

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
 Data File : VL026238.D
 Acq On : 21 Oct 2015 15:13
 Operator : SY/MD
 Sample : G3973-01DL2 1000X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL2

Quant Time: Oct 22 08:33:23 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 2015
 QLast Update : Wed Oct 21 01:20:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.62	49	447608	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.30	114	1344774	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.71	117	1610687	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.25	95	1335012	10.75	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.50%

Target Compounds						Qvalue
3) Chlorodifluoromethane	3.56	51	30180	0.53	ppbv	97
9) Propene	3.58	41	1604	0.06	ppbv #	83
10) Heptane	9.33	43	221806	2.50	ppbv	94
13) Ethanol	4.34	45	894	0.22	ppbv #	36
15) Acetone	4.59	43	12401	0.19	ppbv #	48
16) 1,3-Butadiene	3.92	39	2472	0.08	ppbv #	7
17) tert-Butyl alcohol	5.17	59	2890	0.06	ppbv #	72
19) Isopropyl Alcohol	4.79	45	2238	0.09	ppbv #	1
20) Methylene Chloride	5.14	84	5637	0.21	ppbv	96
23) Vinyl Acetate	5.93	43	61541	0.51	ppbv #	1
25) Ethyl Acetate	6.63	43	102886	0.83	ppbv #	76
26) Hexane	6.63	57	152618	2.47	ppbv #	47
28) Methyl tert-Butyl Ether	5.98	73	3994	0.04	ppbv #	1
30) Cyclohexane	8.26	84	149107	2.41	ppbv	91
34) 2-Butanone	6.21	43	2566	0.03	ppbv #	50
36) Benzene	7.99	78	82673	0.60	ppbv	99
38) Trichloroethene	9.03	130	4527	0.07	ppbv #	90
39) 1,2-Dichloropropane	8.90	63	1394	0.03	ppbv #	1
41) Tetrahydrofuran	7.11	42	4044	0.09	ppbv #	34
42) Bromodichloromethane	8.98	83	46912	0.46	ppbv #	25
43) Methyl Methacrylate	9.18	69	24640	0.49	ppbv #	1
44) 2,2,4-Trimethylpentane	9.06	57	2888512	13.03	ppbv #	87
50) 4-Methyl-2-Pentanone	10.05	43	11377	0.11	ppbv #	80
51) 2-Hexanone	11.62	43	55588	0.58	ppbv #	40
52) Tetrachloroethene	12.76	164	20674	0.26	ppbv	94
53) Toluene	11.21	91	2537437	13.62	ppbv	99
57) Chlorobenzene	13.81	112	50741	0.33	ppbv #	42
58) Ethyl Benzene	14.38	91	512035	1.96	ppbv	99
59) m/p-Xylene	14.66	91	1454500	7.12	ppbv	99
60) o-Xylene	15.46	91	441573	2.07	ppbv	100
61) Styrene	15.28	104	5657	0.06	ppbv	94
62) Isopropylbenzene	16.50	105	36944	0.12	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.44	83	3620	0.03	ppbv #	25
64) n-propylbenzene	17.49	120	13030	0.16	ppbv	87
65) tert-Butylbenzene	18.79	119	14727	0.05	ppbv #	85
67) sec-Butylbenzene	19.37	105	16760	0.04	ppbv	98
69) p-Isopropyltoluene	19.75	119	13946	0.04	ppbv #	91
70) n-Butylbenzene	20.73	91	13041	0.05	ppbv	91
71) 2-Chlorotoluene	17.39	91	7581	0.03	ppbv	86
72) 4-Ethyltoluene	17.79	105	36253	0.15	ppbv	98
73) 1,3,5-Trimethylbenzene	17.95	105	36343	0.16	ppbv	92

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026238.D
Acq On : 21 Oct 2015 15:13
Operator : SY/MD
Sample : G3973-01DL2 1000X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Quant Time: Oct 22 08:33:23 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration

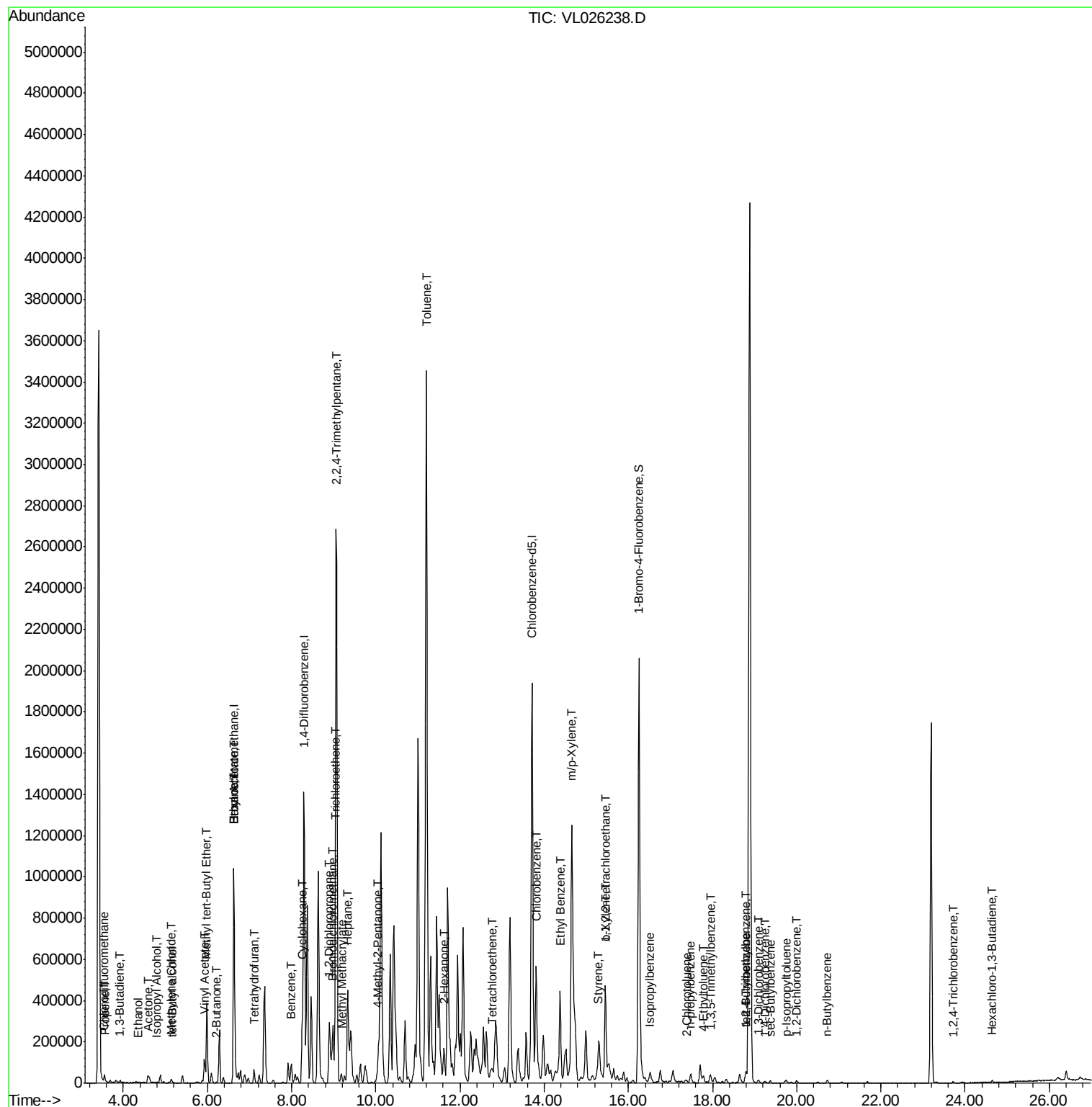
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	18.80	105	49937	0.21	ppbv #	77
75) 1,3-Dichlorobenzene	19.09	146	6108	0.04	ppbv	90
76) 1,4-Dichlorobenzene	19.24	146	3584	0.02	ppbv #	51
77) 1,2-Dichlorobenzene	19.99	146	6300	0.04	ppbv	97
78) Hexachloro-1,3-Butadiene	24.64	225	3621	0.04	ppbv	92
81) 1,2,4-Trichlorobenzene	23.71	180	3856	0.04	ppbv #	87

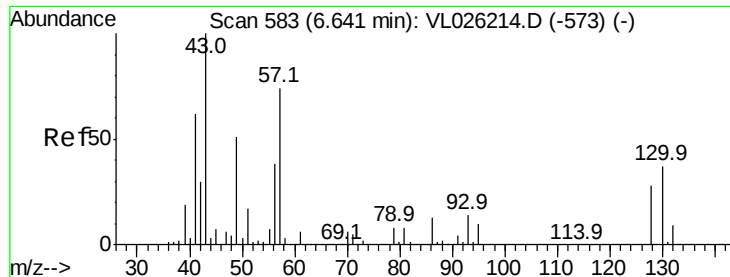
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026238.D
Acq On : 21 Oct 2015 15:13
Operator : SY/MD
Sample : G3973-01DL2 1000X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Quant Time: Oct 22 08:33:23 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.62 min Scan# 580

Delta R.T. -0.02 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL2

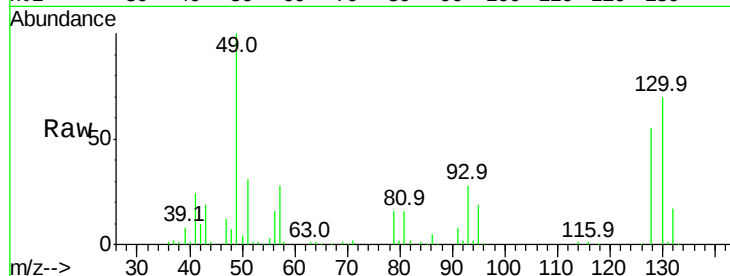
Tgt Ion: 49 Resp: 447608

Ion Ratio Lower Upper

49 100

128 57.0 28.2 84.7

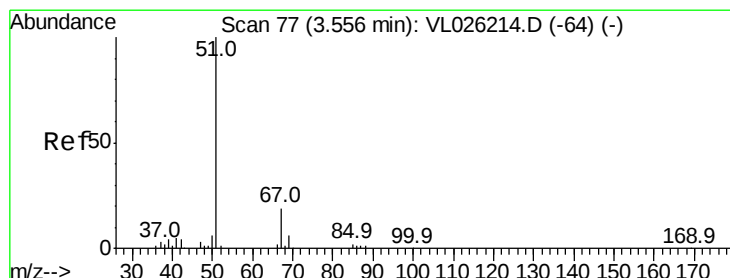
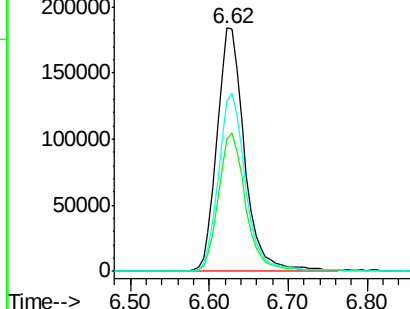
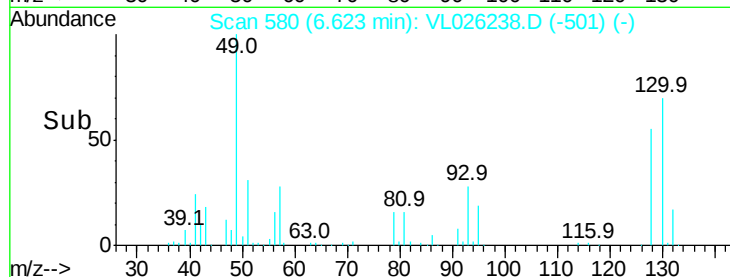
130 73.4 36.0 108.1



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



#3

Chlorodifluoromethane

Concen: 0.53 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026238.D

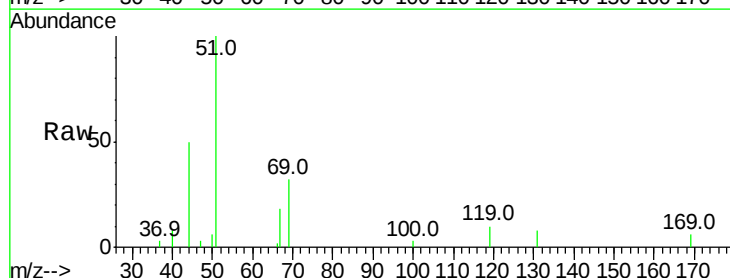
Acq: 21 Oct 2015 15:13

Tgt Ion: 51 Resp: 30180

Ion Ratio Lower Upper

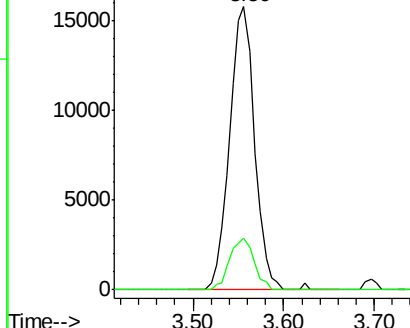
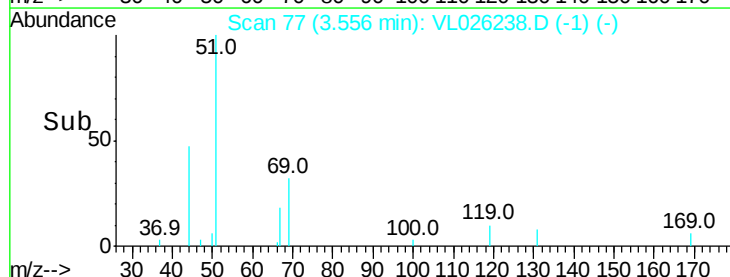
51 100

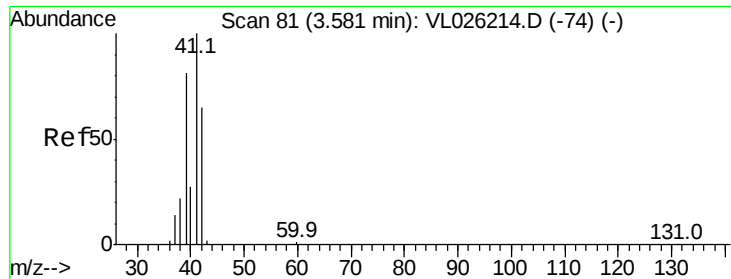
67 17.9 15.3 22.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.06 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

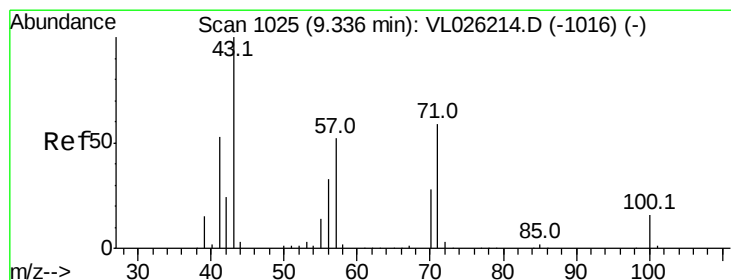
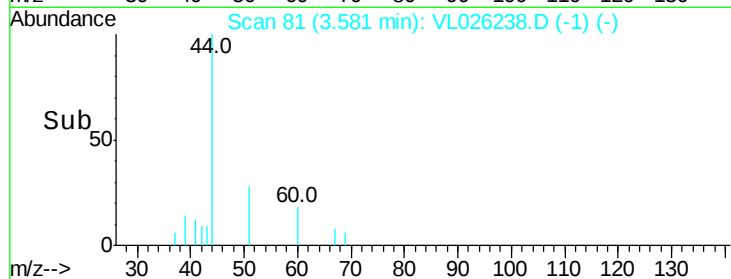
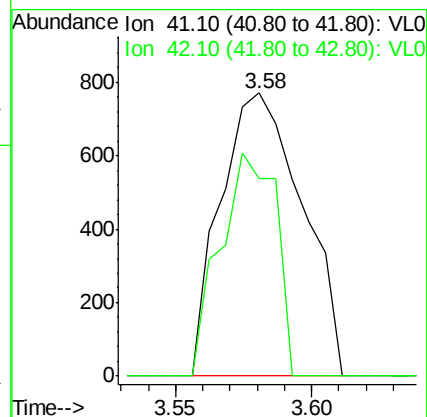
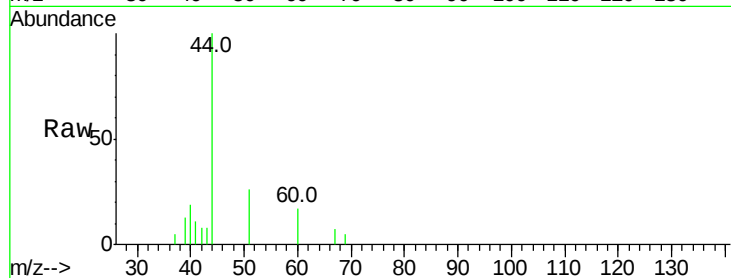
SS-1DL2

Tgt Ion: 41 Resp: 1604

Ion Ratio Lower Upper

41 100

42 53.6 53.8 80.8#



#10

Heptane

Concen: 2.50 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. -0.01 min

Lab File: VL026238.D

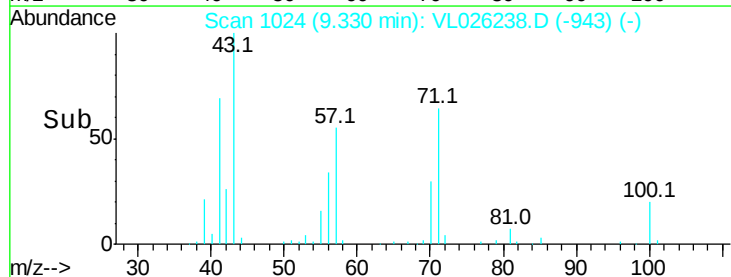
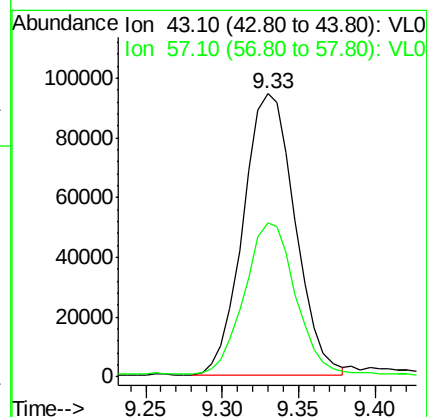
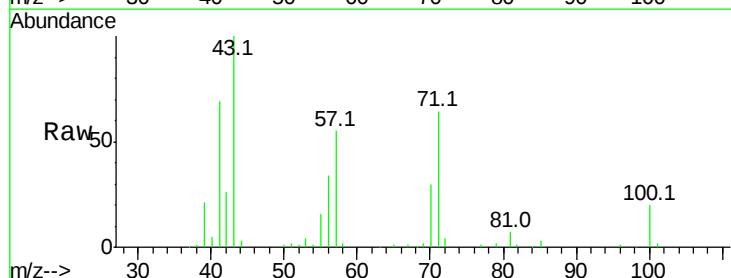
Acq: 21 Oct 2015 15:13

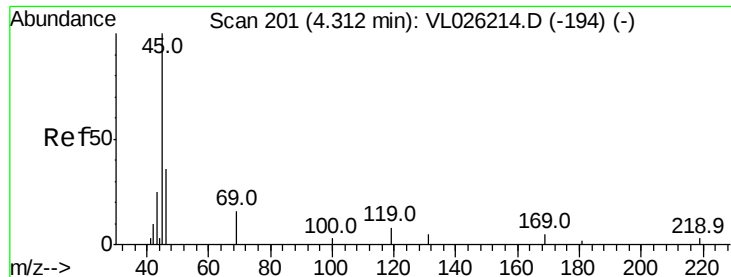
Tgt Ion: 43 Resp: 221806

Ion Ratio Lower Upper

43 100

57 58.9 43.7 65.5

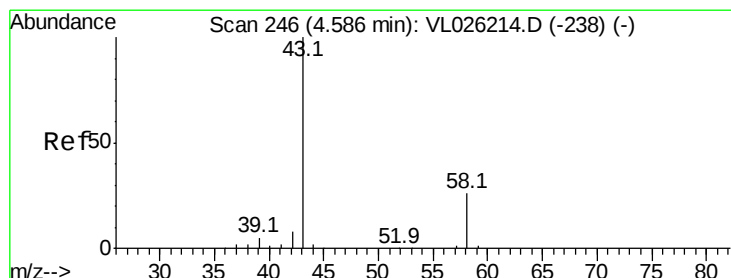
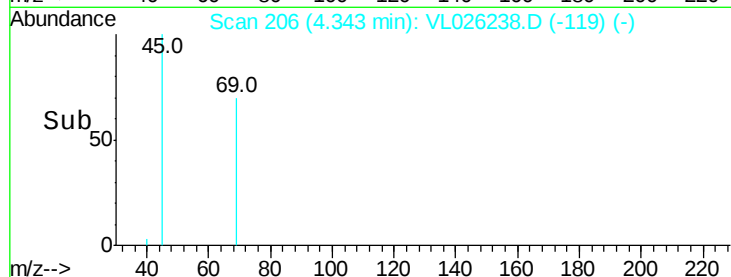
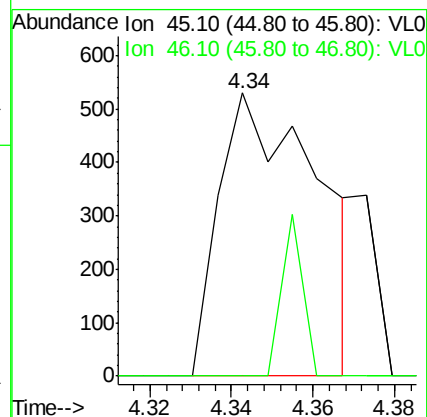
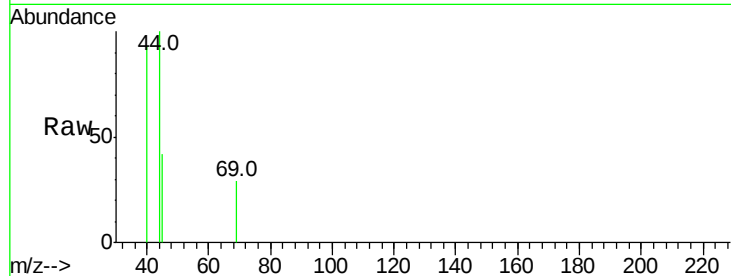




#13
Ethanol
Concen: 0.22 ppbv
RT: 4.34 min Scan# 206
Delta R.T. 0.03 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

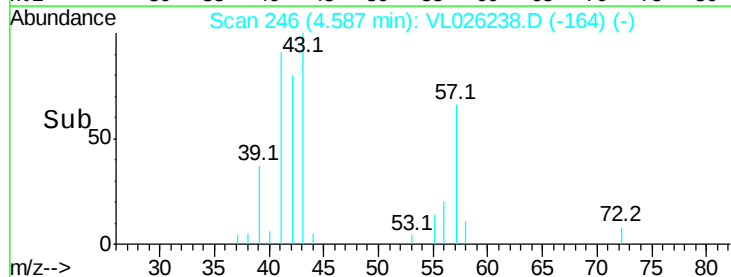
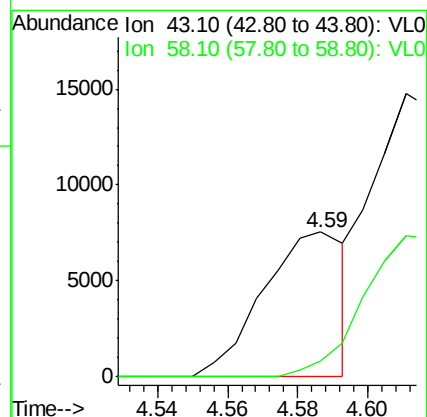
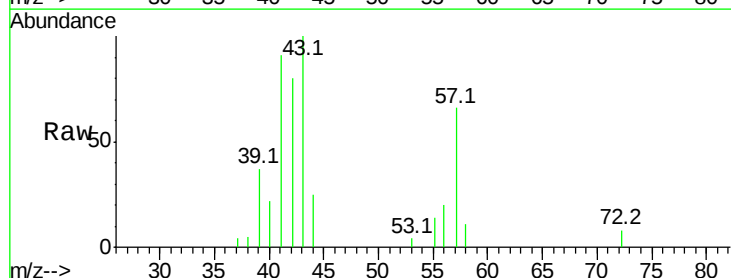
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

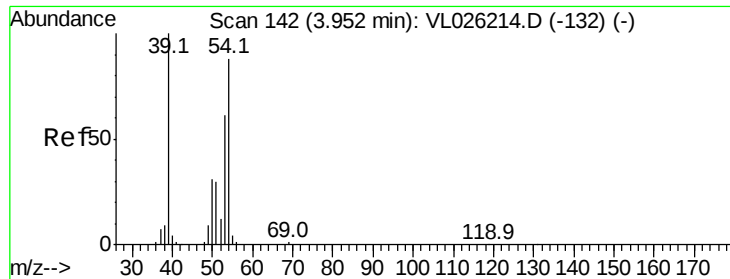
Tgt Ion: 45 Resp: 894
Ion Ratio Lower Upper
45 100
46 0.0 15.8 63.0#



#15
Acetone
Concen: 0.19 ppbv
RT: 4.59 min Scan# 246
Delta R.T. 0.00 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion: 43 Resp: 12401
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.6#

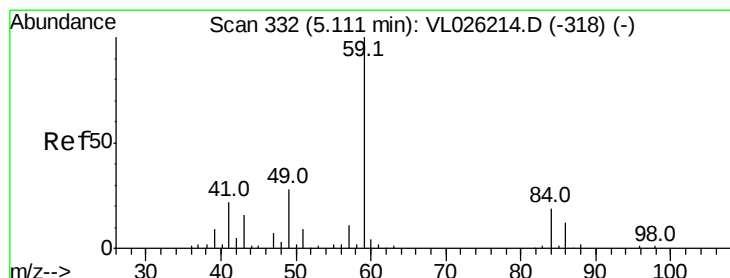
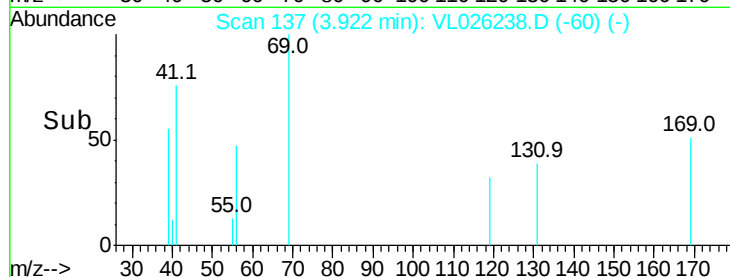
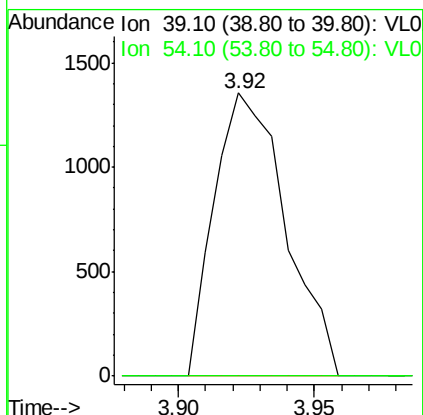
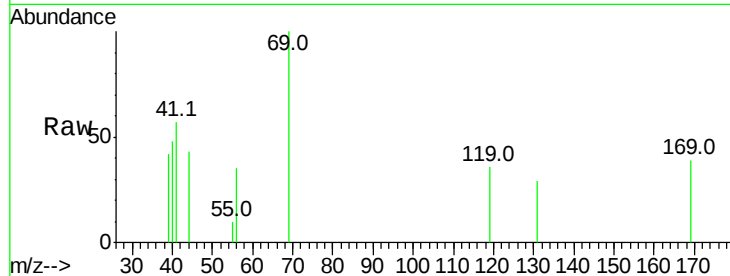




#16
 1,3-Butadiene
 Concen: 0.08 ppbv
 RT: 3.92 min Scan# 137
 Delta R.T. -0.03 min
 Lab File: VL026238.D
 Acq: 21 Oct 2015 15:13

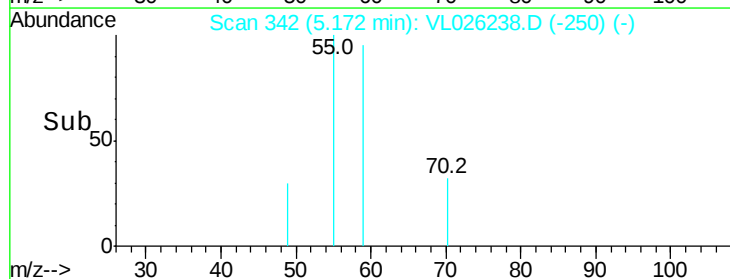
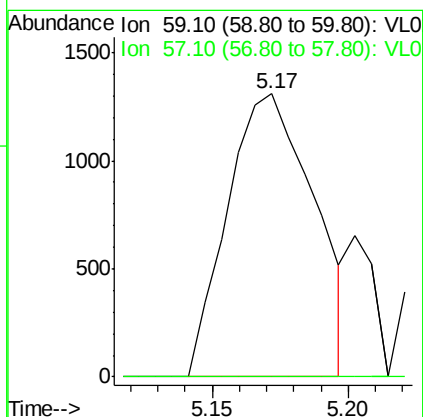
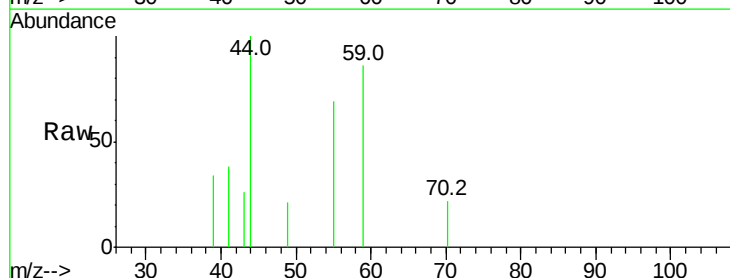
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL2

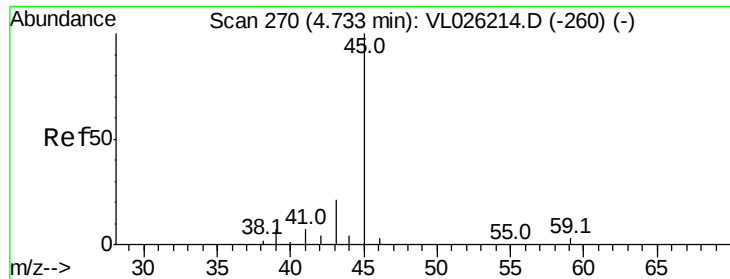
Tgt Ion: 39 Resp: 2472
 Ion Ratio Lower Upper
 39 100
 54 0.0 67.3 100.9#



#17
 tert-Butyl alcohol
 Concen: 0.06 ppbv
 RT: 5.17 min Scan# 342
 Delta R.T. 0.06 min
 Lab File: VL026238.D
 Acq: 21 Oct 2015 15:13

Tgt Ion: 59 Resp: 2890
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#





#19

Isopropyl Alcohol

Concen: 0.09 ppbv

RT: 4.79 min Scan# 279

Delta R.T. 0.05 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

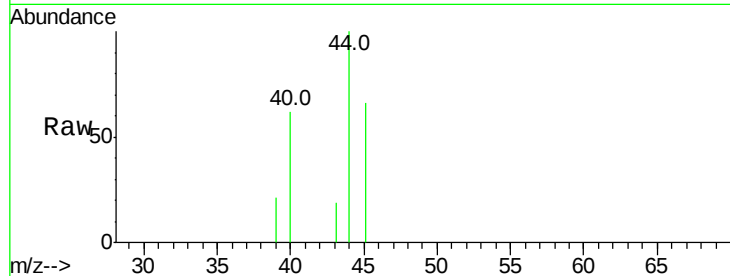
SS-1DL2

Tgt Ion: 45 Resp: 2238

Ion Ratio Lower Upper

45 100

58 751.7 40.3 60.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.79

1200

1000

800

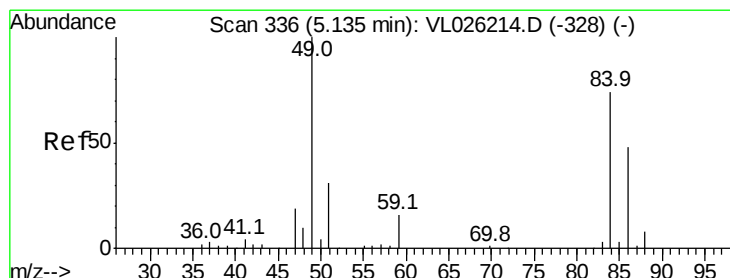
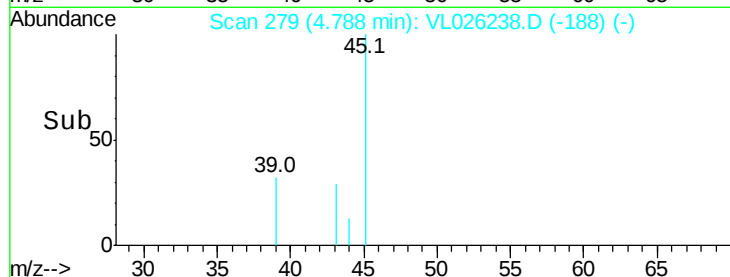
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 0.21 ppbv

RT: 5.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Tgt Ion: 84 Resp: 5637

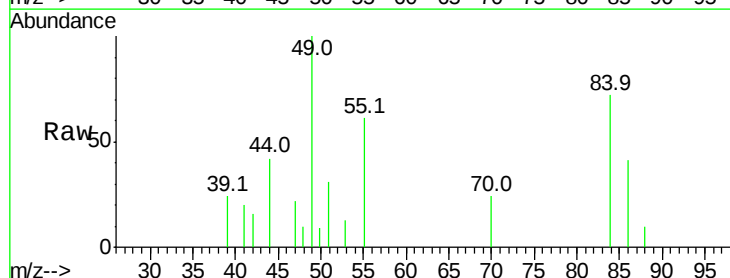
Ion Ratio Lower Upper

84 100

49 138.3 108.7 163.1

51 42.6 33.7 50.5

86 57.2 52.2 78.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

5000

4000

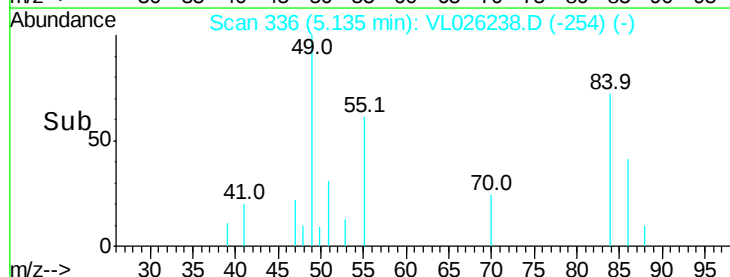
3000

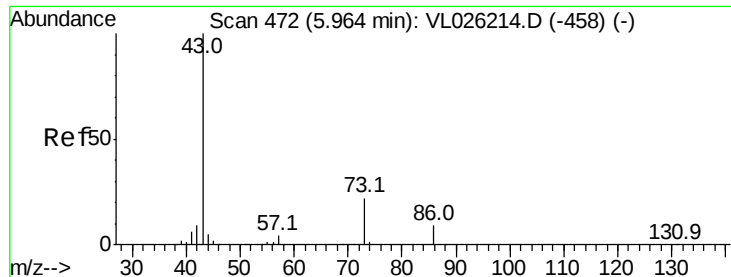
2000

1000

0

Time-->





#23

Vinyl Acetate

Concen: 0.51 ppbv

RT: 5.93 min Scan# 466

Delta R.T. -0.04 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL2

Tgt Ion: 43 Resp: 61541

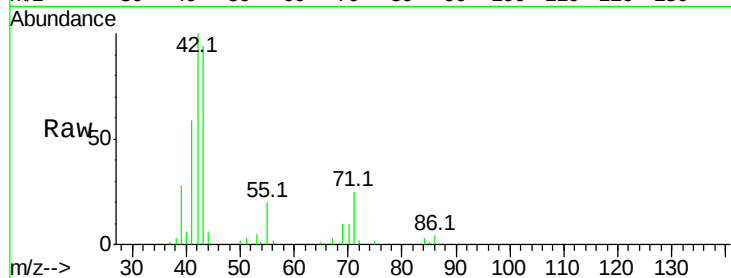
Ion Ratio Lower Upper

43 100

86 4.6 7.0 10.6#

42 106.6 7.5 11.3#

44 3.8 3.6 5.4

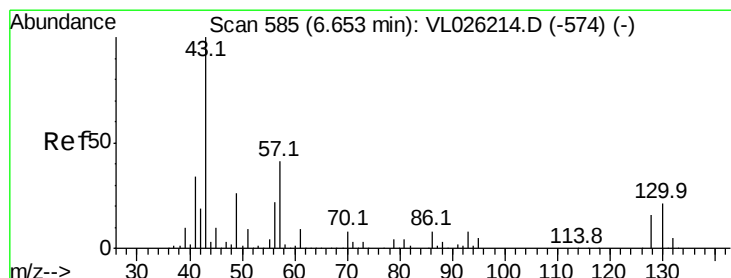
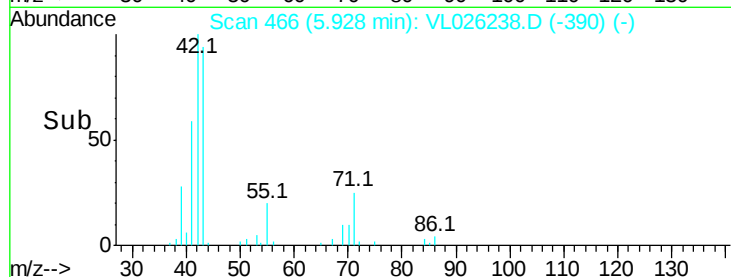
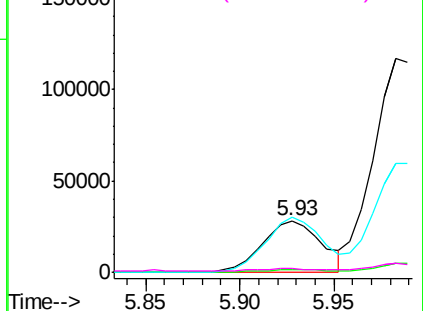


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#25

Ethyl Acetate

Concen: 0.83 ppbv

RT: 6.63 min Scan# 582

Delta R.T. -0.02 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Tgt Ion: 43 Resp: 102886

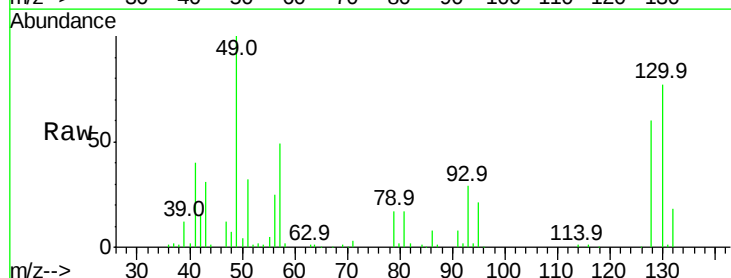
Ion Ratio Lower Upper

43 100

45 0.0 7.7 11.5#

61 0.0 7.5 11.3#

70 1.4 6.9 10.3#

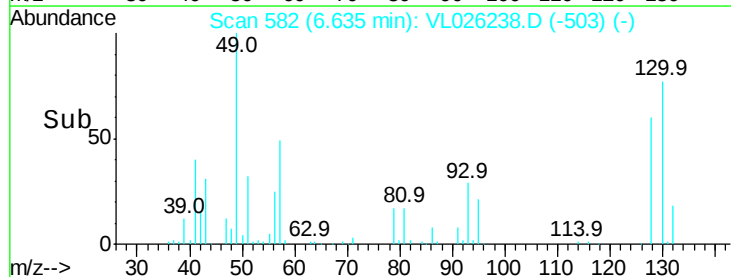
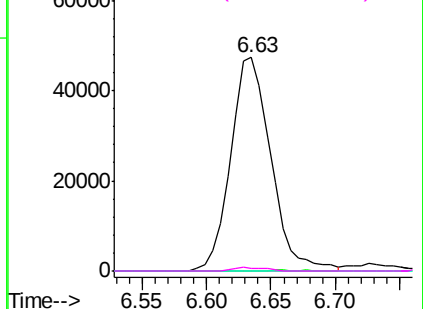


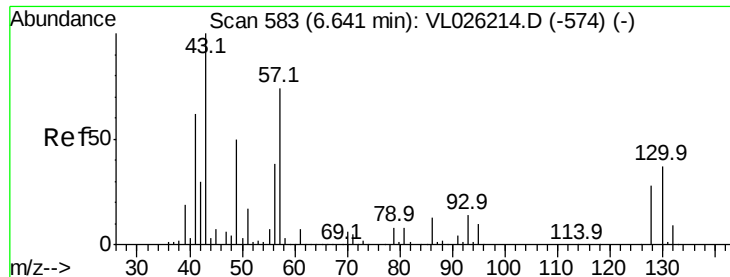
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 2.47 ppbv

RT: 6.63 min Scan# 582

Delta R.T. -0.01 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL2

Tgt Ion: 57 Resp: 152618

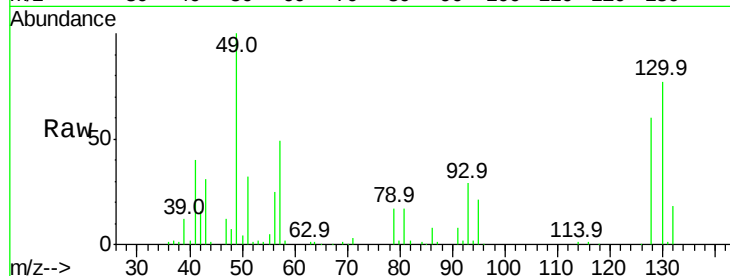
Ion Ratio Lower Upper

57 100

41 86.7 68.1 102.1

43 71.3 163.4 245.2#

56 54.9 42.2 63.4

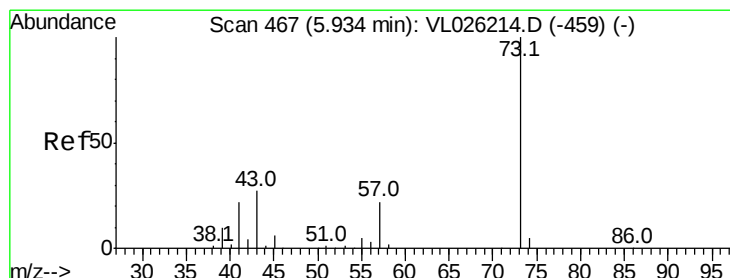
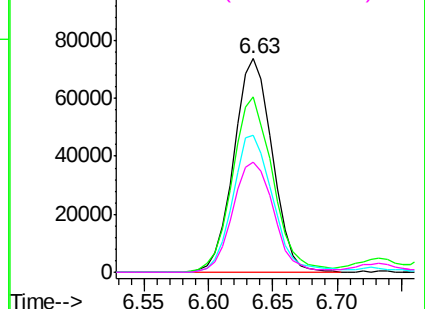
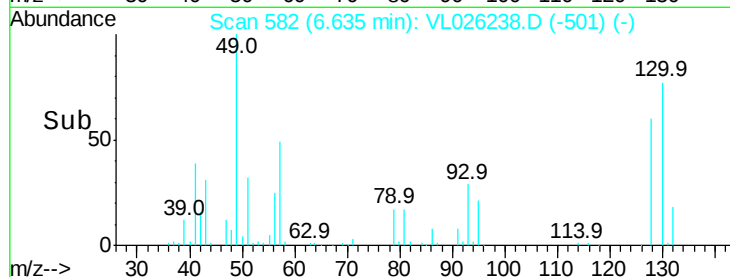


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.04 ppbv

RT: 5.98 min Scan# 474

Delta R.T. 0.04 min

Lab File: VL026238.D

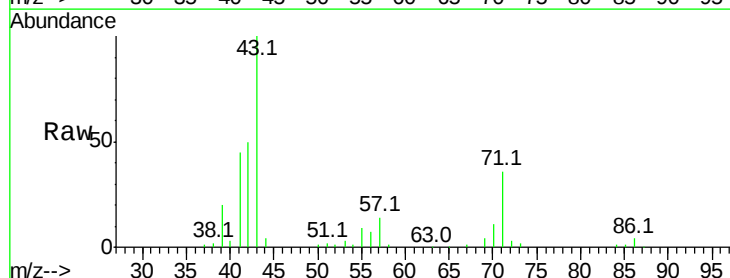
Acq: 21 Oct 2015 15:13

Tgt Ion: 73 Resp: 3994

Ion Ratio Lower Upper

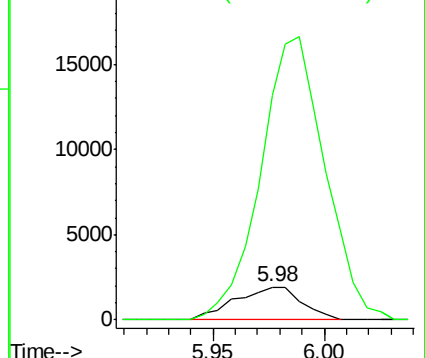
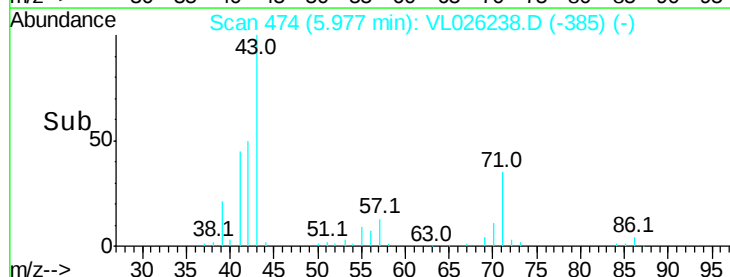
73 100

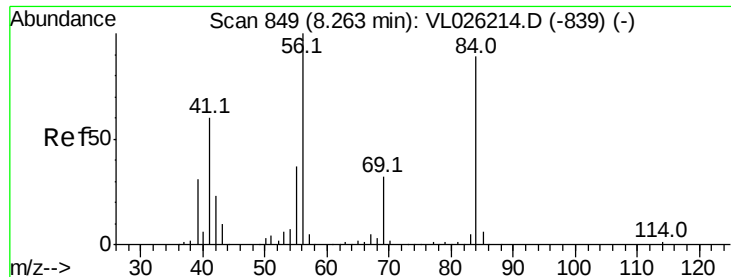
57 834.5 17.4 26.0#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

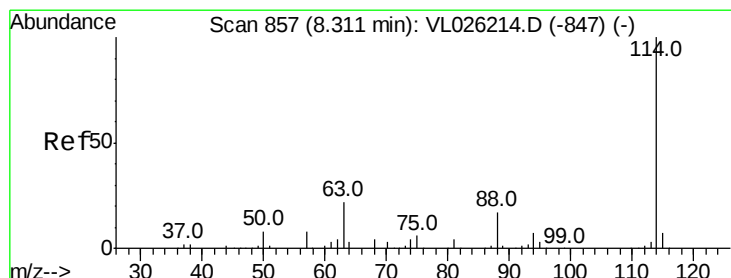
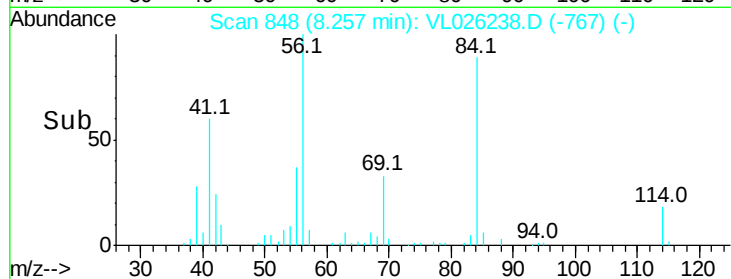
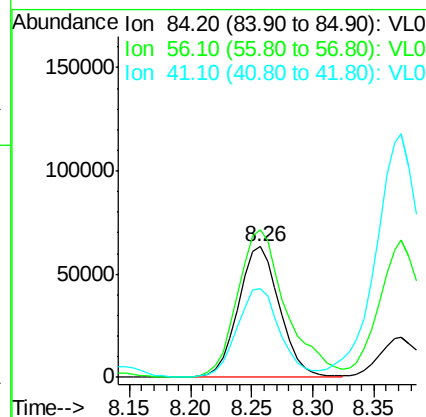
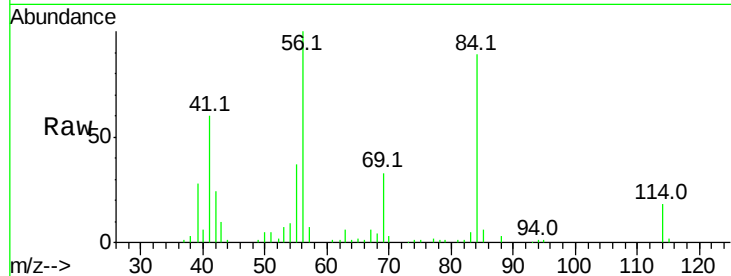




#30
Cyclohexane
Concen: 2.41 ppbv
RT: 8.26 min Scan# 848
Delta R.T. -0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

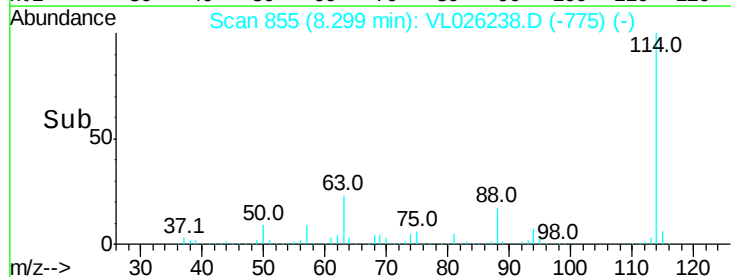
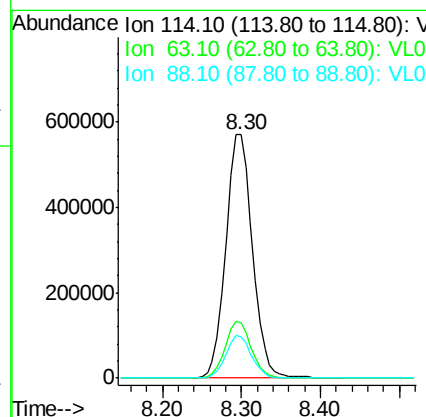
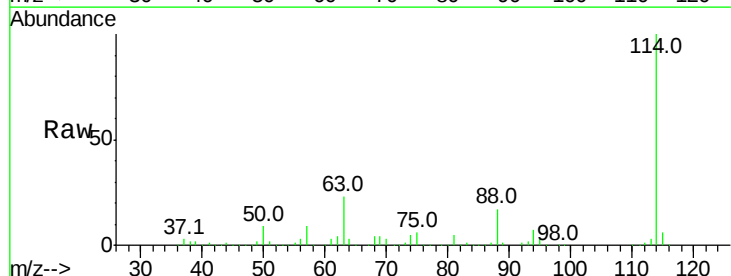
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

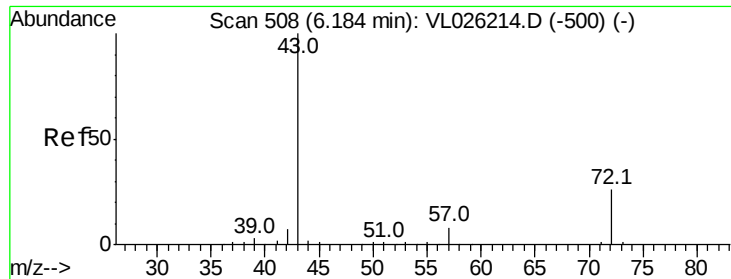
Tgt Ion: 84 Resp: 149107
Ion Ratio Lower Upper
84 100
56 133.4 95.9 143.9
41 71.1 54.8 82.2



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.30 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion: 114 Resp: 1344774
Ion Ratio Lower Upper
114 100
63 23.0 18.2 27.4
88 16.9 13.5 20.3





#34

2-Butanone

Concen: 0.03 ppbv

RT: 6.21 min Scan# 512

Delta R.T. 0.02 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

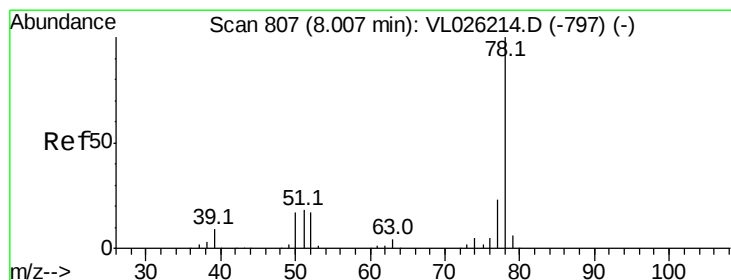
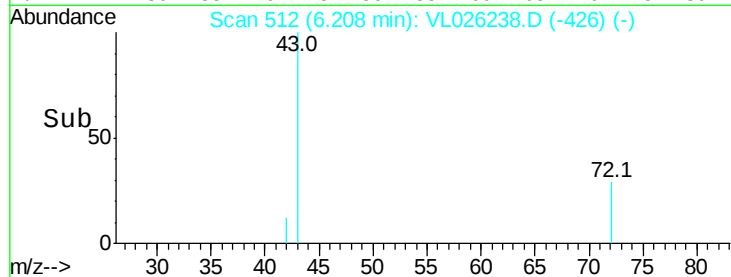
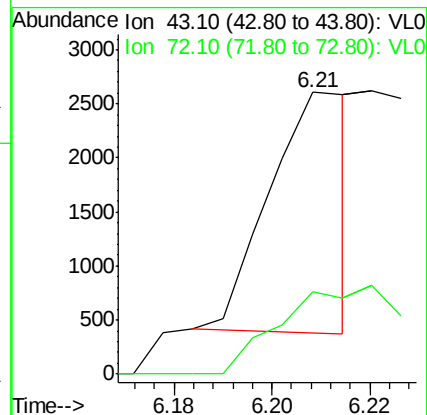
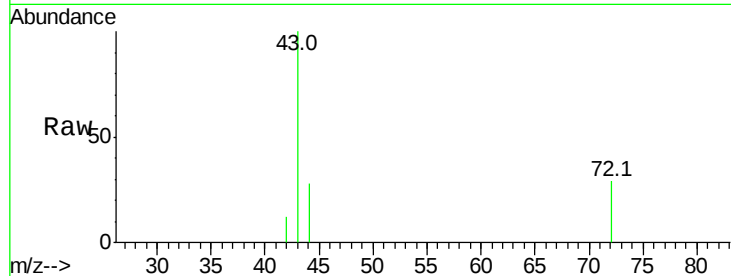
SS-1DL2

Tgt Ion: 43 Resp: 2566

Ion Ratio Lower Upper

43 100

72 0.0 20.1 30.1#



#36

Benzene

Concen: 0.60 ppbv

RT: 7.99 min Scan# 805

Delta R.T. -0.01 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

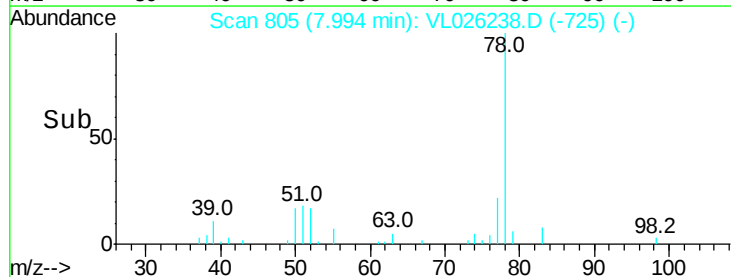
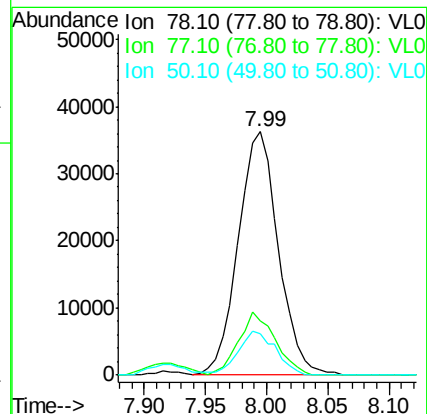
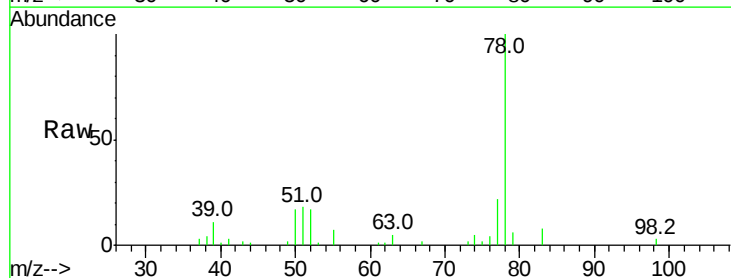
Tgt Ion: 78 Resp: 82673

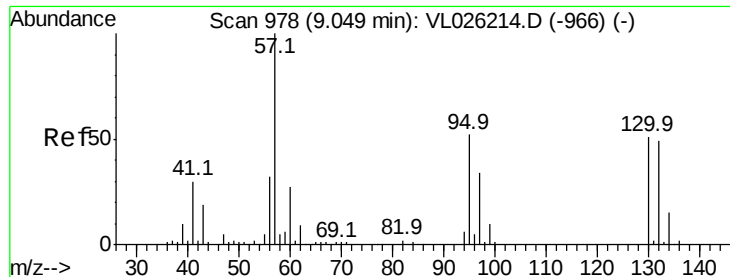
Ion Ratio Lower Upper

78 100

77 22.0 18.1 27.1

50 17.2 13.8 20.8





#38

Trichloroethene

Concen: 0.07 ppbv

RT: 9.03 min Scan# 975

Delta R.T. -0.02 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL2

Tgt Ion:130 Resp: 4527

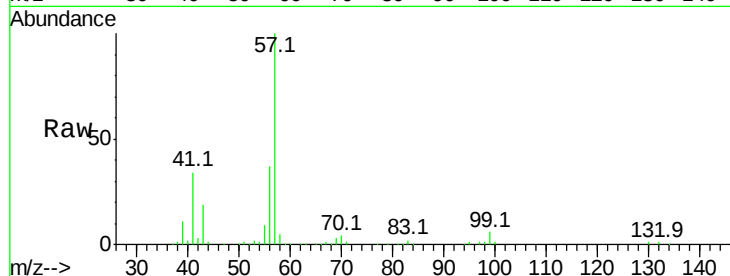
Ion Ratio Lower Upper

130 100

95 98.1 81.0 121.4

132 74.7 76.5 114.7#

97 63.7 52.5 78.7

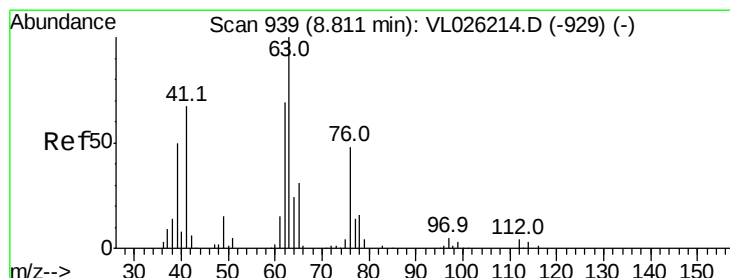
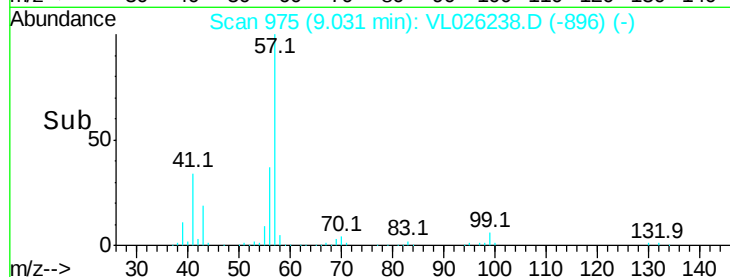
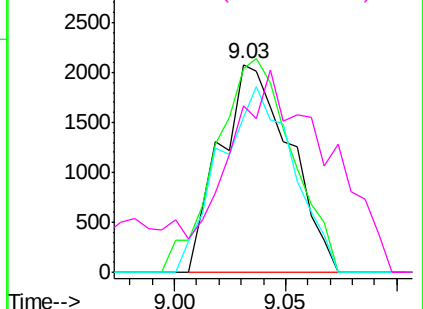


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.03 ppbv

RT: 8.90 min Scan# 954

Delta R.T. 0.09 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

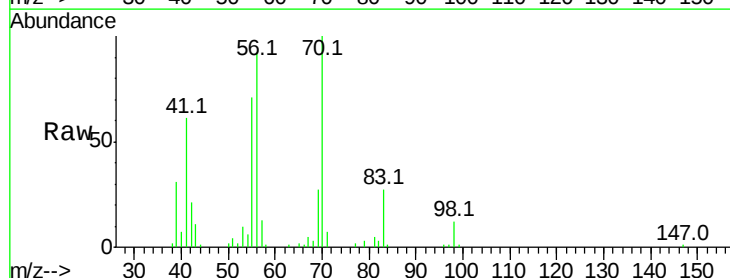
Tgt Ion: 63 Resp: 1394

Ion Ratio Lower Upper

63 100

41 2923.0 53.2 79.8#

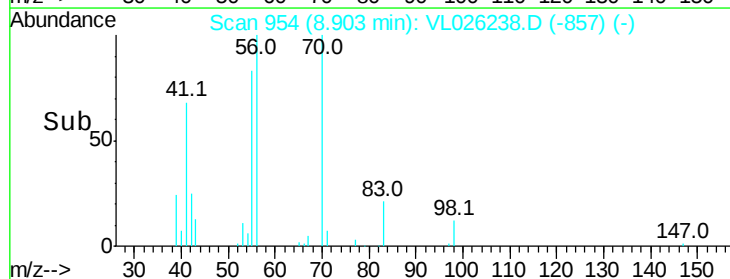
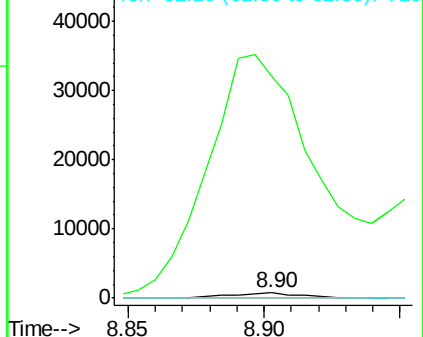
62 0.0 55.4 83.2#

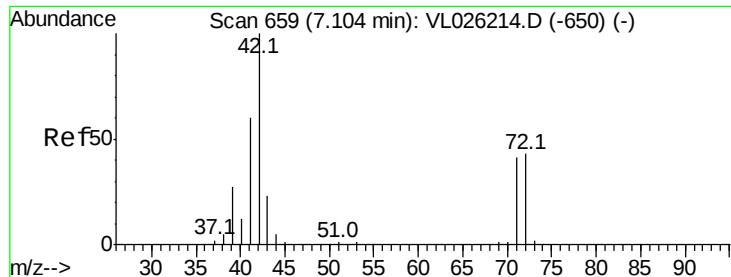


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.09 ppbv

RT: 7.11 min Scan# 660

Delta R.T. 0.01 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL2

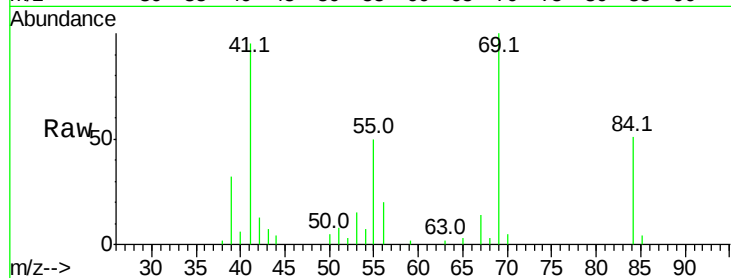
Tgt Ion: 42 Resp: 4044

Ion Ratio Lower Upper

42 100

72 0.0 34.3 51.5#

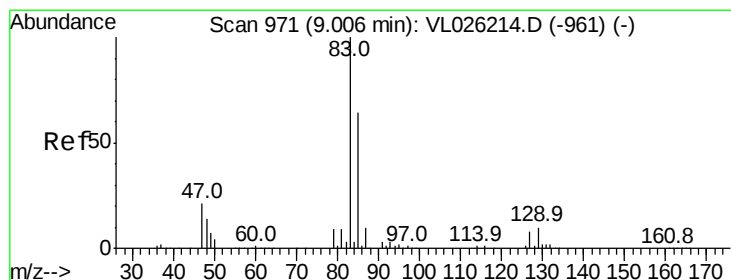
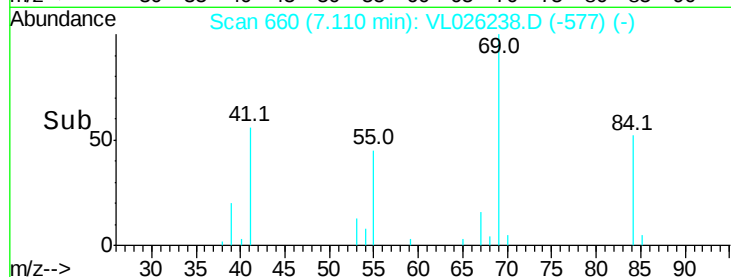
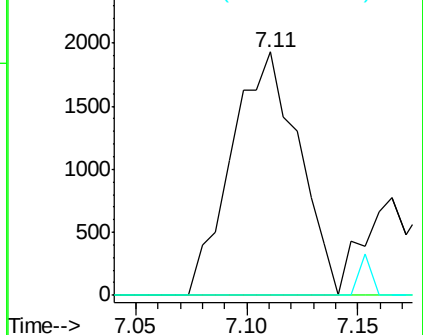
71 0.0 32.1 48.1#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.46 ppbv

RT: 8.98 min Scan# 966

Delta R.T. -0.03 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

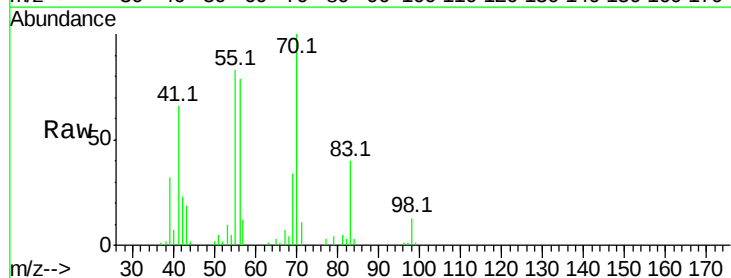
Tgt Ion: 83 Resp: 46912

Ion Ratio Lower Upper

83 100

85 0.0 50.9 76.3#

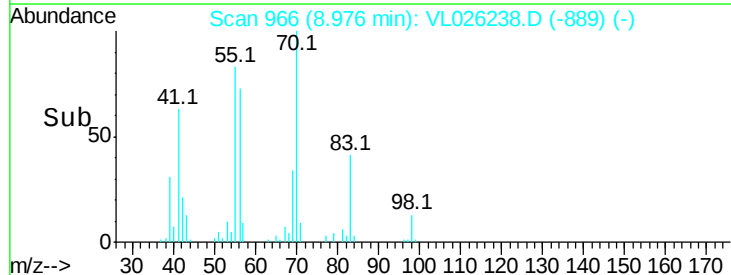
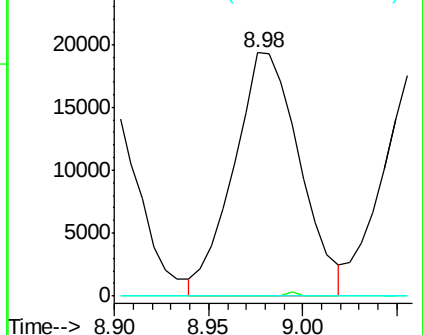
127 0.0 6.2 9.4#

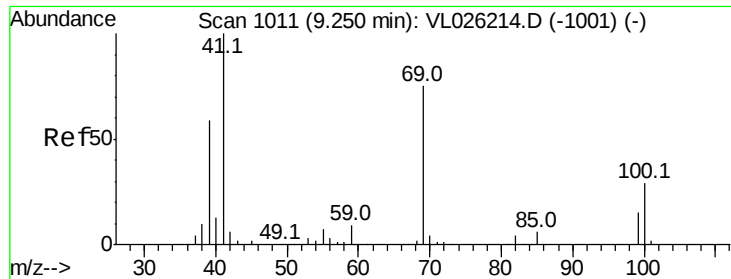


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

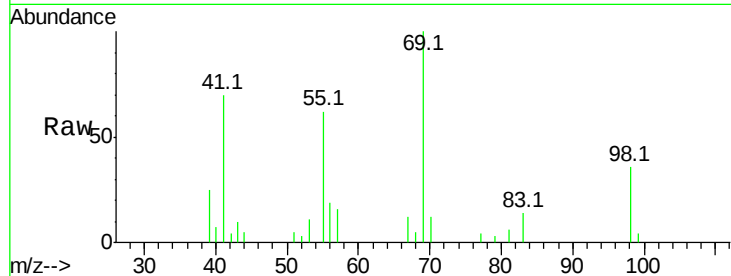




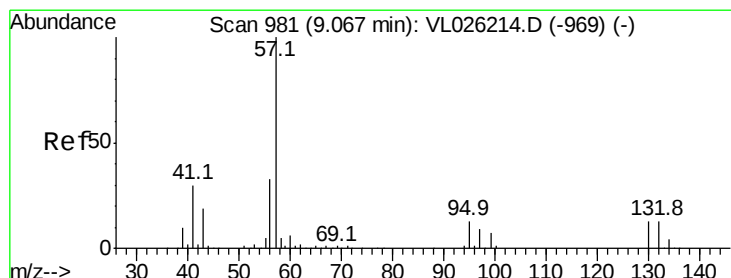
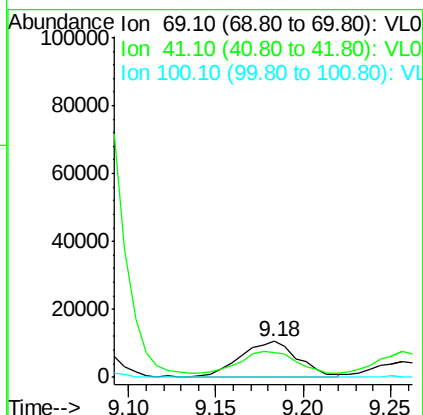
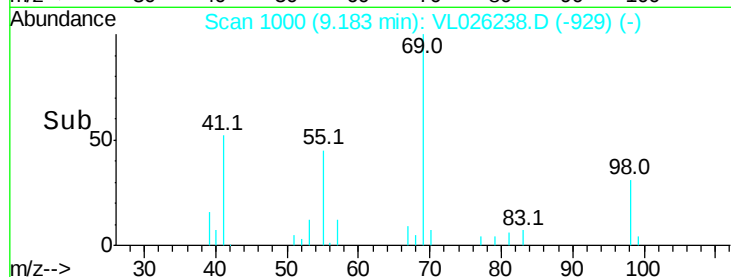
#43
Methyl Methacrylate
Concen: 0.49 ppbv
RT: 9.18 min Scan# 1000
Delta R.T. -0.07 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 69 Resp: 24640
Ion Ratio Lower Upper
69 100
41 0.0 108.4 162.6#
100 0.0 30.6 45.8#

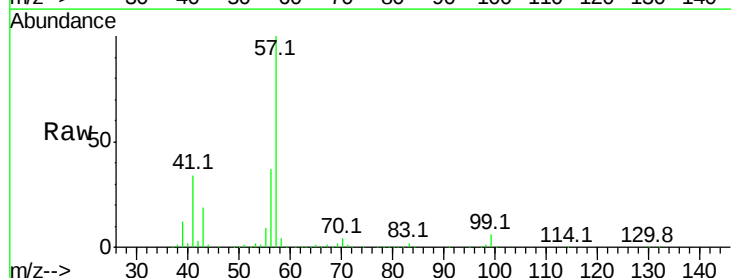


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

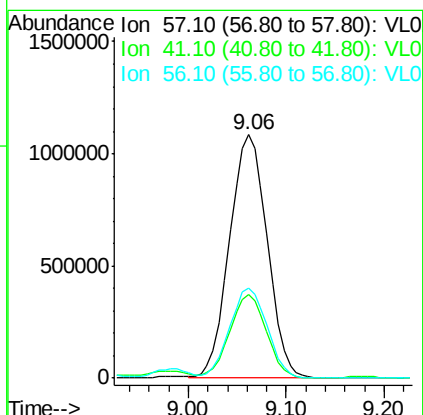
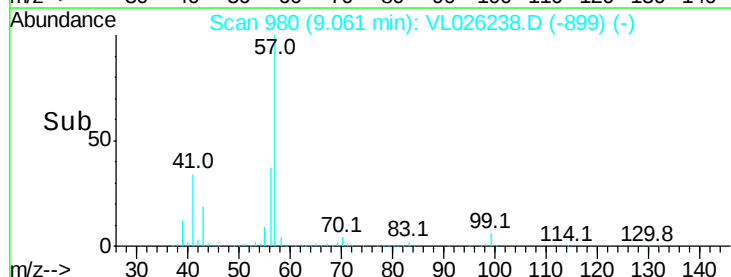


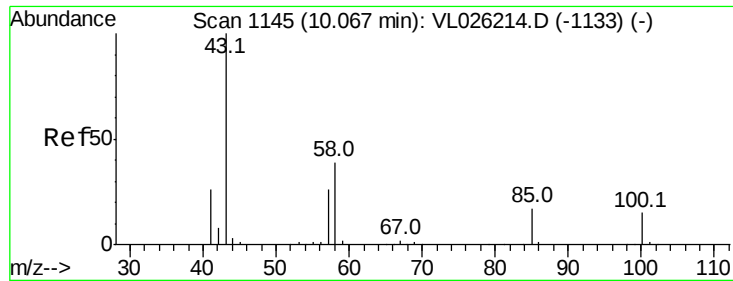
#44
2,2,4-Trimethylpentane
Concen: 13.03 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion: 57 Resp: 2888512
Ion Ratio Lower Upper
57 100
41 36.3 23.7 35.5#
56 40.3 25.9 38.9#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

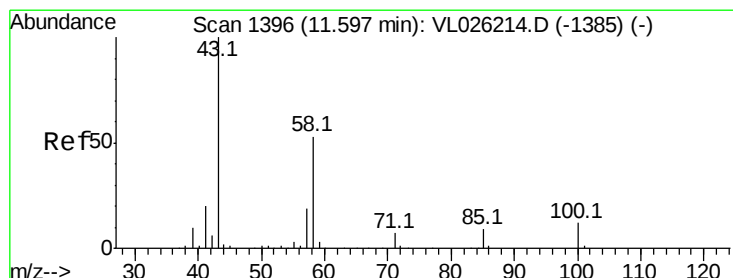
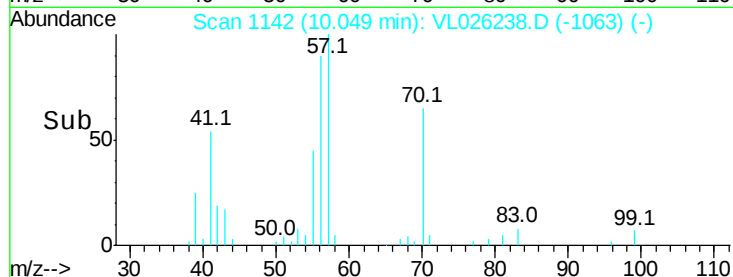
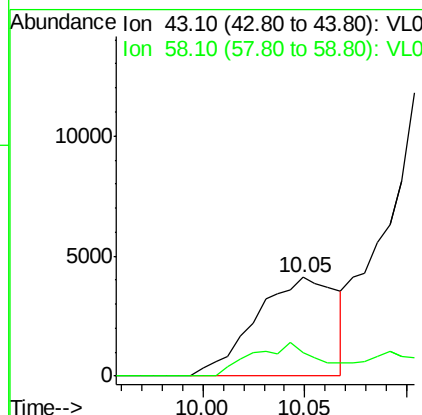
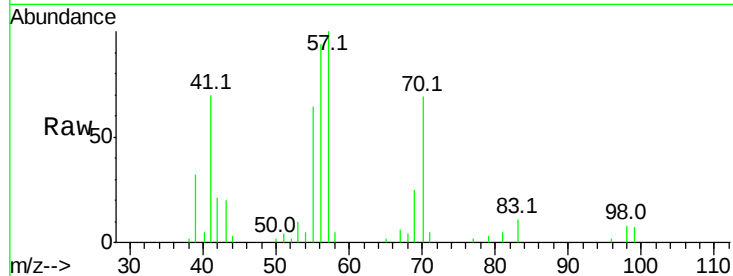




#50
 4-Methyl-2-Pentanone
 Concen: 0.11 ppbv
 RT: 10.05 min Scan# 1142
 Delta R.T. -0.02 min
 Lab File: VL026238.D
 Acq: 21 Oct 2015 15:13

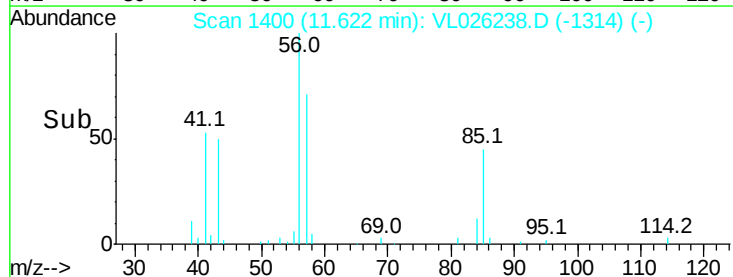
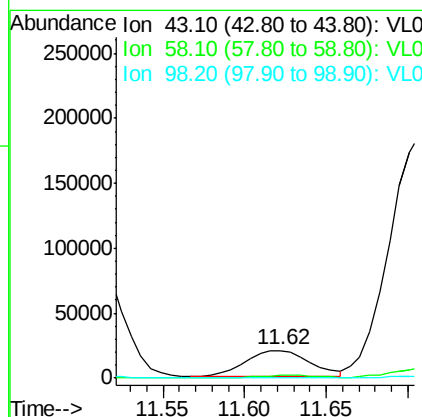
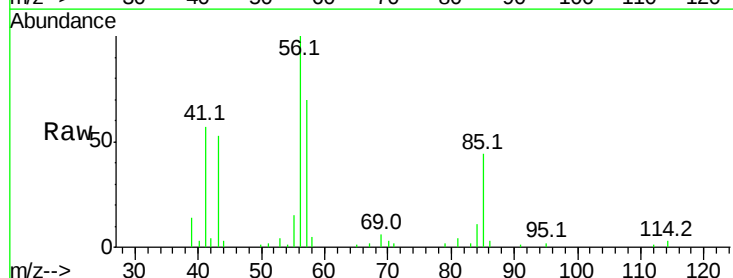
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL2

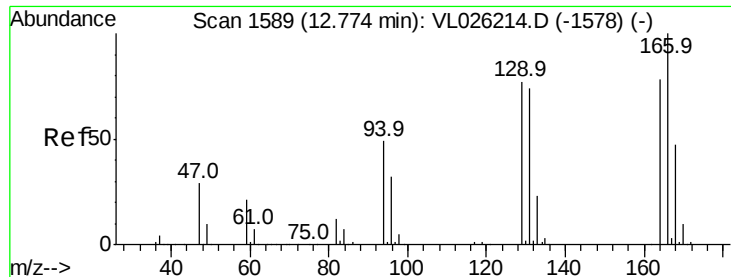
Tgt Ion: 43 Resp: 11377
 Ion Ratio Lower Upper
 43 100
 58 26.7 31.1 46.7#



#51
 2-Hexanone
 Concen: 0.58 ppbv
 RT: 11.62 min Scan# 1400
 Delta R.T. 0.02 min
 Lab File: VL026238.D
 Acq: 21 Oct 2015 15:13

Tgt Ion: 43 Resp: 55588
 Ion Ratio Lower Upper
 43 100
 58 10.8 43.2 64.8#
 98 0.0 0.0 0.0





#52

Tetrachloroethene

Concen: 0.26 ppbv

RT: 12.76 min Scan# 1587

Delta R.T. -0.01 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL2

Tgt Ion:164 Resp: 20674

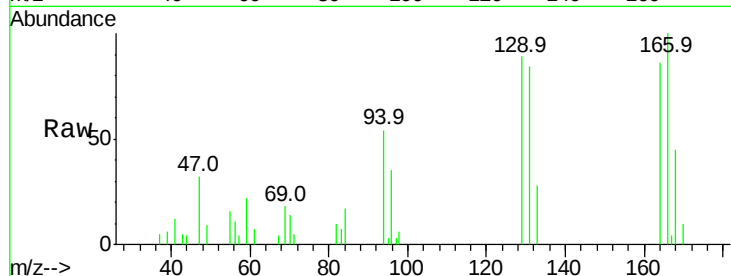
Ion Ratio Lower Upper

164 100

166 116.1 102.3 153.5

129 102.7 78.2 117.4

131 97.3 75.7 113.5

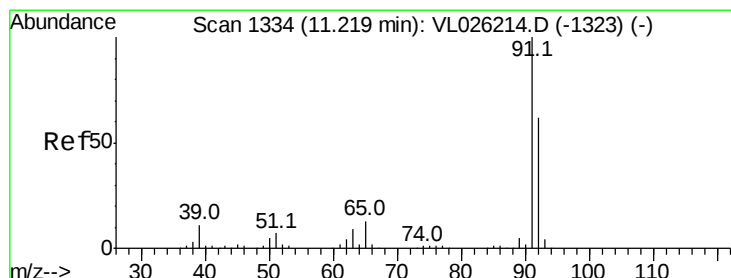
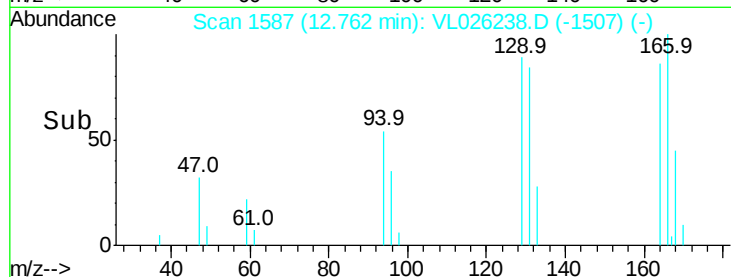
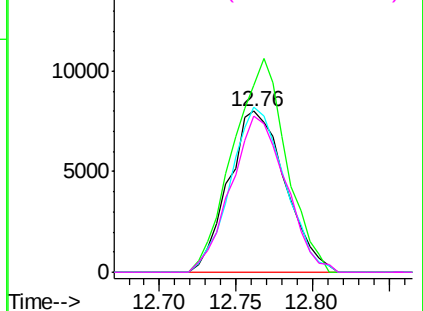


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 13.62 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VL026238.D

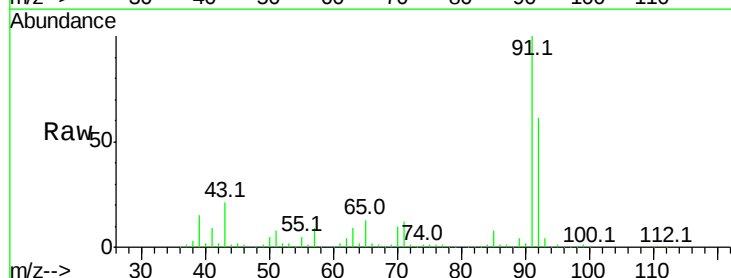
Acq: 21 Oct 2015 15:13

Tgt Ion: 91 Resp: 2537437

Ion Ratio Lower Upper

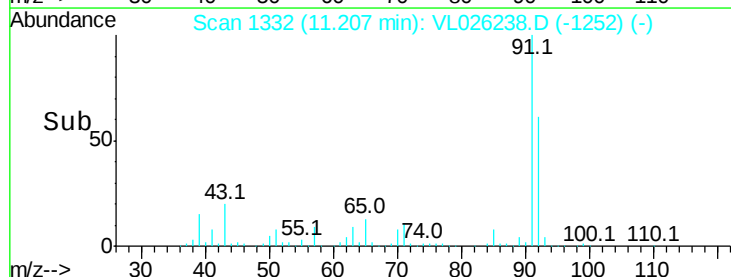
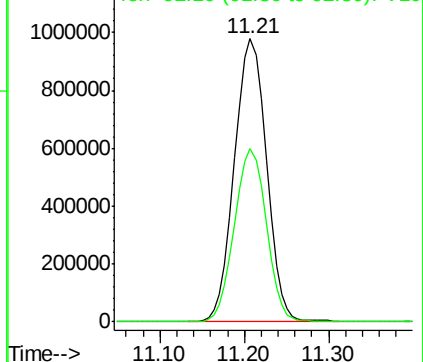
91 100

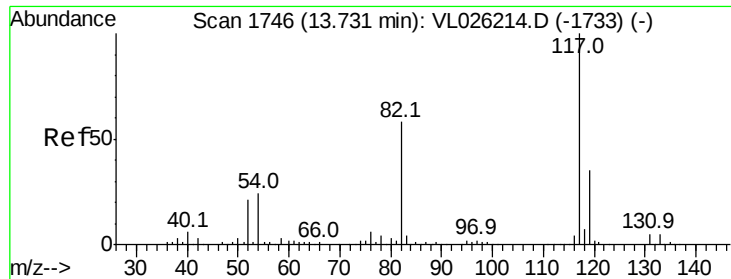
92 61.1 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

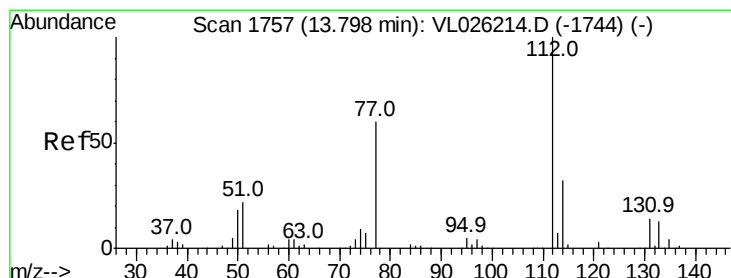
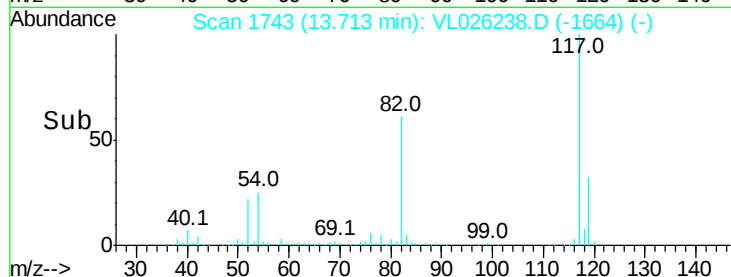
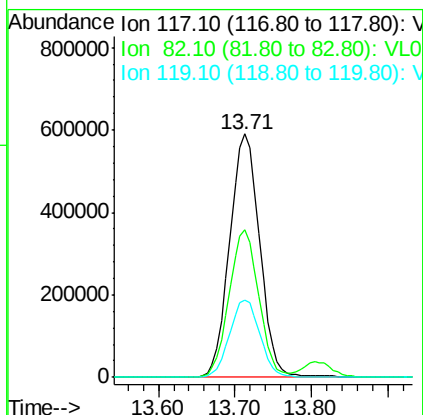
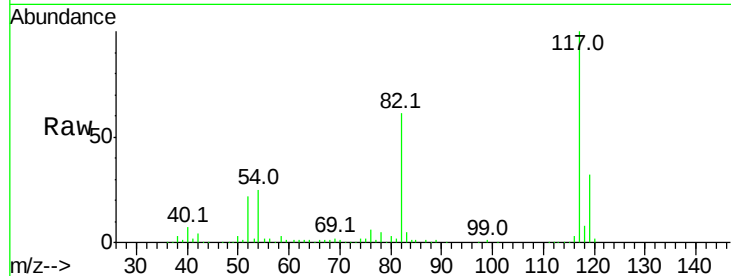




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.02 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

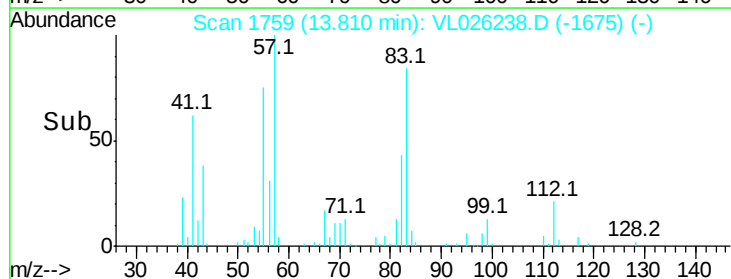
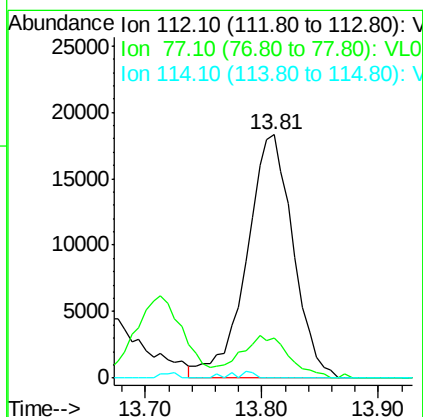
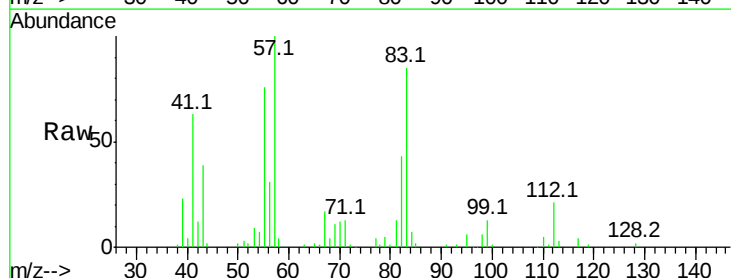
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

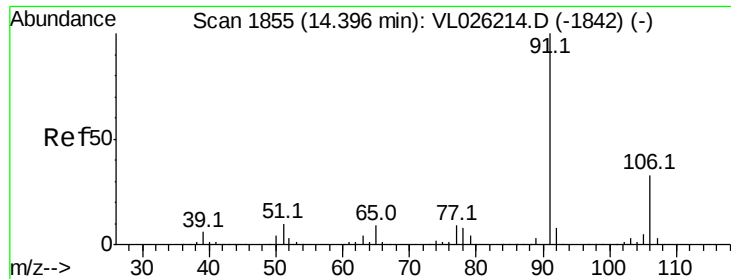
Tgt Ion:117 Resp: 1610687
Ion Ratio Lower Upper
117 100
82 60.2 45.8 68.8
119 32.4 45.0 67.4#



#57
Chlorobenzene
Concen: 0.33 ppbv
RT: 13.81 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion:112 Resp: 50741
Ion Ratio Lower Upper
112 100
77 16.3 48.4 72.6#
114 0.0 29.0 35.4#





#58

Ethyl Benzene

Concen: 1.96 ppbv

RT: 14.38 min Scan# 1852

Delta R.T. -0.02 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

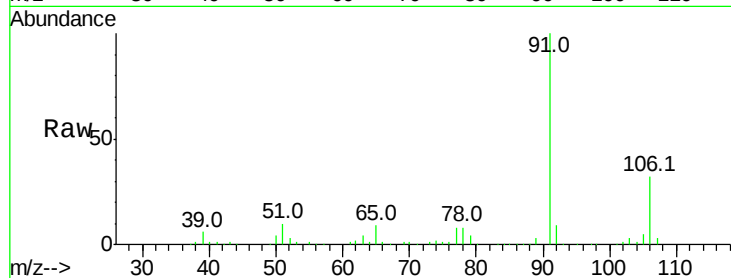
SS-1DL2

Tgt Ion: 91 Resp: 512035

Ion Ratio Lower Upper

91 100

106 31.8 26.1 39.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

200000

150000

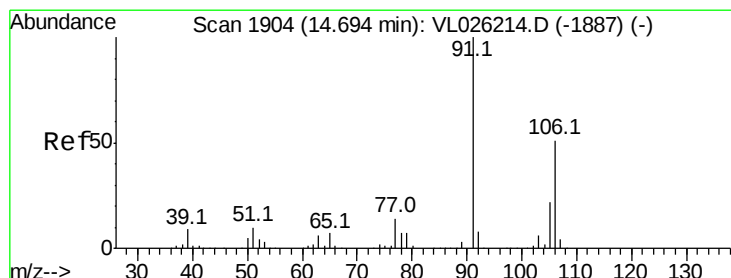
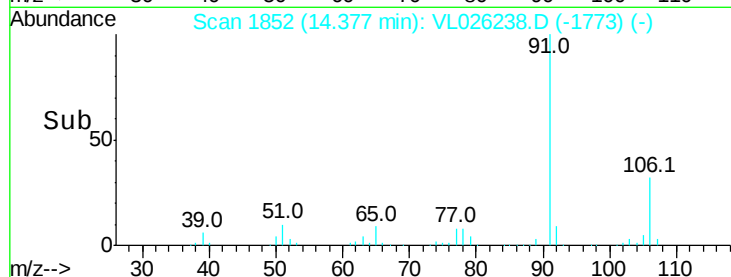
100000

50000

0

14.30 14.40 14.50

Time-->



#59

m/p-Xylene

Concen: 7.12 ppbv

RT: 14.66 min Scan# 1898

Delta R.T. -0.04 min

Lab File: VL026238.D

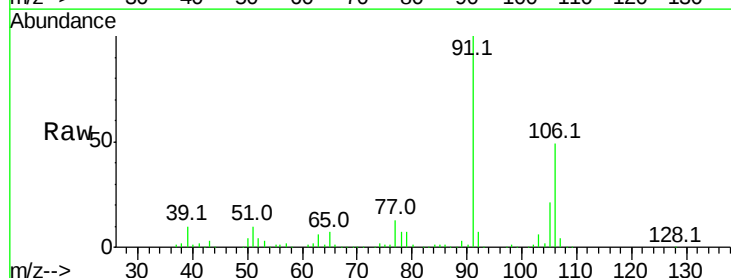
Acq: 21 Oct 2015 15:13

Tgt Ion: 91 Resp: 1454500

Ion Ratio Lower Upper

91 100

106 50.2 40.6 61.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

500000

400000

300000

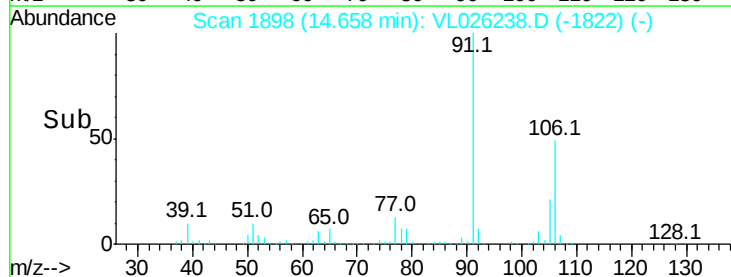
200000

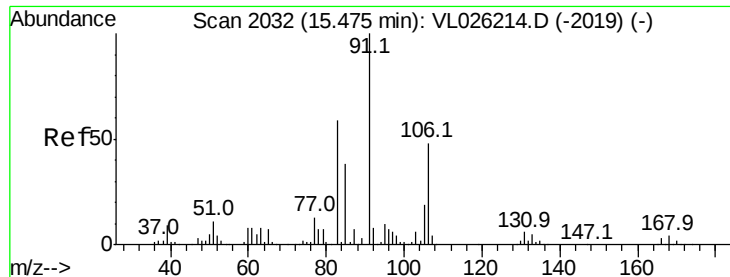
100000

0

14.50 14.60 14.70 14.80

Time-->

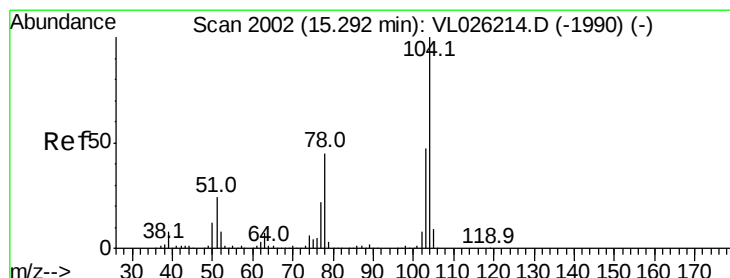
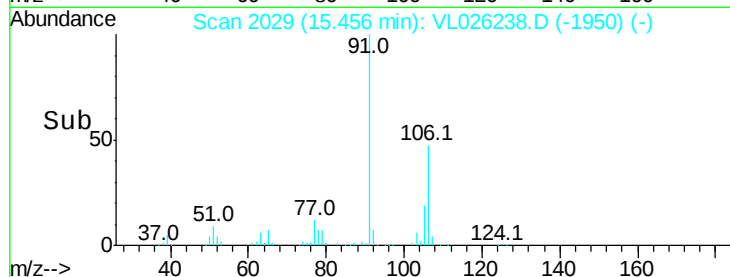
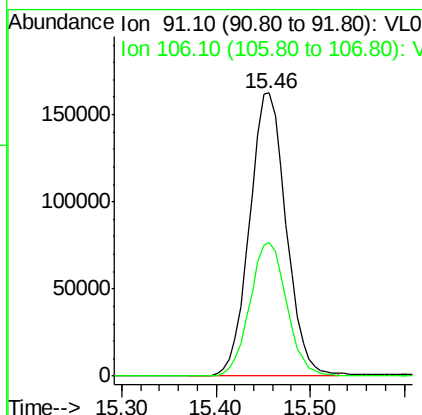
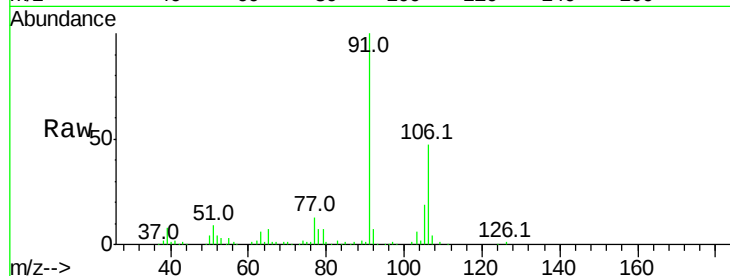




#60
o-Xylene
Concen: 2.07 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.02 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

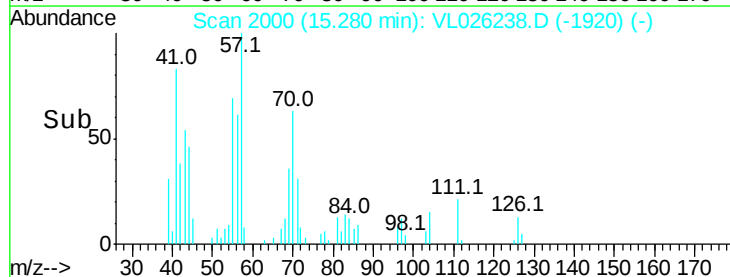
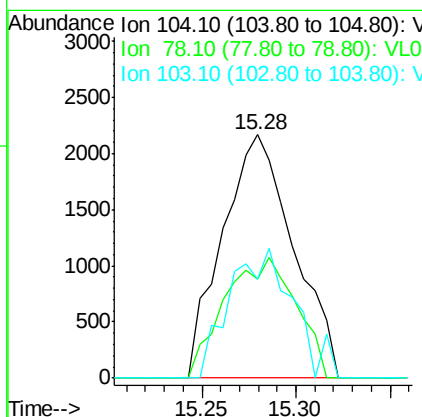
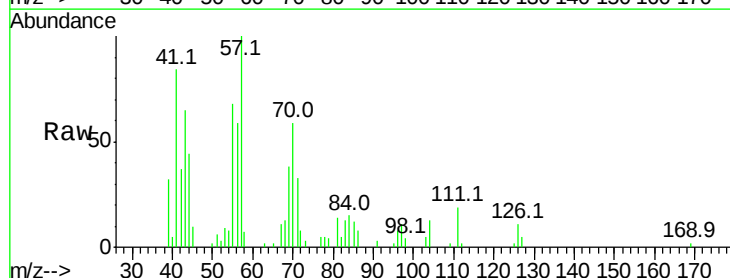
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

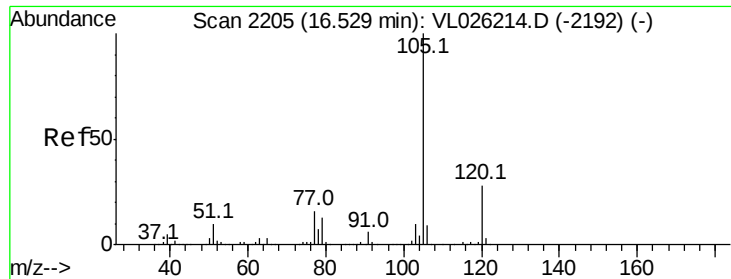
Tgt Ion: 91 Resp: 441573
Ion Ratio Lower Upper
91 100
106 47.7 23.8 71.5



#61
Styrene
Concen: 0.06 ppbv
RT: 15.28 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion: 104 Resp: 5657
Ion Ratio Lower Upper
104 100
78 49.9 35.3 52.9
103 47.9 37.0 55.4





#62

Isopropylbenzene

Concen: 0.12 ppbv

RT: 16.50 min Scan# 2201

Delta R.T. -0.02 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

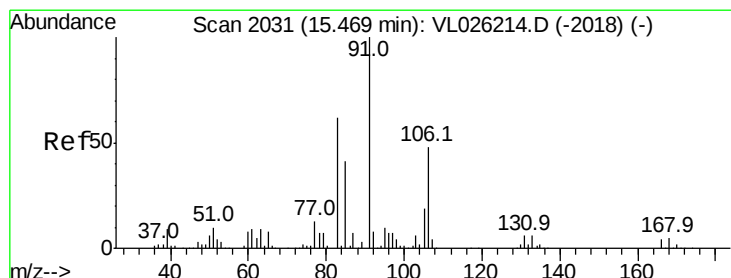
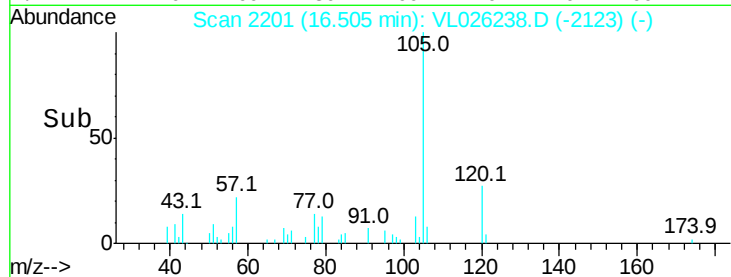
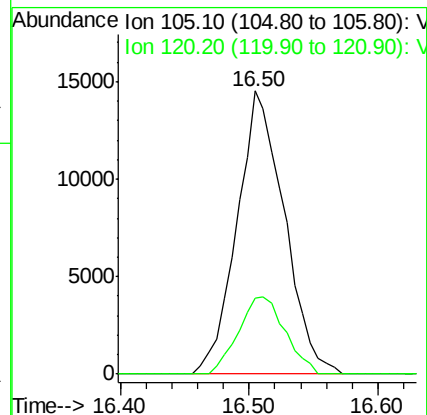
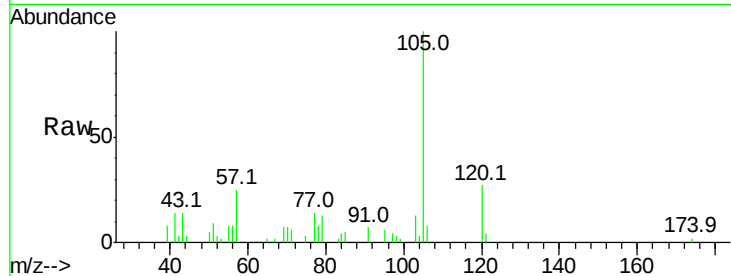
SS-1DL2

Tgt Ion: 105 Resp: 36944

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.8



#63

1,1,2,2-Tetrachloroethane

Concen: 0.03 ppbv

RT: 15.44 min Scan# 2027

Delta R.T. -0.02 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

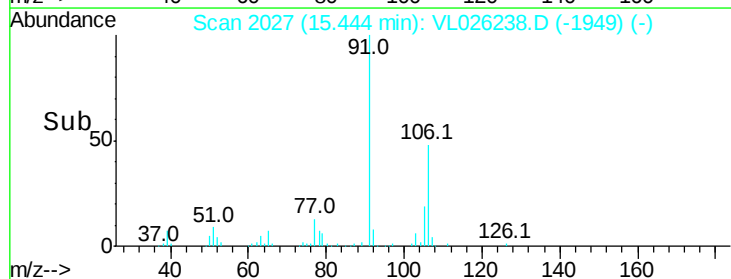
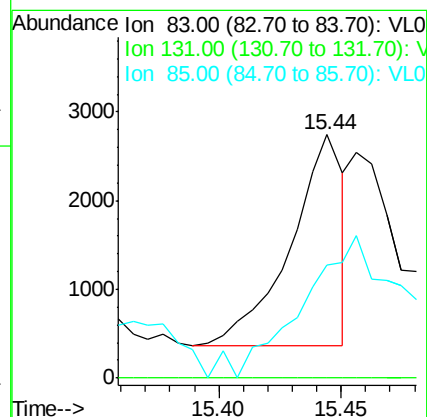
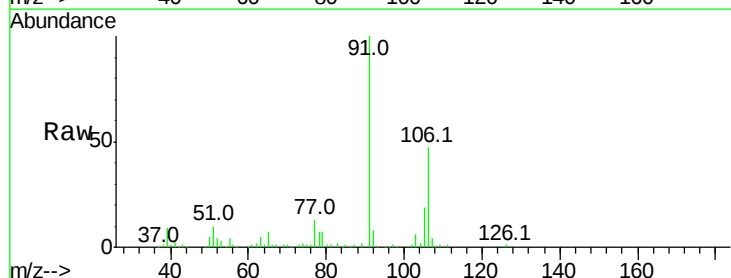
Tgt Ion: 83 Resp: 3620

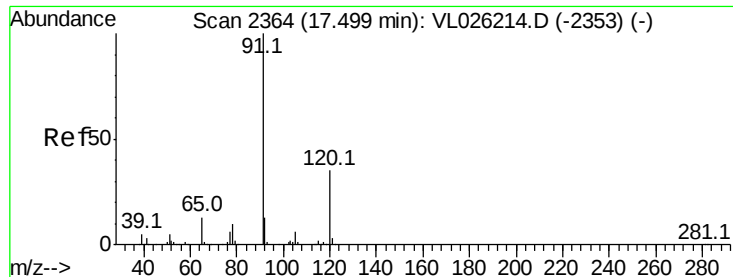
Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 32.3 96.9#





#64

n-propylbenzene

Concen: 0.16 ppbv

RT: 17.49 min Scan# 2362

Delta R.T. -0.01 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

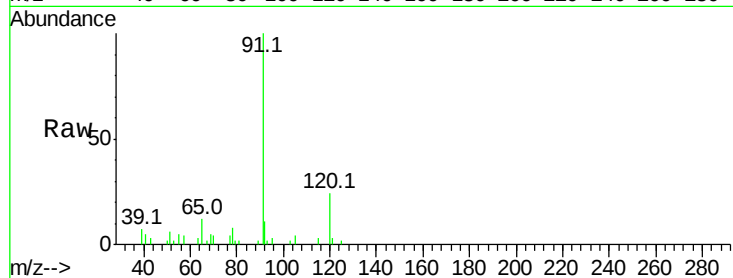
SS-1DL2

Tgt Ion:120 Resp: 13030

Ion Ratio Lower Upper

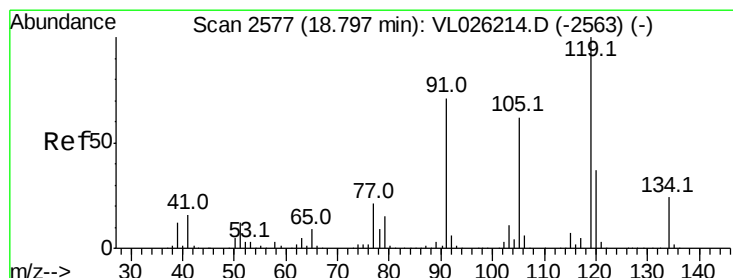
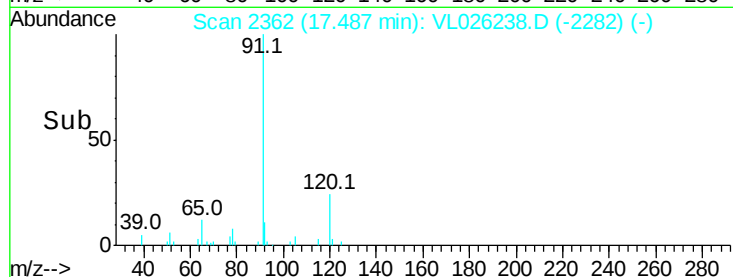
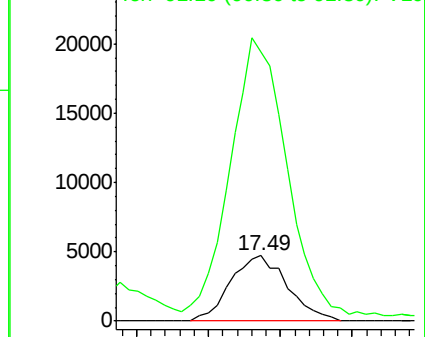
120 100

91 446.5 331.7 497.5



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.05 ppbv

RT: 18.79 min Scan# 2576

Delta R.T. -0.01 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

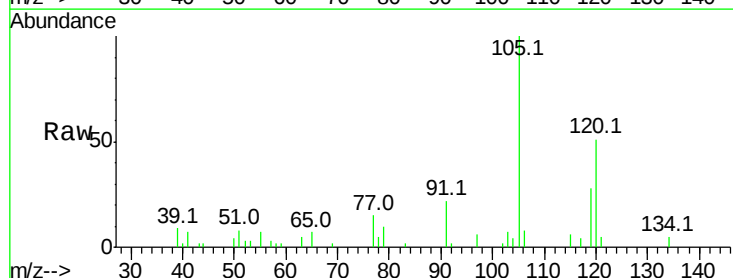
Tgt Ion:119 Resp: 14727

Ion Ratio Lower Upper

119 100

91 84.7 57.5 86.3

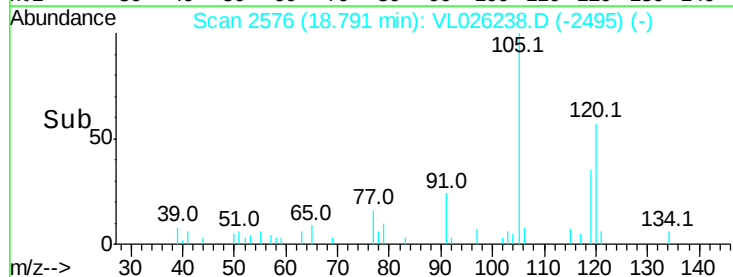
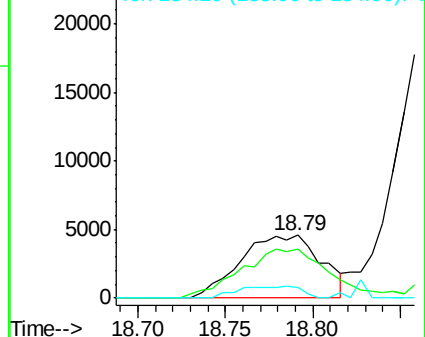
134 15.4 18.1 27.1#

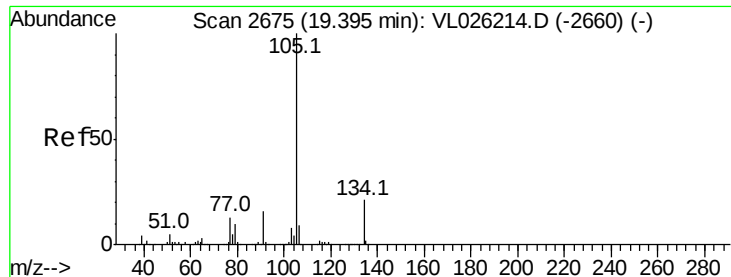


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 0.04 ppbv

RT: 19.37 min Scan# 2671

Delta R.T. -0.02 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

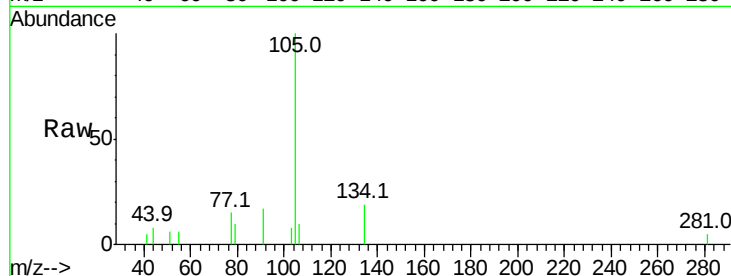
SS-1DL2

Tgt Ion: 105 Resp: 16760

Ion Ratio Lower Upper

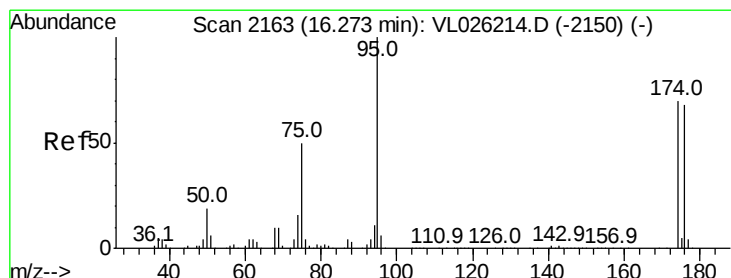
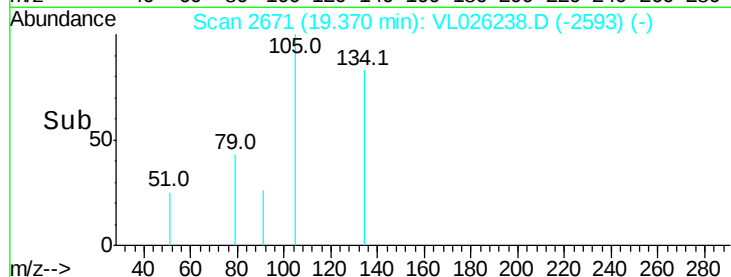
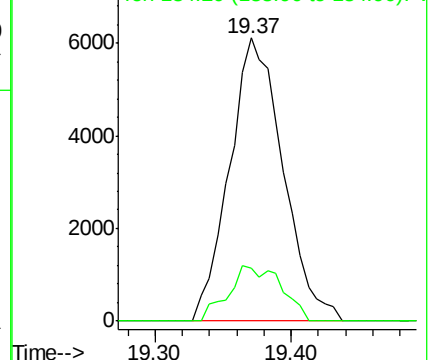
105 100

134 19.3 16.2 24.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.75 ppbv

RT: 16.25 min Scan# 2159

Delta R.T. -0.02 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

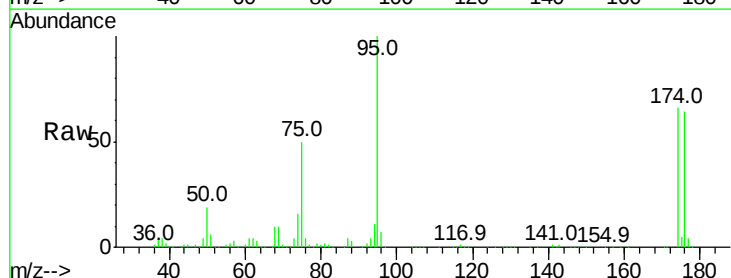
Tgt Ion: 95 Resp: 1335012

Ion Ratio Lower Upper

95 100

174 68.2 55.8 83.8

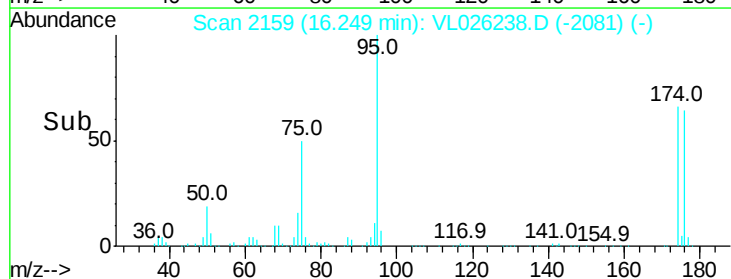
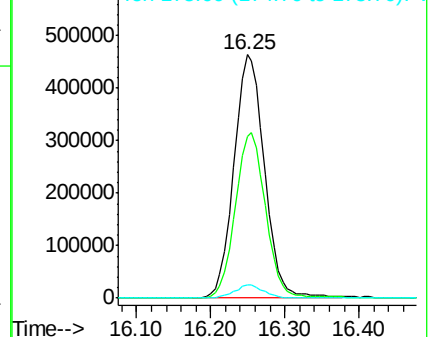
175 5.2 4.3 6.5

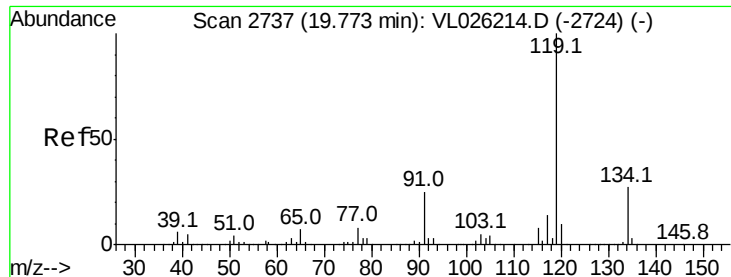


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

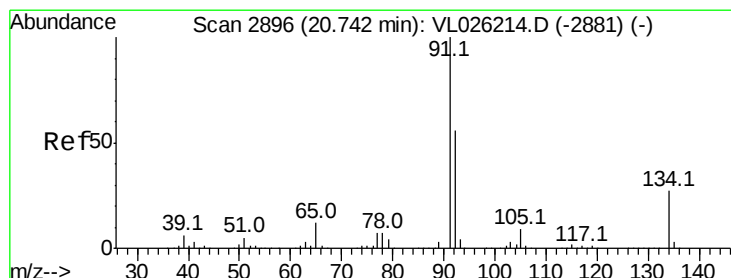
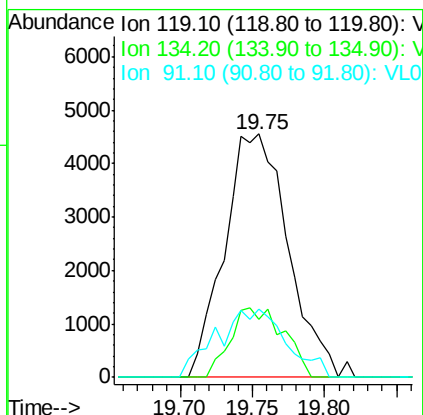
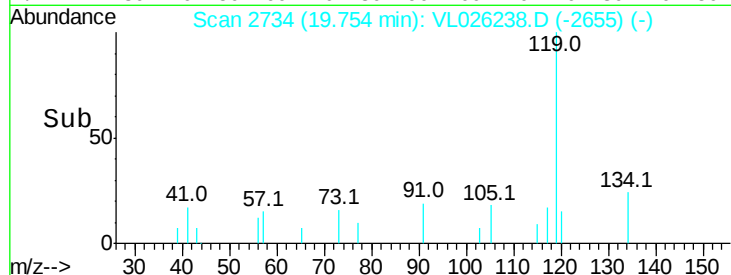
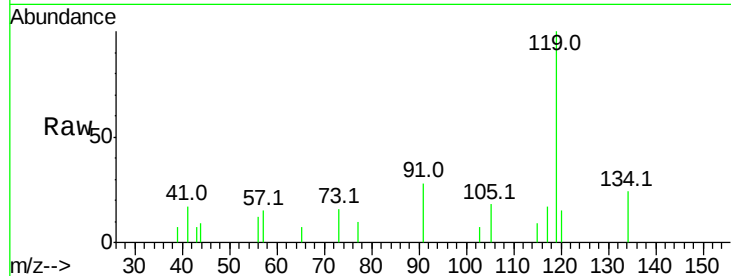




#69
p-Isopropyltoluene
Concen: 0.04 ppbv
RT: 19.75 min Scan# 2734
Delta R.T. -0.02 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

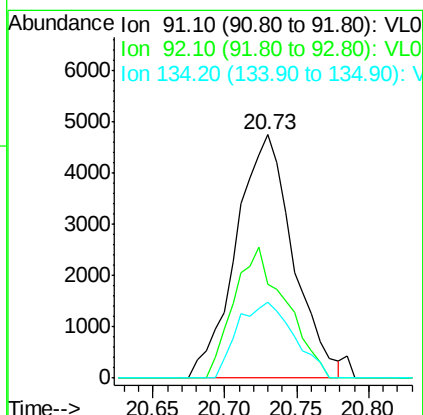
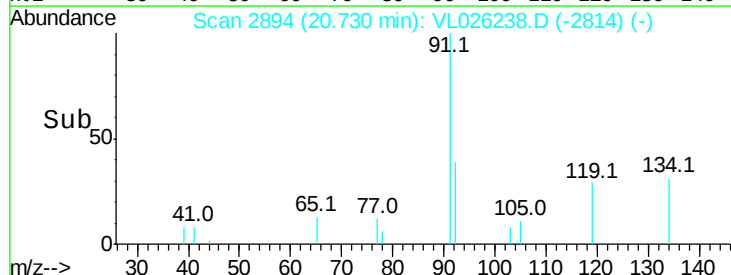
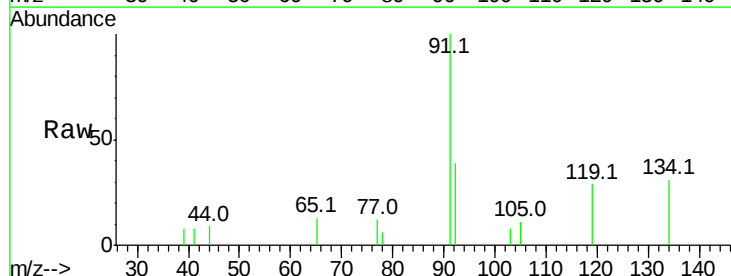
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

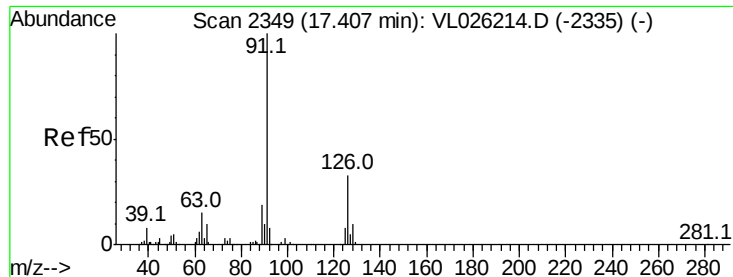
Tgt Ion: 119 Resp: 13946
Ion Ratio Lower Upper
119 100
134 24.0 21.4 32.0
91 30.7 19.5 29.3#



#70
n-Butylbenzene
Concen: 0.05 ppbv
RT: 20.73 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL026238.D
Acq: 21 Oct 2015 15:13

Tgt Ion: 91 Resp: 13041
Ion Ratio Lower Upper
91 100
92 49.4 45.0 67.6
134 30.6 21.4 32.0

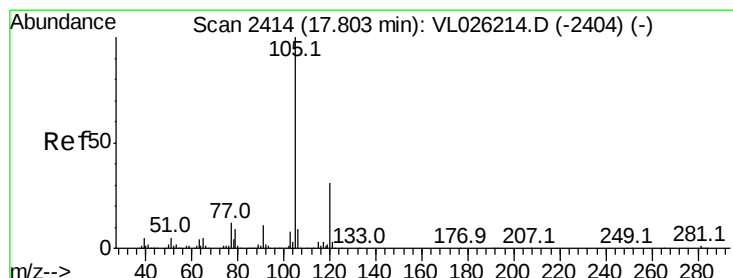
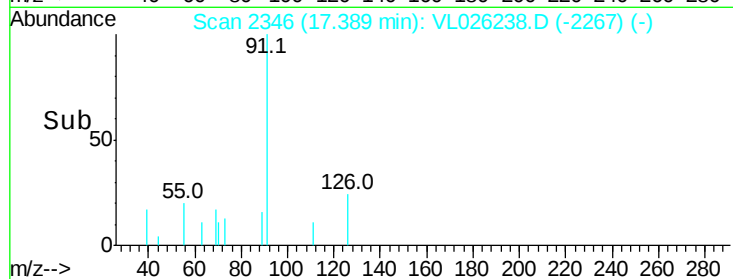
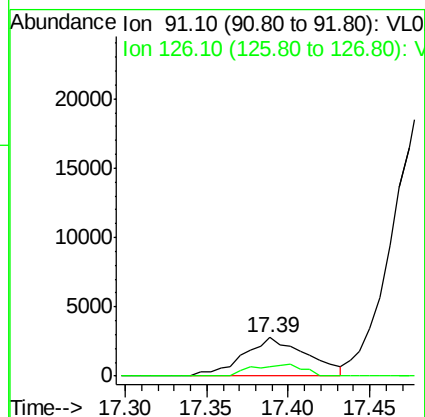
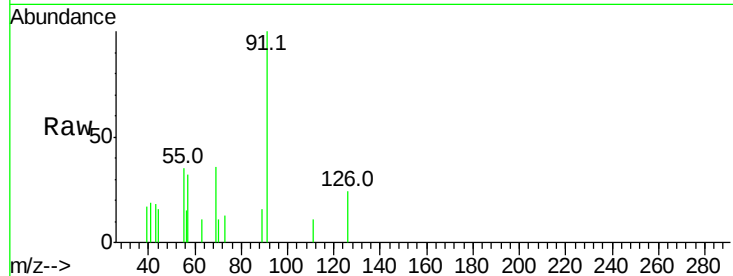




#71
 2-Chlorotoluene
 Concen: 0.03 ppbv
 RT: 17.39 min Scan# 2346
 Delta R.T. -0.02 min
 Lab File: VL026238.D
 Acq: 21 Oct 2015 15:13

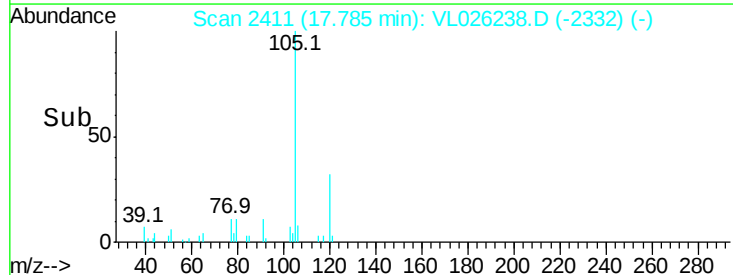
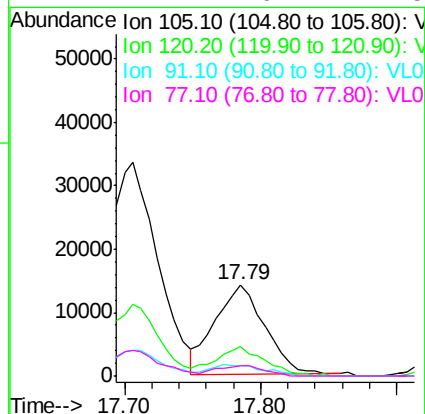
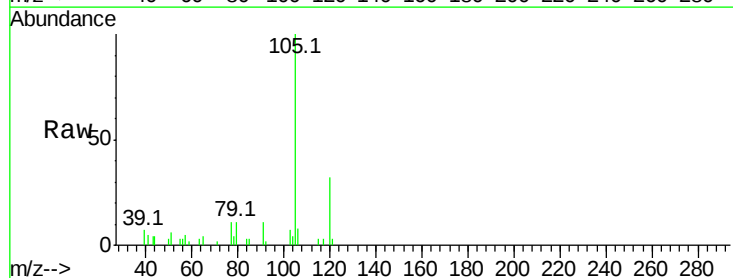
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL2

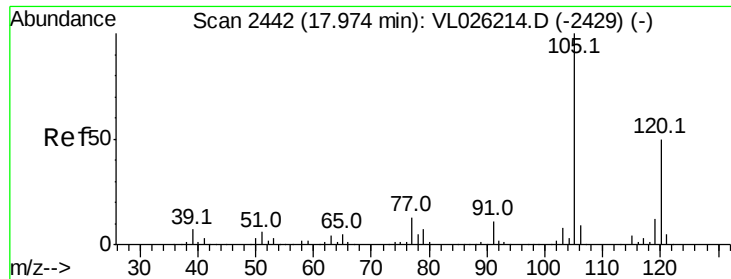
Tgt Ion: 91 Resp: 7581
 Ion Ratio Lower Upper
 91 100
 126 24.4 12.9 51.7



#72
 4-Ethyltoluene
 Concen: 0.15 ppbv
 RT: 17.79 min Scan# 2411
 Delta R.T. -0.02 min
 Lab File: VL026238.D
 Acq: 21 Oct 2015 15:13

Tgt Ion: 105 Resp: 36253
 Ion Ratio Lower Upper
 105 100
 120 30.9 25.2 37.8
 91 12.8 9.0 13.6
 77 11.2 9.7 14.5

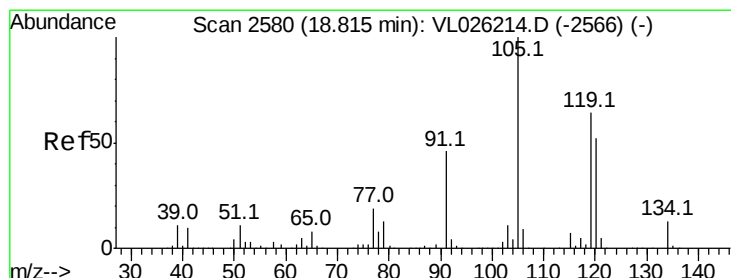
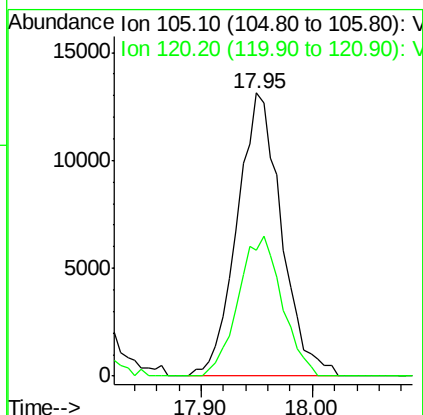
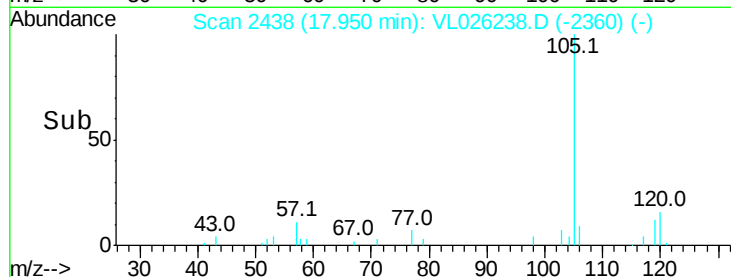
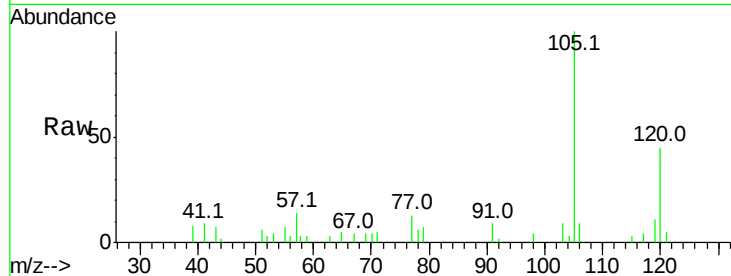




#73
 1,3,5-Trimethylbenzene
 Concen: 0.16 ppbv
 RT: 17.95 min Scan# 2438
 Delta R.T. -0.02 min
 Lab File: VL026238.D
 Acq: 21 Oct 2015 15:13

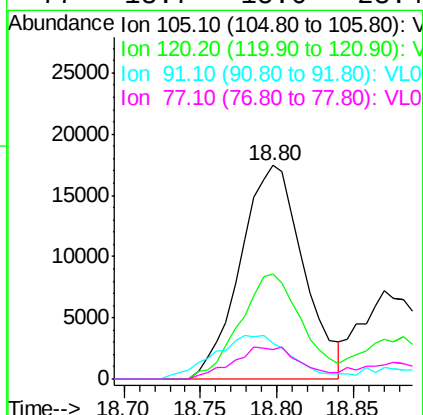
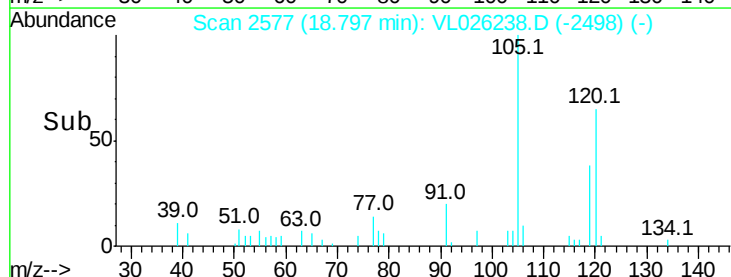
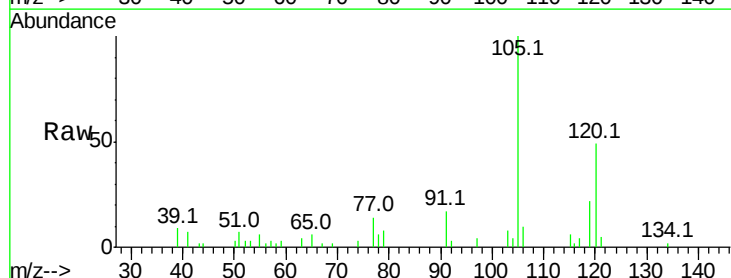
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL2

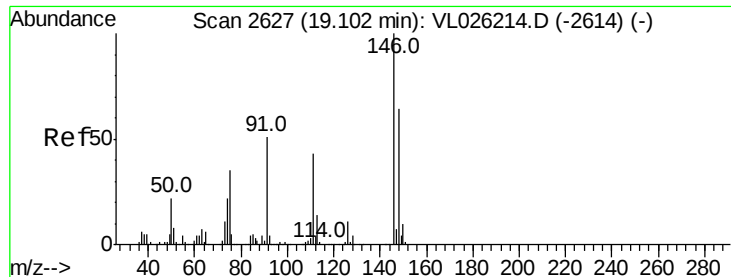
Tgt Ion:105 Resp: 36343
 Ion Ratio Lower Upper
 105 100
 120 44.5 39.8 59.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.21 ppbv
 RT: 18.80 min Scan# 2577
 Delta R.T. -0.02 min
 Lab File: VL026238.D
 Acq: 21 Oct 2015 15:13

Tgt Ion:105 Resp: 49937
 Ion Ratio Lower Upper
 105 100
 120 48.9 41.2 61.8
 91 14.5 37.2 55.8#
 77 13.7 15.6 23.4#

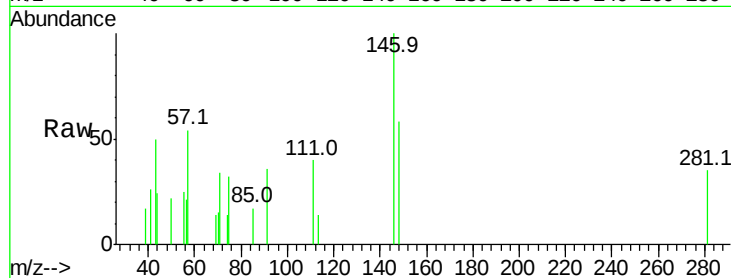




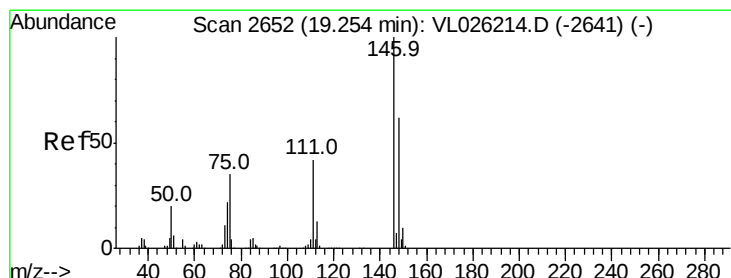
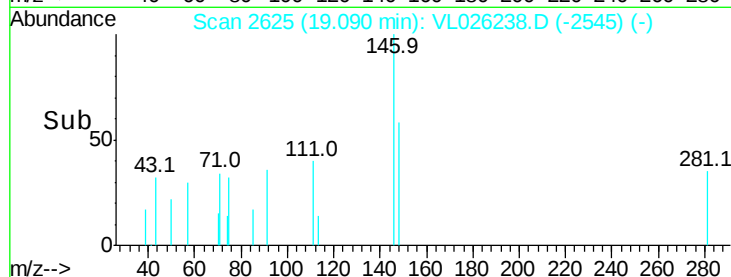
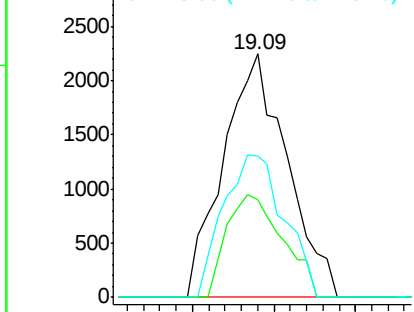
#75
 1,3-Dichlorobenzene
 Concen: 0.04 ppbv
 RT: 19.09 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: VL026238.D
 Acq: 21 Oct 2015 15:13

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL2

Tgt Ion:146 Resp: 6108
 Ion Ratio Lower Upper
 146 100
 111 37.3 21.6 64.8
 148 56.0 31.8 95.4

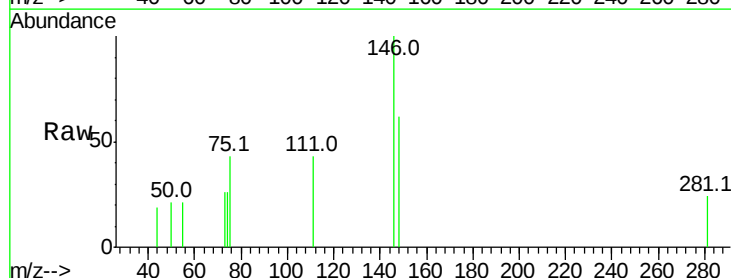


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

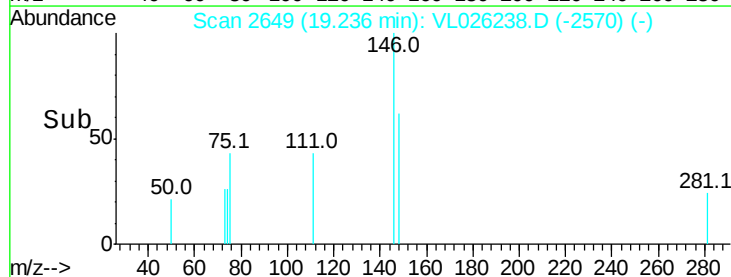
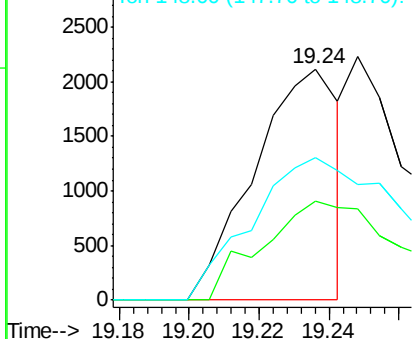


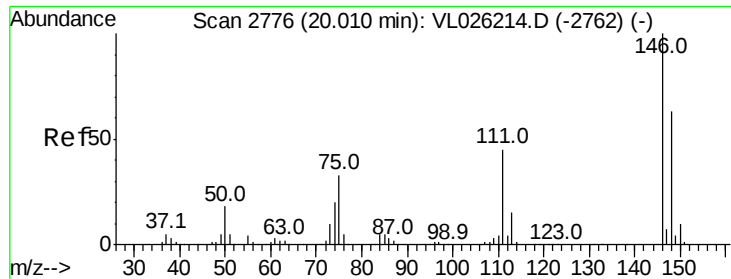
#76
 1,4-Dichlorobenzene
 Concen: 0.02 ppbv
 RT: 19.24 min Scan# 2649
 Delta R.T. -0.02 min
 Lab File: VL026238.D
 Acq: 21 Oct 2015 15:13

Tgt Ion:146 Resp: 3584
 Ion Ratio Lower Upper
 146 100
 111 63.8 20.8 62.2#
 148 109.2 31.9 95.9#



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.04 ppbv

RT: 19.99 min Scan# 2773

Delta R.T. -0.02 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL2

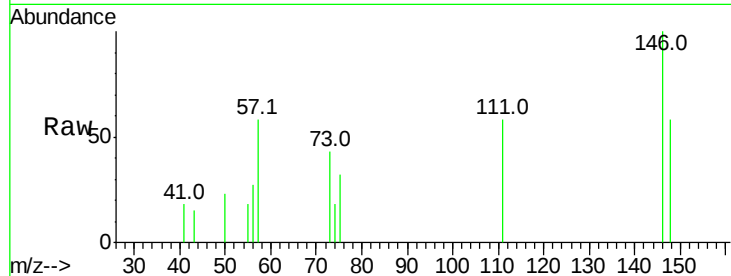
Tgt Ion:146 Resp: 6300

Ion Ratio Lower Upper

146 100

111 44.1 22.6 67.7

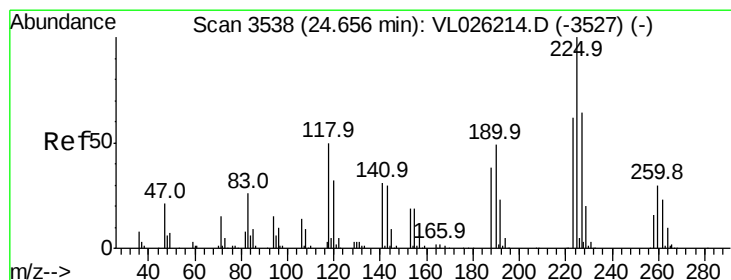
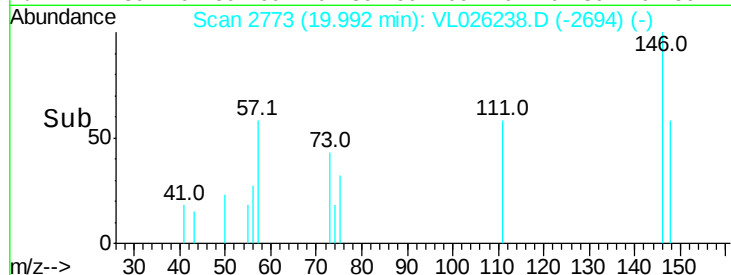
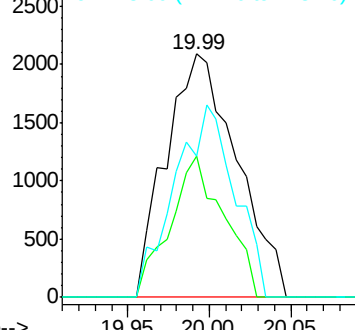
148 66.9 31.6 95.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.04 ppbv

RT: 24.64 min Scan# 3536

Delta R.T. -0.01 min

Lab File: VL026238.D

Acq: 21 Oct 2015 15:13

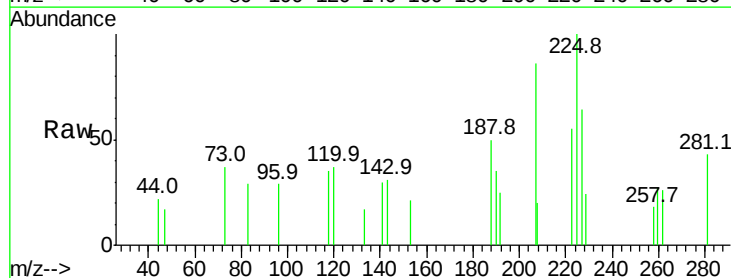
Tgt Ion:225 Resp: 3621

Ion Ratio Lower Upper

225 100

223 54.9 50.2 75.2

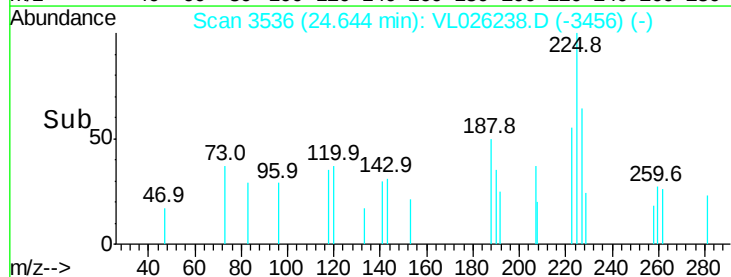
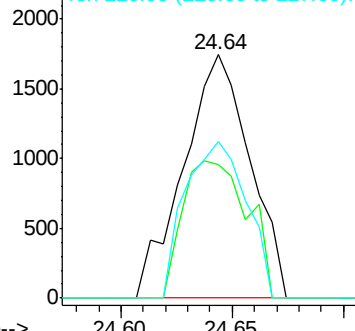
227 59.0 50.8 76.2

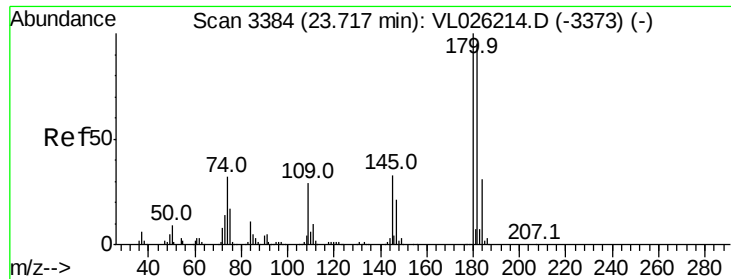


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#81

1,2,4-Trichlorobenzene

Concen: 0.04 ppbv

RT: 23.71 min Scan# 3383

Delta R.T. -0.01 min

Lab File: VL026238.D

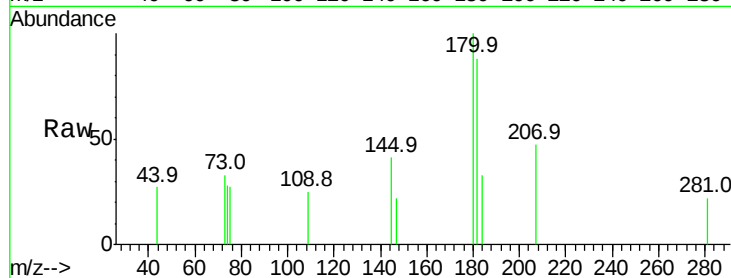
Acq: 21 Oct 2015 15:13

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL2



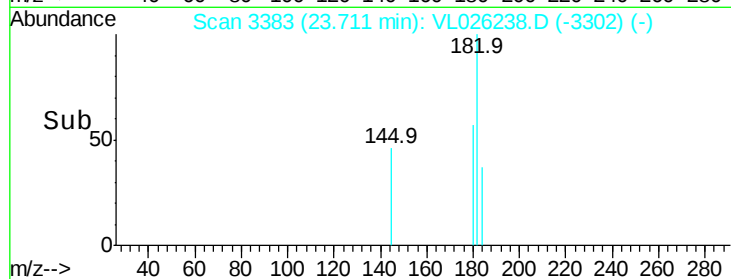
Tgt Ion:180 Resp: 3856

Ion Ratio Lower Upper

180 100

182 85.5 76.7 115.1

184 19.5 24.2 36.2#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

