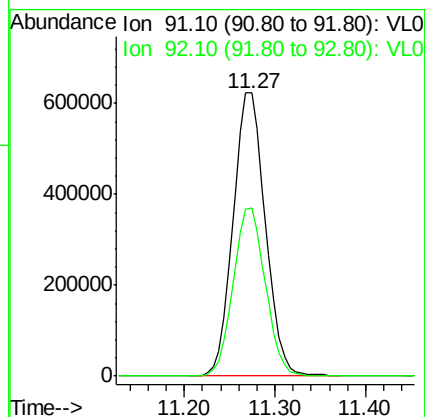
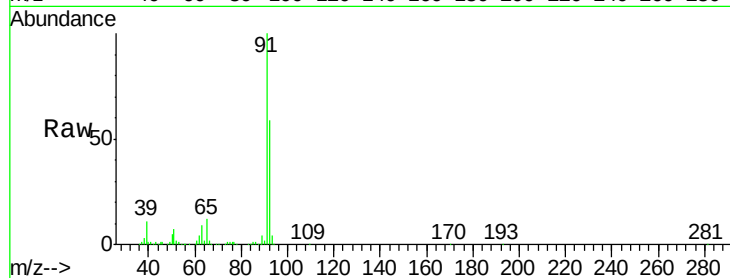
ClientSampleId :

Tot Ion: 91 Resp: 1538196

Ion Ratio Lower Upper

91 100

92 59.6 48.2 72.4



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.78 min Scan# 1754

Delta R.T. 0.05 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

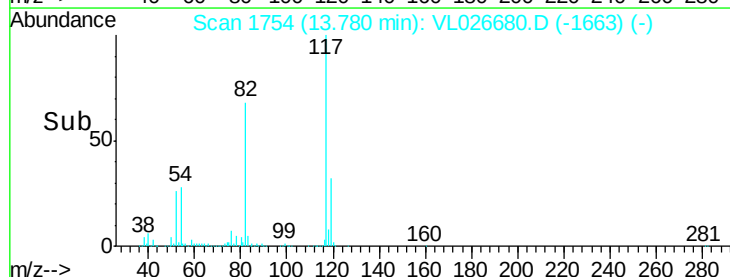
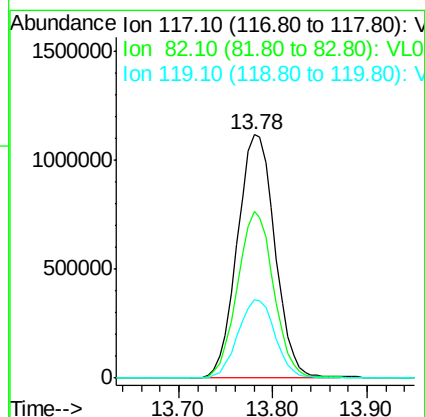
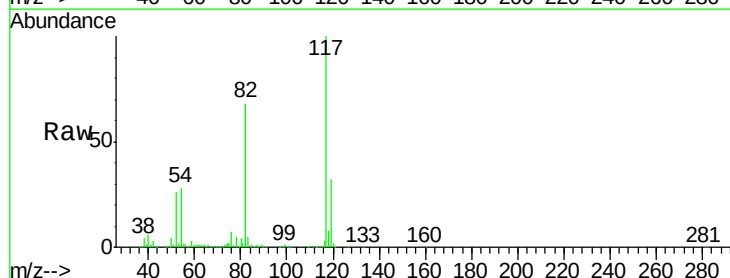
Tgt Ion: 117 Resp: 3119951

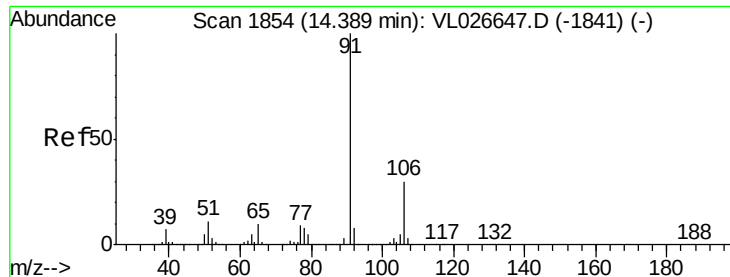
Ion Ratio Lower Upper

117 100

82 66.6 49.7 74.5

119 32.1 43.8 65.8#





#58

Ethyl Benzene

Concen: 0.31 ppbv

RT: 14.45 min Scan# 1864

Delta R.T. 0.06 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Instrument :

MSVOA_L

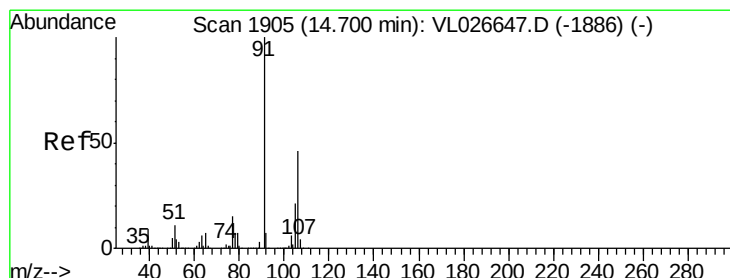
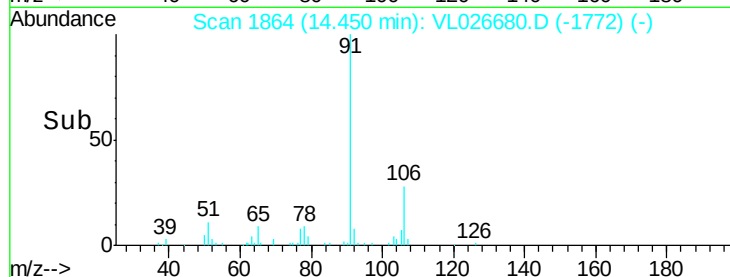
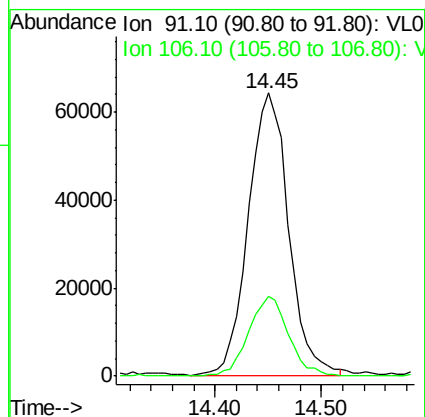
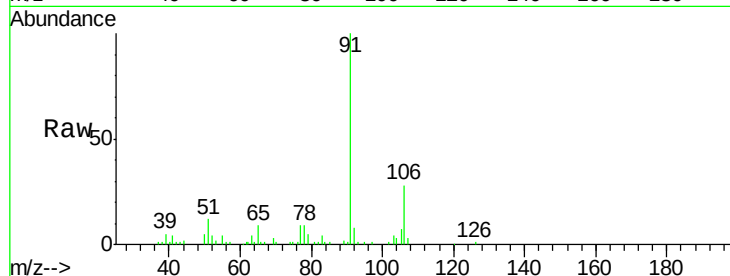
ClientSampleId :

Tot Ion: 91 Resp: 172461

Ion Ratio Lower Upper

91 100

106 28.0 23.8 35.6



#59

m/p-Xylene

Concen: 1.06 ppbv

RT: 14.72 min Scan# 1909

Delta R.T. 0.02 min

Lab File: VL026680.D

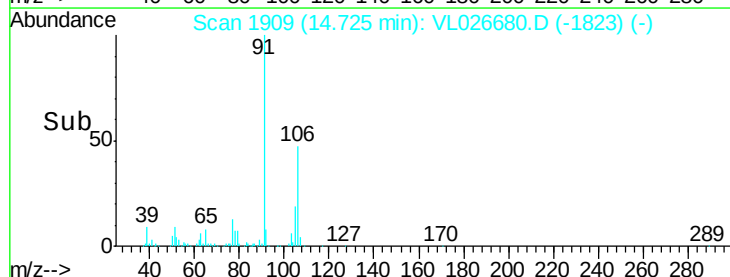
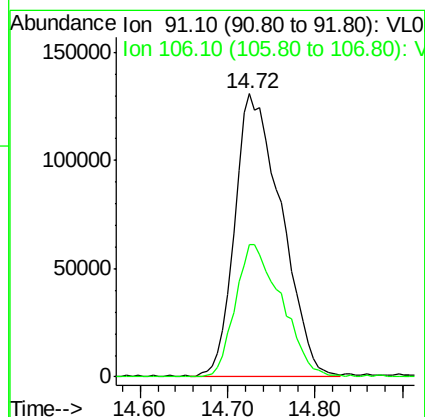
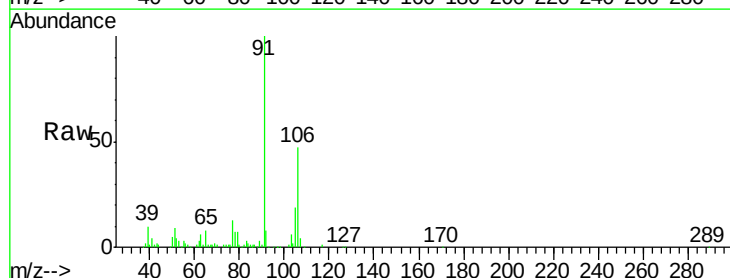
Acq: 12 Jan 2016 18:36

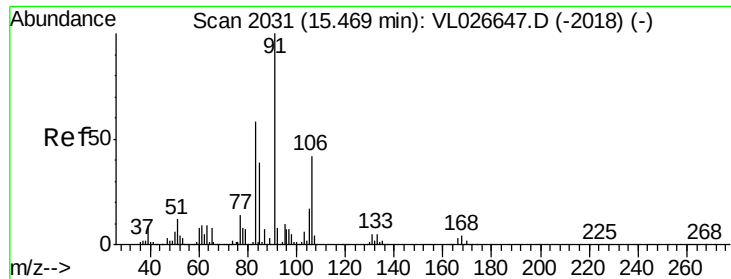
Tgt Ion: 91 Resp: 486836

Ion Ratio Lower Upper

91 100

106 46.7 36.6 55.0

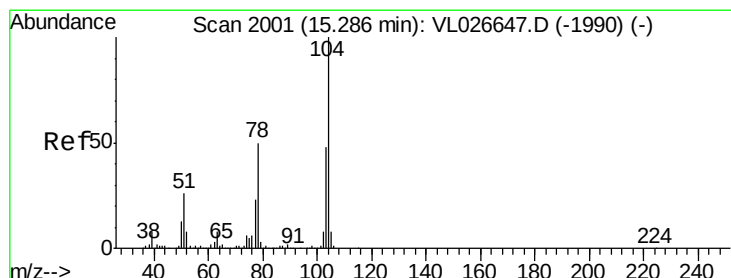
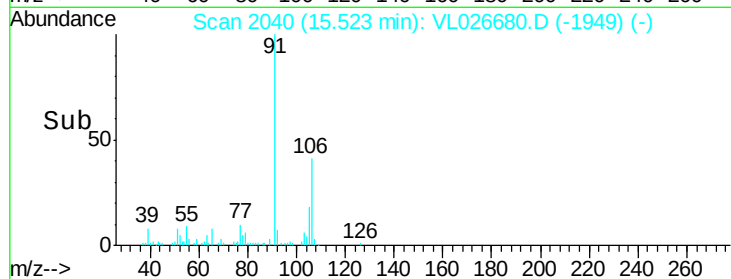
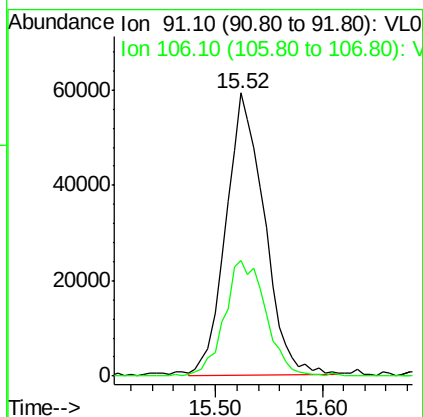
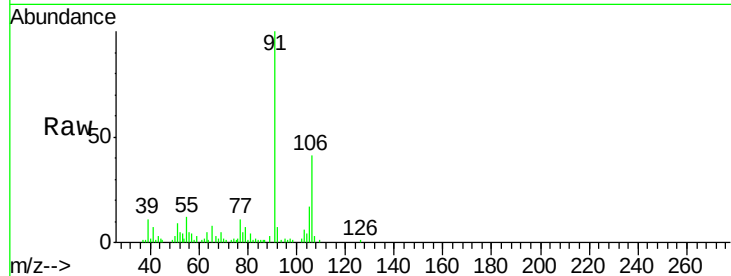




#60
o-Xylene
Concen: 0.30 ppbv
RT: 15.52 min Scan# 2040
Delta R.T. 0.05 min
Lab File: VL026680.D
Acq: 12 Jan 2016 18:36

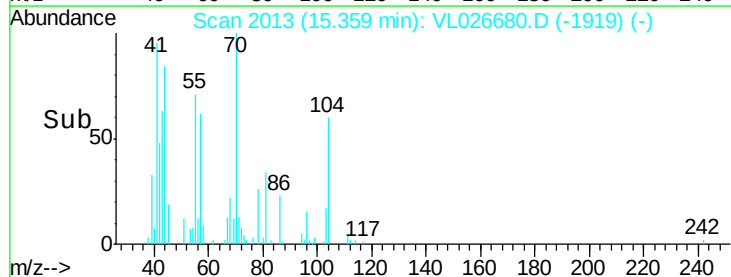
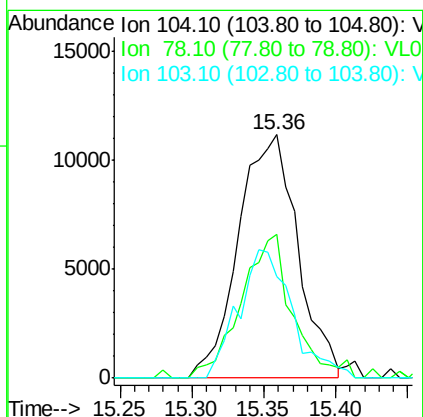
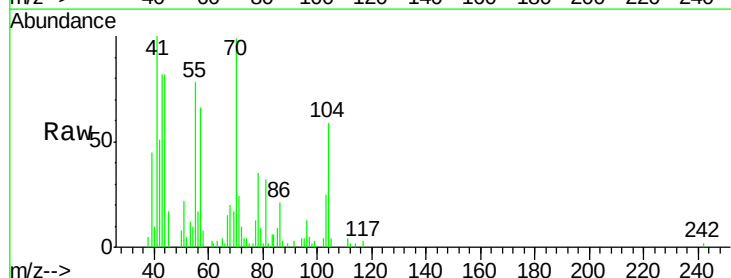
Instrument :
MSVOA_L
ClientSampleId :

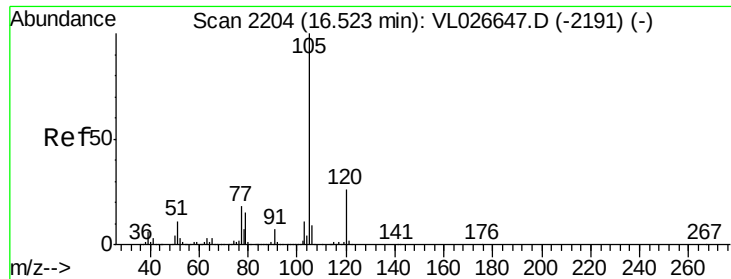
Tot Ion: 91 Resp: 149944
Ion Ratio Lower Upper
91 100
106 44.0 21.5 64.5



#61
Styrene
Concen: 0.16 ppbv
RT: 15.36 min Scan# 2013
Delta R.T. 0.07 min
Lab File: VL026680.D
Acq: 12 Jan 2016 18:36

Tgt Ion: 104 Resp: 31923
Ion Ratio Lower Upper
104 100
78 51.9 39.6 59.4
103 47.9 37.8 56.6





#62

Isopropylbenzene

Concen: 0.89 ppbv

RT: 16.58 min Scan# 2214

Delta R.T. 0.06 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Instrument :

MSVOA_L

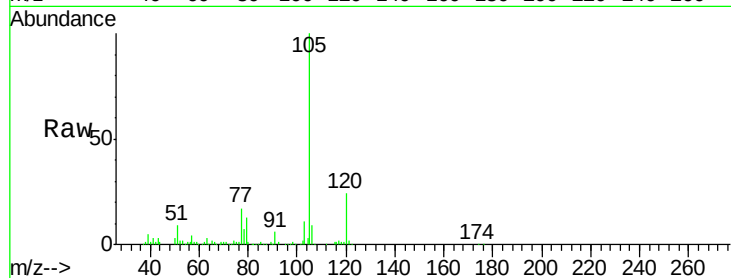
ClientSampleId :

Tot Ion:105 Resp: 588011

Ion Ratio Lower Upper

105 100

120 25.2 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

250000

200000

150000

100000

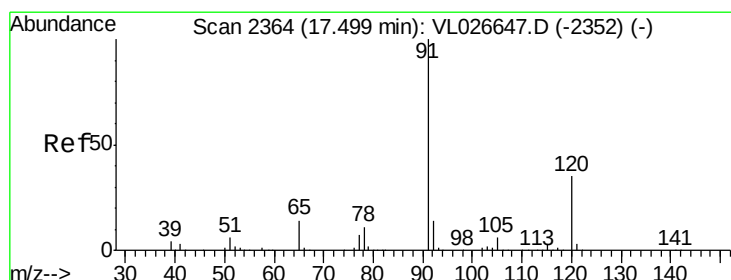
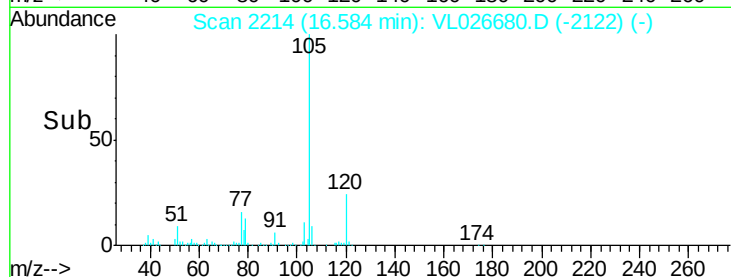
50000

0

16.58

16.50 16.60 16.70

Time-->



#64

n-propylbenzene

Concen: 0.05 ppbv

RT: 17.57 min Scan# 2375

Delta R.T. 0.07 min

Lab File: VL026680.D

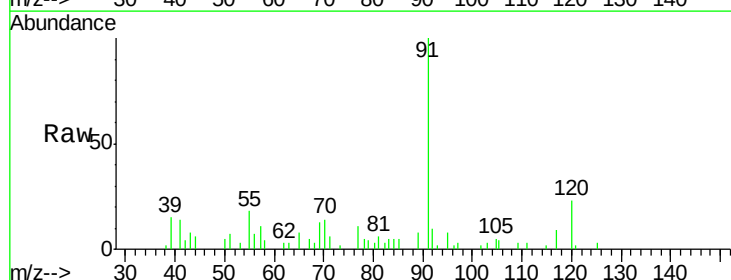
Acq: 12 Jan 2016 18:36

Tgt Ion:120 Resp: 9449

Ion Ratio Lower Upper

120 100

91 539.1 375.8 563.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

20000

15000

10000

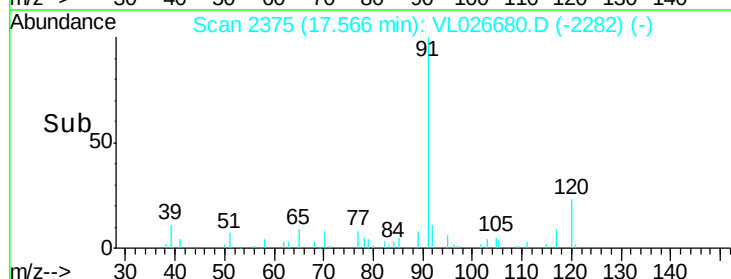
5000

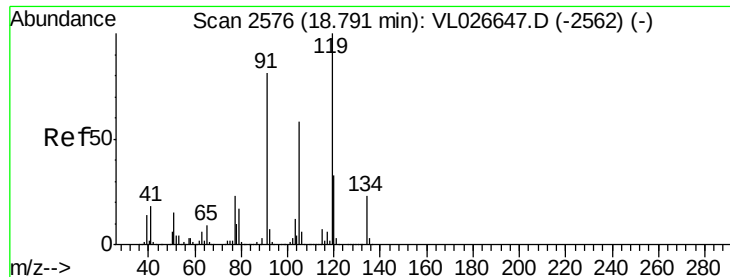
0

17.57

17.50 17.55 17.60

Time-->





#65

tert-Butylbenzene

Concen: 0.03 ppbv

RT: 18.88 min Scan# 2590

Delta R.T. 0.09 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Instrument :

MSVOA_L

ClientSampled :

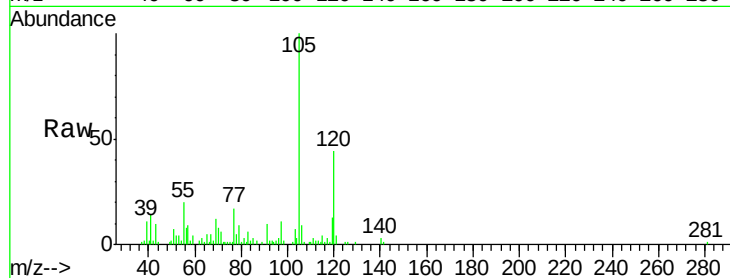
Tot Ion:119 Resp: 18872

Ion Ratio Lower Upper

119 100

91 145.0 64.8 97.2#

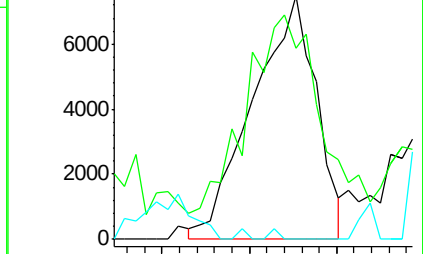
134 0.0 17.4 26.0#



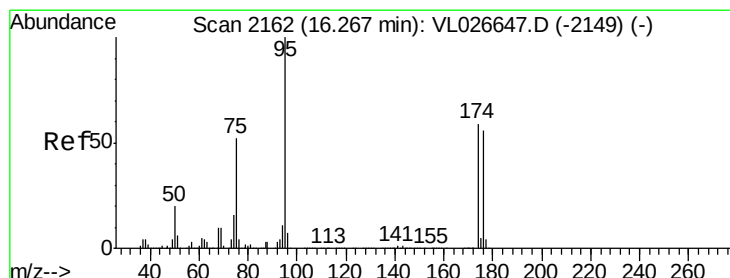
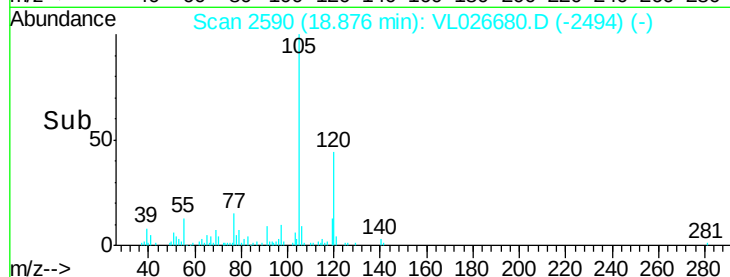
Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.47 ppbv

RT: 16.33 min Scan# 2172

Delta R.T. 0.06 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

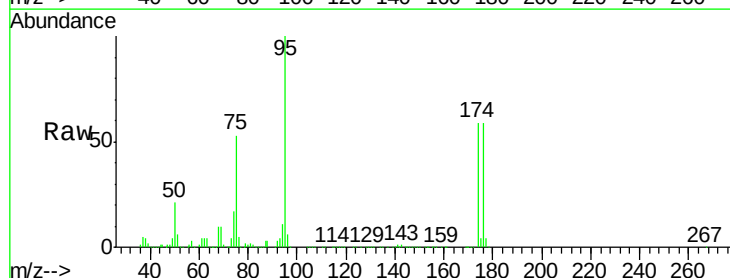
Tgt Ion: 95 Resp: 2603303

Ion Ratio Lower Upper

95 100

174 60.2 47.8 71.8

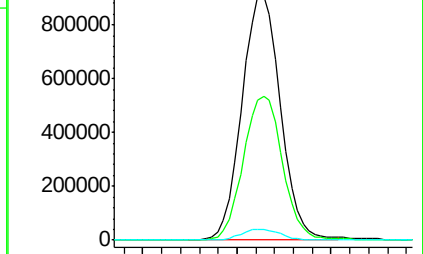
175 4.6 3.6 5.4



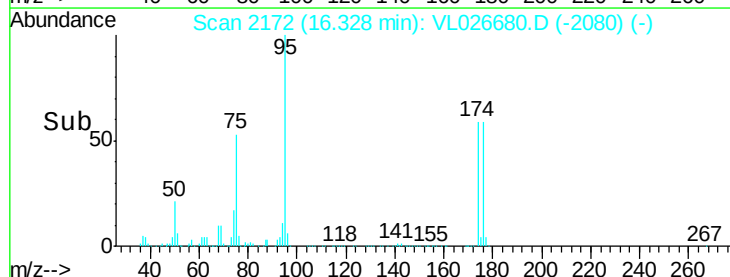
Abundance Ion 95.10 (94.80 to 95.80): VL0

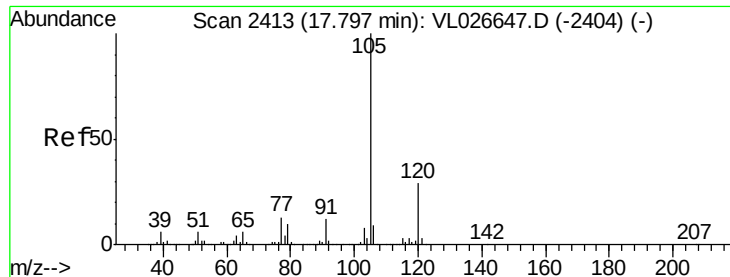
Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



Time-->





#72

4-Ethyltoluene

Concen: 0.10 ppbv

RT: 17.86 min Scan# 2423

Delta R.T. 0.06 min

Lab File: VL026680.D

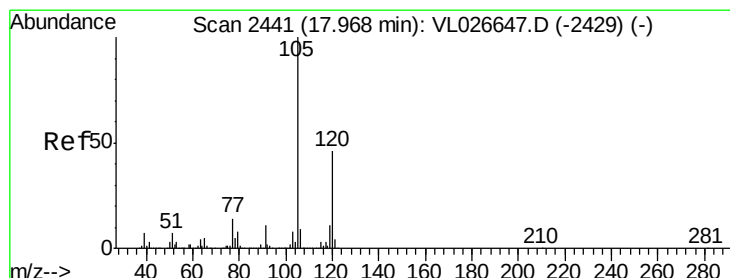
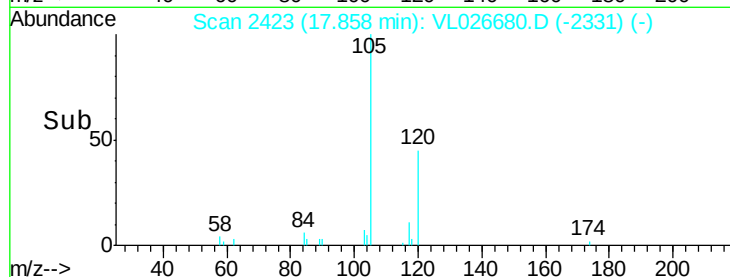
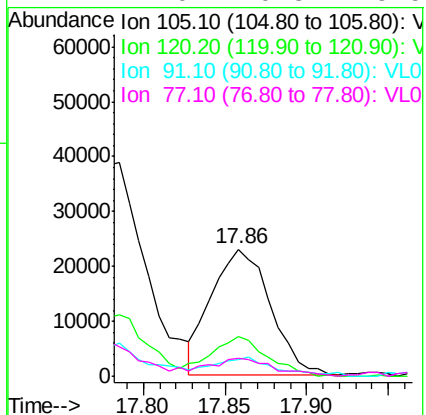
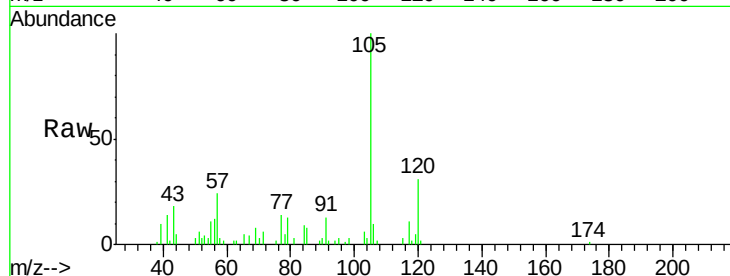
Acq: 12 Jan 2016 18:36

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:	105	Resp:	57795
Ion	Ratio	Lower	Upper
105	100		
120	30.4	23.7	35.5
91	16.8	9.7	14.5#
77	17.0	10.3	15.5#



#73

1,3,5-Trimethylbenzene

Concen: 0.07 ppbv

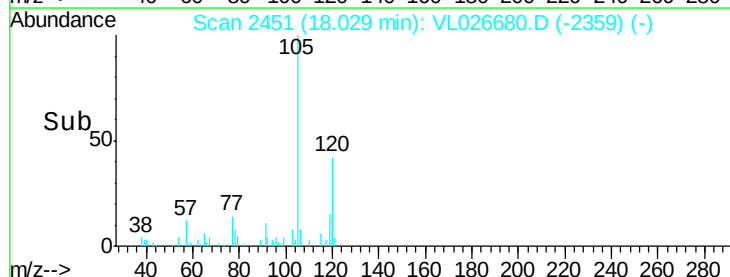
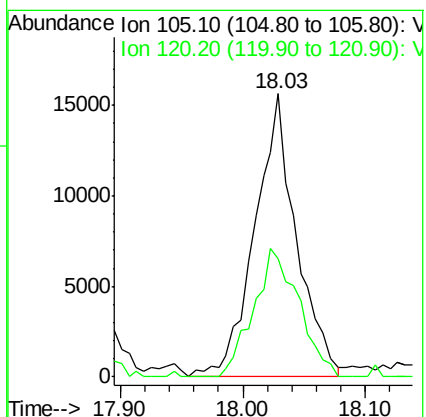
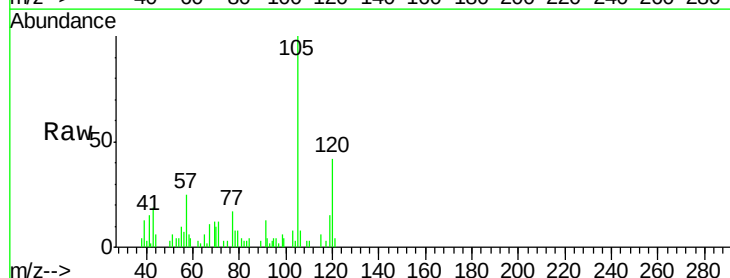
RT: 18.03 min Scan# 2451

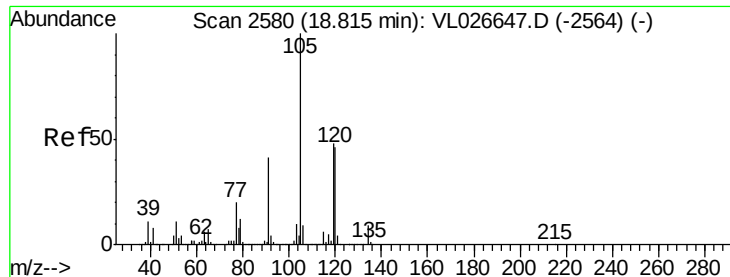
Delta R.T. 0.06 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Tgt Ion:	105	Resp:	36925
Ion	Ratio	Lower	Upper
105	100		
120	41.9	36.6	54.8





#74

1,2,4-Trimethylbenzene

Concen: 0.28 ppbv

RT: 18.88 min Scan# 2590

Delta R.T. 0.06 min

Lab File: VL026680.D

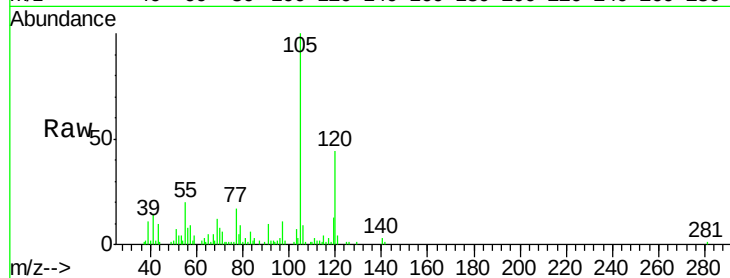
Acq: 12 Jan 2016 18:36

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	155433
Ion	Ratio	Lower	Upper
105	100		
120	43.8	36.6	55.0
91	7.8	32.5	48.7#
77	15.1	15.7	23.5#

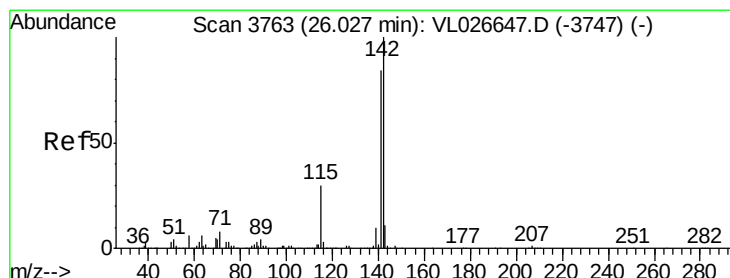
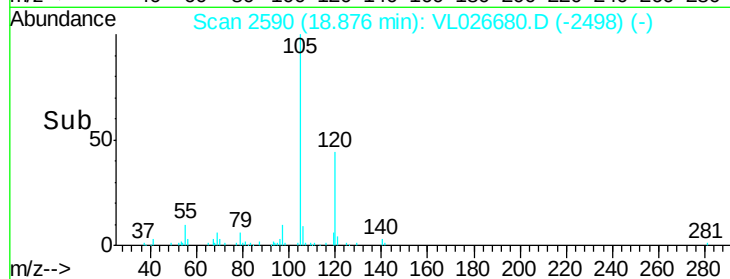
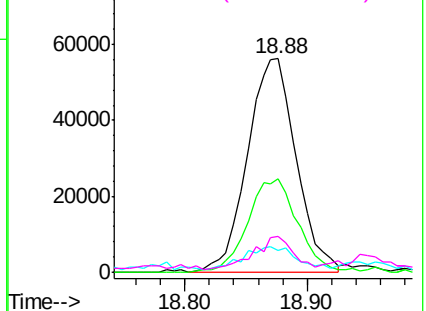


Abundance Ion 105.10 (104.80 to 105.80): V

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



#80

Naphthalene, 2-methyl-

Concen: 0.05 ppbv

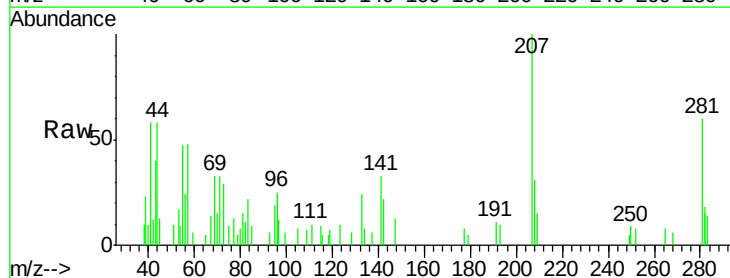
RT: 26.09 min Scan# 3774

Delta R.T. 0.07 min

Lab File: VL026680.D

Acq: 12 Jan 2016 18:36

Tgt Ion:	142	Resp:	2859
Ion	Ratio	Lower	Upper
142	100		
141	363.3	67.0	100.6#
115	43.5	24.7	37.1#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

