

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026185.D
 Acq On : 9 Oct 2015 20:56
 Operator : SY/MD
 Sample : G3973-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 10 00:14:15 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	722125	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.40	114	563651	10.00	ppbv	0.07
55) Chlorobenzene-d5	14.07	117	390778	10.00	ppbv	0.31

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	16.66	95	1628	0.05	ppbv	0.36	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	0.50%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.64	85	41851	0.31	ppbv	96
3) Chlorodifluoromethane	3.56	51	252389	2.99	ppbv #	80
4) Chloromethane	3.75	50	13735	0.29	ppbv	95
6) Bromomethane	4.15	94	3896	0.11	ppbv	93
7) Chloroethane	4.25	64	896	0.04	ppbv #	42
9) Propene	3.59	41	248257	6.41	ppbv	98
10) Heptane	9.37	43	38277	0.28	ppbv #	26
11) Trichlorofluoromethane	4.71	101	32275	0.24	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	5.33	101	7811	0.09	ppbv	93
13) Ethanol	4.34	45	178664	31.37	ppbv	97
15) Acetone	4.61	43	13354181	143.07	ppbv #	81
16) 1,3-Butadiene	4.00	39	148289	3.44	ppbv #	7
17) tert-Butyl alcohol	5.17	59	43787	0.78	ppbv #	71
19) Isopropyl Alcohol	4.78	45	168327	4.63	ppbv #	94
20) Methylene Chloride	5.17	84	34249	0.86	ppbv #	66
21) Allyl Chloride	5.19	41	3048058	50.04	ppbv #	63
23) Vinyl Acetate	6.07	43	68689175	415.79	ppbv #	5
24) 1,1-Dichloroethane	5.99	63	158647	1.41	ppbv #	85
25) Ethyl Acetate	6.78	43	31478074	174.40	ppbv #	78
26) Hexane	6.57	57	3679036	42.09	ppbv #	1
27) Carbon Disulfide	5.41	76	73889	0.71	ppbv #	1
28) Methyl tert-Butyl Ether	5.98	73	202503	1.44	ppbv #	54
30) Cyclohexane	8.41	84	40859240	490.59	ppbv #	73
34) 2-Butanone	6.39	43	21091501	672.26	ppbv #	54
35) Carbon Tetrachloride	8.24	117	1617	0.05	ppbv #	53
36) Benzene	8.11	78	36072113	669.14	ppbv #	54
37) 1,2-Dichloroethane	7.49	62	390693	13.53	ppbv #	1
39) 1,2-Dichloropropane	8.90	63	2707	0.14	ppbv #	1
40) 1,4-Dioxane	9.21	88	122	0.04	ppbv #	1
41) Tetrahydrofuran	7.24	42	2865293	162.15	ppbv #	40
42) Bromodichloromethane	9.17	83	5673538	149.27	ppbv #	29
43) Methyl Methacrylate	9.23	69	8735049	460.06	ppbv #	82
44) 2,2,4-Trimethylpentane	9.45	57	40500866	451.84	ppbv #	68
45) t-1,3-Dichloropropene	10.75	75	2539	0.10	ppbv #	1
47) 1,1,2-Trichloroethane	10.92	97	2135325	88.89	ppbv #	1
48) Dibromochloromethane	11.92	129	5172	0.15	ppbv #	10
50) 4-Methyl-2-Pentanone	10.40	43	112358	2.71	ppbv #	37
51) 2-Hexanone	11.76	43	42384433	1136.37	ppbv #	31
57) Chlorobenzene	14.18	112	5657087	160.39	ppbv #	31
58) Ethyl Benzene	14.70	91	47385121	834.81	ppbv #	52
59) m/p-Xylene	15.05	91	11061751	242.84	ppbv #	27

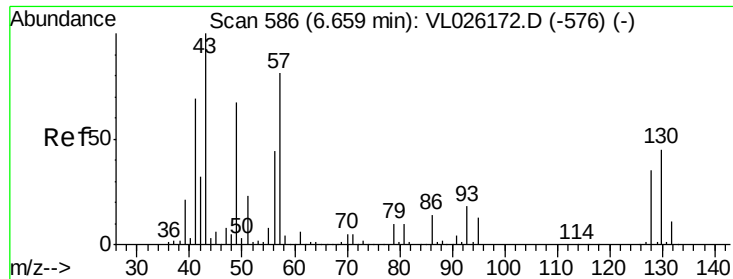
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026185.D
 Acq On : 9 Oct 2015 20:56
 Operator : SY/MD
 Sample : G3973-01DUP
 Misc : 400mL/MSVOA L
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Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 10 00:14:15 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	15.80	91	7408880	155.21	ppbv	96
61) Styrene	15.64	104	29798	1.53	ppbv #	30
62) Isopropylbenzene	17.07	105	5422	0.09	ppbv	92
63) 1,1,2,2-Tetrachloroethane	15.87	83	179282	5.05	ppbv #	25
64) n-propylbenzene	17.93	120	2007	0.12	ppbv #	1
66) Benzyl Chloride	19.55	91	18804	1.14	ppbv #	44
67) sec-Butylbenzene	19.86	105	2449	0.03	ppbv #	57
70) n-Butylbenzene	21.24	91	27083	0.46	ppbv #	31
71) 2-Chlorotoluene	17.87	91	8948	0.19	ppbv	99
72) 4-Ethyltoluene	18.24	105	1952	0.04	ppbv #	1
73) 1,3,5-Trimethylbenzene	18.41	105	1465	0.03	ppbv #	45
74) 1,2,4-Trimethylbenzene	19.28	105	3167	0.06	ppbv #	1
80) Naphthalene,2-methyl-	26.66	142	39545	5.59	ppbv #	1

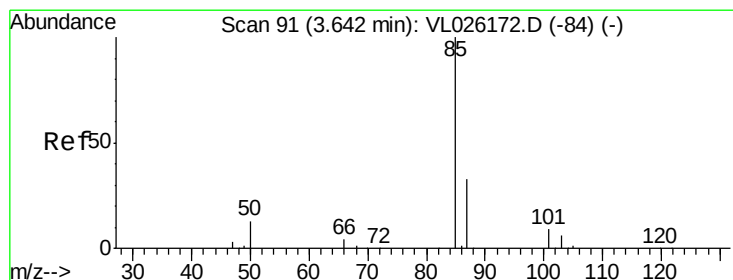
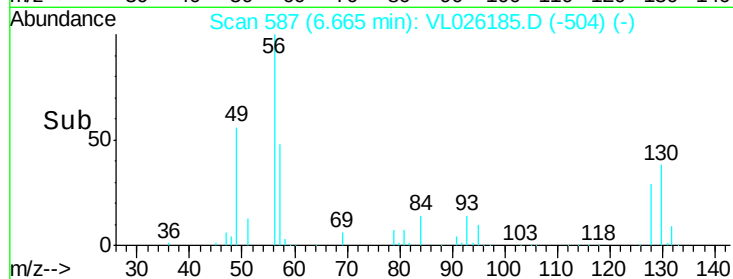
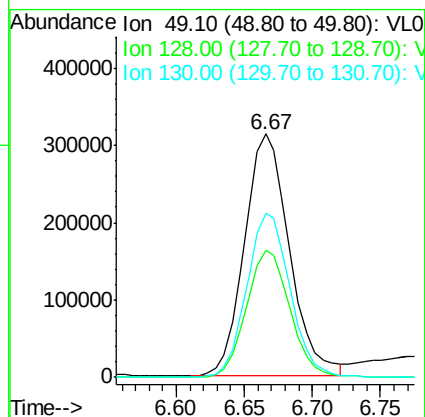
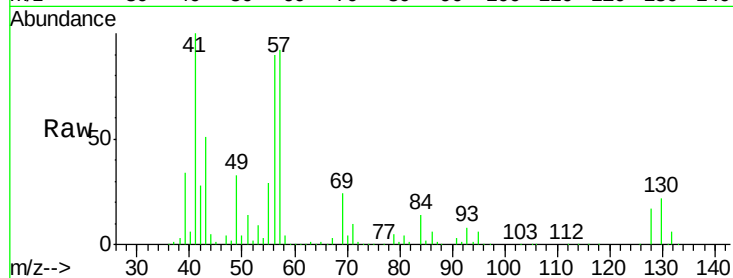
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.67 min Scan# 587
Delta R.T. 0.01 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

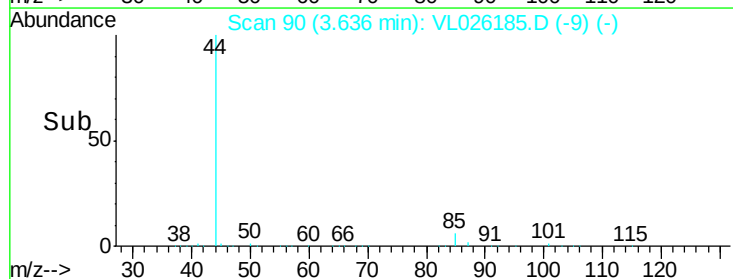
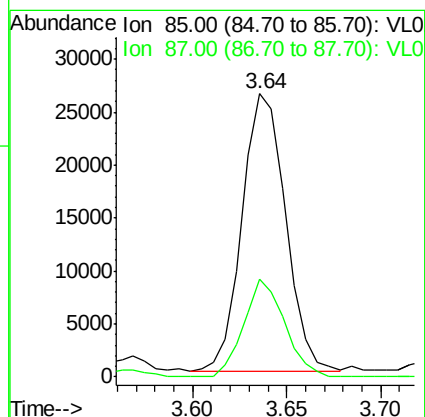
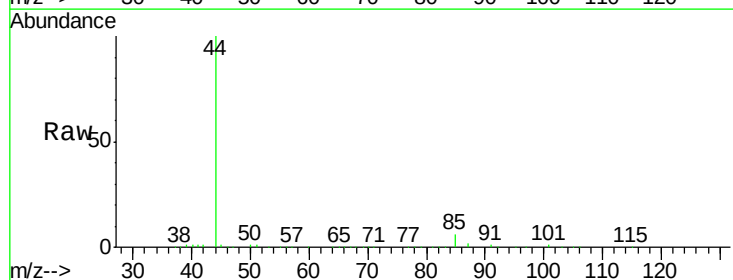
Instrument :
MSVOA_L
ClientSampled :

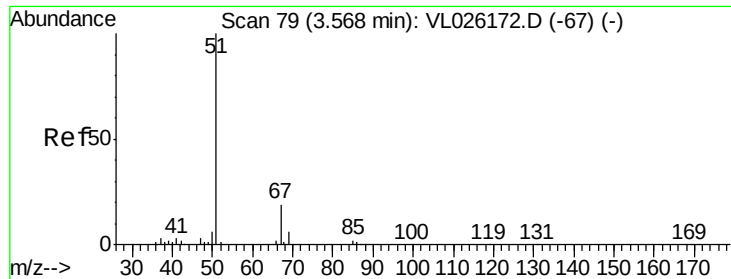
Tot Ion: 49 Resp: 722125
Ion Ratio Lower Upper
49 100
128 51.4 26.3 78.8
130 65.8 34.2 102.5



#2
Dichlorodifluoromethane
Concen: 0.31 ppbv
RT: 3.64 min Scan# 90
Delta R.T. -0.01 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

Tgt Ion: 85 Resp: 41851
Ion Ratio Lower Upper
85 100
87 35.2 26.2 39.4





#3

Chlorodifluoromethane

Concen: 2.99 ppbv

RT: 3.56 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Instrument :

MSVOA_L

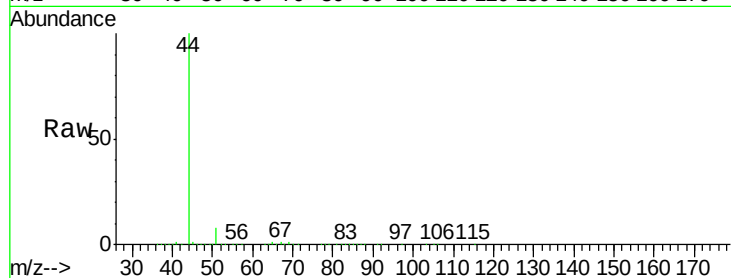
ClientSampleId :

Tot Ion: 51 Resp: 252389

Ion Ratio Lower Upper

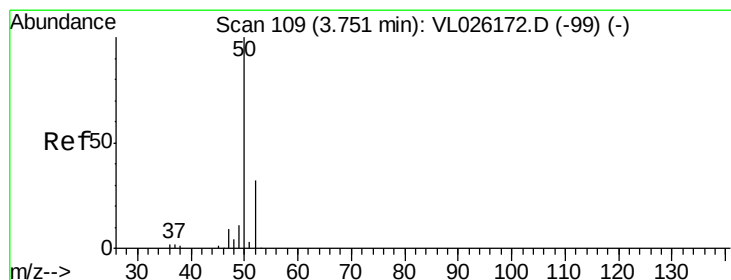
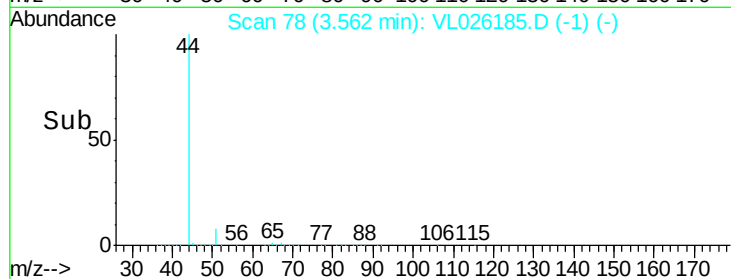
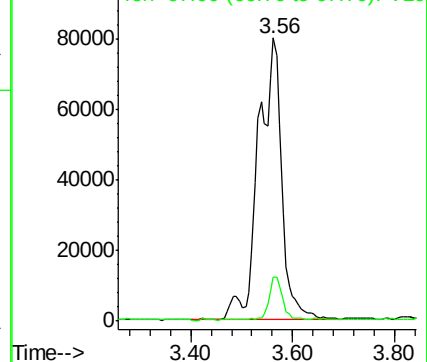
51 100

67 9.6 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: 0.29 ppbv

RT: 3.75 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL026185.D

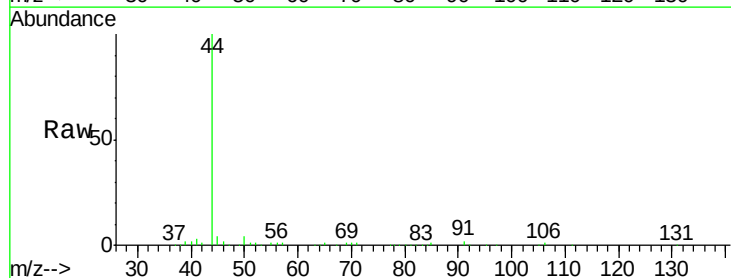
Acq: 9 Oct 2015 20:56

Tgt Ion: 50 Resp: 13735

Ion Ratio Lower Upper

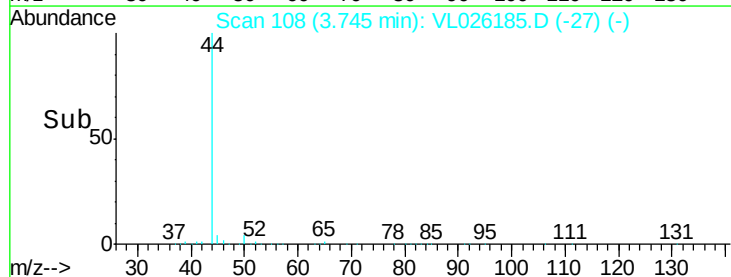
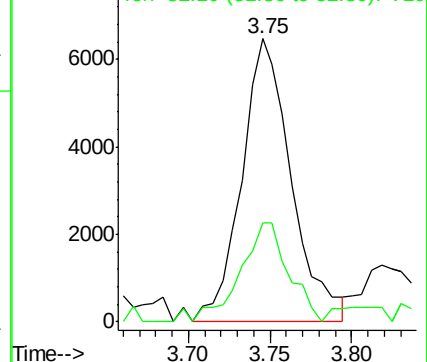
50 100

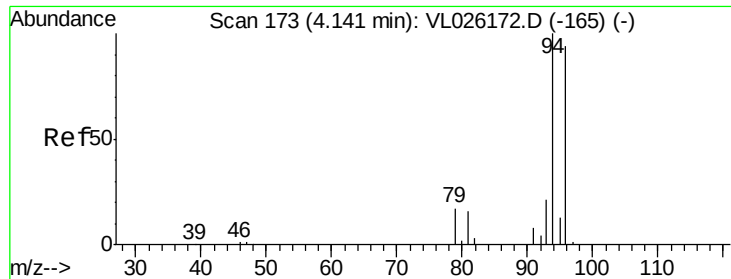
52 35.2 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#6

Bromomethane

Concen: 0.11 ppbv

RT: 4.15 min Scan# 174

Delta R.T. 0.01 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Instrument :

MSVOA_L

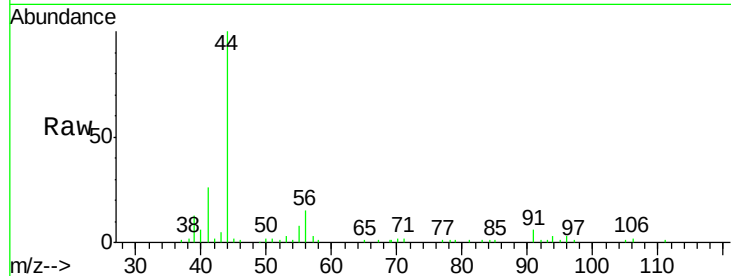
ClientSampleId :

Tot Ion: 94 Resp: 3896

Ion Ratio Lower Upper

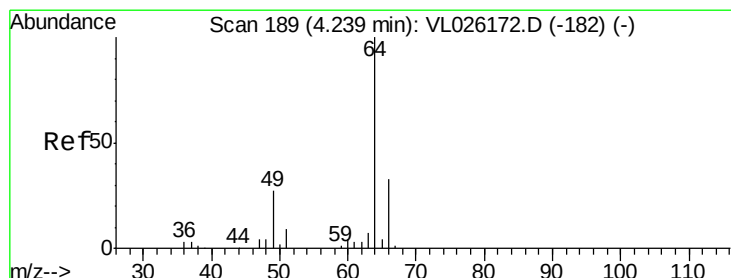
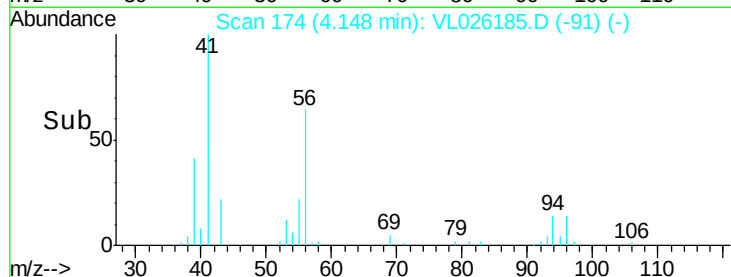
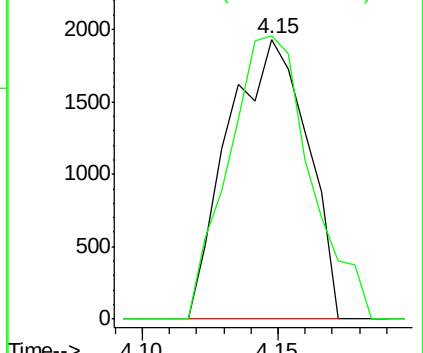
94 100

96 101.1 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



#7

Chloroethane

Concen: 0.04 ppbv

RT: 4.25 min Scan# 190

Delta R.T. 0.01 min

Lab File: VL026185.D

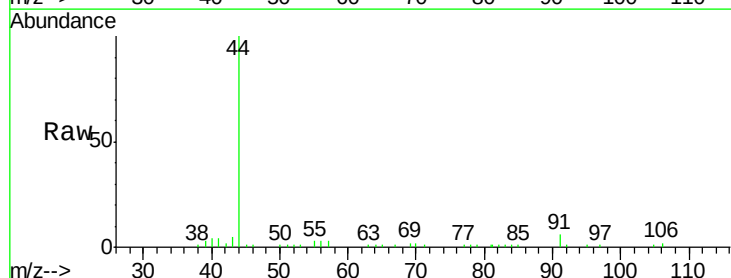
Acq: 9 Oct 2015 20:56

Tgt Ion: 64 Resp: 896

Ion Ratio Lower Upper

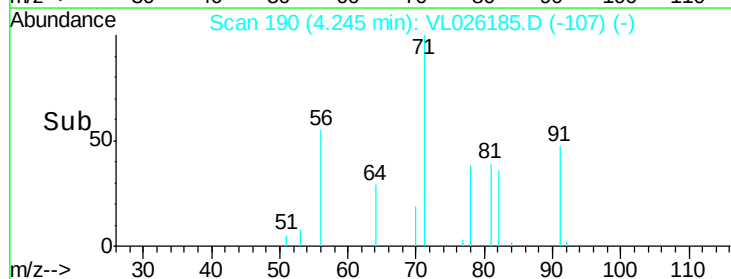
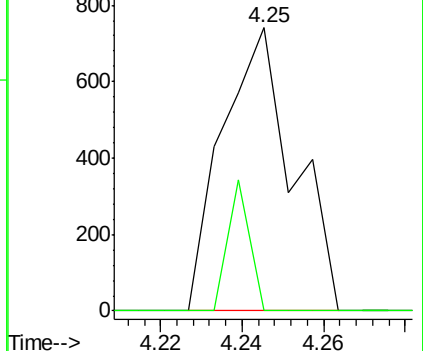
64 100

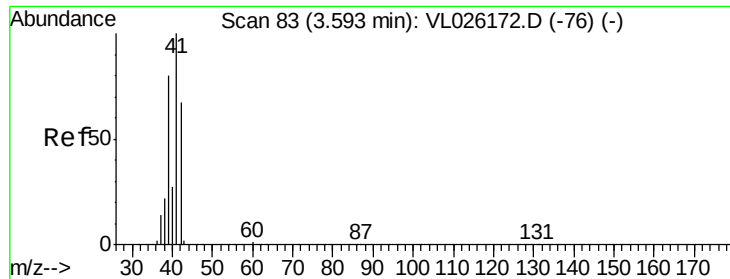
66 0.0 26.5 39.7#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#9

Propene

Concen: 6.41 ppbv

RT: 3.59 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

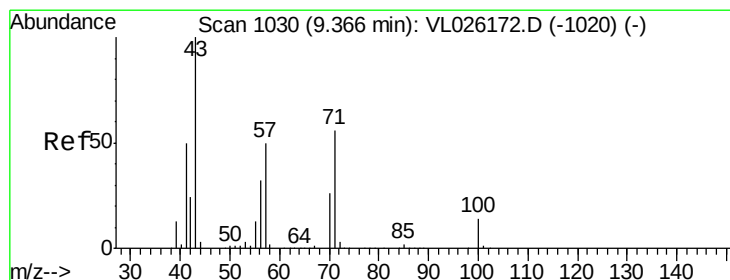
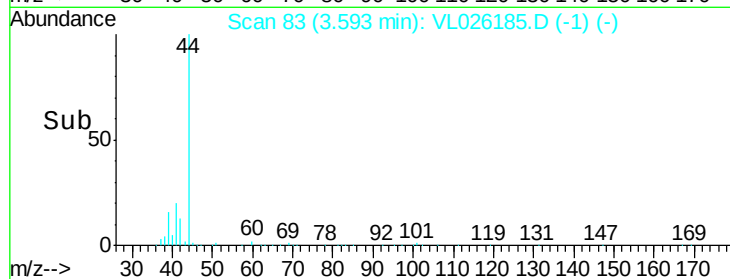
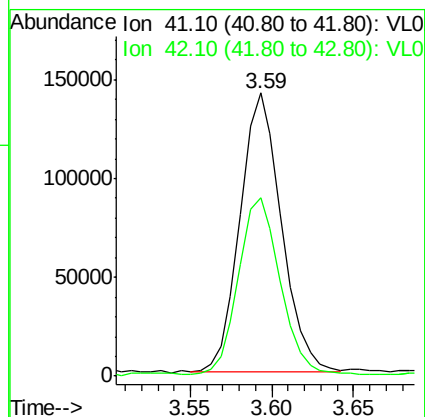
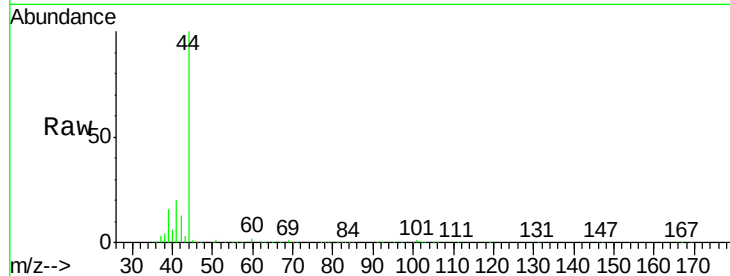
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 248257

Ion Ratio Lower Upper

41 100

42 68.9 53.6 80.4



#10

Heptane

Concen: 0.28 ppbv

RT: 9.37 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VL026185.D

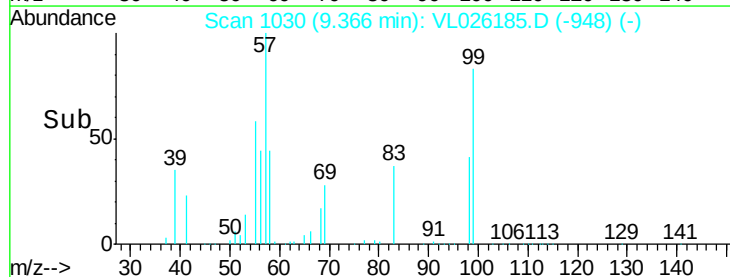
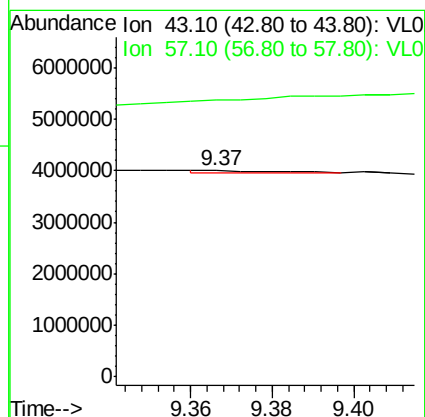
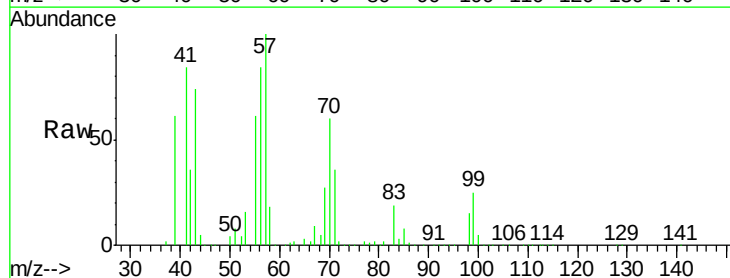
Acq: 9 Oct 2015 20:56

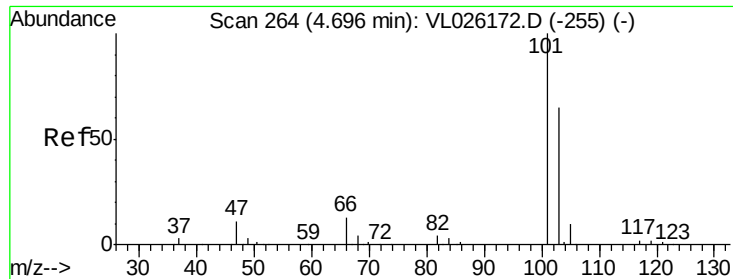
Tgt Ion: 43 Resp: 38277

Ion Ratio Lower Upper

43 100

57 0.0 41.8 62.8#

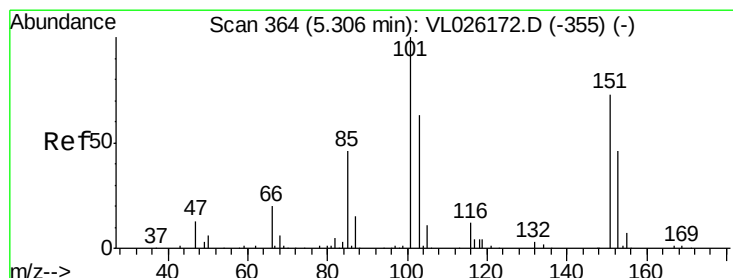
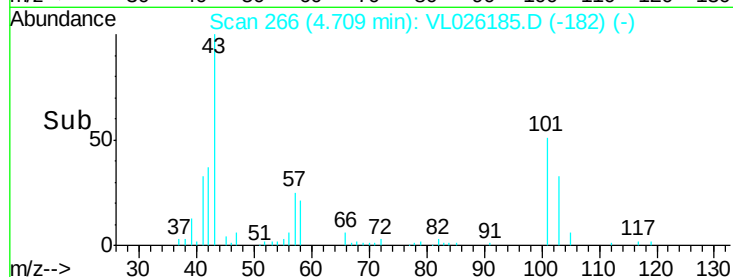
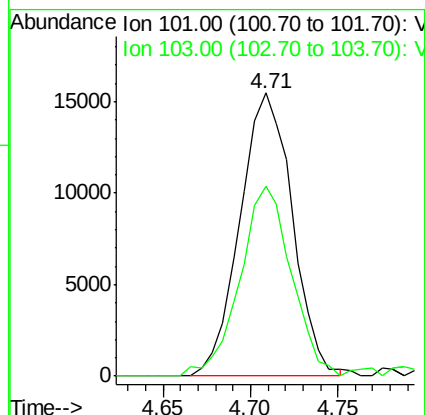
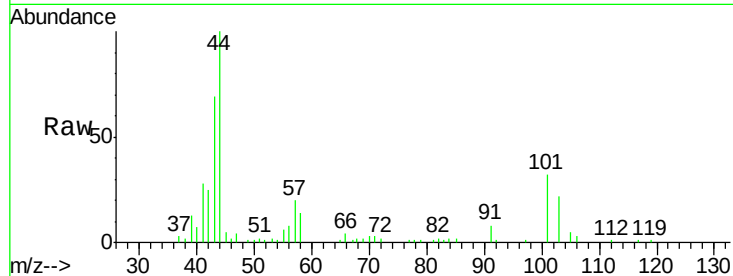




#11
 Trichlorofluoromethane
 Concen: 0.24 ppbv
 RT: 4.71 min Scan# 266
 Delta R.T. 0.01 min
 Lab File: VL026185.D
 Acq: 9 Oct 2015 20:56

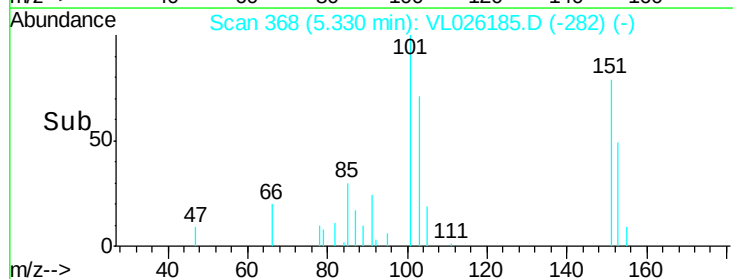
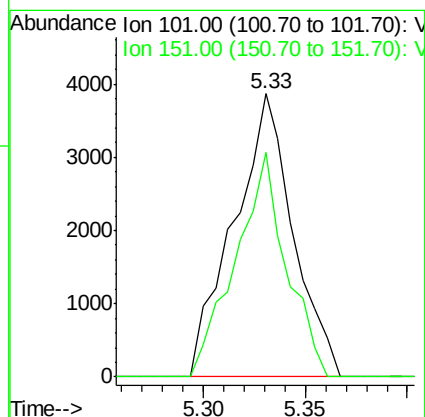
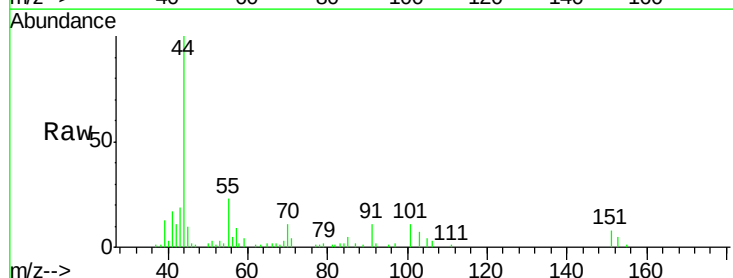
Instrument :
 MSVOA_L
 ClientSampleId :

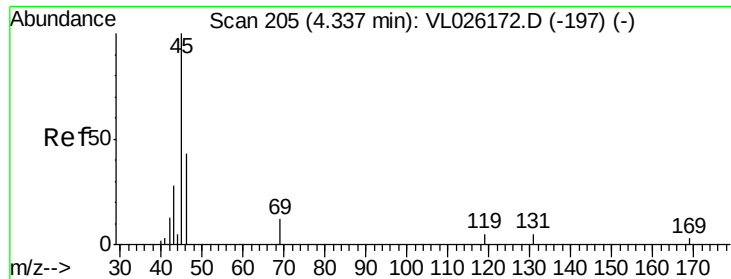
Tot Ion:101 Resp: 32275
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.09 ppbv
 RT: 5.33 min Scan# 368
 Delta R.T. 0.02 min
 Lab File: VL026185.D
 Acq: 9 Oct 2015 20:56

Tgt Ion:101 Resp: 7811
 Ion Ratio Lower Upper
 101 100
 151 67.8 59.0 88.6





#13

Ethanol

Concen: 31.37 ppbv

RT: 4.34 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Instrument :

MSVOA_L

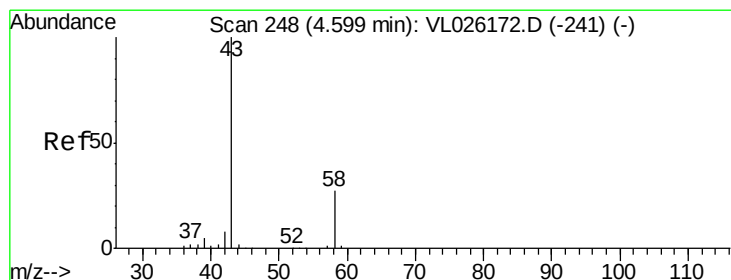
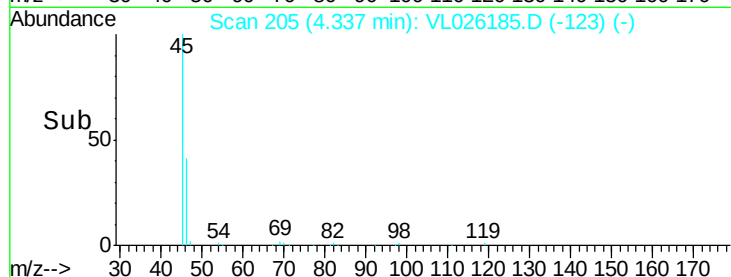
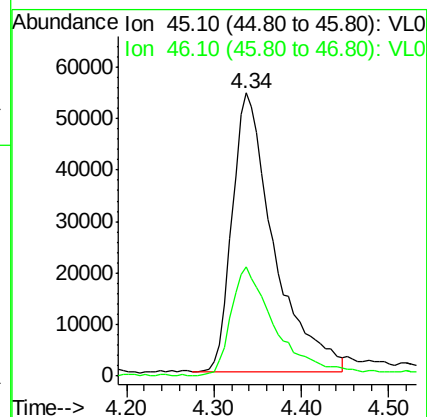
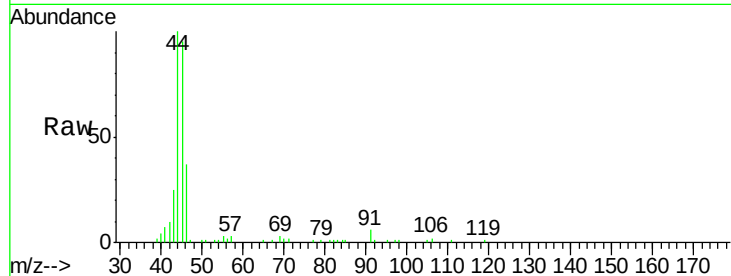
ClientSampleId :

Tot Ion: 45 Resp: 178664

Ion Ratio Lower Upper

45 100

46 47.1 18.1 72.5



#15

Acetone

Concen: 143.07 ppbv

RT: 4.61 min Scan# 250

Delta R.T. 0.01 min

Lab File: VL026185.D

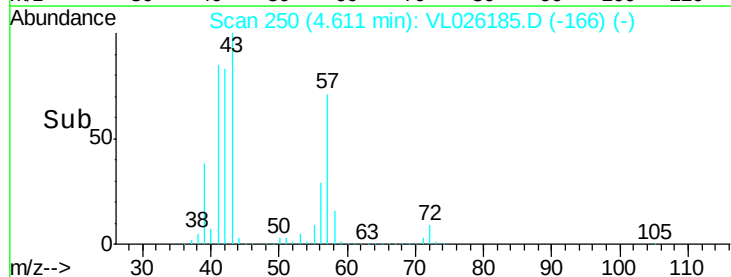
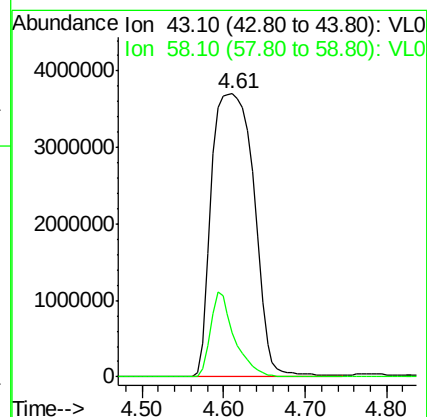
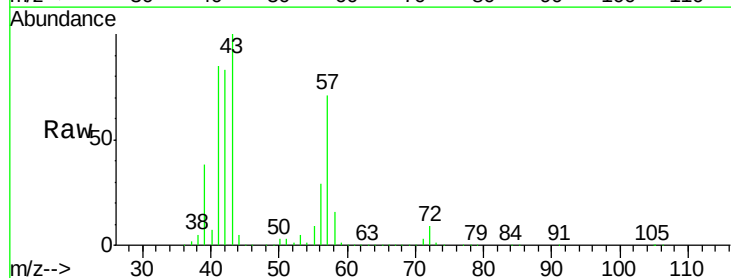
Acq: 9 Oct 2015 20:56

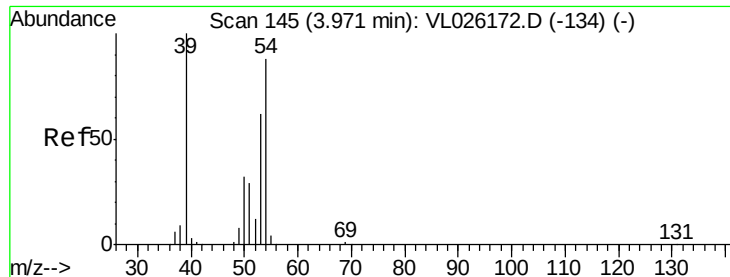
Tgt Ion: 43 Resp:13354181

Ion Ratio Lower Upper

43 100

58 17.4 22.0 33.0#

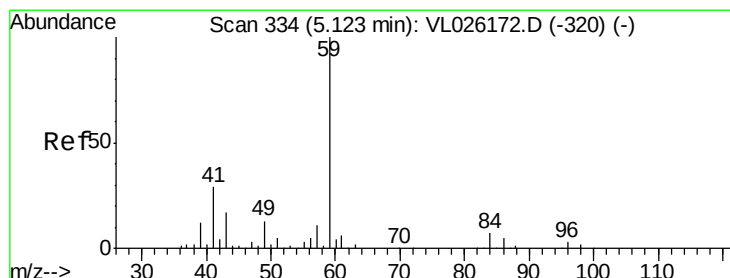
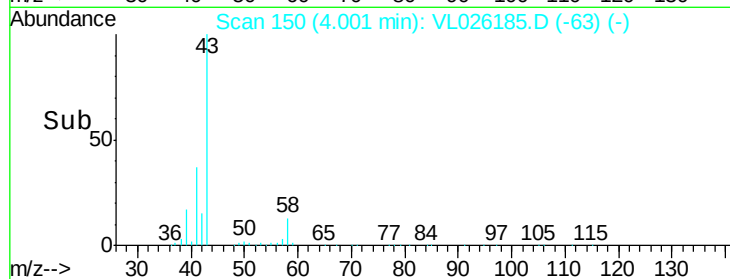
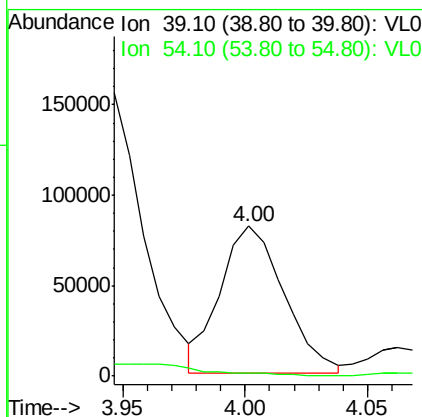
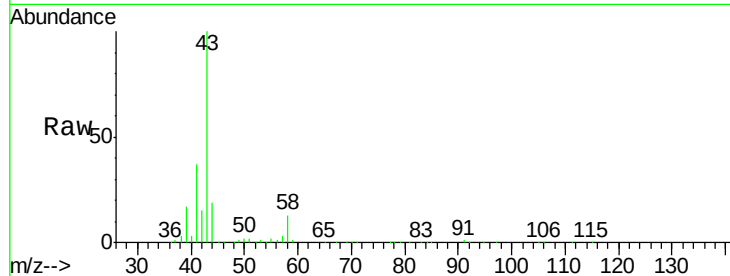




#16
 1,3-Butadiene
 Concen: 3.44 ppbv
 RT: 4.00 min Scan# 150
 Delta R.T. 0.03 min
 Lab File: VL026185.D
 Acq: 9 Oct 2015 20:56

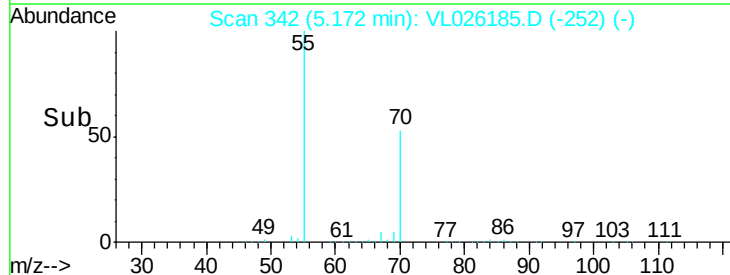
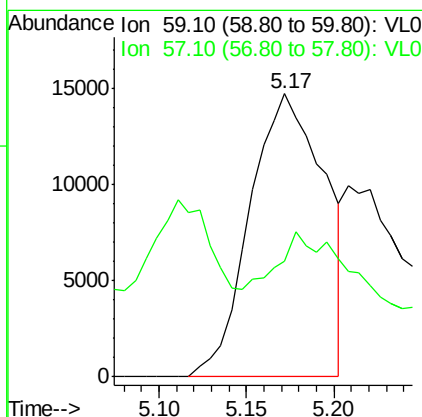
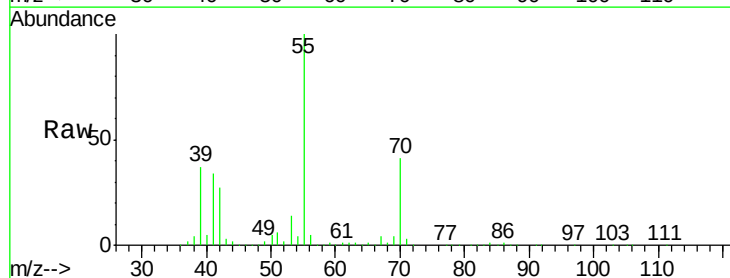
Instrument :
 MSVOA_L
 ClientSampleId :

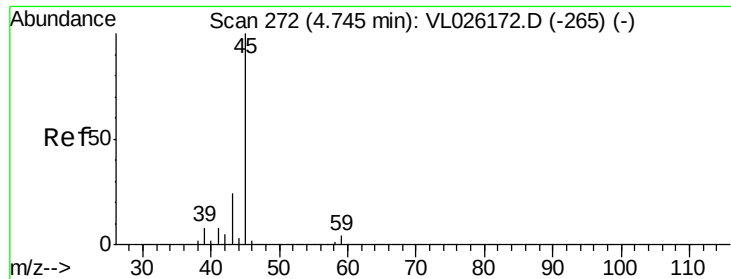
Tot Ion: 39 Resp: 148289
 Ion Ratio Lower Upper
 39 100
 54 0.0 67.9 101.9#



#17
 tert-Butyl alcohol
 Concen: 0.78 ppbv
 RT: 5.17 min Scan# 342
 Delta R.T. 0.05 min
 Lab File: VL026185.D
 Acq: 9 Oct 2015 20:56

Tgt Ion: 59 Resp: 43787
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#





#19

Isopropyl Alcohol

Concen: 4.63 ppbv

RT: 4.78 min Scan# 278

Delta R.T. 0.04 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Instrument :

MSVOA_L

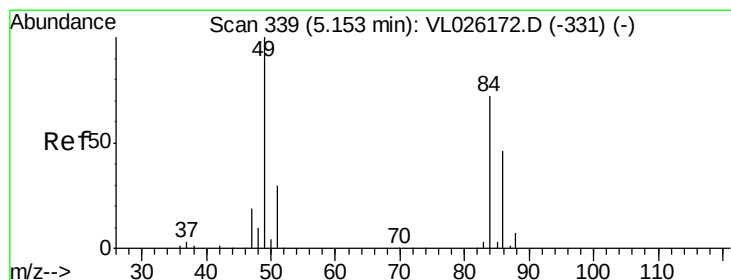
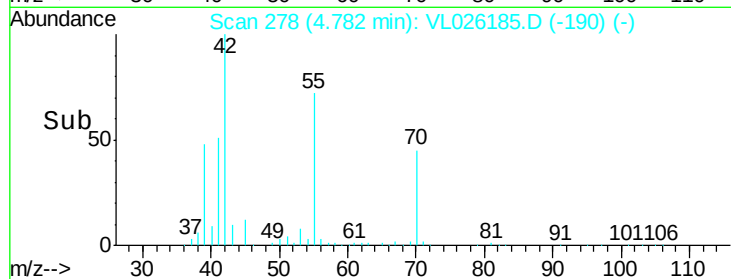
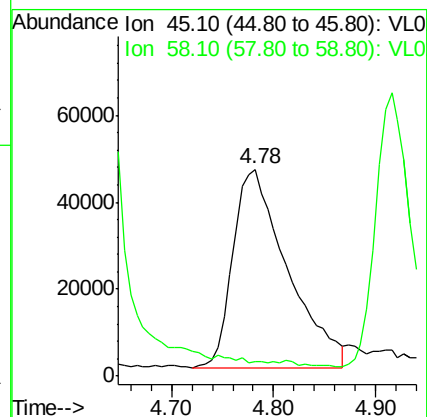
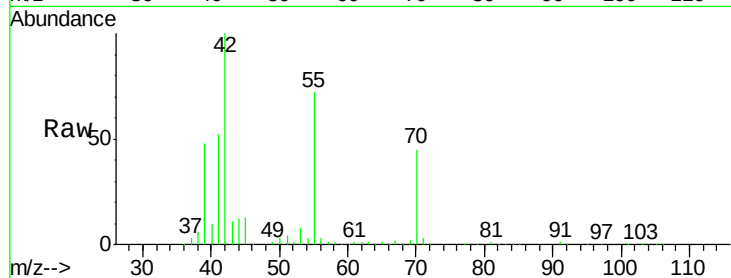
ClientSampleId :

Tot Ion: 45 Resp: 168327

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#



#20

Methylene Chloride

Concen: 0.86 ppbv

RT: 5.17 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Tgt Ion: 84 Resp: 34249

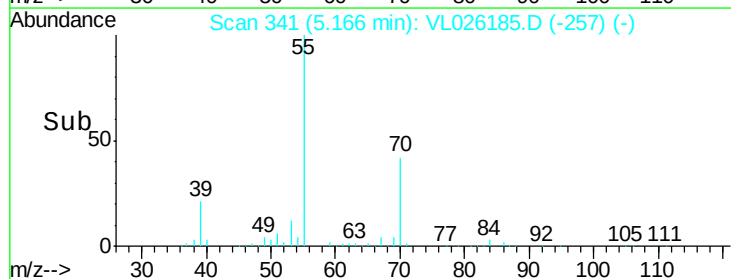
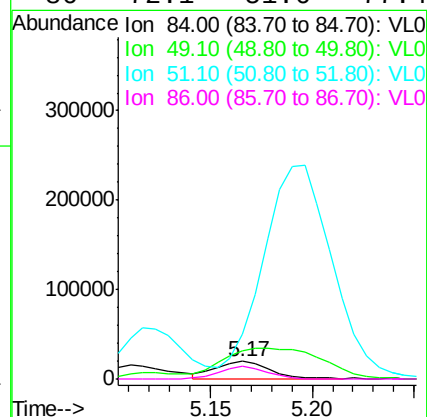
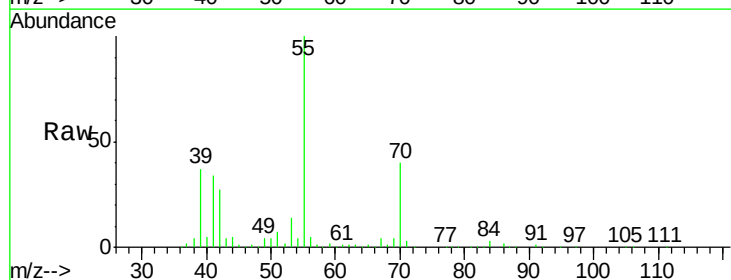
Ion Ratio Lower Upper

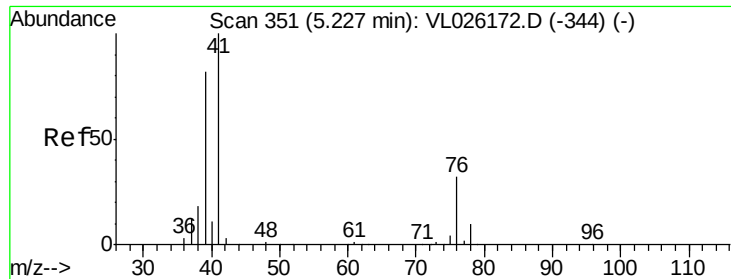
84 100

49 129.9 111.3 166.9

51 143.8 33.0 49.6#

86 72.1 51.6 77.4





#21

Allvl Chloride

Concen: 50.04 ppbv

RT: 5.19 min Scan# 345

Delta R.T. -0.04 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Instrument :

MSVOA_L

ClientSampleId :

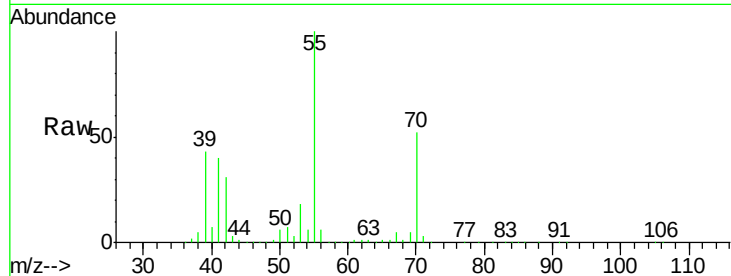
Tot Ion: 41 Resp: 3048058

Ion Ratio Lower Upper

41 100

76 0.0 25.4 38.2#

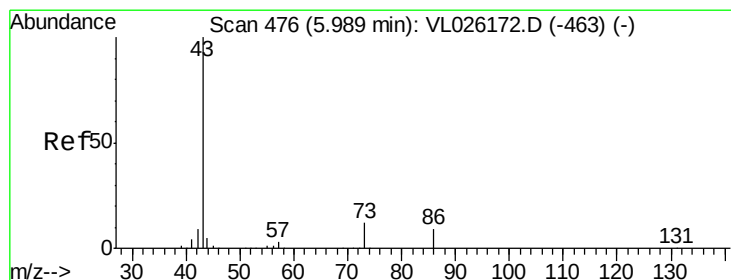
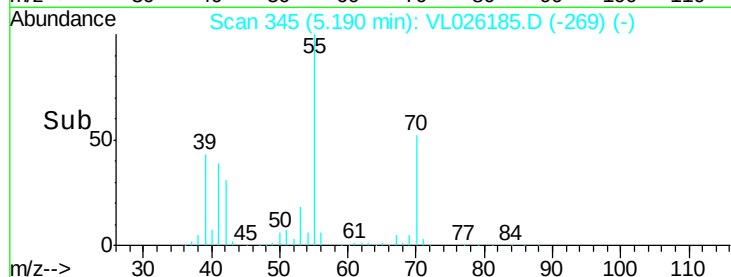
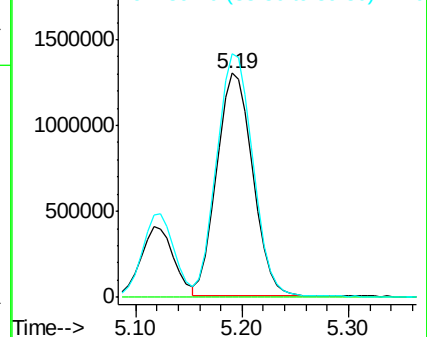
39 109.6 66.5 99.7#



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



#23

Vinyl Acetate

Concen: 415.79 ppbv

RT: 6.07 min Scan# 490

Delta R.T. 0.09 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Tgt Ion: 43 Resp: 68689175

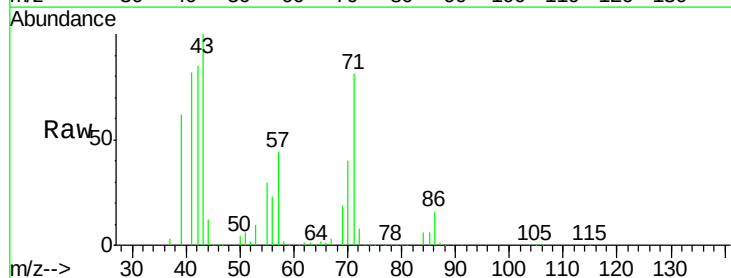
Ion Ratio Lower Upper

43 100

86 16.0 7.2 10.8#

42 84.8 7.4 11.2#

44 11.1 3.9 5.9#

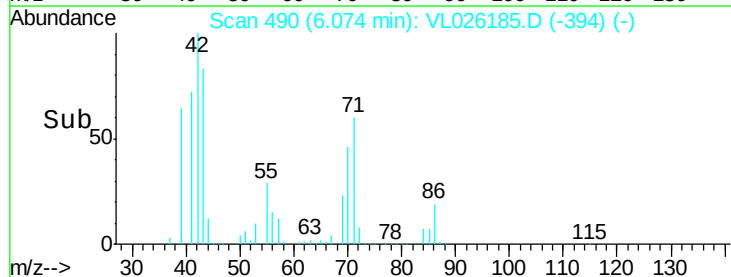
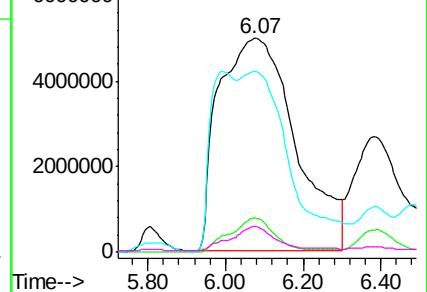


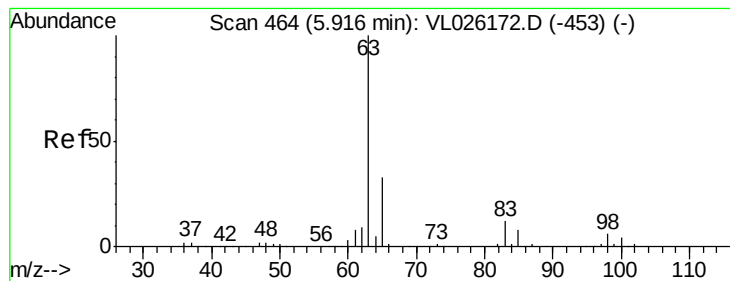
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.41 ppbv

RT: 5.99 min Scan# 476

Delta R.T. 0.07 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Instrument :

MSVOA_L

ClientSampled :

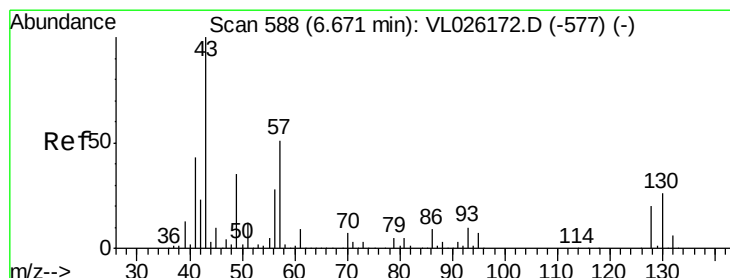
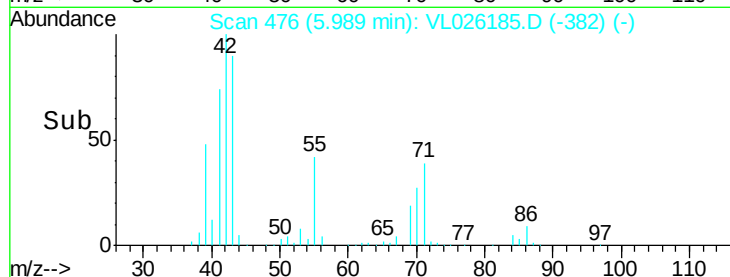
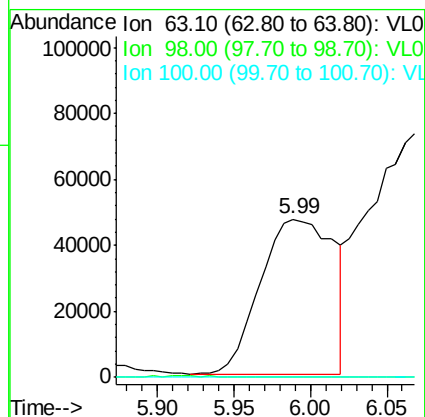
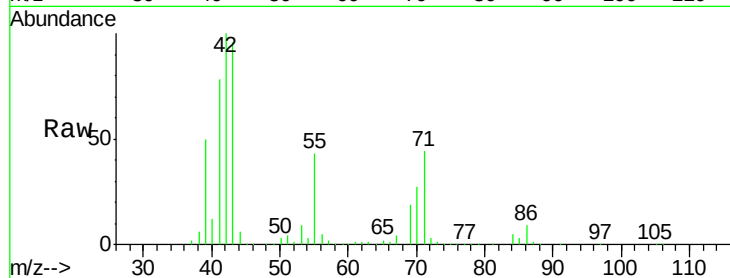
Tot Ion: 63 Resp: 158647

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

100 0.0 1.8 5.5#



#25

Ethyl Acetate

Concen: 174.40 ppbv

RT: 6.78 min Scan# 605

Delta R.T. 0.10 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Tgt Ion: 43 Resp: 31478074

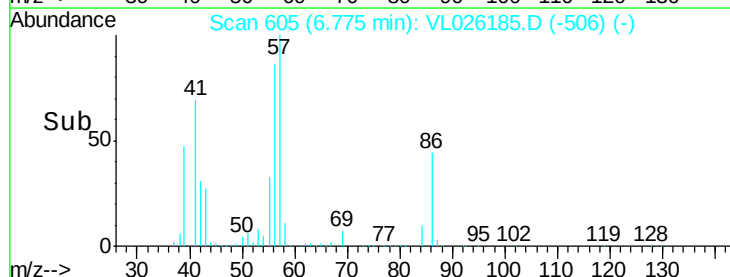
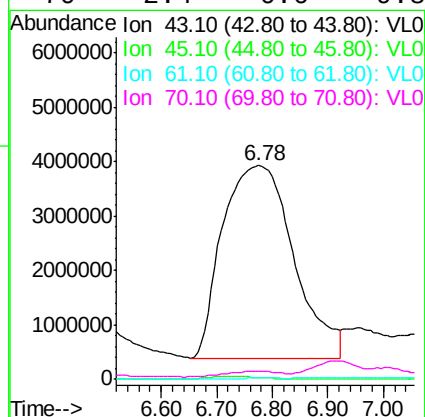
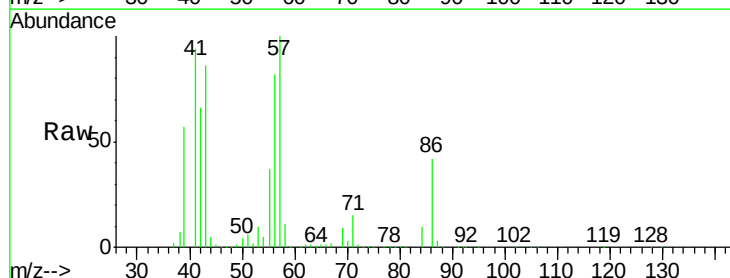
Ion Ratio Lower Upper

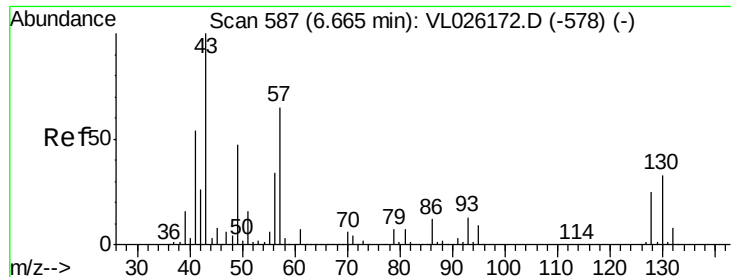
43 100

45 0.9 7.7 11.5#

61 0.3 7.4 11.2#

70 2.4 6.6 9.8#

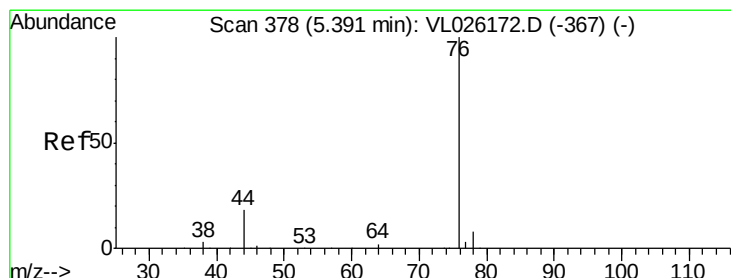
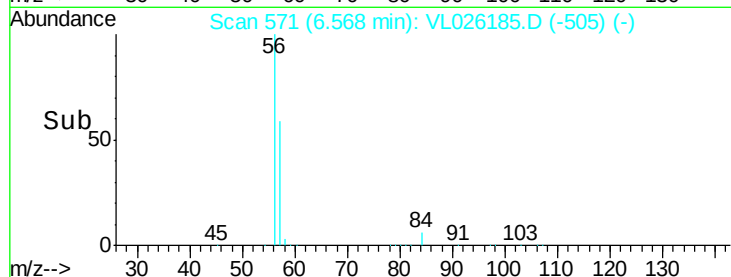
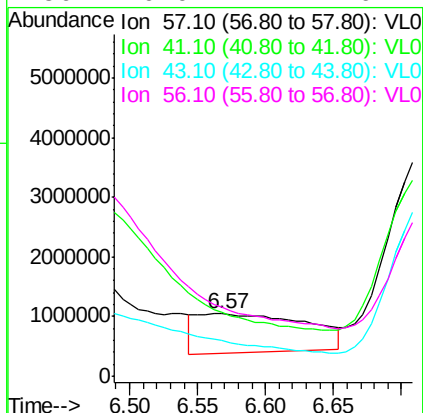
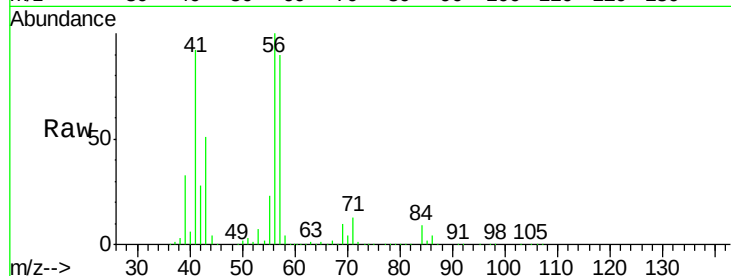




#26
Hexane
Concen: 42.09 ppbv
RT: 6.57 min Scan# 571
Delta R.T. -0.10 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

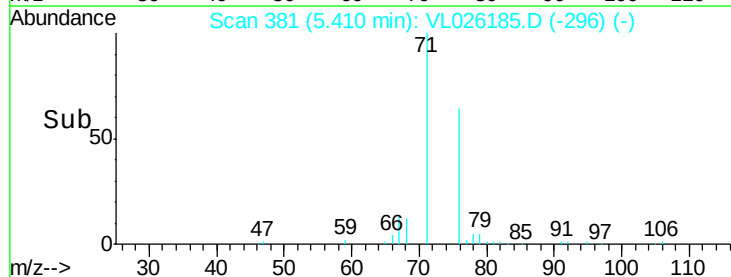
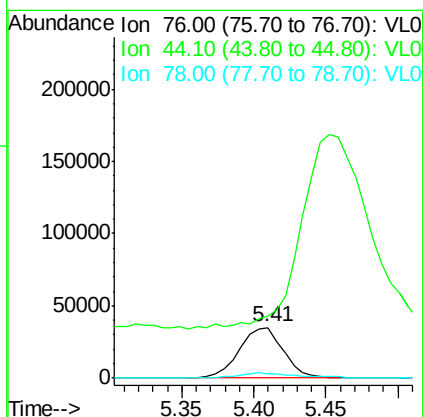
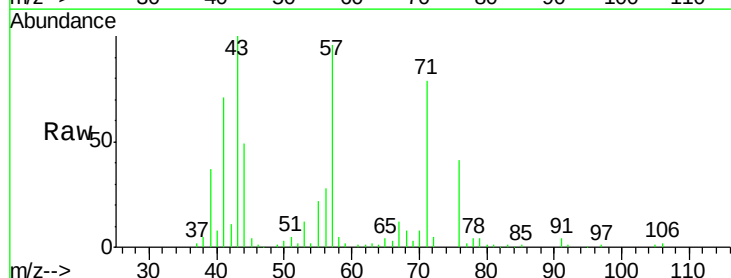
Instrument :
MSVOA_L
ClientSampleId :

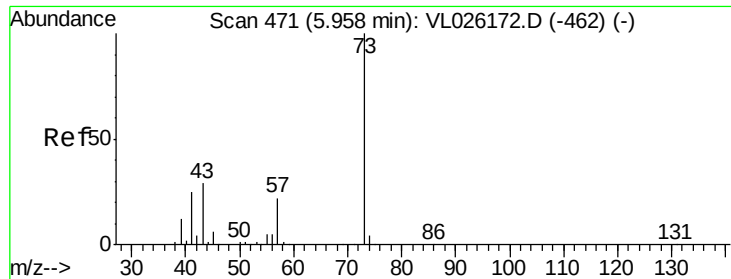
Tot Ion: 57 Resp: 3679036
Ion Ratio Lower Upper
57 100
41 0.0 68.0 102.0#
43 0.0 164.4 246.6#
56 0.0 42.7 64.1#



#27
Carbon Disulfide
Concen: 0.71 ppbv
RT: 5.41 min Scan# 381
Delta R.T. 0.02 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

Tgt Ion: 76 Resp: 73889
Ion Ratio Lower Upper
76 100
44 617.8 14.2 21.4#
78 17.9 7.5 11.3#



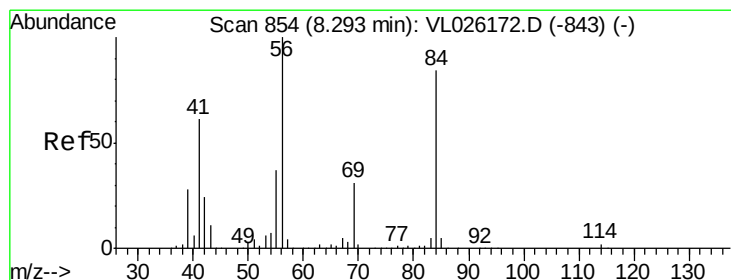
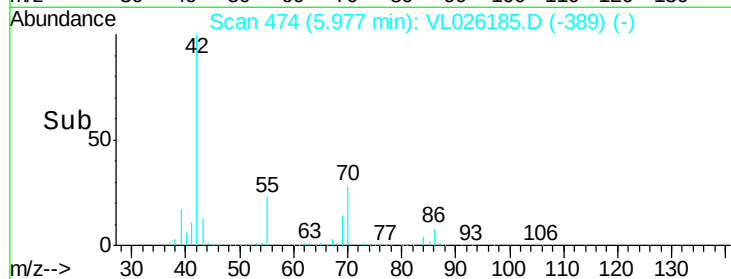
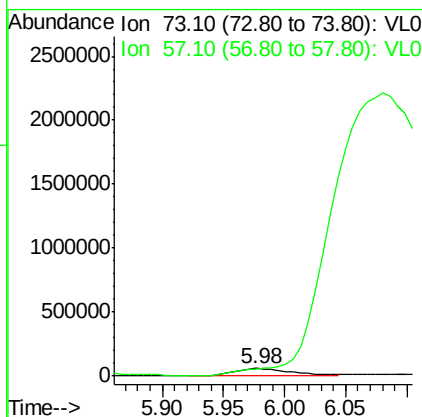
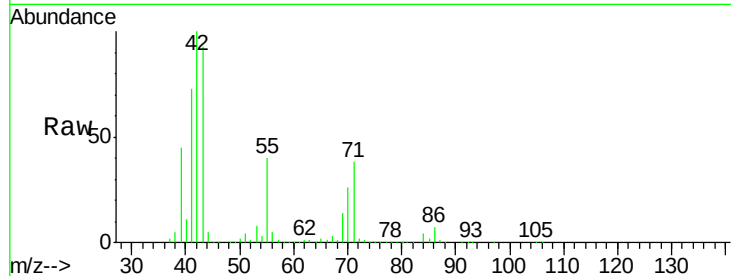


#28

Methyl tert-Butyl Ether
 Concen: 1.44 ppbv
 RT: 5.98 min Scan# 474
 Delta R.T. 0.02 min
 Lab File: VL026185.D
 Acq: 9 Oct 2015 20:56

Instrument :
 MSVOA_L
 ClientSampled :

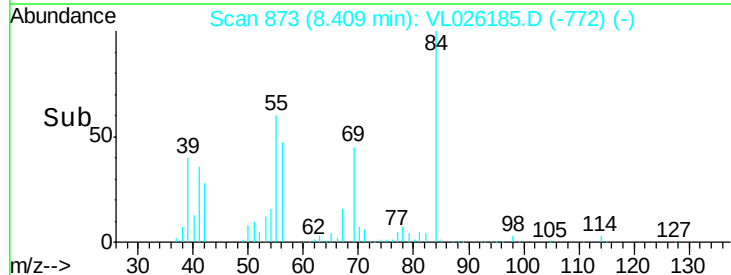
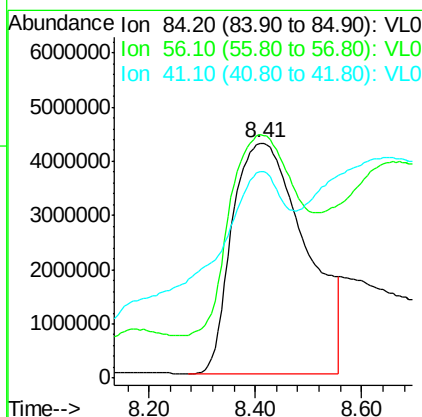
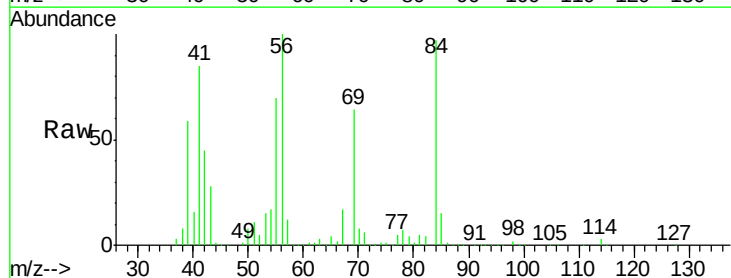
Tot Ion: 73 Resp: 202503
 Ion Ratio Lower Upper
 73 100
 57 0.0 17.8 26.6#

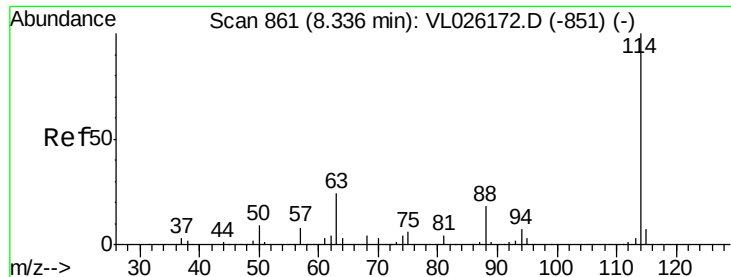


#30

Cyclohexane
 Concen: 490.59 ppbv
 RT: 8.41 min Scan# 873
 Delta R.T. 0.12 min
 Lab File: VL026185.D
 Acq: 9 Oct 2015 20:56

Tgt Ion: 84 Resp: 40859240
 Ion Ratio Lower Upper
 84 100
 56 81.5 99.8 149.8#
 41 65.9 58.1 87.1

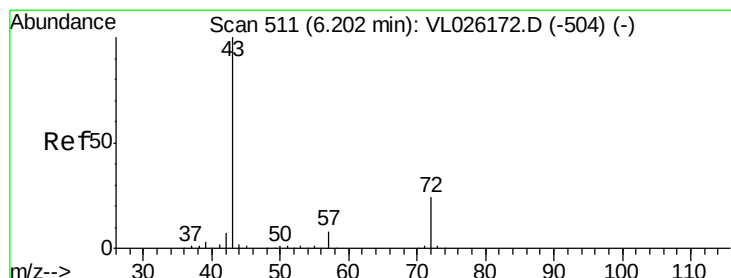
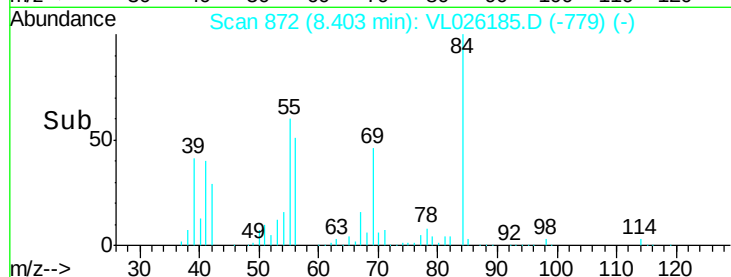
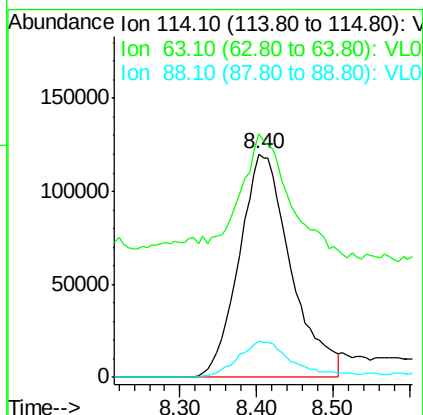
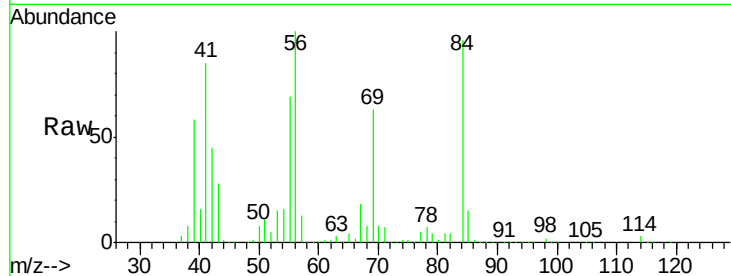




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.40 min Scan# 872
 Delta R.T. 0.07 min
 Lab File: VL026185.D
 Acq: 9 Oct 2015 20:56

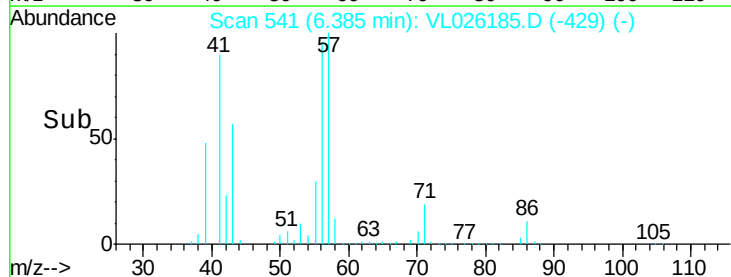
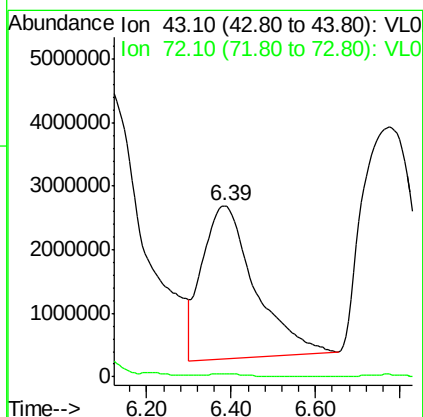
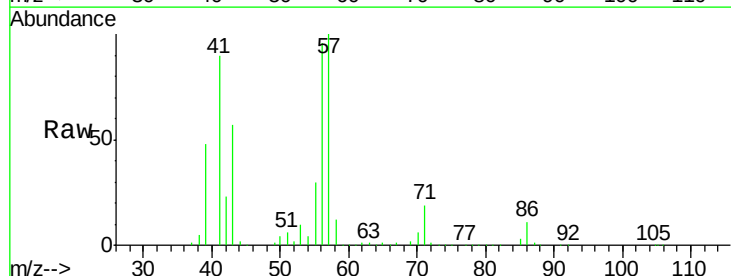
Instrument :
 MSVOA_L
 ClientSampleId :

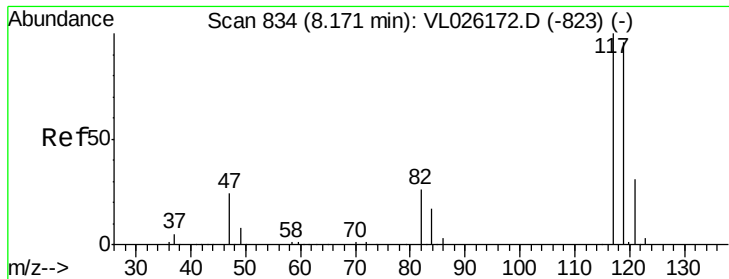
Tot Ion:114 Resp: 563651
 Ion Ratio Lower Upper
 114 100
 63 135.9 19.0 28.6#
 88 17.3 13.8 20.8



#34
 2-Butanone
 Concen: 672.26 ppbv
 RT: 6.39 min Scan# 541
 Delta R.T. 0.18 min
 Lab File: VL026185.D
 Acq: 9 Oct 2015 20:56

Tgt Ion: 43 Resp:21091501
 Ion Ratio Lower Upper
 43 100
 72 1.7 19.6 29.4#





#35

Carbon Tetrachloride

Concen: 0.05 ppbv

RT: 8.24 min Scan# 846

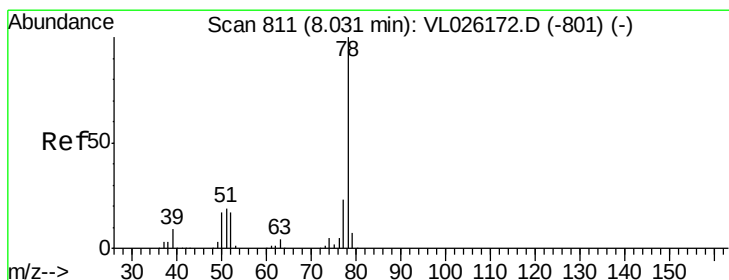
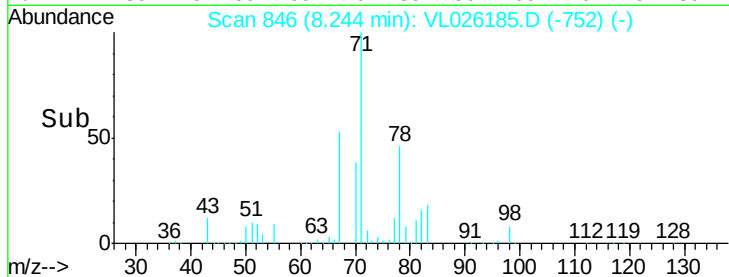
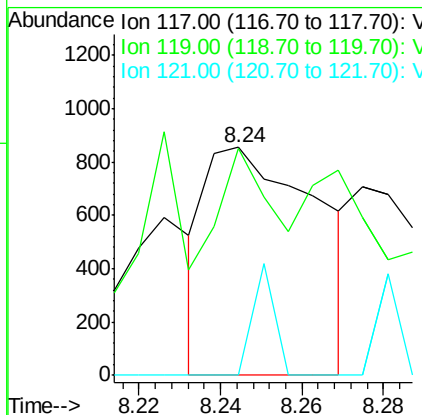
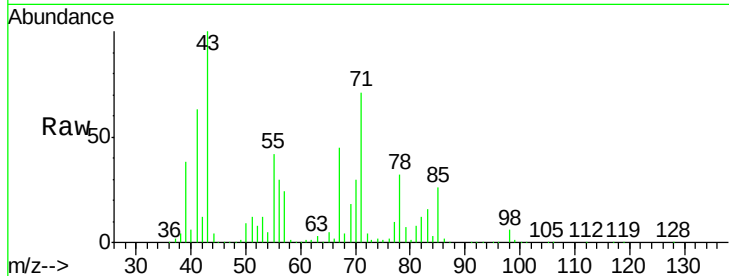
Delta R.T. 0.07 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 1617
Ion Ratio Lower Upper
117 100
119 138.9 76.6 115.0#
121 0.0 25.0 37.4#



#36

Benzene

Concen: 669.14 ppbv

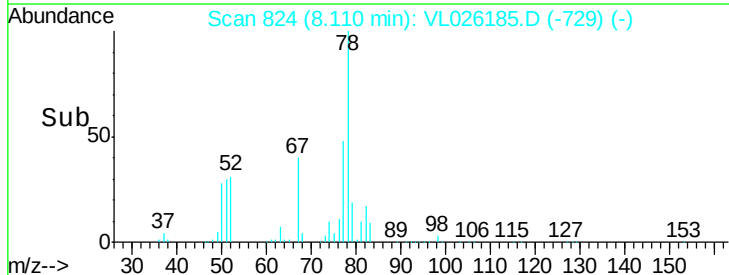
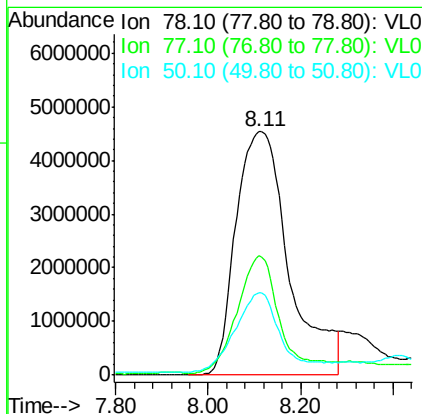
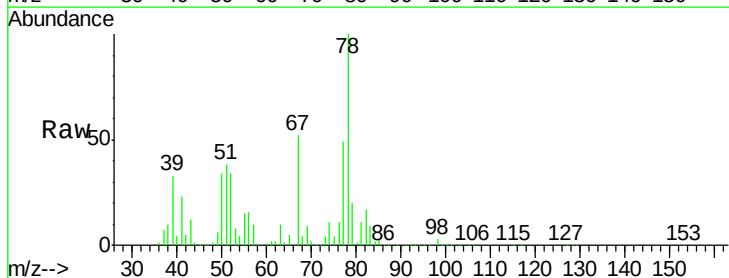
RT: 8.11 min Scan# 824

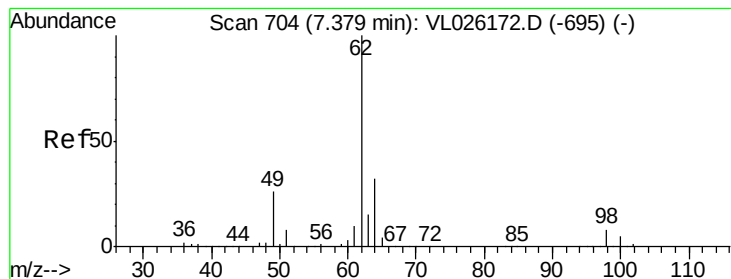
Delta R.T. 0.08 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Tgt Ion: 78 Resp:36072113
Ion Ratio Lower Upper
78 100
77 48.3 18.2 27.4#
50 32.8 13.4 20.2#





#37

1,2-Dichloroethane

Concen: 13.53 ppbv

RT: 7.49 min Scan# 722

Delta R.T. 0.11 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Instrument :

MSVOA_L

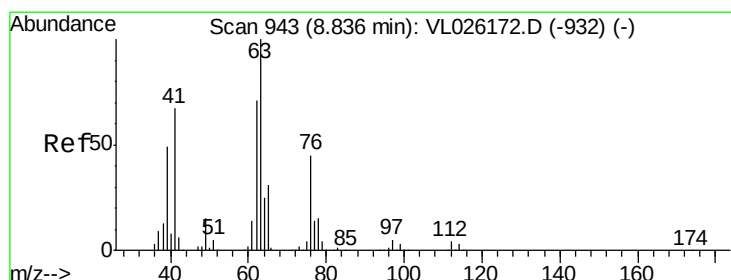
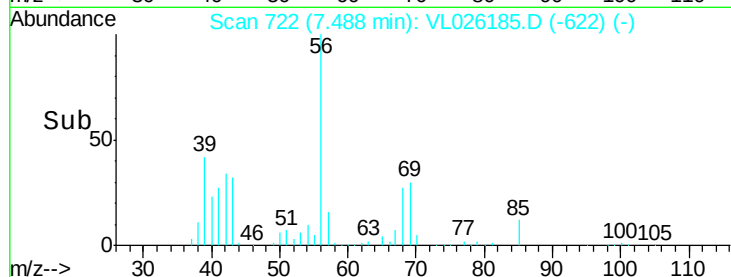
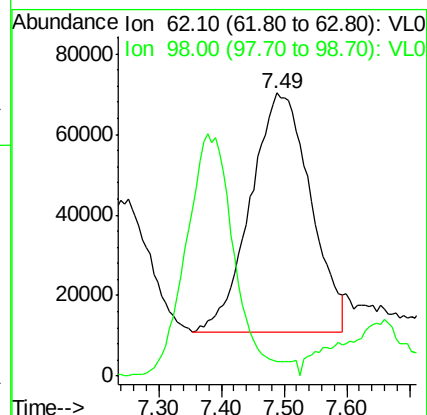
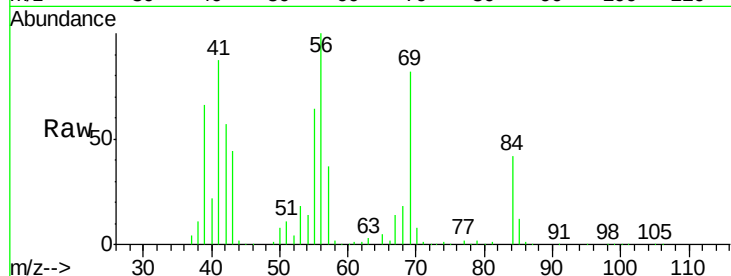
ClientSampleId :

Tot Ion: 62 Resp: 390693

Ion Ratio Lower Upper

62 100

98 81.1 6.2 9.2#



#39

1,2-Dichloropropane

Concen: 0.14 ppbv

RT: 8.90 min Scan# 954

Delta R.T. 0.07 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

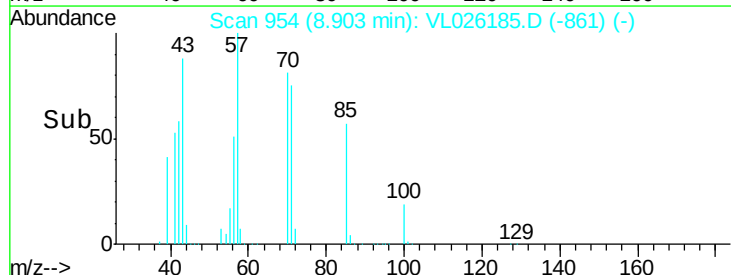
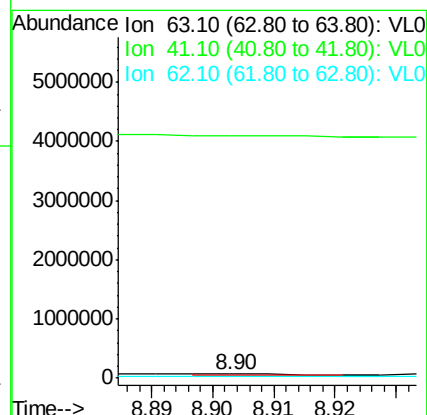
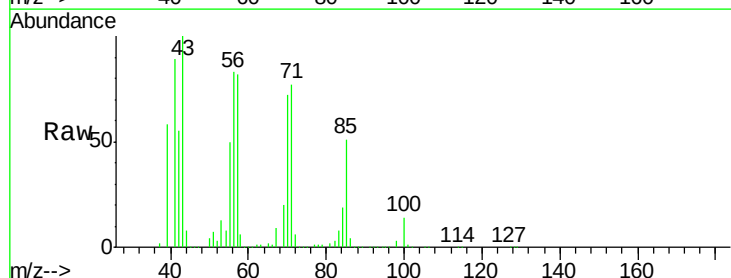
Tgt Ion: 63 Resp: 2707

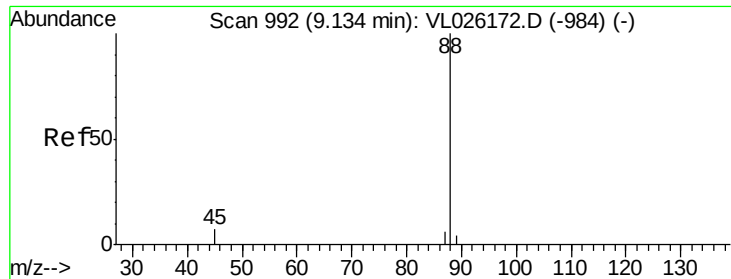
Ion Ratio Lower Upper

63 100

41 593.8 53.9 80.9#

62 0.0 57.1 85.7#

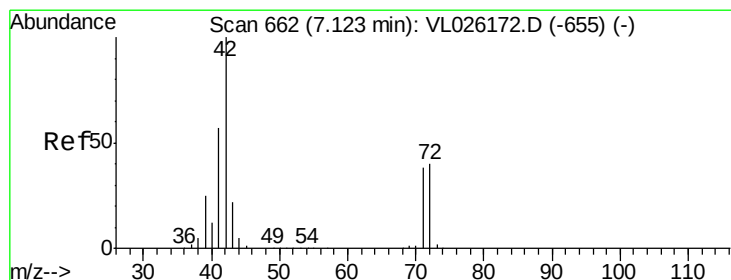
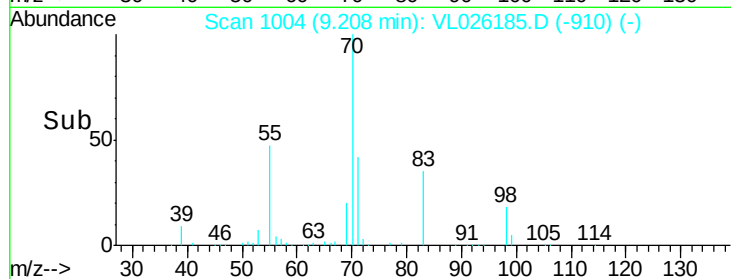
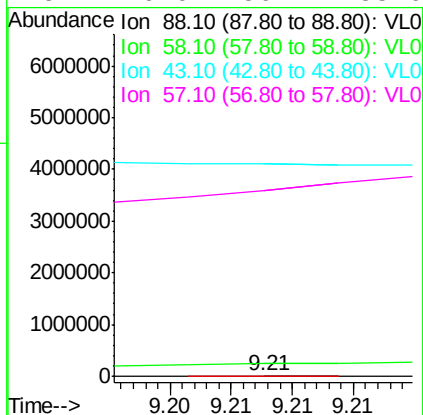
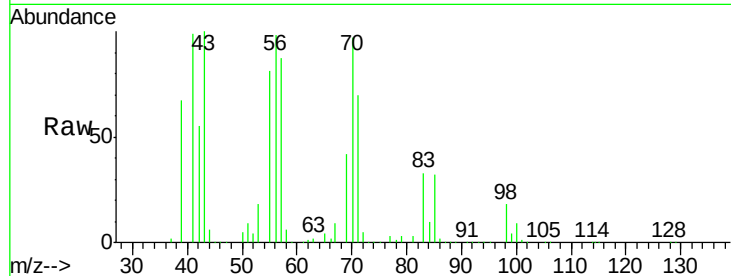




#40
1,4-Dioxane
Concen: 0.04 ppbv
RT: 9.21 min Scan# 1004
Delta R.T. 0.07 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

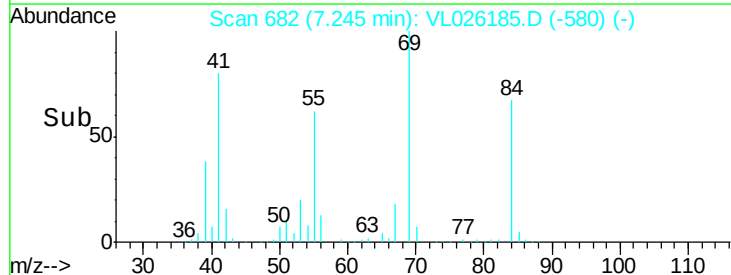
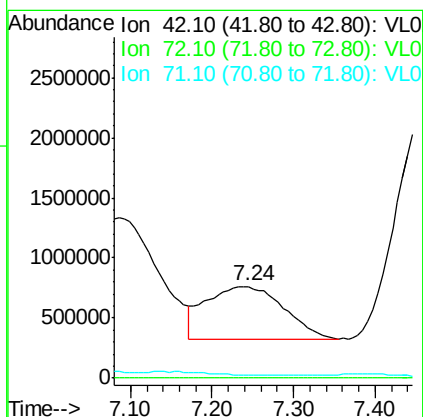
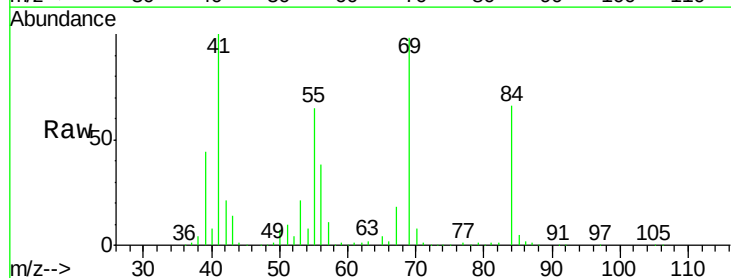
Instrument :
MSVOA_L
ClientSampled :

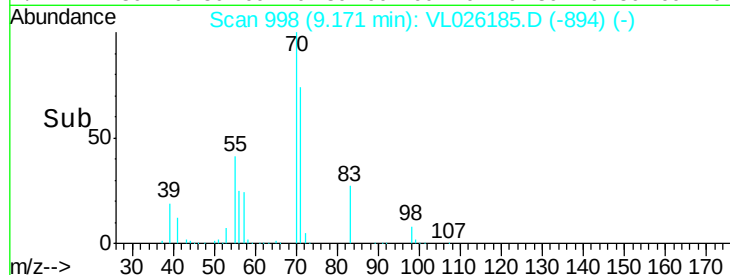
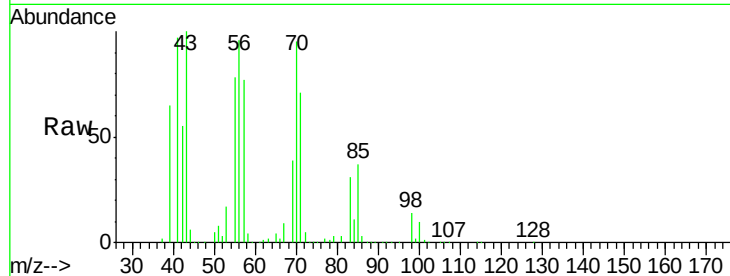
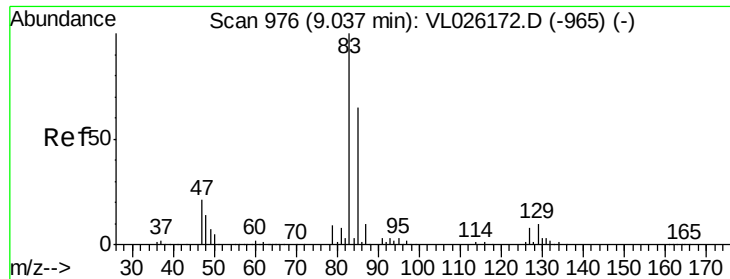
Tot Ion: 88 Resp: 122
Ion Ratio Lower Upper
88 100
58 0.0 178.4 267.6#
43 0.0 510.2 765.4#
57 0.0 2564.2 3846.4#



#41
Tetrahydrofuran
Concen: 162.15 ppbv
RT: 7.24 min Scan# 682
Delta R.T. 0.12 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

Tgt Ion: 42 Resp: 2865293
Ion Ratio Lower Upper
42 100
72 0.6 32.4 48.6#
71 4.5 30.2 45.4#





#42

Bromodichloromethane

Concen: 149.27 ppbv

RT: 9.17 min Scan# 998

Delta R.T. 0.13 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

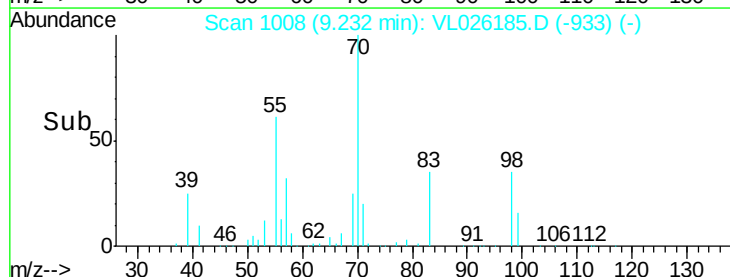
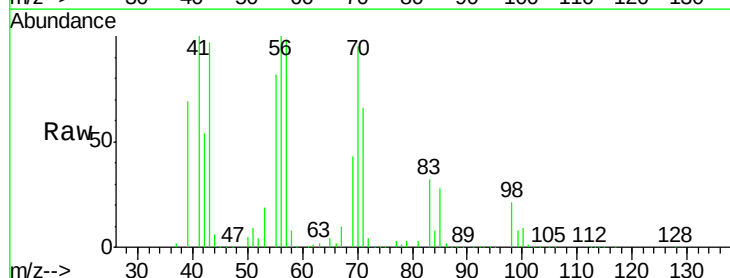
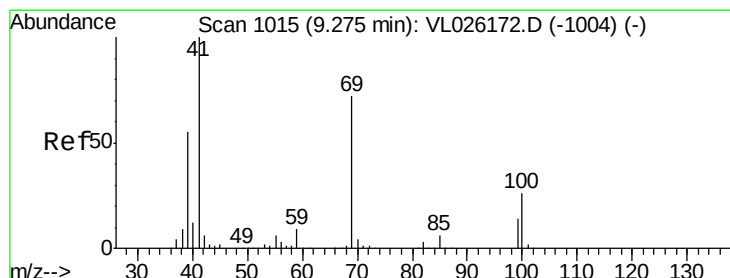
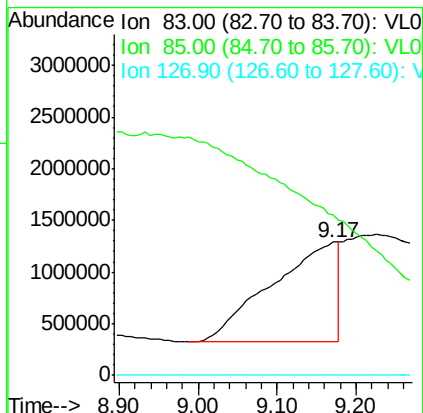
Tot Ion: 83 Resp: 5673538

Ion Ratio Lower Upper

83 100

85 4.3 51.9 77.9#

127 0.0 6.2 9.4#



#43

Methyl Methacrylate

Concen: 460.06 ppbv

RT: 9.23 min Scan# 1008

Delta R.T. -0.04 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

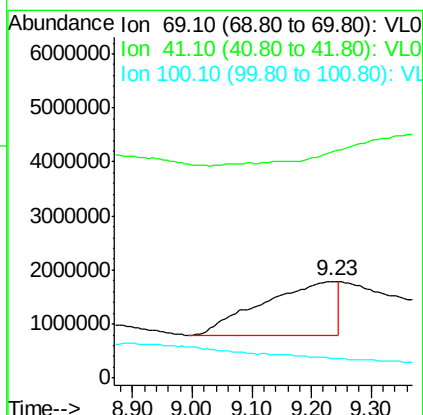
Tgt Ion: 69 Resp: 8735049

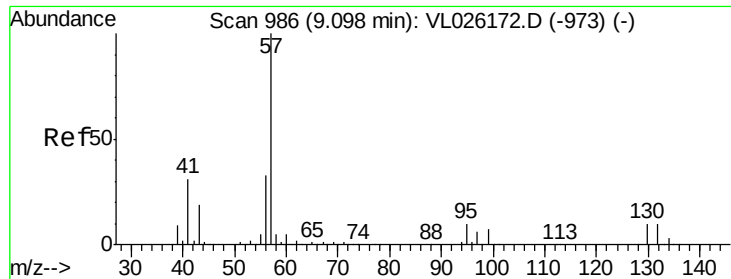
Ion Ratio Lower Upper

69 100

41 131.4 111.5 167.3

100 0.0 28.4 42.6#





#44

2,2,4-Trimethylpentane

Concen: 451.84 ppbv

RT: 9.45 min Scan# 1044

Delta R.T. 0.35 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Instrument :

MSVOA_L

ClientSampleId :

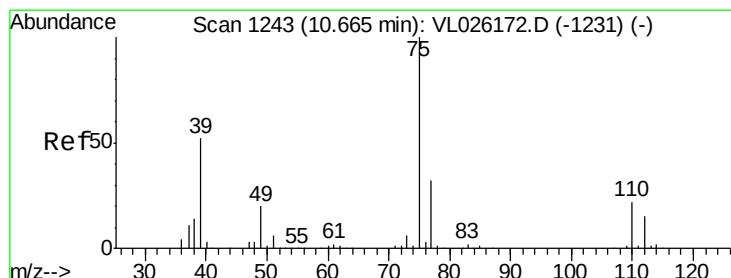
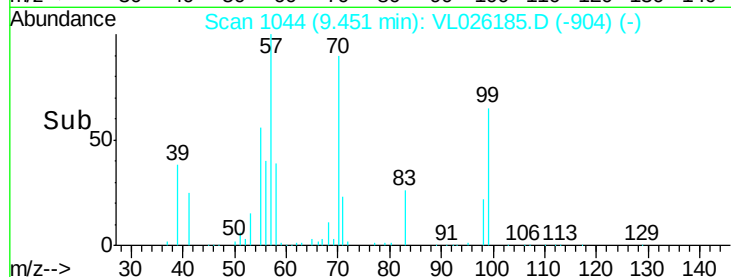
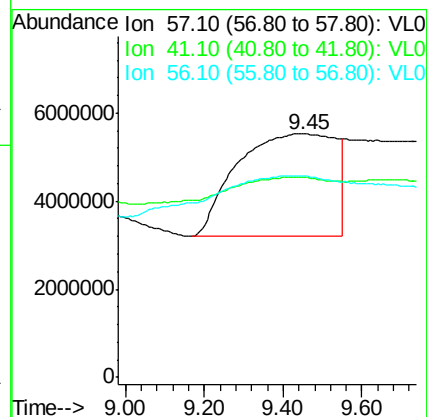
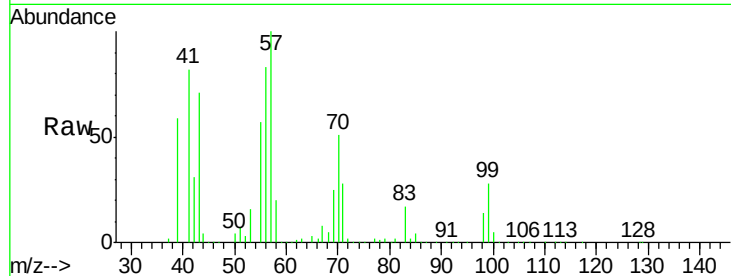
Tot Ion: 57 Resp: 40500866

Ion Ratio Lower Upper

57 100

41 28.3 23.7 35.5

56 0.0 26.4 39.6#



#45

t-1,3-Dichloropropene

Concen: 0.10 ppbv

RT: 10.75 min Scan# 1257

Delta R.T. 0.09 min

Lab File: VL026185.D

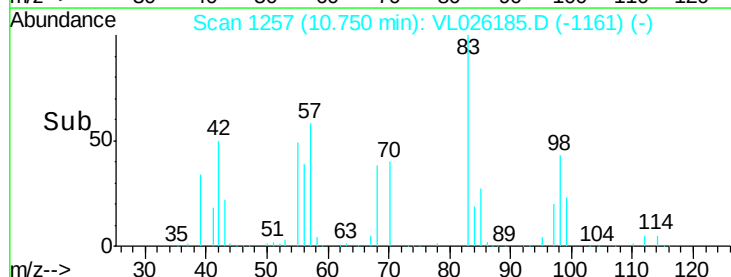
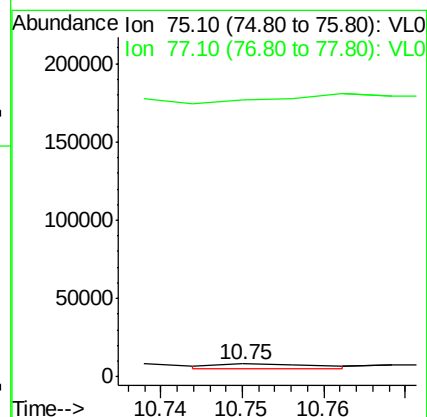
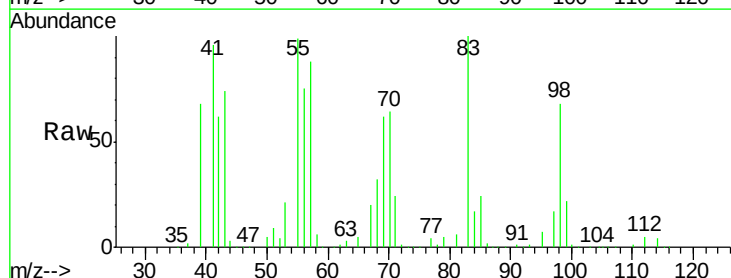
Acq: 9 Oct 2015 20:56

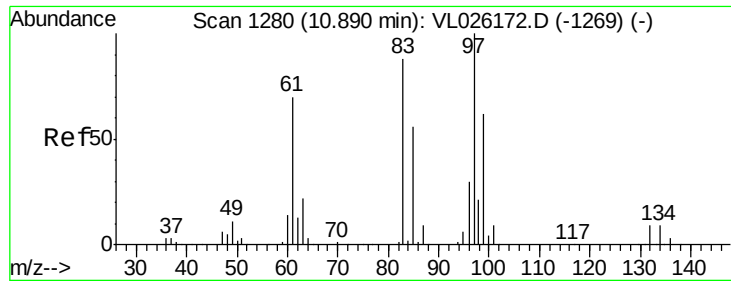
Tgt Ion: 75 Resp: 2539

Ion Ratio Lower Upper

75 100

77 2176.4 25.5 38.3#

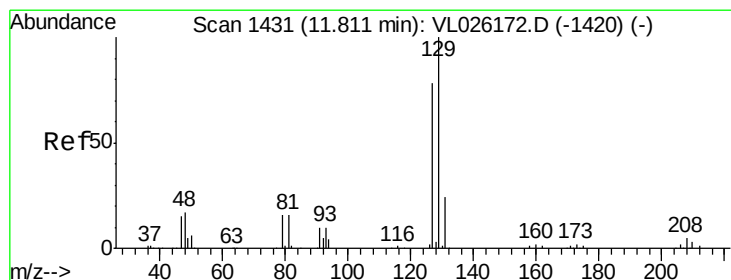
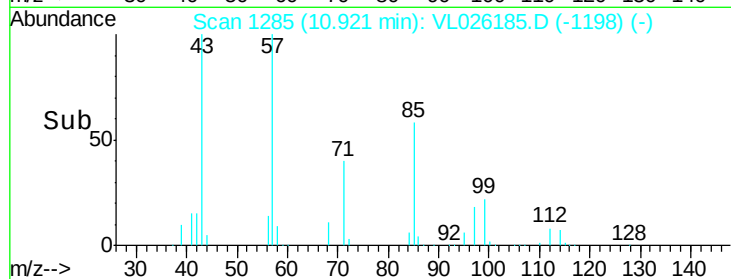
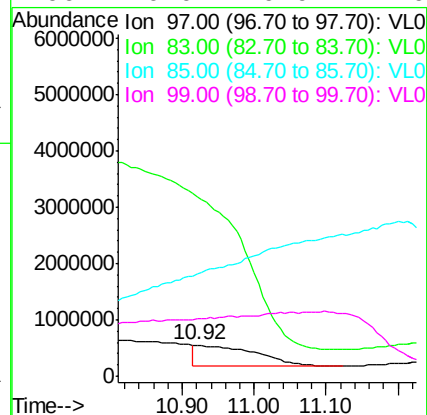
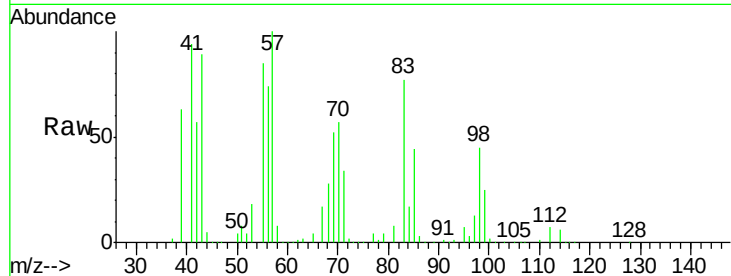




#47
 1,1,2-Trichloroethane
 Concen: 88.89 ppbv
 RT: 10.92 min Scan# 1285
 Delta R.T. 0.03 min
 Lab File: VL026185.D
 Acq: 9 Oct 2015 20:56

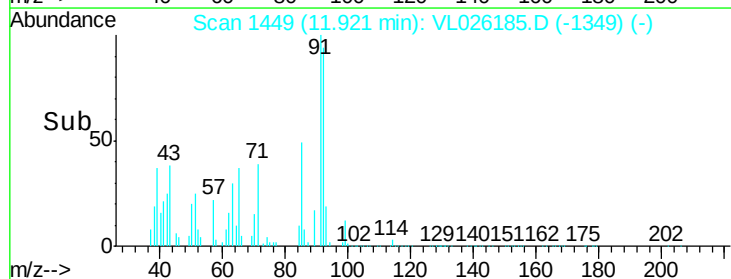
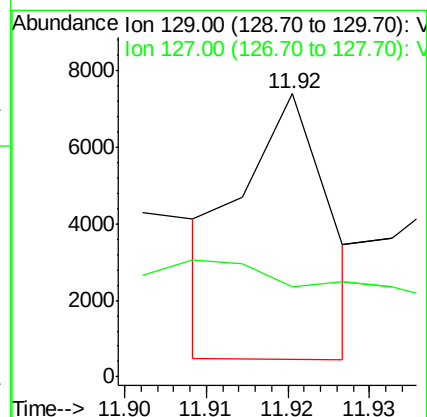
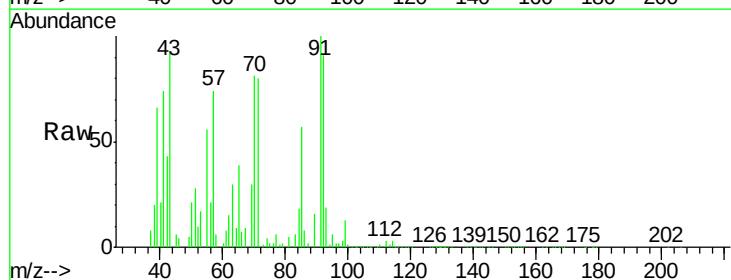
Instrument :
 MSVOA_L
 ClientSampled :

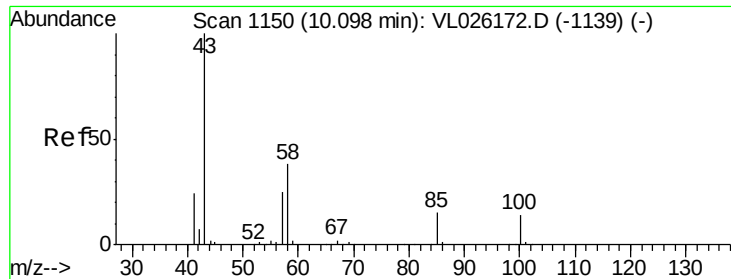
Tot Ion: 97 Resp: 2135325
 Ion Ratio Lower Upper
 97 100
 83 719.3 70.6 106.0#
 85 7.9 45.1 67.7#
 99 6.0 49.9 74.9#



#48
 Dibromochloromethane
 Concen: 0.15 ppbv
 RT: 11.92 min Scan# 1449
 Delta R.T. 0.11 min
 Lab File: VL026185.D
 Acq: 9 Oct 2015 20:56

Tgt Ion: 129 Resp: 5172
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.0 117.0#

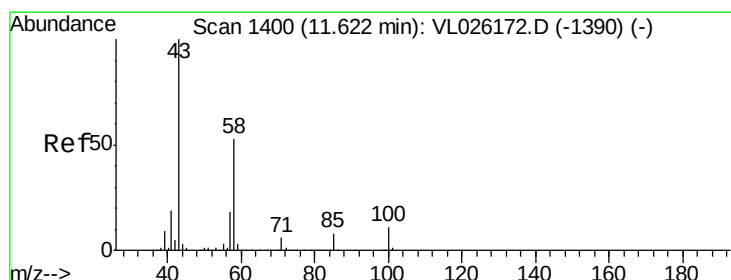
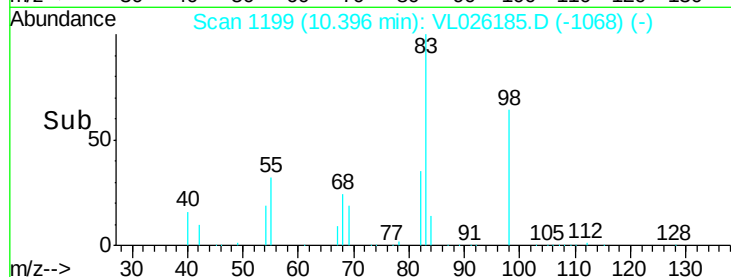
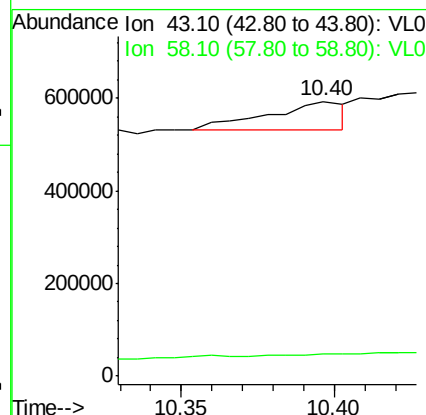
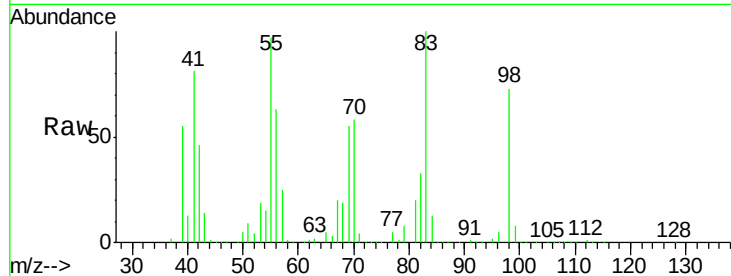




#50
4-Methyl-2-Pentanone
Concen: 2.71 ppbv
RT: 10.40 min Scan# 1199
Delta R.T. 0.30 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

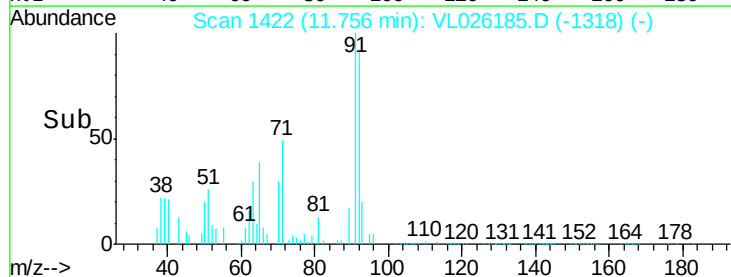
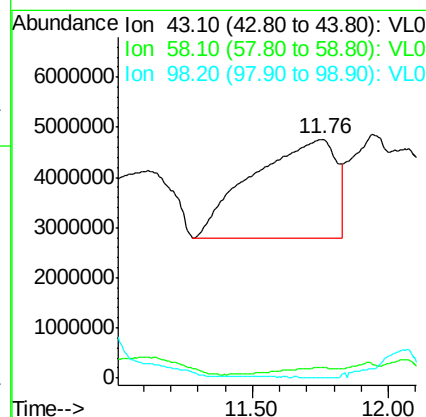
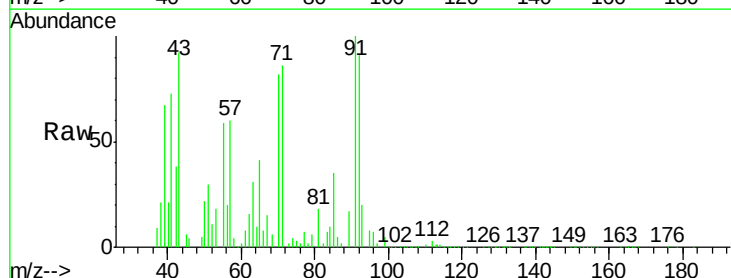
Instrument :
MSVOA_L
ClientSampleId :

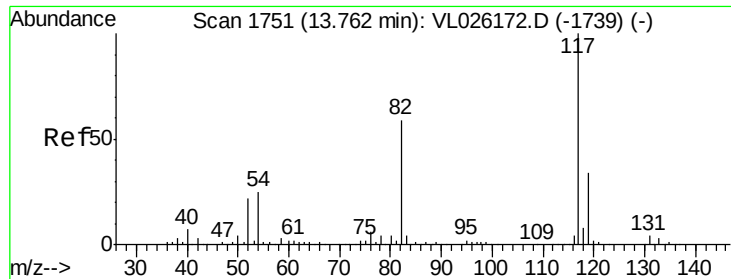
Tot Ion: 43 Resp: 112358
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#51
2-Hexanone
Concen: 1136.37 ppbv
RT: 11.76 min Scan# 1422
Delta R.T. 0.13 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

Tgt Ion: 43 Resp: 42384433
Ion Ratio Lower Upper
43 100
58 4.0 42.2 63.4#
98 0.5 0.2 0.2#

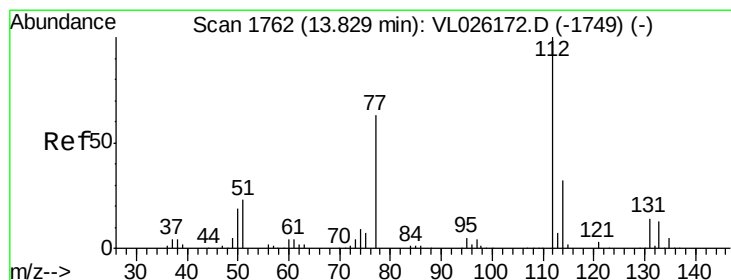
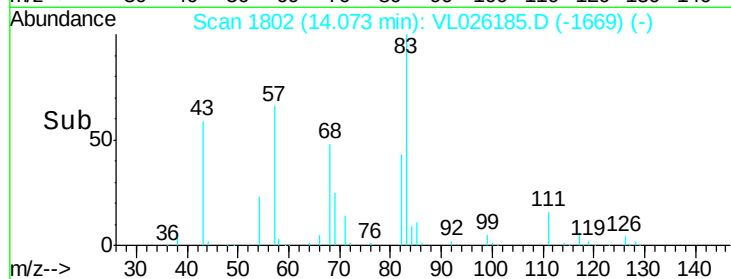
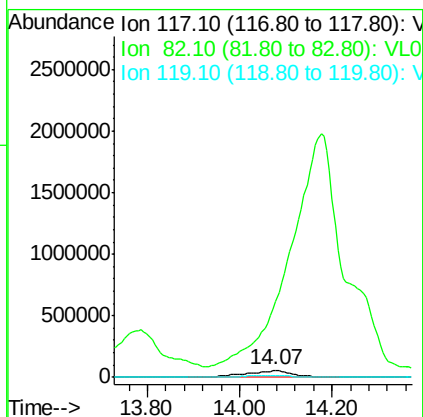
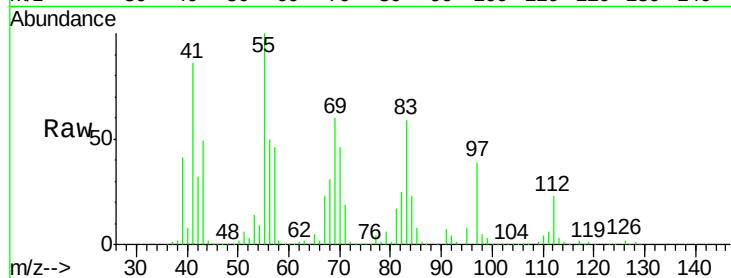




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 14.07 min Scan# 1802
Delta R.T. 0.31 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

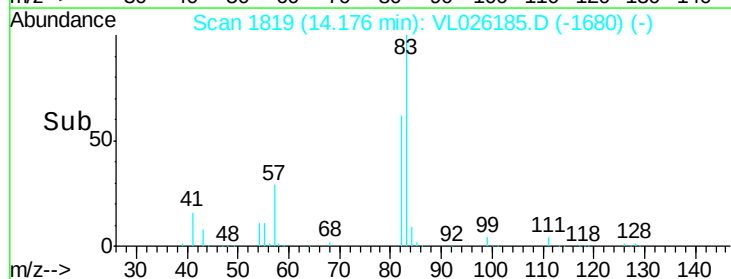
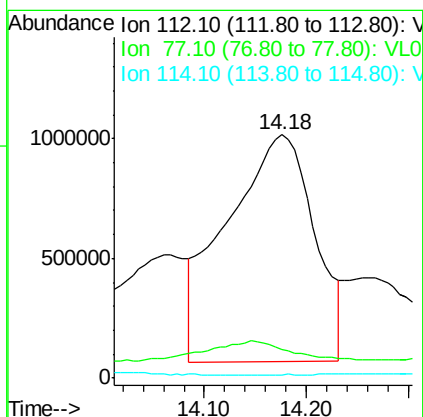
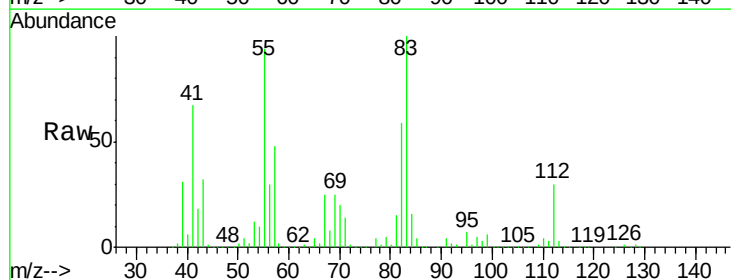
Instrument :
MSVOA_L
ClientSampleId :

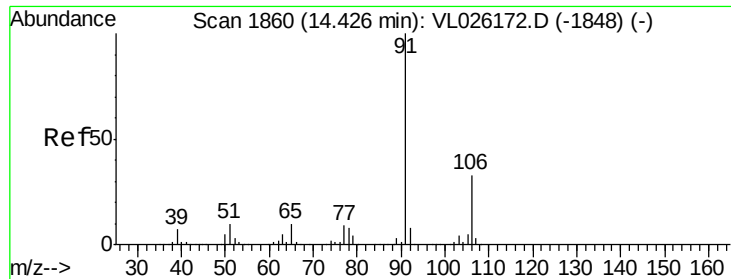
Tot Ion:117 Resp: 390778
Ion Ratio Lower Upper
117 100
82 0.0 47.7 71.5#
119 32.7 43.7 65.5#



#57
Chlorobenzene
Concen: 160.39 ppbv
RT: 14.18 min Scan# 1819
Delta R.T. 0.35 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

Tgt Ion:112 Resp: 5657087
Ion Ratio Lower Upper
112 100
77 5.9 51.0 76.4#
114 0.0 29.0 35.4#

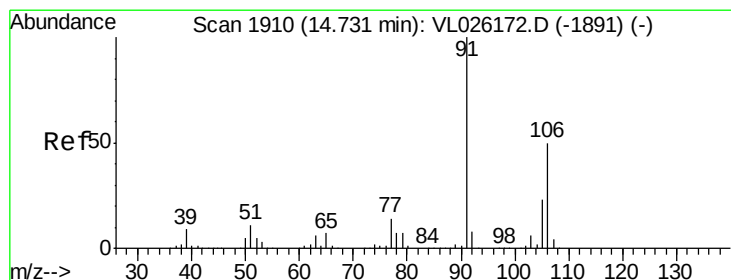
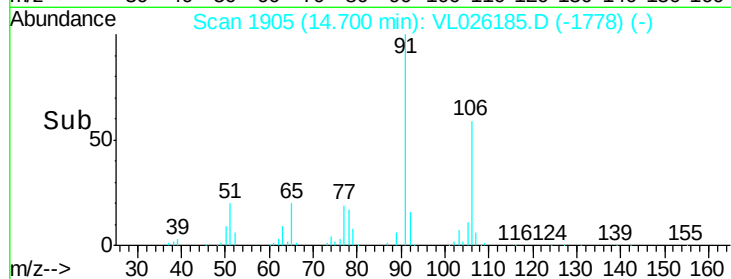
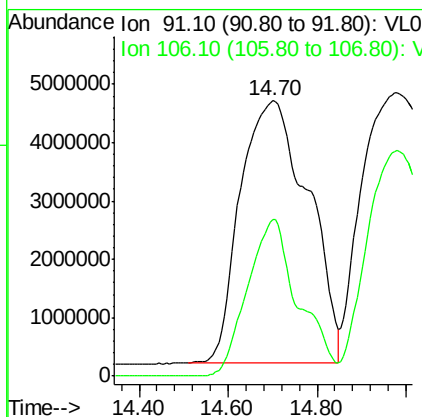
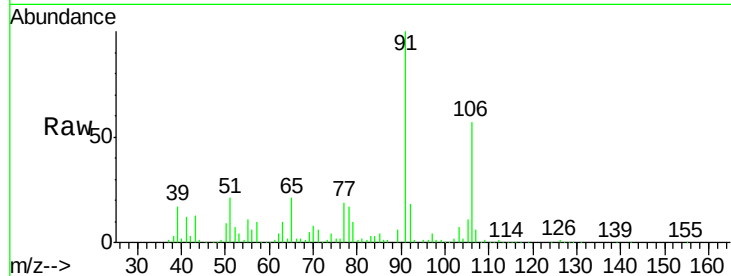




#58
Ethyl Benzene
Concen: 834.81 ppbv
RT: 14.70 min Scan# 1905
Delta R.T. 0.27 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

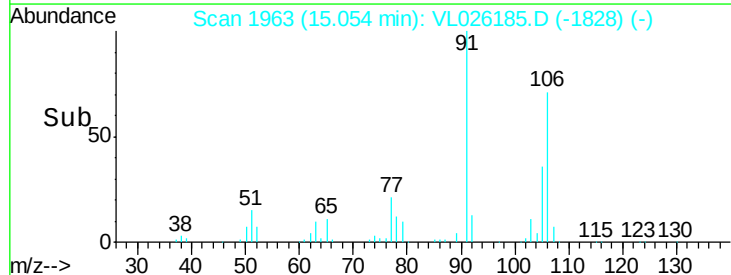
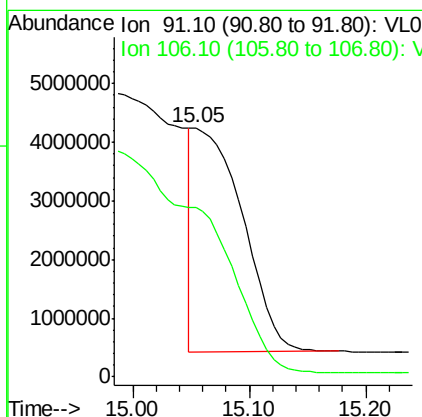
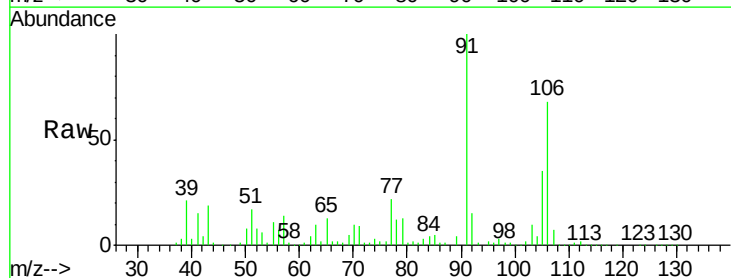
Instrument :
MSVOA_L
ClientSampled :

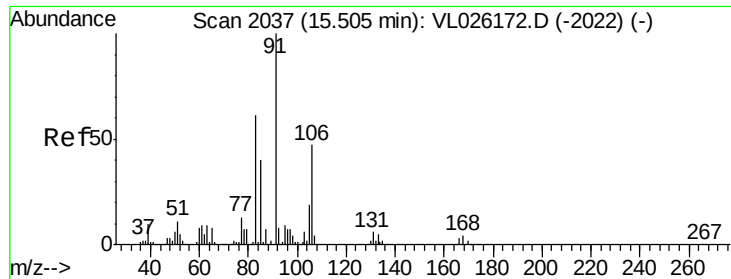
Tot Ion: 91 Resp:47385121
Ion Ratio Lower Upper
91 100
106 59.7 26.1 39.1#



#59
m/p-Xylene
Concen: 242.84 ppbv
RT: 15.05 min Scan# 1963
Delta R.T. 0.32 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

Tgt Ion: 91 Resp:11061751
Ion Ratio Lower Upper
91 100
106 0.0 40.2 60.4#

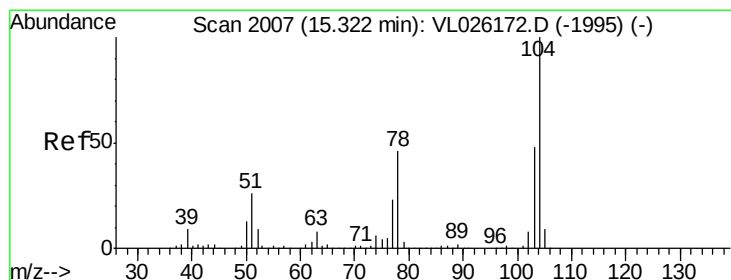
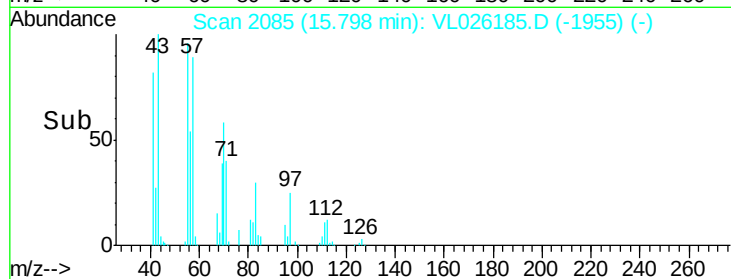
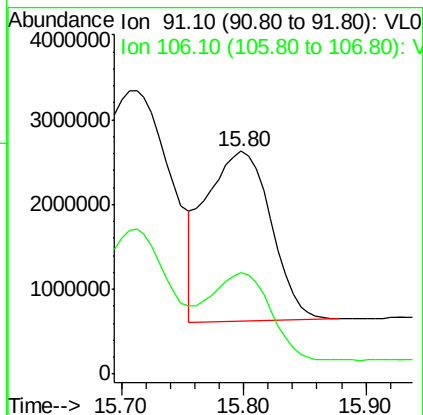
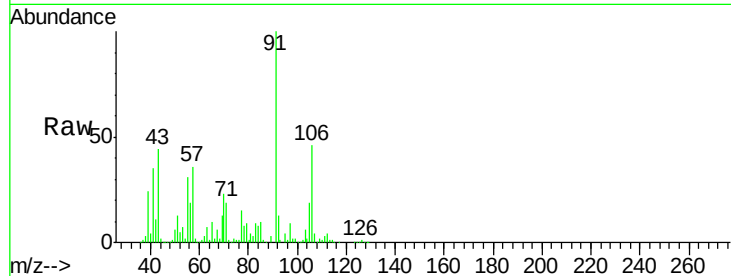




#60
o-Xylene
Concen: 155.21 ppbv
RT: 15.80 min Scan# 2085
Delta R.T. 0.29 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

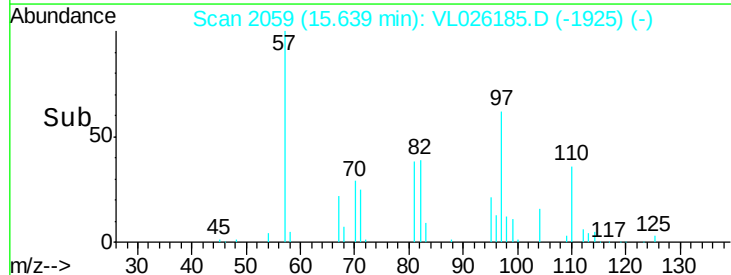
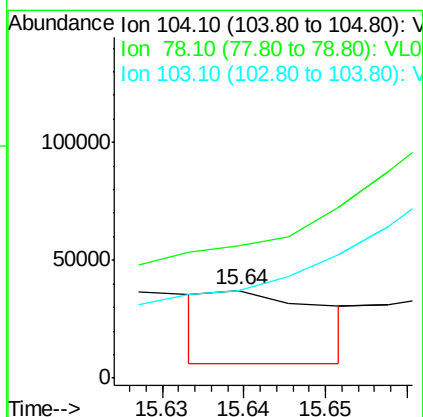
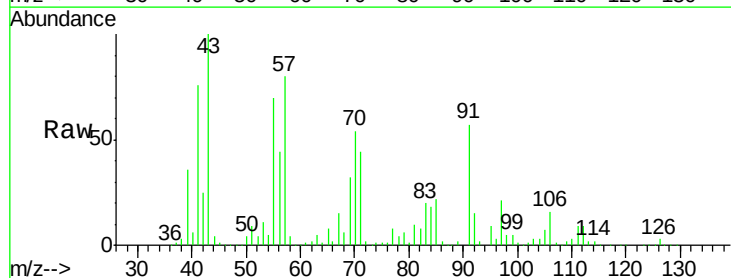
Instrument :
MSVOA_L
ClientSampled :

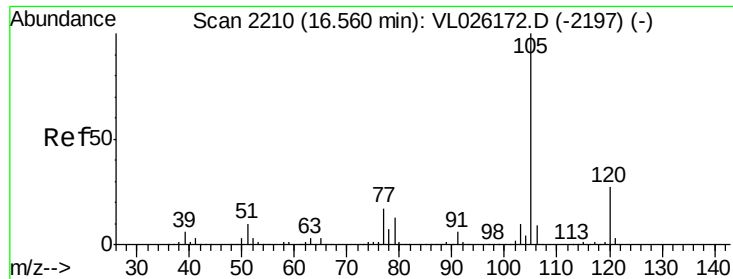
Tot Ion: 91 Resp: 7408880
Ion Ratio Lower Upper
91 100
106 44.4 23.4 70.3



#61
Styrene
Concen: 1.53 ppbv
RT: 15.64 min Scan# 2059
Delta R.T. 0.32 min
Lab File: VL026185.D
Acq: 9 Oct 2015 20:56

Tgt Ion: 104 Resp: 29798
Ion Ratio Lower Upper
104 100
78 0.0 36.1 54.1#
103 0.0 37.5 56.3#





#62

Isopropylbenzene

Concen: 0.09 ppbv

RT: 17.07 min Scan# 2293

Delta R.T. 0.51 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Instrument :

MSVOA_L

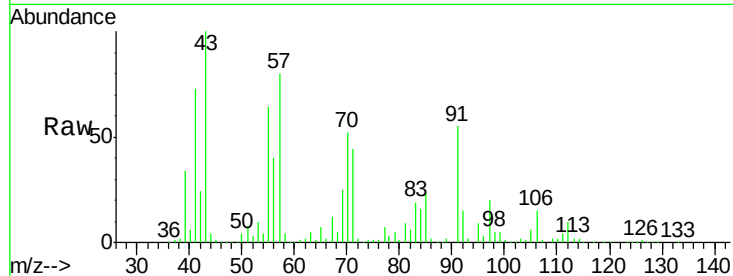
ClientSampleId :

Tot Ion:105 Resp: 5422

Ion Ratio Lower Upper

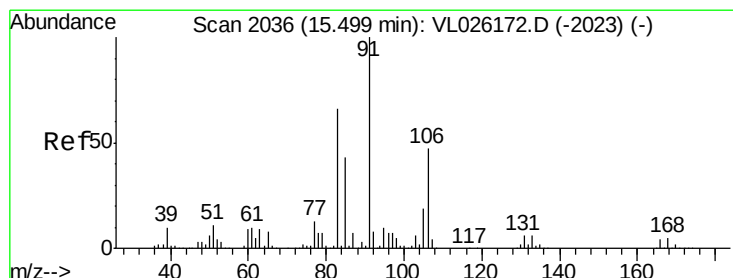
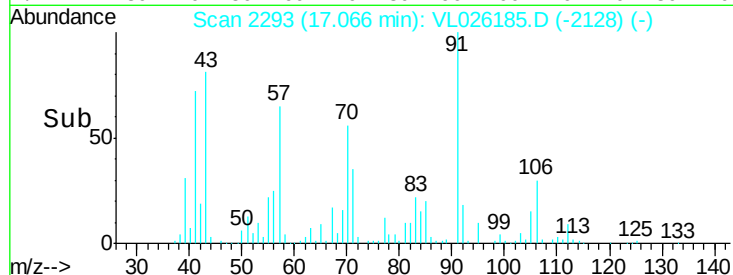
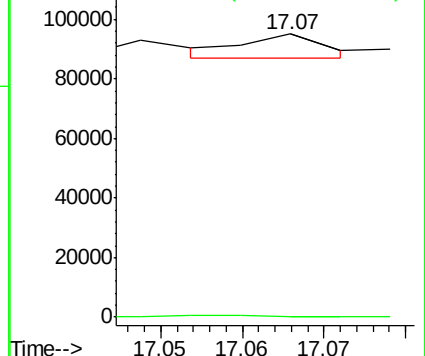
105 100

120 31.1 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#63

1,1,2,2-Tetrachloroethane

Concen: 5.05 ppbv

RT: 15.87 min Scan# 2097

Delta R.T. 0.37 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

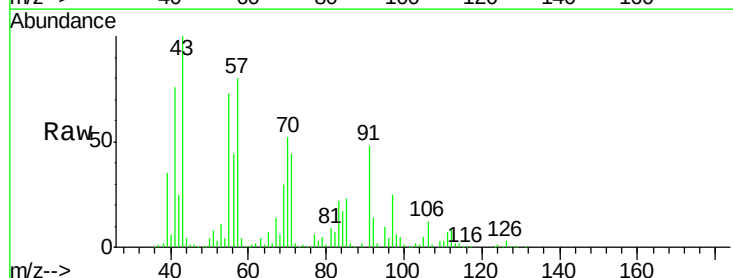
Tgt Ion: 83 Resp: 179282

Ion Ratio Lower Upper

83 100

131 1.2 4.5 13.7#

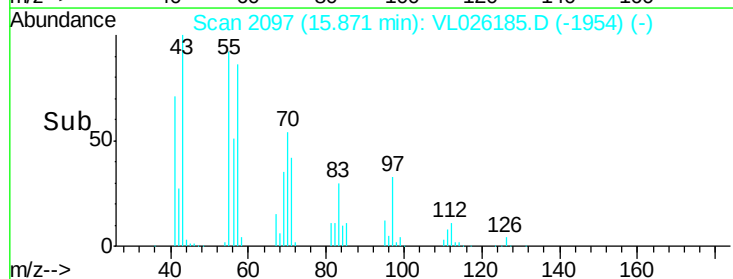
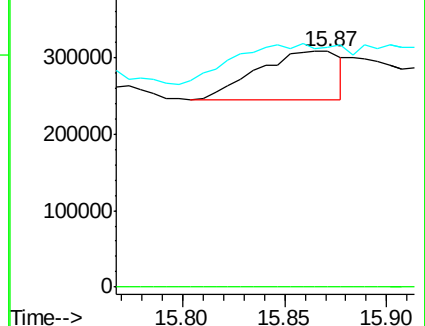
85 0.0 32.6 97.7#

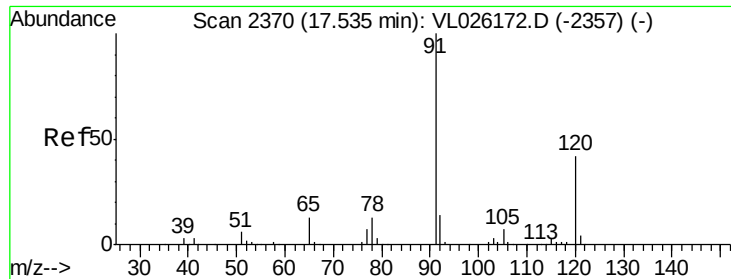


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.12 ppbv

RT: 17.93 min Scan# 2435

Delta R.T. 0.40 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Instrument :

MSVOA_L

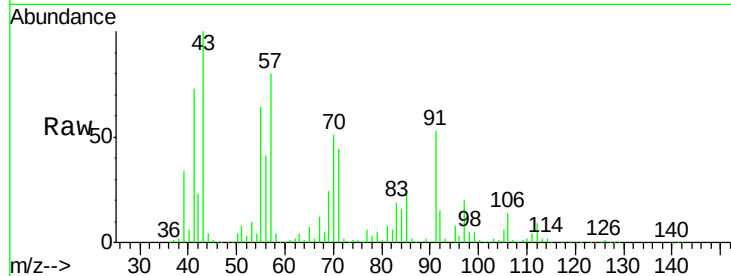
ClientSampled :

Tot Ion:120 Resp: 2007

Ion Ratio Lower Upper

120 100

91 0.0 353.4 530.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

1000000

800000

600000

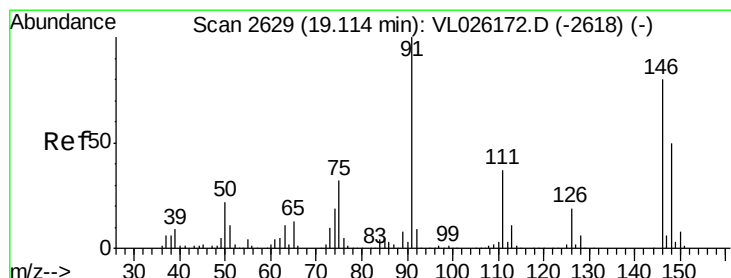
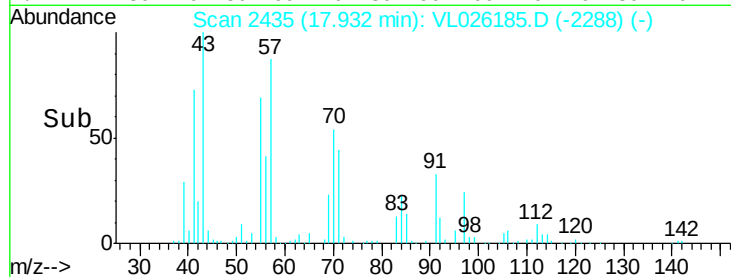
400000

200000

0

17.93

Time--> 17.92 17.94 17.96



#66

Benzyl Chloride

Concen: 1.14 ppbv

RT: 19.55 min Scan# 2701

Delta R.T. 0.44 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

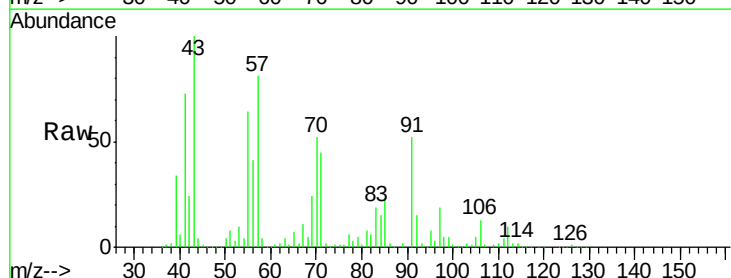
Tgt Ion: 91 Resp: 18804

Ion Ratio Lower Upper

91 100

126 49.5 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

1200000

1000000

800000

600000

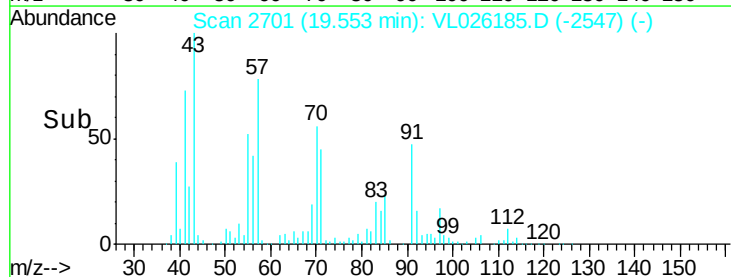
400000

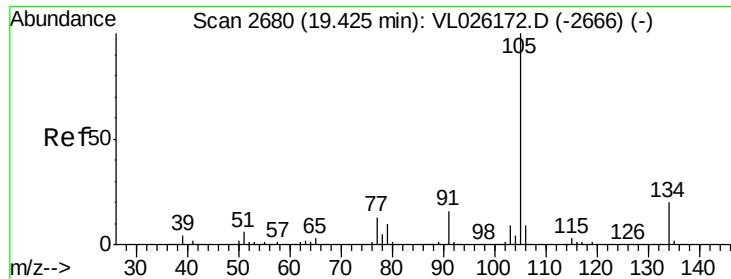
200000

0

19.55

Time--> 19.52 19.54 19.56





#67

sec-Butylbenzene

Concen: 0.03 ppbv

RT: 19.86 min Scan# 2751

Delta R.T. 0.43 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Instrument :

MSVOA_L

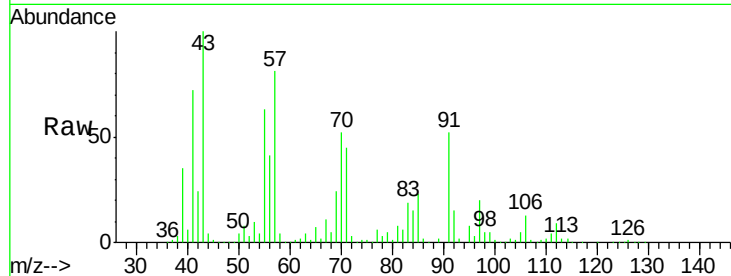
ClientSampleId :

Tot Ion: 105 Resp: 2449

Ion Ratio Lower Upper

105 100

134 0.0 15.9 23.9#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

19.86

100000

80000

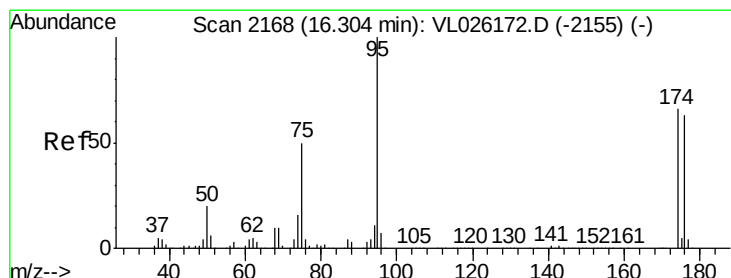
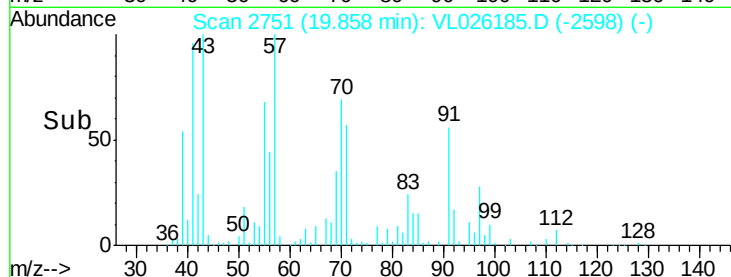
60000

40000

20000

0

Time--> 19.84 19.86 19.88



#68

1-Bromo-4-Fluorobenzene

Concen: 0.05 ppbv

RT: 16.66 min Scan# 2227

Delta R.T. 0.36 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

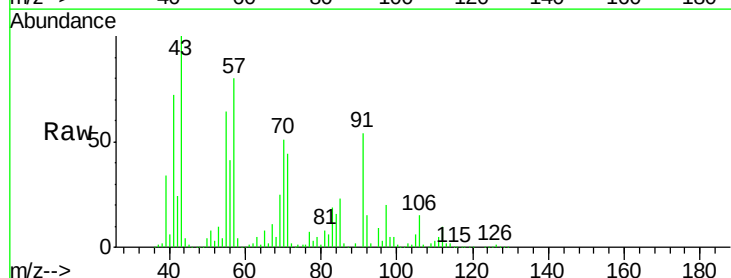
Tgt Ion: 95 Resp: 1628

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

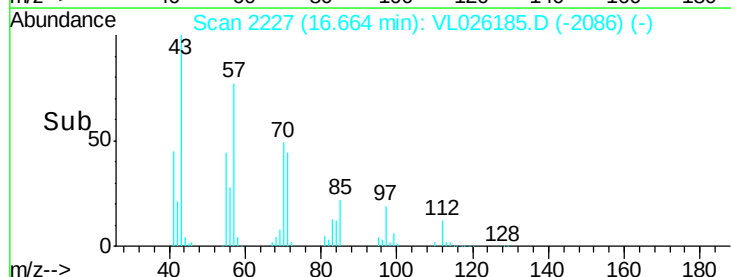
150000

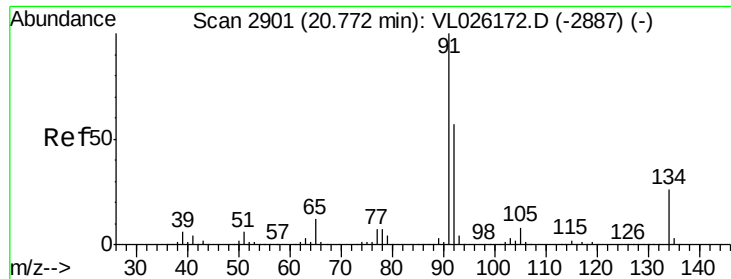
100000

50000

0

Time--> 16.66 16.67





#70

n-Butylbenzene

Concen: 0.46 ppbv

RT: 21.24 min Scan# 2978

Delta R.T. 0.47 min

Lab File: VL026185.D

Acq: 9 Oct 2015 20:56

Instrument :

MSVOA_L

ClientSampleId :

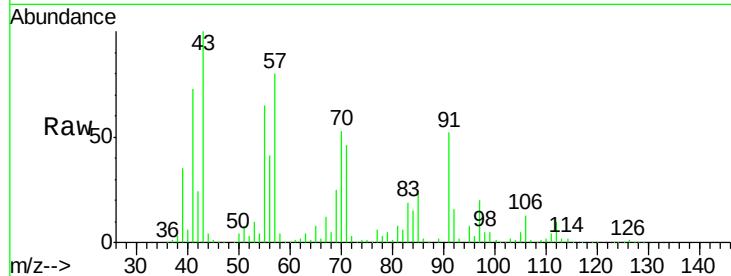
Tot Ion: 91 Resp: 27083

Ion Ratio Lower Upper

91 100

92 0.0 45.0 67.6#

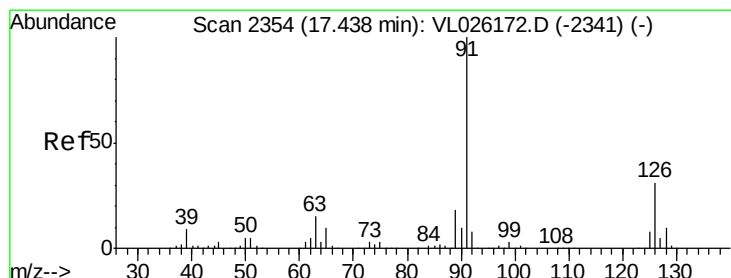
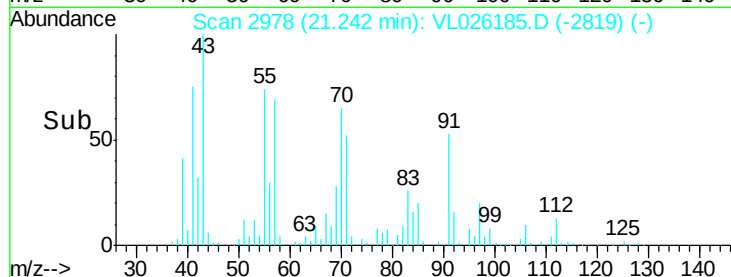
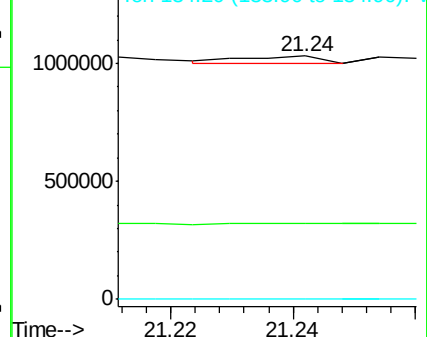
134 0.0 19.8 29.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): VL0



#71

2-Chlorotoluene

Concen: 0.19 ppbv

RT: 17.87 min Scan# 2425

Delta R.T. 0.43 min

Lab File: VL026185.D

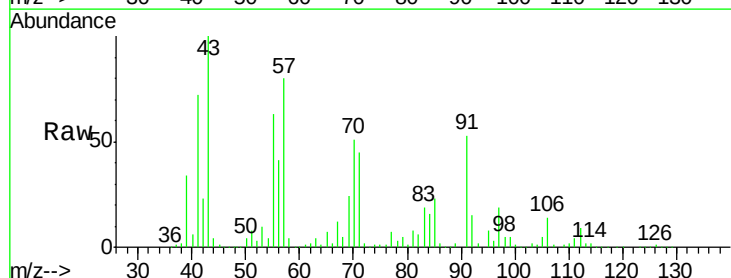
Acq: 9 Oct 2015 20:56

Tgt Ion: 91 Resp: 8948

Ion Ratio Lower Upper

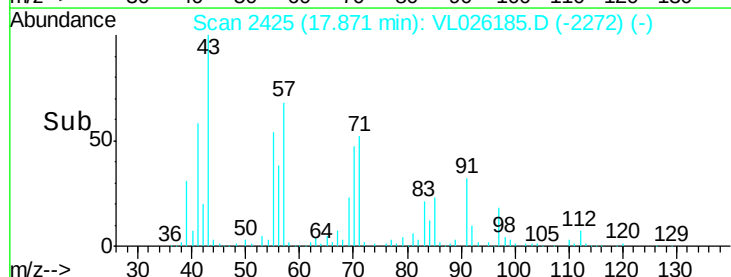
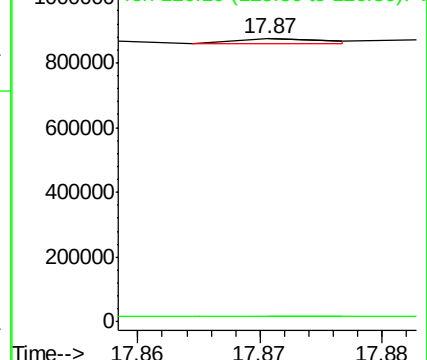
91 100

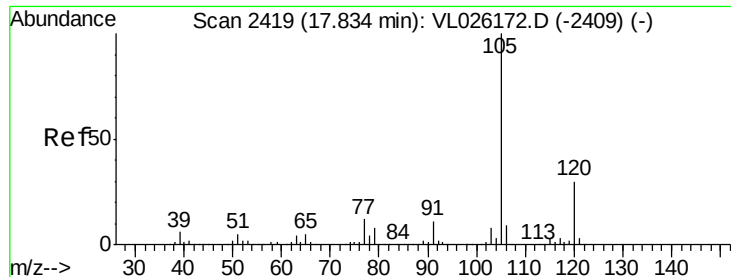
126 32.3 12.8 51.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0





#72

4-Ethyltoluene

Concen: 0.04 ppbv

RT: 18.24 min Scan# 2485

Delta R.T. 0.40 min

Lab File: VL026185.D

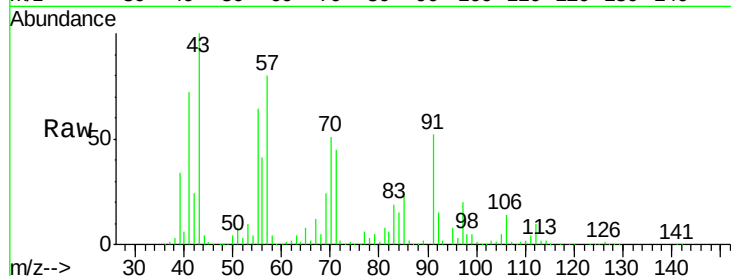
Acq: 9 Oct 2015 20:56

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	1952
Ion	Ratio	Lower	Upper
105	100		
120	43.6	24.7	37.1#
91	0.0	9.2	13.8#
77	244.9	9.8	14.8#

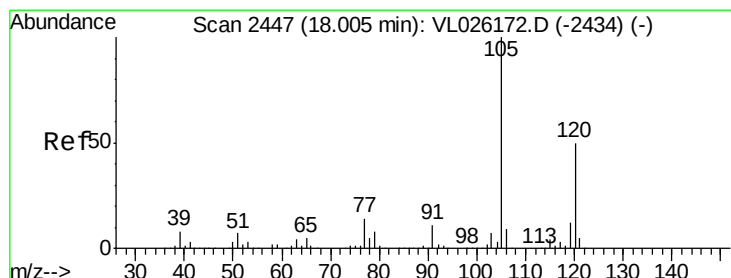
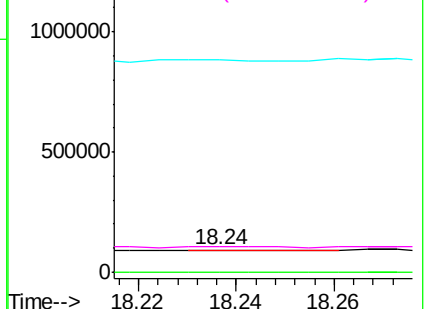
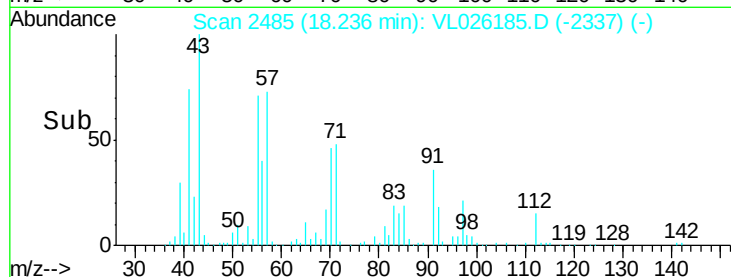


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.03 ppbv

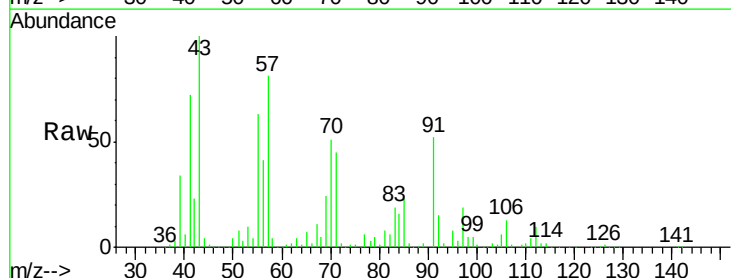
RT: 18.41 min Scan# 2514

Delta R.T. 0.41 min

Lab File: VL026185.D

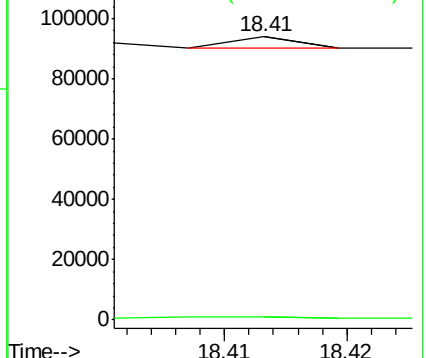
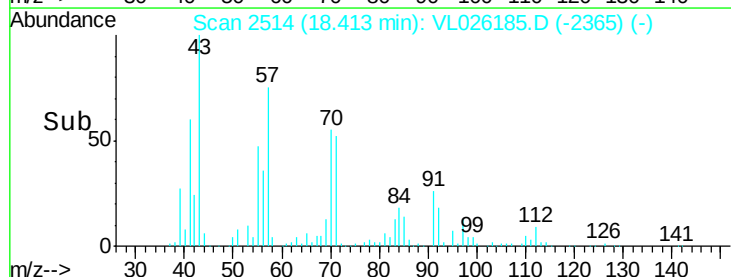
Acq: 9 Oct 2015 20:56

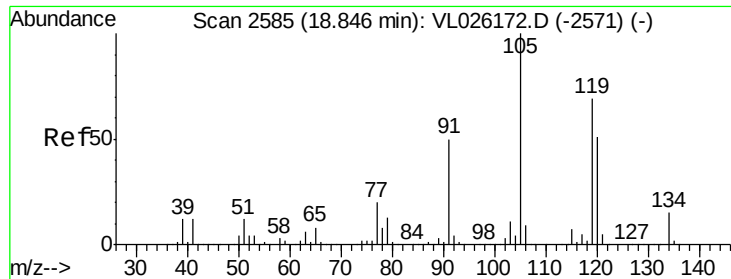
Tgt Ion:	105	Resp:	1465
Ion	Ratio	Lower	Upper
105	100		
120	12.3	40.1	60.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

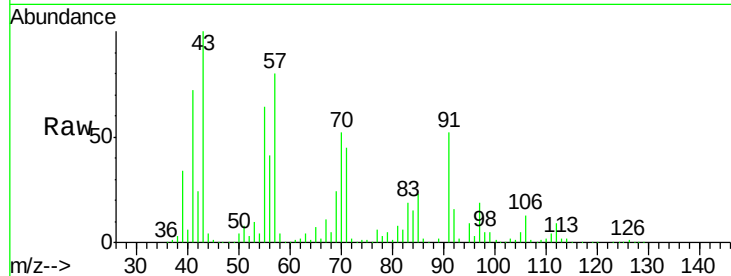




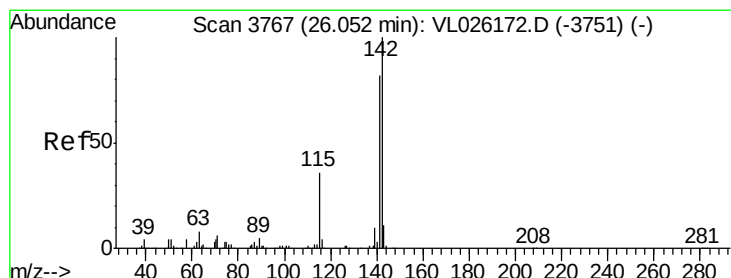
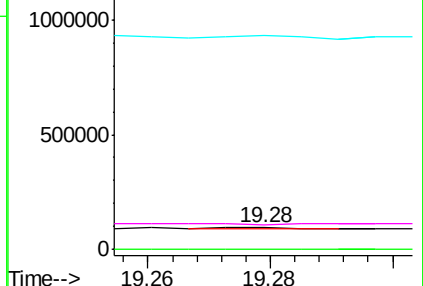
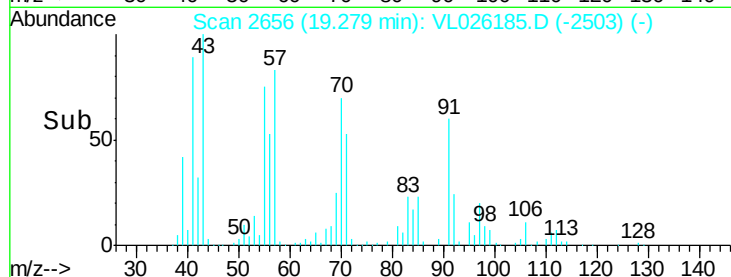
#74
 1,2,4-Trimethylbenzene
 Concen: 0.06 ppbv
 RT: 19.28 min Scan# 2656
 Delta R.T. 0.43 min
 Lab File: VL026185.D
 Acq: 9 Oct 2015 20:56

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:105 Resp: 3167
 Ion Ratio Lower Upper
 105 100
 120 0.7 41.1 61.7#
 91 800.0 39.8 59.6#
 77 0.0 16.3 24.5#

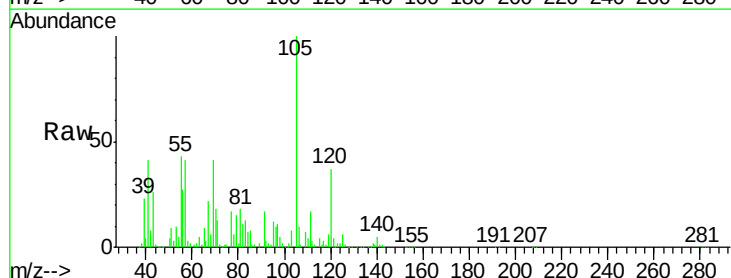


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0



#80
 Naphthalene,2-methyl-
 Concen: 5.59 ppbv
 RT: 26.66 min Scan# 3867
 Delta R.T. 0.61 min
 Lab File: VL026185.D
 Acq: 9 Oct 2015 20:56

Tgt Ion:142 Resp: 39545
 Ion Ratio Lower Upper
 142 100
 141 149.1 66.6 99.8#
 115 1438.5 28.4 42.6#



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 141.00 (140.70 to 141.70): V
 Ion 115.00 (114.70 to 115.70): V

