

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026275.D
 Acq On : 29 Oct 2015 21:47
 Operator : SY/AP
 Sample : G4169-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 29 23:03:13 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 14:29:54 2015
 QLast Update : Thu Oct 29 14:29:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	573966	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.35	114	1591774	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.77	117	1795565	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.32	95	1381407	10.14	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.65	85	19893	0.16	ppbv	97
3) Chlorodifluoromethane	3.57	51	231277	3.20	ppbv	98
4) Chloromethane	3.76	50	15402	0.37	ppbv	96
5) Vinyl Chloride	3.61	62	676	0.01	ppbv #	44
8) Dichlorotetrafluoroethane	3.81	85	1719	0.02	ppbv #	66
9) Propene	3.61	41	25960	0.75	ppbv #	77
10) Heptane	9.38	43	6520	0.06	ppbv	89
11) Trichlorofluoromethane	4.71	101	20489	0.18	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	5.32	101	3770	0.05	ppbv	100
13) Ethanol	4.34	45	10135	1.95	ppbv	90
15) Acetone	4.62	43	164581	2.17	ppbv	94
16) 1,3-Butadiene	4.01	39	13239	0.35	ppbv #	20
17) tert-Butyl alcohol	5.15	59	3324	0.06	ppbv #	1
19) Isopropyl Alcohol	4.78	45	9743	0.30	ppbv #	24
20) Methylene Chloride	5.17	84	26385	0.80	ppbv	99
23) Vinyl Acetate	6.02	43	19717	0.13	ppbv #	53
25) Ethyl Acetate	6.67	43	12498	0.08	ppbv #	82
26) Hexane	6.68	57	12385	0.16	ppbv #	60
29) Chloroform	6.76	83	2650	0.02	ppbv	88
30) Cyclohexane	8.30	84	1816	0.02	ppbv #	1
34) 2-Butanone	6.23	43	17198	0.18	ppbv	98
35) Carbon Tetrachloride	8.18	117	5792	0.05	ppbv	97
36) Benzene	8.04	78	29790	0.18	ppbv	97
44) 2,2,4-Trimethylpentane	9.11	57	25481	0.09	ppbv #	82
52) Tetrachloroethene	12.83	164	998	0.01	ppbv #	69
53) Toluene	11.26	91	70294	0.32	ppbv	99
58) Ethyl Benzene	14.44	91	17190	0.06	ppbv	96
59) m/p-Xylene	14.72	91	41391	0.18	ppbv #	100
60) o-Xylene	15.52	91	20045	0.08	ppbv	99
61) Styrene	15.34	104	5004	0.05	ppbv #	85
66) Benzyl Chloride	18.87	91	1496	0.02	ppbv #	1
69) p-Isopropyltoluene	19.82	119	5661	0.02	ppbv #	85
70) n-Butylbenzene	20.78	91	3630	0.01	ppbv #	61
71) 2-Chlorotoluene	17.55	91	9263	0.04	ppbv #	43
72) 4-Ethyltoluene	17.85	105	12045	0.04	ppbv #	86
73) 1,3,5-Trimethylbenzene	18.02	105	9066	0.04	ppbv	91
74) 1,2,4-Trimethylbenzene	18.86	105	29684	0.11	ppbv #	76
76) 1,4-Dichlorobenzene	19.32	146	2426	0.01	ppbv	91
79) Naphthalene	23.96	128	23964	0.12	ppbv #	95
80) Naphthalene,2-methyl-	26.08	142	851	0.02	ppbv #	17
81) 1,2,4-Trichlorobenzene	23.77	180	2324	0.02	ppbv #	82

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 14:29:54 2015
QLast Update : Thu Oct 29 14:29:54 2015
Response via : Initial Calibration

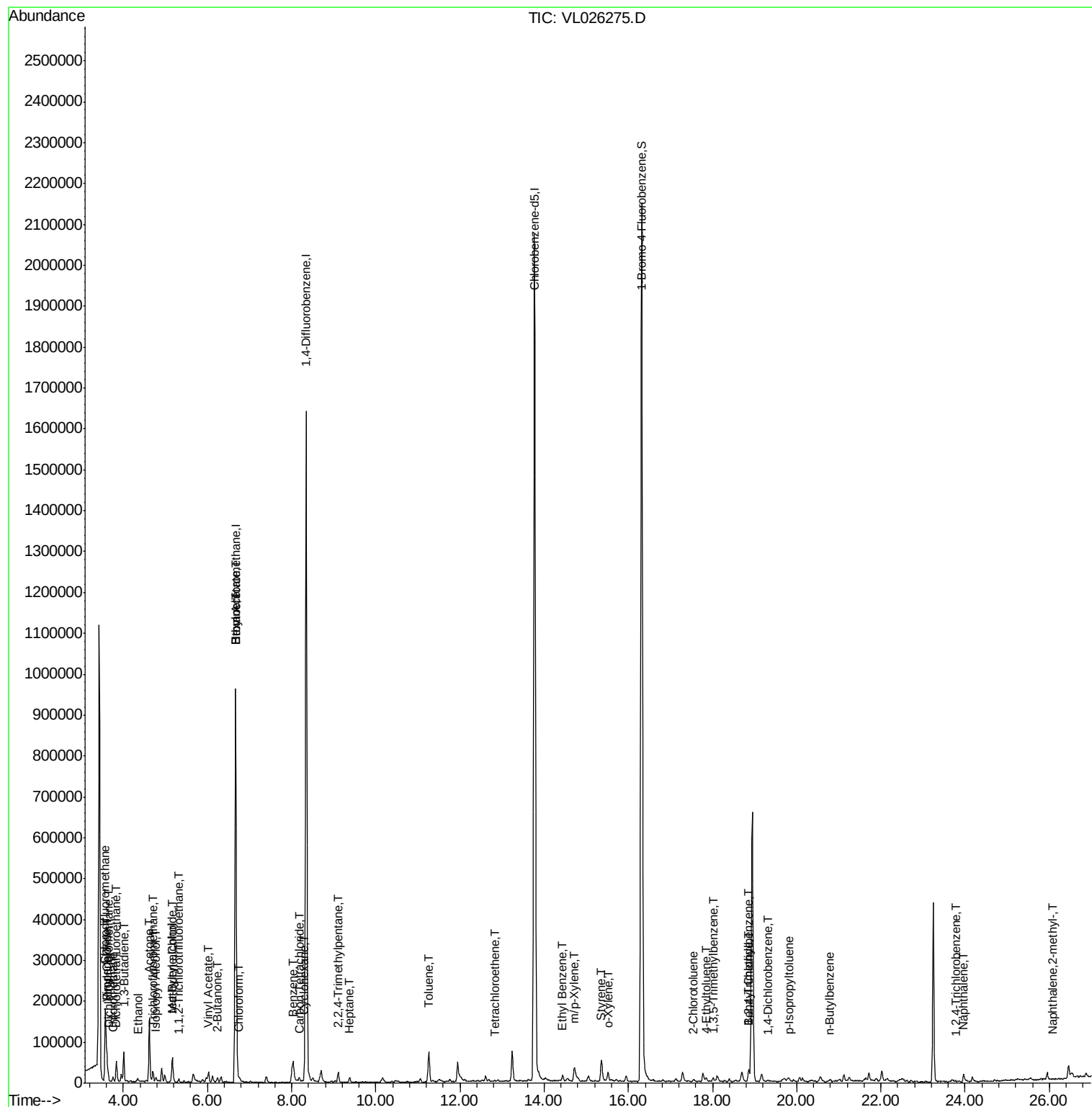
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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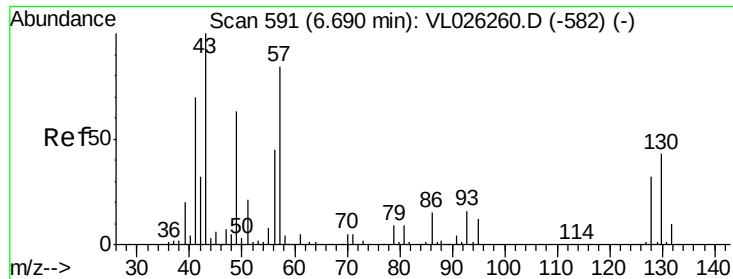
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 587

Delta R.T. -0.02 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Instrument :
MSVOA_L
ClientSampleId :

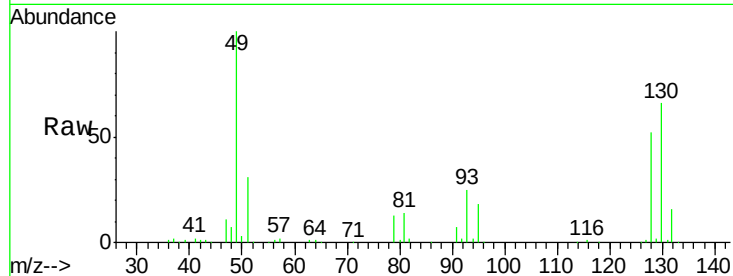
Tot Ion: 49 Resp: 573966

Ion Ratio Lower Upper

49 100

128 53.4 26.7 80.1

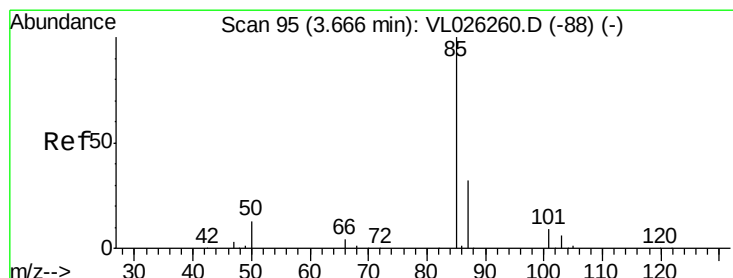
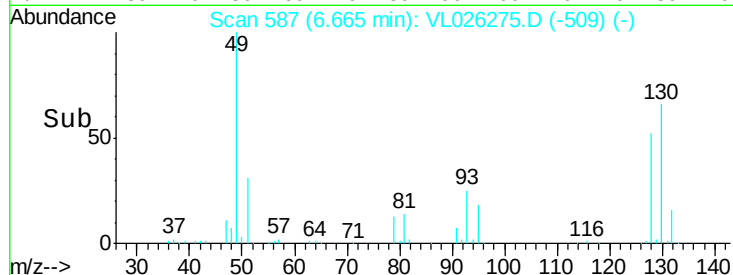
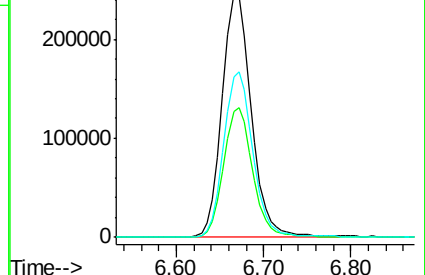
130 68.5 34.4 103.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.16 ppbv

RT: 3.65 min Scan# 92

Delta R.T. -0.02 min

Lab File: VL026275.D

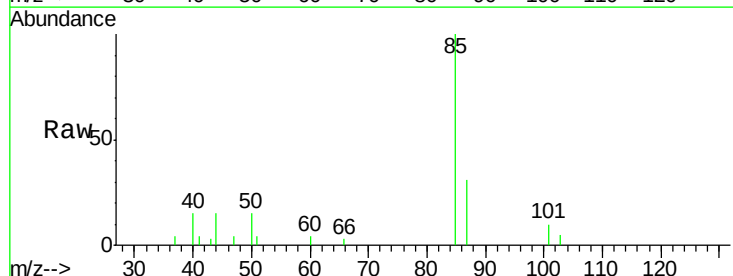
Acq: 29 Oct 2015 21:47

Tgt Ion: 85 Resp: 19893

Ion Ratio Lower Upper

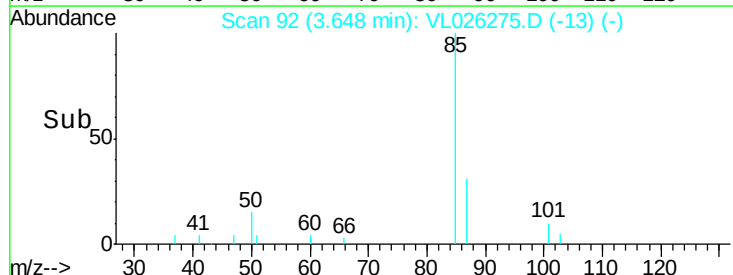
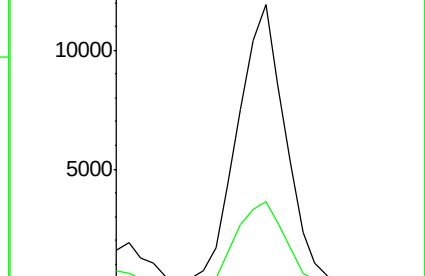
85 100

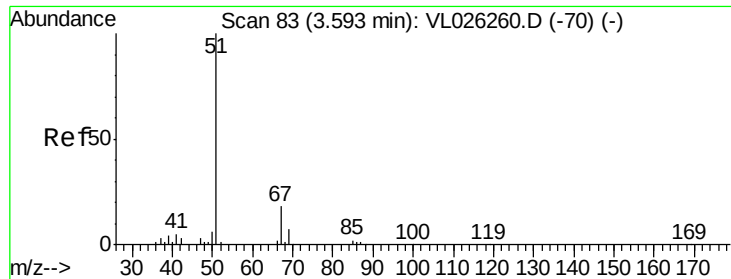
87 30.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 3.20 ppbv

RT: 3.57 min Scan# 80

Delta R.T. -0.02 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Instrument :

MSVOA_L

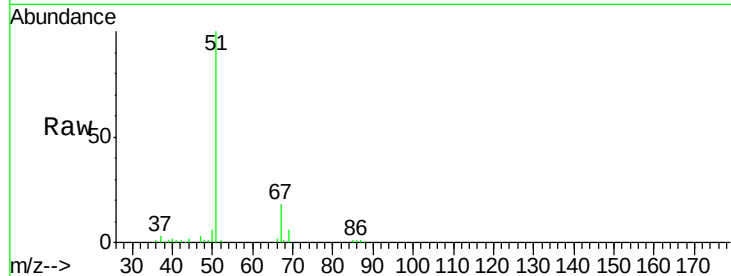
ClientSampleId :

Tot Ion: 51 Resp: 231277

Ion Ratio Lower Upper

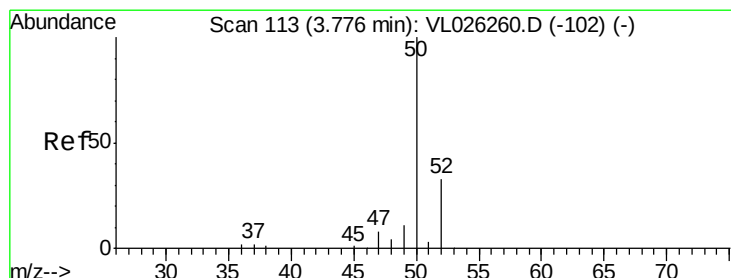
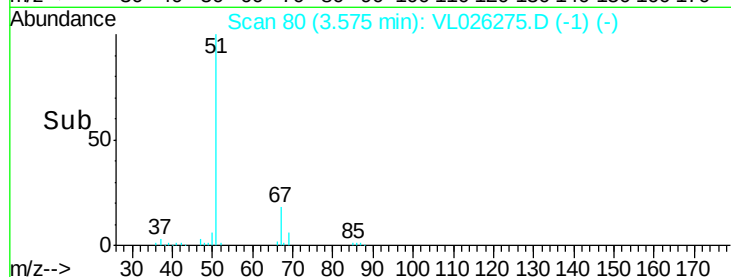
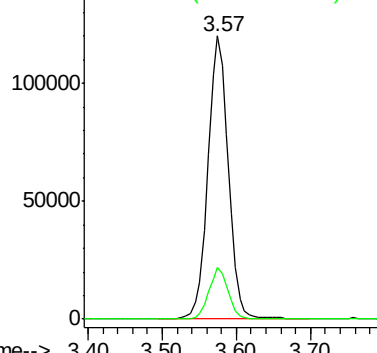
51 100

67 17.0 14.5 21.7



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.37 ppbv

RT: 3.76 min Scan# 110

Delta R.T. -0.02 min

Lab File: VL026275.D

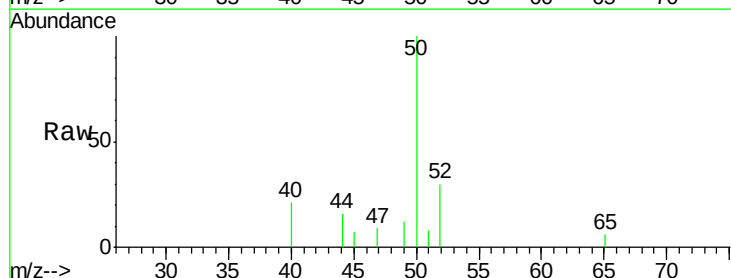
Acq: 29 Oct 2015 21:47

Tgt Ion: 50 Resp: 15402

Ion Ratio Lower Upper

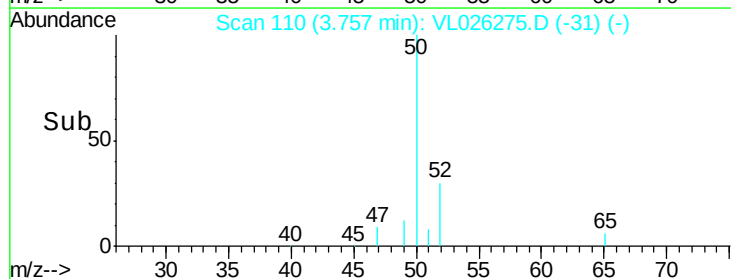
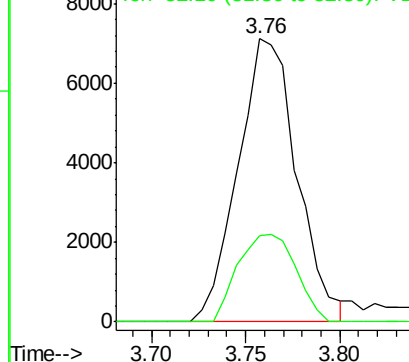
50 100

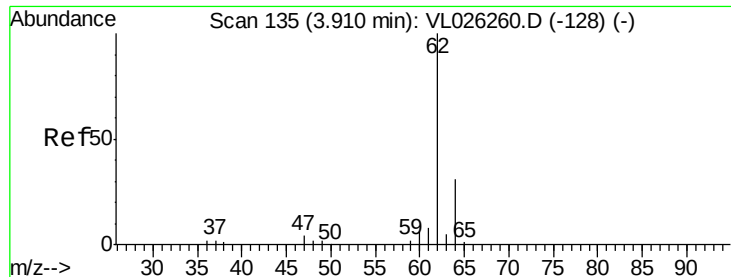
52 30.5 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.01 ppbv

RT: 3.61 min Scan# 86

Delta R.T. -0.30 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Instrument :

MSVOA_L

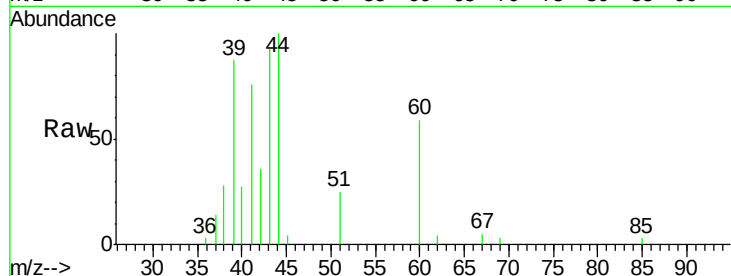
ClientSampleId :

Tot Ion: 62 Resp: 676

Ion Ratio Lower Upper

62 100

64 0.0 24.9 37.3#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.61

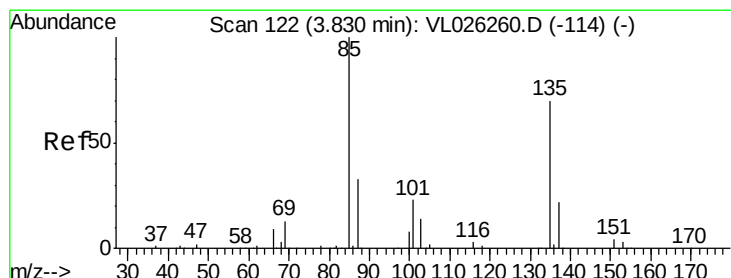
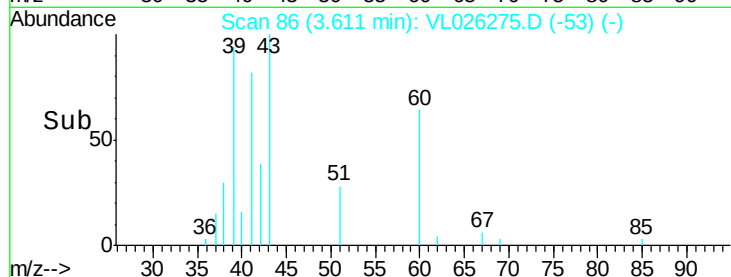
600

400

200

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.02 ppbv

RT: 3.81 min Scan# 119

Delta R.T. -0.02 min

Lab File: VL026275.D

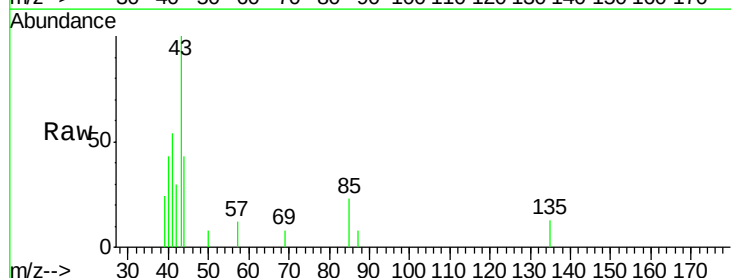
Acq: 29 Oct 2015 21:47

Tgt Ion: 85 Resp: 1719

Ion Ratio Lower Upper

85 100

135 42.6 56.6 84.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

3.81

1000

800

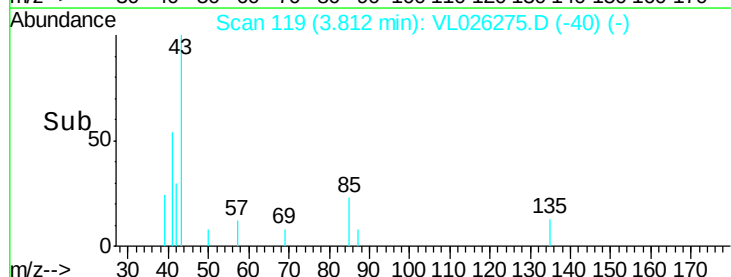
600

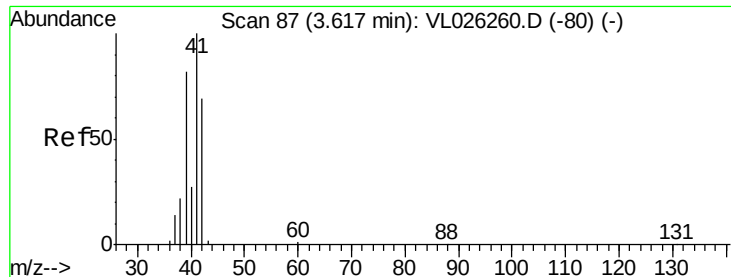
400

200

0

Time-->





#9

Propene

Concen: 0.75 ppbv

RT: 3.61 min Scan# 85

Delta R.T. -0.01 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Instrument :

MSVOA_L

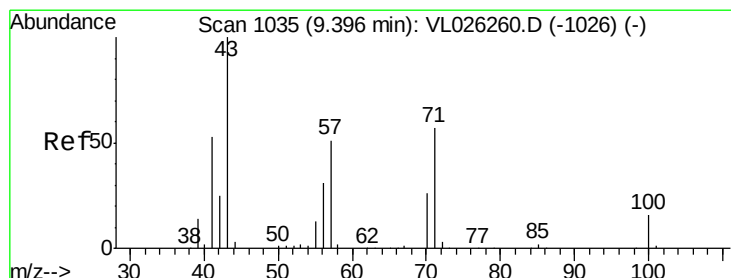
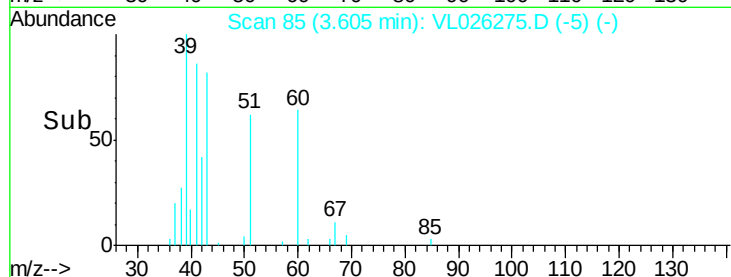
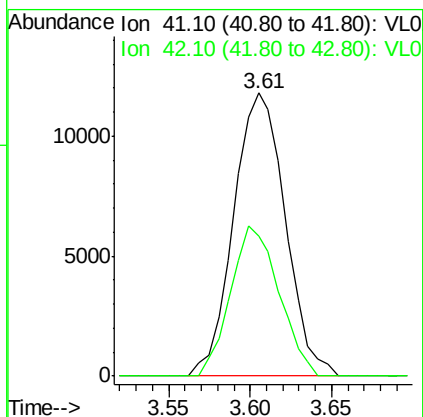
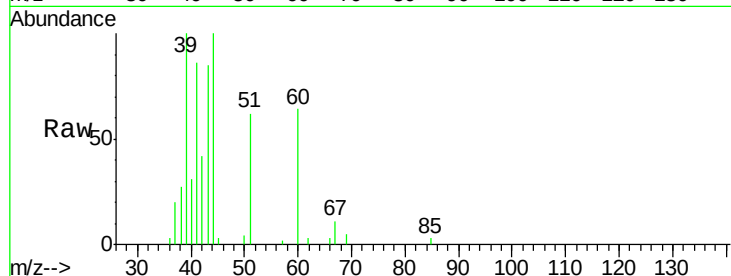
ClientSampleId :

Tot Ion: 41 Resp: 25960

Ion Ratio Lower Upper

41 100

42 49.7 54.5 81.7#



#10

Heptane

Concen: 0.06 ppbv

RT: 9.38 min Scan# 1032

Delta R.T. -0.02 min

Lab File: VL026275.D

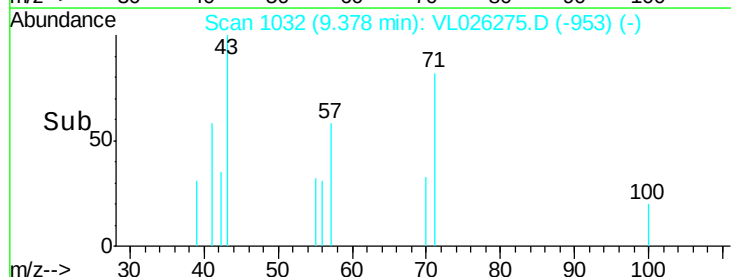
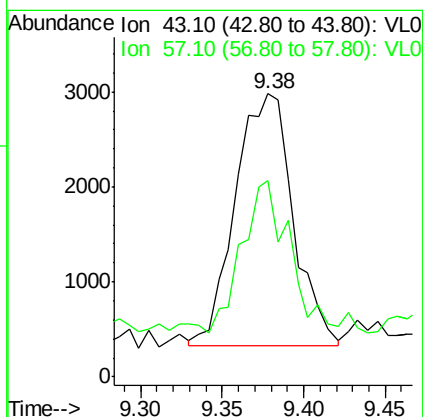
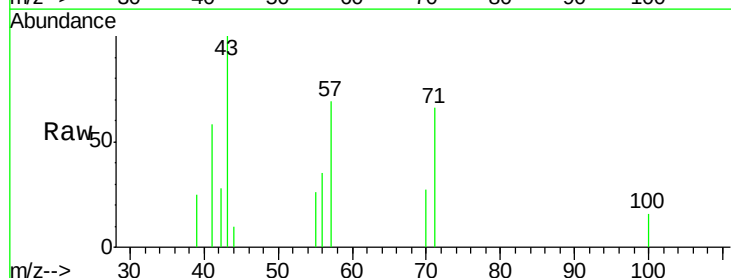
Acq: 29 Oct 2015 21:47

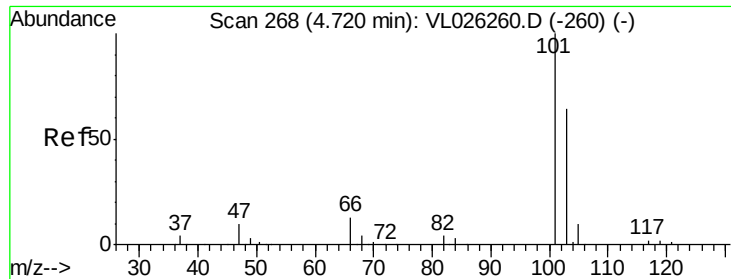
Tgt Ion: 43 Resp: 6520

Ion Ratio Lower Upper

43 100

57 59.3 41.1 61.7

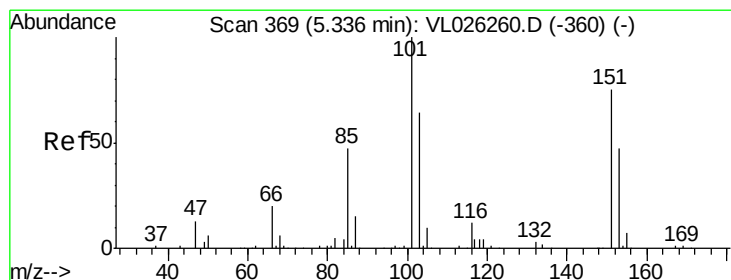
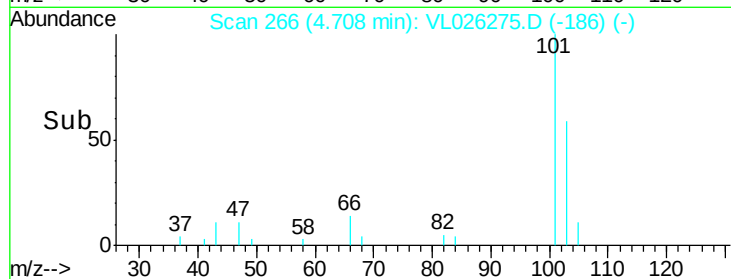
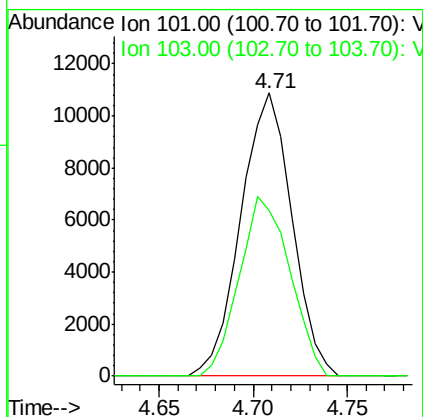
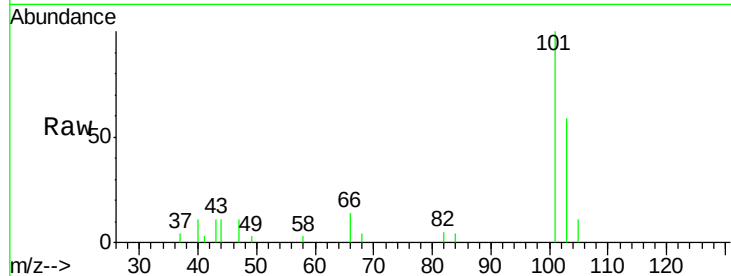




#11
 Trichlorofluoromethane
 Concen: 0.18 ppbv
 RT: 4.71 min Scan# 266
 Delta R.T. -0.01 min
 Lab File: VL026275.D
 Acq: 29 Oct 2015 21:47

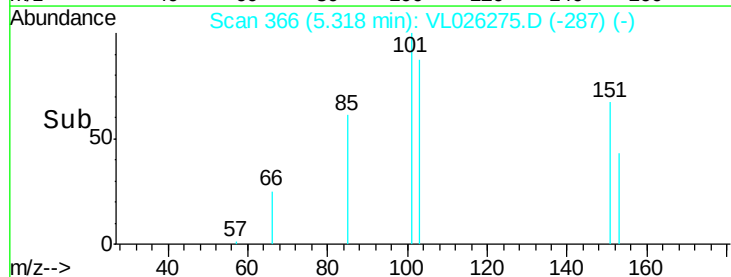
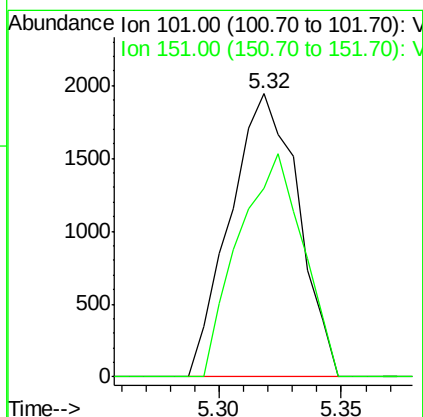
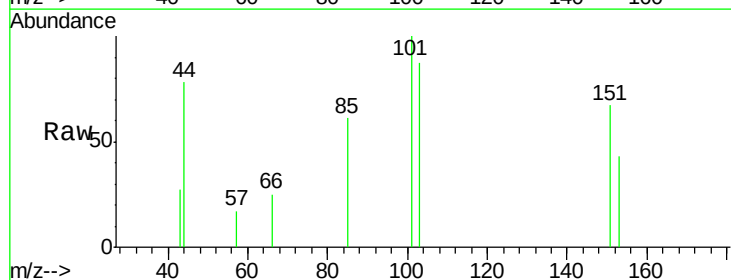
Instrument :
 MSVOA_L
 ClientSampleId :

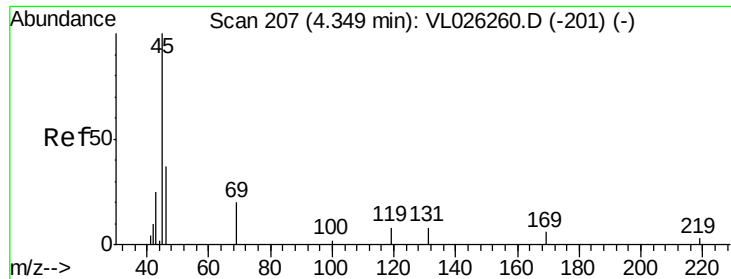
Tot Ion:101 Resp: 20489
 Ion Ratio Lower Upper
 101 100
 103 58.6 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.05 ppbv
 RT: 5.32 min Scan# 366
 Delta R.T. -0.02 min
 Lab File: VL026275.D
 Acq: 29 Oct 2015 21:47

Tgt Ion:101 Resp: 3770
 Ion Ratio Lower Upper
 101 100
 151 75.0 60.3 90.5





#13

Ethanol

Concen: 1.95 ppbv

RT: 4.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Instrument :

MSVOA_L

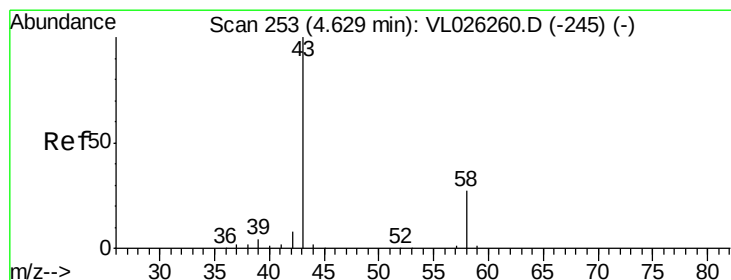
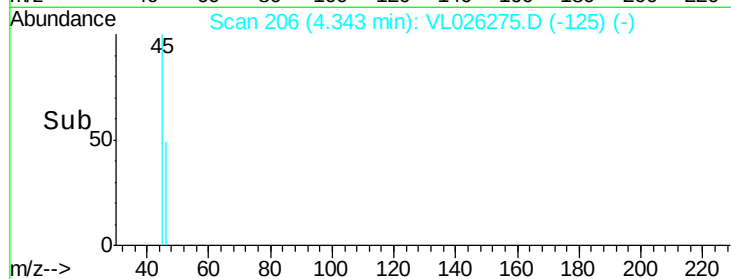
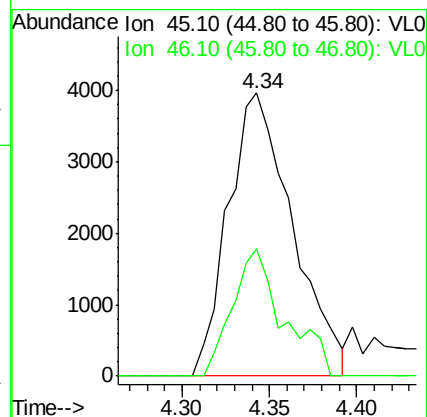
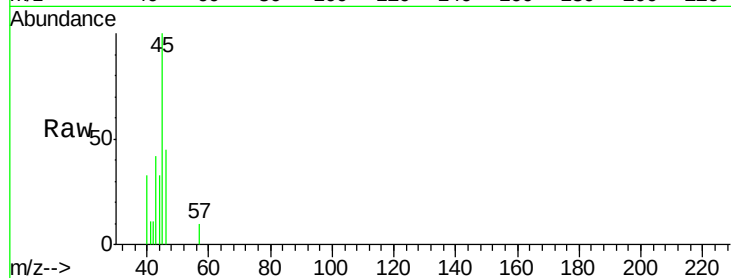
ClientSampleId :

Tot Ion: 45 Resp: 10135

Ion Ratio Lower Upper

45 100

46 35.9 17.0 68.0



#15

Acetone

Concen: 2.17 ppbv

RT: 4.62 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL026275.D

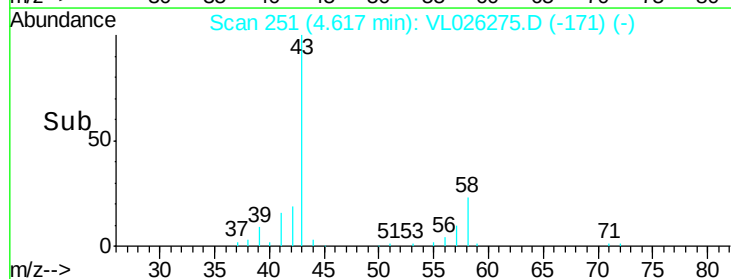
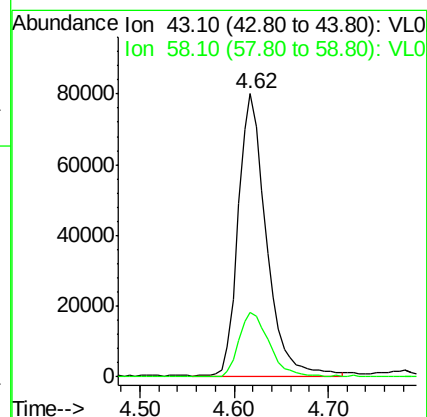
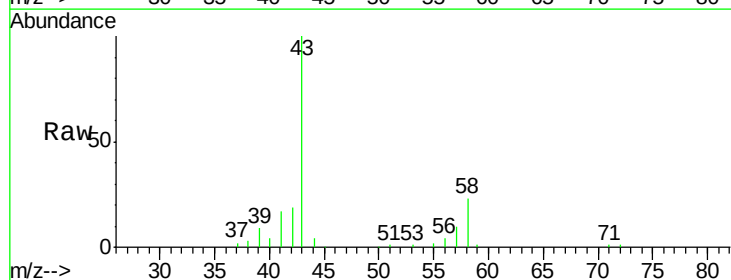
Acq: 29 Oct 2015 21:47

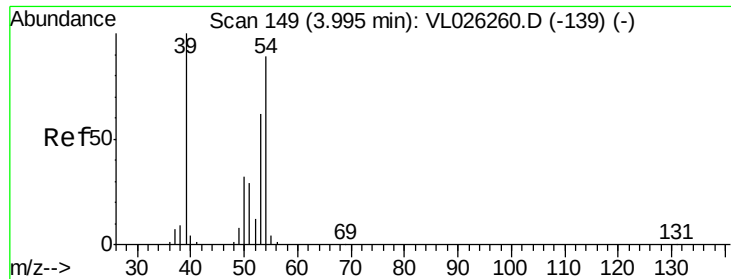
Tgt Ion: 43 Resp: 164581

Ion Ratio Lower Upper

43 100

58 24.9 22.3 33.5

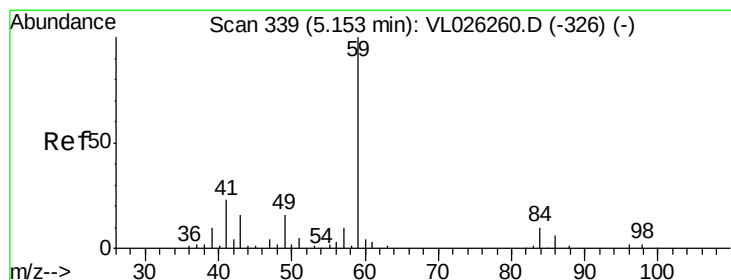
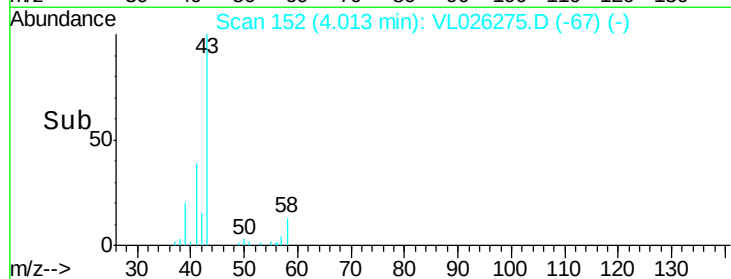
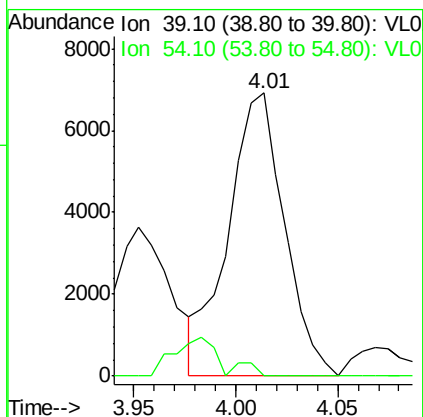
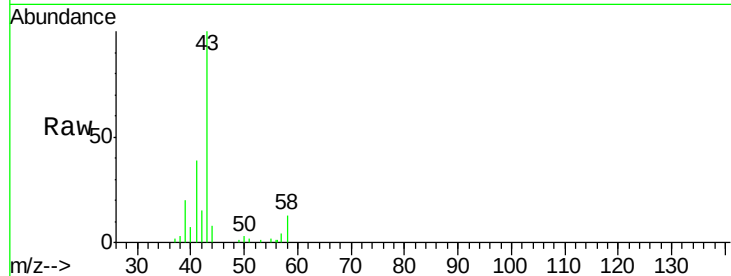




#16
 1,3-Butadiene
 Concen: 0.35 ppbv
 RT: 4.01 min Scan# 152
 Delta R.T. 0.02 min
 Lab File: VL026275.D
 Acq: 29 Oct 2015 21:47

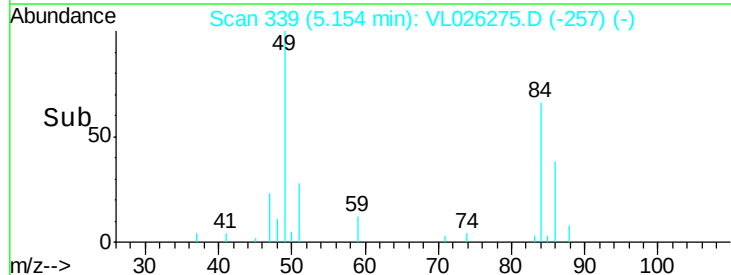
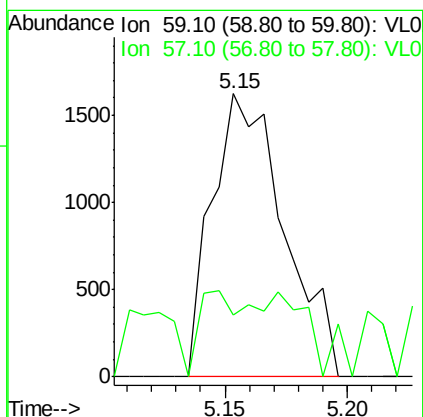
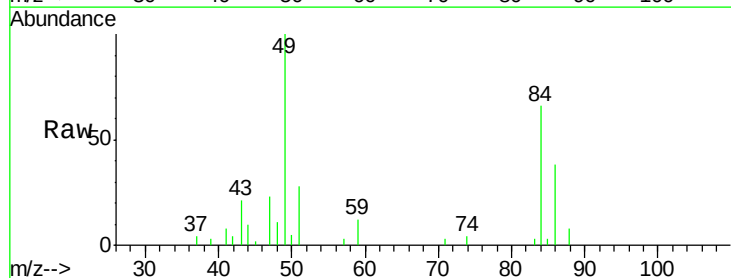
Instrument :
 MSVOA_L
 ClientSampleId :

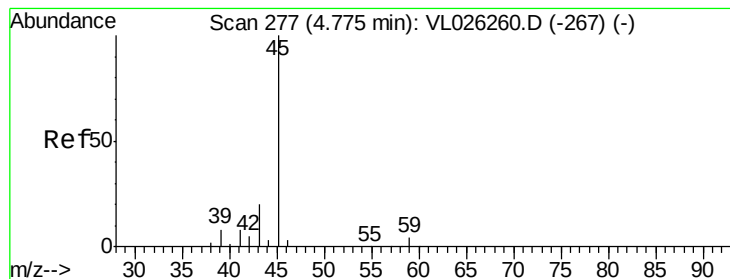
Tot Ion: 39 Resp: 13239
 Ion Ratio Lower Upper
 39 100
 54 11.6 67.3 100.9#



#17
 tert-Butyl alcohol
 Concen: 0.06 ppbv
 RT: 5.15 min Scan# 339
 Delta R.T. 0.00 min
 Lab File: VL026275.D
 Acq: 29 Oct 2015 21:47

Tgt Ion: 59 Resp: 3324
 Ion Ratio Lower Upper
 59 100
 57 82.8 8.7 13.1#





#19

Isopropyl Alcohol

Concen: 0.30 ppbv

RT: 4.78 min Scan# 277

Delta R.T. 0.00 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Instrument :

MSVOA_L

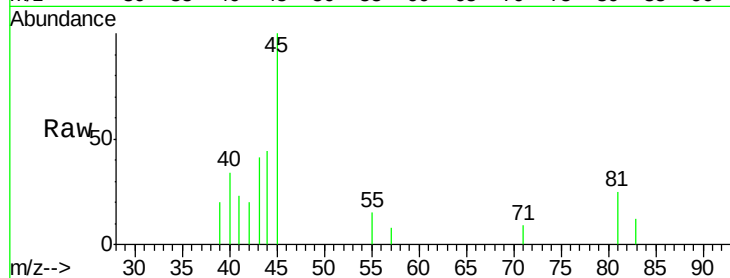
ClientSampleId :

Tot Ion: 45 Resp: 9743

Ion Ratio Lower Upper

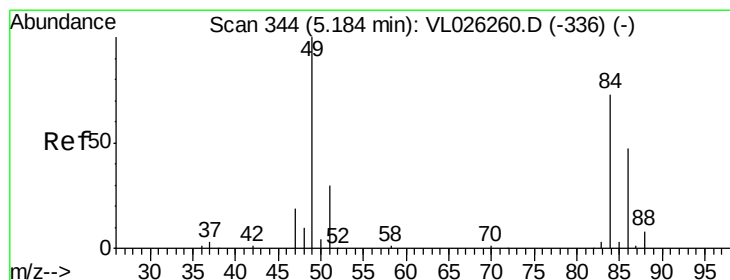
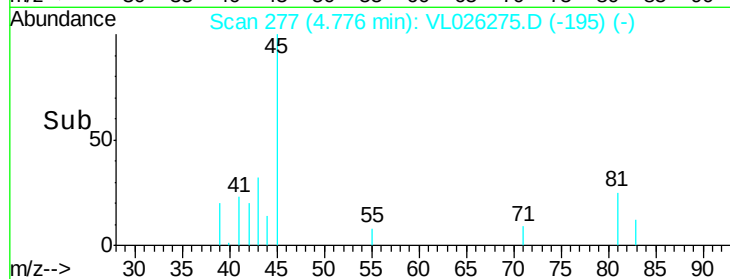
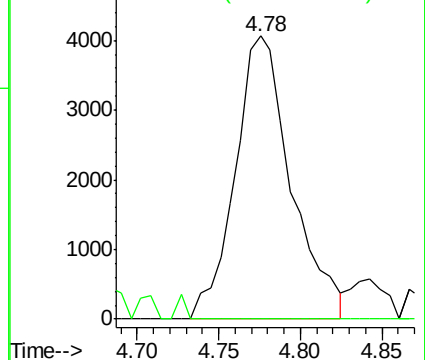
45 100

58 0.0 43.8 65.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.80 ppbv

RT: 5.17 min Scan# 341

Delta R.T. -0.02 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Tgt Ion: 84 Resp: 26385

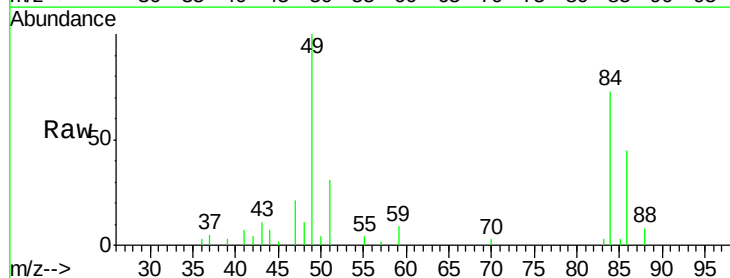
Ion Ratio Lower Upper

84 100

49 137.2 109.0 163.4

51 42.9 32.8 49.2

86 62.3 50.8 76.2

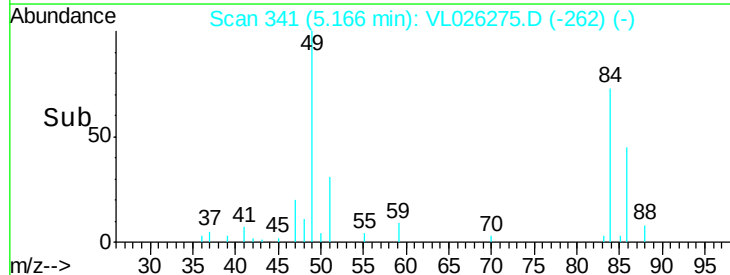
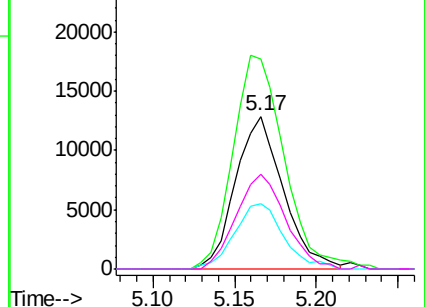


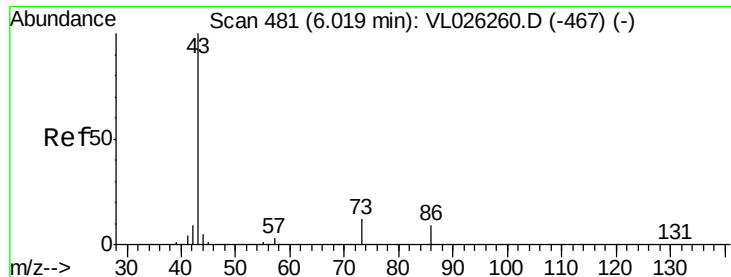
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#23

Vinyl Acetate

Concen: 0.13 ppbv

RT: 6.02 min Scan# 481

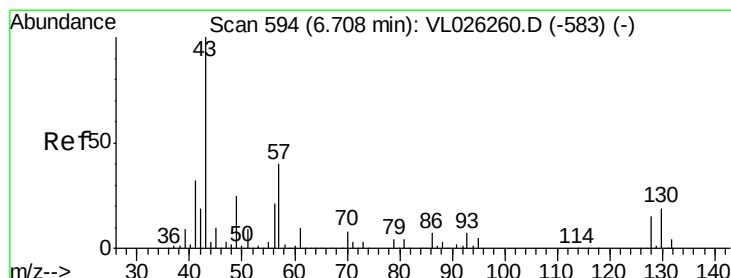
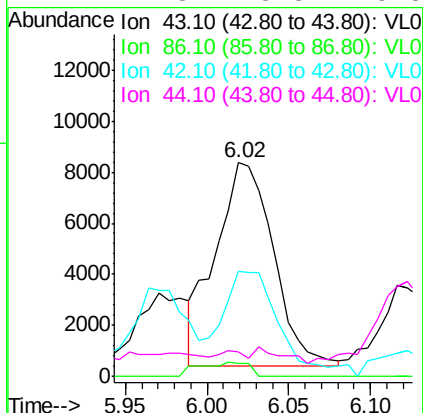
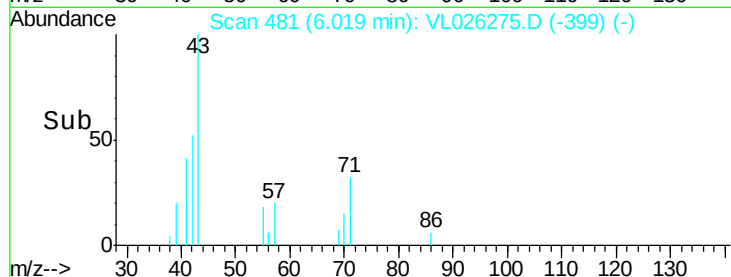
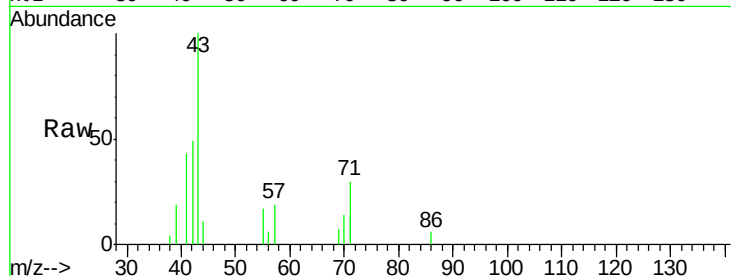
Delta R.T. 0.00 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	19717
Ion	Ratio	Lower	Upper
43	100		
86	6.4	7.3	10.9#
42	47.8	7.2	10.8#
44	1.3	3.8	5.8#



#25

Ethyl Acetate

Concen: 0.08 ppbv

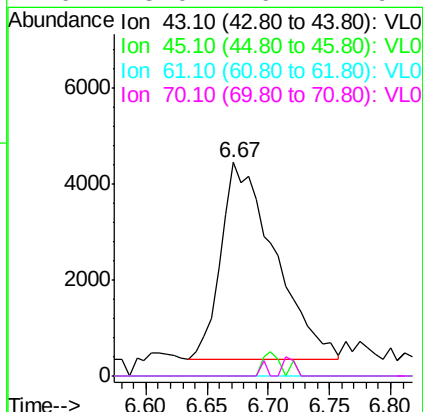
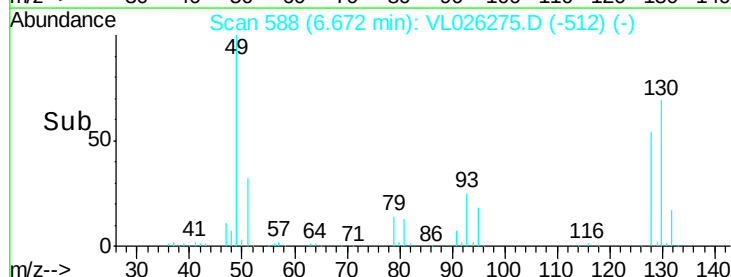
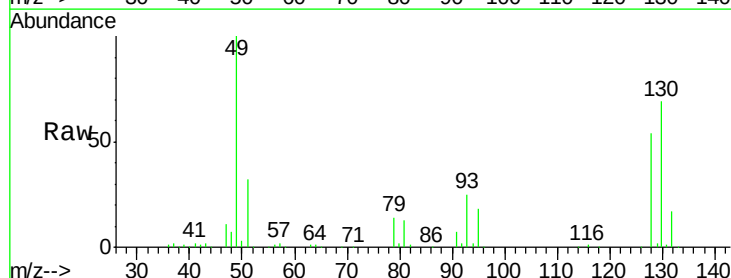
RT: 6.67 min Scan# 588

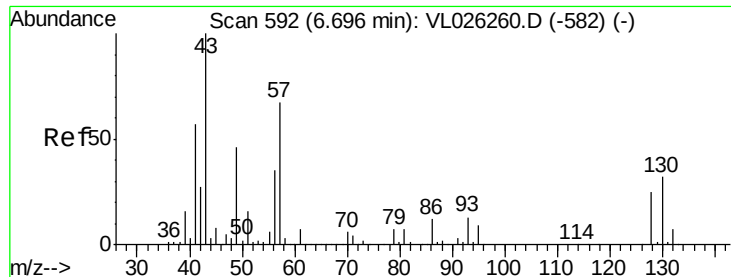
Delta R.T. -0.04 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Tgt Ion:	43	Resp:	12498
Ion	Ratio	Lower	Upper
43	100		
45	4.5	7.6	11.4#
61	0.0	7.4	11.2#
70	3.0	6.7	10.1#





#26

Hexane

Concen: 0.16 ppbv

RT: 6.68 min Scan# 589

Delta R.T. -0.02 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 12385

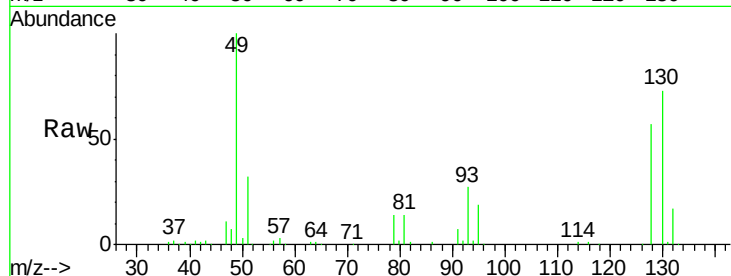
Ion Ratio Lower Upper

57 100

41 90.9 67.4 101.2

43 107.6 163.9 245.9#

56 55.6 42.2 63.2

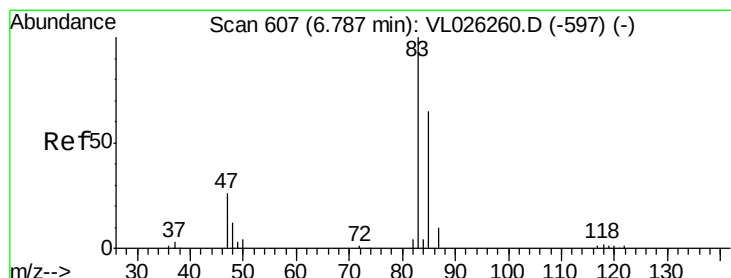
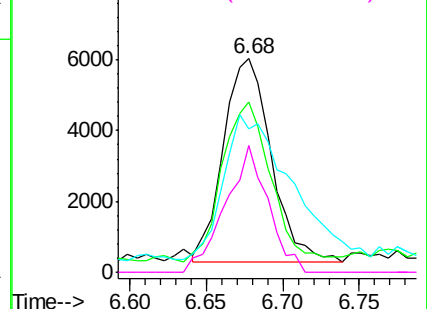
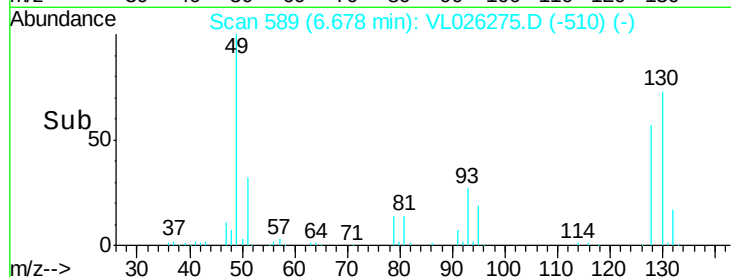


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29

Chloroform

Concen: 0.02 ppbv

RT: 6.76 min Scan# 602

Delta R.T. -0.03 min

Lab File: VL026275.D

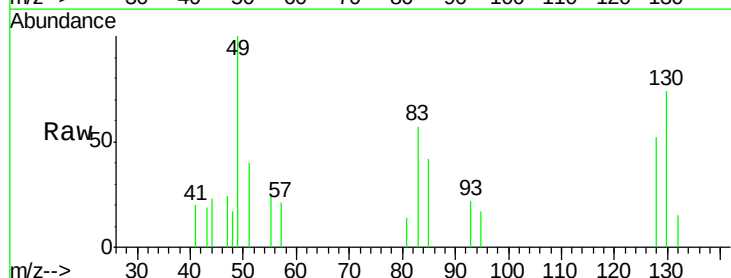
Acq: 29 Oct 2015 21:47

Tgt Ion: 83 Resp: 2650

Ion Ratio Lower Upper

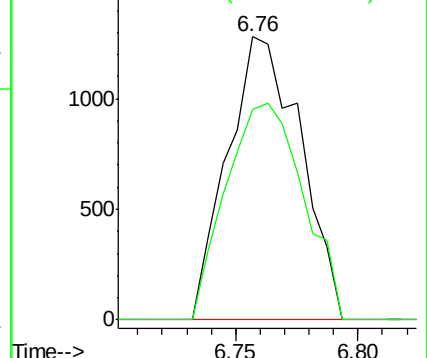
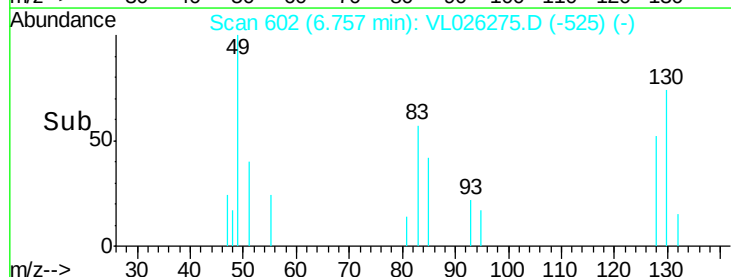
83 100

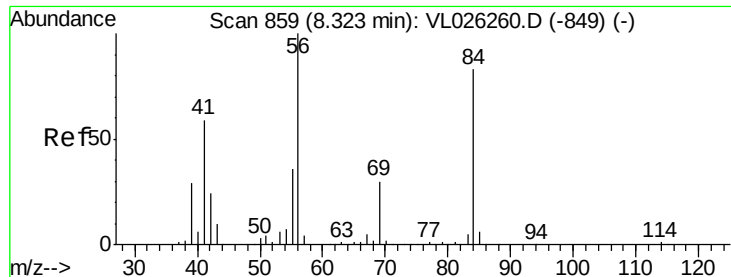
85 74.1 52.0 78.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

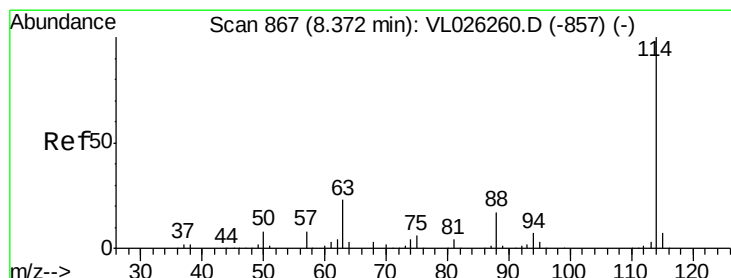
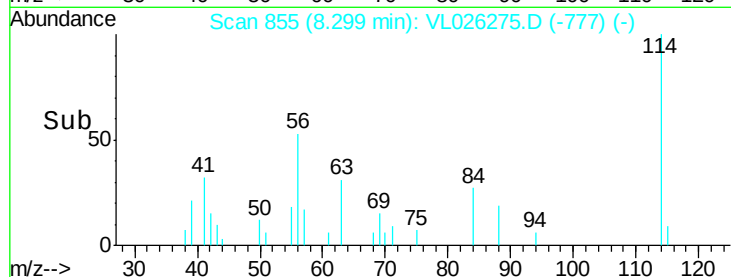
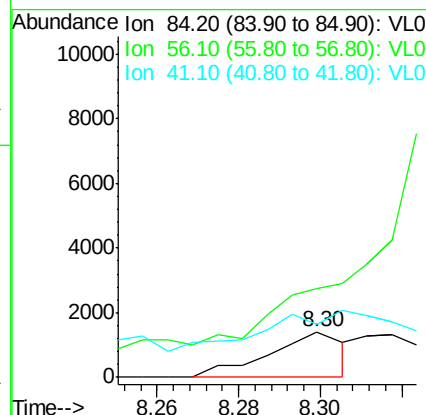
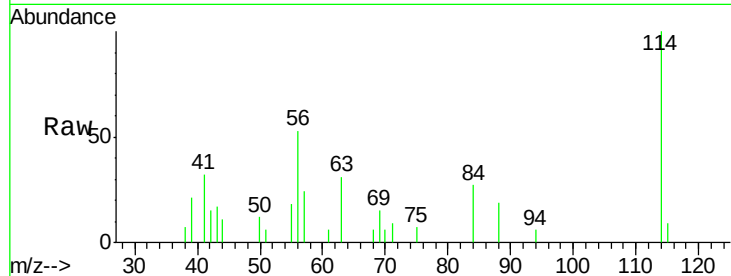




#30
Cyclohexane
Concen: 0.02 ppbv
RT: 8.30 min Scan# 855
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

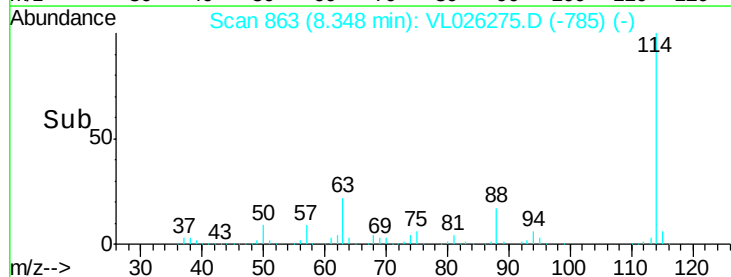
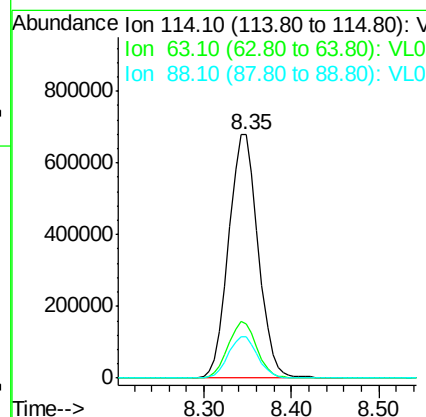
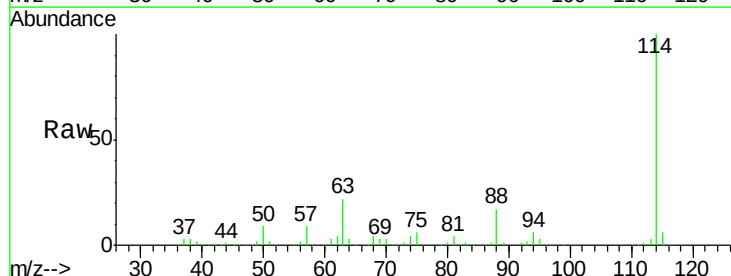
Instrument :
MSVOA_L
ClientSampleId :

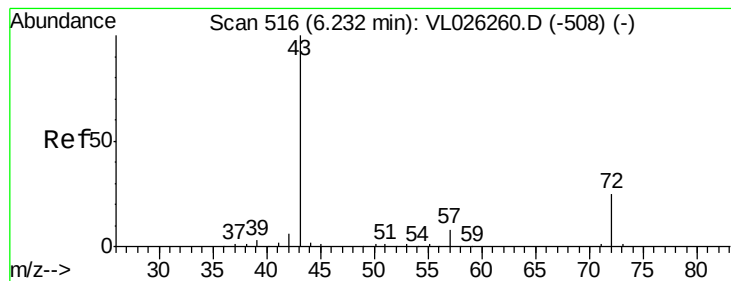
Tot Ion: 84 Resp: 1816
Ion Ratio Lower Upper
84 100
56 0.0 99.6 149.4#
41 433.5 56.7 85.1#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.35 min Scan# 863
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion: 114 Resp: 1591774
Ion Ratio Lower Upper
114 100
63 22.7 18.6 28.0
88 16.9 13.4 20.2





#34

2-Butanone

Concen: 0.18 ppbv

RT: 6.23 min Scan# 516

Delta R.T. 0.00 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Instrument :

MSVOA_L

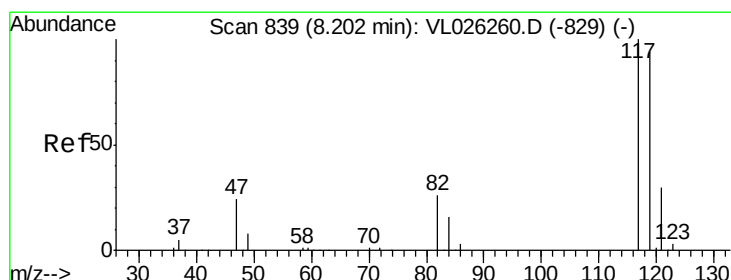
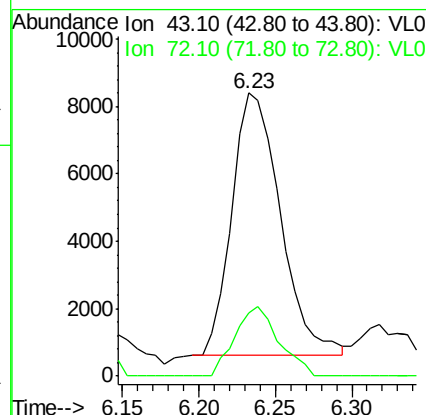
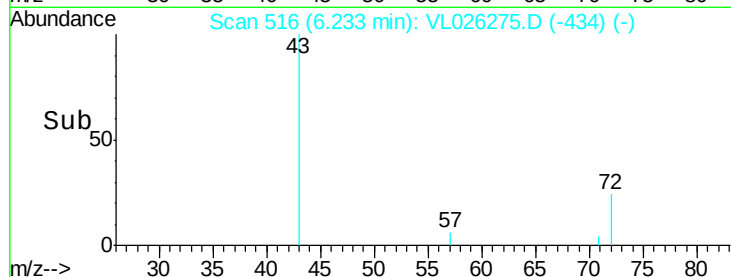
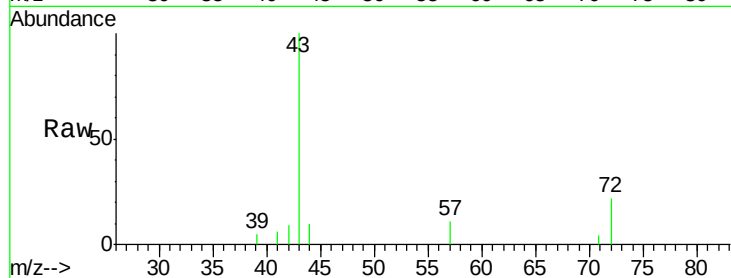
ClientSampled :

Tot Ion: 43 Resp: 17198

Ion Ratio Lower Upper

43 100

72 24.0 19.9 29.9



#35

Carbon Tetrachloride

Concen: 0.05 ppbv

RT: 8.18 min Scan# 836

Delta R.T. -0.02 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

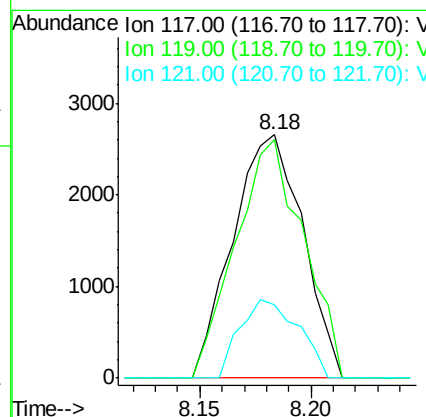
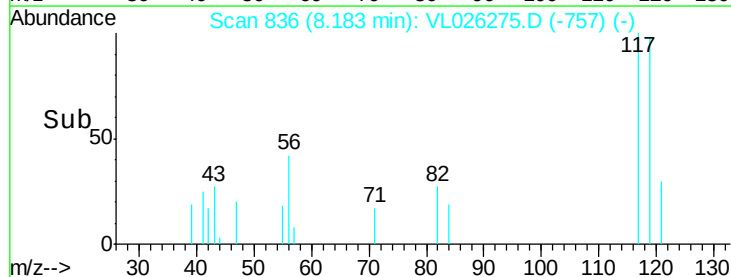
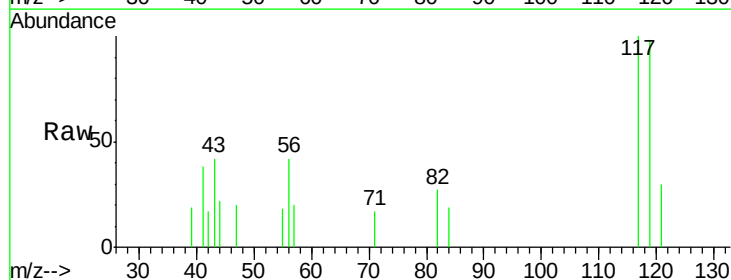
Tgt Ion: 117 Resp: 5792

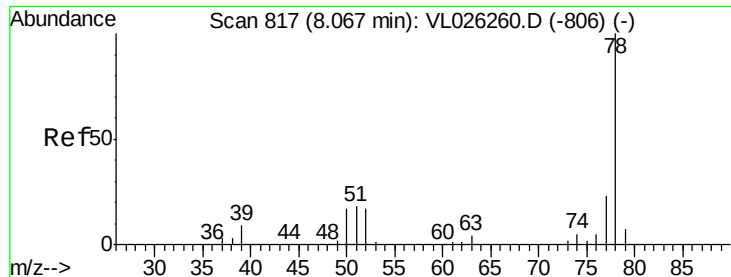
Ion Ratio Lower Upper

117 100

119 97.7 75.2 112.8

121 30.1 24.2 36.2





#36

Benzene

Concen: 0.18 ppbv

RT: 8.04 min Scan# 813

Delta R.T. -0.02 min

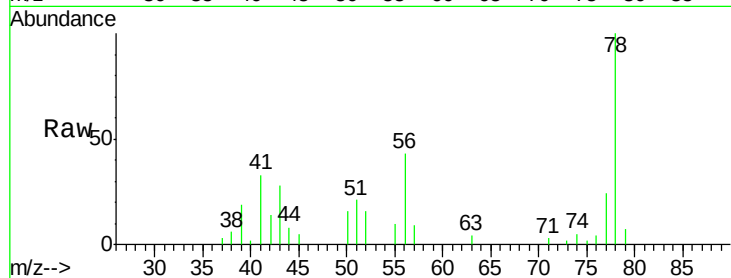
Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 78 Resp: 29790

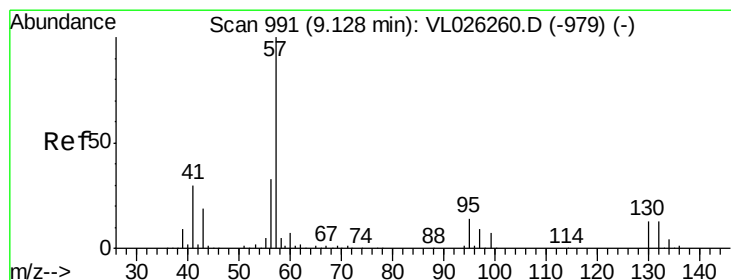
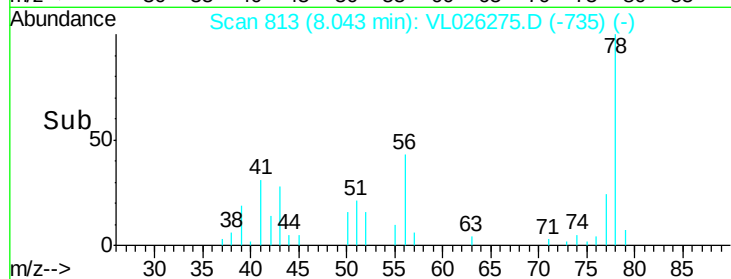
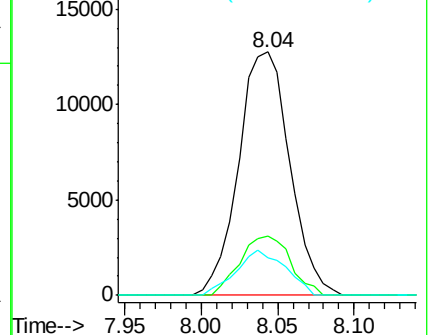
Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.0	27.0
50	15.6	13.3	19.9



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.09 ppbv

RT: 9.11 min Scan# 988

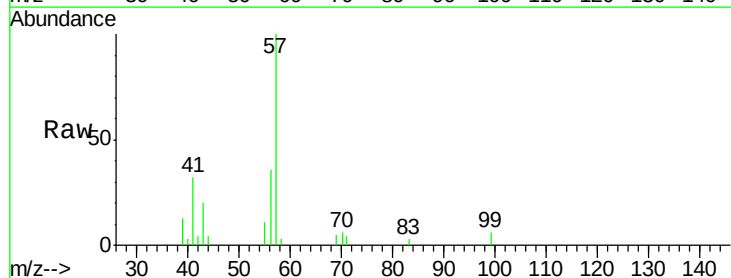
Delta R.T. -0.02 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Tgt Ion: 57 Resp: 25481

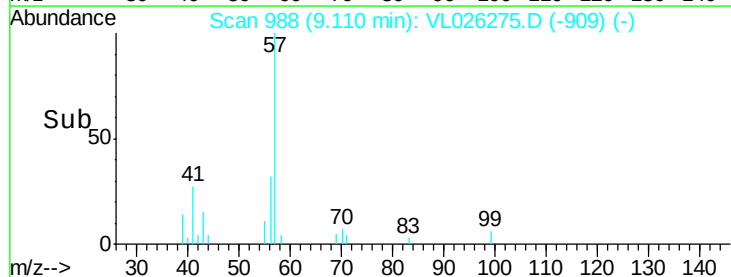
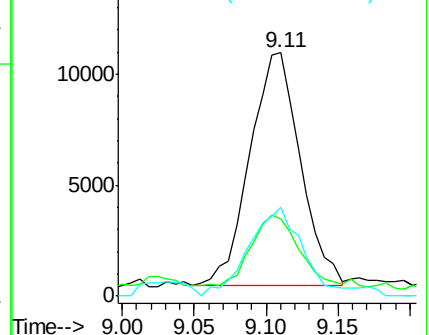
Ion	Ratio	Lower	Upper
57	100		
41	33.1	23.1	34.7
56	48.1	26.3	39.5

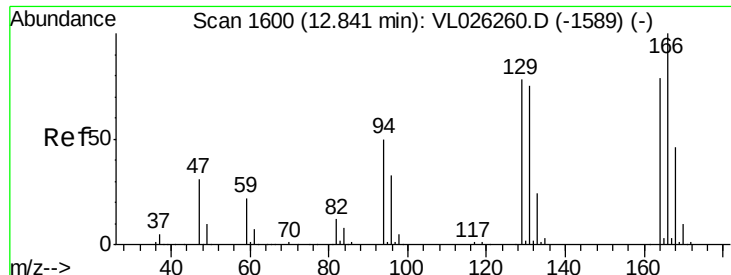


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#52

Tetrachloroethene

Concen: 0.01 ppbv

RT: 12.83 min Scan# 1598

Delta R.T. -0.01 min

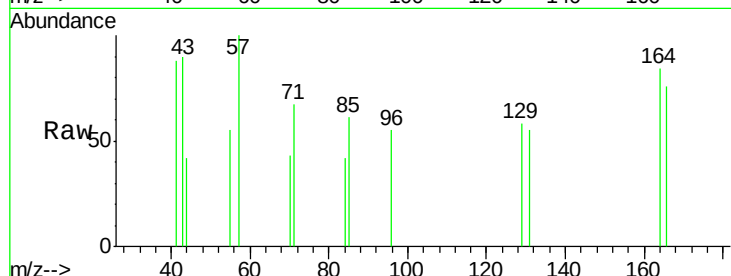
Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Instrument :

MSVOA_L

ClientSampleId :



Tot Ion:164 Resp: 998

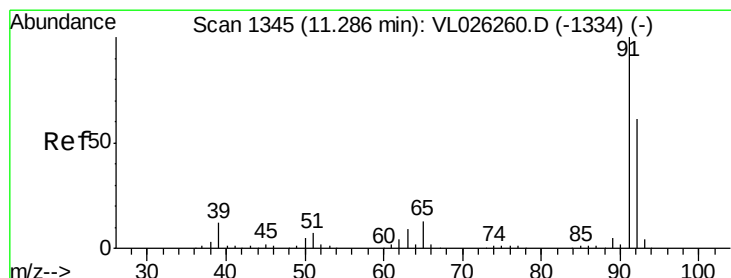
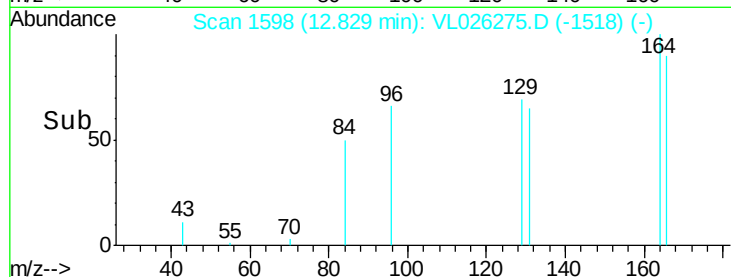
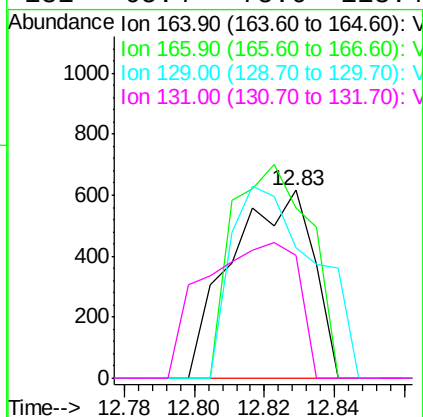
Ion Ratio Lower Upper

164 100

166 90.4 101.4 152.0#

129 69.3 78.8 118.2#

131 65.4 75.6 113.4#



#53

Toluene

Concen: 0.32 ppbv

RT: 11.26 min Scan# 1340

Delta R.T. -0.03 min

Lab File: VL026275.D

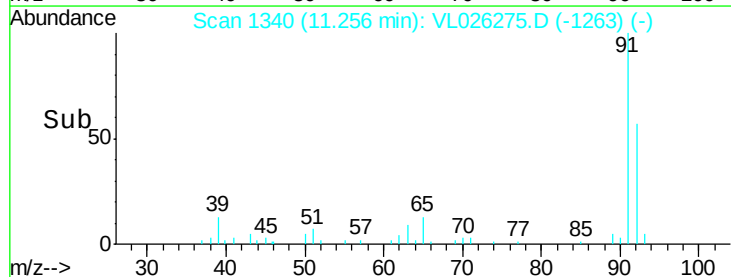
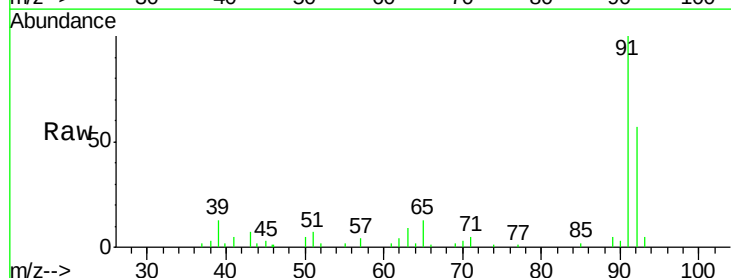
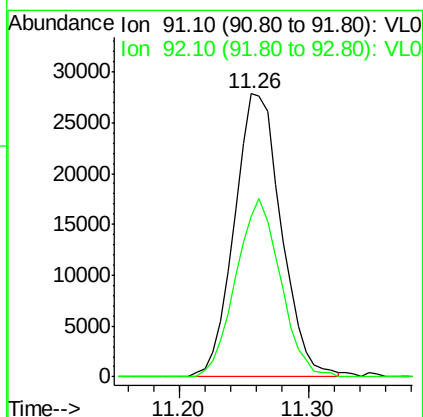
Acq: 29 Oct 2015 21:47

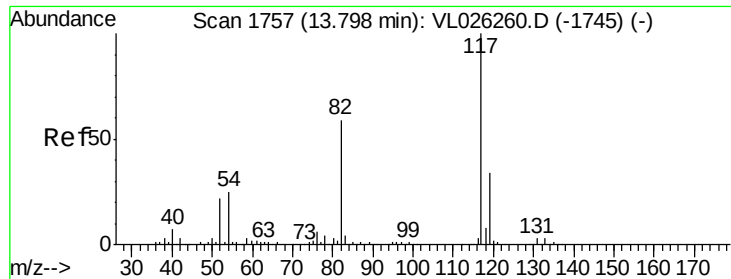
Tgt Ion: 91 Resp: 70294

Ion Ratio Lower Upper

91 100

92 59.9 48.6 73.0

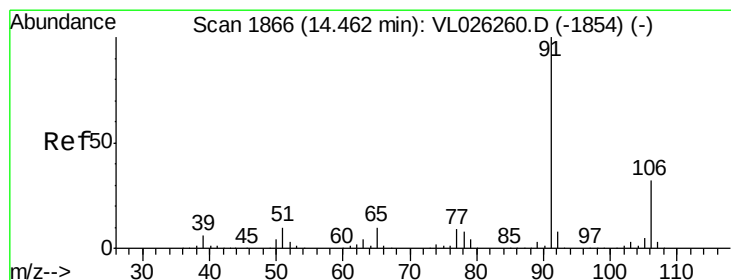
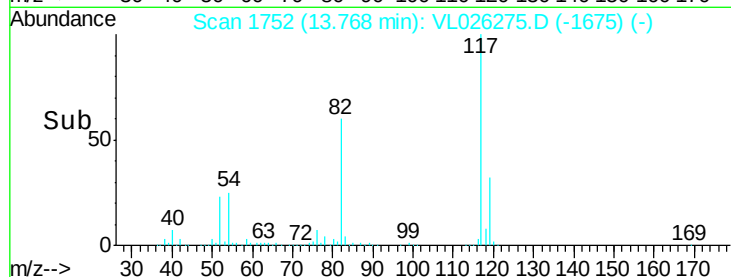
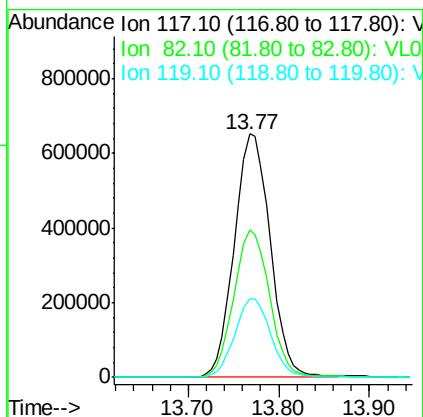
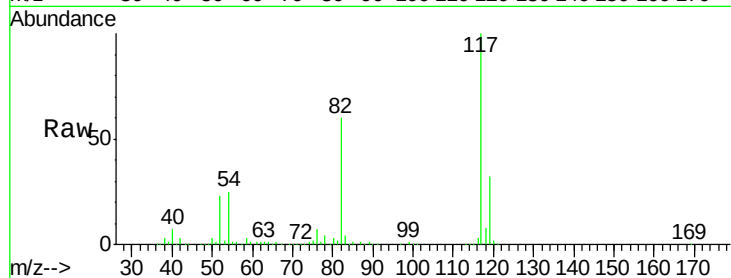




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.77 min Scan# 1752
Delta R.T. -0.03 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

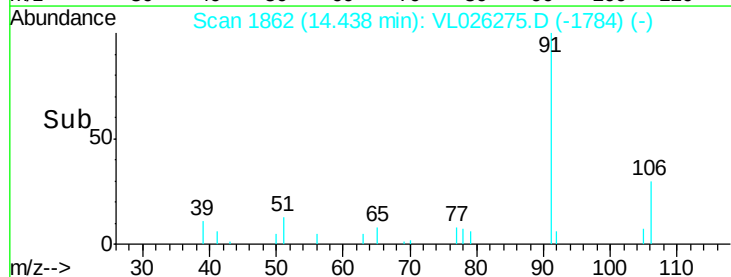
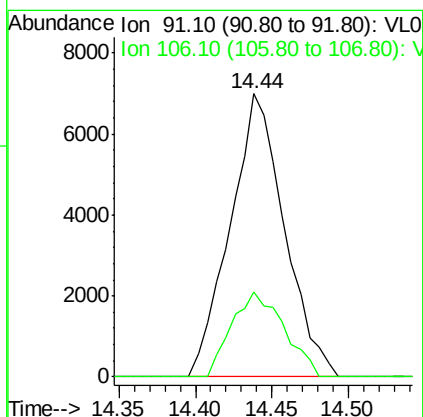
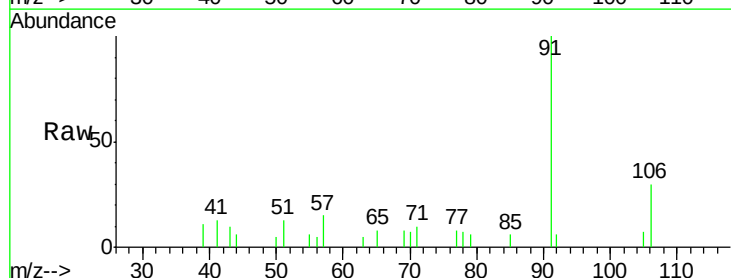
Instrument :
MSVOA_L
ClientSampleId :

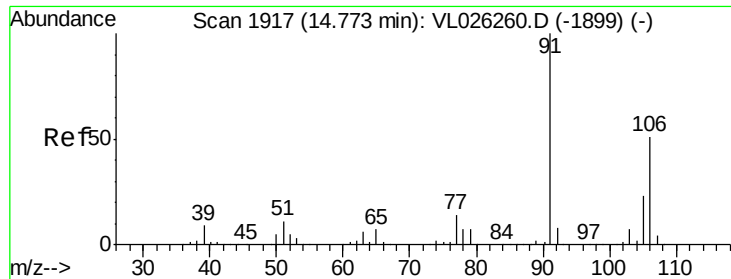
Tot Ion:117 Resp: 1795565
Ion Ratio Lower Upper
117 100
82 0.0 48.2 72.4#
119 32.8 46.2 69.2#



#58
Ethyl Benzene
Concen: 0.06 ppbv
RT: 14.44 min Scan# 1862
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion: 91 Resp: 17190
Ion Ratio Lower Upper
91 100
106 30.1 25.7 38.5

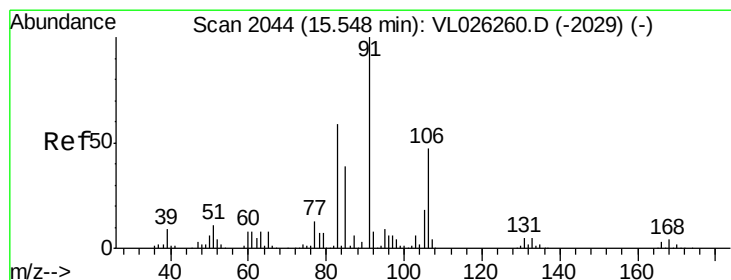
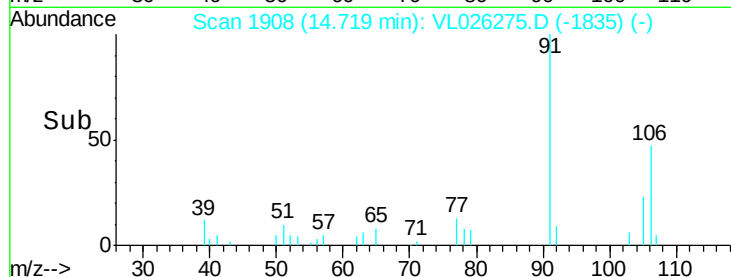
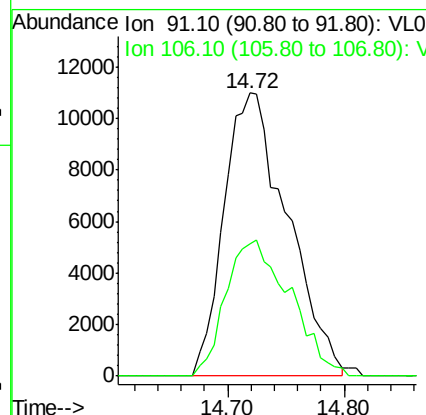
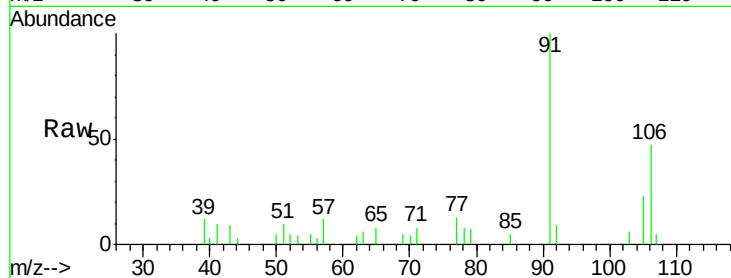




#59
m/p-Xylene
Concen: 0.18 ppbv
RT: 14.72 min Scan# 1908
Delta R.T. -0.05 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

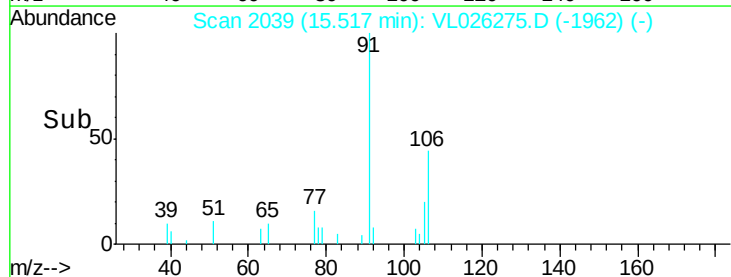
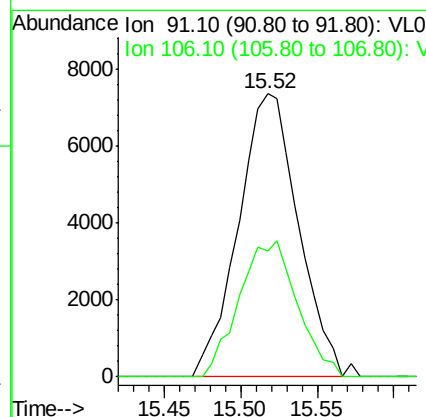
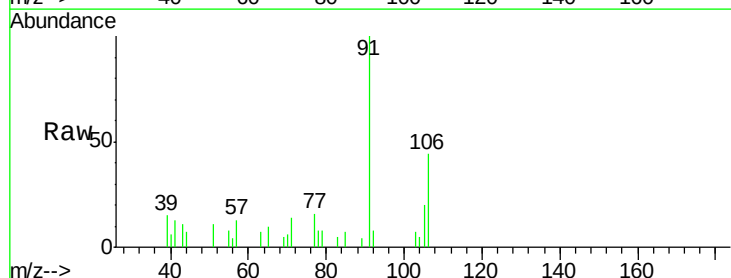
Instrument :
MSVOA_L
ClientSampleId :

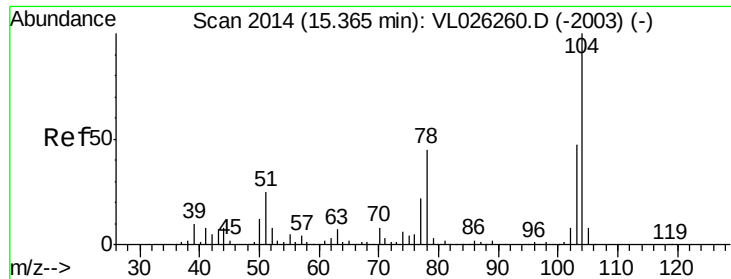
Tot Ion: 91 Resp: 41391
Ion Ratio Lower Upper
91 100
106 48.6 0.0 0.0#



#60
o-Xylene
Concen: 0.08 ppbv
RT: 15.52 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion: 91 Resp: 20045
Ion Ratio Lower Upper
91 100
106 46.5 23.6 70.8

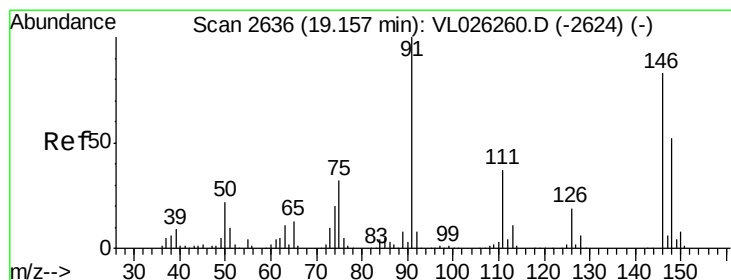
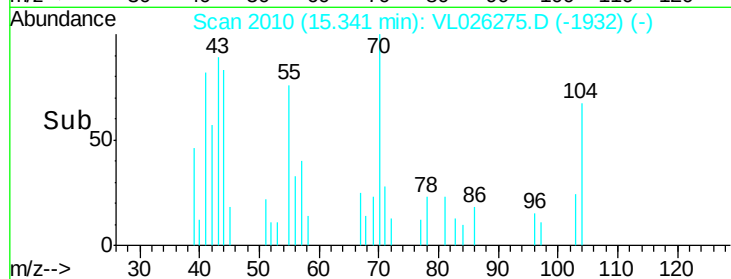
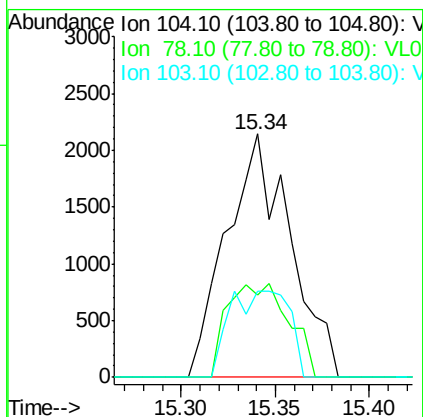
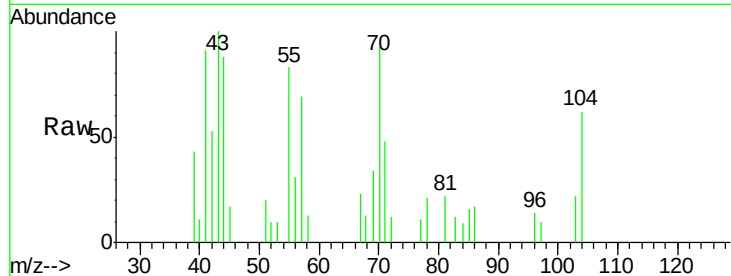




#61
Stvrene
Concen: 0.05 ppbv
RT: 15.34 min Scan# 2010
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

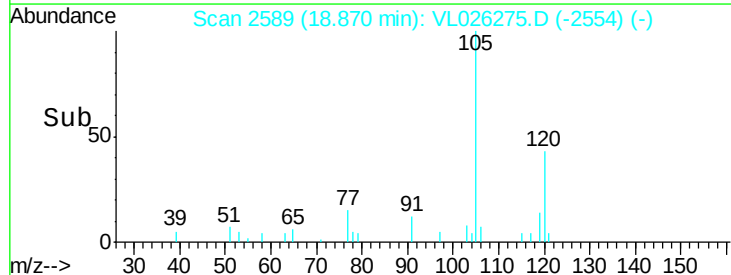
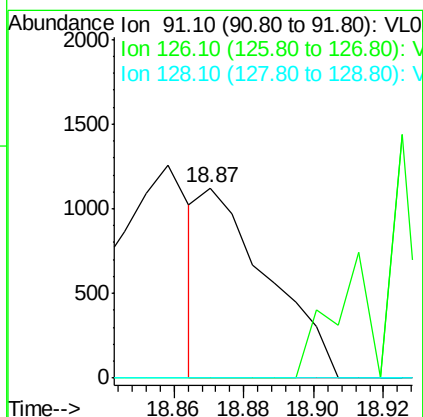
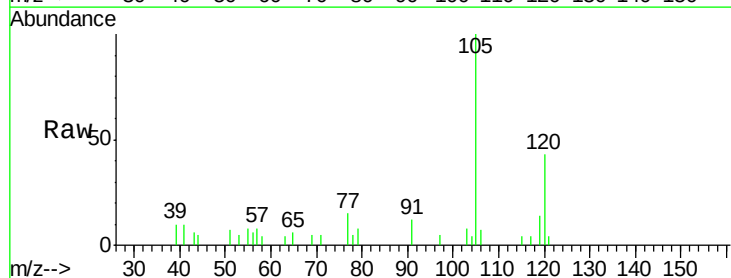
Instrument :
MSVOA_L
ClientSampleId :

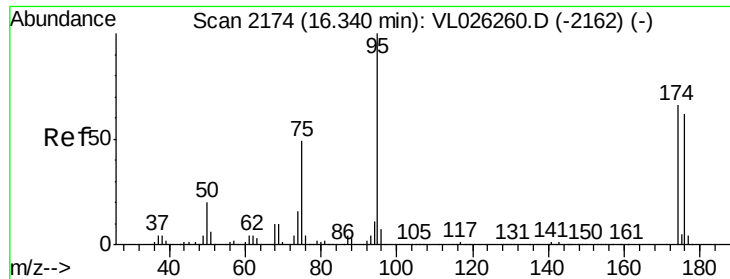
Tot Ion:104 Resp: 5004
Ion Ratio Lower Upper
104 100
78 37.4 35.5 53.3
103 33.2 37.0 55.6#



#66
Benzyl Chloride
Concen: 0.02 ppbv
RT: 18.87 min Scan# 2589
Delta R.T. -0.29 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion: 91 Resp: 1496
Ion Ratio Lower Upper
91 100
126 112.0 15.8 23.8#
128 0.0 5.0 7.6#

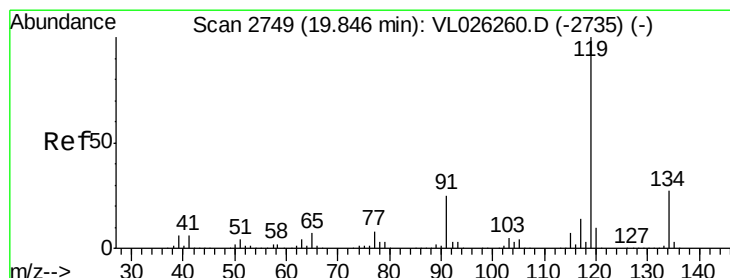
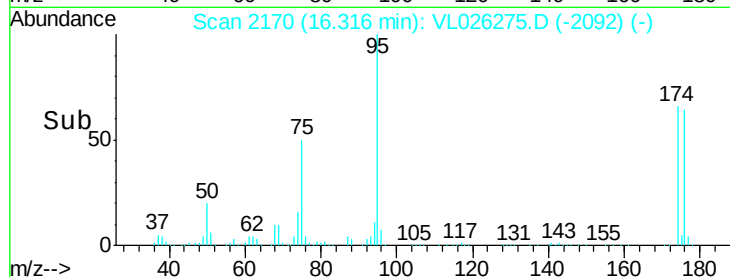
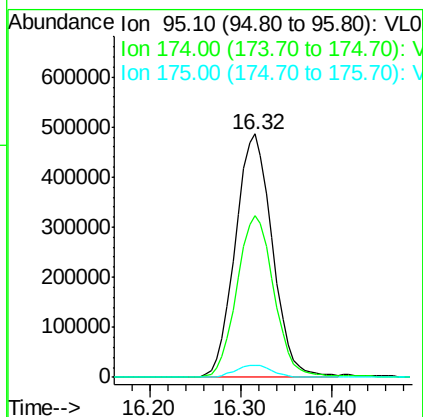
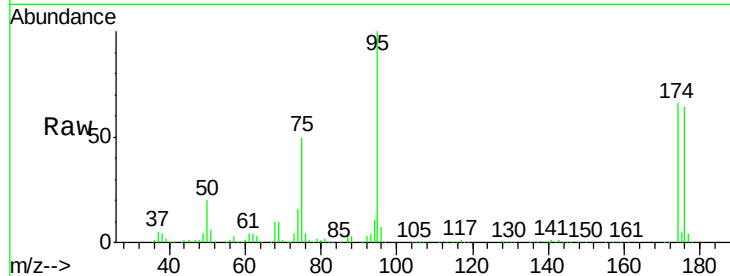




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.14 ppbv
 RT: 16.32 min Scan# 2170
 Delta R.T. -0.02 min
 Lab File: VL026275.D
 Acq: 29 Oct 2015 21:47

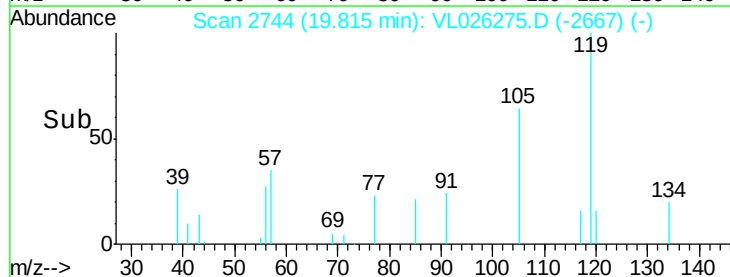
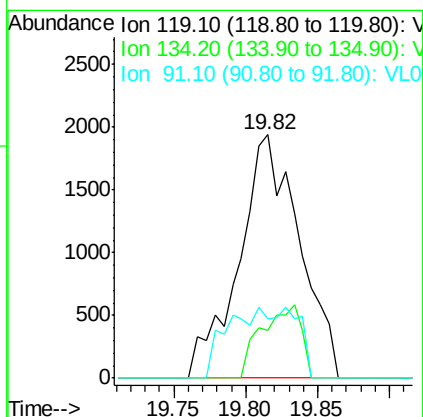
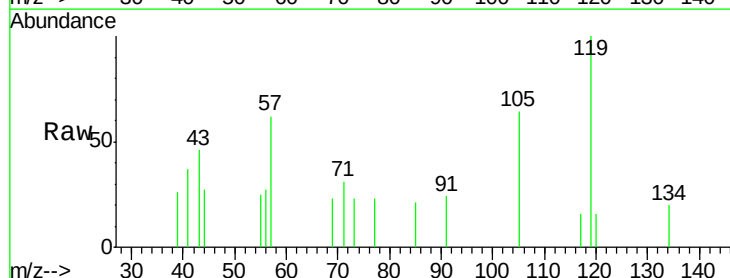
Instrument :
 MSVOA_L
 ClientSampleId :

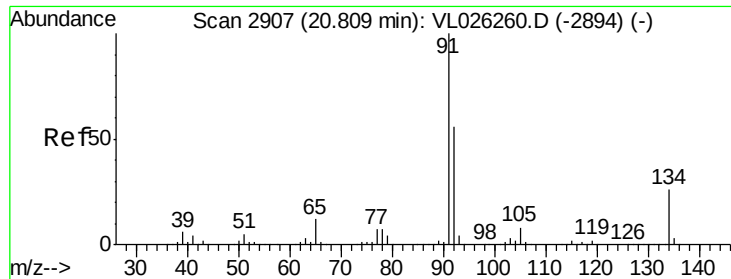
Tot Ion: 95 Resp: 1381407
 Ion Ratio Lower Upper
 95 100
 174 67.0 52.9 79.3
 175 5.0 3.8 5.8



#69
 p-Isopropyltoluene
 Concen: 0.02 ppbv
 RT: 19.82 min Scan# 2744
 Delta R.T. -0.03 min
 Lab File: VL026275.D
 Acq: 29 Oct 2015 21:47

Tgt Ion: 119 Resp: 5661
 Ion Ratio Lower Upper
 119 100
 134 19.8 21.3 31.9#
 91 33.4 19.6 29.4#





#70

n-Butylbenzene

Concen: 0.01 ppbv

RT: 20.78 min Scan# 2903

Delta R.T. -0.02 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Instrument :

MSVOA_L

ClientSampleId :

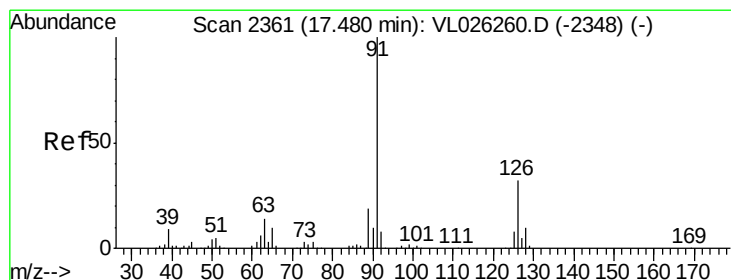
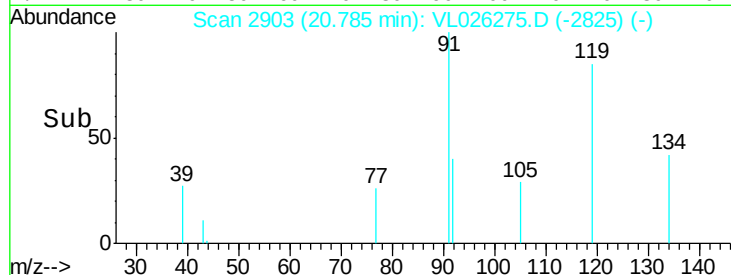
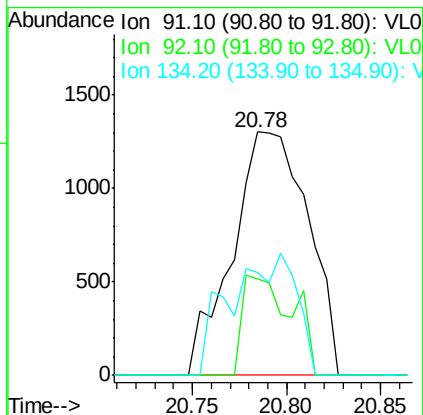
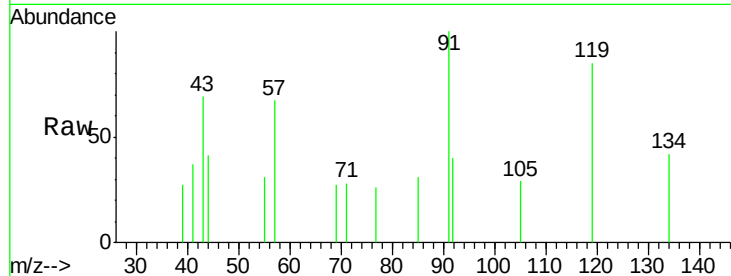
Tot Ion: 91 Resp: 3630

Ion Ratio Lower Upper

91 100

92 26.6 44.9 67.3#

134 43.5 20.5 30.7#



#71

2-Chlorotoluene

Concen: 0.04 ppbv

RT: 17.55 min Scan# 2372

Delta R.T. 0.07 min

Lab File: VL026275.D

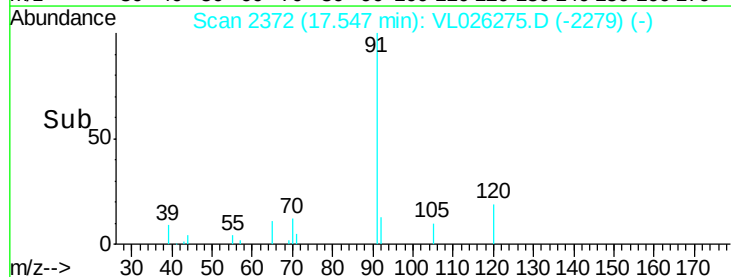
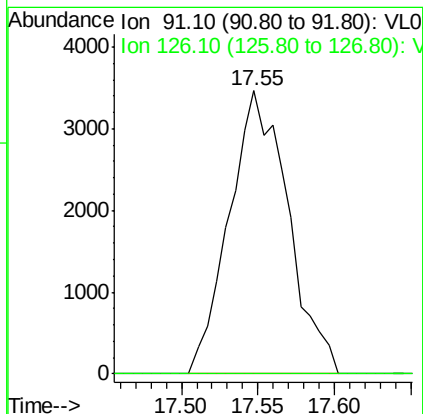
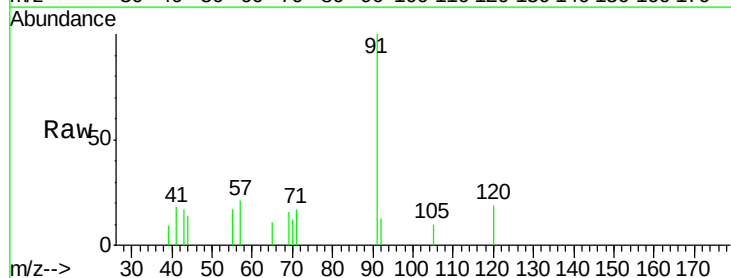
Acq: 29 Oct 2015 21:47

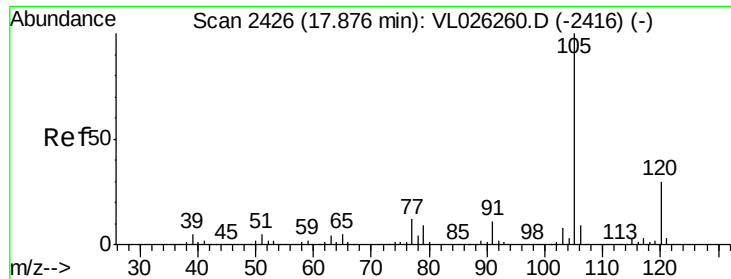
Tgt Ion: 91 Resp: 9263

Ion Ratio Lower Upper

91 100

126 0.0 12.8 51.0#





#72

4-Ethyltoluene

Concen: 0.04 ppbv

RT: 17.85 min Scan# 2422

Delta R.T. -0.02 min

Lab File: VL026275.D

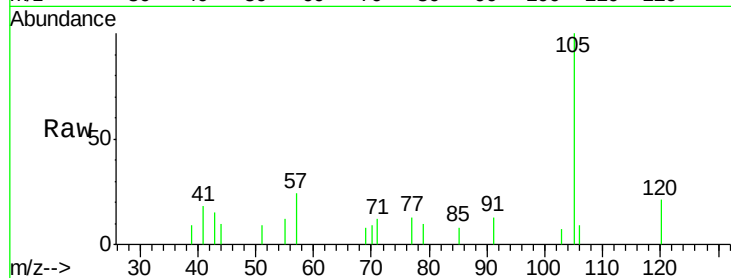
Acq: 29 Oct 2015 21:47

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	12045
Ion	Ratio	Lower	Upper
105	100		
120	24.7	25.1	37.7#
91	0.0	9.1	13.7#
77	11.0	9.7	14.5

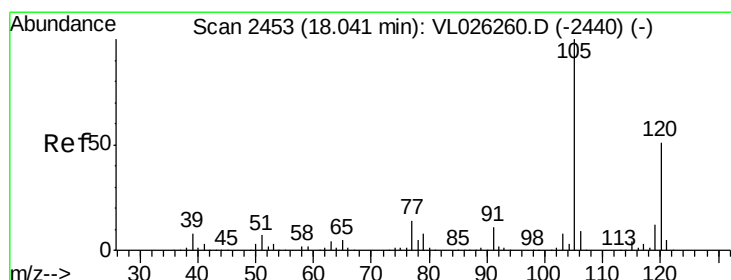
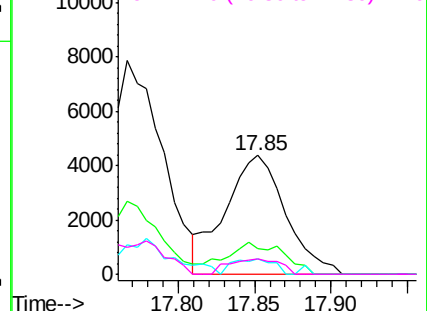
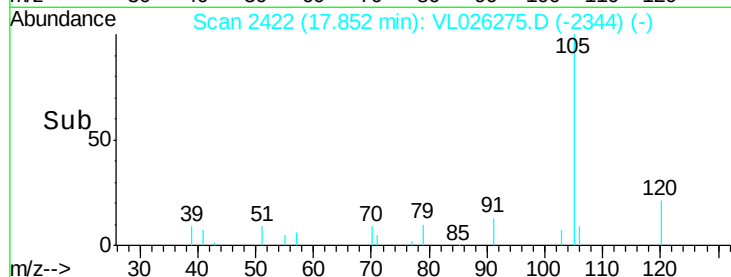


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.04 ppbv

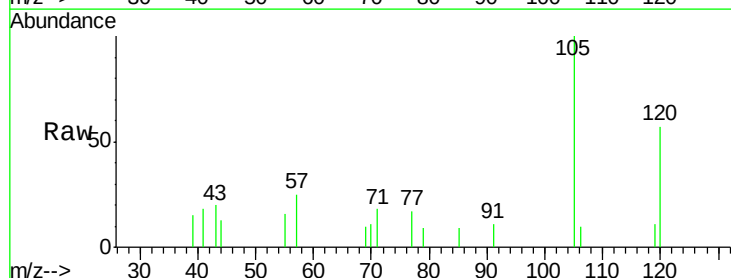
RT: 18.02 min Scan# 2449

Delta R.T. -0.02 min

Lab File: VL026275.D

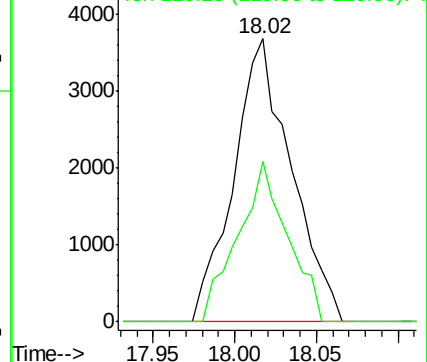
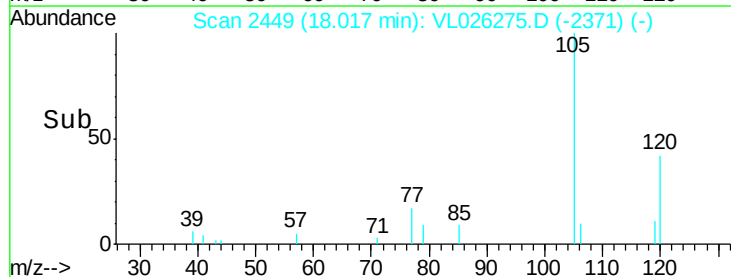
Acq: 29 Oct 2015 21:47

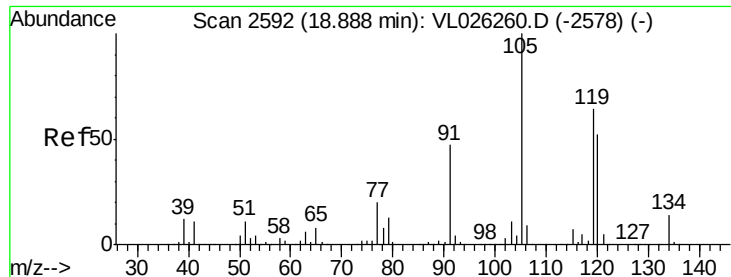
Tgt Ion:	105	Resp:	9066
Ion	Ratio	Lower	Upper
105	100		
120	56.9	40.6	61.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.11 ppbv

RT: 18.86 min Scan# 2587

Delta R.T. -0.03 min

Lab File: VL026275.D

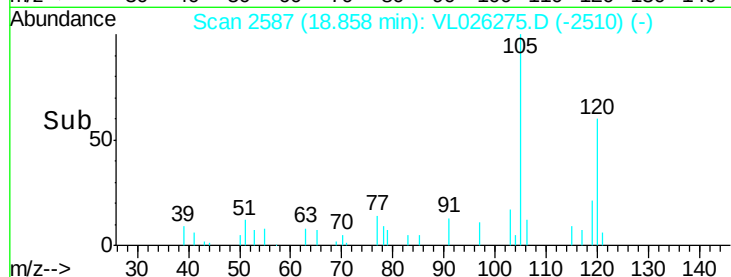
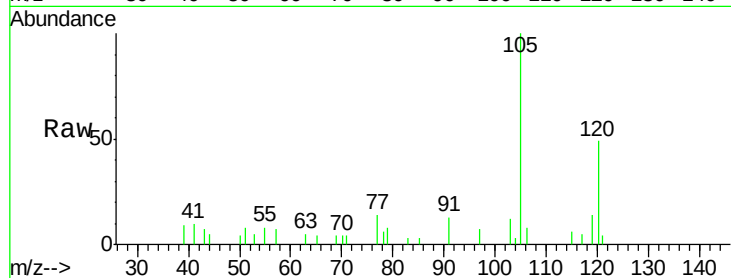
Acq: 29 Oct 2015 21:47

Instrument :

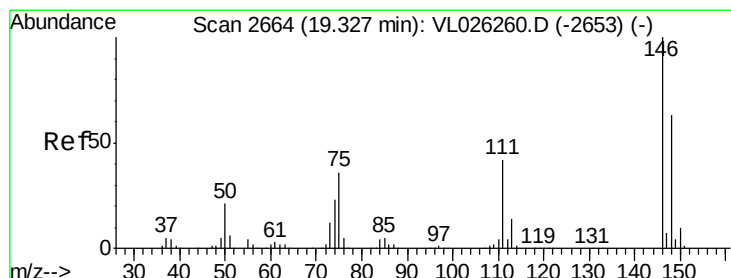
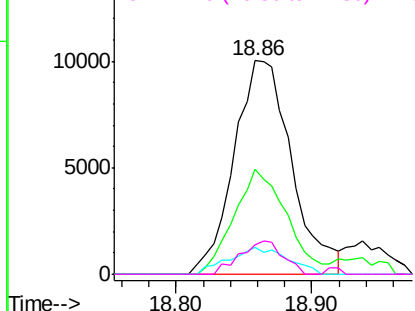
MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	29684
Ion	Ratio	Lower	Upper
105	100		
120	49.4	41.2	61.8
91	12.5	37.8	56.8#
77	13.7	16.1	24.1#



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



#76

1,4-Dichlorobenzene

Concen: 0.01 ppbv

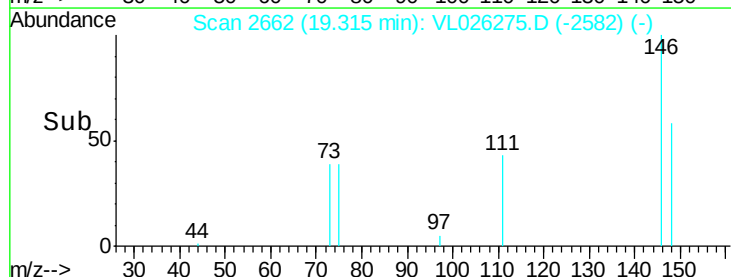
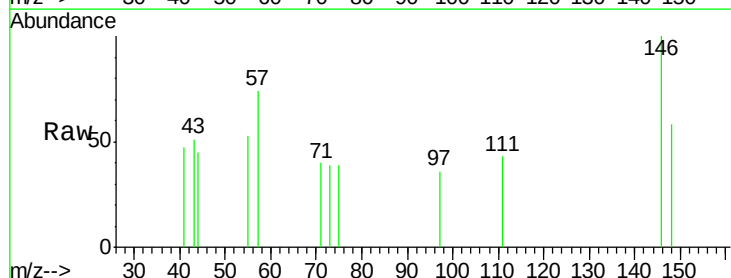
RT: 19.32 min Scan# 2662

Delta R.T. -0.01 min

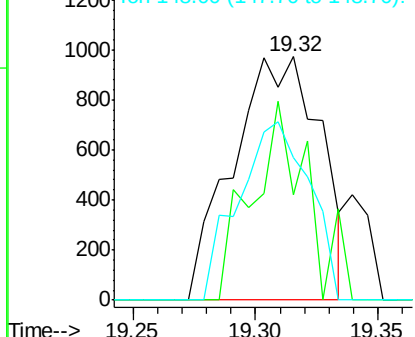
Lab File: VL026275.D

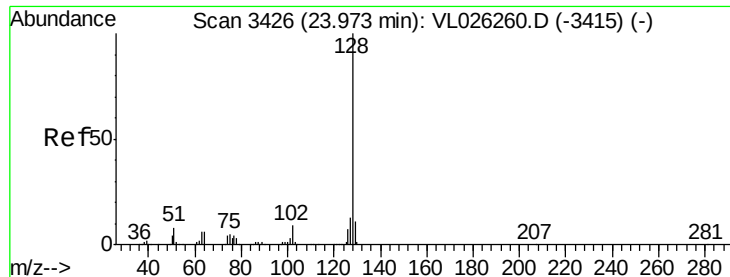
Acq: 29 Oct 2015 21:47

Tgt Ion:	146	Resp:	2426
Ion	Ratio	Lower	Upper
146	100		
111	52.1	21.1	63.4
148	59.7	31.8	95.3



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





#79

Naphthalene

Concen: 0.12 ppbv

RT: 23.96 min Scan# 3424

Delta R.T. -0.01 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

Instrument :

MSVOA_L

ClientSampleId :

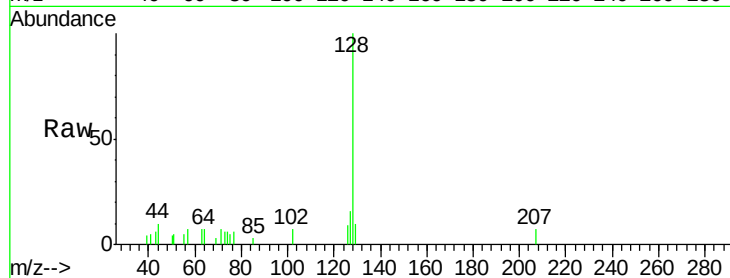
Tot Ion:128 Resp: 23964

Ion Ratio Lower Upper

128 100

127 15.6 10.1 15.1#

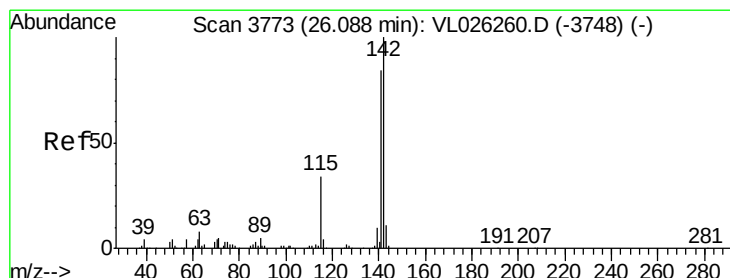
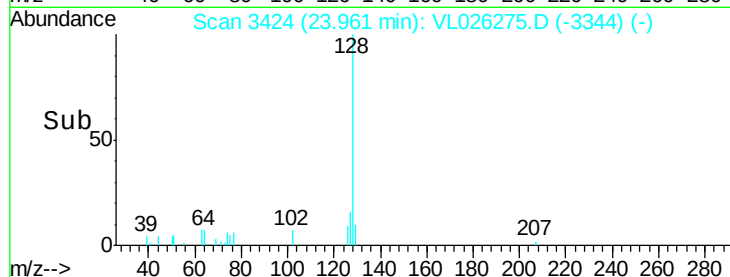
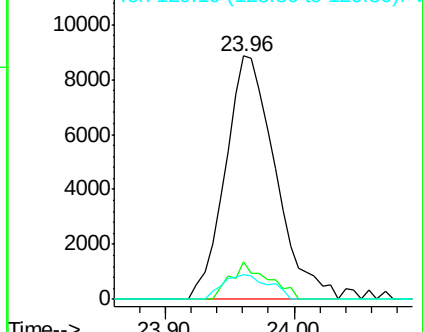
129 10.1 8.8 13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.02 ppbv

RT: 26.08 min Scan# 3772

Delta R.T. -0.01 min

Lab File: VL026275.D

Acq: 29 Oct 2015 21:47

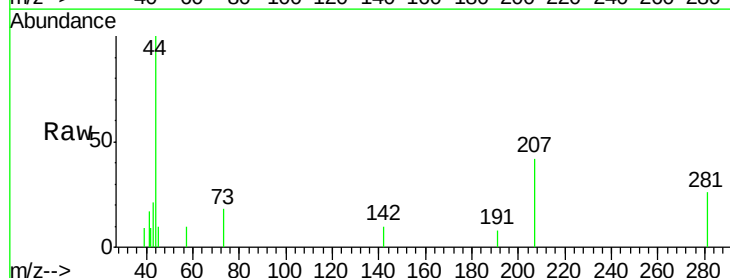
Tgt Ion:142 Resp: 851

Ion Ratio Lower Upper

142 100

141 0.0 66.1 99.1#

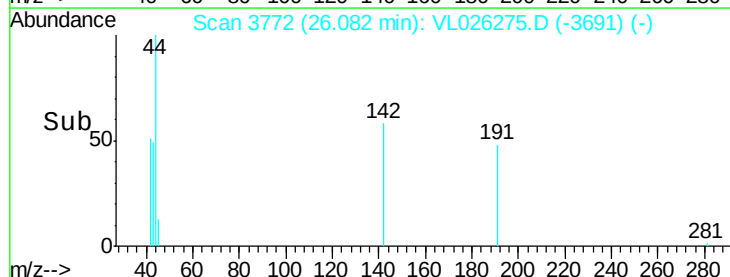
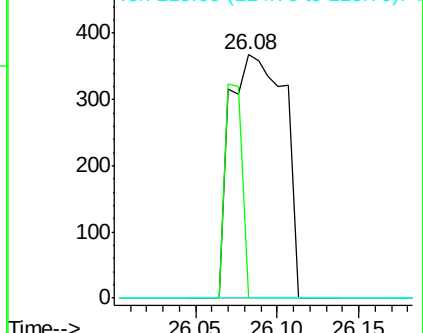
115 0.0 28.1 42.1#

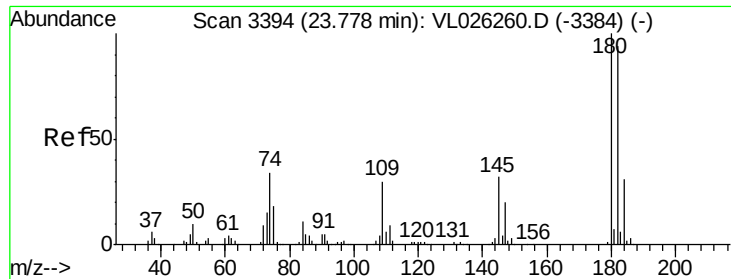


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

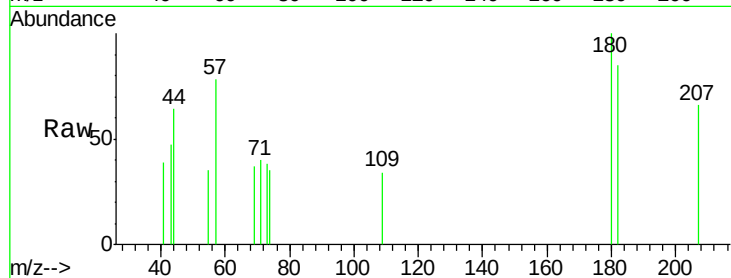
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.02 ppbv
 RT: 23.77 min Scan# 3392
 Delta R.T. -0.01 min
 Lab File: VL026275.D
 Acq: 29 Oct 2015 21:47

Instrument :
 MSVOA_L
 ClientSampleId :



Tot Ion:180 Resp: 2324
 Ion Ratio Lower Upper
 180 100
 182 89.6 76.0 114.0
 184 0.0 24.2 36.4#

