

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026184.D
 Acq On : 9 Oct 2015 20:15
 Operator : SY/MD
 Sample : G3973-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 10 00:13:57 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	803829	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.41	114	755324	10.00	ppbv	0.07
55) Chlorobenzene-d5	14.08	117	496981	10.00	ppbv	0.32

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.68	95	796	0.02	ppbv	0.38
Spiked Amount	10.000	Range	65 - 135	Recovery	=	0.20%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.64	85	47692	0.32	ppbv	96
3) Chlorodifluoromethane	3.57	51	267916	2.85	ppbv #	79
4) Chloromethane	3.75	50	10965	0.21	ppbv	96
6) Bromomethane	4.15	94	3995	0.10	ppbv	86
9) Propene	3.59	41	232617	5.40	ppbv	97
10) Heptane	9.52	43	104501	0.70	ppbv #	1
11) Trichlorofluoromethane	4.70	101	34074	0.23	ppbv	89
12) 1,1,2-Trichlorotrifluoroet	5.32	101	6801	0.07	ppbv	97
13) Ethanol	4.34	45	162936	25.70	ppbv	91
15) Acetone	4.60	43	13765164	132.49	ppbv #	79
16) 1,3-Butadiene	4.00	39	162890	3.39	ppbv #	7
17) tert-Butyl alcohol	5.16	59	66079	1.06	ppbv #	71
19) Isopropyl Alcohol	4.77	45	160743	3.97	ppbv #	94
20) Methylene Chloride	5.16	84	36576	0.83	ppbv #	87
21) Allyl Chloride	5.19	41	3015496	44.47	ppbv #	59
23) Vinyl Acetate	6.07	43	64695039	351.81	ppbv #	4
24) 1,1-Dichloroethane	5.99	63	158879	1.27	ppbv #	85
25) Ethyl Acetate	6.78	43	40140617	199.79	ppbv #	78
26) Hexane	6.78	57	43896967	451.14	ppbv #	46
27) Carbon Disulfide	5.40	76	49260	0.42	ppbv #	1
28) Methyl tert-Butyl Ether	5.97	73	184698	1.18	ppbv #	54
29) Chloroform	6.99	83	27573	0.19	ppbv #	25
30) Cyclohexane	8.42	84	63649896	686.56	ppbv #	64
31) cis-1,2-Dichloroethene	6.46	61	38442	0.43	ppbv #	21
34) 2-Butanone	6.38	43	22092805	525.49	ppbv #	54
36) Benzene	8.12	78	37598107	520.46	ppbv #	49
37) 1,2-Dichloroethane	7.50	62	484615	12.52	ppbv #	1
39) 1,2-Dichloropropane	8.94	63	7554	0.28	ppbv #	1
41) Tetrahydrofuran	7.09	42	5108202	215.72	ppbv #	36
42) Bromodichloromethane	9.23	83	10876144	213.54	ppbv #	30
43) Methyl Methacrylate	9.27	69	27304482	1073.15	ppbv #	1
44) 2,2,4-Trimethylpentane	8.99	57	4268128	35.53	ppbv #	38
45) t-1,3-Dichloropropene	10.76	75	3028	0.09	ppbv #	1
47) 1,1,2-Trichloroethane	10.96	97	1174441	36.48	ppbv #	1
48) Dibromochloromethane	11.91	129	10879	0.24	ppbv #	10
50) 4-Methyl-2-Pentanone	10.47	43	721791	12.98	ppbv #	37
51) 2-Hexanone	11.77	43	44255184	885.43	ppbv #	32
53) Toluene	11.66	91	103075242	1107.25	ppbv #	38
57) Chlorobenzene	14.18	112	4892462	109.07	ppbv #	31
58) Ethyl Benzene	14.77	91	9648278	133.65	ppbv	90
59) m/p-Xylene	15.04	91	13806599	238.33	ppbv #	27

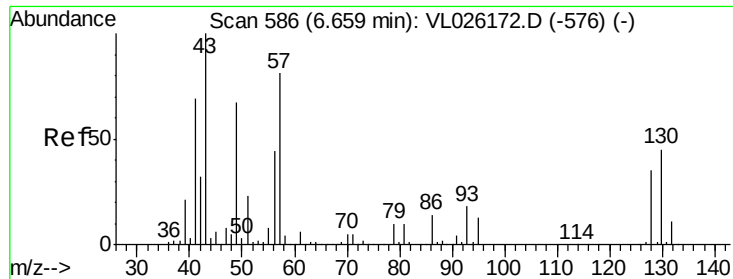
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026184.D
 Acq On : 9 Oct 2015 20:15
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 ClientSampleId :

Quant Time: Oct 10 00:13:57 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)
60) o-Xylene	15.79	91	5597991	92.21	ppbv	100
61) Styrene	15.71	104	236426	9.52	ppbv #	1
62) Isopropylbenzene	16.78	105	67822	0.85	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.86	83	171581	3.80	ppbv #	25
66) Benzyl Chloride	19.57	91	13940	0.66	ppbv #	64
70) n-Butylbenzene	21.27	91	12357	0.16	ppbv #	31
71) 2-Chlorotoluene	17.83	91	15023	0.26	ppbv	76
72) 4-Ethyltoluene	18.25	105	2561	0.04	ppbv #	55
73) 1,3,5-Trimethylbenzene	18.43	105	4706	0.08	ppbv #	30
74) 1,2,4-Trimethylbenzene	19.29	105	4165	0.07	ppbv #	1
79) Naphthalene	24.49	128	2910	0.07	ppbv #	66
80) Naphthalene,2-methyl-	26.61	142	182438	20.28	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.01 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

ClientSampleId :

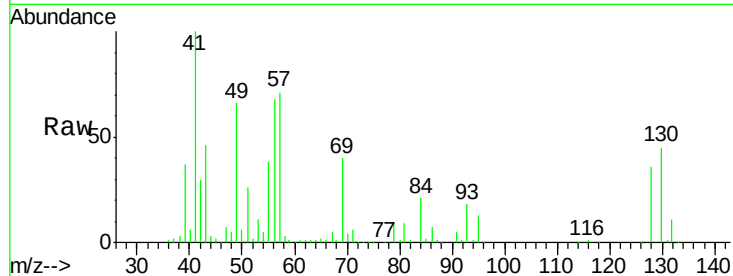
Tot Ion: 49 Resp: 803829

Ion Ratio Lower Upper

49 100

128 51.8 26.3 78.8

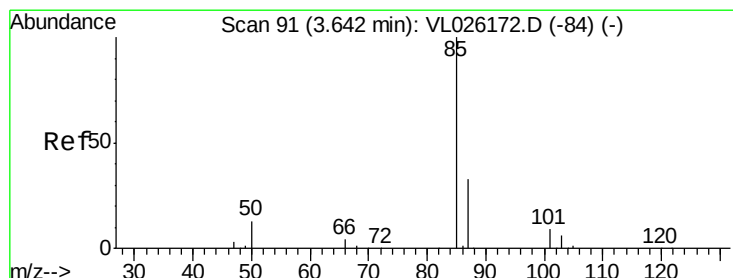
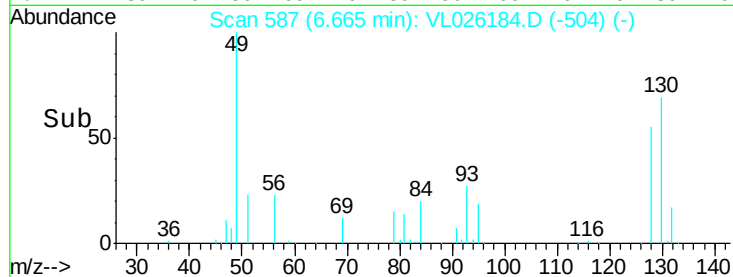
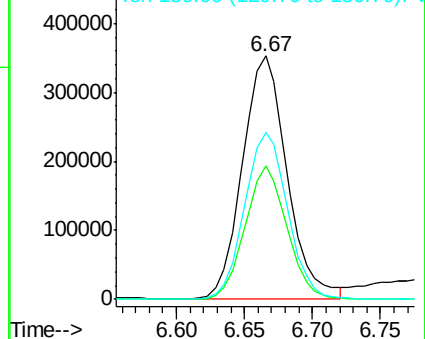
130 66.6 34.2 102.5



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: 0.32 ppbv

RT: 3.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VL026184.D

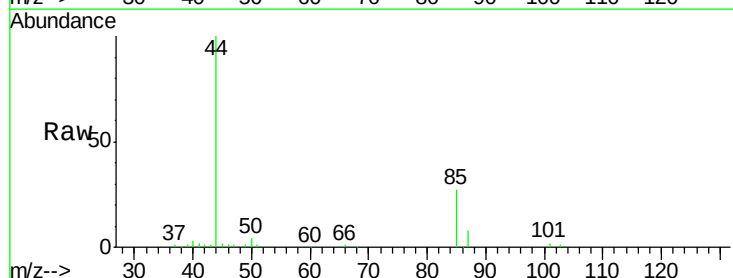
Acq: 9 Oct 2015 20:15

Tgt Ion: 85 Resp: 47692

Ion Ratio Lower Upper

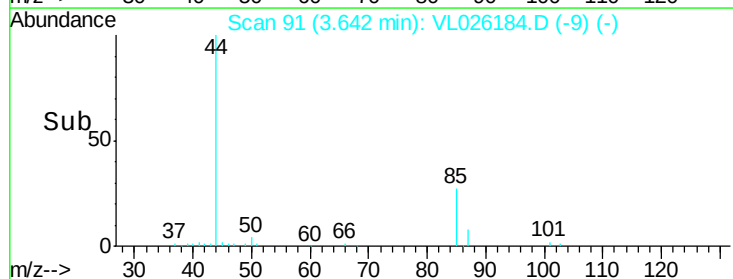
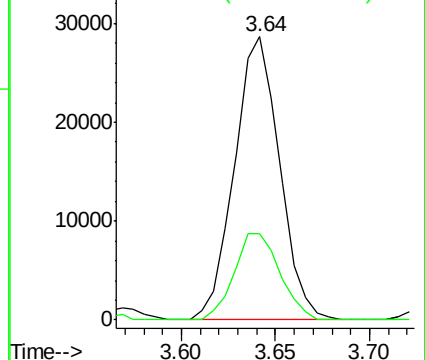
85 100

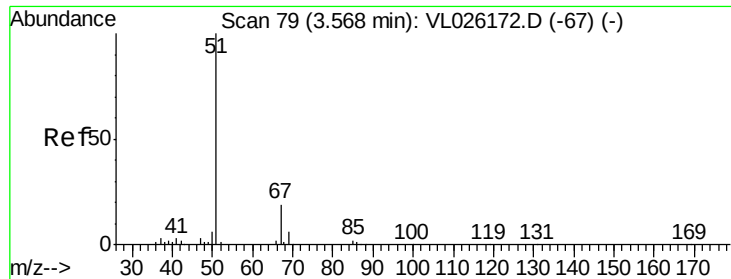
87 30.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.85 ppbv

RT: 3.57 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

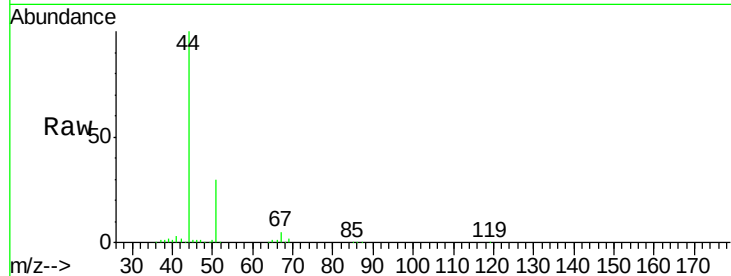
ClientSampleId :

Tot Ion: 51 Resp: 267916

Ion Ratio Lower Upper

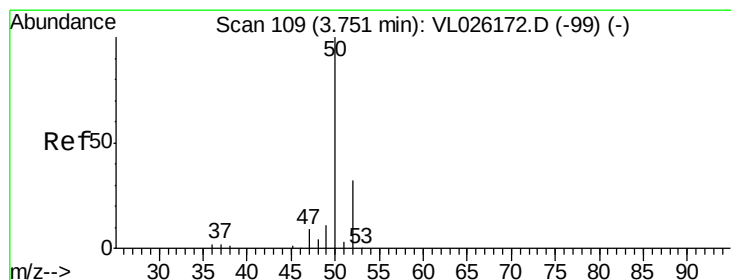
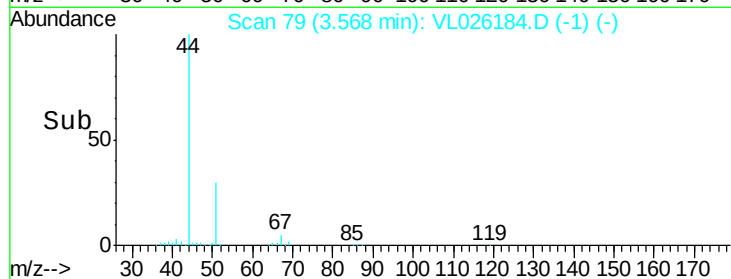
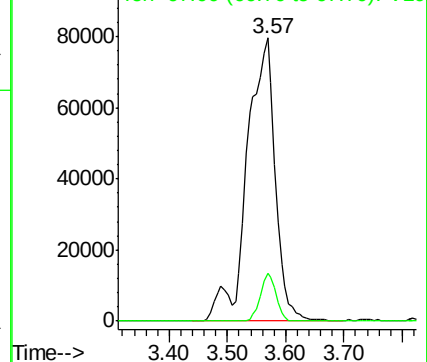
51 100

67 9.2 14.9 22.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.21 ppbv

RT: 3.75 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL026184.D

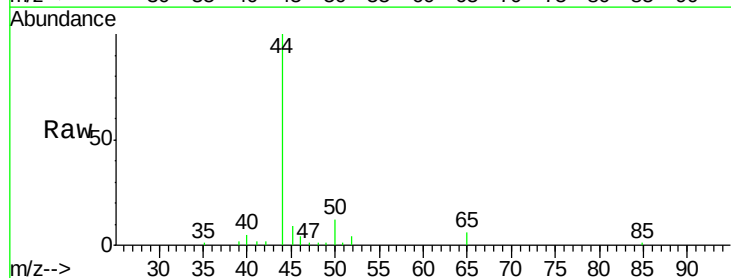
Acq: 9 Oct 2015 20:15

Tgt Ion: 50 Resp: 10965

Ion Ratio Lower Upper

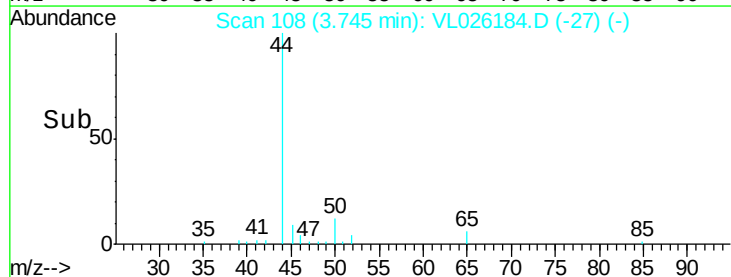
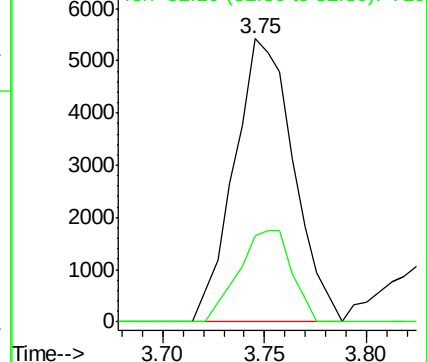
50 100

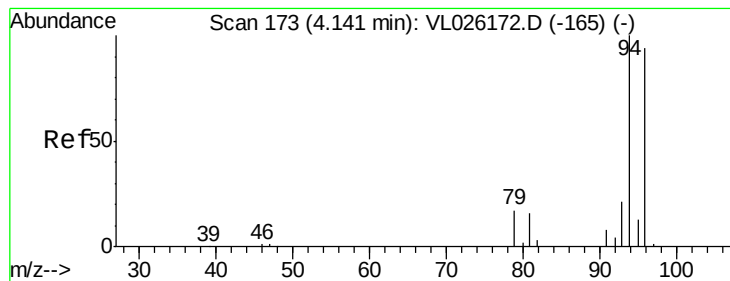
52 30.4 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#6

Bromomethane

Concen: 0.10 ppbv

RT: 4.15 min Scan# 174

Delta R.T. 0.01 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

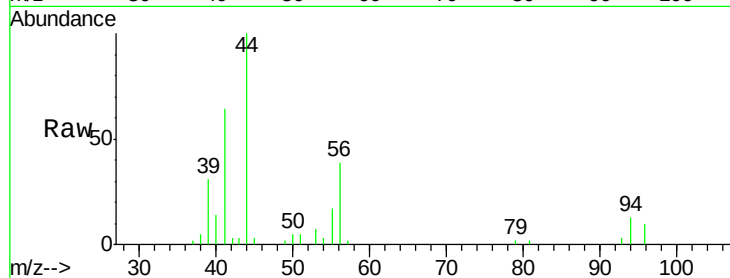
ClientSampleId :

Tot Ion: 94 Resp: 3995

Ion Ratio Lower Upper

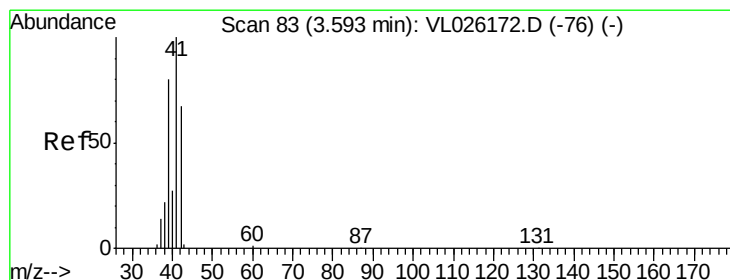
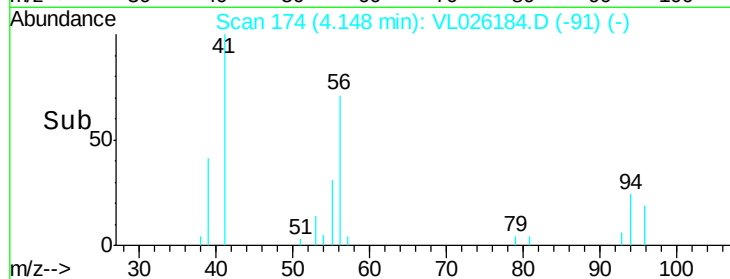
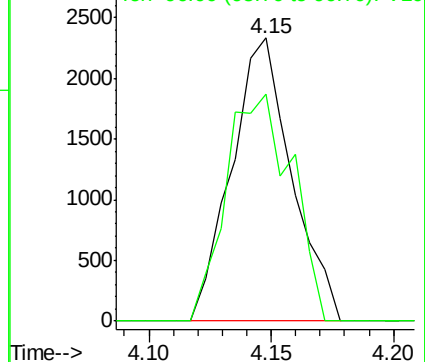
94 100

96 80.4 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



#9

Propene

Concen: 5.40 ppbv

RT: 3.59 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL026184.D

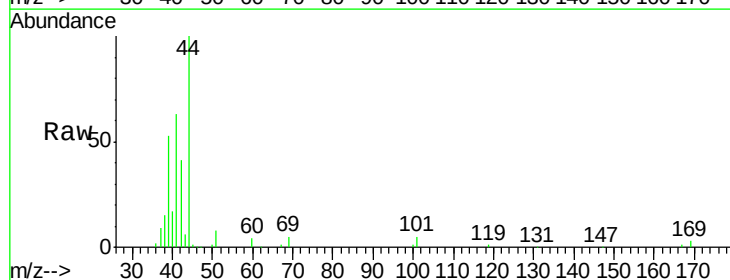
Acq: 9 Oct 2015 20:15

Tgt Ion: 41 Resp: 232617

Ion Ratio Lower Upper

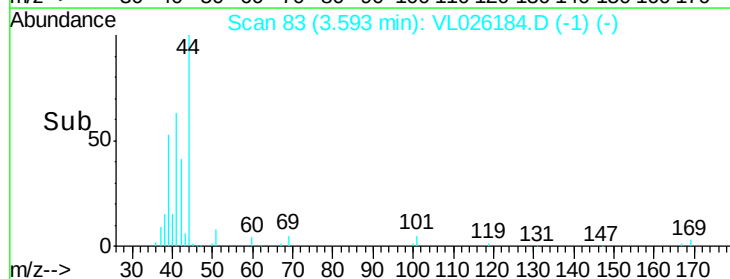
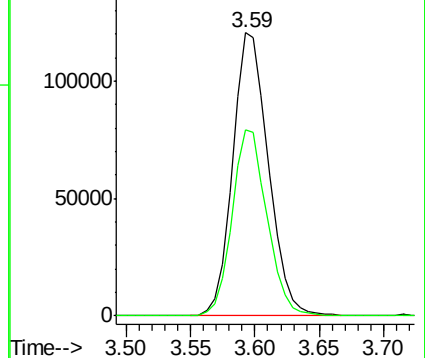
41 100

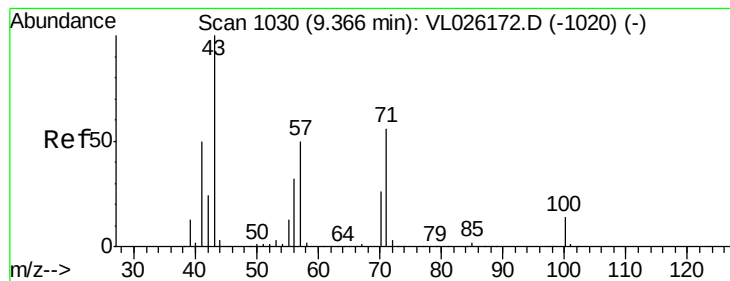
42 64.4 53.6 80.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.70 ppbv

RT: 9.52 min Scan# 1056

Delta R.T. 0.16 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

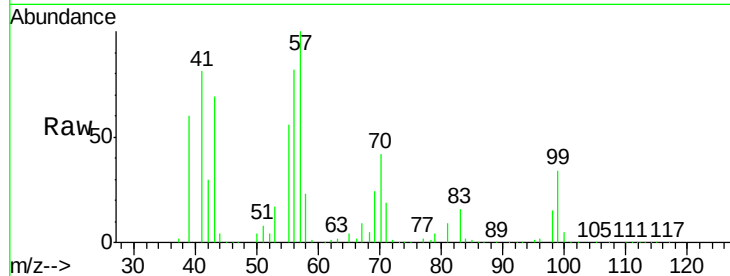
ClientSampleId :

Tot Ion: 43 Resp: 104501

Ion Ratio Lower Upper

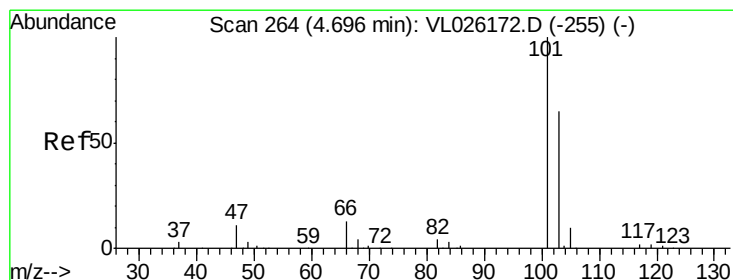
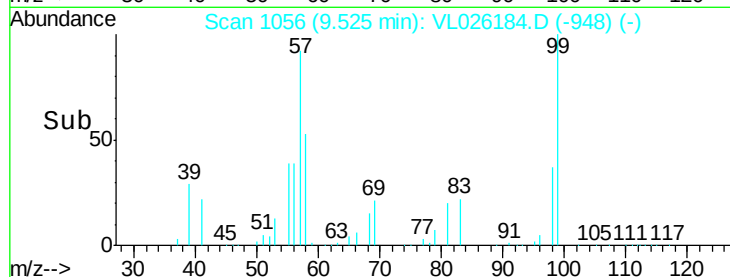
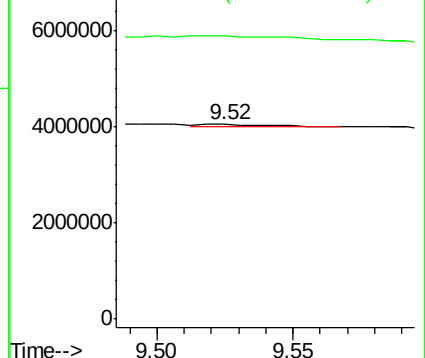
43 100

57 75489.5 41.8 62.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.23 ppbv

RT: 4.70 min Scan# 265

Delta R.T. 0.01 min

Lab File: VL026184.D

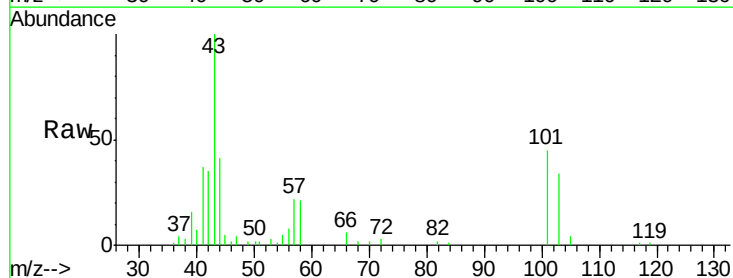
Acq: 9 Oct 2015 20:15

Tgt Ion:101 Resp: 34074

Ion Ratio Lower Upper

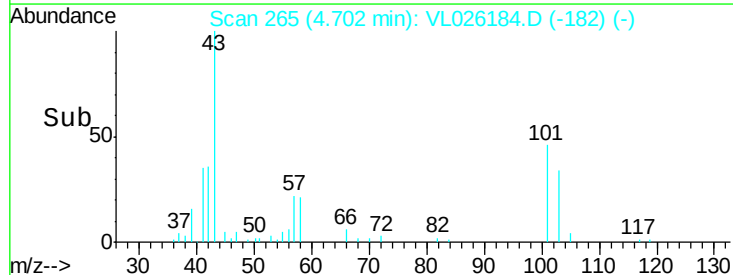
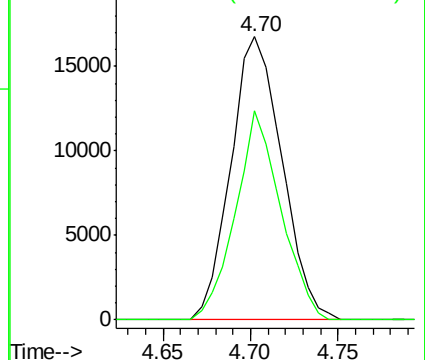
101 100

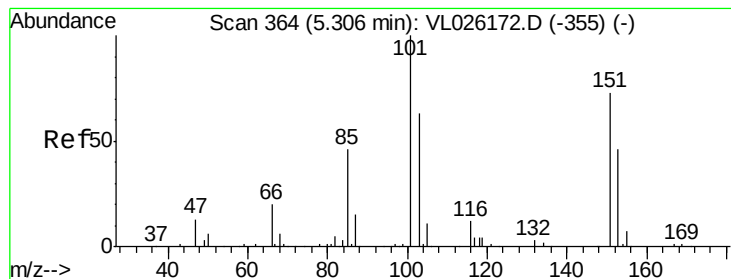
103 73.9 51.9 77.9



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: 5.32 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

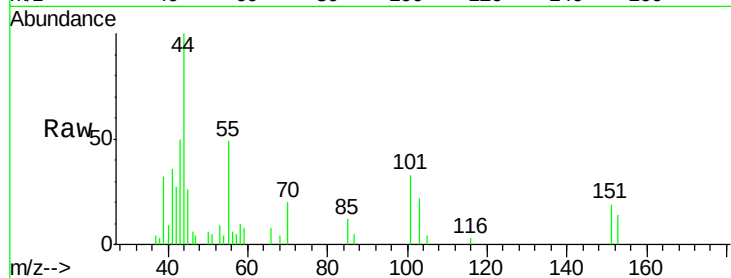
ClientSampled :

Tot Ion:101 Resp: 6801

Ion Ratio Lower Upper

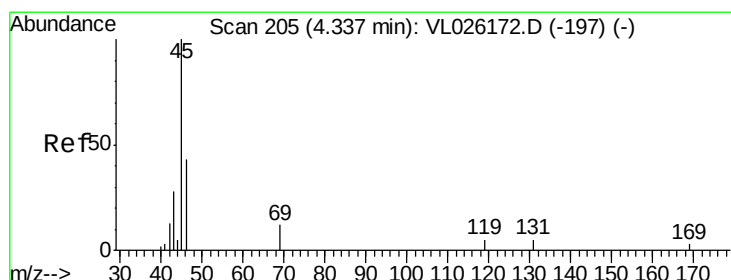
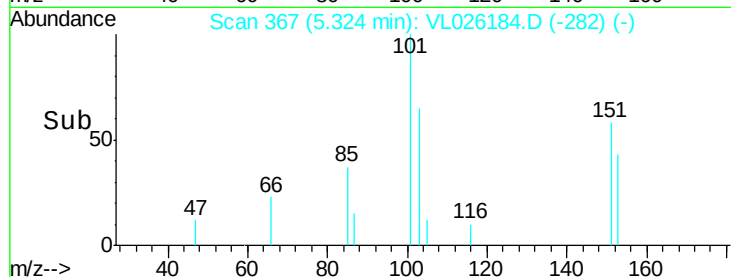
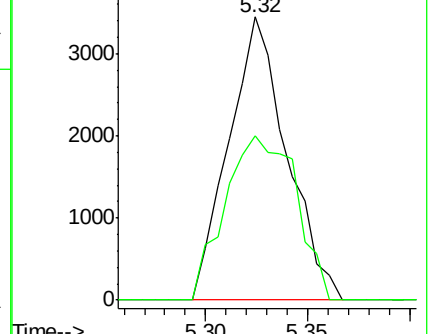
101 100

151 71.2 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 25.70 ppbv

RT: 4.34 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL026184.D

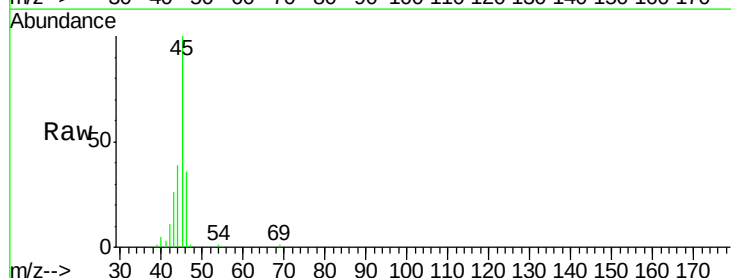
Acq: 9 Oct 2015 20:15

Tgt Ion: 45 Resp: 162936

Ion Ratio Lower Upper

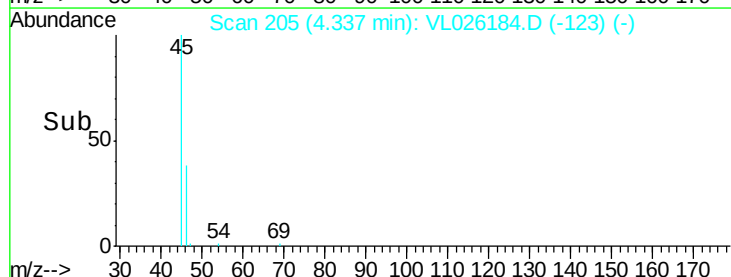
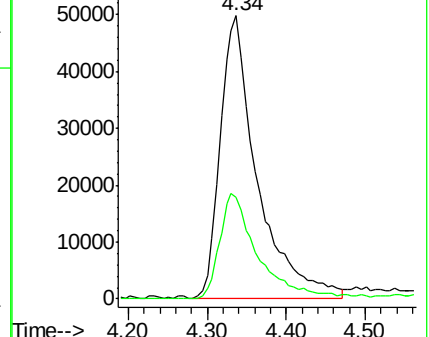
45 100

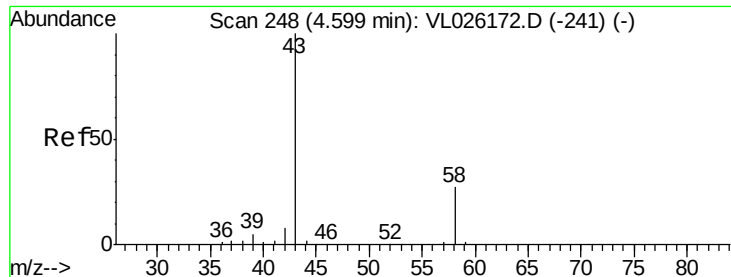
46 39.3 18.1 72.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 132.49 ppbv

RT: 4.60 min Scan# 249

Delta R.T. 0.01 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

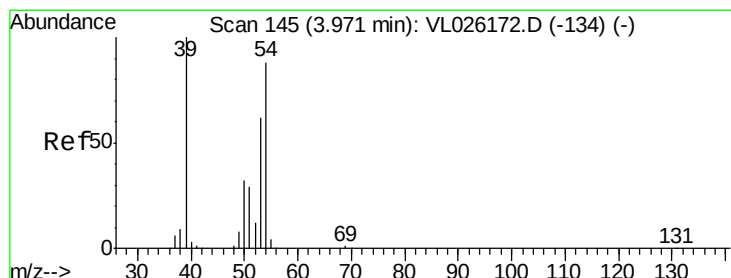
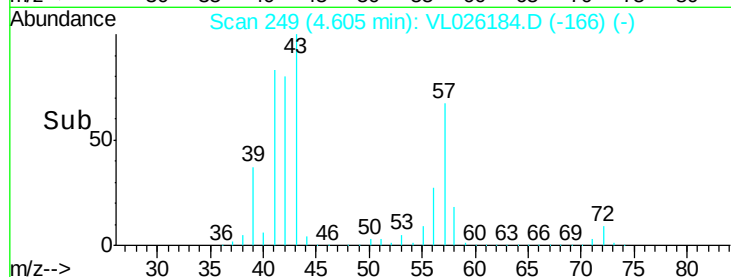
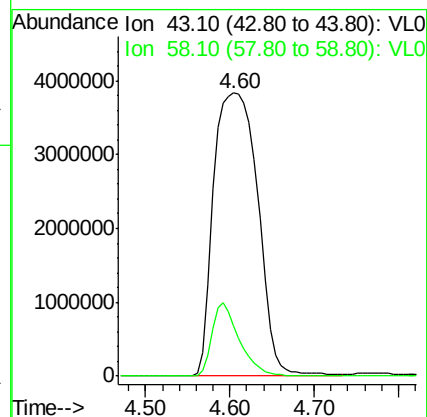
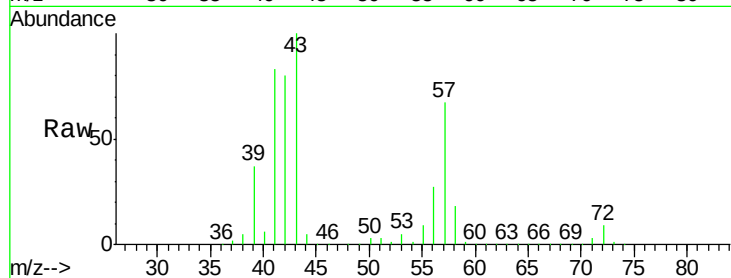
ClientSampleId :

Tot Ion: 43 Resp:13765164

Ion Ratio Lower Upper

43 100

58 16.5 22.0 33.0#



#16

1,3-Butadiene

Concen: 3.39 ppbv

RT: 4.00 min Scan# 150

Delta R.T. 0.03 min

Lab File: VL026184.D

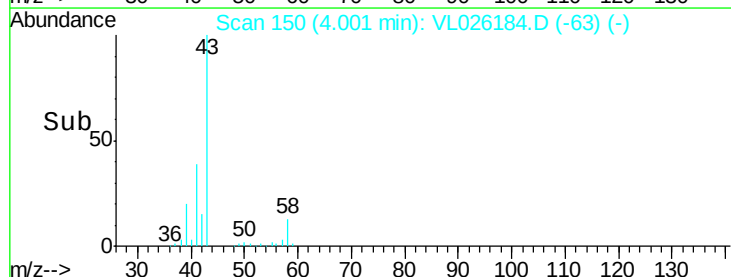
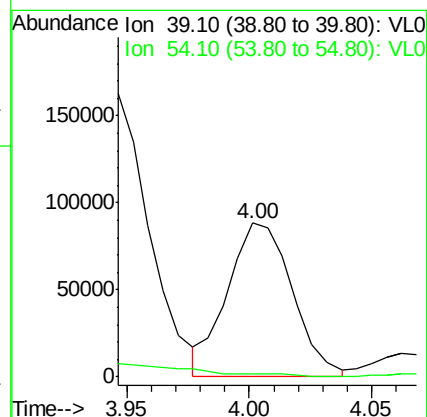
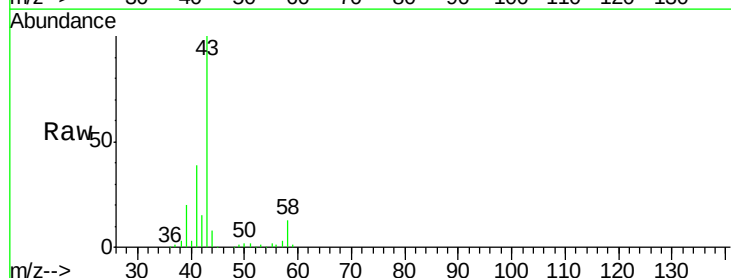
Acq: 9 Oct 2015 20:15

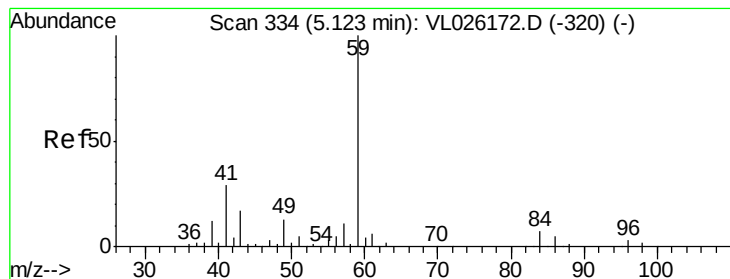
Tgt Ion: 39 Resp: 162890

Ion Ratio Lower Upper

39 100

54 0.0 67.9 101.9#



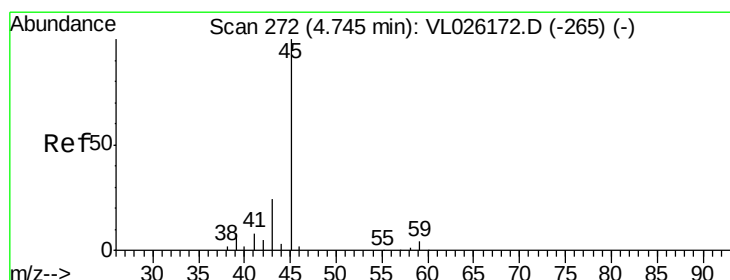
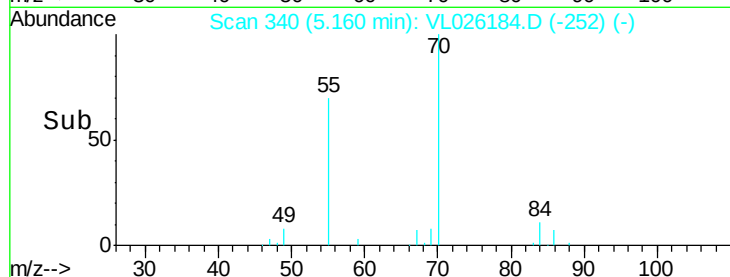
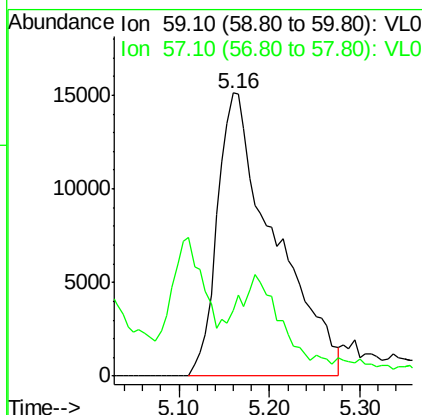
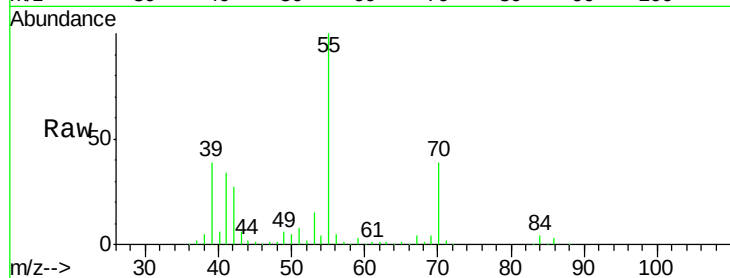


#17

tert-Butyl alcohol
 Concen: 1.06 ppbv
 RT: 5.16 min Scan# 340
 Delta R.T. 0.04 min
 Lab File: VL026184.D
 Acq: 9 Oct 2015 20:15

Instrument :
 MSVOA_L
 ClientSampled :

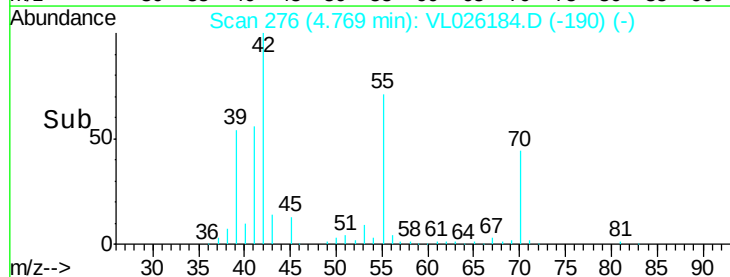
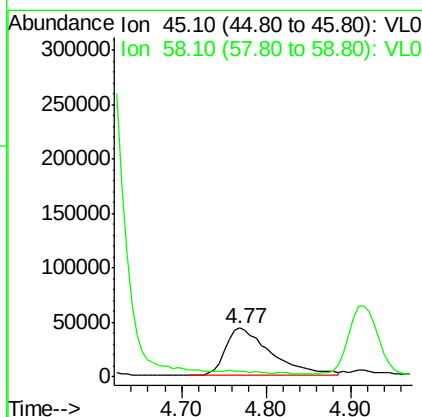
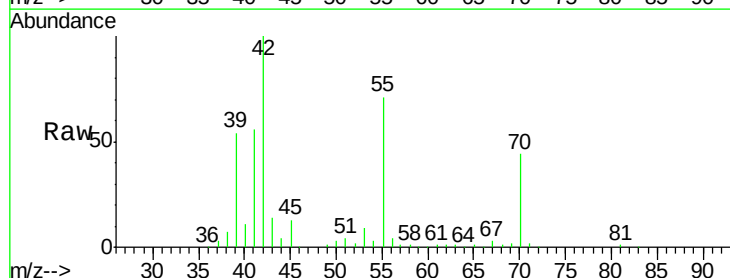
Tot Ion: 59 Resp: 66079
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

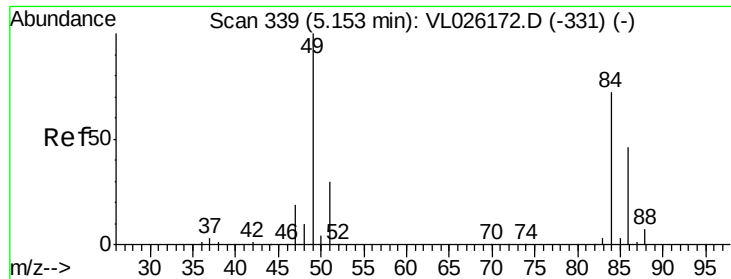


#19

Isopropyl Alcohol
 Concen: 3.97 ppbv
 RT: 4.77 min Scan# 276
 Delta R.T. 0.02 min
 Lab File: VL026184.D
 Acq: 9 Oct 2015 20:15

Tgt Ion: 45 Resp: 160743
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.7 2.5#

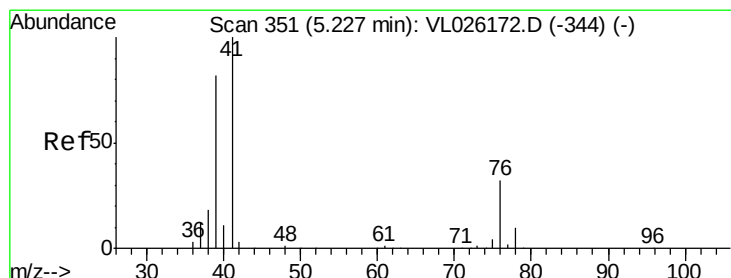
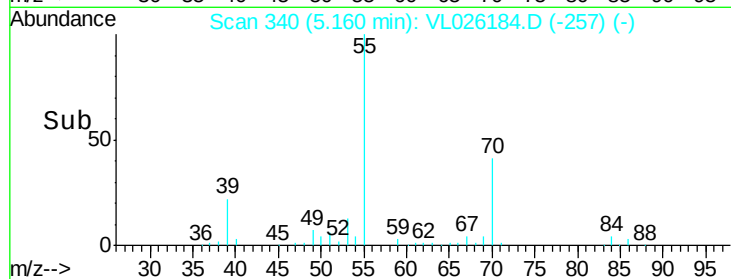
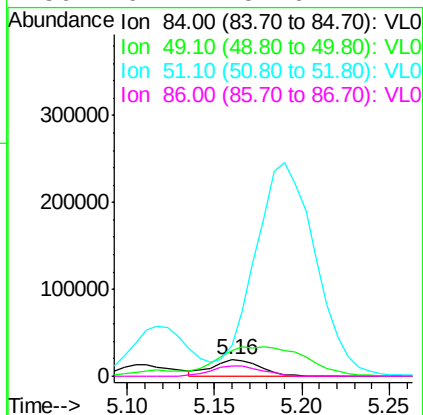
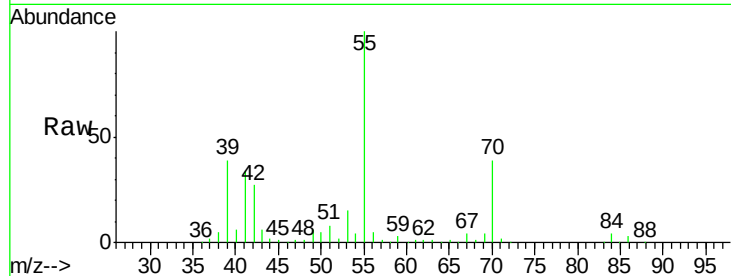




#20
Methylene Chloride
Concen: 0.83 ppbv
RT: 5.16 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

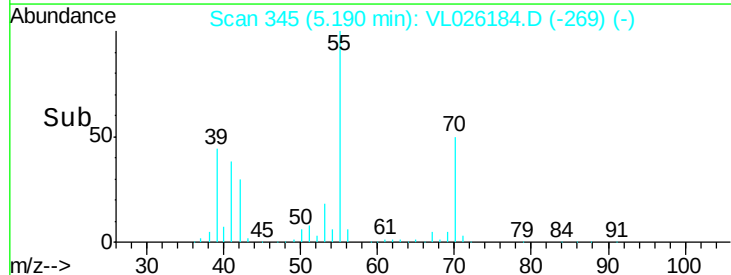
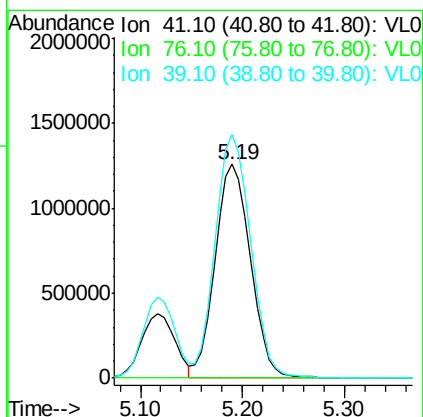
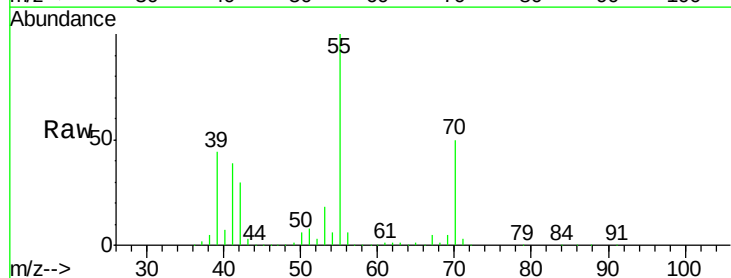
Instrument :
MSVOA_L
ClientSampleId :

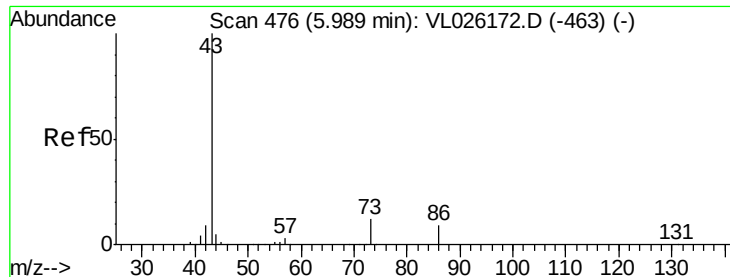
Tot Ion: 84 Resp: 36576
Ion Ratio Lower Upper
84 100
49 127.8 111.3 166.9
51 14.8 33.0 49.6#
86 62.1 51.6 77.4



#21
Allyl Chloride
Concen: 44.47 ppbv
RT: 5.19 min Scan# 345
Delta R.T. -0.04 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion: 41 Resp: 3015496
Ion Ratio Lower Upper
41 100
76 0.0 25.4 38.2#
39 114.0 66.5 99.7#





#23

Vinyl Acetate

Concen: 351.81 ppbv

RT: 6.07 min Scan# 490

Delta R.T. 0.09 min

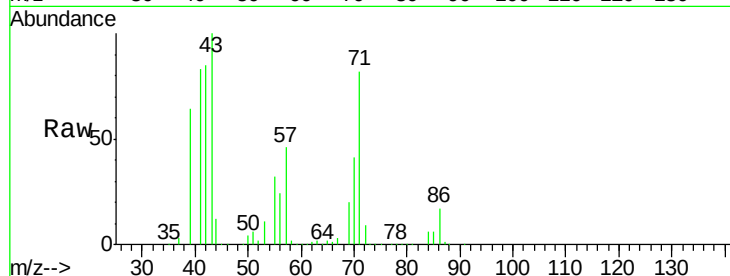
Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

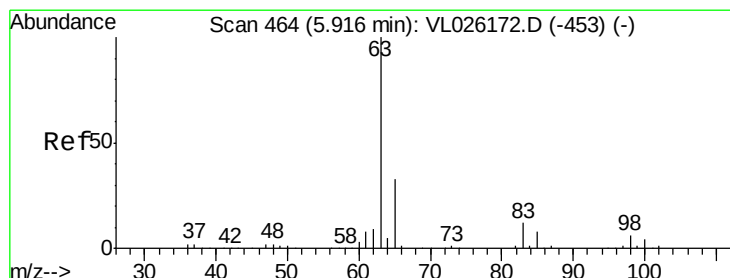
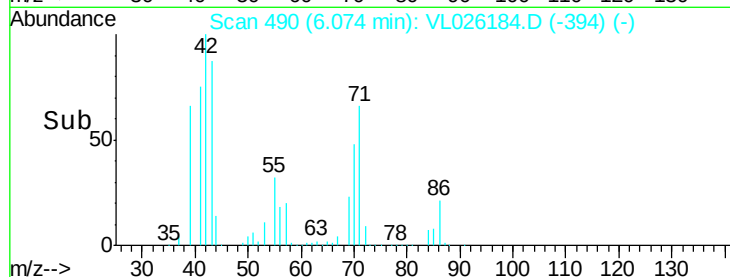
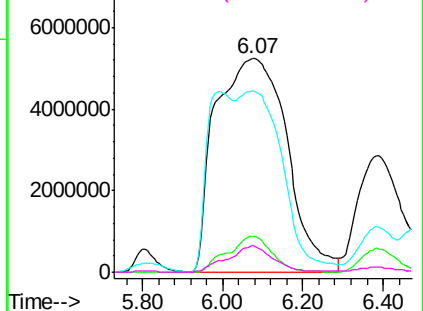
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 64695039

Ion	Ratio	Lower	Upper
43	100		
86	17.0	7.2	10.8#
42	84.8	7.4	11.2#
44	12.1	3.9	5.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 1.27 ppbv

RT: 5.99 min Scan# 476

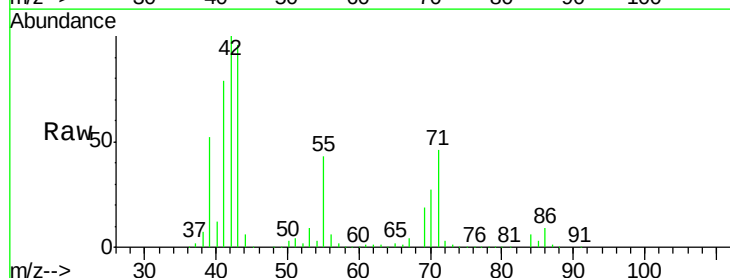
Delta R.T. 0.07 min

Lab File: VL026184.D

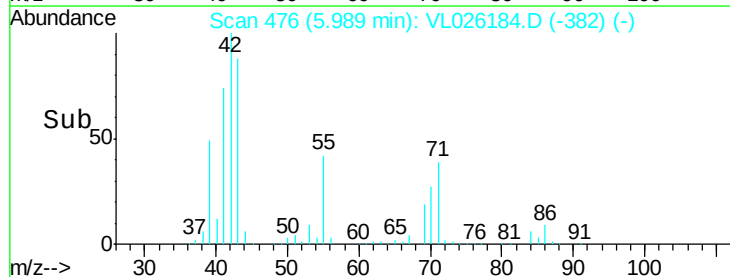
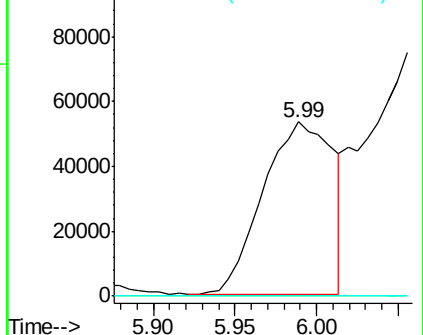
Acq: 9 Oct 2015 20:15

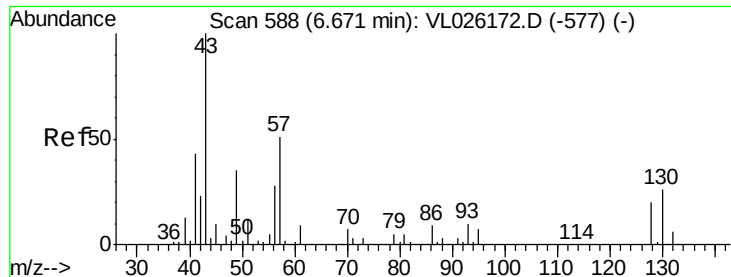
Tgt Ion: 63 Resp: 158879

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.9	8.7#
100	0.0	1.8	5.5#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0

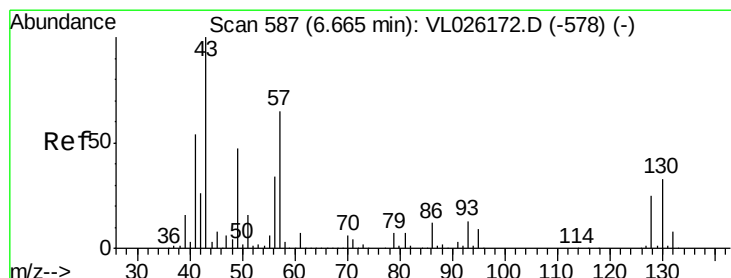
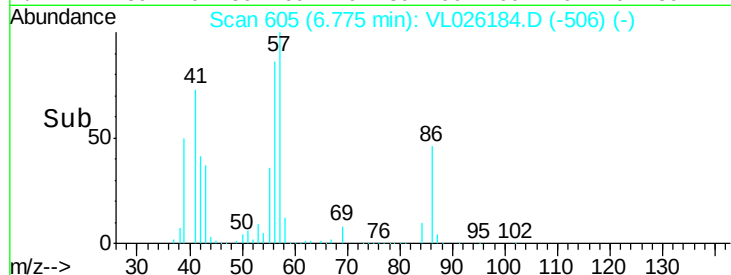
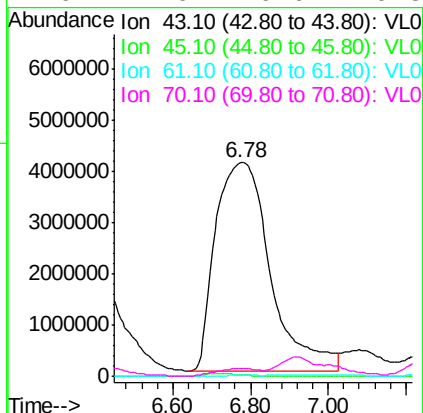
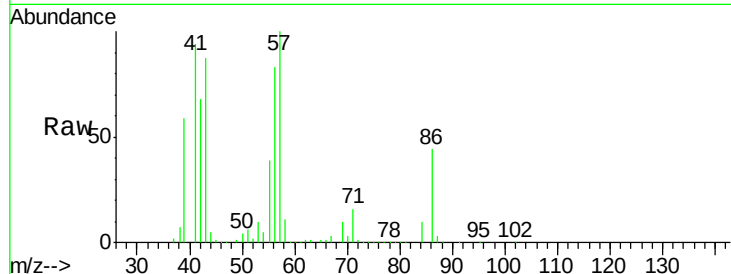




#25
Ethyl Acetate
Concen: 199.79 ppbv
RT: 6.78 min Scan# 605
Delta R.T. 0.10 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

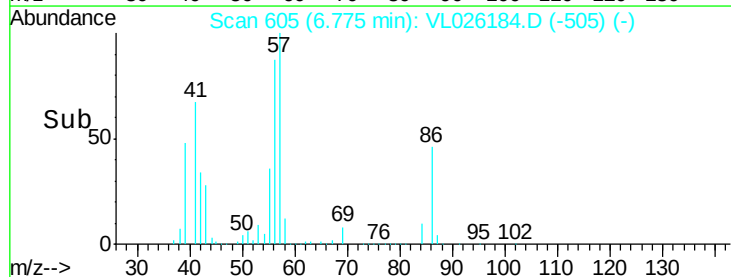
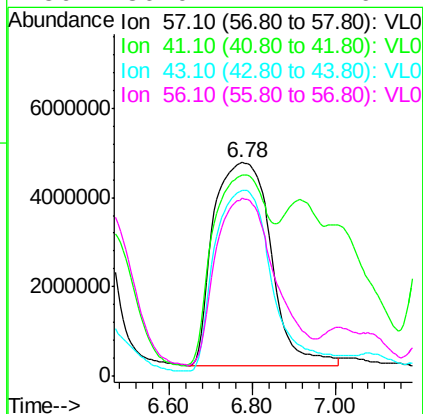
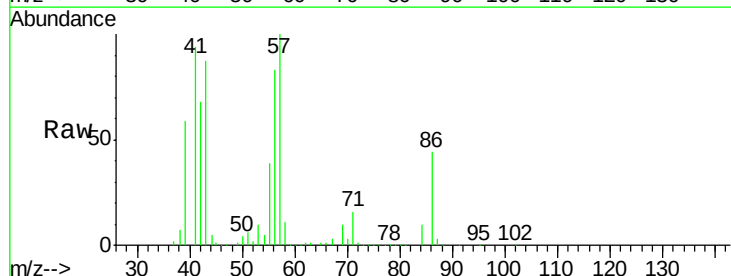
Instrument :
MSVOA_L
ClientSampled :

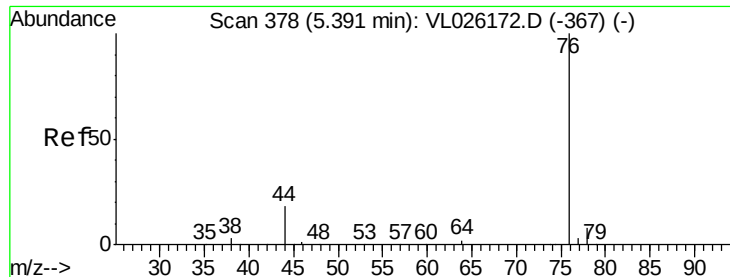
Tot Ion: 43 Resp:40140617
Ion Ratio Lower Upper
43 100
45 0.8 7.7 11.5#
61 0.3 7.4 11.2#
70 2.6 6.6 9.8#



#26
Hexane
Concen: 451.14 ppbv
RT: 6.78 min Scan# 605
Delta R.T. 0.11 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion: 57 Resp:43896967
Ion Ratio Lower Upper
57 100
41 94.4 68.0 102.0
43 91.3 164.4 246.6#
56 86.0 42.7 64.1#





#27

Carbon Disulfide

Concen: 0.42 ppbv

RT: 5.40 min Scan# 380

Delta R.T. 0.01 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

ClientSampleId :

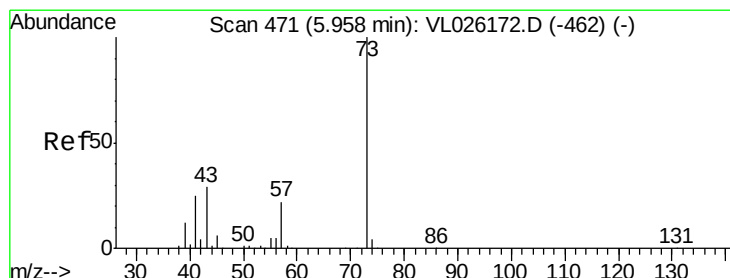
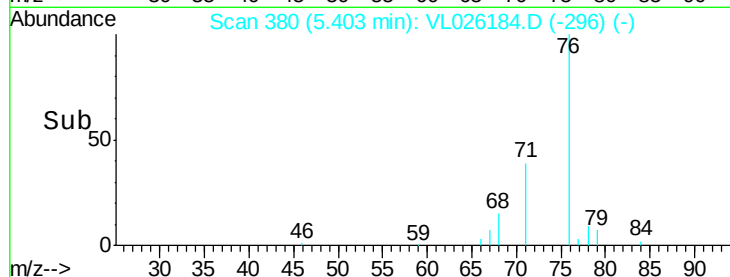
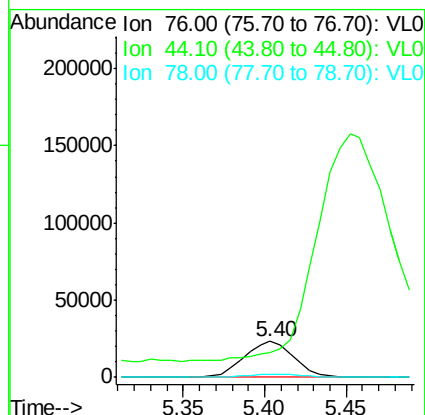
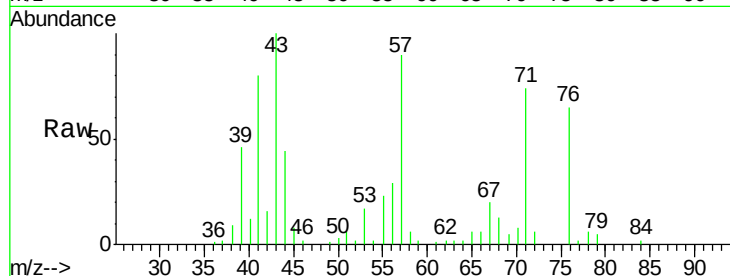
Tot Ion: 76 Resp: 49260

Ion Ratio Lower Upper

76 100

44 991.9 14.2 21.4#

78 11.5 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 1.18 ppbv

RT: 5.97 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL026184.D

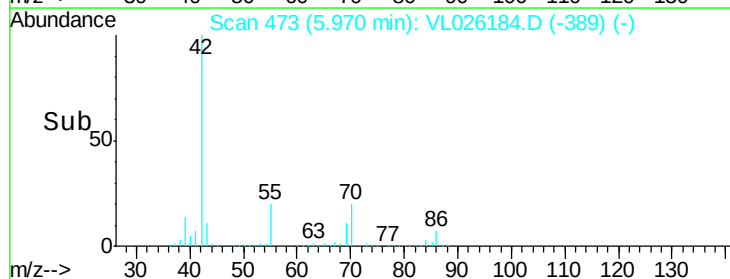
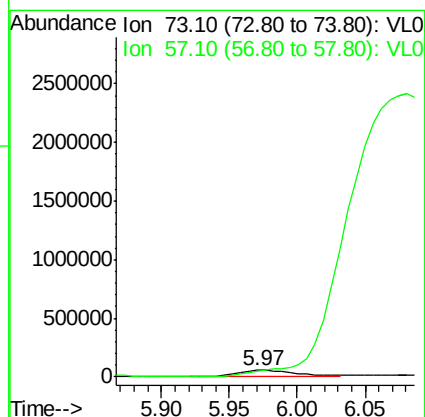
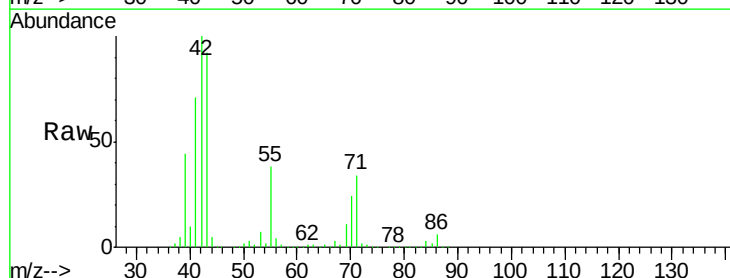
Acq: 9 Oct 2015 20:15

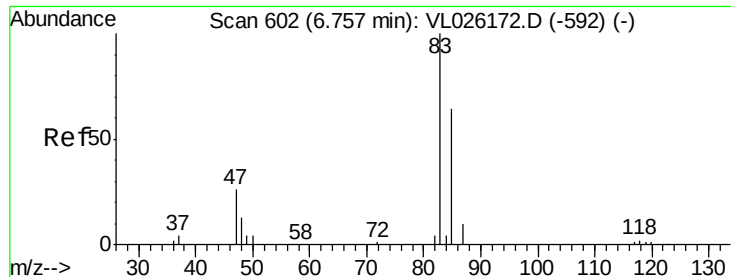
Tgt Ion: 73 Resp: 184698

Ion Ratio Lower Upper

73 100

57 0.0 17.8 26.6#

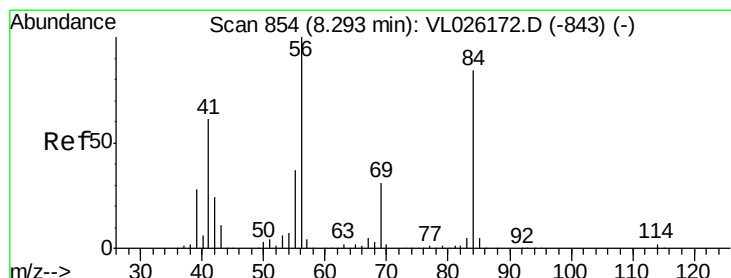
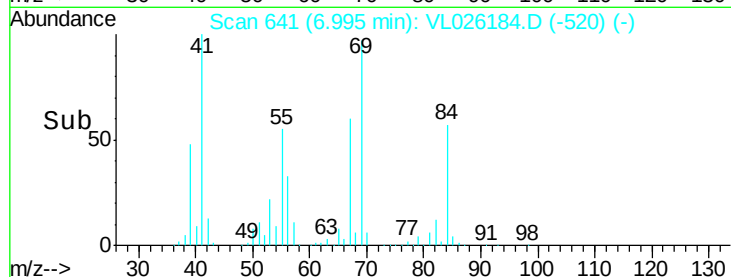
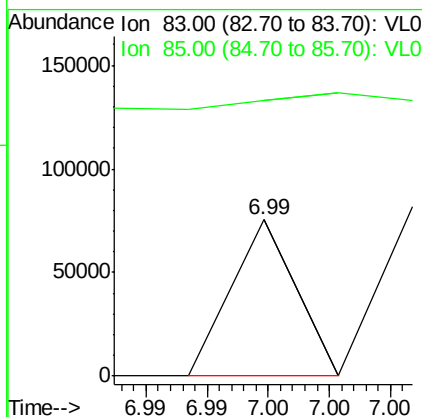
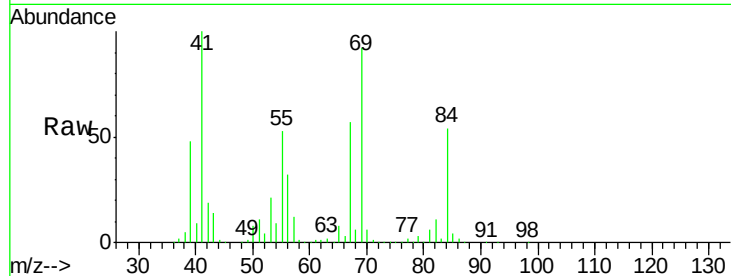




#29
Chloroform
Concen: 0.19 ppbv
RT: 6.99 min Scan# 641
Delta R.T. 0.24 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

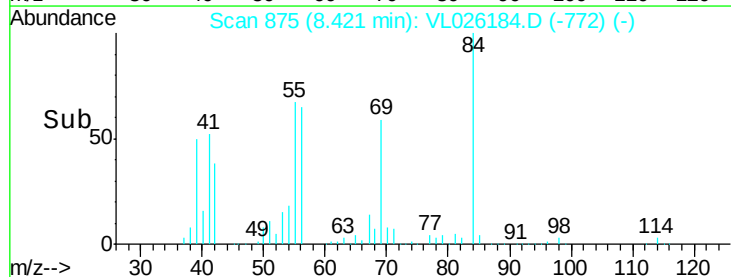
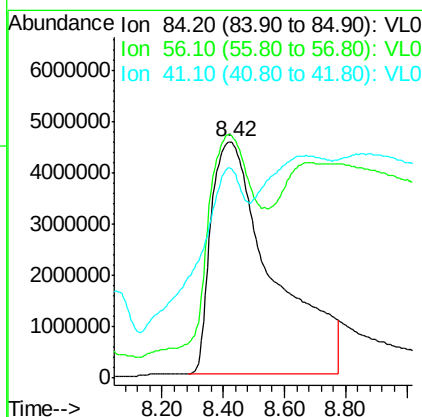
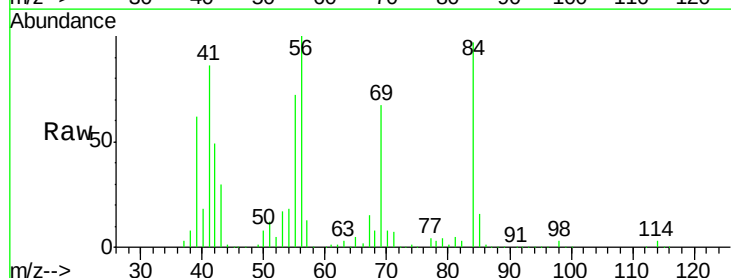
Instrument :
MSVOA_L
ClientSampleId :

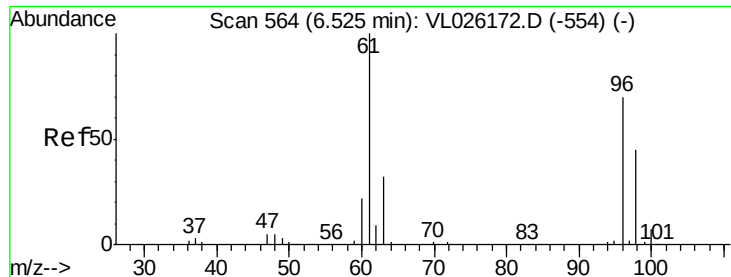
Tot Ion: 83 Resp: 27573
Ion Ratio Lower Upper
83 100
85 5.6 51.5 77.3#



#30
Cyclohexane
Concen: 686.56 ppbv
RT: 8.42 min Scan# 875
Delta R.T. 0.13 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion: 84 Resp: 63649896
Ion Ratio Lower Upper
84 100
56 77.2 99.8 149.8#
41 50.4 58.1 87.1#





#31

cis-1,2-Dichloroethene

Concen: 0.43 ppbv

RT: 6.46 min Scan# 554

Delta R.T. -0.06 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

ClientSampleId :

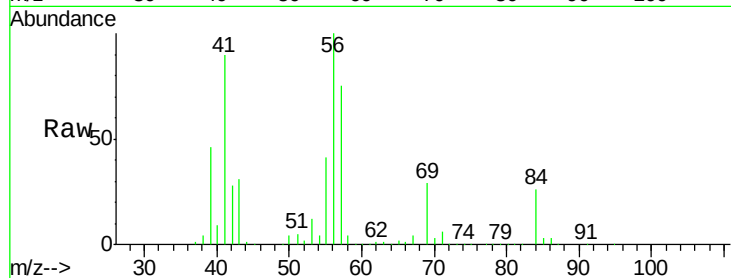
Tot Ion: 61 Resp: 38442

Ion Ratio Lower Upper

61 100

96 0.0 55.8 83.8#

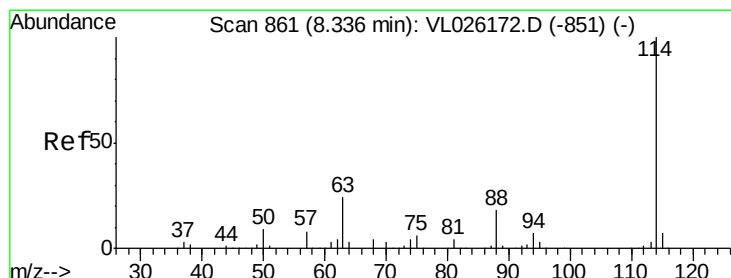
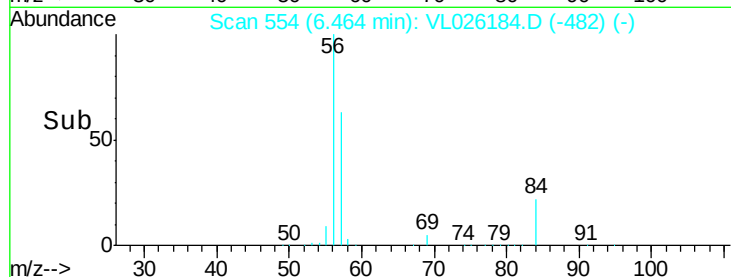
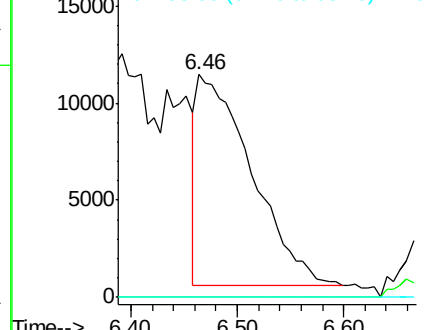
98 0.0 35.8 53.6#



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: 8.41 min Scan# 873

Delta R.T. 0.07 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

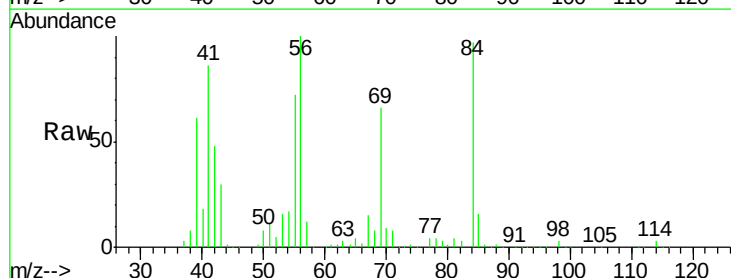
Tgt Ion: 114 Resp: 755324

Ion Ratio Lower Upper

114 100

63 95.3 19.0 28.6#

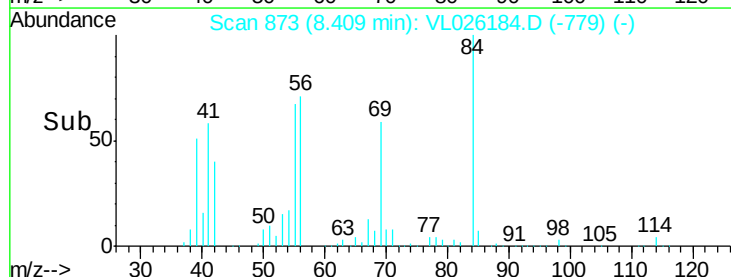
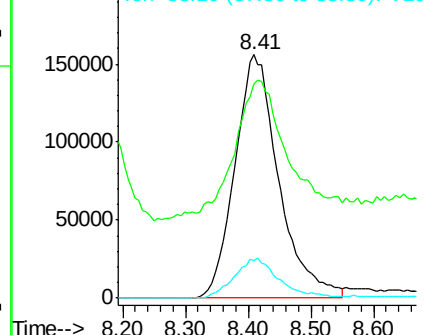
88 16.8 13.8 20.8

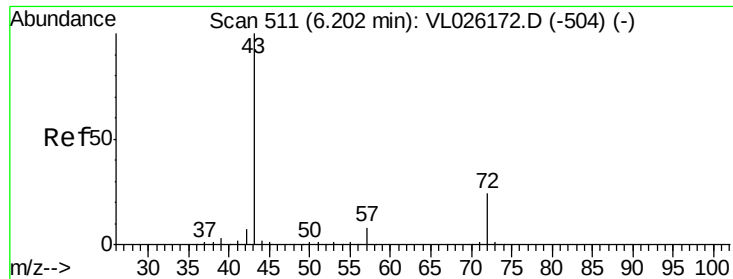


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

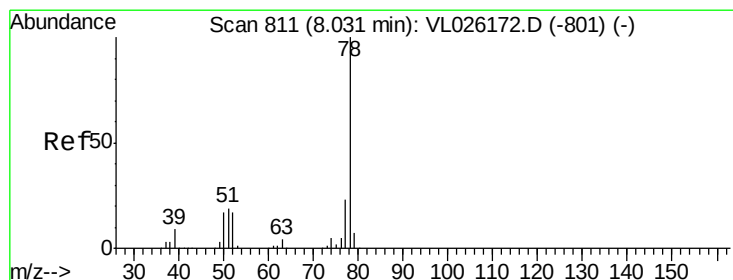
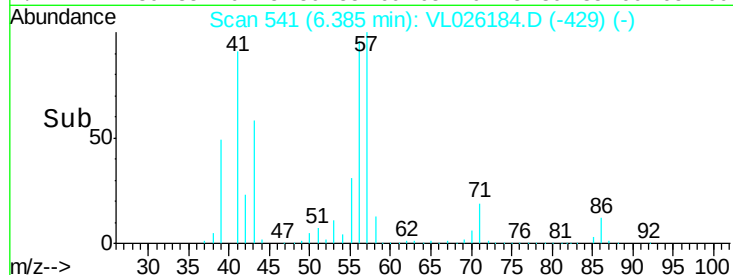
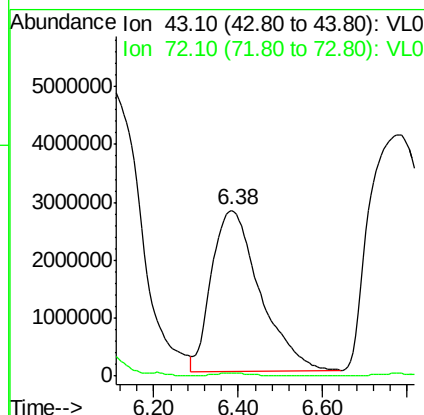
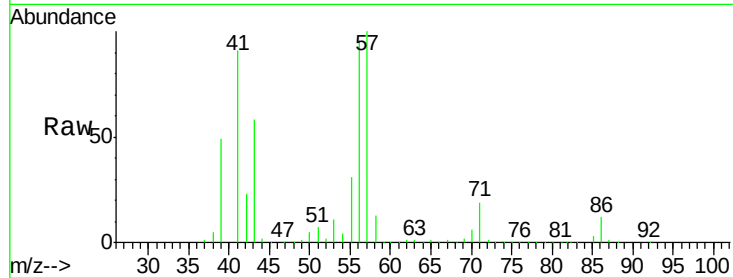




#34
2-Butanone
Concen: 525.49 ppbv
RT: 6.38 min Scan# 541
Delta R.T. 0.18 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

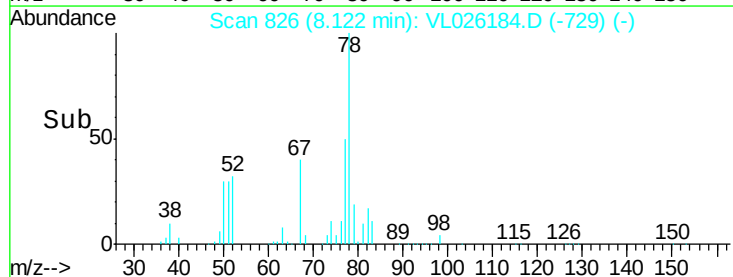
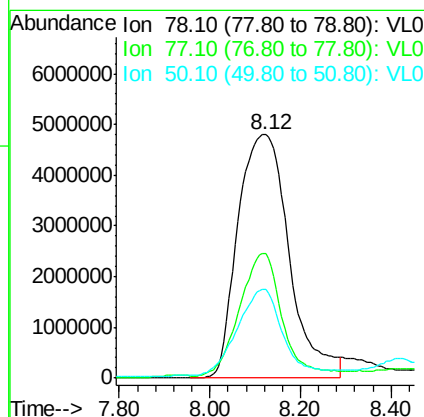
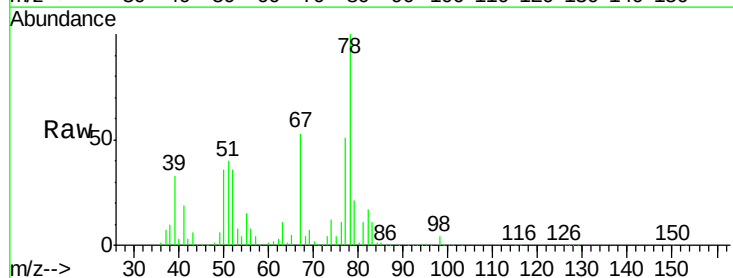
Instrument :
MSVOA_L
ClientSampleId :

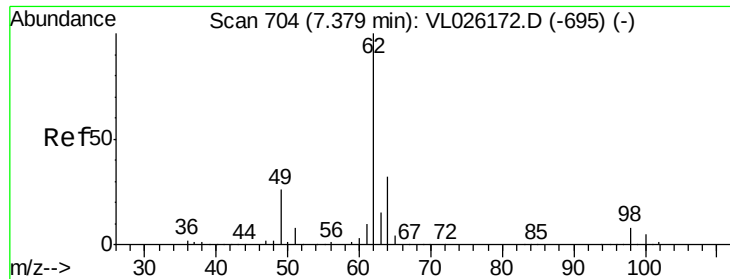
Tot Ion: 43 Resp:22092805
Ion Ratio Lower Upper
43 100
72 1.5 19.6 29.4#



#36
Benzene
Concen: 520.46 ppbv
RT: 8.12 min Scan# 826
Delta R.T. 0.09 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion: 78 Resp:37598107
Ion Ratio Lower Upper
78 100
77 50.3 18.2 27.4#
50 35.3 13.4 20.2#

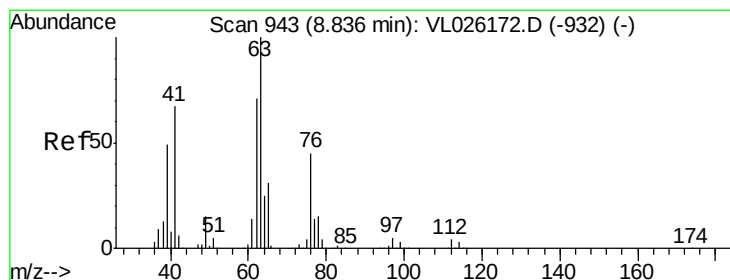
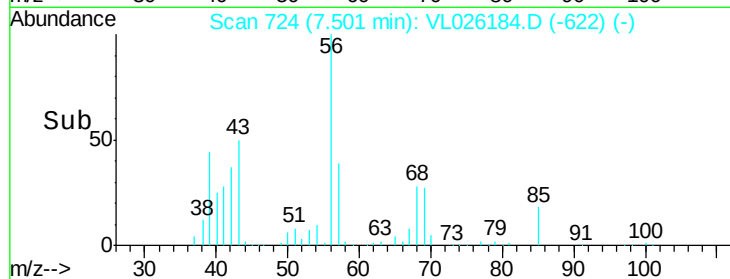
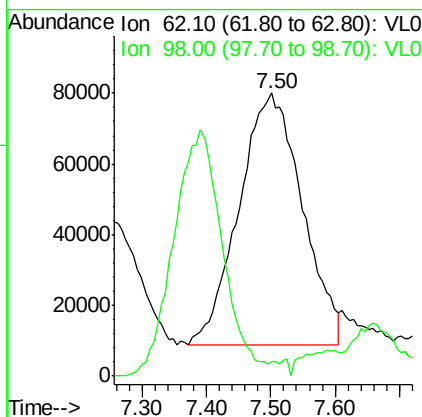
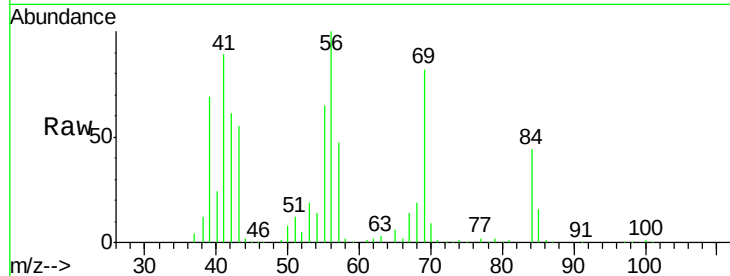




#37
 1,2-Dichloroethane
 Concen: 12.52 ppbv
 RT: 7.50 min Scan# 724
 Delta R.T. 0.12 min
 Lab File: VL026184.D
 Acq: 9 Oct 2015 20:15

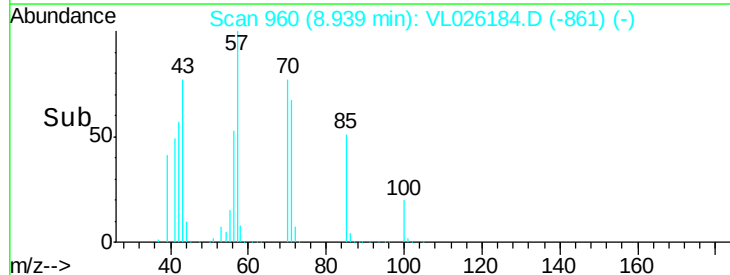
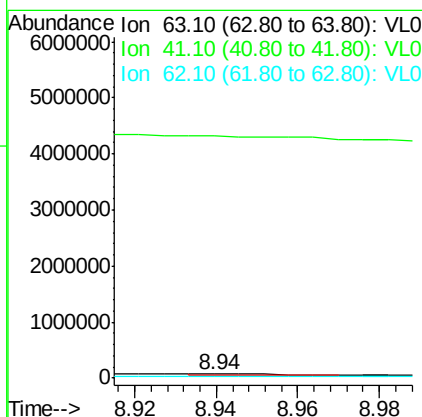
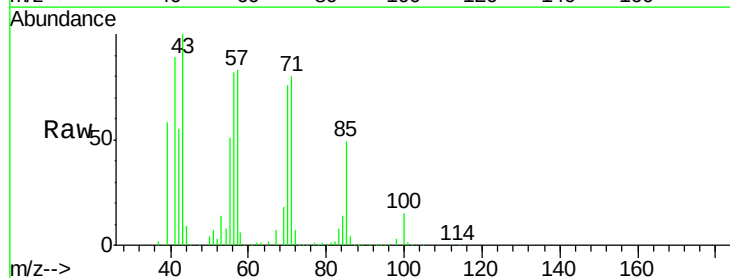
Instrument :
 MSVOA_L
 ClientSampled :

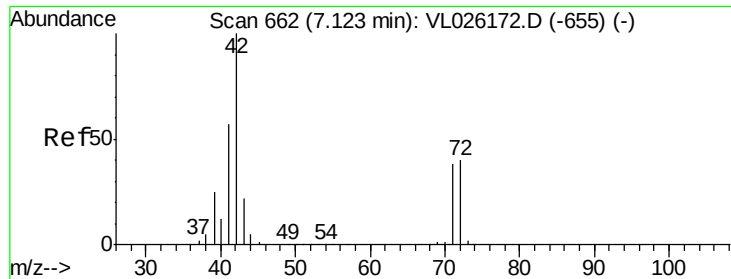
Tot Ion: 62 Resp: 484615
 Ion Ratio Lower Upper
 62 100
 98 75.8 6.2 9.2#



#39
 1,2-Dichloropropane
 Concen: 0.28 ppbv
 RT: 8.94 min Scan# 960
 Delta R.T. 0.10 min
 Lab File: VL026184.D
 Acq: 9 Oct 2015 20:15

Tgt Ion: 63 Resp: 7554
 Ion Ratio Lower Upper
 63 100
 41 1101.9 53.9 80.9#
 62 74.9 57.1 85.7

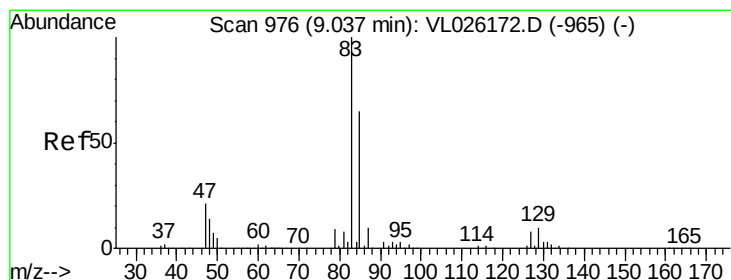
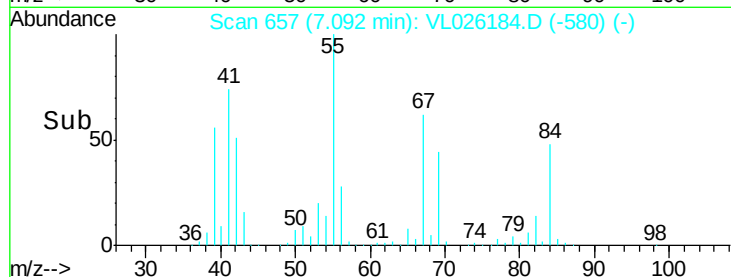
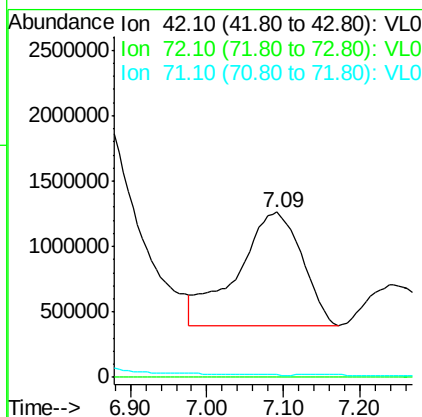
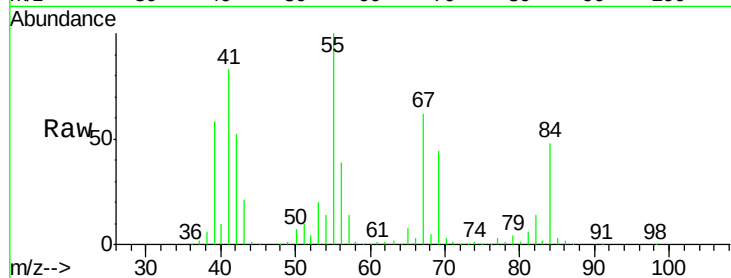




#41
Tetrahydrofuran
Concen: 215.72 ppbv
RT: 7.09 min Scan# 657
Delta R.T. -0.03 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

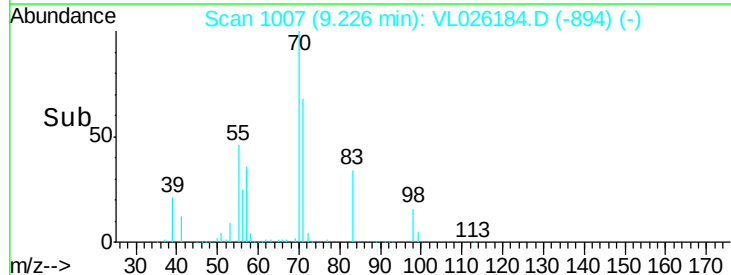
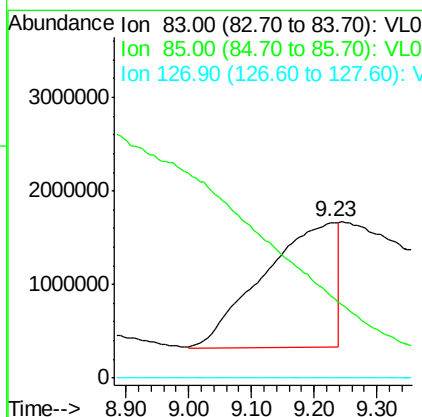
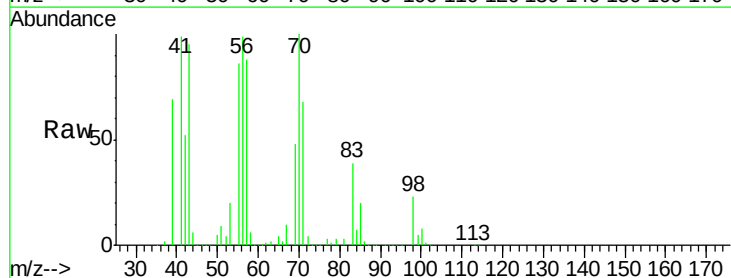
Instrument :
MSVOA_L
ClientSampled :

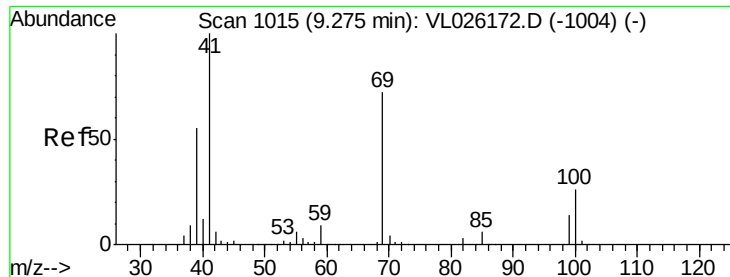
Tot Ion: 42 Resp: 5108202
Ion Ratio Lower Upper
42 100
72 0.3 32.4 48.6#
71 0.0 30.2 45.4#



#42
Bromodichloromethane
Concen: 213.54 ppbv
RT: 9.23 min Scan# 1007
Delta R.T. 0.19 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion: 83 Resp: 10876144
Ion Ratio Lower Upper
83 100
85 4.9 51.9 77.9#
127 0.0 6.2 9.4#

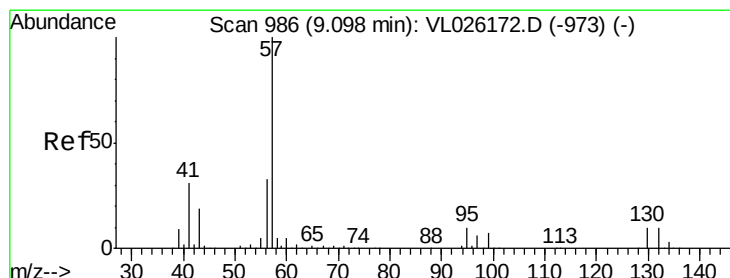
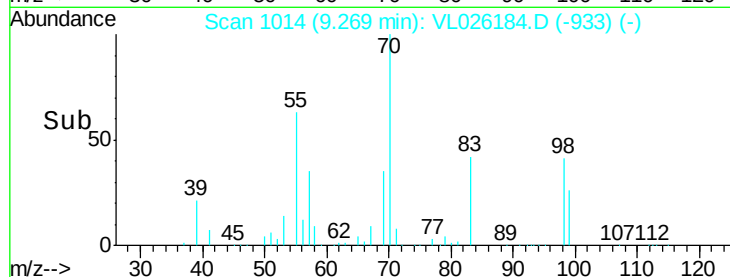
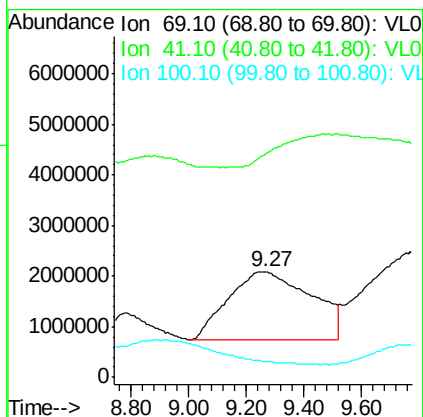
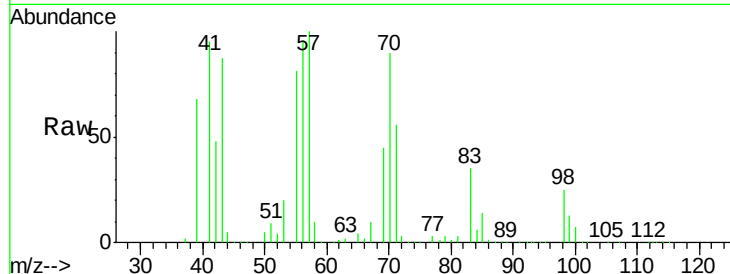




#43
Methyl Methacrylate
Concen: 1073.15 ppbv
RT: 9.27 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

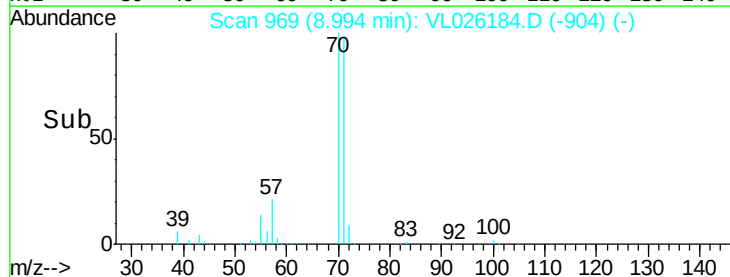
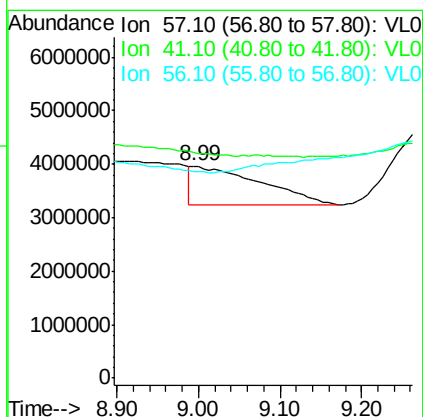
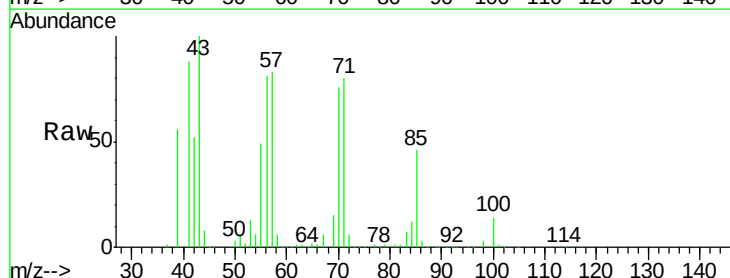
Instrument :
MSVOA_L
ClientSampled :

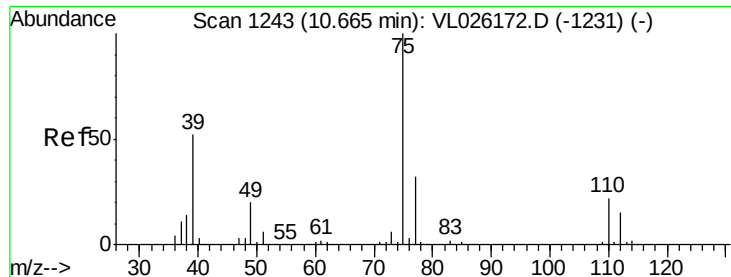
Tot Ion: 69 Resp: 27304482
Ion Ratio Lower Upper
69 100
41 0.0 111.5 167.3#
100 0.0 28.4 42.6#



#44
2,2,4-Trimethylpentane
Concen: 35.53 ppbv
RT: 8.99 min Scan# 969
Delta R.T. -0.10 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion: 57 Resp: 4268128
Ion Ratio Lower Upper
57 100
41 65.6 23.7 35.5#
56 0.0 26.4 39.6#





#45

t-1,3-Dichloropropene

Concen: 0.09 ppbv

RT: 10.76 min Scan# 1258

Delta R.T. 0.09 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

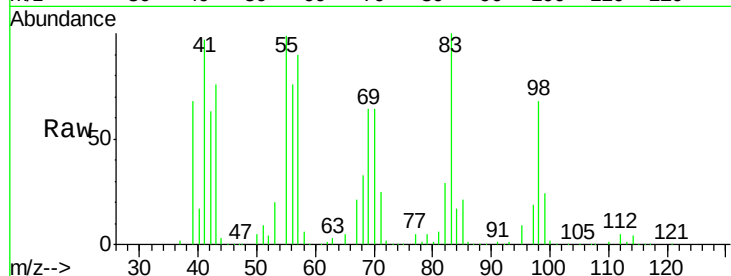
ClientSampleId :

Tot Ion: 75 Resp: 3028

Ion Ratio Lower Upper

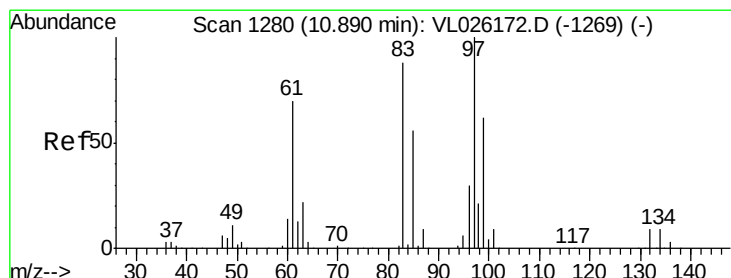
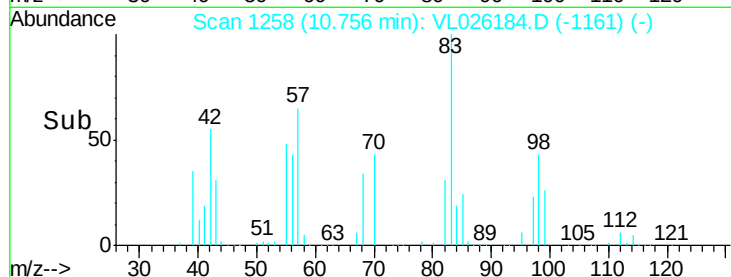
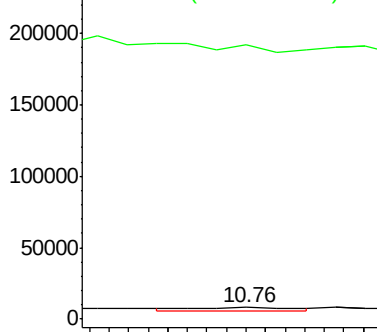
75 100

77 2301.4 25.5 38.3#



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#47

1,1,2-Trichloroethane

Concen: 36.48 ppbv

RT: 10.96 min Scan# 1291

Delta R.T. 0.07 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Tgt Ion: 97 Resp: 1174441

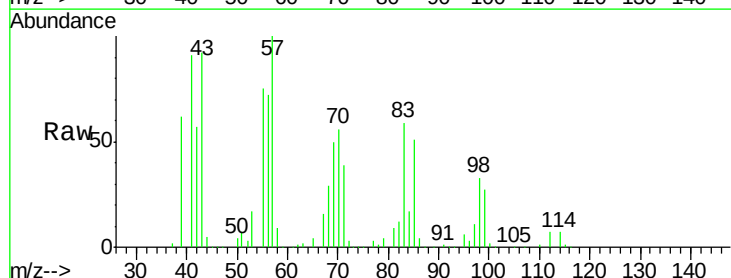
Ion Ratio Lower Upper

97 100

83 760.2 70.6 106.0#

85 9.4 45.1 67.7#

99 0.0 49.9 74.9#

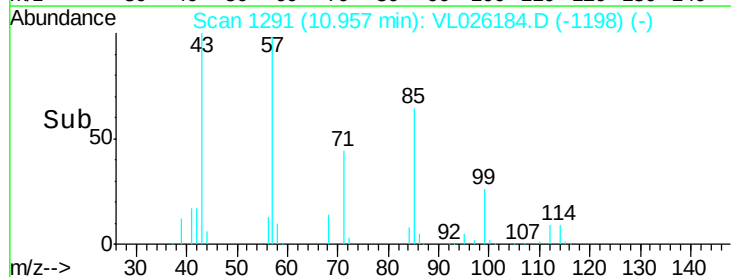
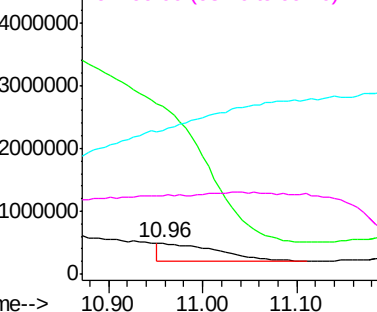


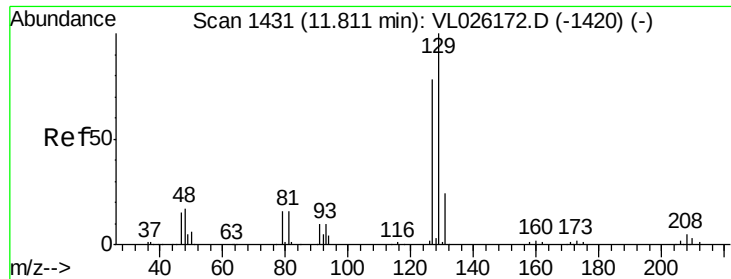
Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

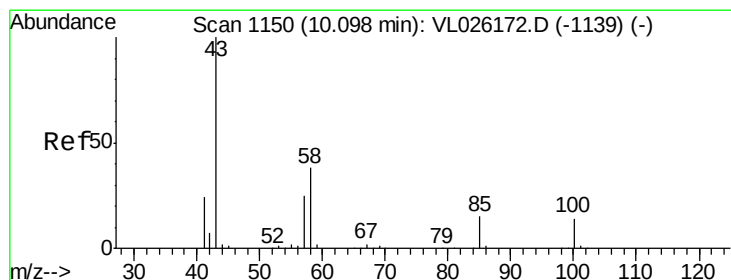
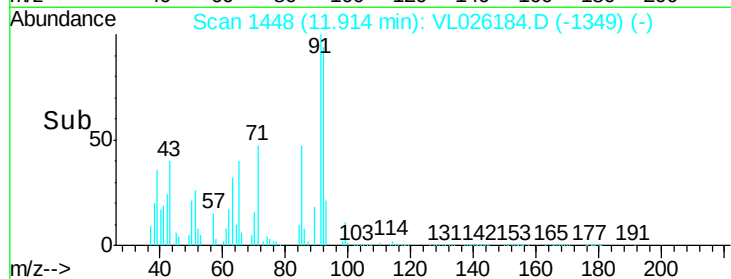
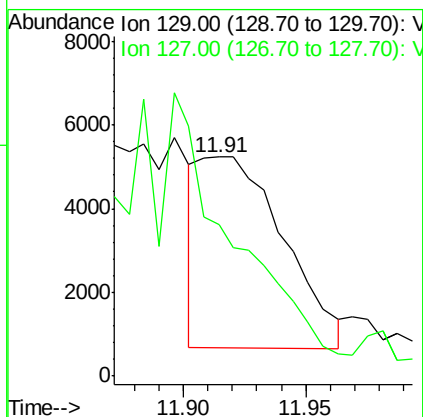
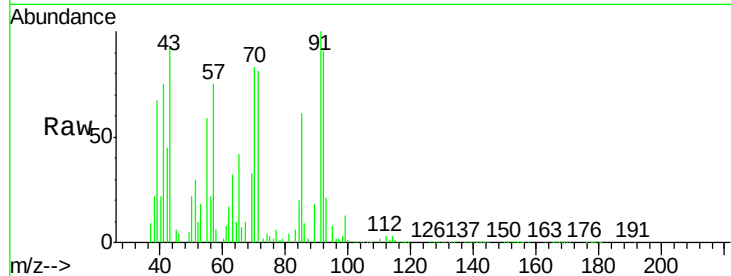




#48
 Dibromochloromethane
 Concen: 0.24 ppbv
 RT: 11.91 min Scan# 1448
 Delta R.T. 0.10 min
 Lab File: VL026184.D
 Acq: 9 Oct 2015 20:15

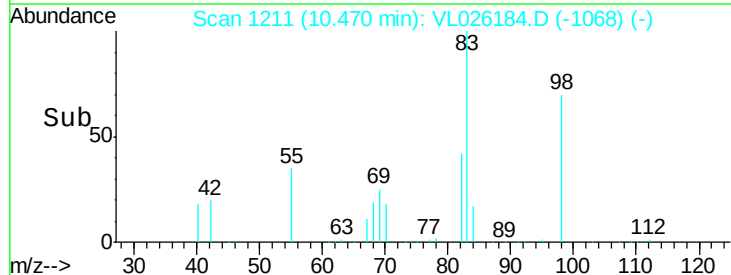
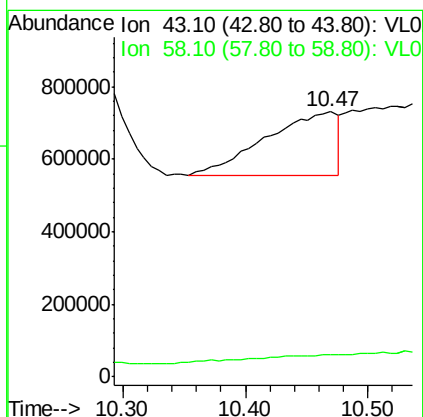
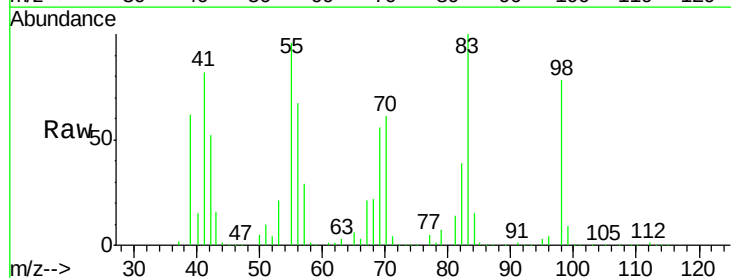
Instrument :
 MSVOA_L
 ClientSampleId :

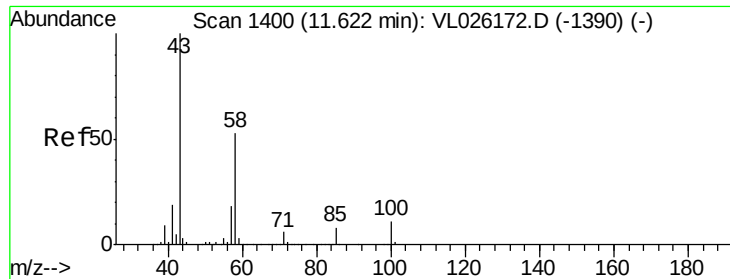
Tot Ion:129 Resp: 10879
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.0 117.0#



#50
 4-Methyl-2-Pentanone
 Concen: 12.98 ppbv
 RT: 10.47 min Scan# 1211
 Delta R.T. 0.37 min
 Lab File: VL026184.D
 Acq: 9 Oct 2015 20:15

Tgt Ion: 43 Resp: 721791
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.4 45.6#





#51

2-Hexanone

Concen: 885.43 ppbv

RT: 11.77 min Scan# 1424

Delta R.T. 0.15 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

ClientSampleId :

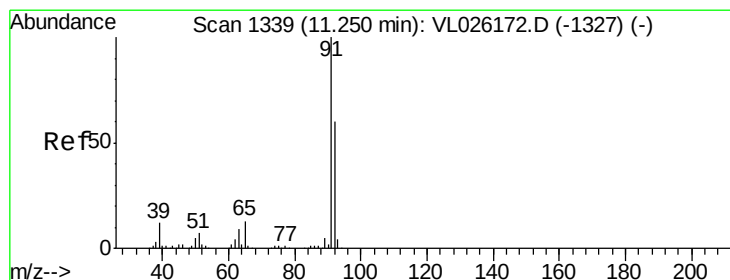
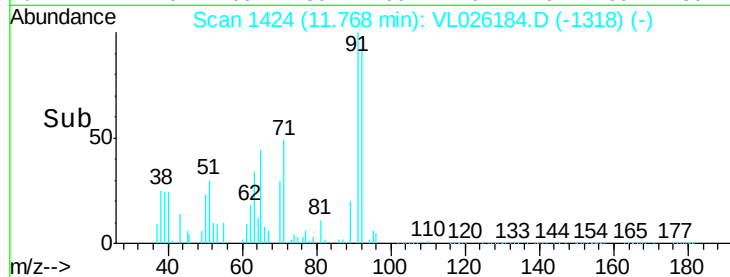
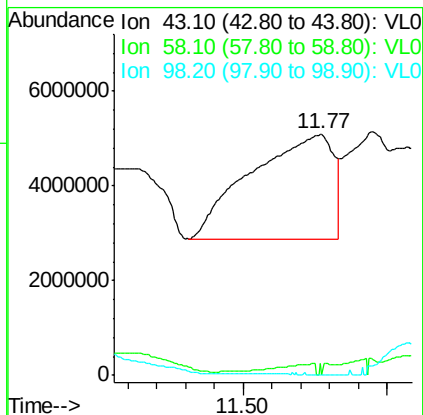
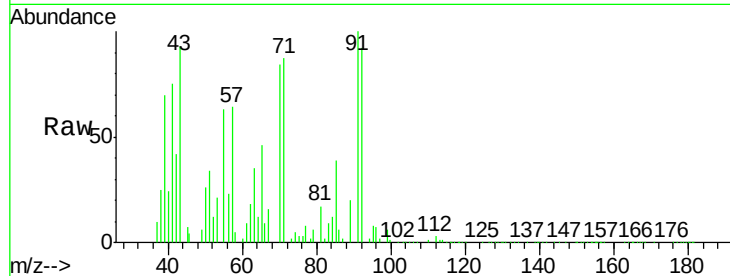
Tot Ion: 43 Resp:44255184

Ion Ratio Lower Upper

43 100

58 4.4 42.2 63.4#

98 0.7 0.2 0.2#



#53

Toluene

Concen: 1107.25 ppbv

RT: 11.66 min Scan# 1407

Delta R.T. 0.41 min

Lab File: VL026184.D

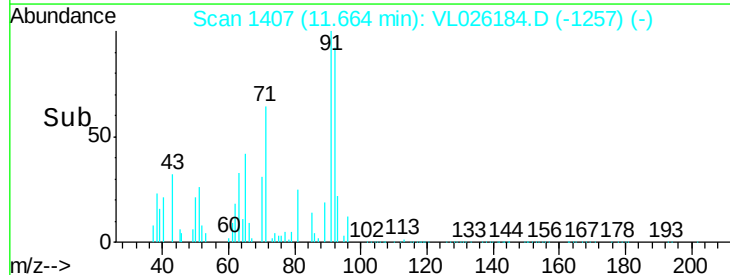
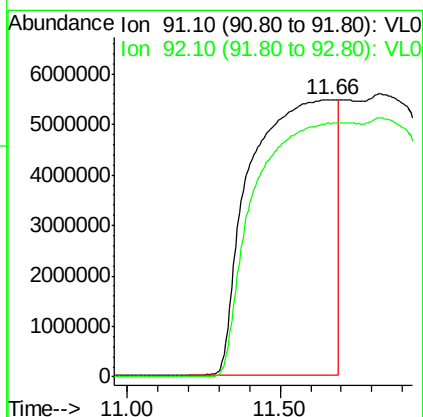
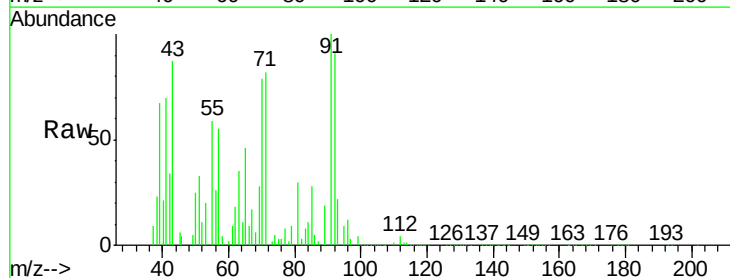
Acq: 9 Oct 2015 20:15

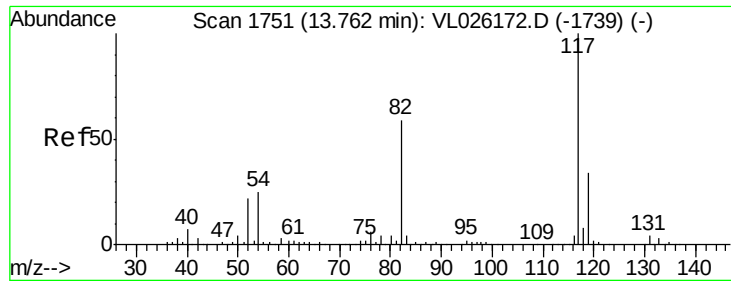
Tgt Ion: 91 Resp:103075242

Ion Ratio Lower Upper

91 100

92 107.6 48.5 72.7#

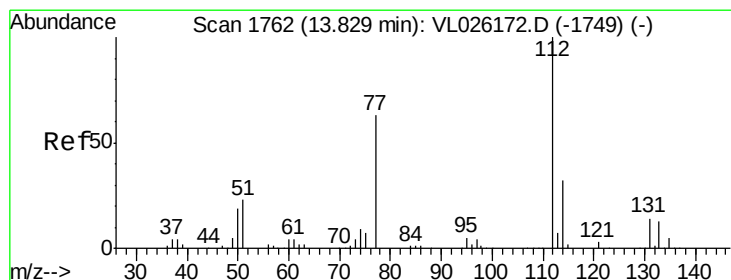
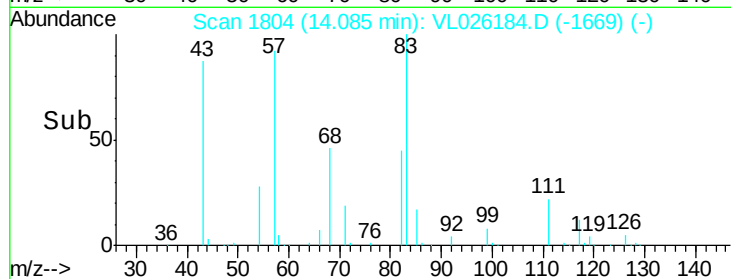
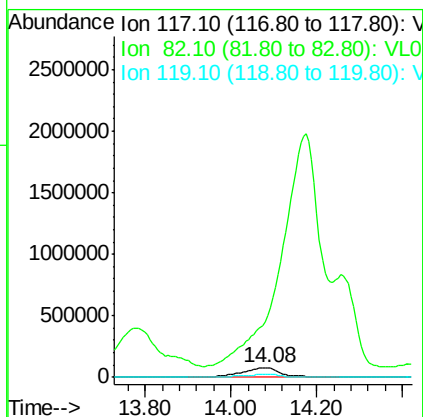
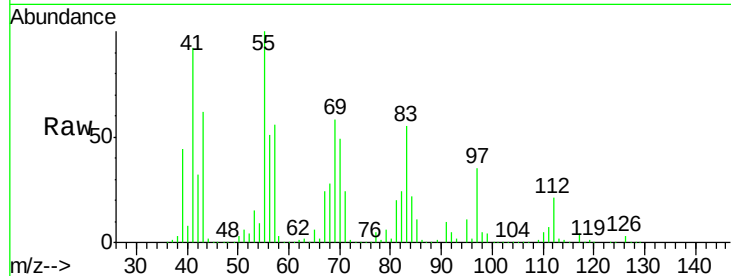




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 14.08 min Scan# 1804
Delta R.T. 0.32 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

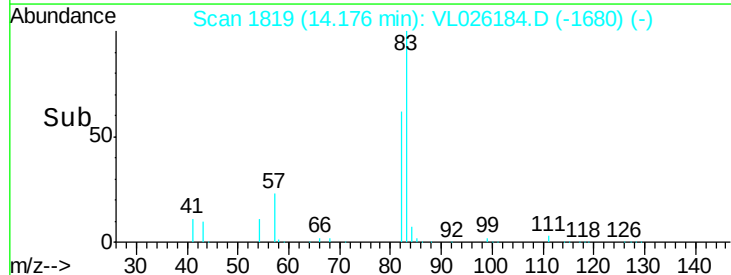
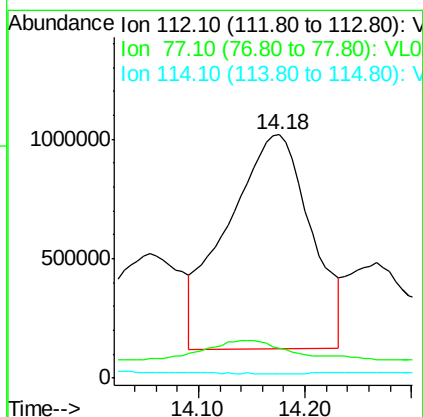
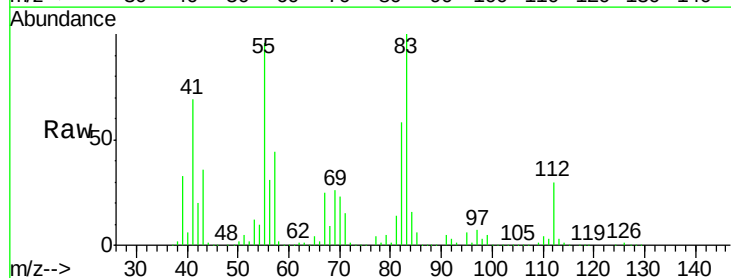
Instrument :
MSVOA_L
ClientSampleId :

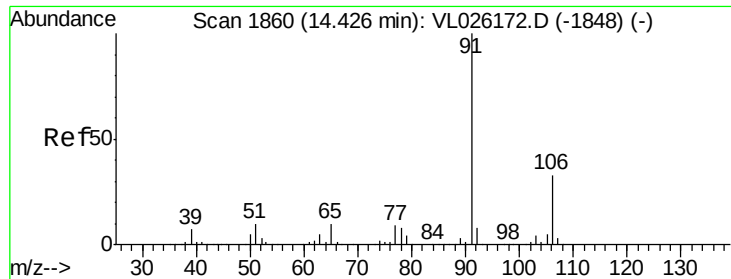
Tot Ion:117 Resp: 496981
Ion Ratio Lower Upper
117 100
82 0.0 47.7 71.5#
119 32.1 43.7 65.5#



#57
Chlorobenzene
Concen: 109.07 ppbv
RT: 14.18 min Scan# 1819
Delta R.T. 0.35 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion:112 Resp: 4892462
Ion Ratio Lower Upper
112 100
77 5.3 51.0 76.4#
114 0.0 29.0 35.4#





#58

Ethyl Benzene

Concen: 133.65 ppbv

RT: 14.77 min Scan# 1917

Delta R.T. 0.35 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

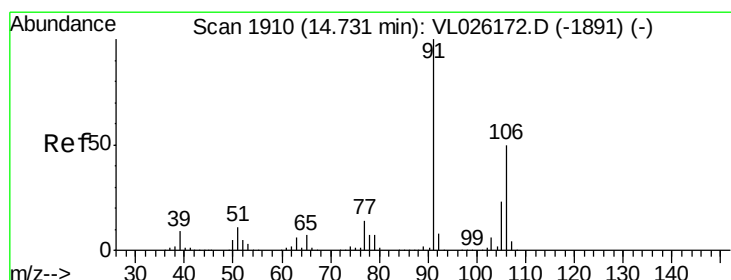
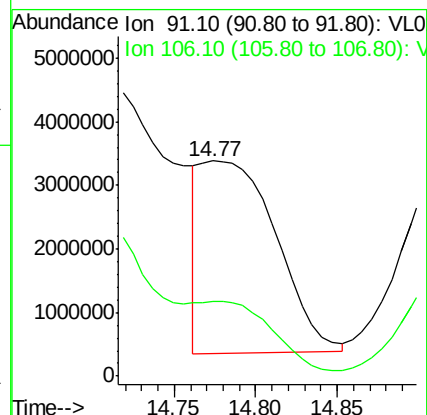
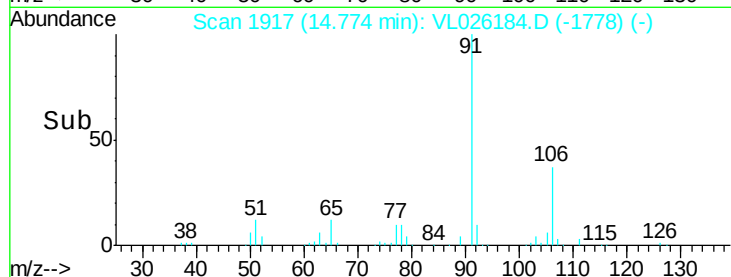
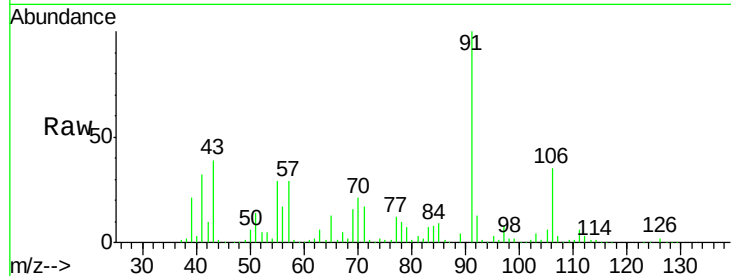
ClientSampled :

Tot Ion: 91 Resp: 9648278

Ion Ratio Lower Upper

91 100

106 38.0 26.1 39.1



#59

m/p-Xylene

Concen: 238.33 ppbv

RT: 15.04 min Scan# 1961

Delta R.T. 0.31 min

Lab File: VL026184.D

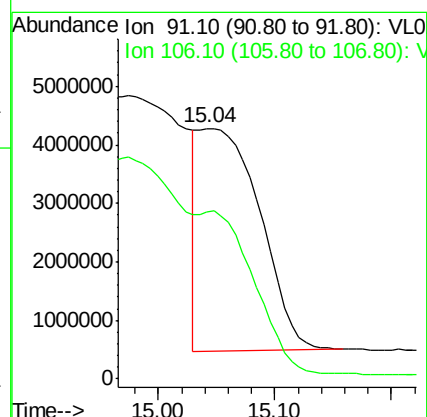
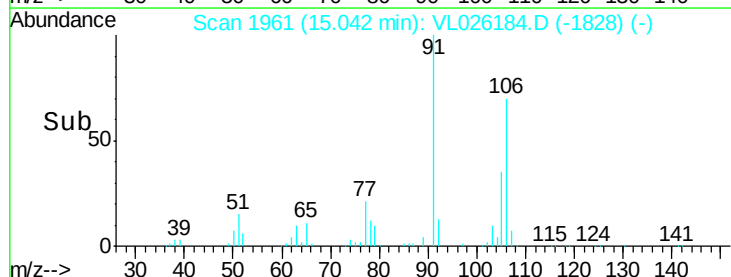
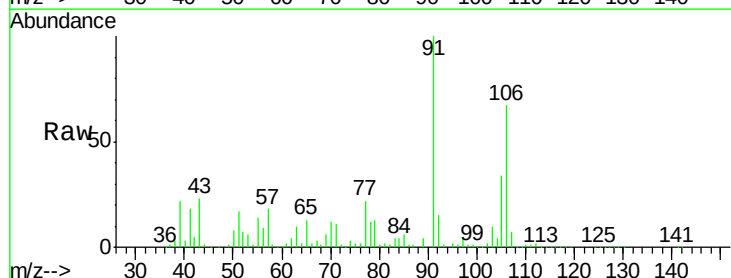
Acq: 9 Oct 2015 20:15

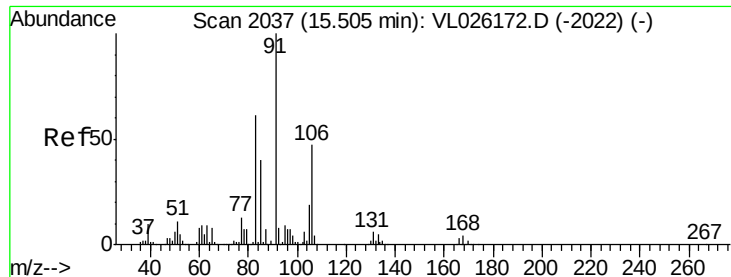
Tgt Ion: 91 Resp: 13806599

Ion Ratio Lower Upper

91 100

106 0.0 40.2 60.4#

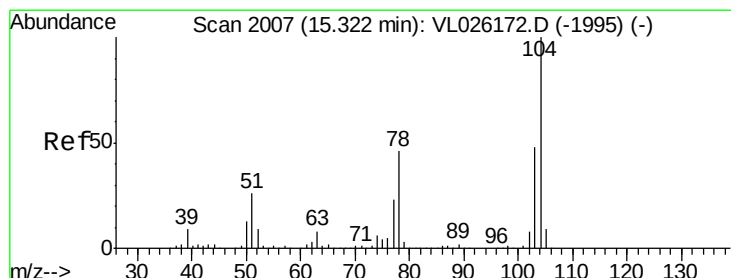
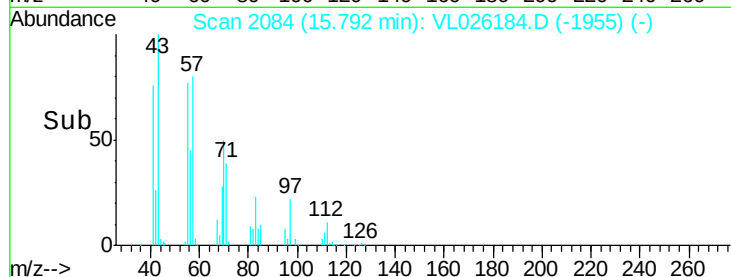
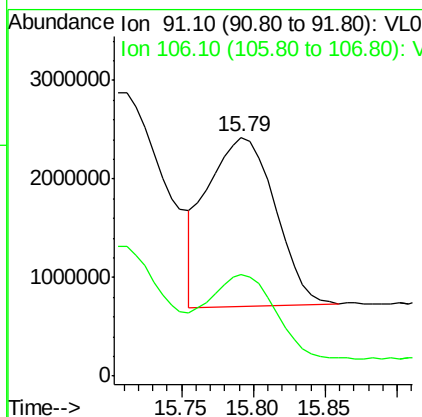
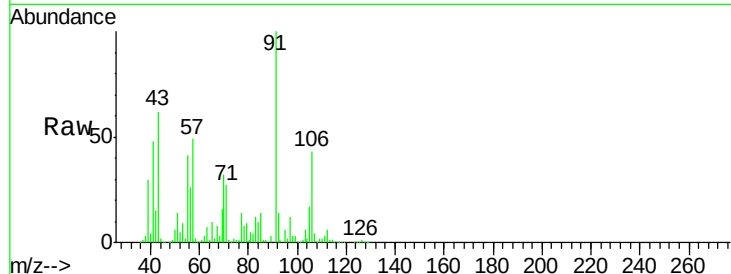




#60
o-Xylene
Concen: 92.21 ppbv
RT: 15.79 min Scan# 2084
Delta R.T. 0.29 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

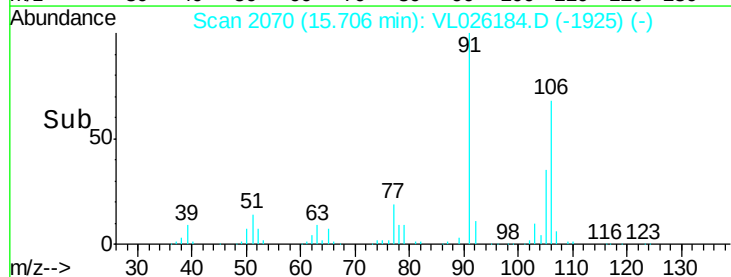
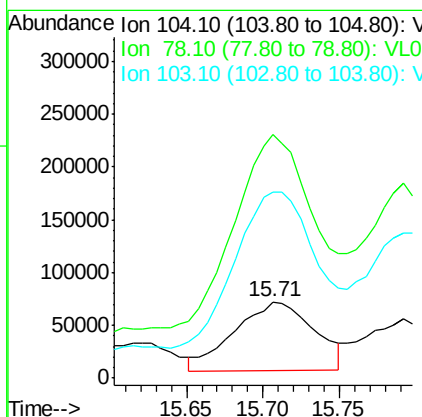
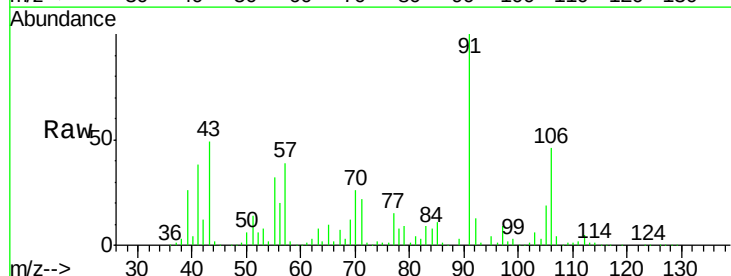
Instrument :
MSVOA_L
ClientSampled :

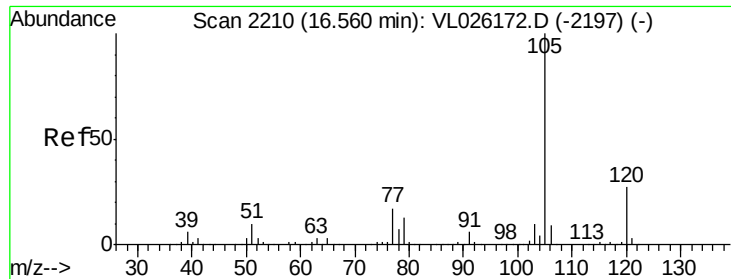
Tot Ion: 91 Resp: 5597991
Ion Ratio Lower Upper
91 100
106 47.2 23.4 70.3



#61
Styrene
Concen: 9.52 ppbv
RT: 15.71 min Scan# 2070
Delta R.T. 0.38 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion: 104 Resp: 236426
Ion Ratio Lower Upper
104 100
78 334.3 36.1 54.1#
103 278.3 37.5 56.3#





#62

Isopropylbenzene

Concen: 0.85 ppbv

RT: 16.78 min Scan# 2246

Delta R.T. 0.22 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

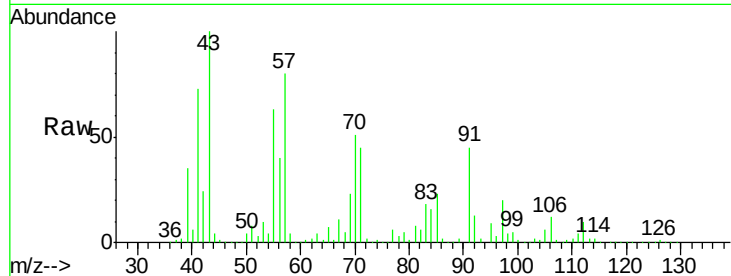
ClientSampleId :

Tot Ion:105 Resp: 67822

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.78

120000

100000

80000

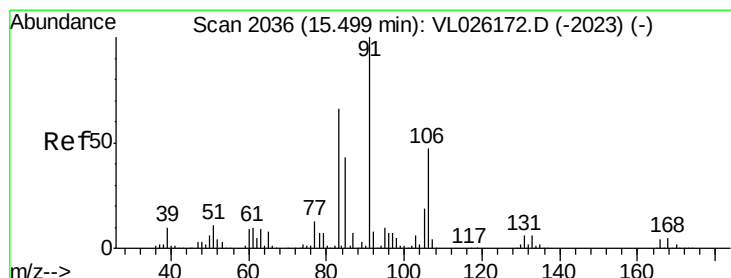
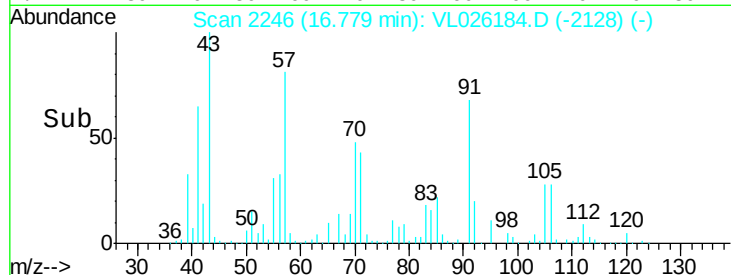
60000

40000

20000

0

Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 3.80 ppbv

RT: 15.86 min Scan# 2095

Delta R.T. 0.36 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

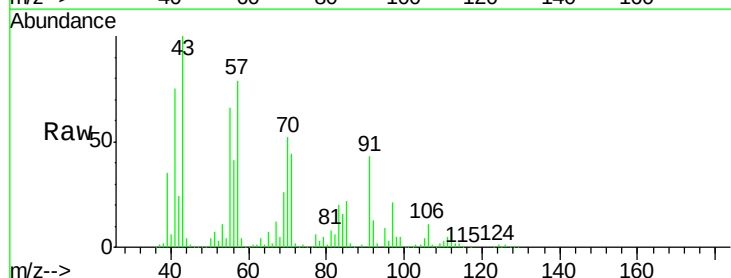
Tgt Ion: 83 Resp: 171581

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

85 0.0 32.6 97.7#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

500000

400000

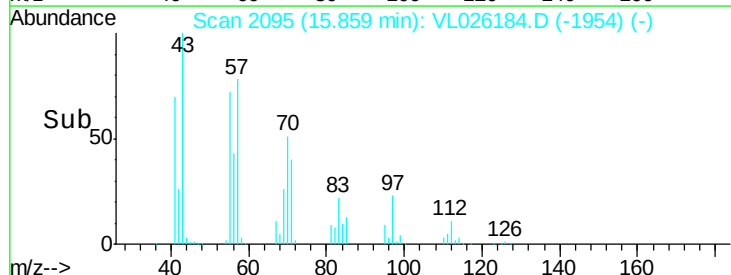
300000

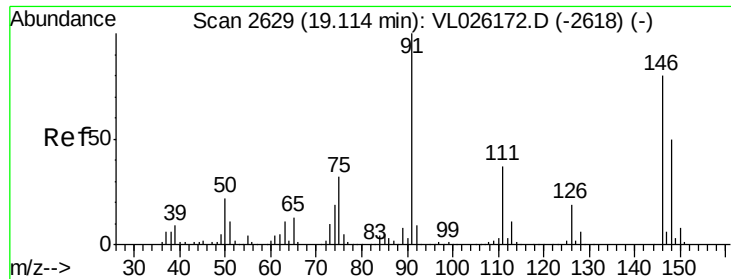
200000

100000

0

Time-->





#66

Benzyl Chloride

Concen: 0.66 ppbv

RT: 19.57 min Scan# 2703

Delta R.T. 0.45 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

ClientSampled :

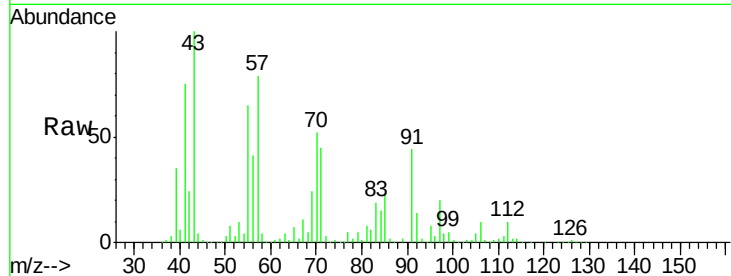
Tot Ion: 91 Resp: 13940

Ion Ratio Lower Upper

91 100

126 0.0 15.2 22.8#

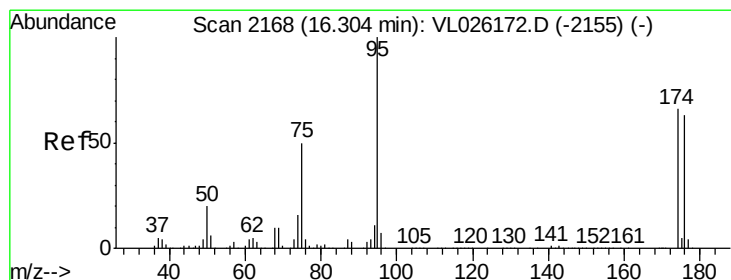
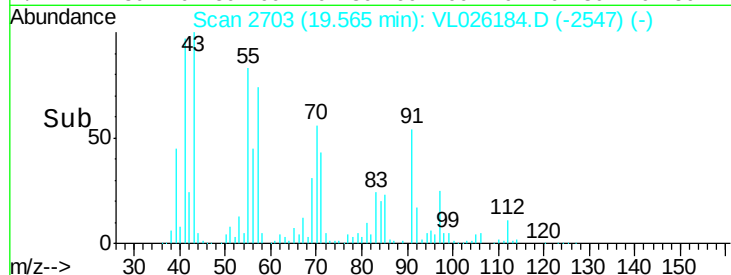
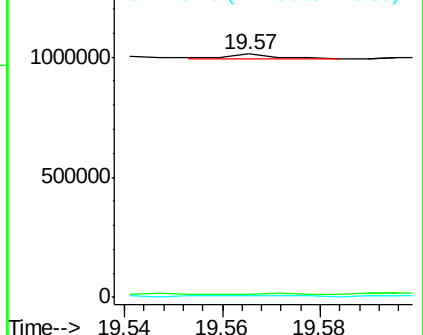
128 0.0 4.8 7.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 0.02 ppbv

RT: 16.68 min Scan# 2230

Delta R.T. 0.38 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

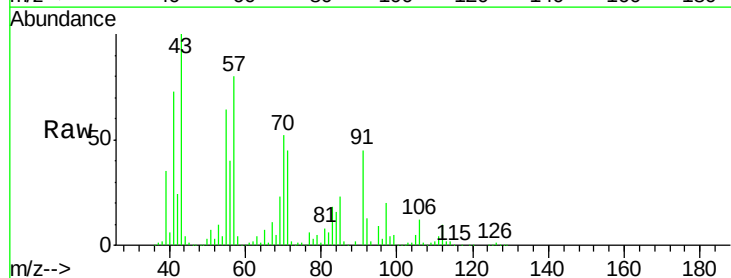
Tgt Ion: 95 Resp: 796

Ion Ratio Lower Upper

95 100

174 0.0 52.2 78.4#

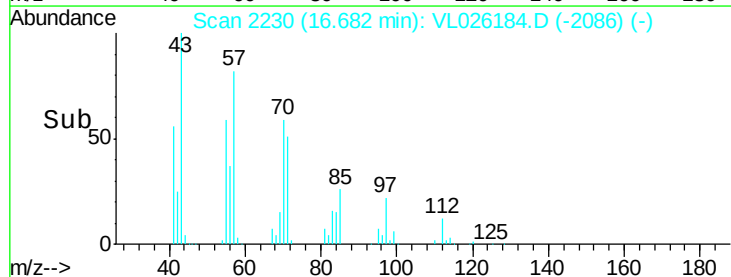
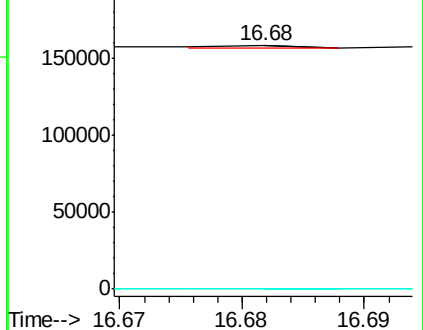
175 0.0 3.9 5.9#

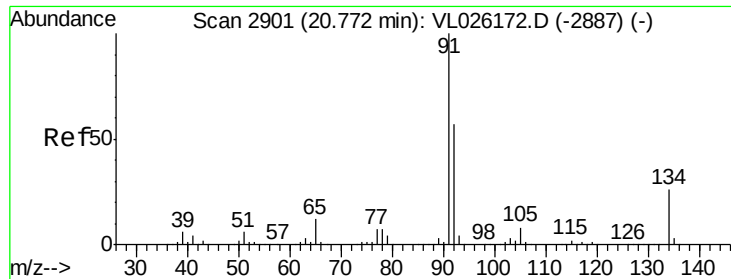


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

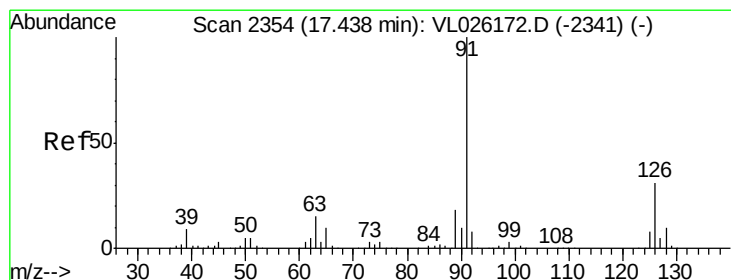
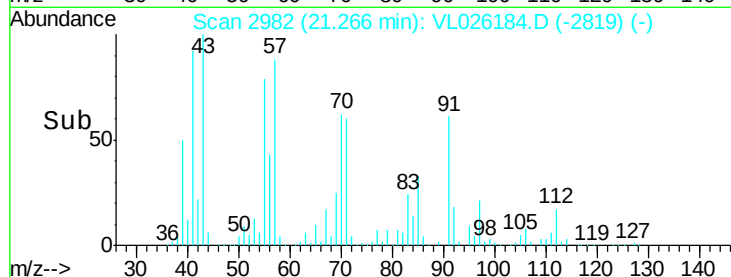
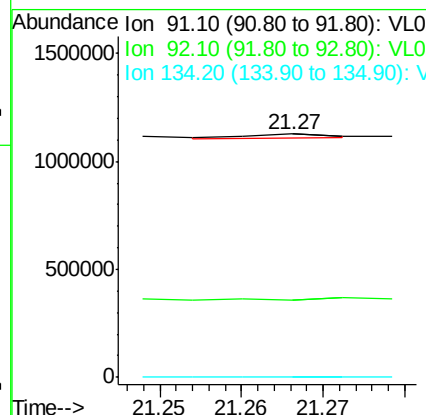
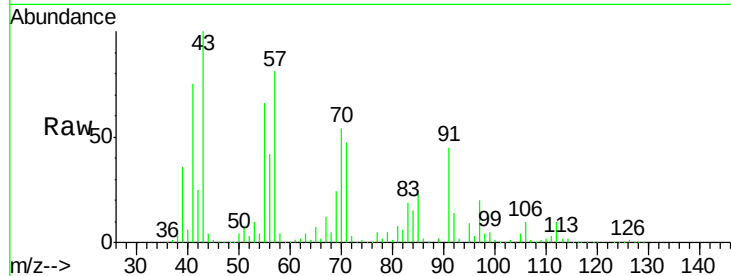




#70
n-Butylbenzene
Concen: 0.16 ppbv
RT: 21.27 min Scan# 2982
Delta R.T. 0.49 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

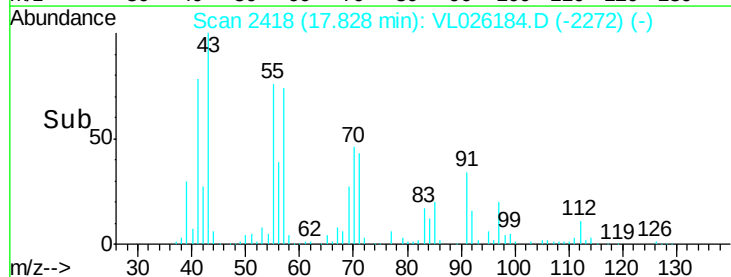
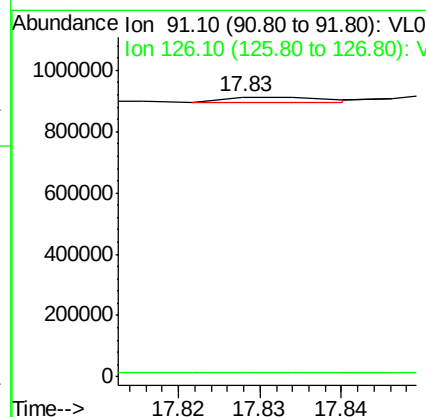
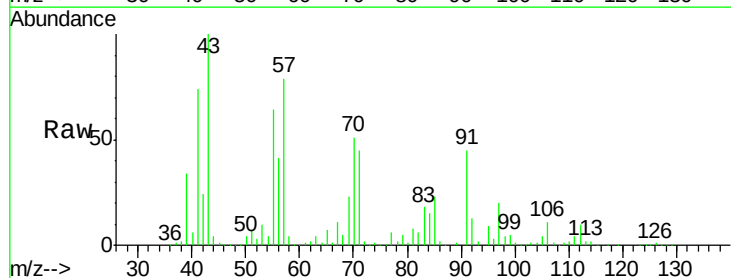
Instrument :
MSVOA_L
ClientSampleId :

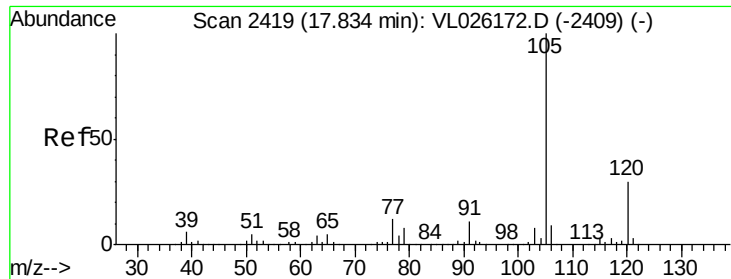
Tot Ion: 91 Resp: 12357
Ion Ratio Lower Upper
91 100
92 0.0 45.0 67.6#
134 0.0 19.8 29.8#



#71
2-Chlorotoluene
Concen: 0.26 ppbv
RT: 17.83 min Scan# 2418
Delta R.T. 0.39 min
Lab File: VL026184.D
Acq: 9 Oct 2015 20:15

Tgt Ion: 91 Resp: 15023
Ion Ratio Lower Upper
91 100
126 45.3 12.8 51.2





#72

4-Ethyltoluene

Concen: 0.04 ppbv

RT: 18.25 min Scan# 2488

Delta R.T. 0.42 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 2561

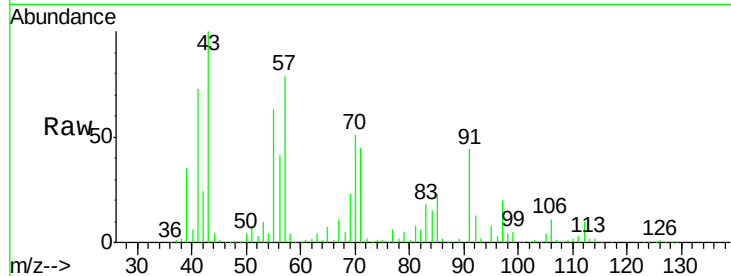
Ion Ratio Lower Upper

105 100

120 0.0 24.7 37.1#

91 0.0 9.2 13.8#

77 0.0 9.8 14.8#

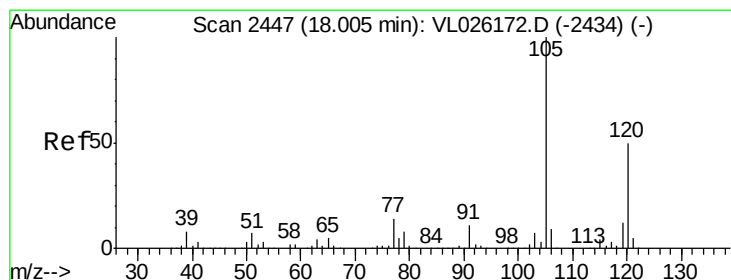
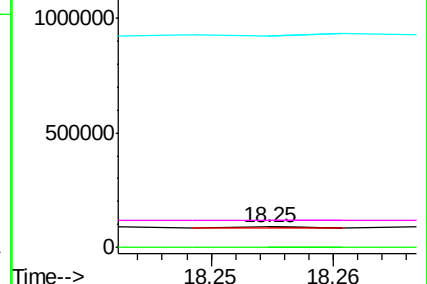
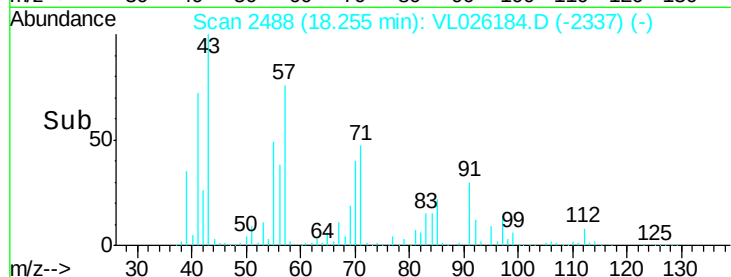


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.08 ppbv

RT: 18.43 min Scan# 2517

Delta R.T. 0.43 min

Lab File: VL026184.D

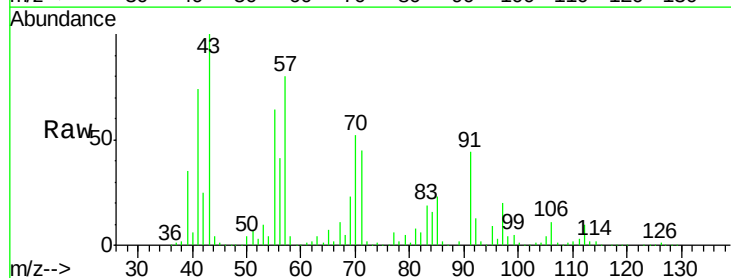
Acq: 9 Oct 2015 20:15

Tgt Ion:105 Resp: 4706

Ion Ratio Lower Upper

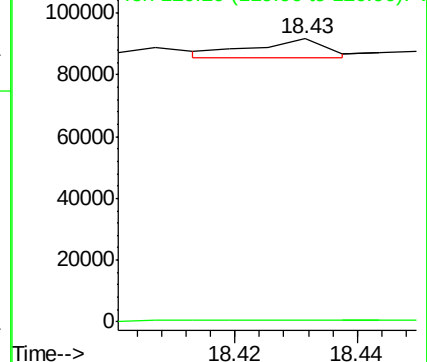
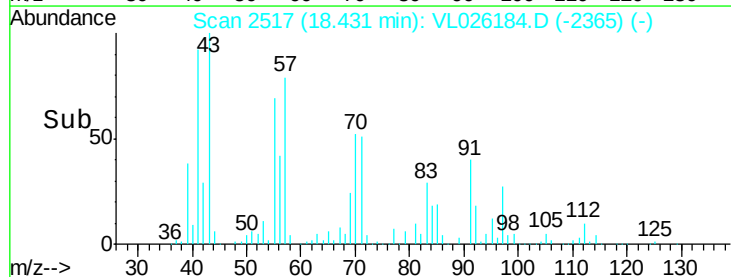
105 100

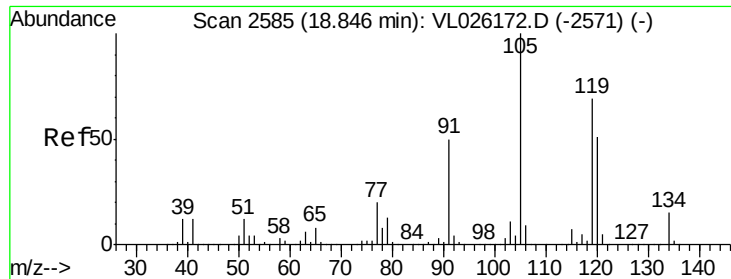
120 1.6 40.1 60.1#



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: 0.07 ppbv

RT: 19.29 min Scan# 2658

Delta R.T. 0.45 min

Lab File: VL026184.D

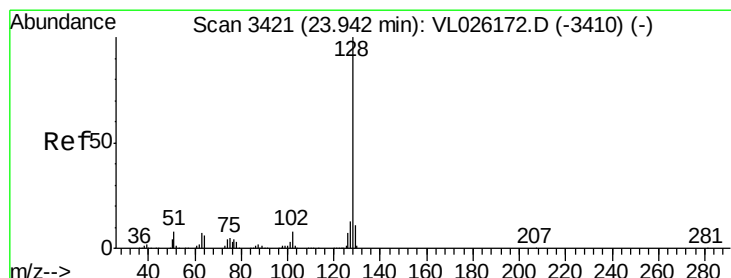
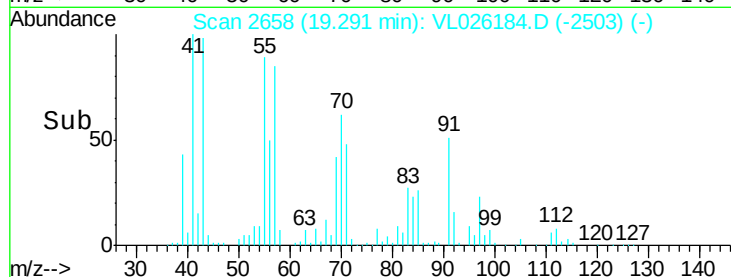
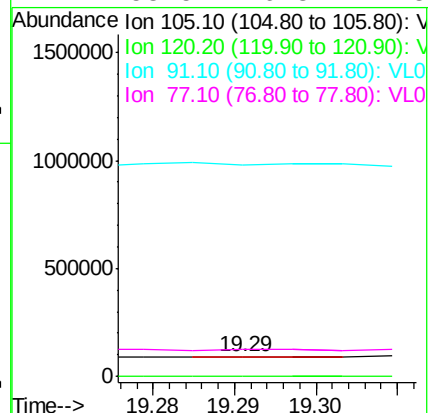
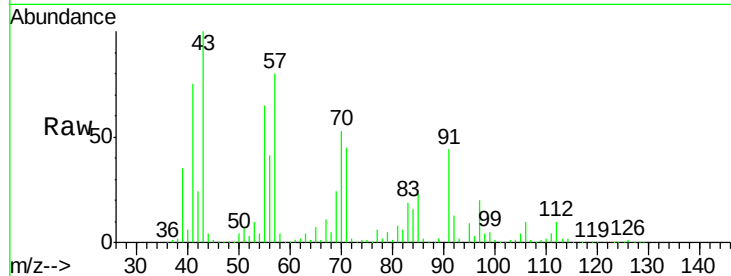
Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	4165
Ion	Ratio	Lower	Upper
105	100		
120	1.3	41.1	61.7#
91	0.0	39.8	59.6#
77	153.5	16.3	24.5#



#79

Naphthalene

Concen: 0.07 ppbv

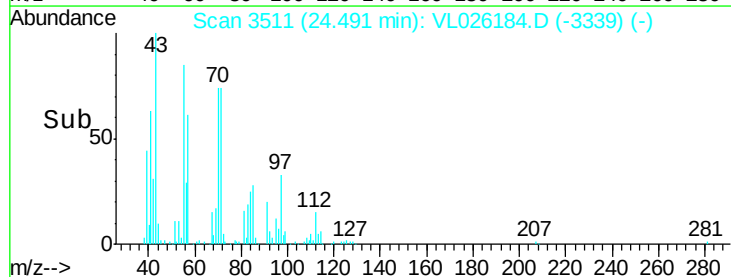
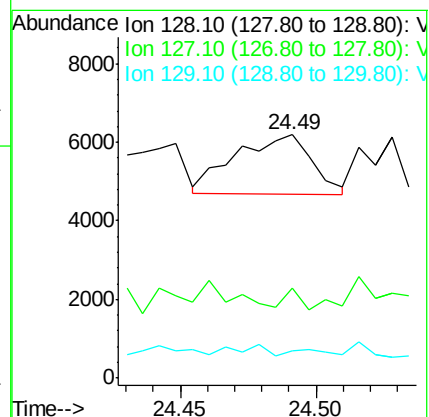
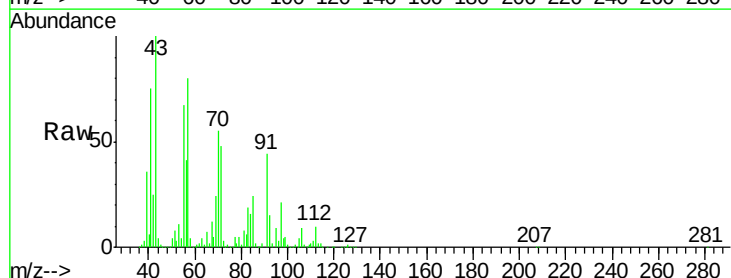
RT: 24.49 min Scan# 3511

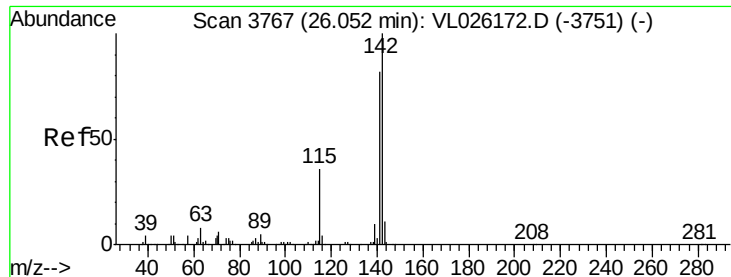
Delta R.T. 0.55 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Tgt Ion:	128	Resp:	2910
Ion	Ratio	Lower	Upper
128	100		
127	33.8	10.2	15.2#
129	6.8	8.7	13.1#





#80

Naphthalene, 2-methyl-

Concen: 20.28 ppbv

RT: 26.61 min Scan# 3859

Delta R.T. 0.56 min

Lab File: VL026184.D

Acq: 9 Oct 2015 20:15

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:142 Resp: 182438

Ion Ratio Lower Upper

142 100

141 220.5 66.6 99.8#

115 929.3 28.4 42.6#

