

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026270.D
 Acq On : 29 Oct 2015 18:23
 Operator : SY/AP
 Sample : G4169-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 29 23:02:06 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	6.69	49	571587	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.36	114	1542444	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.79	117	1533004	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	1143000	9.83	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.67	85	47835	0.39	ppbv	98
3) Chlorodifluoromethane	3.60	51	136697	1.90	ppbv	98
4) Chloromethane	3.78	50	16482	0.40	ppbv	97
5) Vinyl Chloride	3.64	62	764	0.02	ppbv #	44
8) Dichlorotetrafluoroethane	3.84	85	1713	0.02	ppbv	90
9) Propene	3.63	41	17341	0.50	ppbv #	80
10) Heptane	9.39	43	5430	0.05	ppbv	95
11) Trichlorofluoromethane	4.73	101	24942	0.22	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.34	101	5272	0.07	ppbv	96
13) Ethanol	4.39	45	15121	2.92	ppbv	86
15) Acetone	4.64	43	185087	2.45	ppbv	97
16) 1,3-Butadiene	3.98	39	5035	0.13	ppbv #	32
19) Isopropyl Alcohol	4.79	45	1205	0.04	ppbv #	24
20) Methylene Chloride	5.18	84	20630	0.63	ppbv	94
21) Allyl Chloride	5.21	41	1520	0.03	ppbv #	83
25) Ethyl Acetate	6.69	43	8703	0.06	ppbv #	75
26) Hexane	6.69	57	11098	0.14	ppbv	84
29) Chloroform	6.78	83	2083	0.02	ppbv	89
30) Cyclohexane	8.32	84	4705	0.06	ppbv #	1
31) cis-1,2-Dichloroethene	6.74	61	1108	0.02	ppbv #	21
34) 2-Butanone	6.28	43	13716	0.15	ppbv	96
35) Carbon Tetrachloride	8.20	117	6716	0.06	ppbv	96
36) Benzene	8.06	78	24696	0.15	ppbv	95
41) Tetrahydrofuran	7.40	42	1418	0.03	ppbv #	36
44) 2,2,4-Trimethylpentane	9.12	57	19444	0.07	ppbv #	84
50) 4-Methyl-2-Pentanone	10.20	43	4799	0.04	ppbv #	84
53) Toluene	11.27	91	57858	0.27	ppbv	98
58) Ethyl Benzene	14.46	91	11274	0.04	ppbv	92
59) m/p-Xylene	14.73	91	28564	0.14	ppbv #	100
60) o-Xylene	15.54	91	13598	0.07	ppbv	97
61) Styrene	15.35	104	3361	0.04	ppbv #	31
64) n-propylbenzene	17.57	120	1211	0.02	ppbv #	23
72) 4-Ethyltoluene	17.86	105	9563	0.04	ppbv #	89
73) 1,3,5-Trimethylbenzene	18.02	105	3501	0.02	ppbv	99
74) 1,2,4-Trimethylbenzene	18.88	105	23863	0.10	ppbv #	70
76) 1,4-Dichlorobenzene	19.33	146	2254	0.01	ppbv	85
78) Hexachloro-1,3-Butadiene	24.70	225	1042	0.02	ppbv #	47
79) Naphthalene	23.98	128	7127	0.04	ppbv #	95
80) Naphthalene,2-methyl-	26.12	142	1733	0.06	ppbv #	81

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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

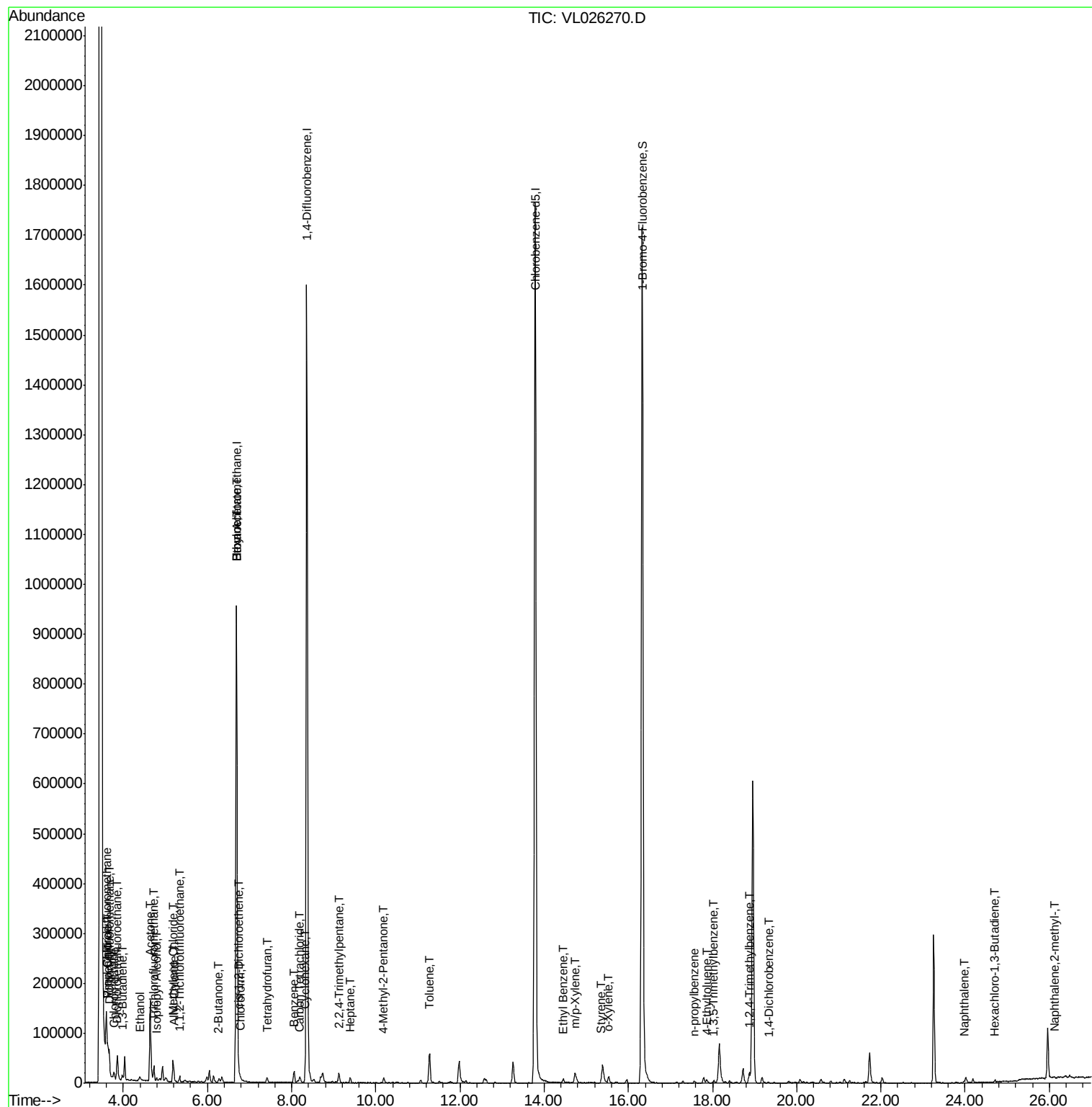
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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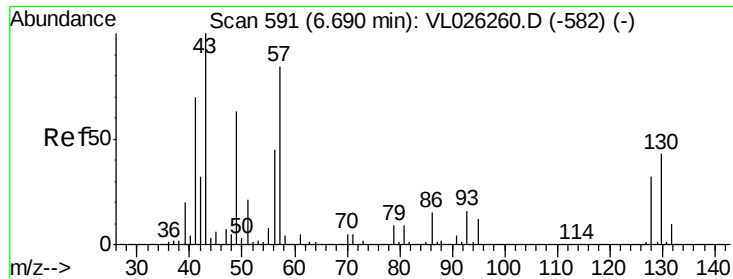
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.69 min Scan# 591

Delta R.T. 0.00 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

Instrument :
MSVOA_L
ClientSampled :

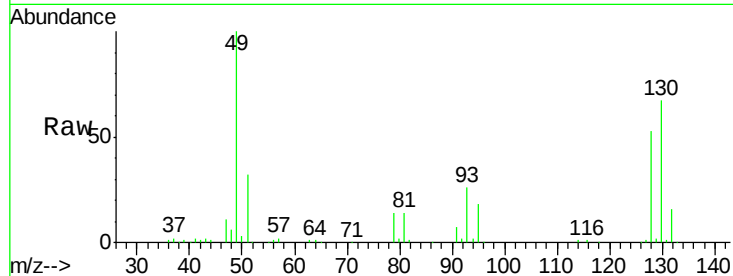
Tot Ion: 49 Resp: 571587

Ion Ratio Lower Upper

49 100

128 53.6 26.7 80.1

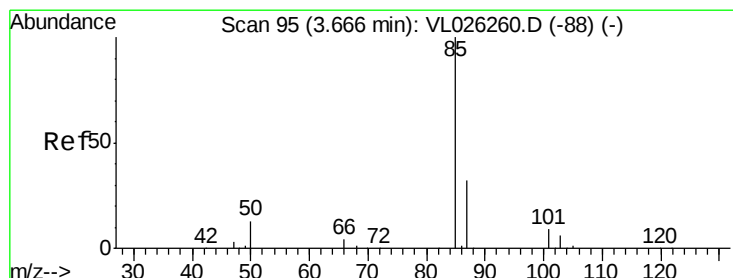
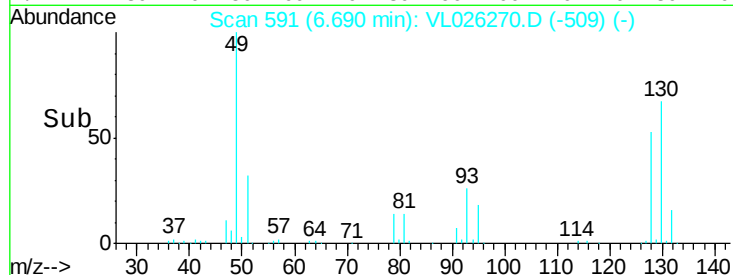
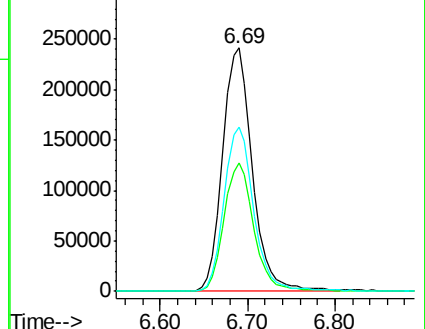
130 68.2 34.4 103.2



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: 0.39 ppbv

RT: 3.67 min Scan# 96

Delta R.T. 0.01 min

Lab File: VL026270.D

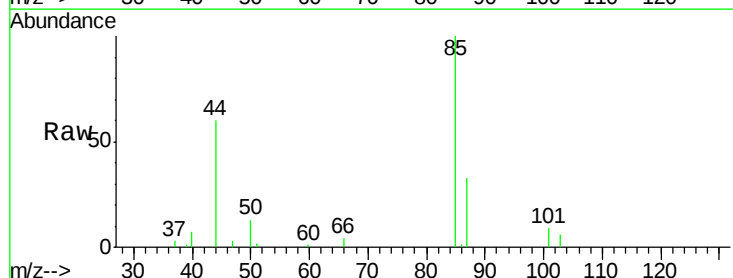
Acq: 29 Oct 2015 18:23

Tgt Ion: 85 Resp: 47835

Ion Ratio Lower Upper

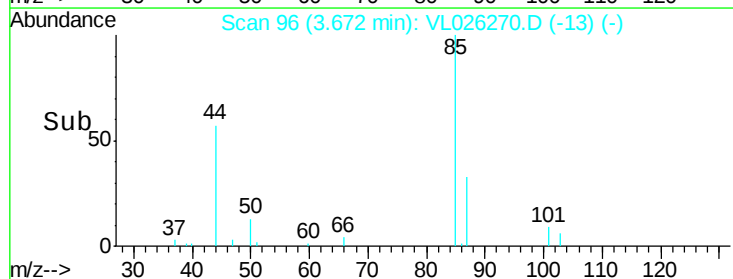
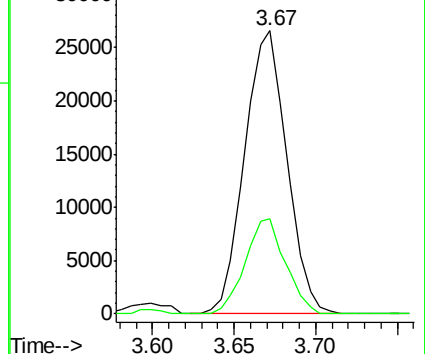
85 100

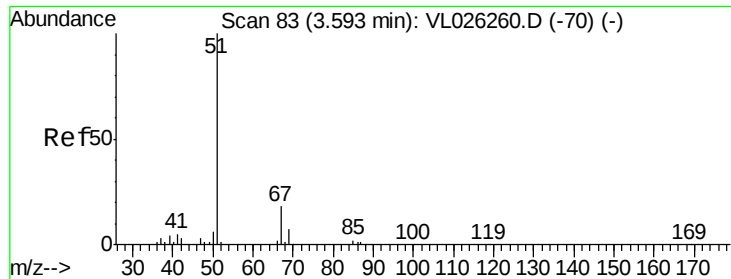
87 33.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

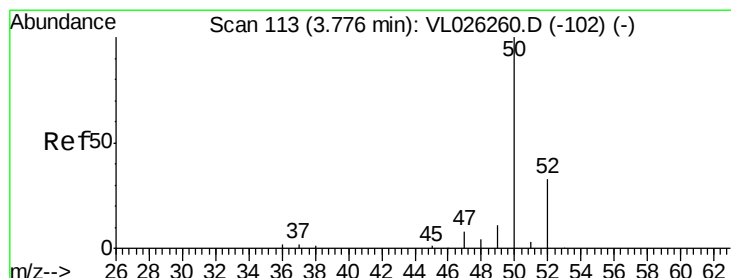
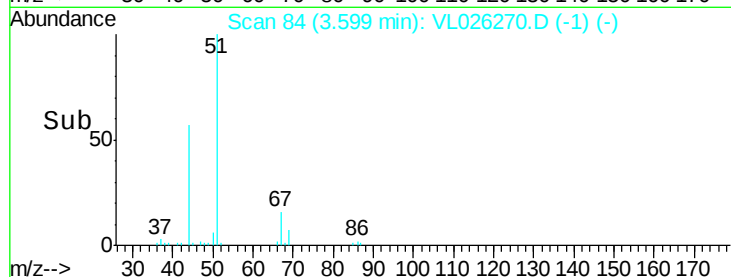
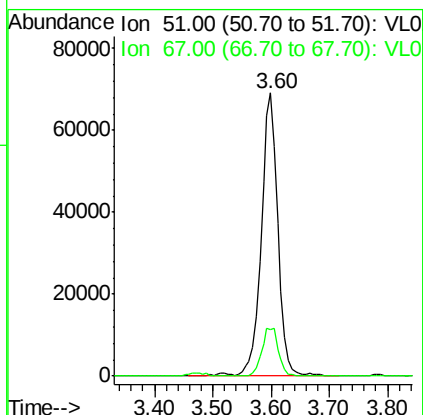
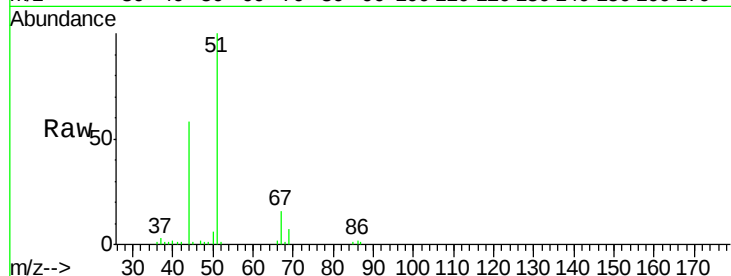




#3
Chlorodifluoromethane
Concen: 1.90 ppbv
RT: 3.60 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

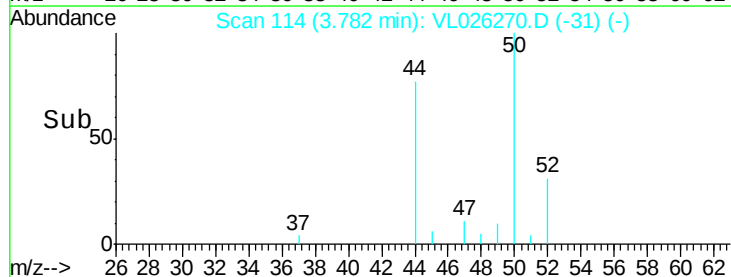
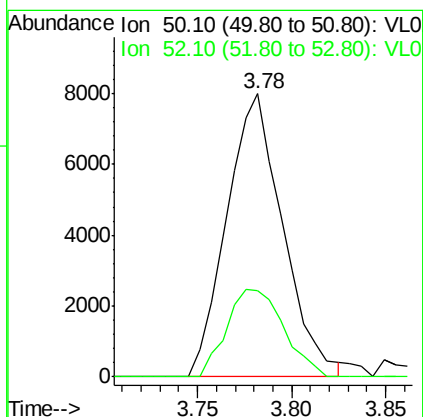
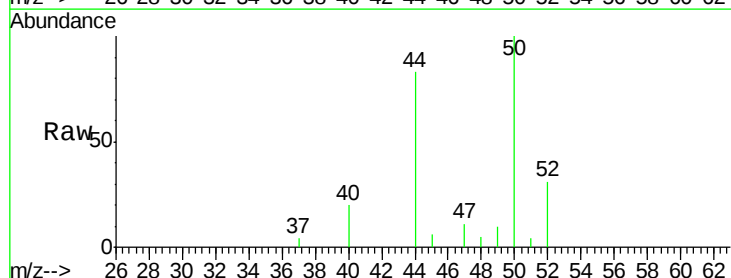
Instrument :
MSVOA_L
ClientSampleId :

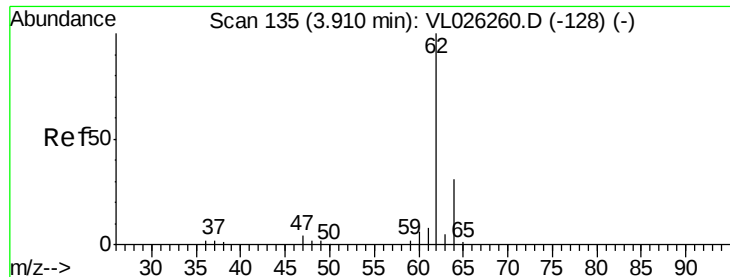
Tot Ion: 51 Resp: 136697
Ion Ratio Lower Upper
51 100
67 17.1 14.5 21.7



#4
Chloromethane
Concen: 0.40 ppbv
RT: 3.78 min Scan# 114
Delta R.T. 0.01 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

Tgt Ion: 50 Resp: 16482
Ion Ratio Lower Upper
50 100
52 30.6 26.1 39.1





#5

Vinyl Chloride

Concen: 0.02 ppbv

RT: 3.64 min Scan# 90

Delta R.T. -0.27 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

Instrument :

MSVOA_L

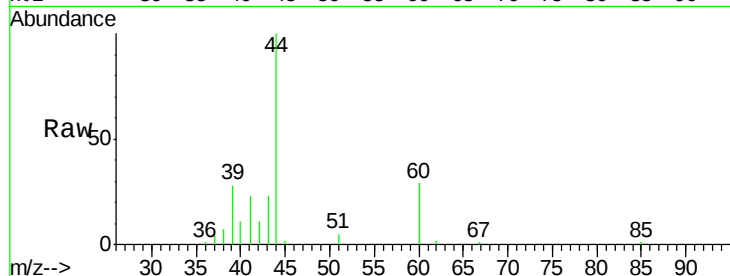
ClientSampled :

Tot Ion: 62 Resp: 764

Ion Ratio Lower Upper

62 100

64 0.0 24.9 37.3#



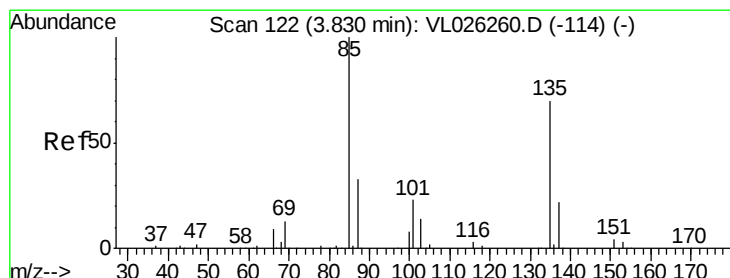
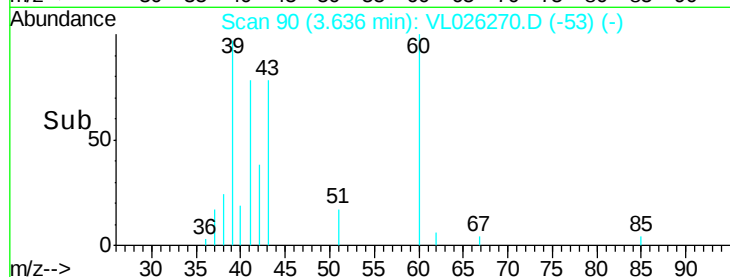
Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.64

3.62 3.64 3.66

Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.02 ppbv

RT: 3.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL026270.D

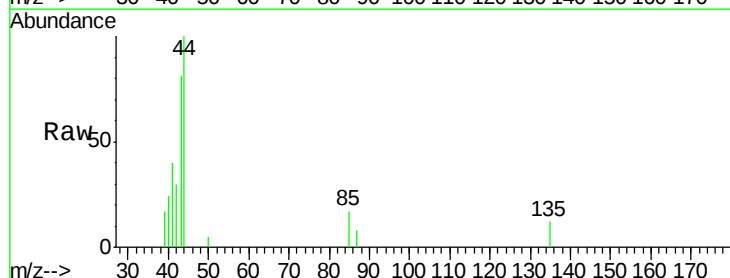
Acq: 29 Oct 2015 18:23

Tgt Ion: 85 Resp: 1713

Ion Ratio Lower Upper

85 100

135 62.8 56.6 84.8



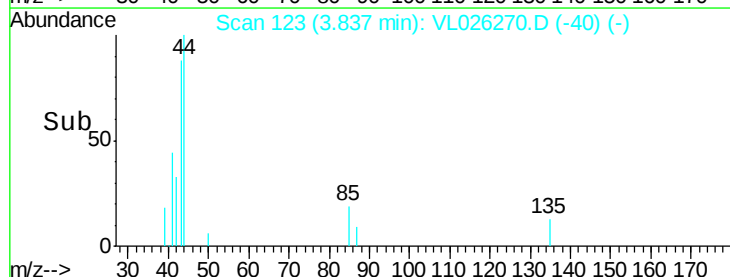
Abundance Ion 85.00 (84.70 to 85.70): VL0

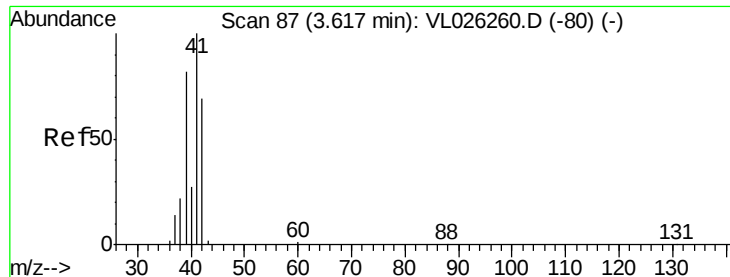
Ion 135.00 (134.70 to 135.70): VL0

3.84

3.80 3.82 3.84 3.86

Time-->





#9

Propene

Concen: 0.50 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

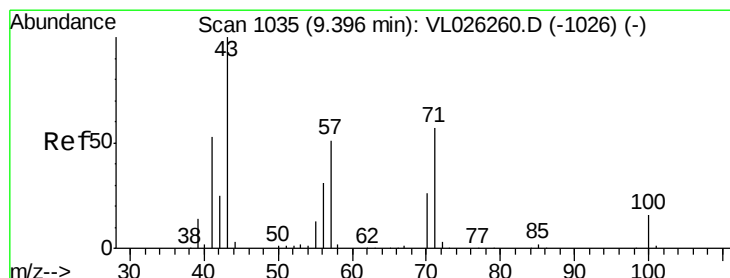
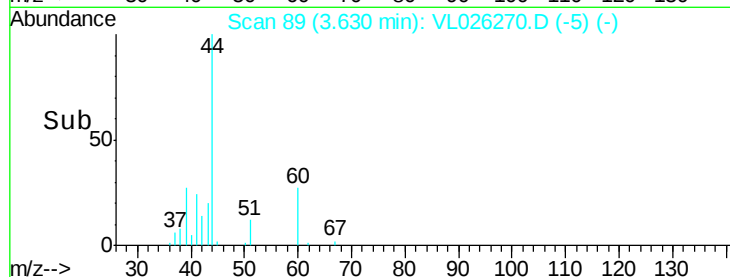
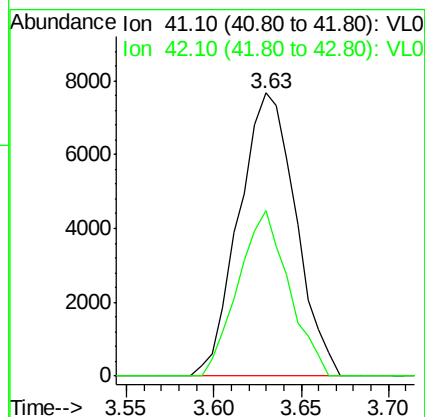
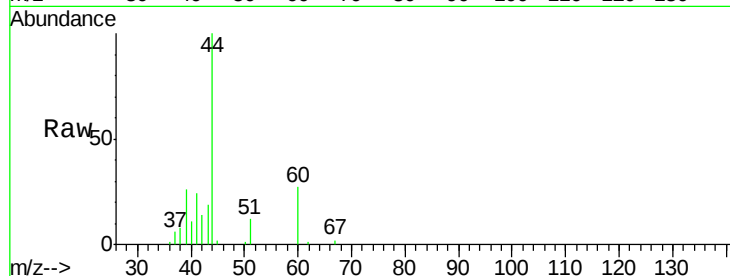
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 17341

Ion Ratio Lower Upper

41 100

42 51.9 54.5 81.7#



#10

Heptane

Concen: 0.05 ppbv

RT: 9.39 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VL026270.D

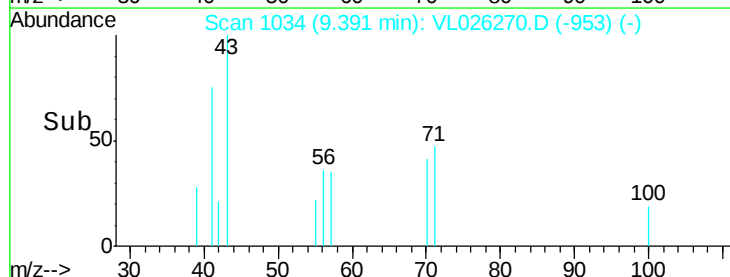
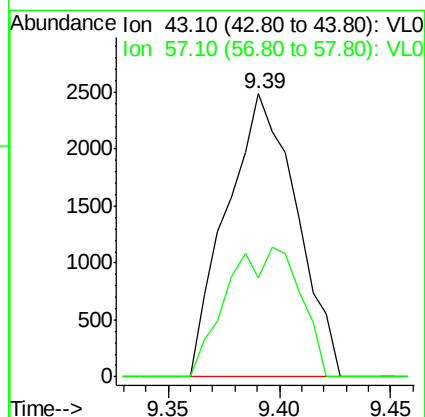
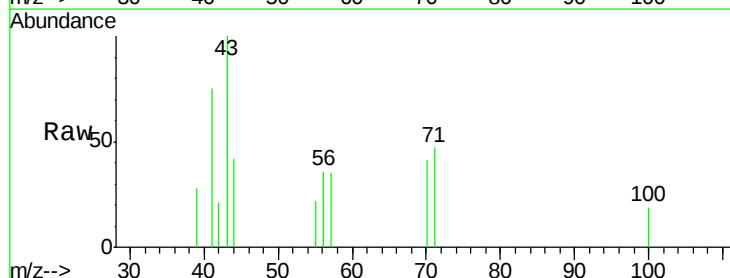
Acq: 29 Oct 2015 18:23

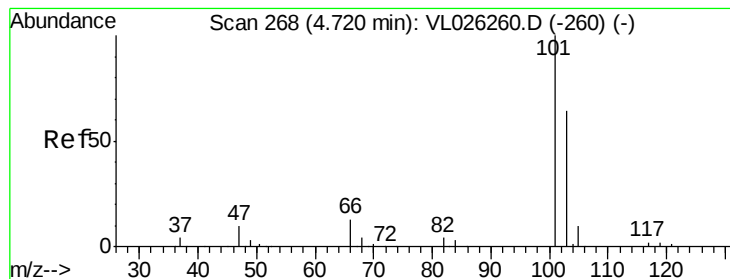
Tgt Ion: 43 Resp: 5430

Ion Ratio Lower Upper

43 100

57 47.8 41.1 61.7





#11

Trichlorofluoromethane

Concen: 0.22 ppbv

RT: 4.73 min Scan# 269

Delta R.T. 0.01 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

Instrument :

MSVOA_L

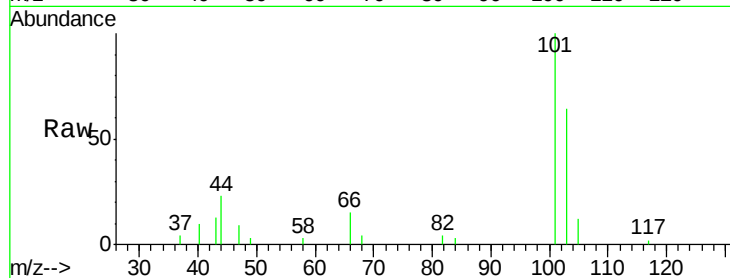
ClientSampled :

Tot Ion:101 Resp: 24942

Ion Ratio Lower Upper

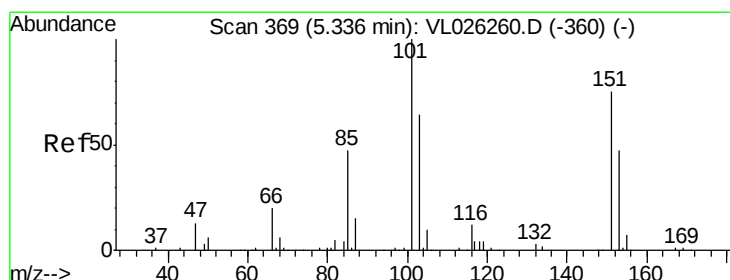
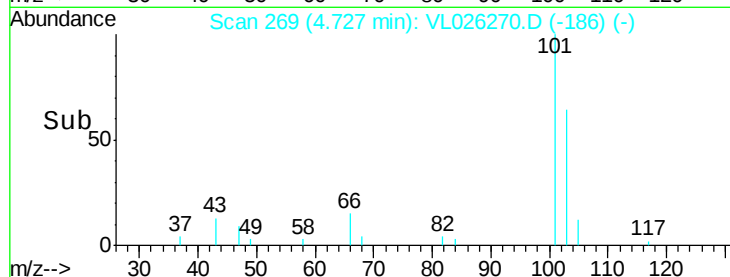
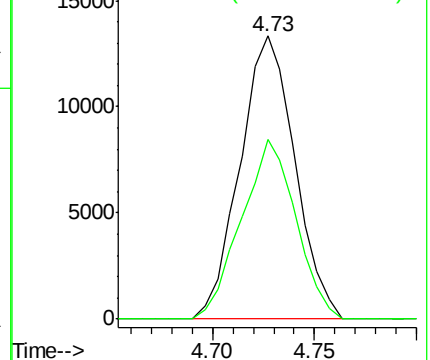
101 100

103 63.6 51.4 77.0



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# 370

Delta R.T. 0.01 min

Lab File: VL026270.D

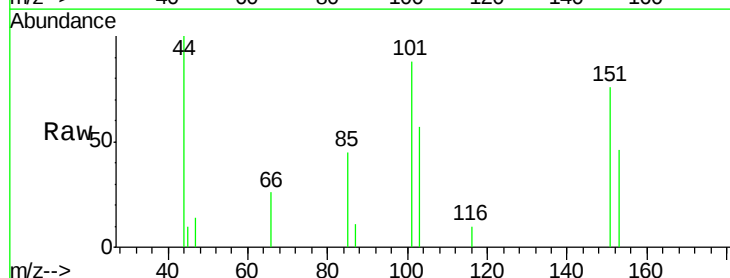
Acq: 29 Oct 2015 18:23

Tgt Ion:101 Resp: 5272

Ion Ratio Lower Upper

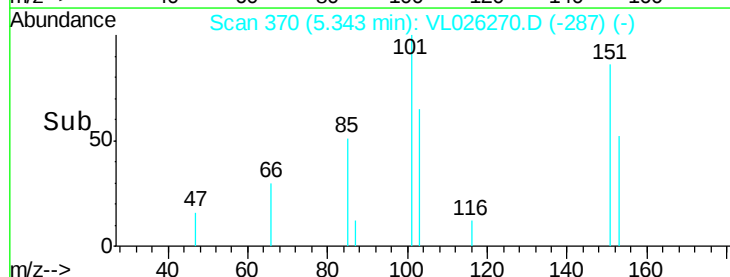
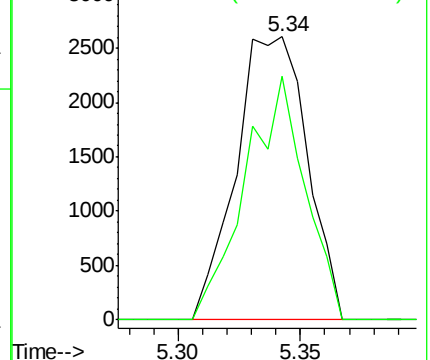
101 100

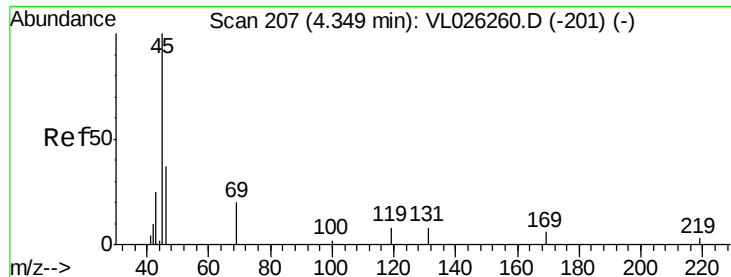
151 71.9 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

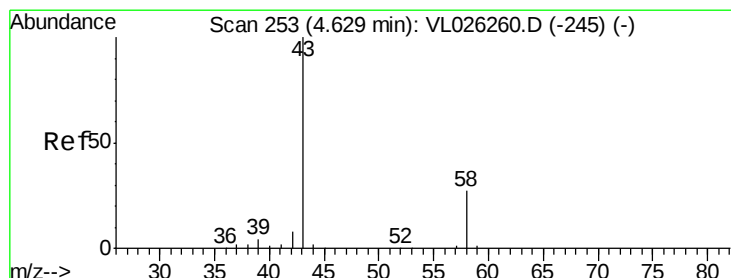
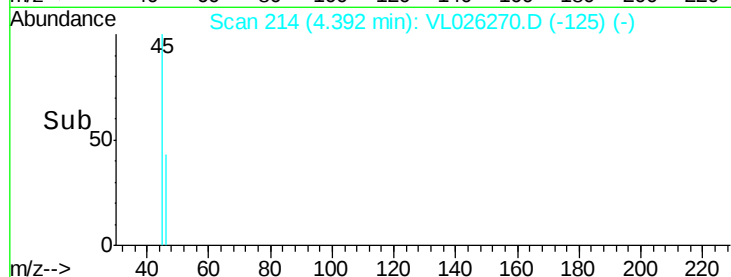
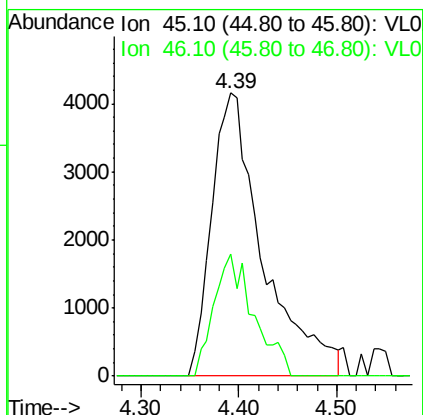
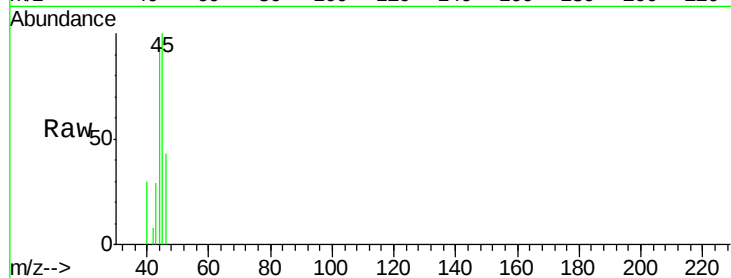




#13
Ethanol
Concen: 2.92 ppbv
RT: 4.39 min Scan# 214
Delta R.T. 0.04 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

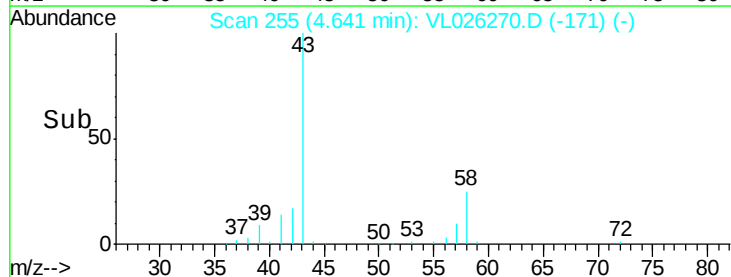
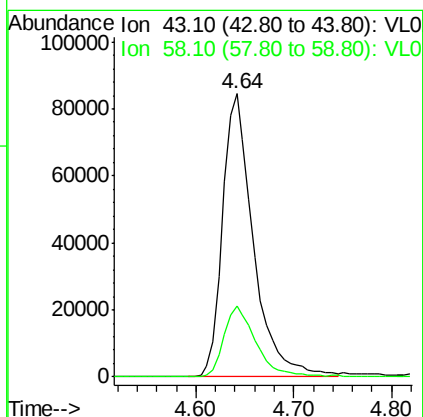
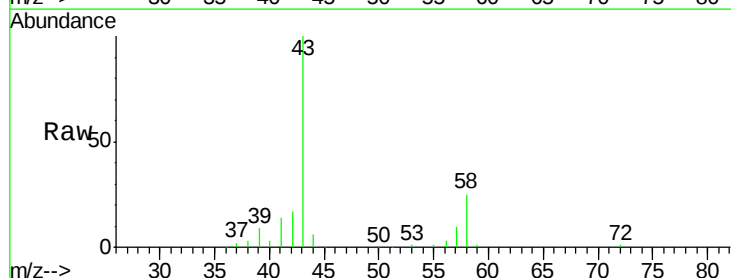
Instrument :
MSVOA_L
ClientSampleId :

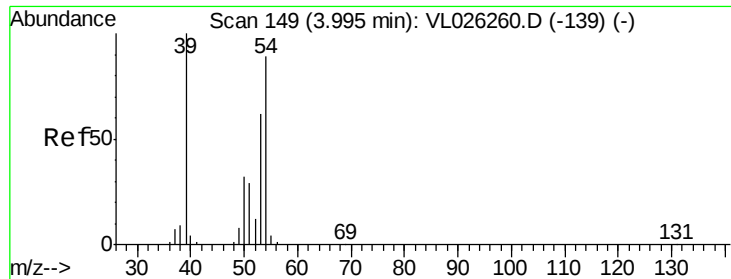
Tot Ion: 45 Resp: 15121
Ion Ratio Lower Upper
45 100
46 33.3 17.0 68.0



#15
Acetone
Concen: 2.45 ppbv
RT: 4.64 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

Tgt Ion: 43 Resp: 185087
Ion Ratio Lower Upper
43 100
58 26.2 22.3 33.5

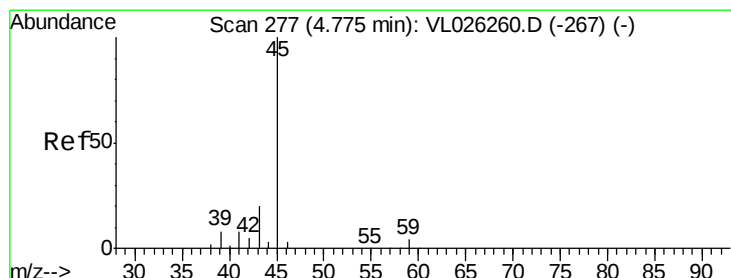
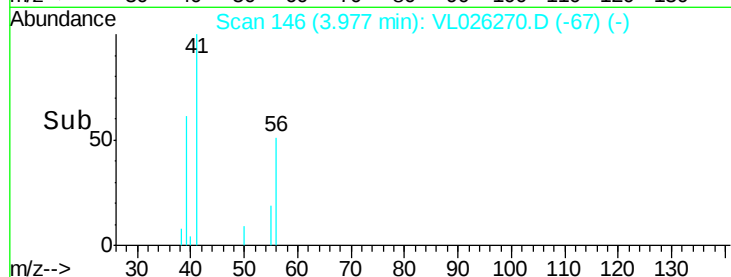
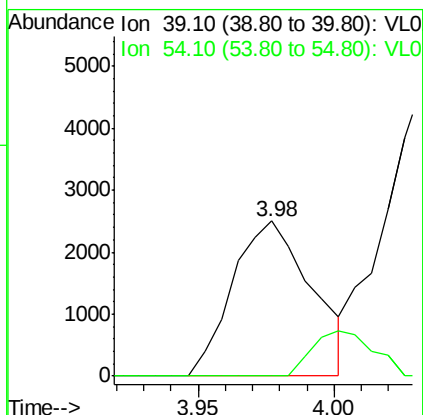
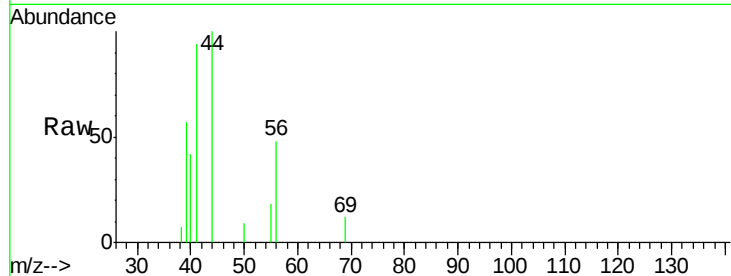




#16
 1,3-Butadiene
 Concen: 0.13 ppbv
 RT: 3.98 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VL026270.D
 Acq: 29 Oct 2015 18:23

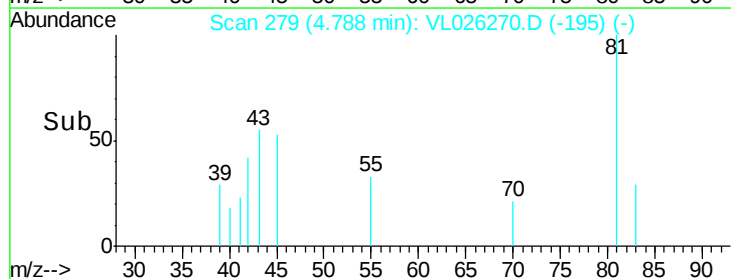
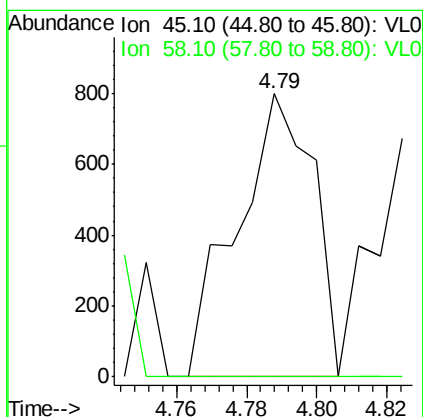
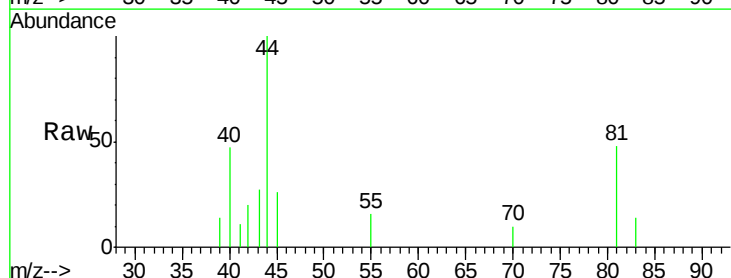
Instrument :
 MSVOA_L
 ClientSampleId :

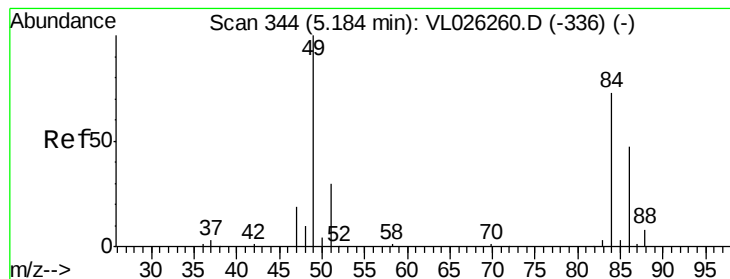
Tot Ion: 39 Resp: 5035
 Ion Ratio Lower Upper
 39 100
 54 22.6 67.3 100.9#



#19
 Isopropyl Alcohol
 Concen: 0.04 ppbv
 RT: 4.79 min Scan# 279
 Delta R.T. 0.01 min
 Lab File: VL026270.D
 Acq: 29 Oct 2015 18:23

Tgt Ion: 45 Resp: 1205
 Ion Ratio Lower Upper
 45 100
 58 0.0 43.8 65.8#





#20

Methylene Chloride

Concen: 0.63 ppbv

RT: 5.18 min Scan# 344

Delta R.T. 0.00 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 84 Resp: 20630

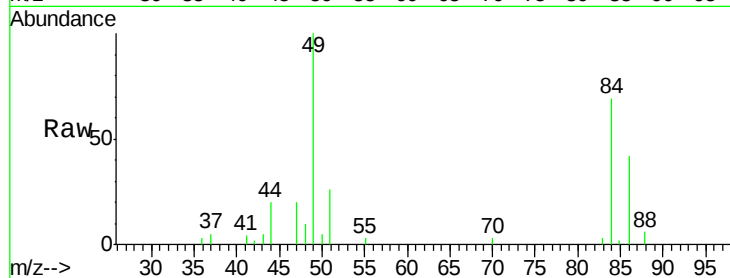
Ion Ratio Lower Upper

84 100

49 145.1 109.0 163.4

51 37.8 32.8 49.2

86 61.1 50.8 76.2

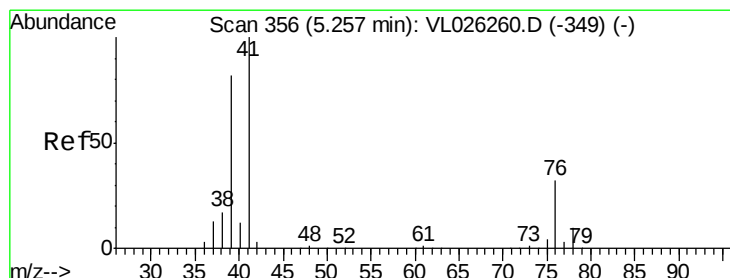
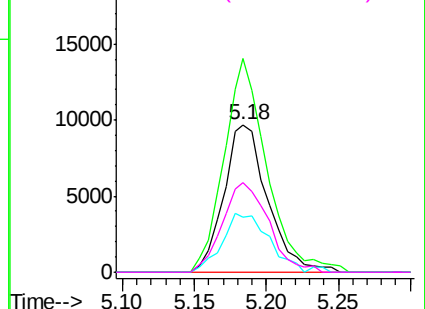
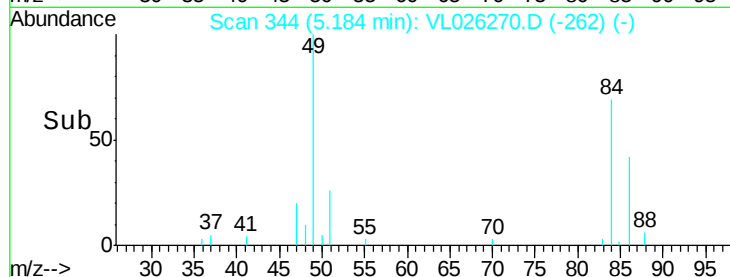


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#21

Allyl Chloride

Concen: 0.03 ppbv

RT: 5.21 min Scan# 348

Delta R.T. -0.05 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

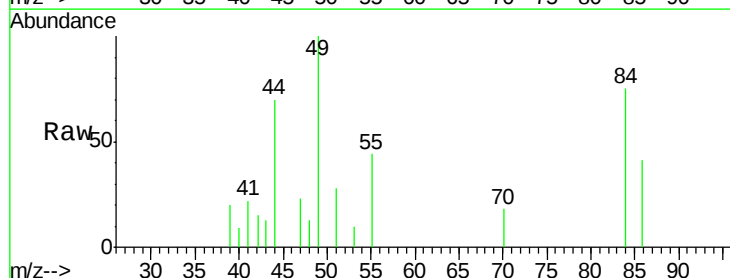
Tgt Ion: 41 Resp: 1520

Ion Ratio Lower Upper

41 100

76 0.0 25.9 38.9#

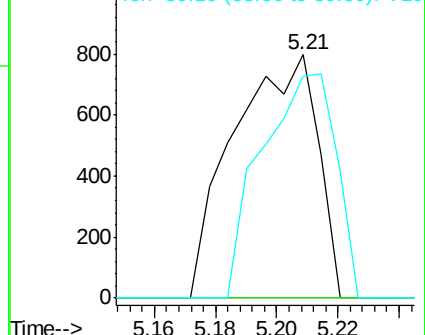
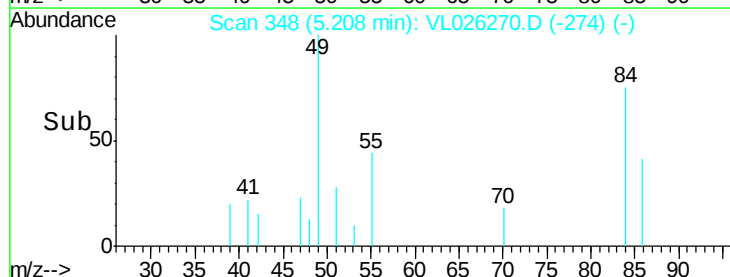
39 81.7 65.8 98.6

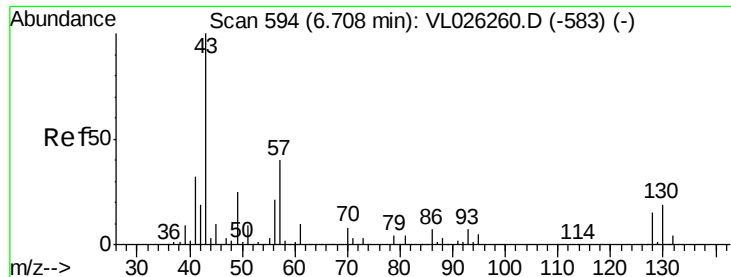


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#25

Ethyl Acetate

Concen: 0.06 ppbv

RT: 6.69 min Scan# 591

Delta R.T. -0.02 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 8703

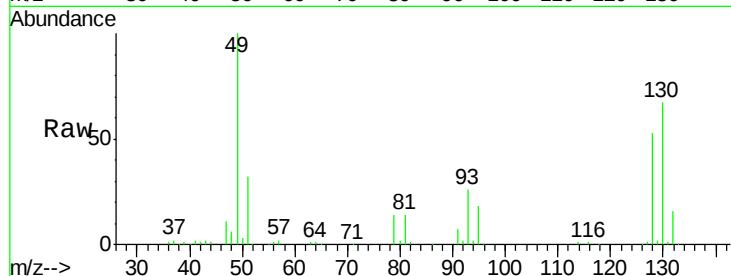
Ion Ratio Lower Upper

43 100

45 0.0 7.6 11.4#

61 0.0 7.4 11.2#

70 0.0 6.7 10.1#

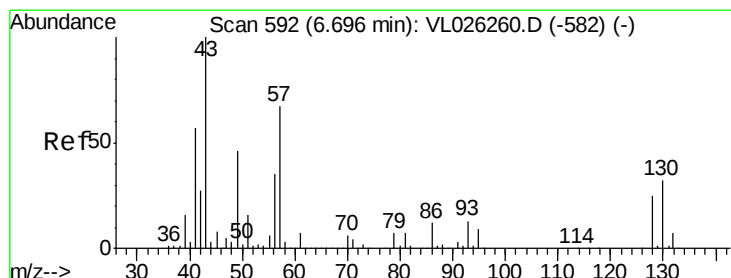
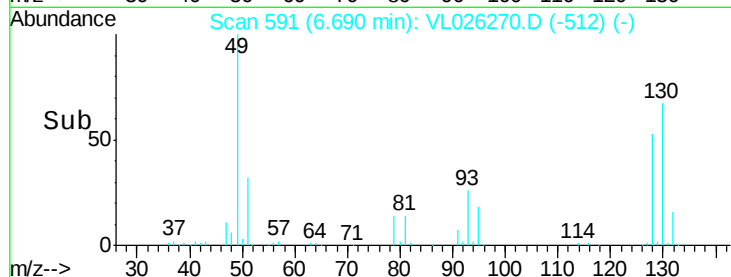
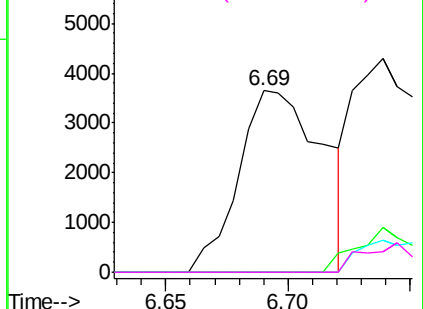


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.14 ppbv

RT: 6.69 min Scan# 591

Delta R.T. -0.01 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

Tgt Ion: 57 Resp: 11098

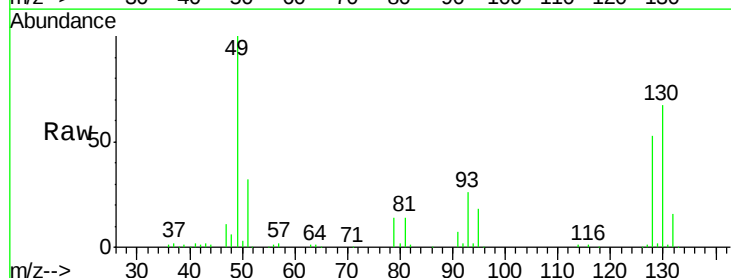
Ion Ratio Lower Upper

57 100

41 88.2 67.4 101.2

43 168.5 163.9 245.9

56 54.9 42.2 63.2

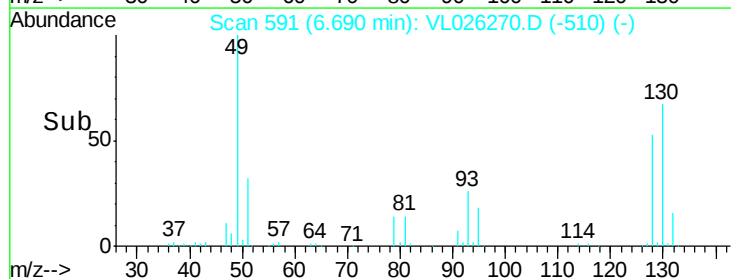
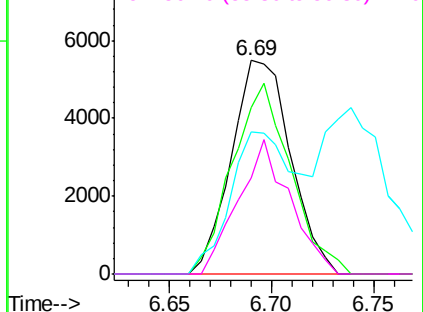


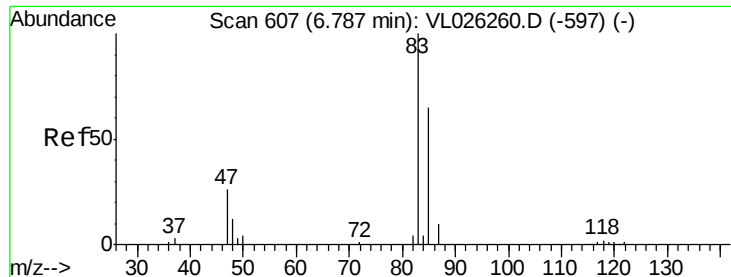
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

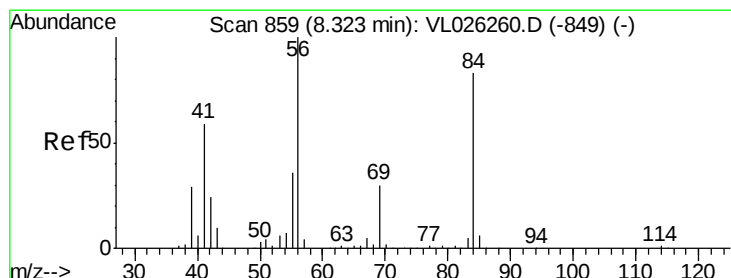
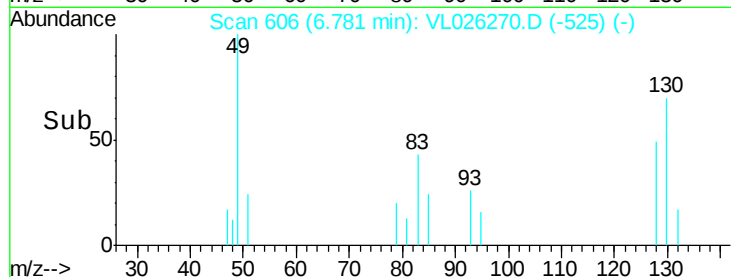
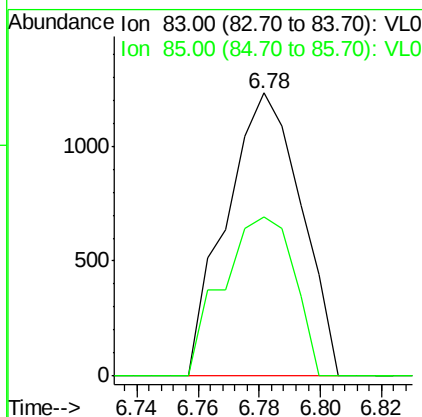
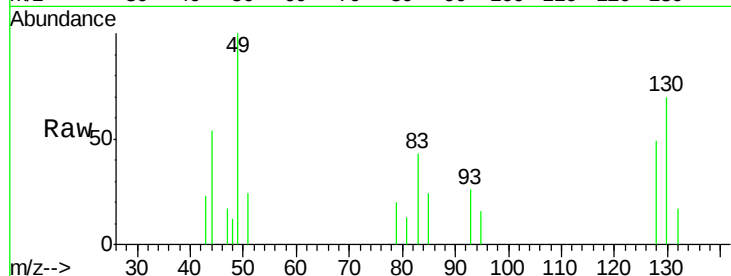




#29
Chloroform
Concen: 0.02 ppbv
RT: 6.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

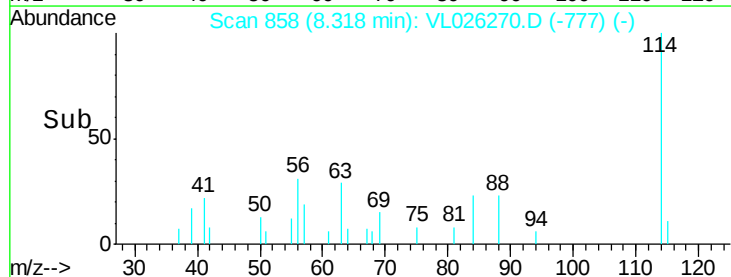
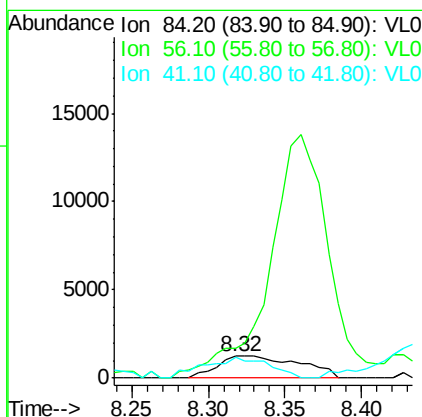
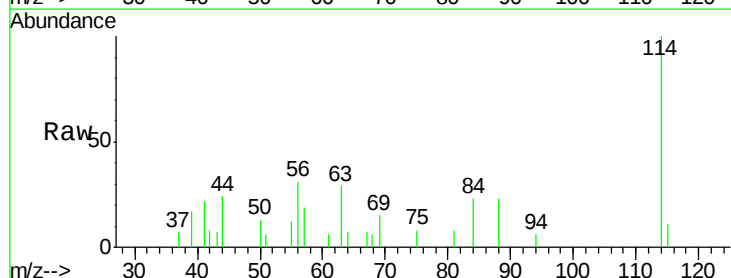
Instrument :
MSVOA_L
ClientSampleId :

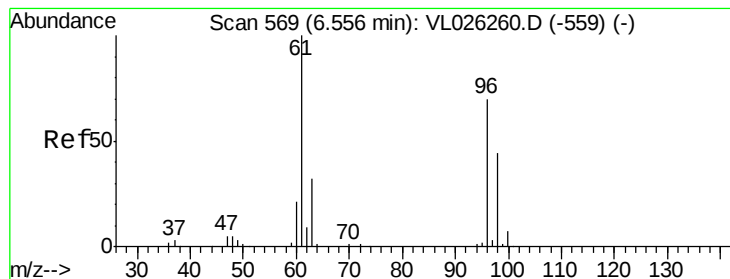
Tot Ion: 83 Resp: 2083
Ion Ratio Lower Upper
83 100
85 56.3 52.0 78.0



#30
Cyclohexane
Concen: 0.06 ppbv
RT: 8.32 min Scan# 858
Delta R.T. -0.01 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

Tgt Ion: 84 Resp: 4705
Ion Ratio Lower Upper
84 100
56 840.4 99.6 149.4#
41 79.0 56.7 85.1





#31

cis-1,2-Dichloroethene

Concen: 0.02 ppbv

RT: 6.74 min Scan# 599

Delta R.T. 0.18 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

Instrument :

MSVOA_L

ClientSampleId :

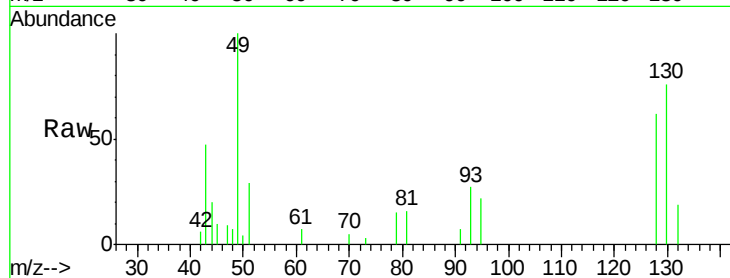
Tot Ion: 61 Resp: 1108

Ion Ratio Lower Upper

61 100

96 0.0 56.2 84.4#

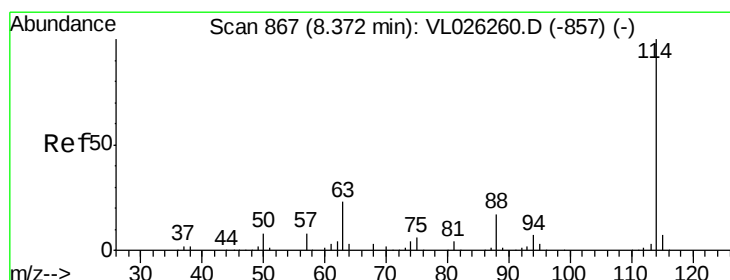
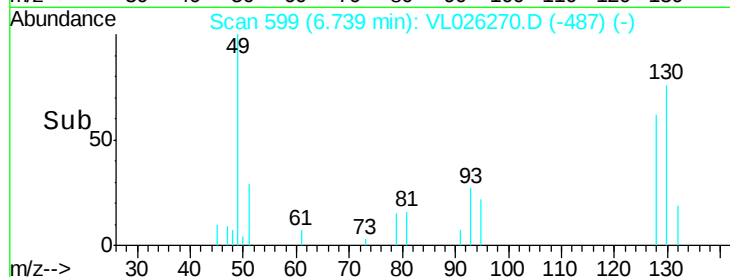
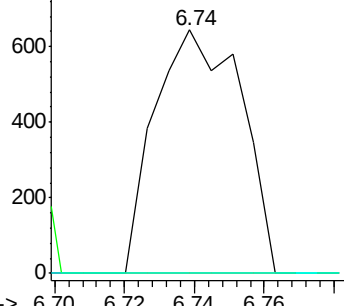
98 0.0 35.4 53.2#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.36 min Scan# 865

Delta R.T. -0.01 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

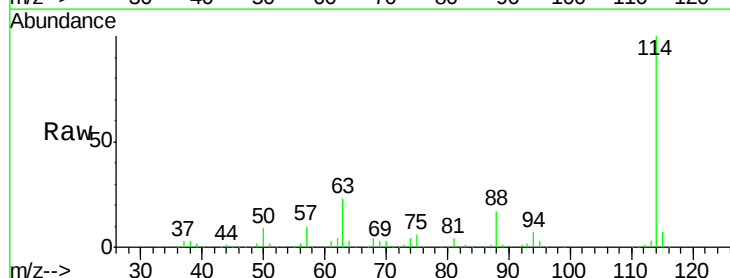
Tgt Ion: 114 Resp: 1542444

Ion Ratio Lower Upper

114 100

63 22.9 18.6 28.0

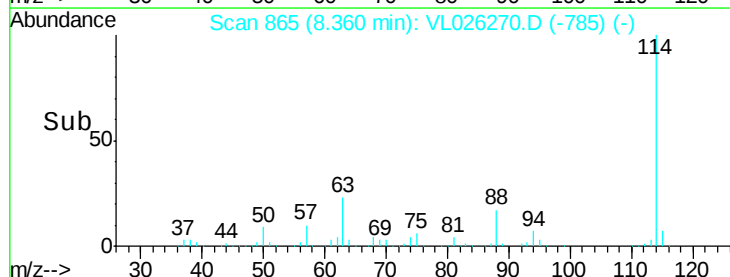
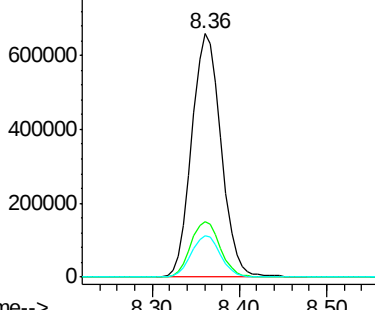
88 16.9 13.4 20.2

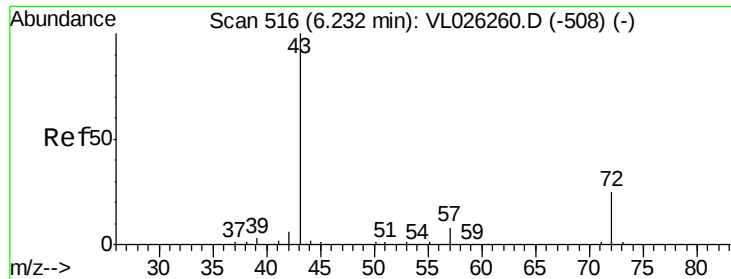


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

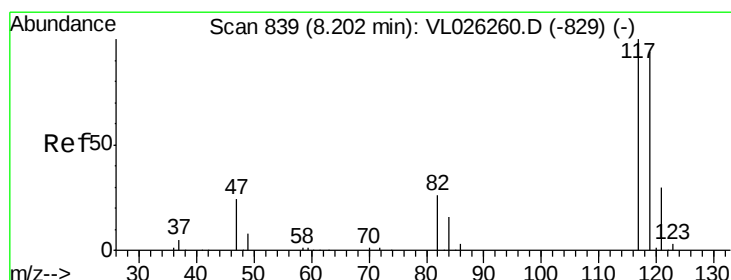
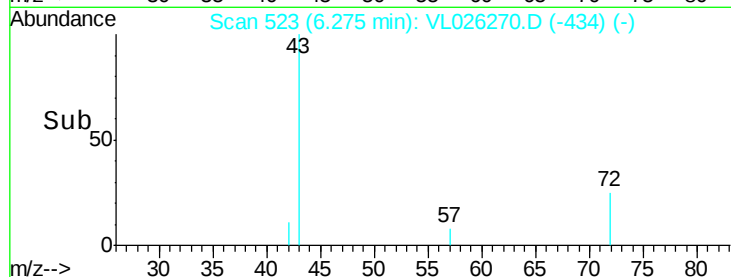
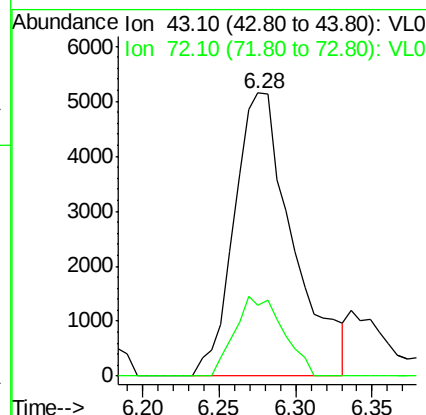
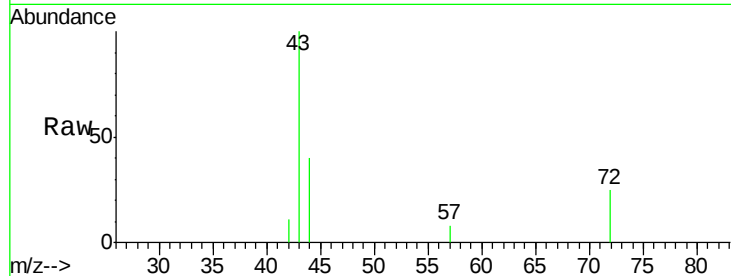




#34
2-Butanone
Concen: 0.15 ppbv
RT: 6.28 min Scan# 523
Delta R.T. 0.04 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

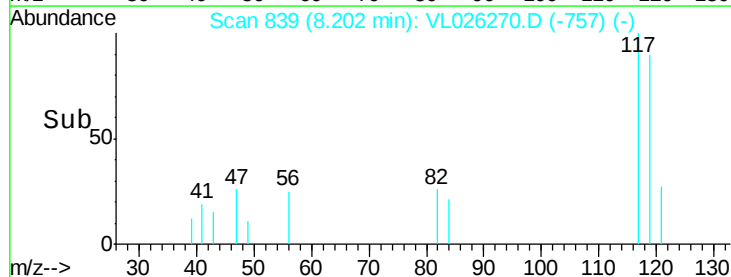
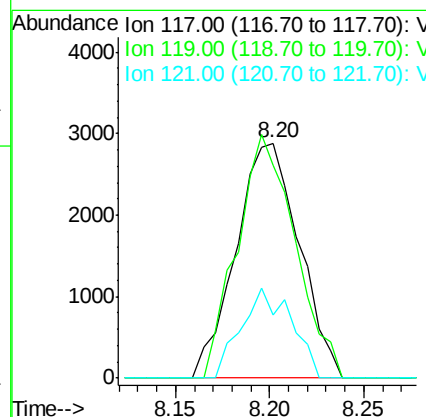
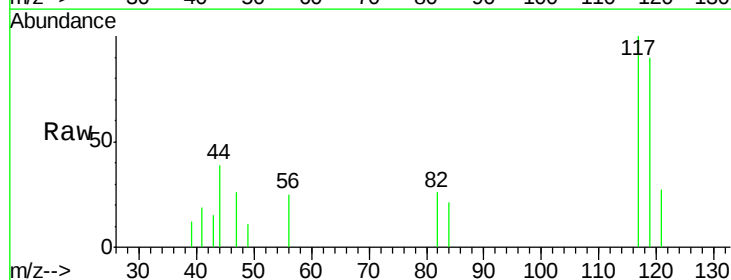
Instrument :
MSVOA_L
ClientSampleId :

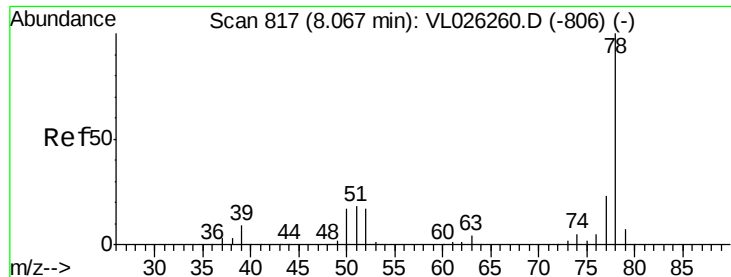
Tot Ion: 43 Resp: 13716
Ion Ratio Lower Upper
43 100
72 23.1 19.9 29.9



#35
Carbon Tetrachloride
Concen: 0.06 ppbv
RT: 8.20 min Scan# 839
Delta R.T. 0.00 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

Tgt Ion: 117 Resp: 6716
Ion Ratio Lower Upper
117 100
119 90.4 75.2 112.8
121 26.8 24.2 36.2

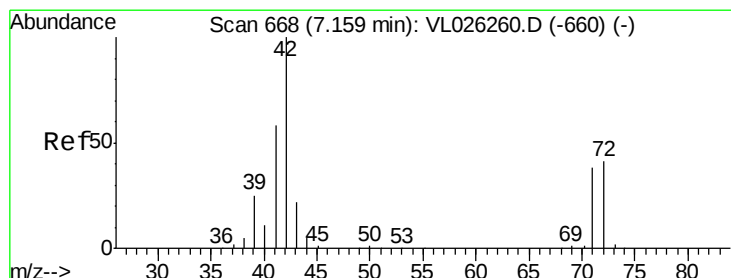
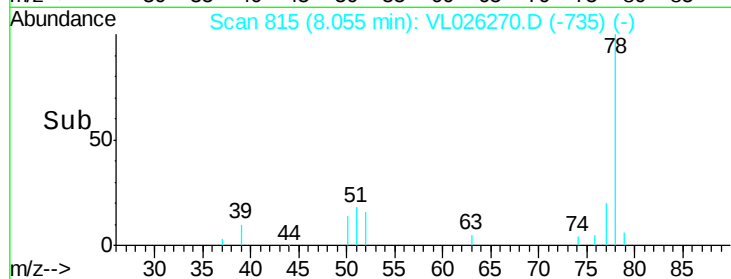
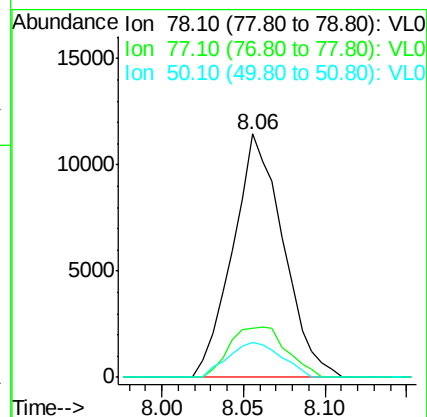
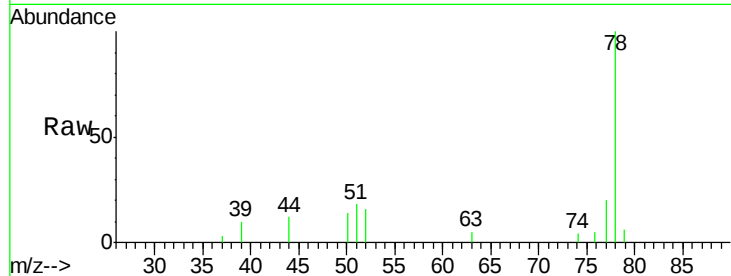




#36
Benzene
Concen: 0.15 ppbv
RT: 8.06 min Scan# 815
Delta R.T. -0.01 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

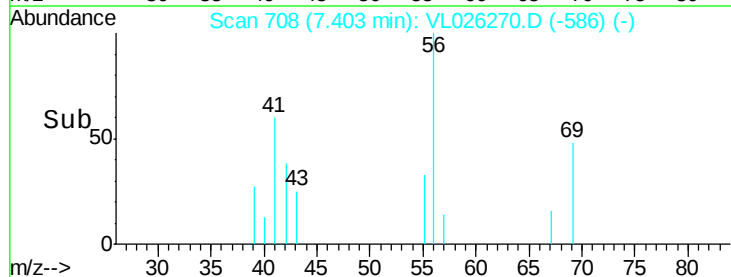
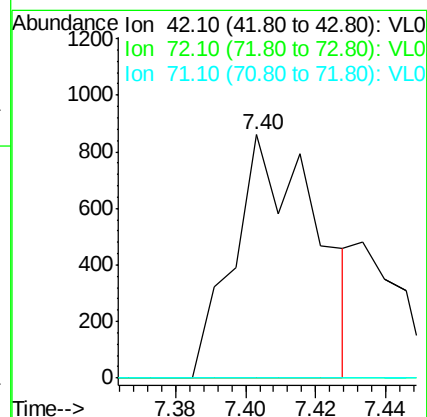
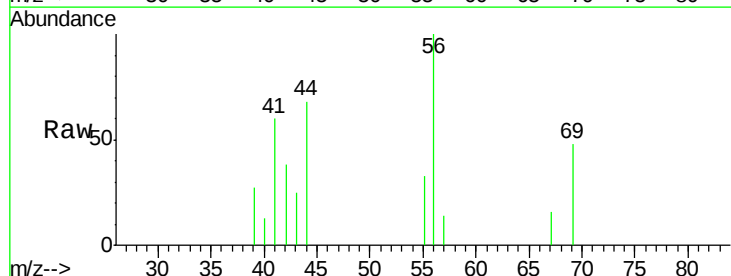
Instrument :
MSVOA_L
ClientSampled :

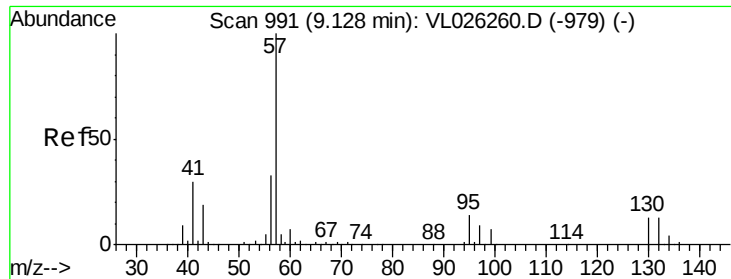
Tot Ion: 78 Resp: 24696
Ion Ratio Lower Upper
78 100
77 20.2 18.0 27.0
50 14.1 13.3 19.9



#41
Tetrahydrofuran
Concen: 0.03 ppbv
RT: 7.40 min Scan# 708
Delta R.T. 0.24 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

Tgt Ion: 42 Resp: 1418
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.4#
71 0.0 30.4 45.6#





#44

2,2,4-Trimethylpentane

Concen: 0.07 ppbv

RT: 9.12 min Scan# 990

Delta R.T. -0.01 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

Instrument :

MSVOA_L

ClientSampleId :

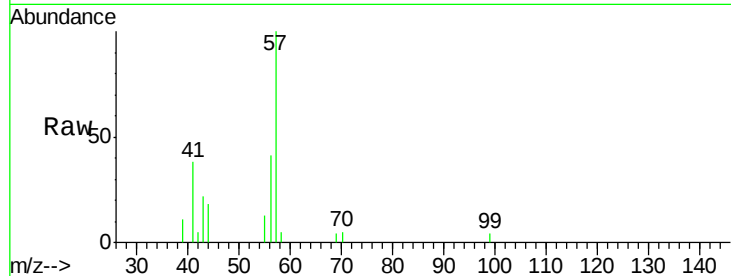
Tot Ion: 57 Resp: 19444

Ion Ratio Lower Upper

57 100

41 37.3 23.1 34.7#

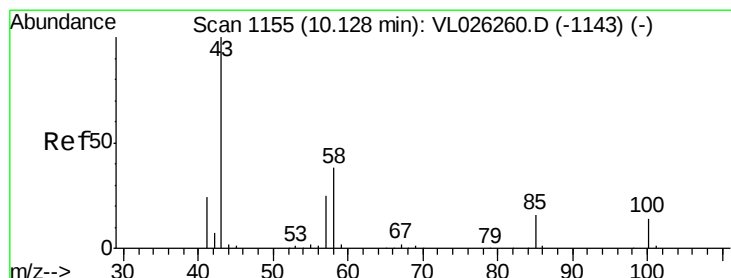
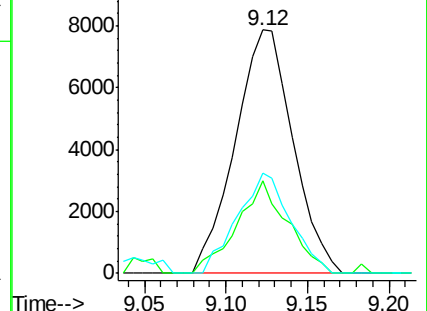
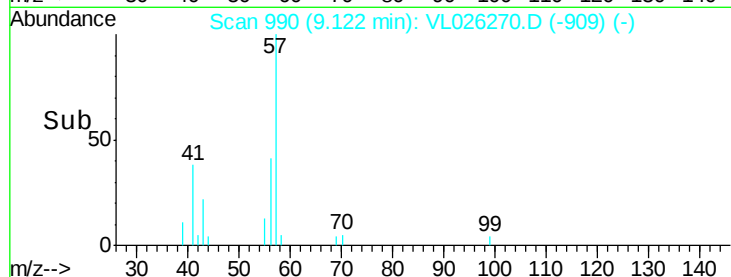
56 42.3 26.3 39.5#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#50

4-Methyl-2-Pentanone

Concen: 0.04 ppbv

RT: 10.20 min Scan# 1166

Delta R.T. 0.07 min

Lab File: VL026270.D

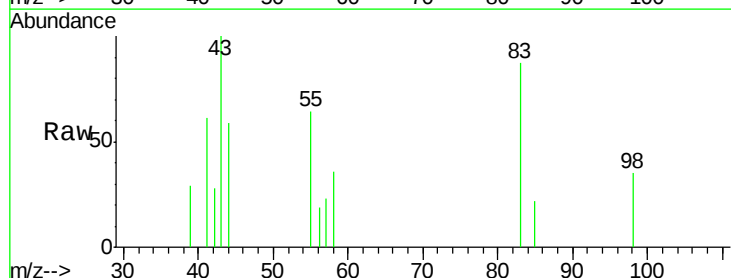
Acq: 29 Oct 2015 18:23

Tgt Ion: 43 Resp: 4799

Ion Ratio Lower Upper

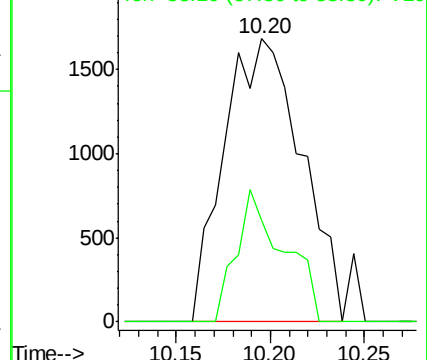
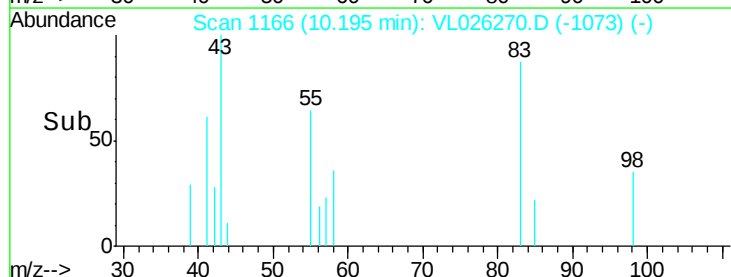
43 100

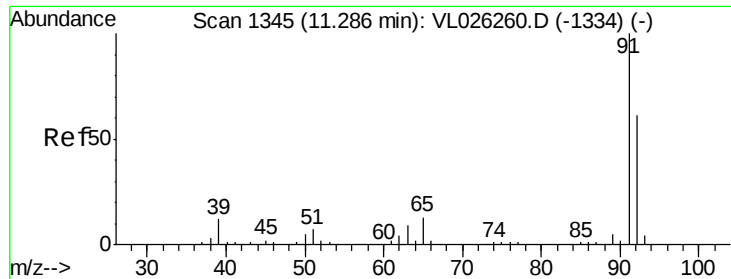
58 28.6 30.5 45.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#53

Toluene

Concen: 0.27 ppbv

RT: 11.27 min Scan# 1343

Delta R.T. -0.01 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

Instrument :

MSVOA_L

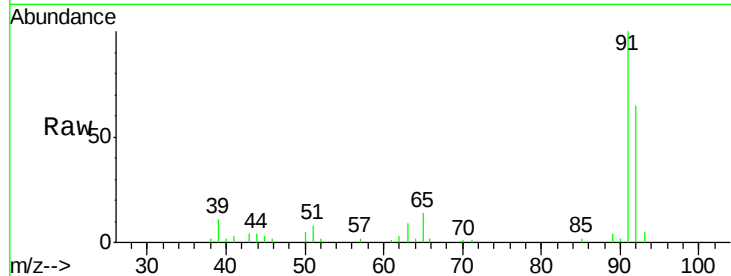
ClientSampled :

Tot Ion: 91 Resp: 57858

Ion Ratio Lower Upper

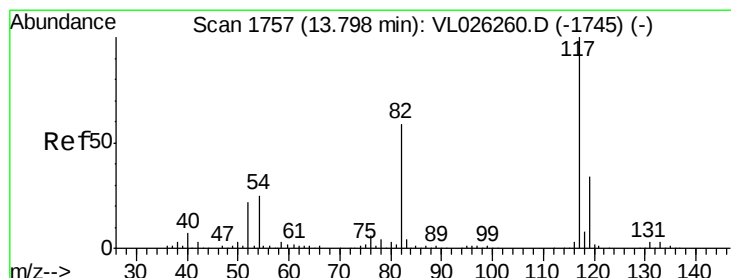
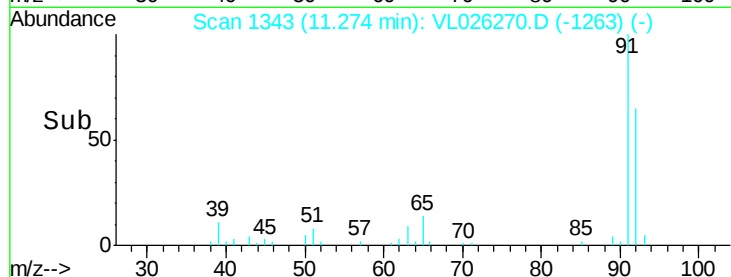
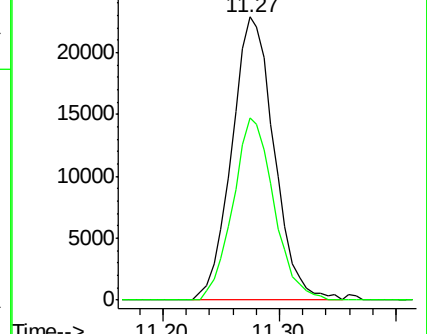
91 100

92 62.2 48.6 73.0



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: 13.79 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

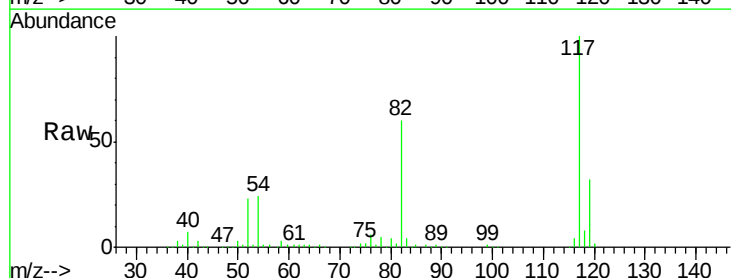
Tgt Ion: 117 Resp: 1533004

Ion Ratio Lower Upper

117 100

82 61.3 48.2 72.4

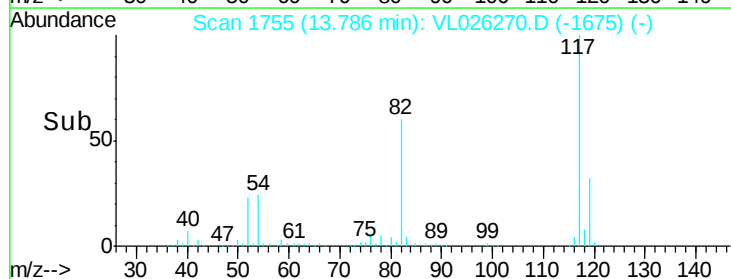
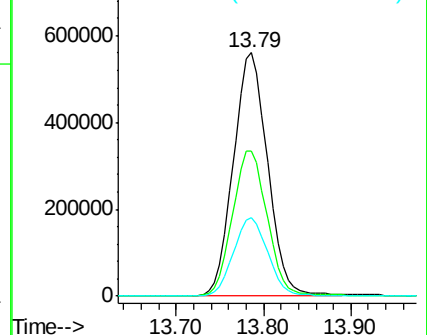
119 32.9 46.2 69.2#

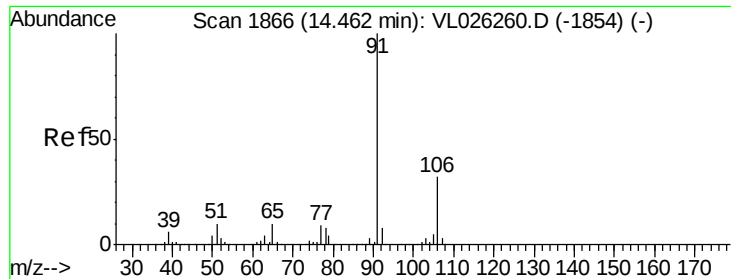


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.04 ppbv

RT: 14.46 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

Instrument :

MSVOA_L

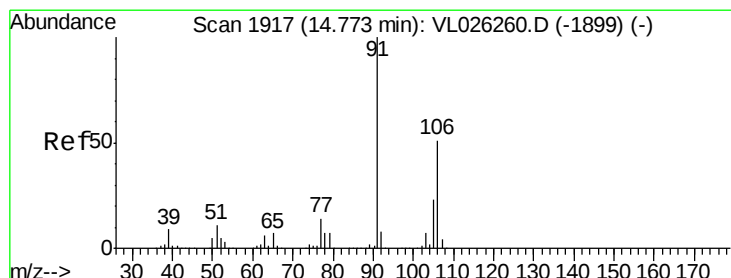
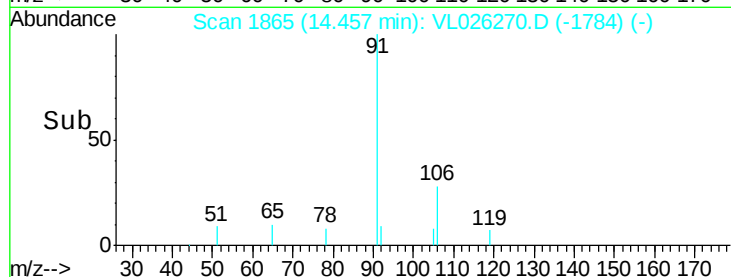
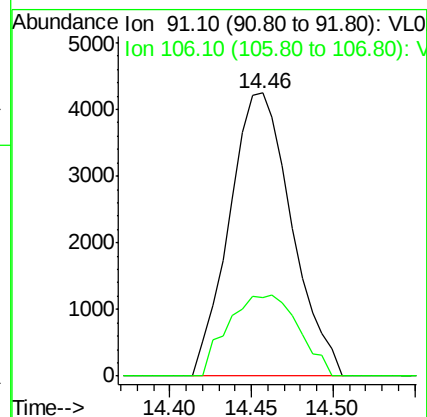
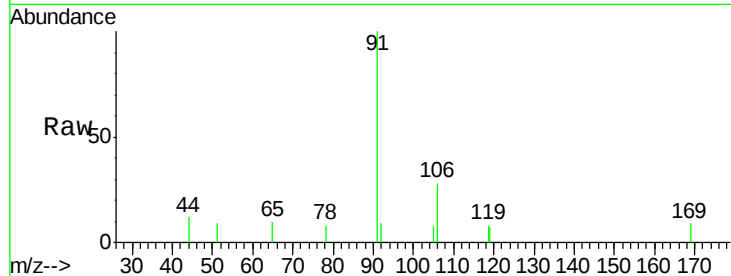
ClientSampleId :

Tot Ion: 91 Resp: 11274

Ion Ratio Lower Upper

91 100

106 27.7 25.7 38.5



#59

m/p-Xylene

Concen: 0.14 ppbv

RT: 14.73 min Scan# 1910

Delta R.T. -0.04 min

Lab File: VL026270.D

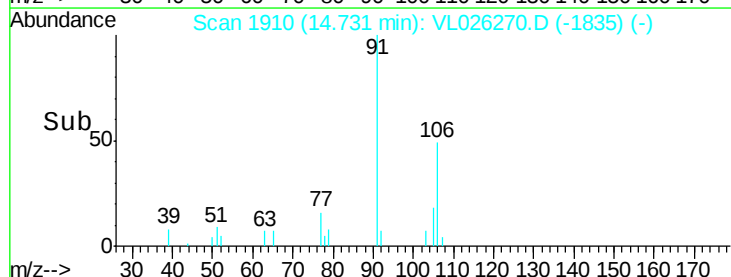
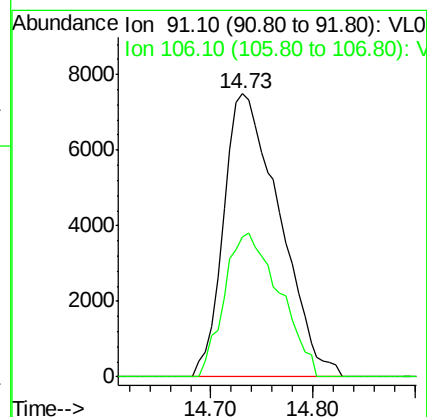
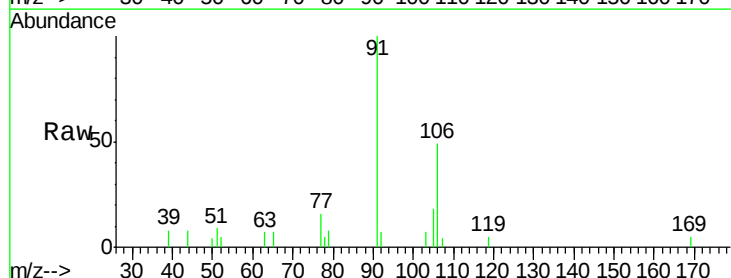
Acq: 29 Oct 2015 18:23

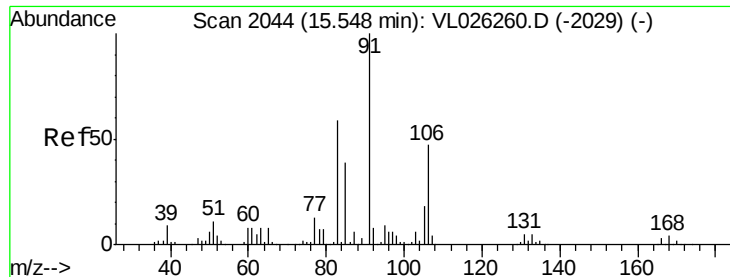
Tgt Ion: 91 Resp: 28564

Ion Ratio Lower Upper

91 100

106 49.9 0.0 0.0#

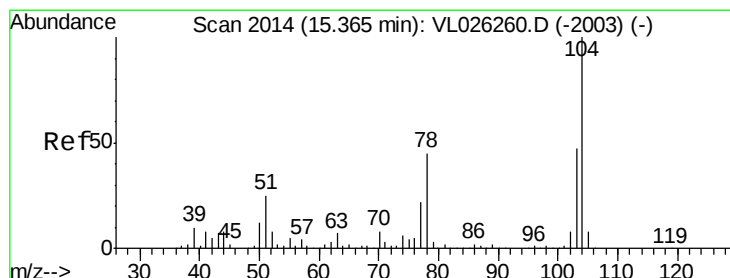
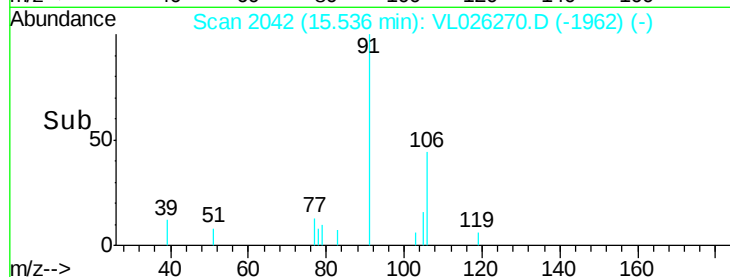
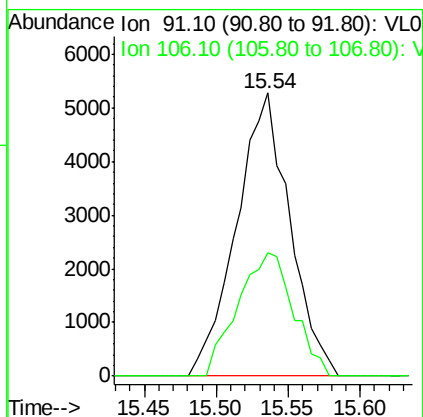
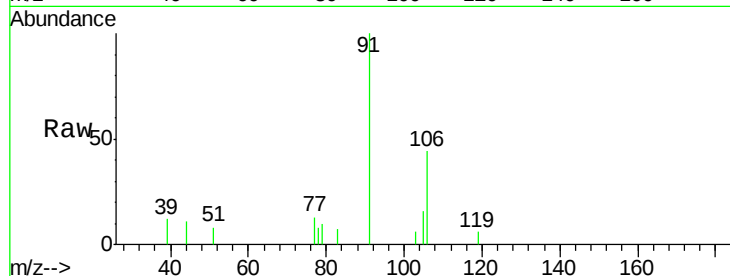




#60
o-Xylene
Concen: 0.07 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

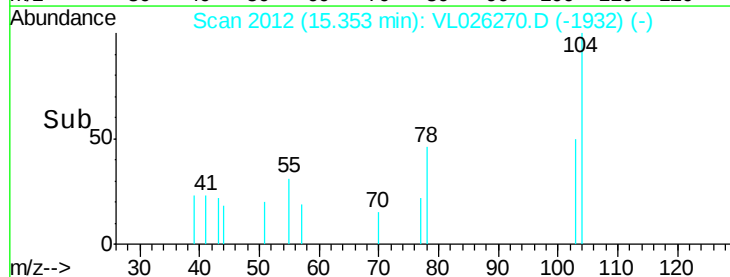
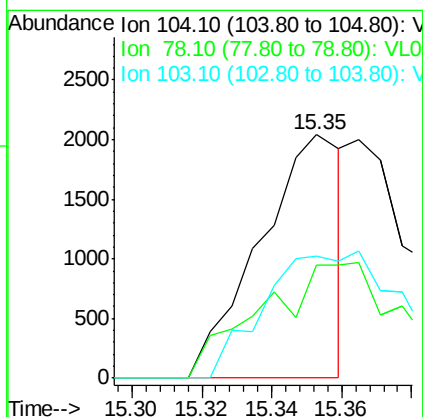
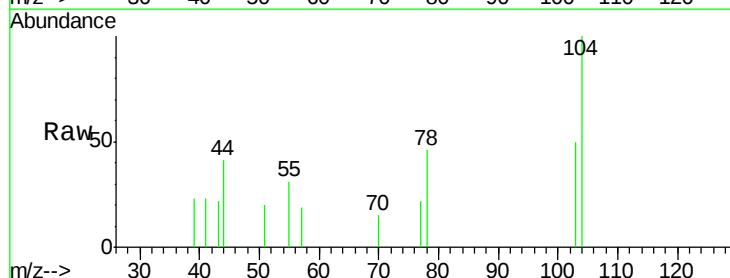
Instrument :
MSVOA_L
ClientSampled :

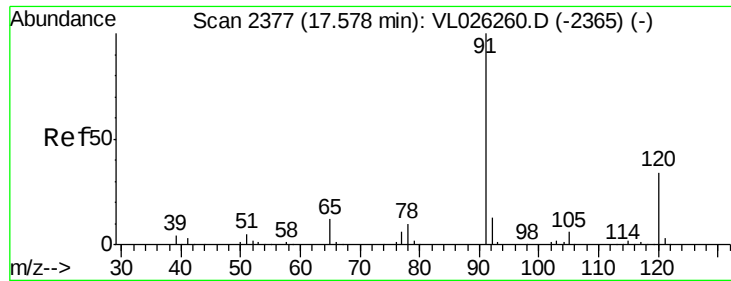
Tot Ion: 91 Resp: 13598
Ion Ratio Lower Upper
91 100
106 45.2 23.6 70.8



#61
Styrene
Concen: 0.04 ppbv
RT: 15.35 min Scan# 2012
Delta R.T. -0.01 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

Tgt Ion: 104 Resp: 3361
Ion Ratio Lower Upper
104 100
78 0.0 35.5 53.3#
103 0.0 37.0 55.6#

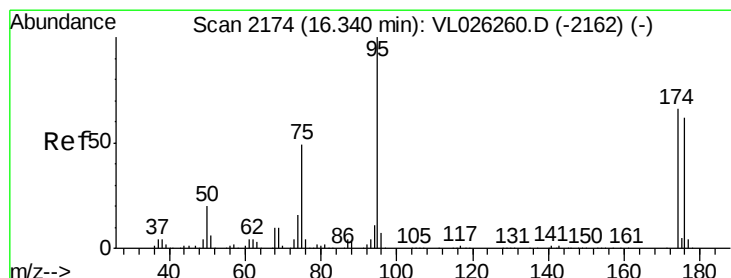
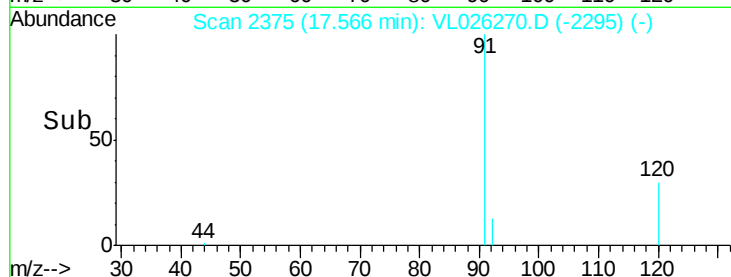
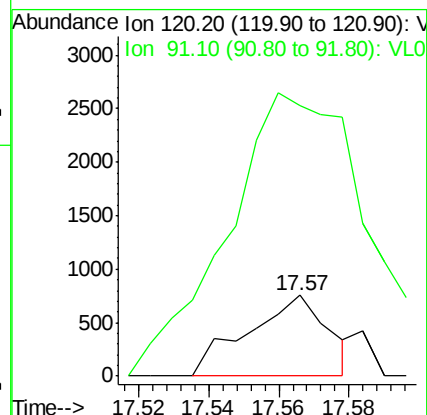
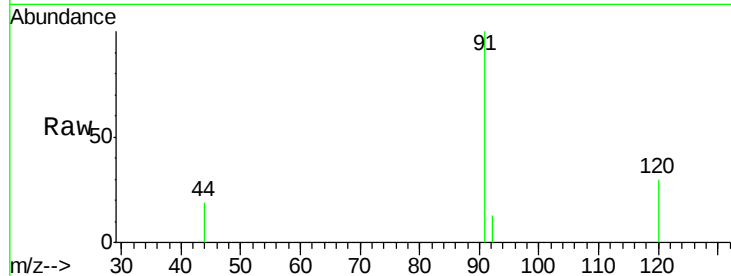




#64
n-propylbenzene
Concen: 0.02 ppbv
RT: 17.57 min Scan# 2375
Delta R.T. -0.01 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

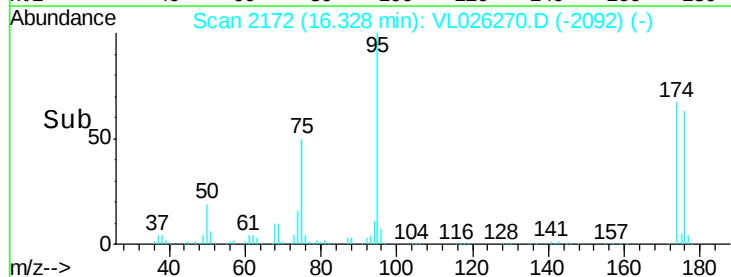
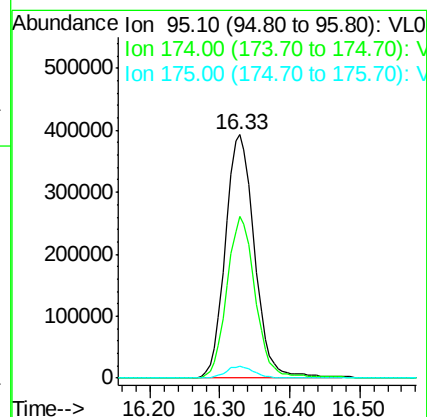
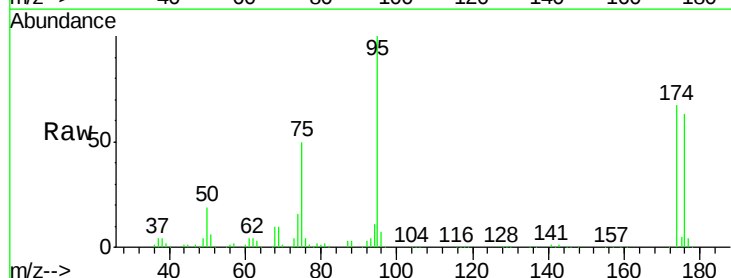
Instrument :
MSVOA_L
ClientSampled :

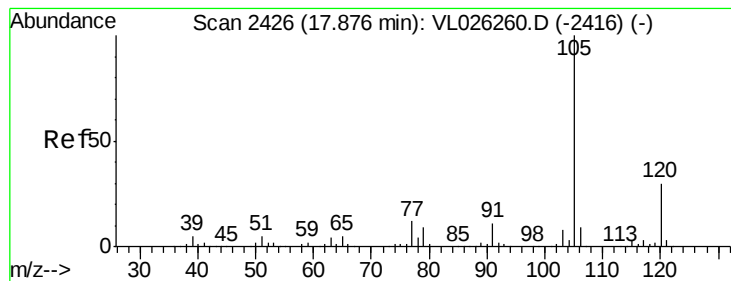
Tot Ion:120 Resp: 1211
Ion Ratio Lower Upper
120 100
91 615.4 340.8 511.2#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.83 ppbv
RT: 16.33 min Scan# 2172
Delta R.T. -0.01 min
Lab File: VL026270.D
Acq: 29 Oct 2015 18:23

Tgt Ion: 95 Resp: 1143000
Ion Ratio Lower Upper
95 100
174 65.2 52.9 79.3
175 4.7 3.8 5.8





#72

4-Ethyltoluene

Concen: 0.04 ppbv

RT: 17.86 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 9563

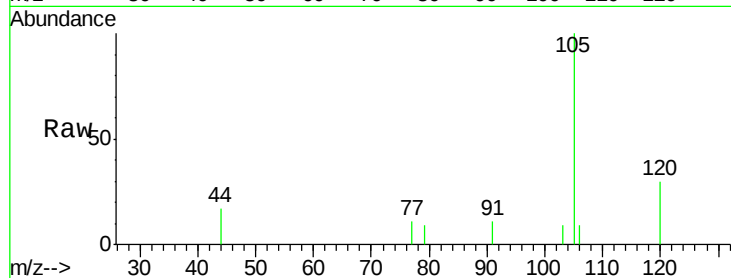
Ion Ratio Lower Upper

105 100

120 27.2 25.1 37.7

91 8.0 9.1 13.7#

77 4.0 9.7 14.5#

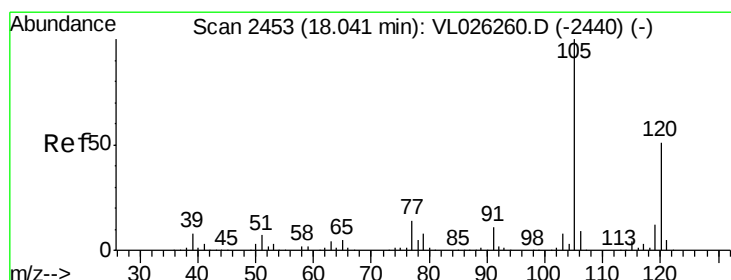
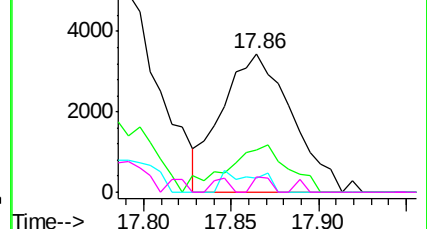
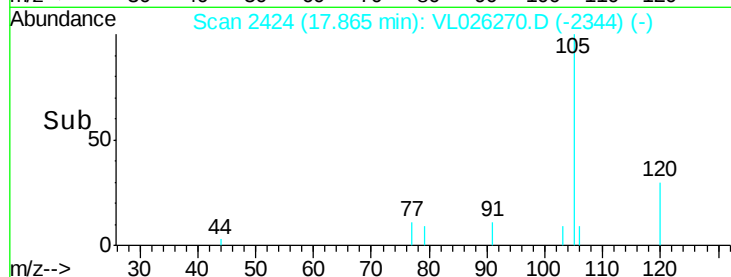


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.02 ppbv

RT: 18.02 min Scan# 2450

Delta R.T. -0.02 min

Lab File: VL026270.D

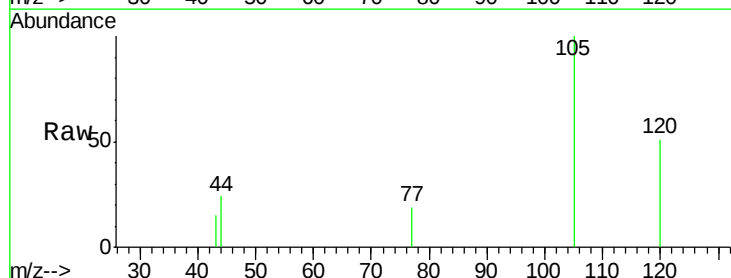
Acq: 29 Oct 2015 18:23

Tgt Ion:105 Resp: 3501

Ion Ratio Lower Upper

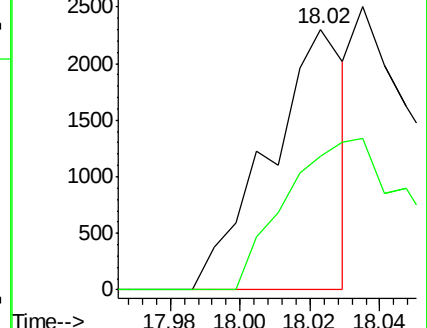
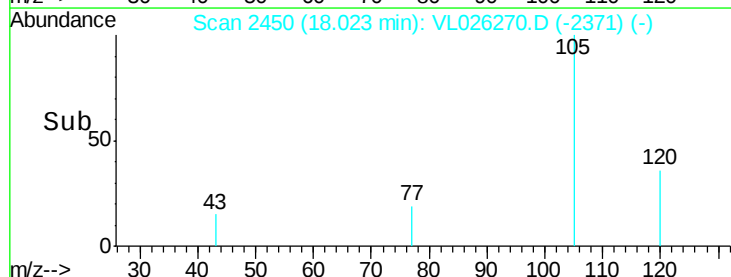
105 100

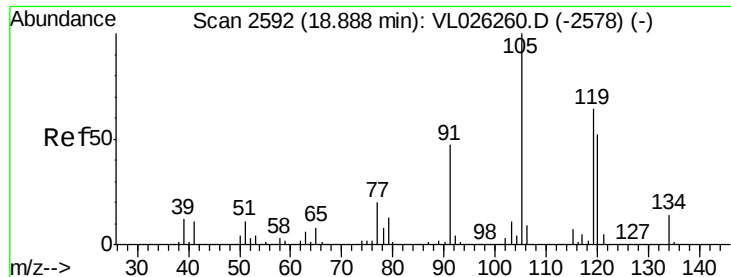
120 51.5 40.6 61.0



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: 0.10 ppbv

RT: 18.88 min Scan# 2590

Delta R.T. -0.01 min

Lab File: VL026270.D

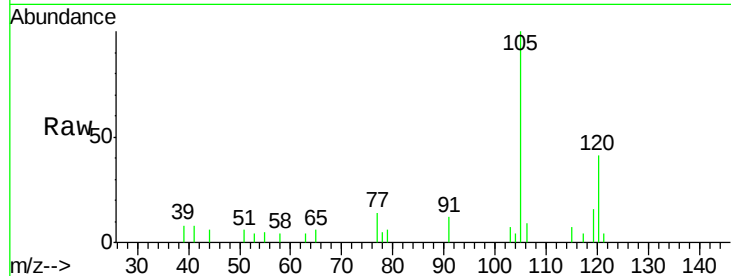
Acq: 29 Oct 2015 18:23

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	23863
Ion	Ratio	Lower	Upper
105	100		
120	41.1	41.2	61.8#
91	12.2	37.8	56.8#
77	14.0	16.1	24.1#



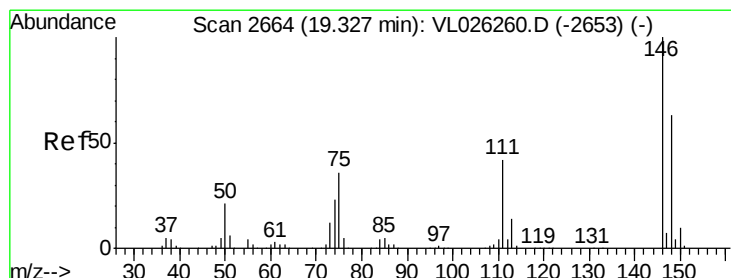
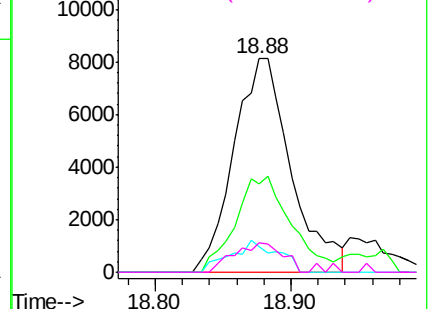
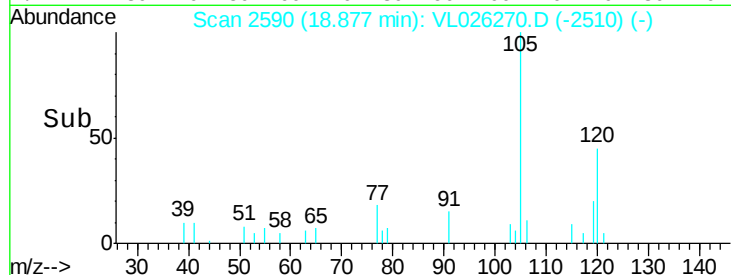
Abundance

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



#76

1,4-Dichlorobenzene

Concen: 0.01 ppbv

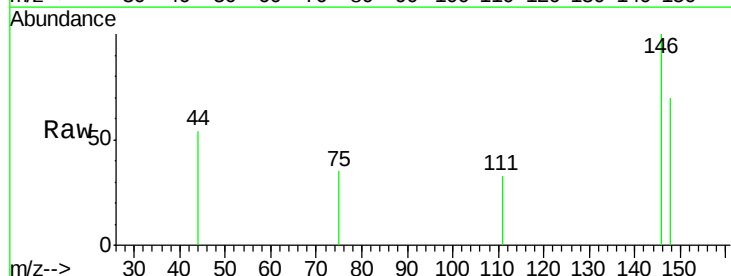
RT: 19.33 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

Tgt Ion:	146	Resp:	2254
Ion	Ratio	Lower	Upper
146	100		
111	23.8	21.1	63.4
148	59.5	31.8	95.3

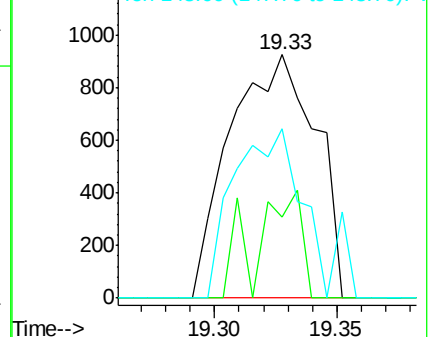
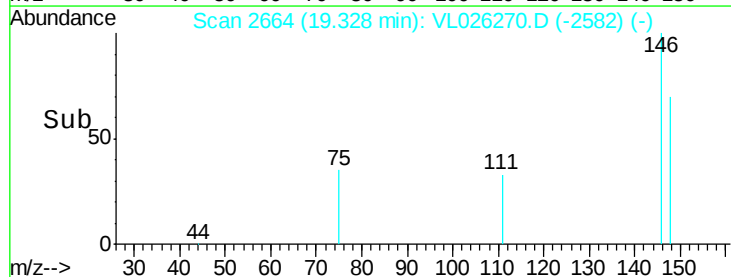


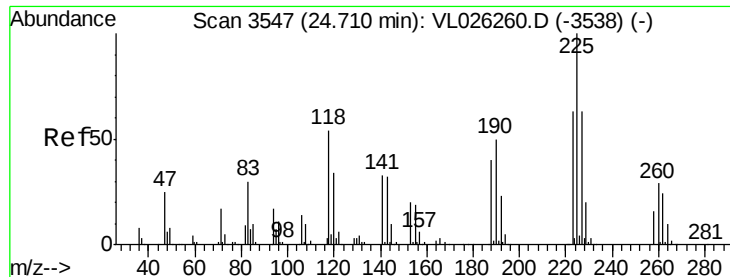
Abundance

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





#78

Hexachloro-1,3-Butadiene

Concen: 0.02 ppbv

RT: 24.70 min Scan# 3546

Delta R.T. -0.01 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

Instrument :

MSVOA_L

ClientSampled :

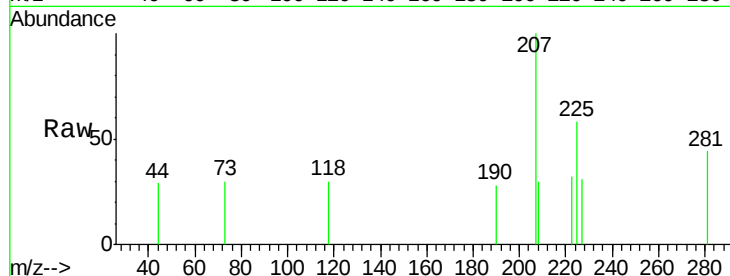
Tot Ion:225 Resp: 1042

Ion Ratio Lower Upper

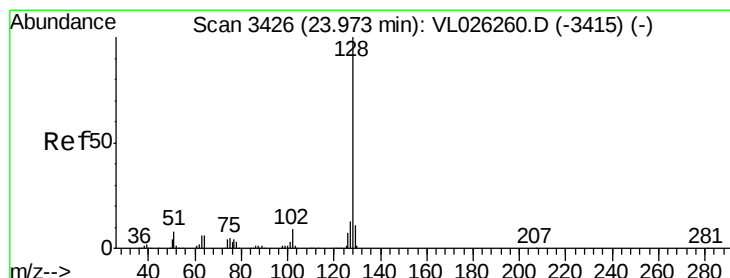
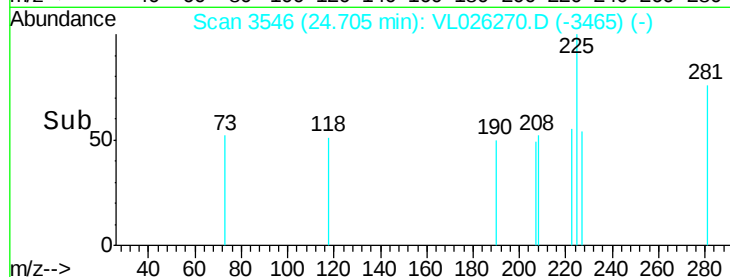
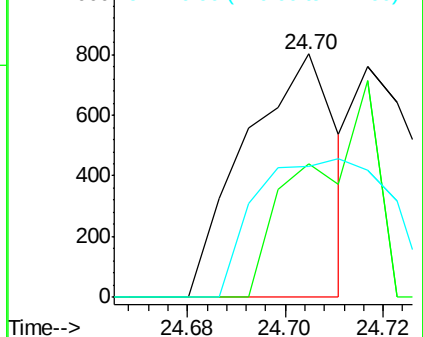
225 100

223 0.0 51.0 76.6#

227 82.9 51.3 76.9#



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 0.04 ppbv

RT: 23.98 min Scan# 3427

Delta R.T. 0.01 min

Lab File: VL026270.D

Acq: 29 Oct 2015 18:23

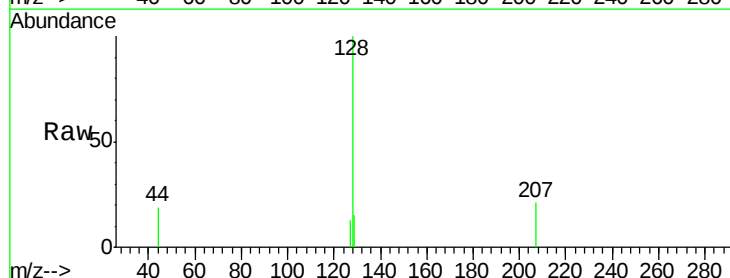
Tgt Ion:128 Resp: 7127

Ion Ratio Lower Upper

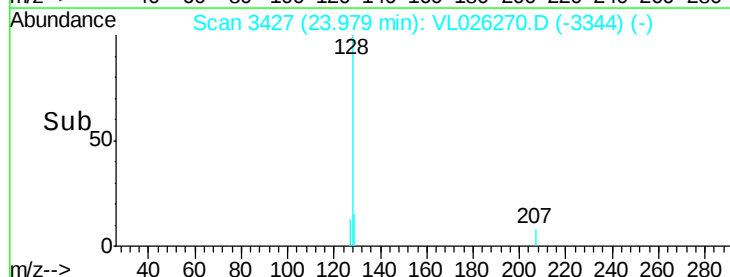
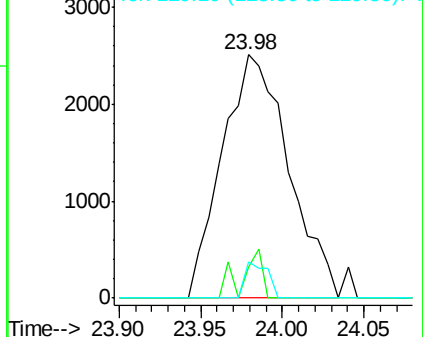
128 100

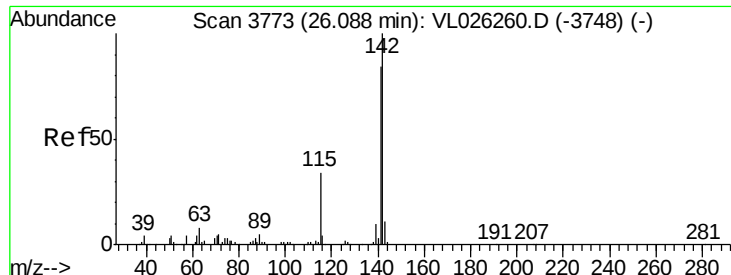
127 13.0 10.1 15.1

129 15.0 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





#80
 Naphthalene, 2-methyl-
 Concen: 0.06 ppbv
 RT: 26.12 min Scan# 3778
 Delta R.T. 0.03 min
 Lab File: VL026270.D
 Acq: 29 Oct 2015 18:23

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.0	66.1	99.1
115	0.0	28.1	42.1

