

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026271.D
 Acq On : 29 Oct 2015 19:04
 Operator : SY/AP
 Sample : G4169-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 29 23:02:16 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	6.68	49	569476	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.35	114	1532151	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.78	117	1487443	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.32	95	1163499	10.31	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.67	85	54666	0.45	ppbv	96
3) Chlorodifluoromethane	3.59	51	1070789	14.93	ppbv	100
4) Chloromethane	3.78	50	17294	0.42	ppbv	97
5) Vinyl Chloride	3.64	62	612	0.01	ppbv #	44
8) Dichlorotetrafluoroethane	3.82	85	1510	0.01	ppbv #	74
9) Propene	3.63	41	36960	1.07	ppbv #	71
10) Heptane	9.38	43	5063	0.04	ppbv	95
11) Trichlorofluoromethane	4.72	101	25133	0.22	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.33	101	7819	0.10	ppbv	100
13) Ethanol	4.37	45	18023	3.49	ppbv	91
15) Acetone	4.63	43	244859	3.25	ppbv	91
16) 1,3-Butadiene	4.03	39	20624	0.55	ppbv #	16
17) tert-Butyl alcohol	5.16	59	611	0.01	ppbv #	71
19) Isopropyl Alcohol	4.82	45	12952	0.40	ppbv #	24
20) Methylene Chloride	5.18	84	44965	1.37	ppbv	92
21) Allyl Chloride	5.20	41	1259	0.02	ppbv #	56
23) Vinyl Acetate	6.03	43	22020	0.15	ppbv #	52
25) Ethyl Acetate	6.69	43	11564	0.07	ppbv #	75
26) Hexane	6.69	57	15211	0.20	ppbv #	63
29) Chloroform	6.78	83	2349	0.02	ppbv #	71
30) Cyclohexane	8.34	84	4247	0.06	ppbv #	16
35) Carbon Tetrachloride	8.20	117	6416	0.06	ppbv	91
36) Benzene	8.06	78	38172	0.24	ppbv	99
38) Trichloroethene	9.09	130	1904	0.02	ppbv	89
41) Tetrahydrofuran	7.18	42	814	0.02	ppbv #	36
44) 2,2,4-Trimethylpentane	9.12	57	20374	0.08	ppbv #	82
50) 4-Methyl-2-Pentanone	10.18	43	5671	0.05	ppbv #	85
52) Tetrachloroethene	12.84	164	908	0.01	ppbv	94
53) Toluene	11.27	91	57287	0.27	ppbv	100
58) Ethyl Benzene	14.44	91	14056	0.06	ppbv	93
59) m/p-Xylene	14.72	91	37354	0.19	ppbv #	100
60) o-Xylene	15.52	91	22637	0.11	ppbv	95
61) Styrene	15.35	104	22398	0.26	ppbv	97
62) Isopropylbenzene	16.57	105	5059	0.02	ppbv	96
64) n-propylbenzene	17.56	120	1263	0.02	ppbv #	1
66) Benzyl Chloride	18.87	91	2396	0.03	ppbv #	87
70) n-Butylbenzene	20.80	91	2929	0.01	ppbv #	44
71) 2-Chlorotoluene	17.57	91	8496	0.04	ppbv #	43
72) 4-Ethyltoluene	17.85	105	10752	0.05	ppbv #	92
73) 1,3,5-Trimethylbenzene	18.03	105	8294	0.04	ppbv	90
74) 1,2,4-Trimethylbenzene	18.87	105	29619	0.13	ppbv #	72

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Oct 29 23:02:16 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 29 14:29:54 2015
QLast Update : Thu Oct 29 14:29:54 2015
Response via : Initial Calibration

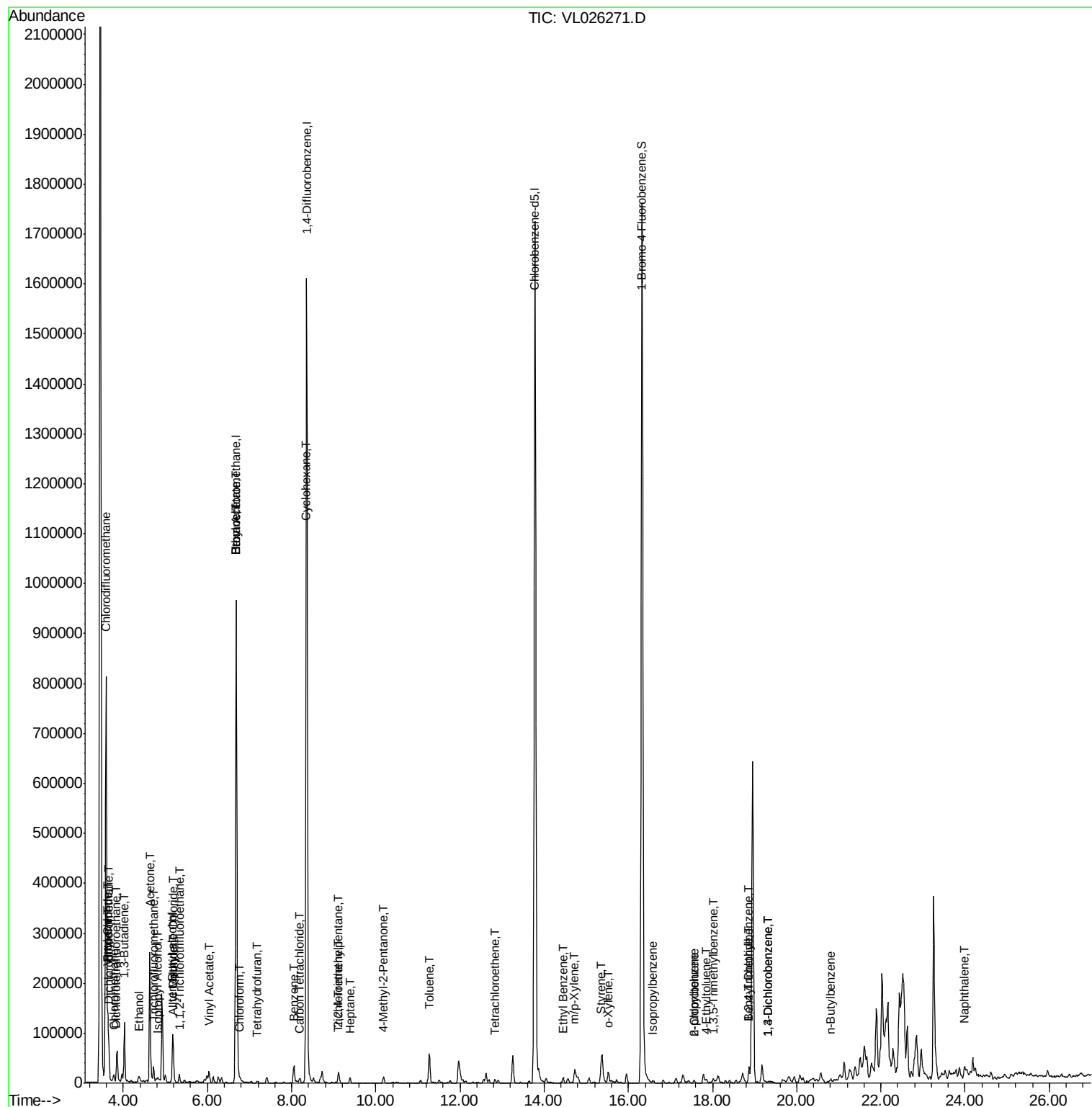
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,3-Dichlorobenzene	19.32	146	1670	0.01	ppbv #	41
76) 1,4-Dichlorobenzene	19.32	146	1670	0.01	ppbv #	25
79) Naphthalene	23.97	128	11712	0.07	ppbv	96

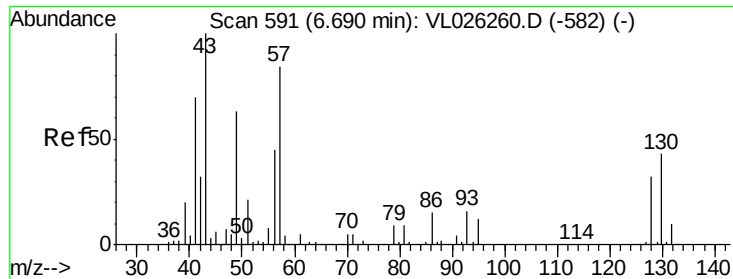
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 29 14:29:54 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.68 min Scan# 590

Delta R.T. -0.01 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Instrument :
MSVOA_L
ClientSampled :

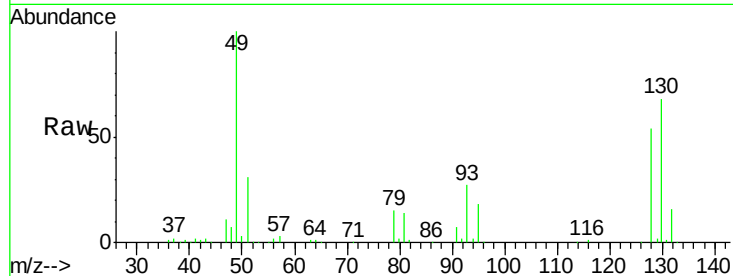
Tot Ion: 49 Resp: 569476

Ion Ratio Lower Upper

49 100

128 53.2 26.7 80.1

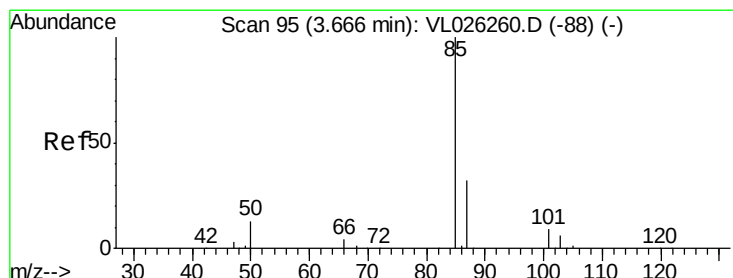
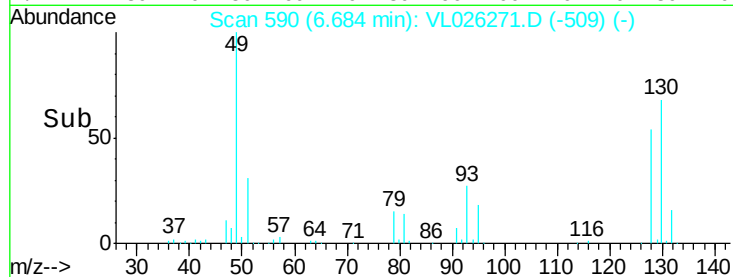
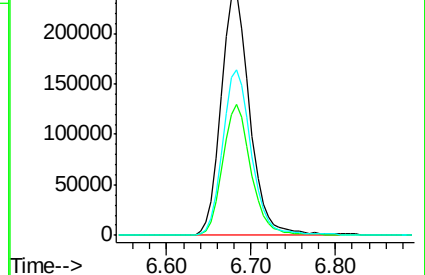
130 68.3 34.4 103.2



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: 0.45 ppbv

RT: 3.67 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL026271.D

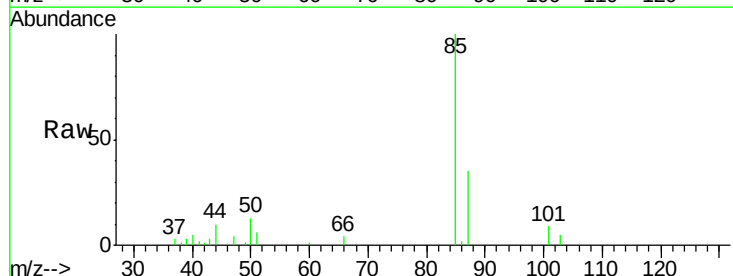
Acq: 29 Oct 2015 19:04

Tgt Ion: 85 Resp: 54666

Ion Ratio Lower Upper

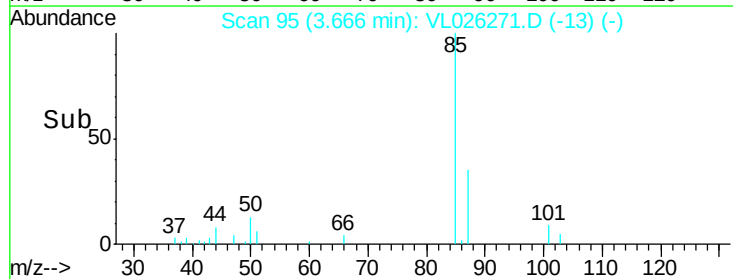
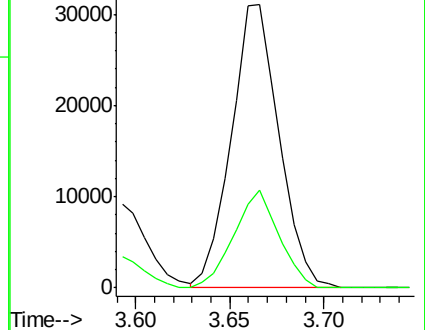
85 100

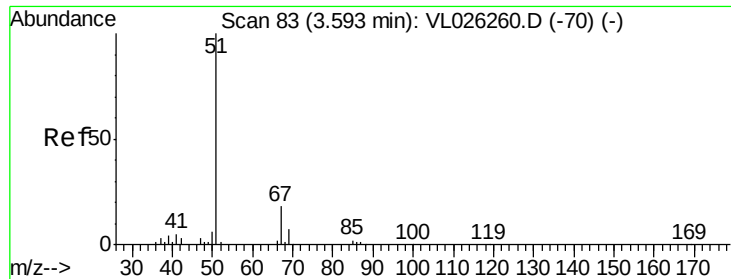
87 34.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 14.93 ppbv

RT: 3.59 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Instrument :

MSVOA_L

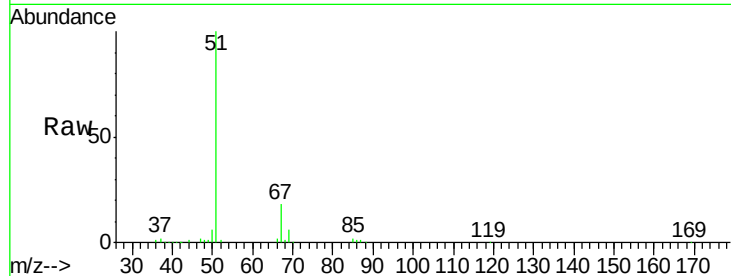
ClientSampleId :

Tot Ion: 51 Resp: 1070789

Ion Ratio Lower Upper

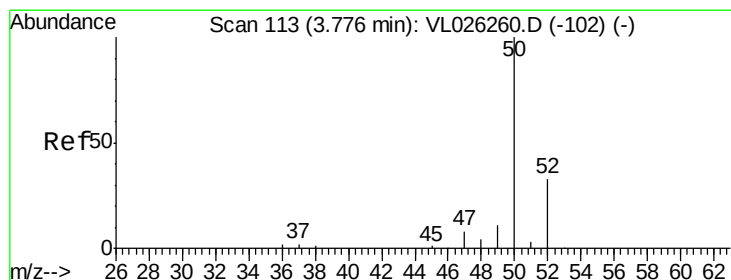
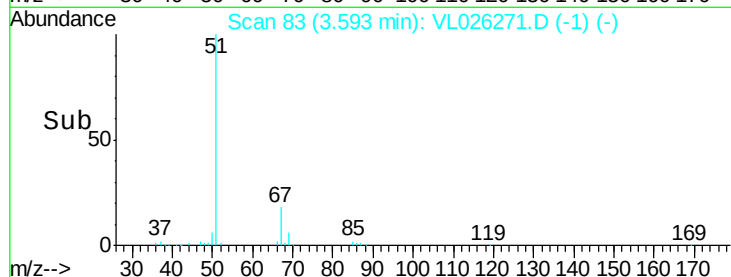
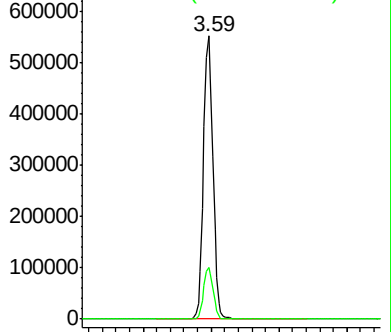
51 100

67 18.2 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: 0.42 ppbv

RT: 3.78 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL026271.D

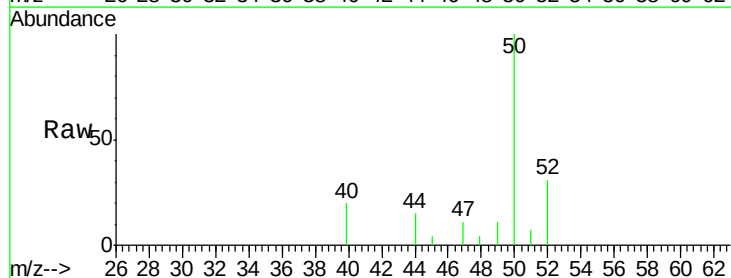
Acq: 29 Oct 2015 19:04

Tgt Ion: 50 Resp: 17294

Ion Ratio Lower Upper

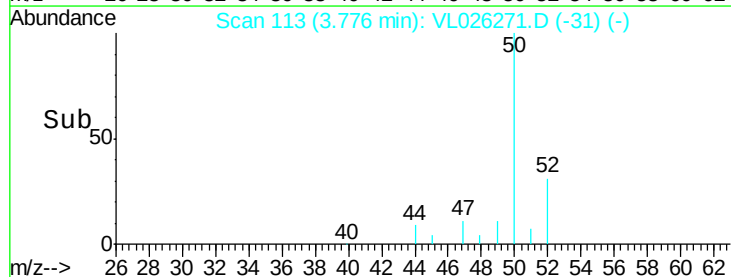
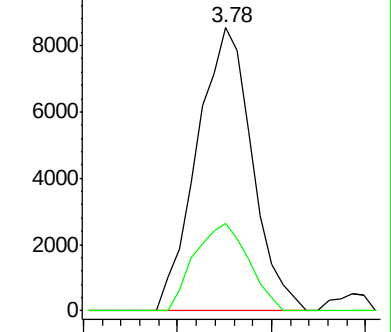
50 100

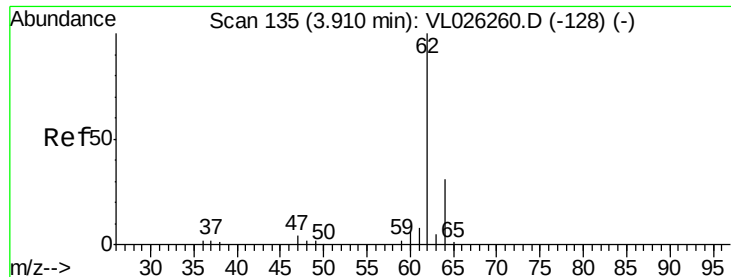
52 30.9 26.1 39.1



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: 3.64 min Scan# 90

Delta R.T. -0.27 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Instrument :

MSVOA_L

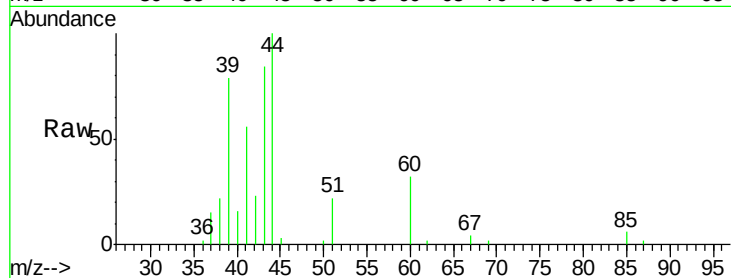
ClientSampleId :

Tot Ion: 62 Resp: 612

Ion Ratio Lower Upper

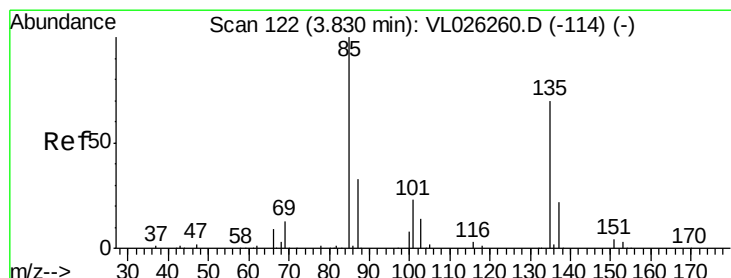
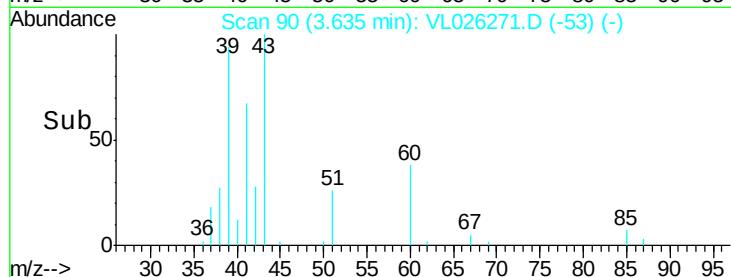
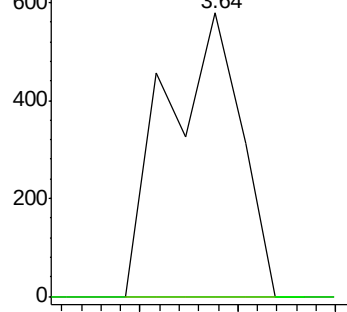
62 100

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



#8

Dichlorotetrafluoroethane

Concen: 0.01 ppbv

RT: 3.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL026271.D

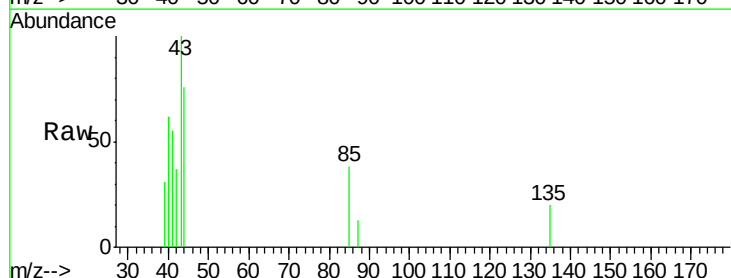
Acq: 29 Oct 2015 19:04

Tgt Ion: 85 Resp: 1510

Ion Ratio Lower Upper

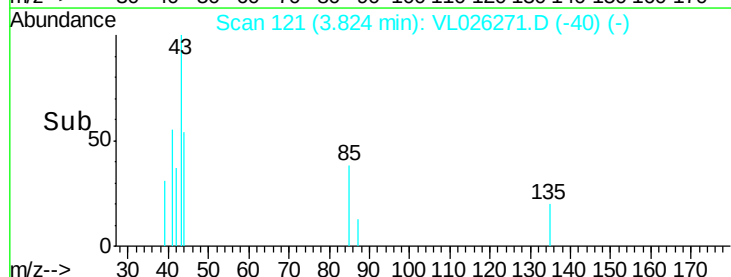
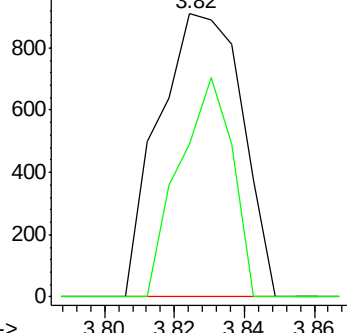
85 100

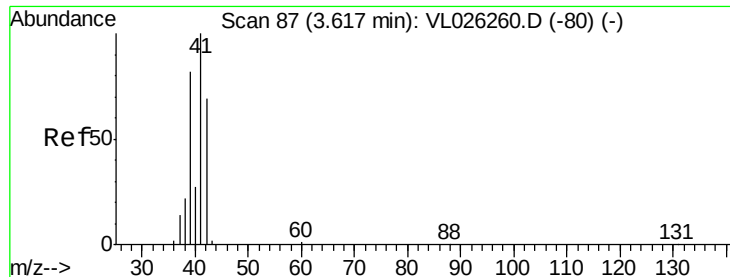
135 49.5 56.6 84.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0





#9

Propene

Concen: 1.07 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

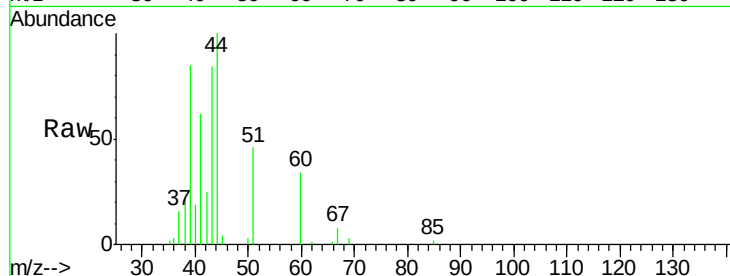
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 36960

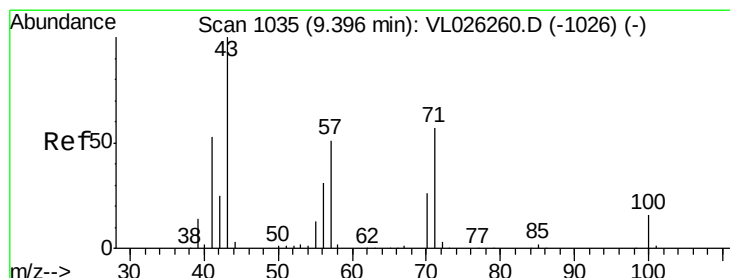
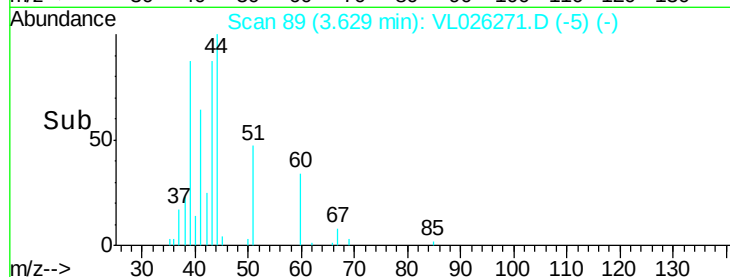
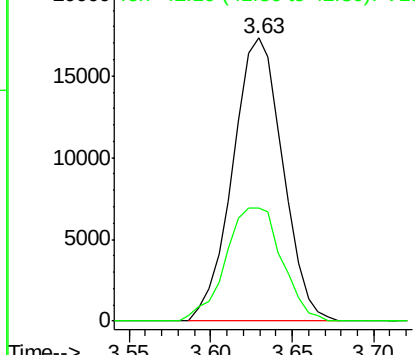
Ion Ratio Lower Upper

41 100

42 44.9 54.5 81.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.04 ppbv

RT: 9.38 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VL026271.D

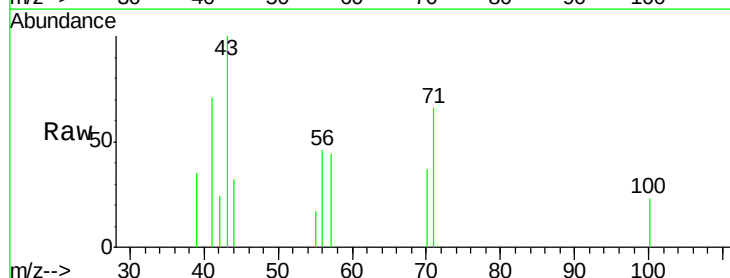
Acq: 29 Oct 2015 19:04

Tgt Ion: 43 Resp: 5063

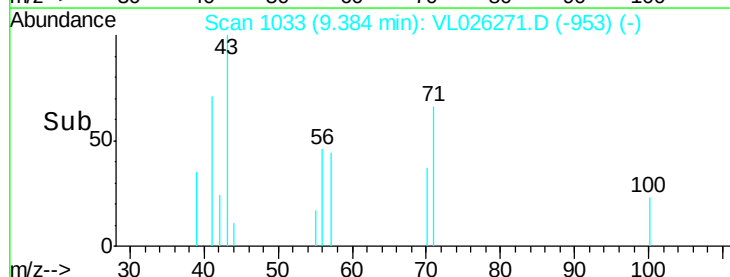
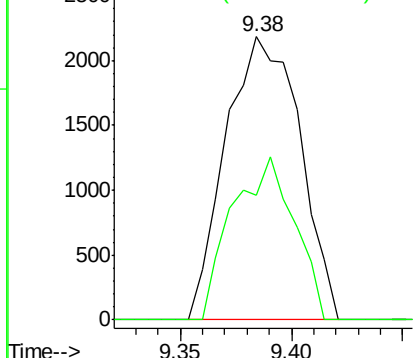
Ion Ratio Lower Upper

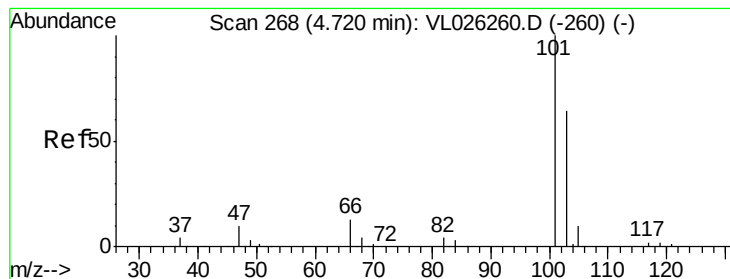
43 100

57 48.2 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.22 ppbv

RT: 4.72 min Scan# 268

Delta R.T. 0.00 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Instrument :

MSVOA_L

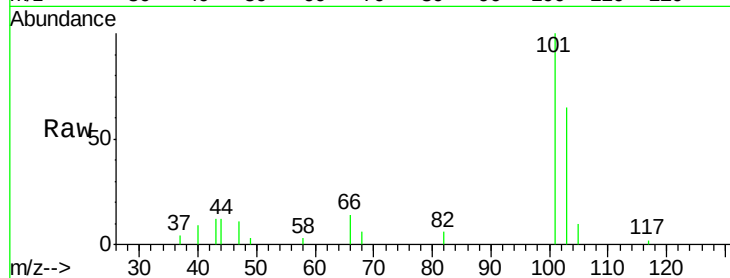
ClientSampled :

Tot Ion:101 Resp: 25133

Ion Ratio Lower Upper

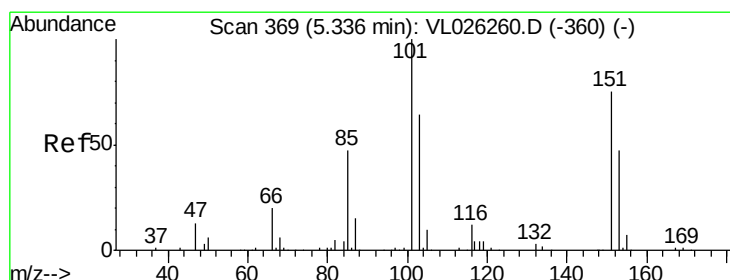
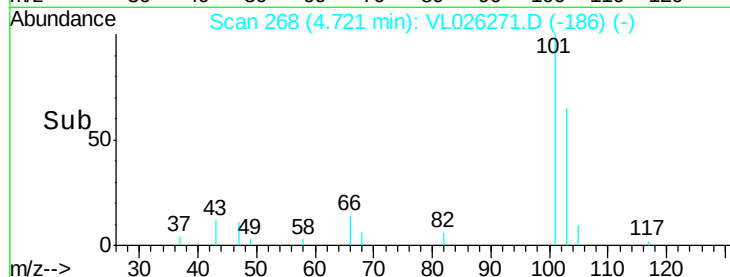
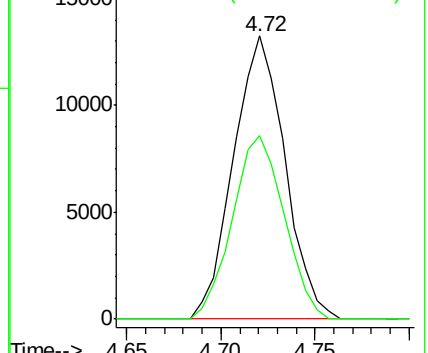
101 100

103 64.7 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.10 ppbv

RT: 5.33 min Scan# 368

Delta R.T. -0.01 min

Lab File: VL026271.D

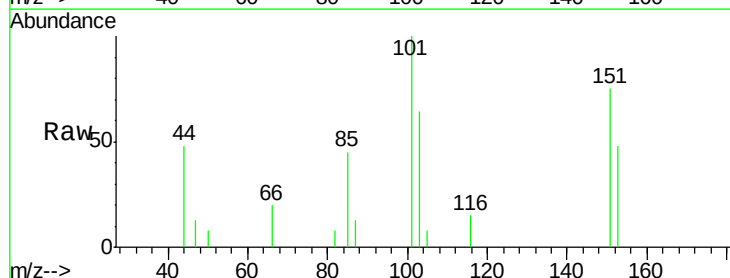
Acq: 29 Oct 2015 19:04

Tgt Ion:101 Resp: 7819

Ion Ratio Lower Upper

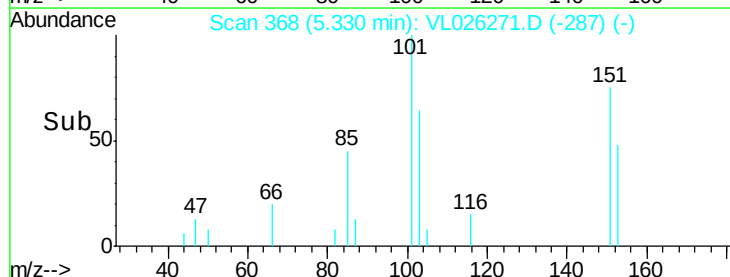
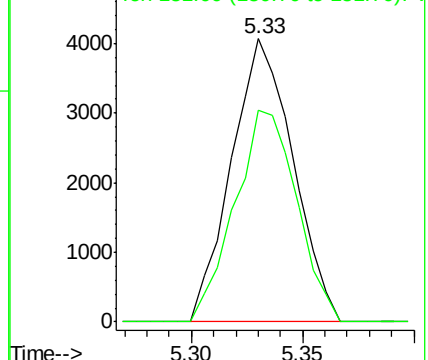
101 100

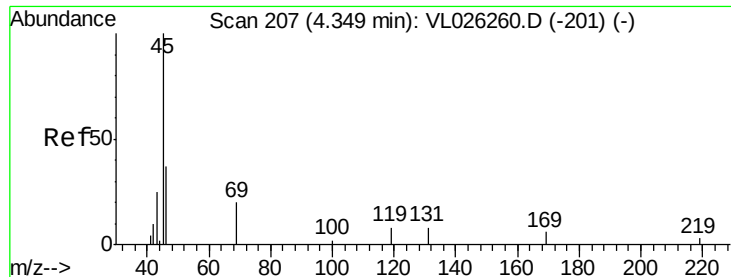
151 75.2 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

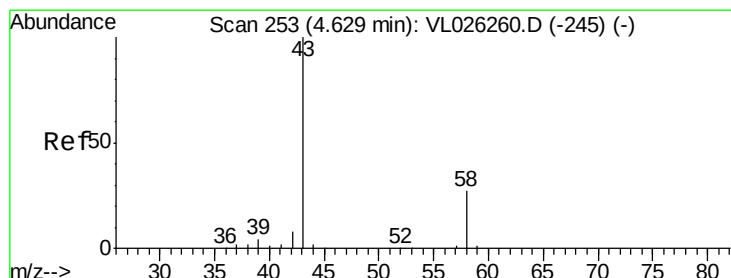
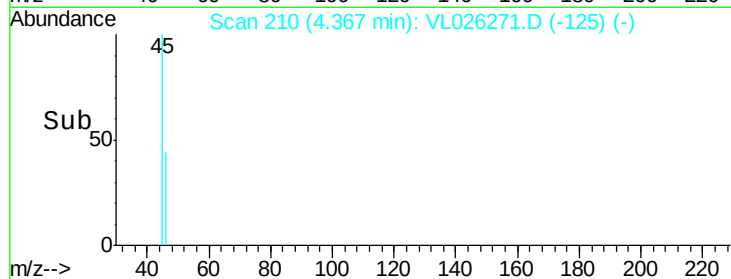
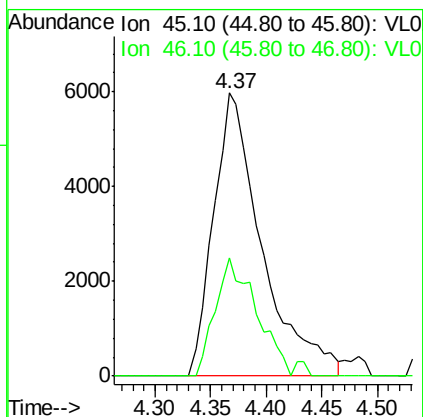
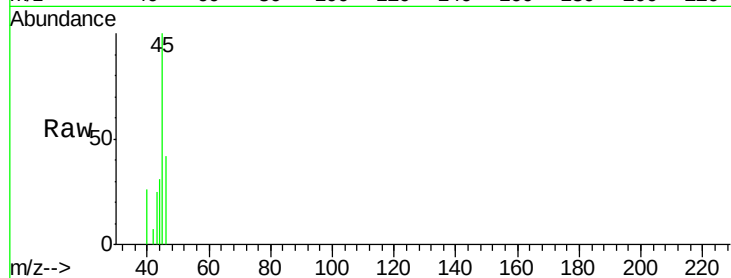




#13
Ethanol
Concen: 3.49 ppbv
RT: 4.37 min Scan# 210
Delta R.T. 0.02 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

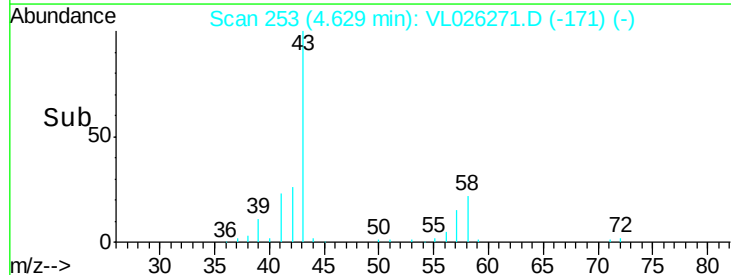
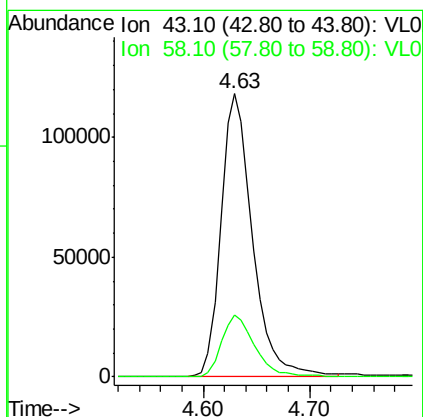
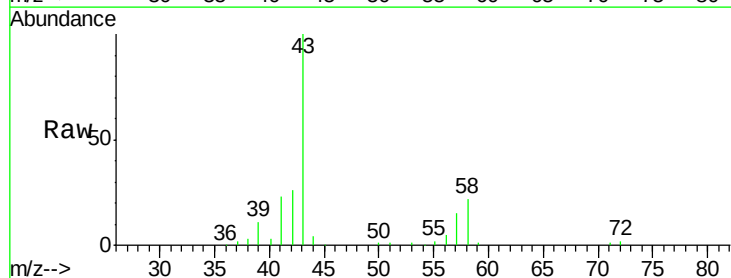
Instrument :
MSVOA_L
ClientSampleId :

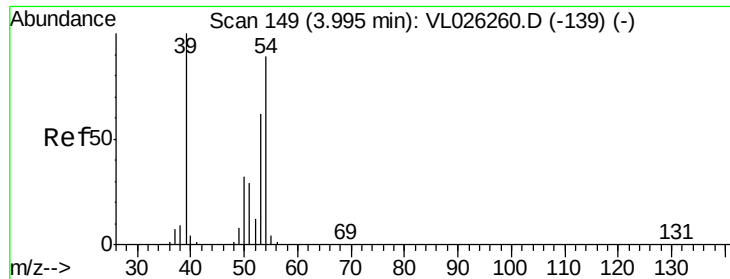
Tot Ion: 45 Resp: 18023
Ion Ratio Lower Upper
45 100
46 36.9 17.0 68.0



#15
Acetone
Concen: 3.25 ppbv
RT: 4.63 min Scan# 253
Delta R.T. 0.00 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

Tgt Ion: 43 Resp: 244859
Ion Ratio Lower Upper
43 100
58 23.3 22.3 33.5

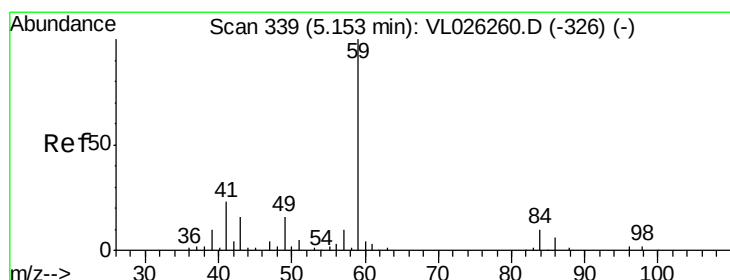
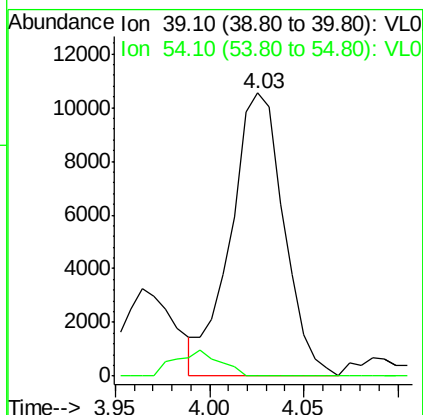
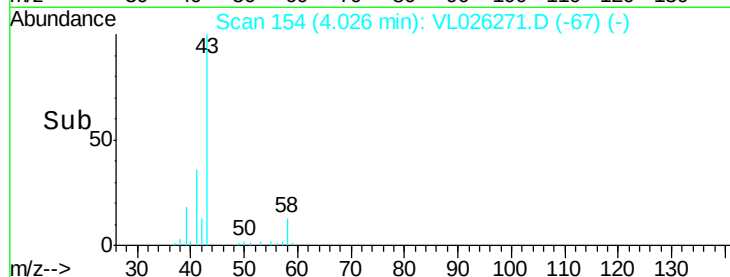
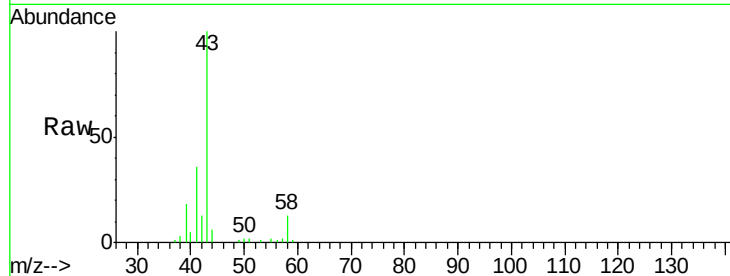




#16
1,3-Butadiene
Concen: 0.55 ppbv
RT: 4.03 min Scan# 154
Delta R.T. 0.03 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

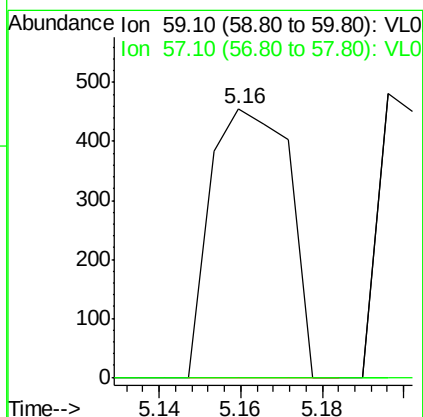
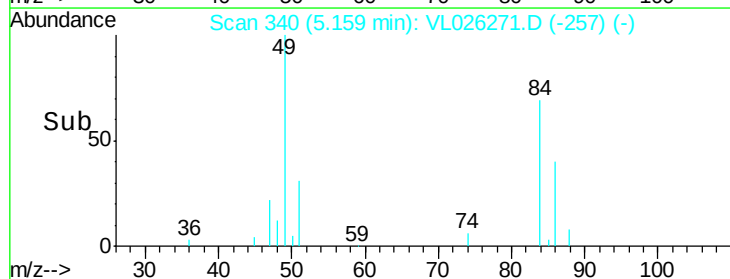
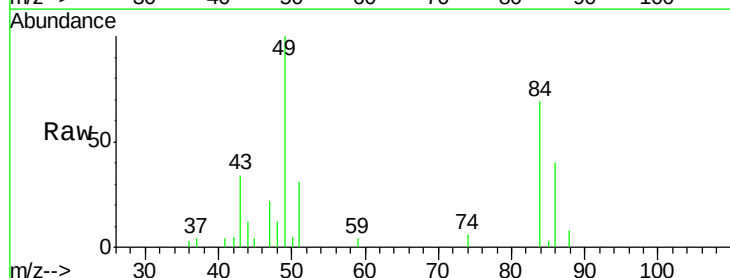
Instrument :
MSVOA_L
ClientSampleId :

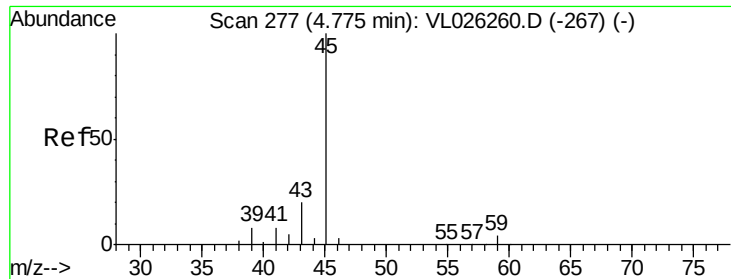
Tot Ion: 39 Resp: 20624
Ion Ratio Lower Upper
39 100
54 7.6 67.3 100.9#



#17
tert-Butyl alcohol
Concen: 0.01 ppbv
RT: 5.16 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

Tgt Ion: 59 Resp: 611
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#19

Isopropyl Alcohol

Concen: 0.40 ppbv

RT: 4.82 min Scan# 284

Delta R.T. 0.04 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Instrument :

MSVOA_L

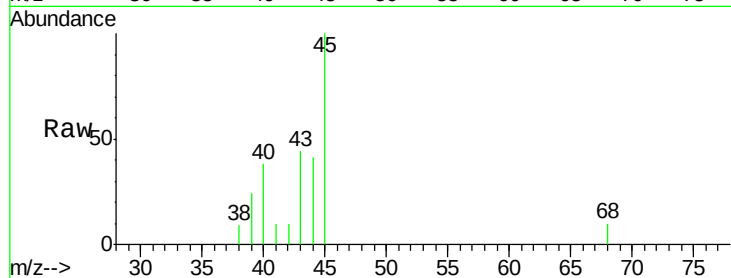
ClientSampleId :

Tot Ion: 45 Resp: 12952

Ion Ratio Lower Upper

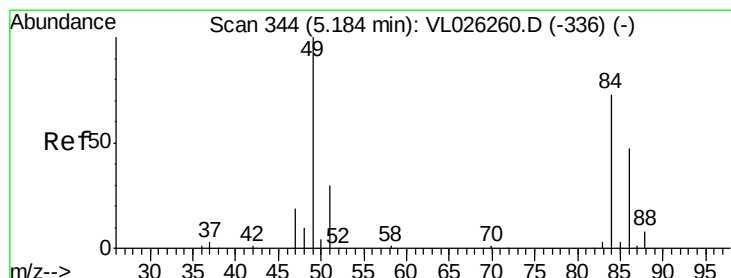
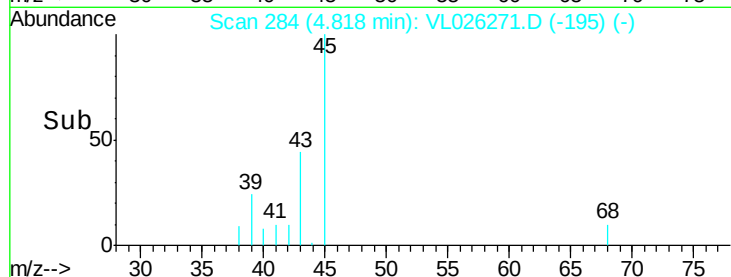
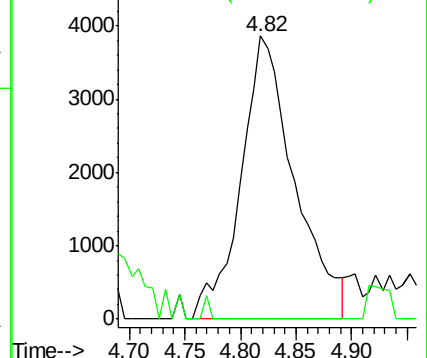
45 100

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: 1.37 ppbv

RT: 5.18 min Scan# 343

Delta R.T. -0.01 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Tgt Ion: 84 Resp: 44965

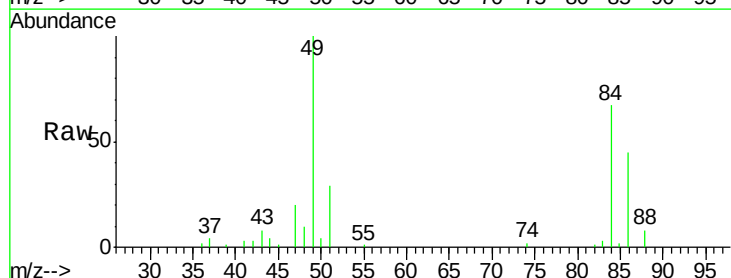
Ion Ratio Lower Upper

84 100

49 148.8 109.0 163.4

51 42.8 32.8 49.2

86 67.0 50.8 76.2

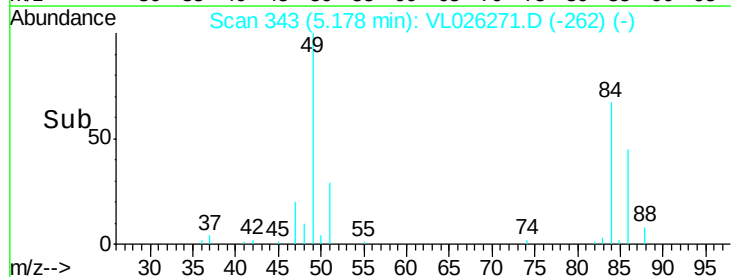
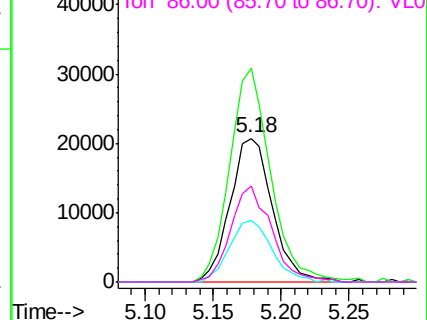


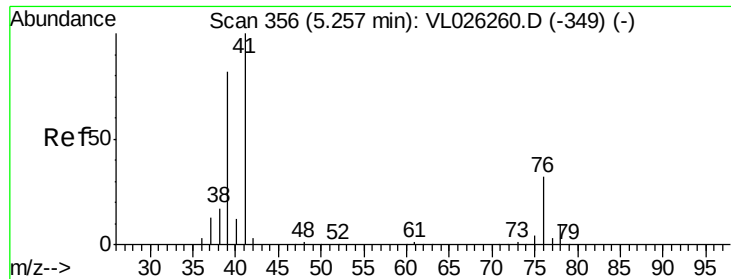
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 0.02 ppbv

RT: 5.20 min Scan# 347

Delta R.T. -0.05 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Instrument :

MSVOA_L

ClientSampled :

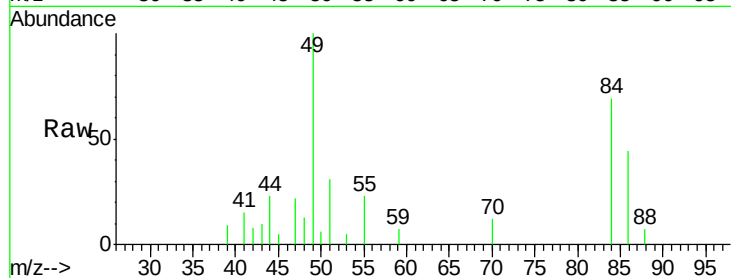
Tot Ion: 41 Resp: 1259

Ion Ratio Lower Upper

41 100

76 0.0 25.9 38.9#

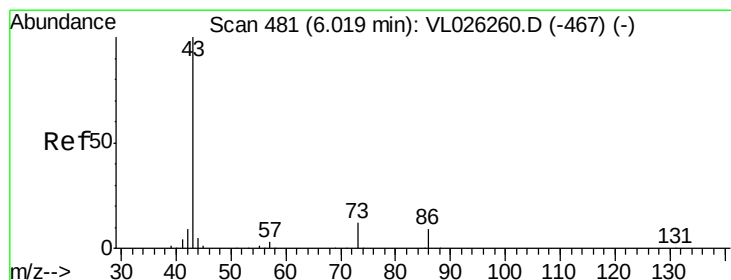
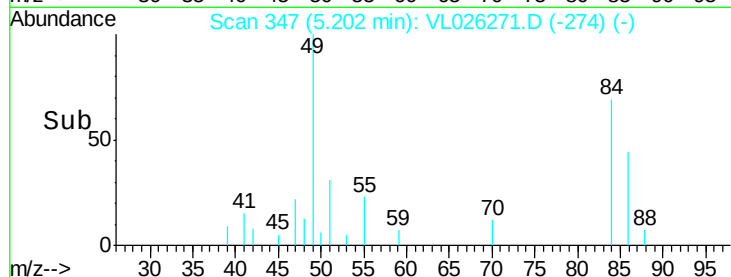
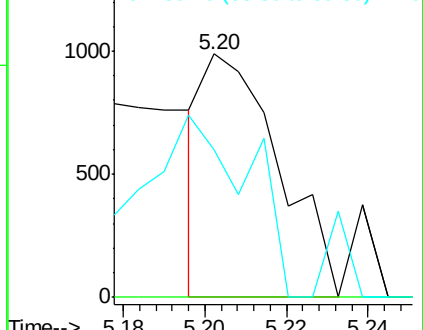
39 117.3 65.8 98.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 0.15 ppbv

RT: 6.03 min Scan# 483

Delta R.T. 0.01 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Tgt Ion: 43 Resp: 22020

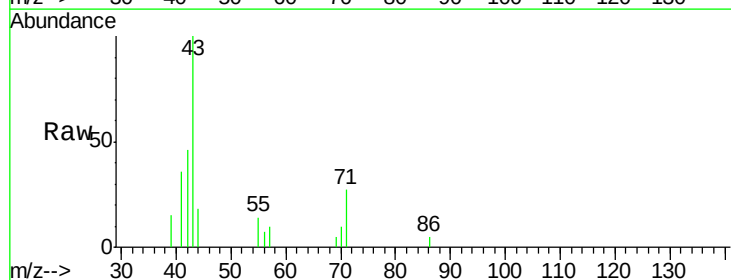
Ion Ratio Lower Upper

43 100

86 5.4 7.3 10.9#

42 48.6 7.2 10.8#

44 5.7 3.8 5.8

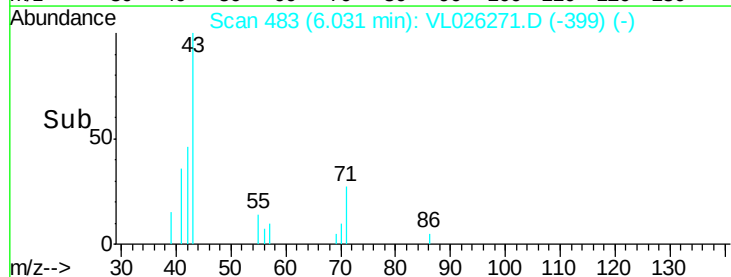
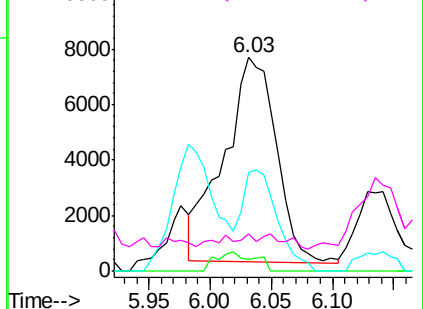


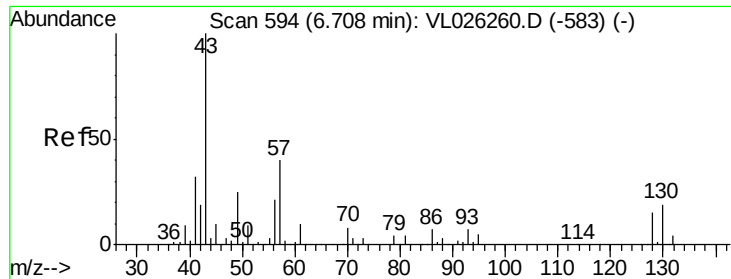
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.07 ppbv

RT: 6.69 min Scan# 591

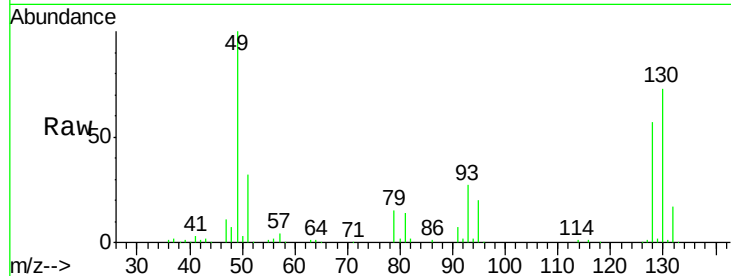
Delta R.T. -0.02 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	11564
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.6	11.4#
61	0.0	7.4	11.2#
70	0.0	6.7	10.1#



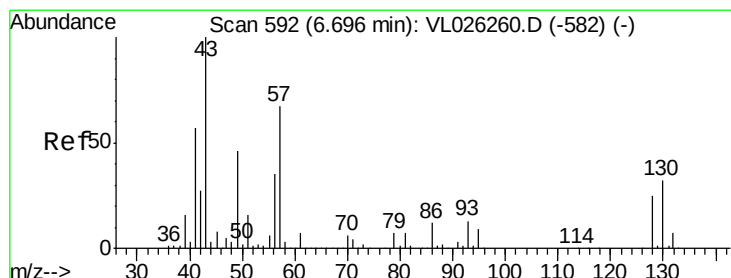
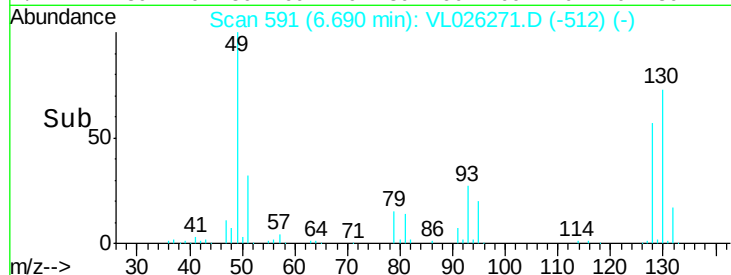
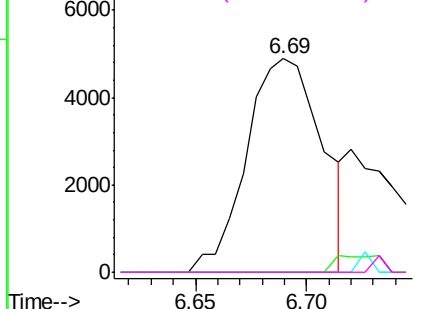
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.20 ppbv

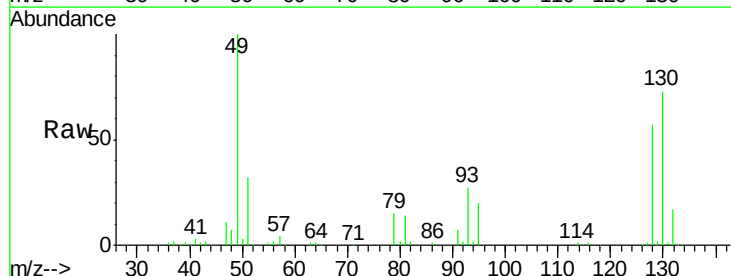
RT: 6.69 min Scan# 591

Delta R.T. -0.01 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Tgt Ion:	57	Resp:	15211
Ion	Ratio	Lower	Upper
57	100		
41	86.1	67.4	101.2
43	112.4	163.9	245.9#
56	54.8	42.2	63.2



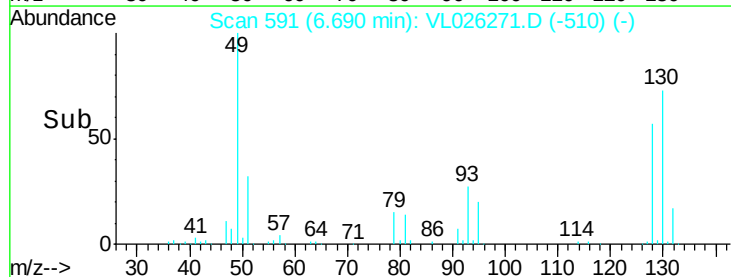
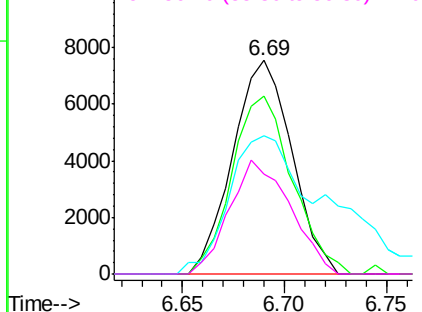
Abundance

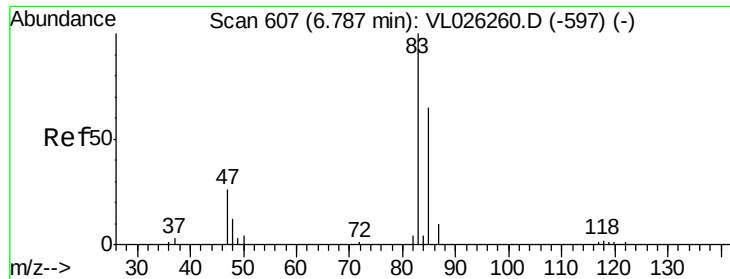
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

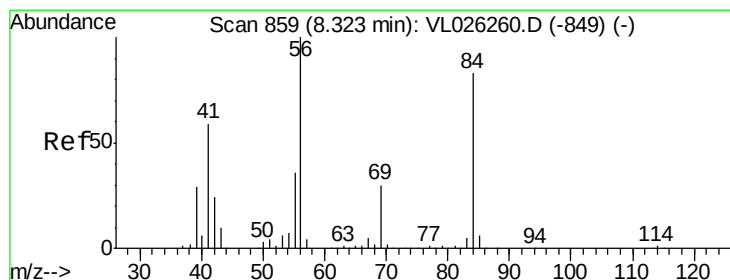
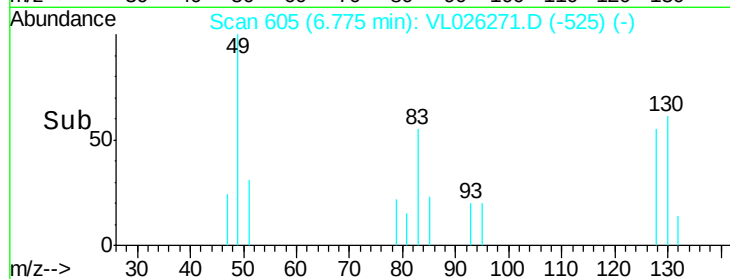
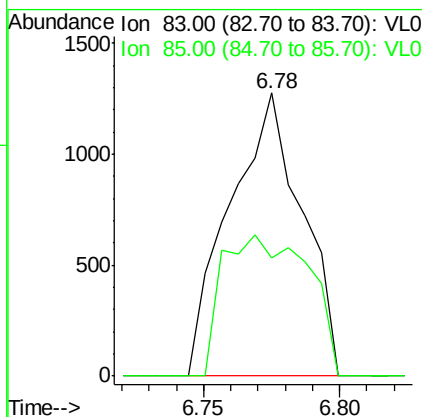
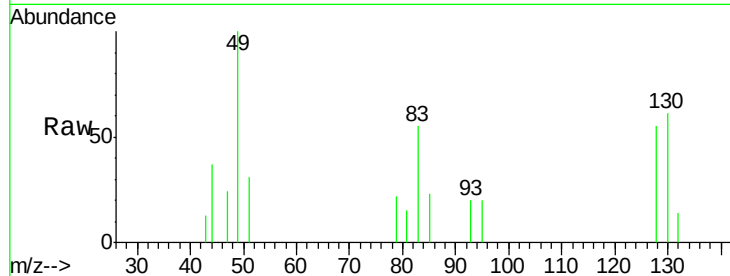




#29
Chloroform
Concen: 0.02 ppbv
RT: 6.78 min Scan# 605
Delta R.T. -0.01 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

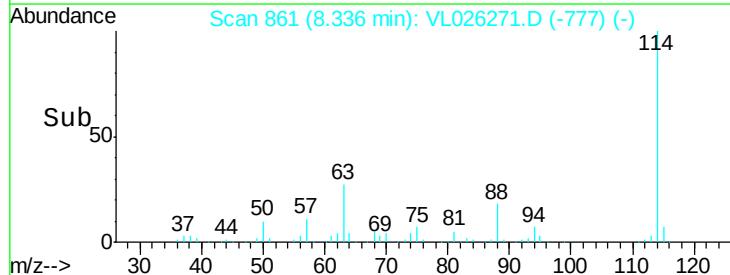
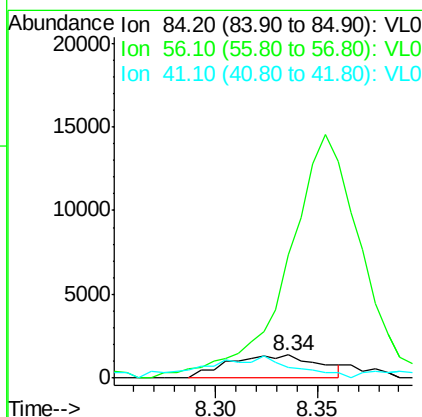
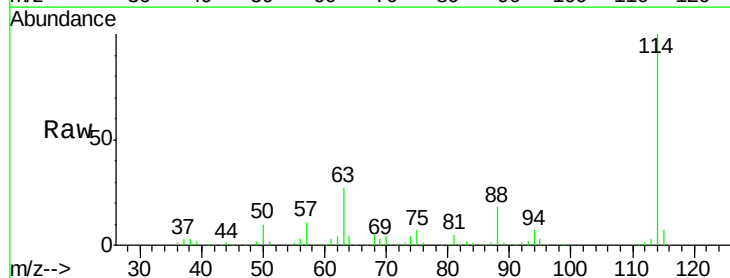
Instrument :
MSVOA_L
ClientSampled :

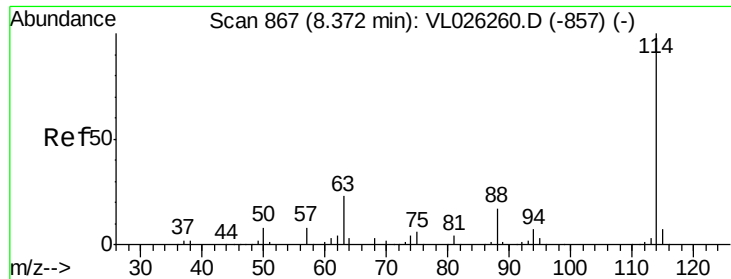
Tot Ion: 83 Resp: 2349
Ion Ratio Lower Upper
83 100
85 41.8 52.0 78.0#



#30
Cyclohexane
Concen: 0.06 ppbv
RT: 8.34 min Scan# 861
Delta R.T. 0.01 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

Tgt Ion: 84 Resp: 4247
Ion Ratio Lower Upper
84 100
56 0.0 99.6 149.4#
41 103.4 56.7 85.1#

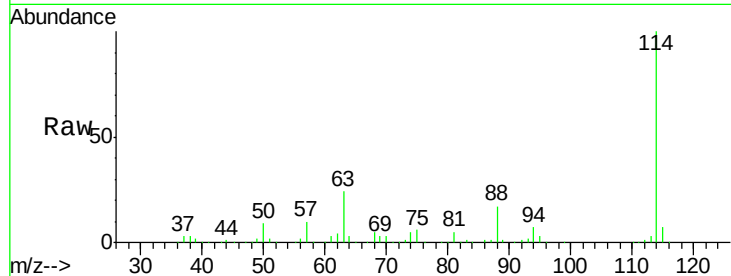




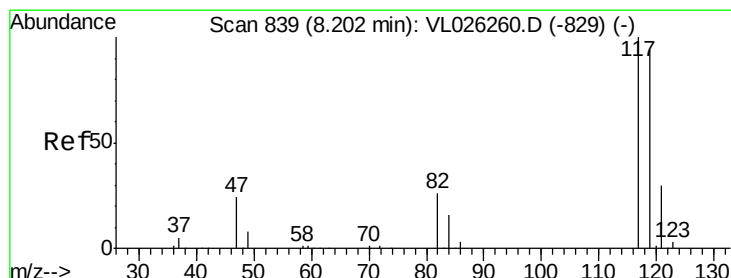
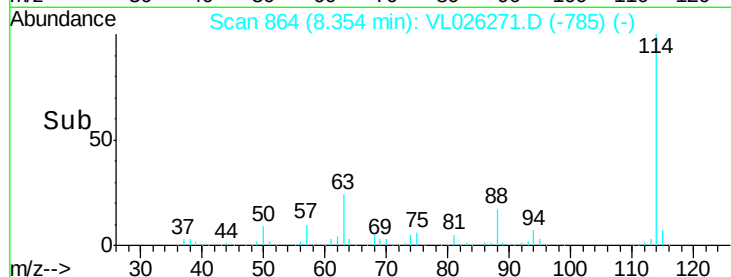
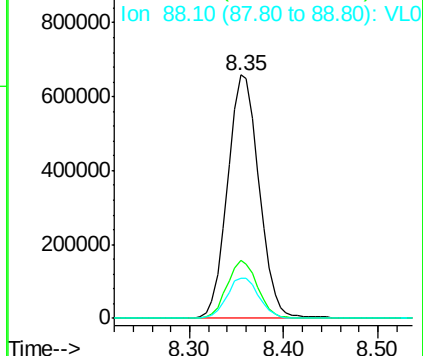
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.35 min Scan# 864
 Delta R.T. -0.02 min
 Lab File: VL026271.D
 Acq: 29 Oct 2015 19:04

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 1532151
 Ion Ratio Lower Upper
 114 100
 63 23.2 18.6 28.0
 88 16.9 13.4 20.2

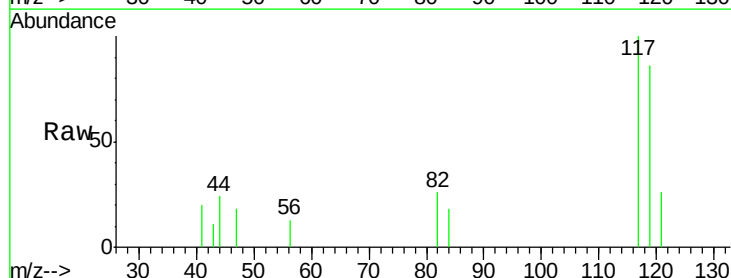


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

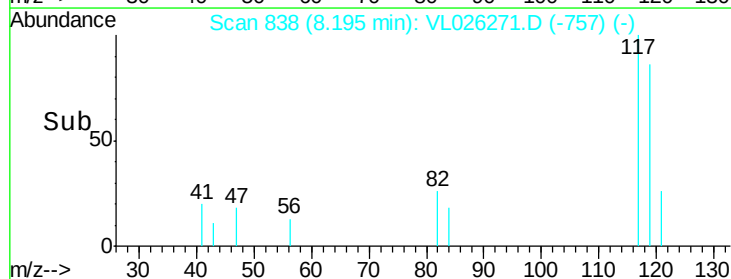
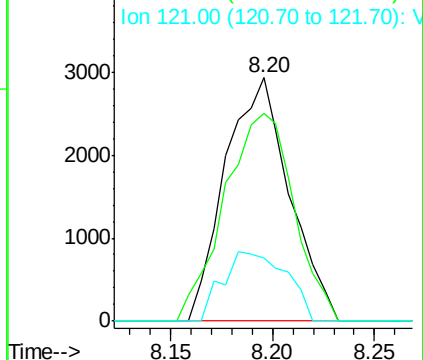


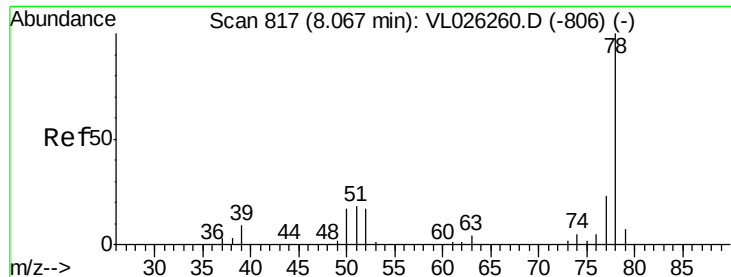
#35
 Carbon Tetrachloride
 Concen: 0.06 ppbv
 RT: 8.20 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: VL026271.D
 Acq: 29 Oct 2015 19:04

Tgt Ion:117 Resp: 6416
 Ion Ratio Lower Upper
 117 100
 119 85.6 75.2 112.8
 121 26.0 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V

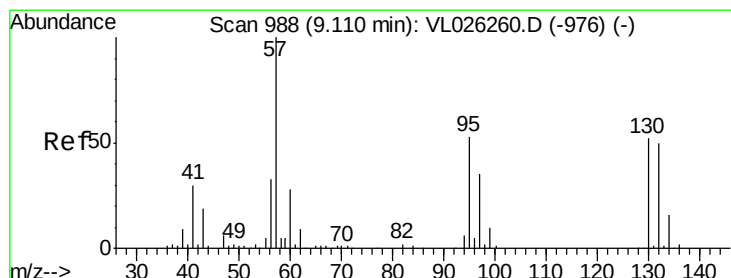
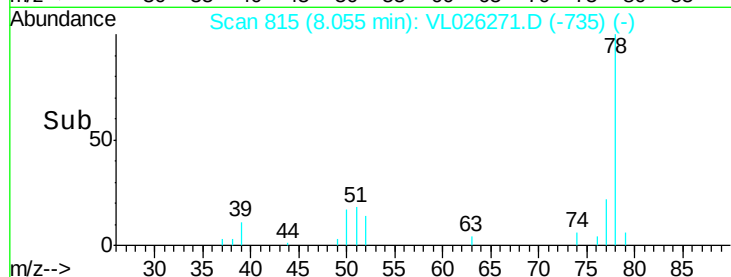
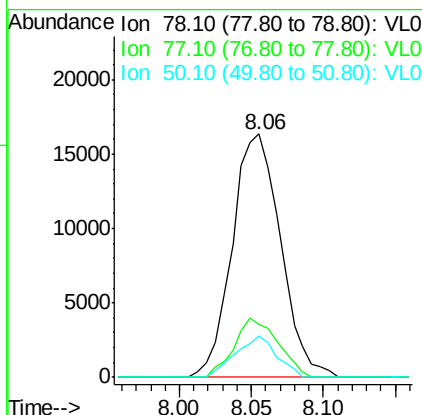
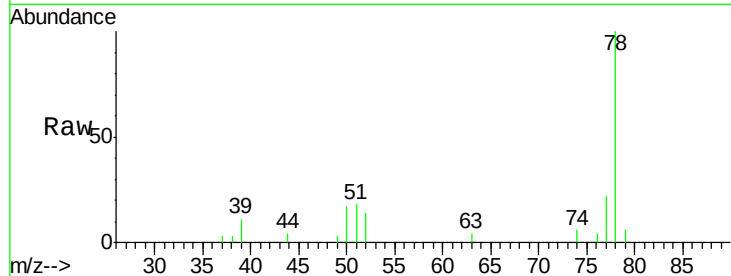




#36
Benzene
Concen: 0.24 ppbv
RT: 8.06 min Scan# 815
Delta R.T. -0.01 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

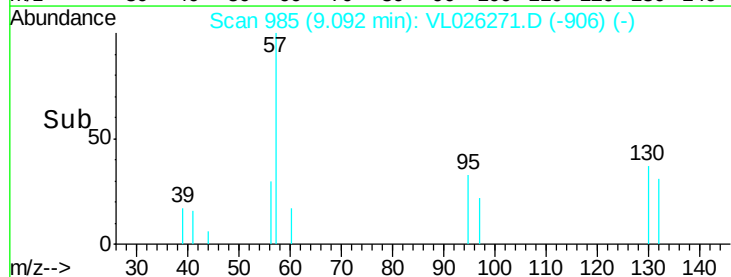
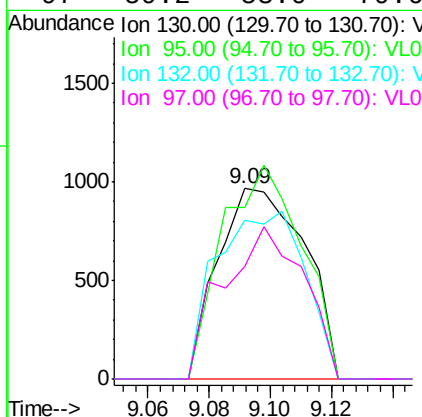
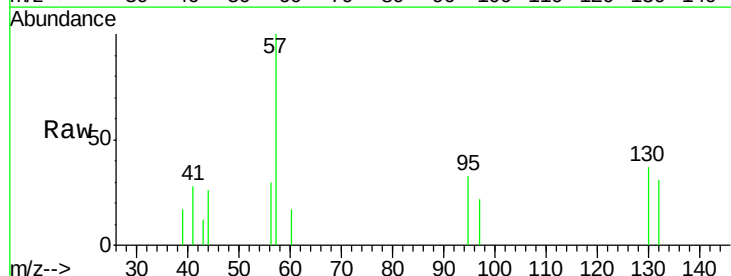
Instrument :
MSVOA_L
ClientSampleId :

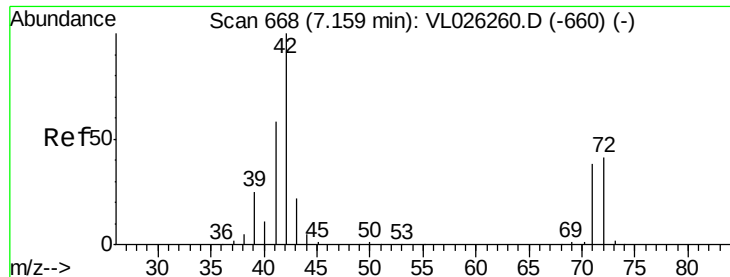
Tot Ion: 78 Resp: 38172
Ion Ratio Lower Upper
78 100
77 21.7 18.0 27.0
50 17.0 13.3 19.9



#38
Trichloroethene
Concen: 0.02 ppbv
RT: 9.09 min Scan# 985
Delta R.T. -0.02 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

Tgt Ion: 130 Resp: 1904
Ion Ratio Lower Upper
130 100
95 89.9 80.8 121.2
132 83.5 76.2 114.2
97 59.2 53.0 79.6





#41

Tetrahydrofuran

Concen: 0.02 ppbv

RT: 7.18 min Scan# 672

Delta R.T. 0.02 min

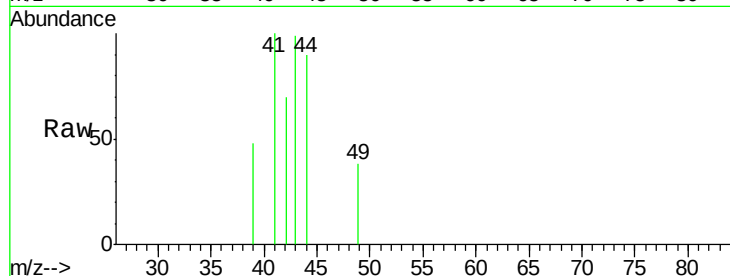
Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

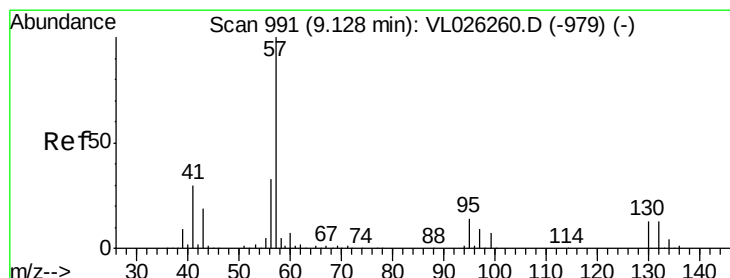
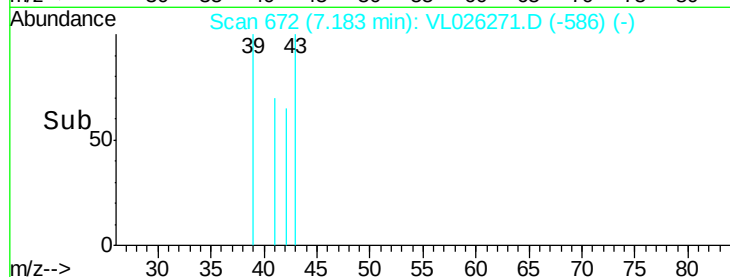
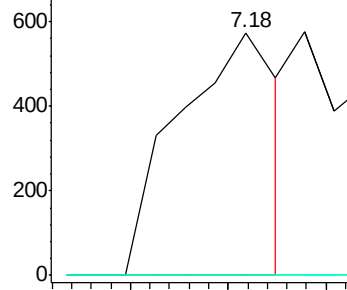
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 42 Resp: 814

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.2	48.4#
71	0.0	30.4	45.6#



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



#44

2,2,4-Trimethylpentane

Concen: 0.08 ppbv

RT: 9.12 min Scan# 990

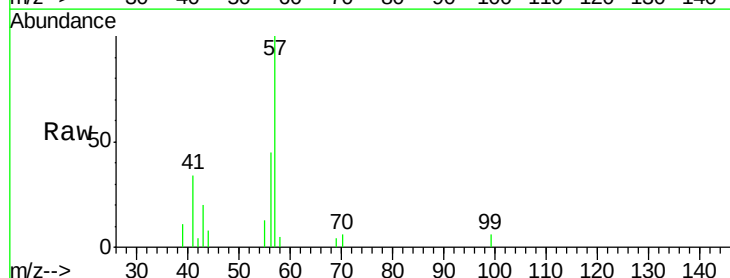
Delta R.T. -0.01 min

Lab File: VL026271.D

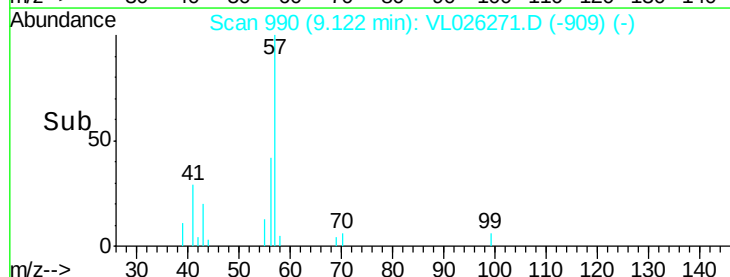
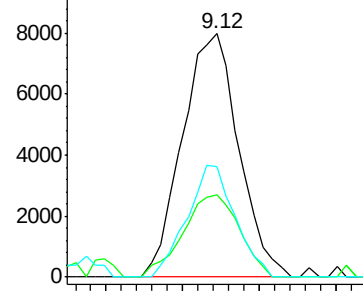
Acq: 29 Oct 2015 19:04

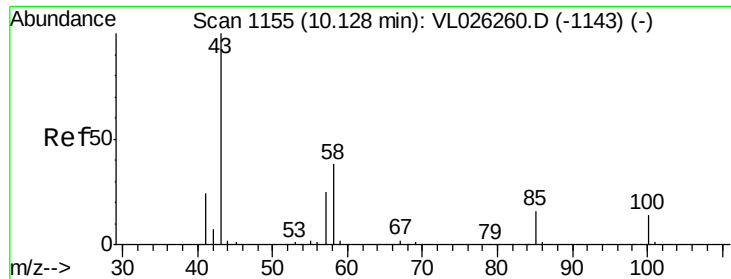
Tgt Ion: 57 Resp: 20374

Ion	Ratio	Lower	Upper
57	100		
41	38.1	23.1	34.7#
56	43.2	26.3	39.5#



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

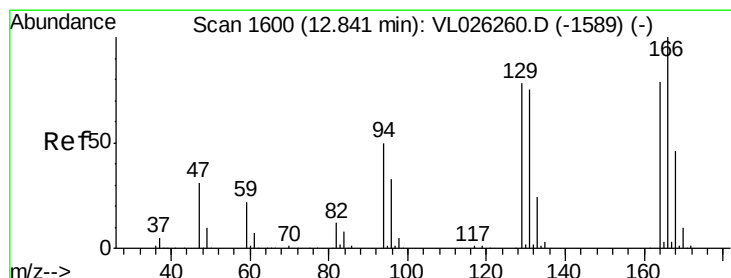
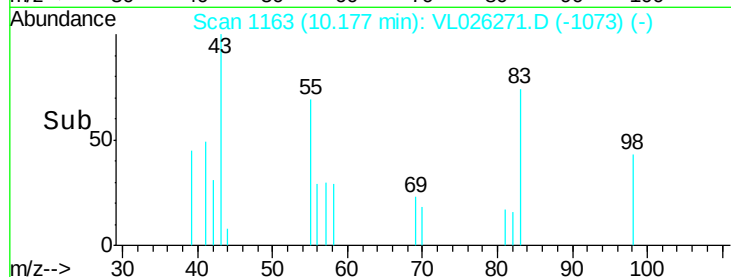
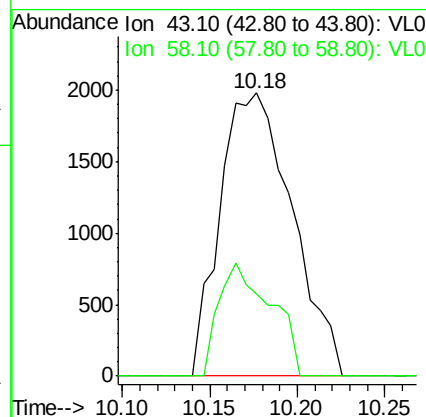
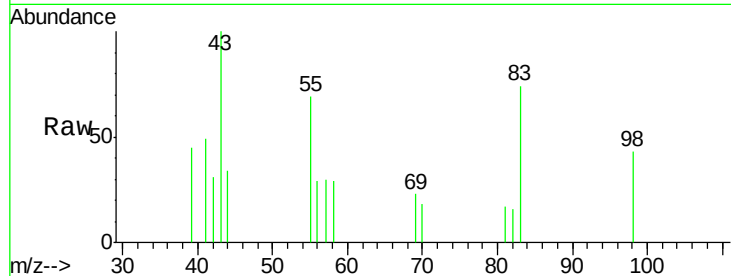




#50
4-Methyl-2-Pentanone
Concen: 0.05 ppbv
RT: 10.18 min Scan# 1163
Delta R.T. 0.05 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

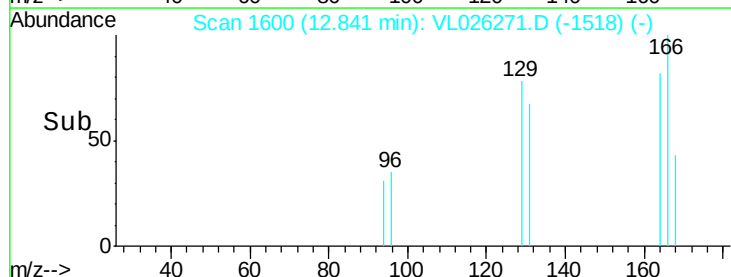
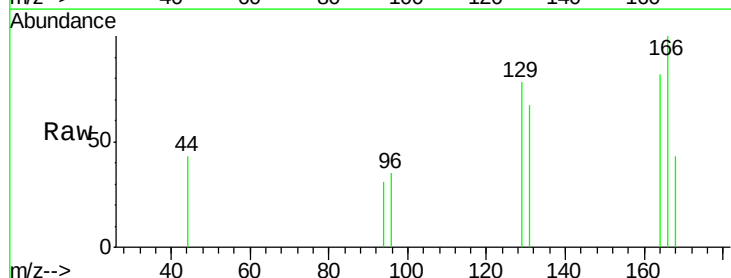
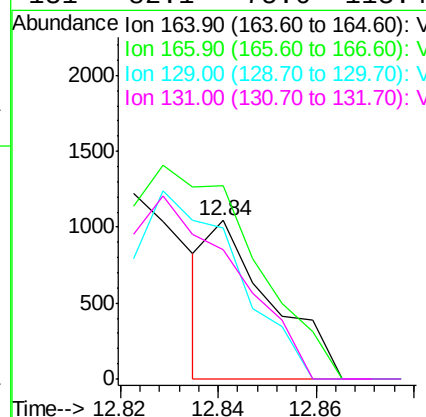
Instrument :
MSVOA_L
ClientSampleId :

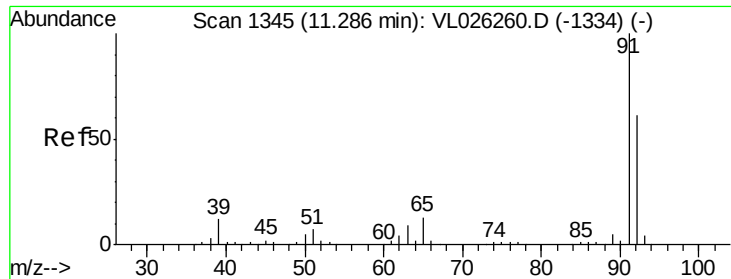
Tot Ion: 43 Resp: 5671
Ion Ratio Lower Upper
43 100
58 29.0 30.5 45.7#



#52
Tetrachloroethene
Concen: 0.01 ppbv
RT: 12.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

Tgt Ion: 164 Resp: 908
Ion Ratio Lower Upper
164 100
166 122.2 101.4 152.0
129 95.0 78.8 118.2
131 82.1 75.6 113.4

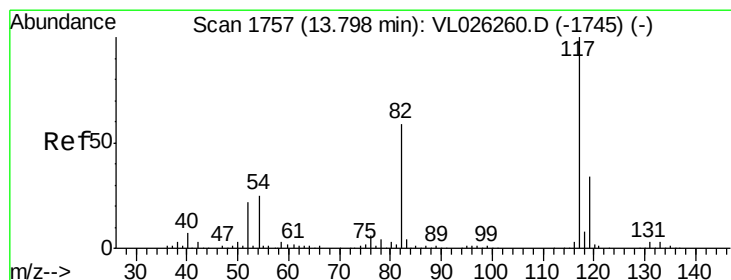
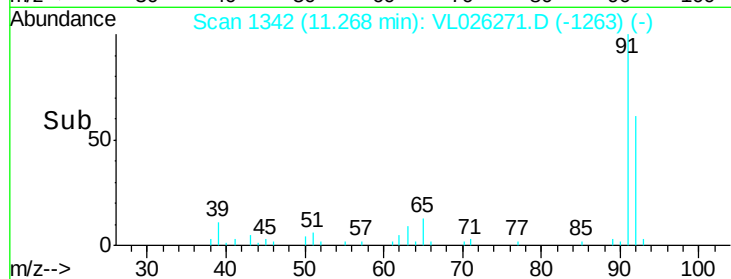
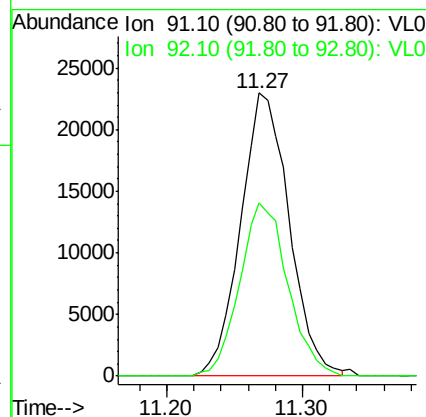
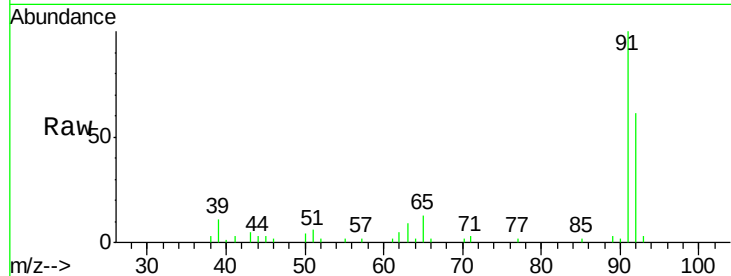




#53
Toluene
Concen: 0.27 ppbv
RT: 11.27 min Scan# 1342
Delta R.T. -0.02 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

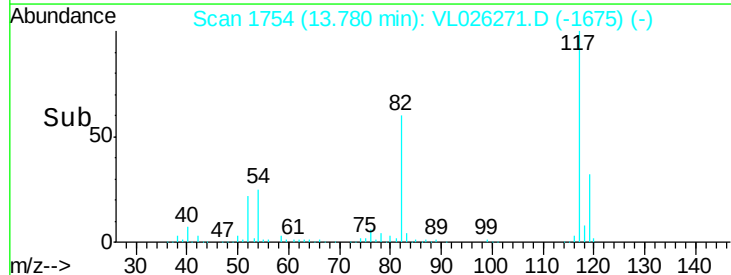
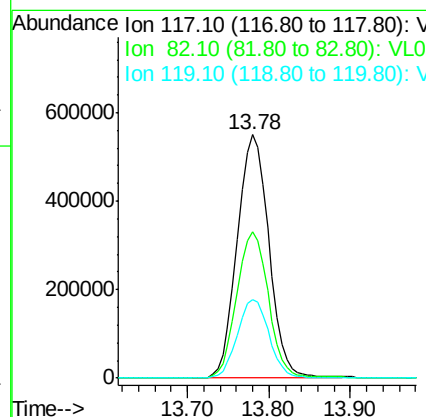
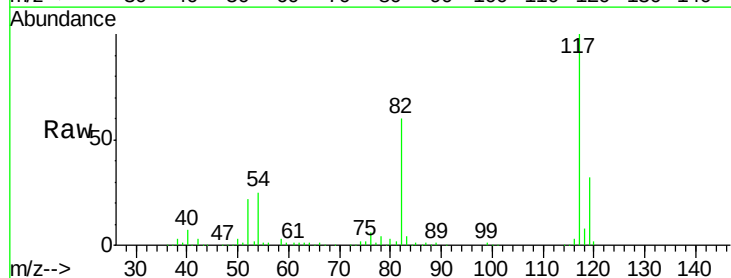
Instrument :
MSVOA_L
ClientSampleId :

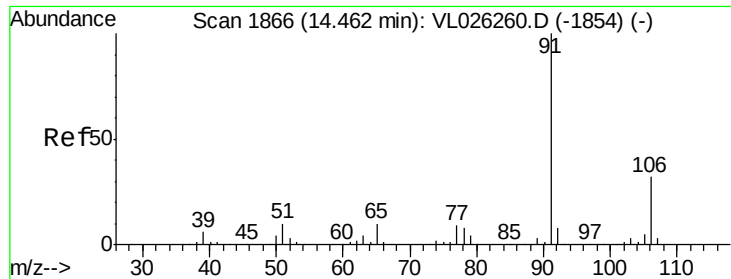
Tot Ion: 91 Resp: 57287
Ion Ratio Lower Upper
91 100
92 60.8 48.6 73.0



#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. -0.02 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

Tgt Ion: 117 Resp: 1487443
Ion Ratio Lower Upper
117 100
82 60.7 48.2 72.4
119 32.5 46.2 69.2#





#58

Ethyl Benzene

Concen: 0.06 ppbv

RT: 14.44 min Scan# 1863

Delta R.T. -0.02 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Instrument :

MSVOA_L

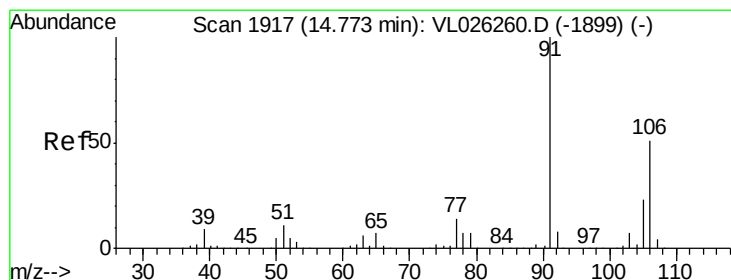
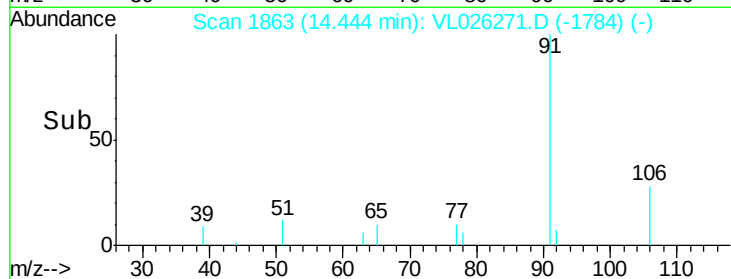
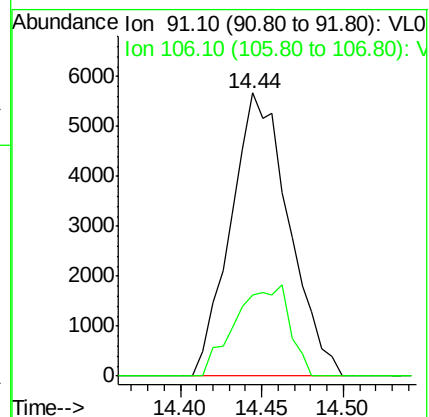
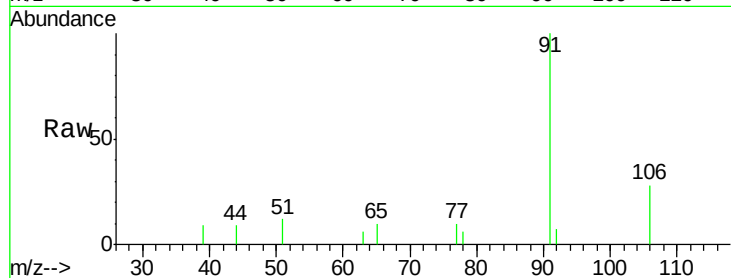
ClientSampleId :

Tot Ion: 91 Resp: 14056

Ion Ratio Lower Upper

91 100

106 28.5 25.7 38.5



#59

m/p-Xylene

Concen: 0.19 ppbv

RT: 14.72 min Scan# 1909

Delta R.T. -0.05 min

Lab File: VL026271.D

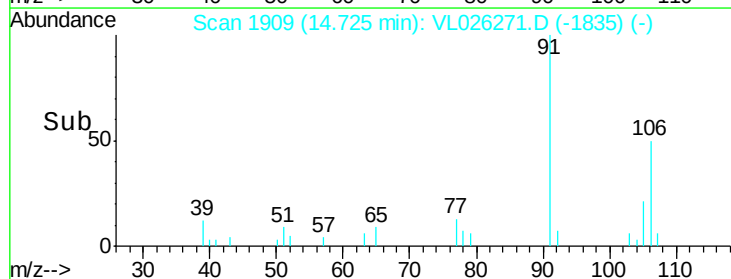
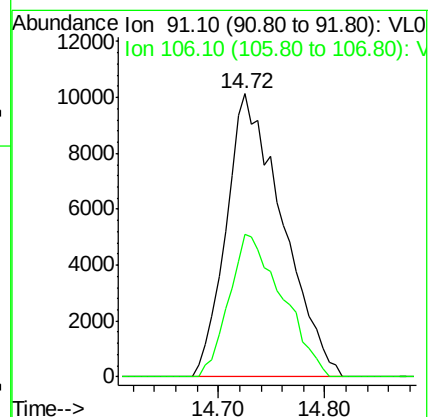
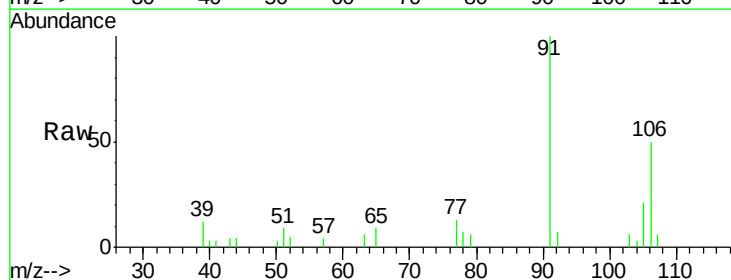
Acq: 29 Oct 2015 19:04

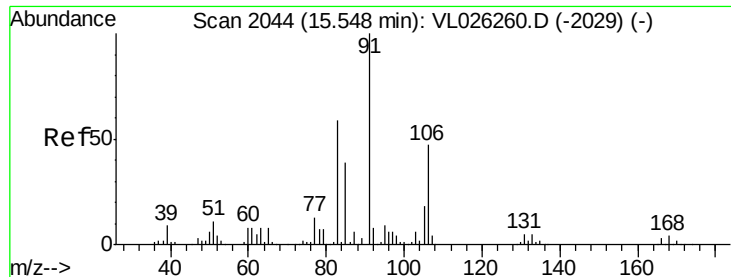
Tgt Ion: 91 Resp: 37354

Ion Ratio Lower Upper

91 100

106 47.6 0.0 0.0#

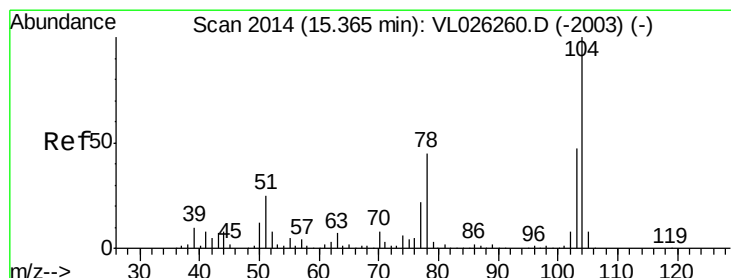
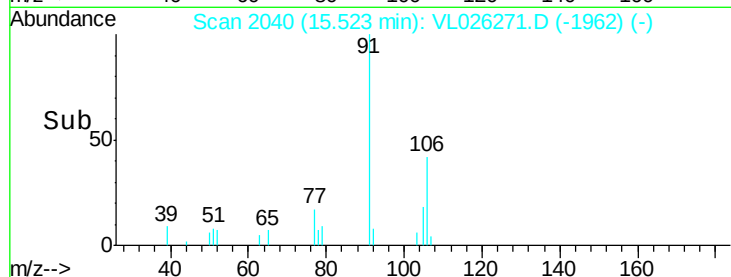
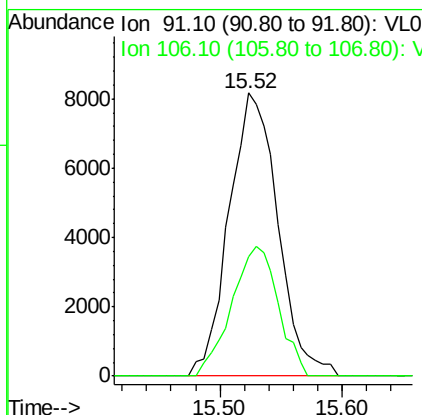
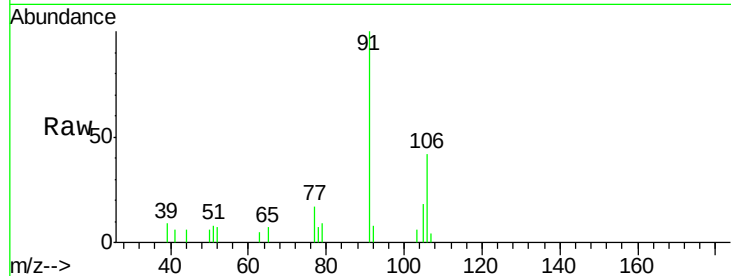




#60
o-Xylene
Concen: 0.11 ppbv
RT: 15.52 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

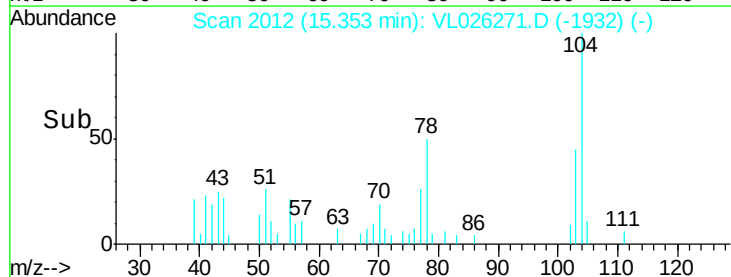
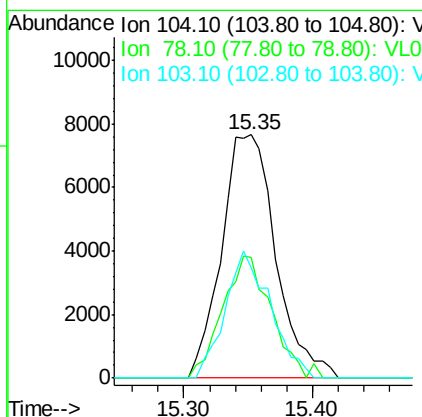
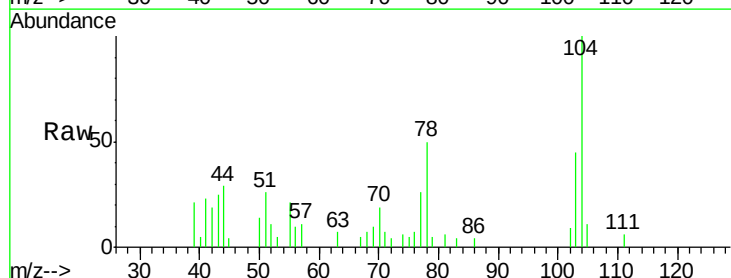
Instrument :
MSVOA_L
ClientSampleId :

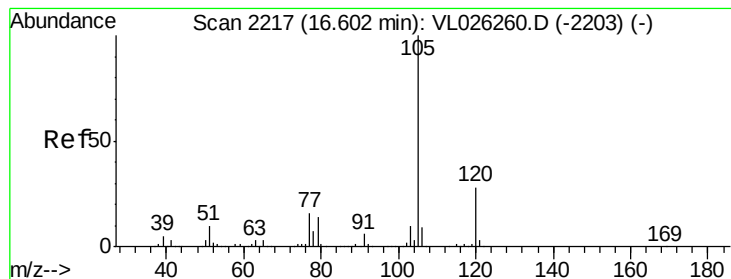
Tot Ion: 91 Resp: 22637
Ion Ratio Lower Upper
91 100
106 43.7 23.6 70.8



#61
Styrene
Concen: 0.26 ppbv
RT: 15.35 min Scan# 2012
Delta R.T. -0.01 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

Tgt Ion: 104 Resp: 22398
Ion Ratio Lower Upper
104 100
78 45.3 35.5 53.3
103 43.7 37.0 55.6





#62

Isopropylbenzene

Concen: 0.02 ppbv

RT: 16.57 min Scan# 2212

Delta R.T. -0.03 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Instrument :

MSVOA_L

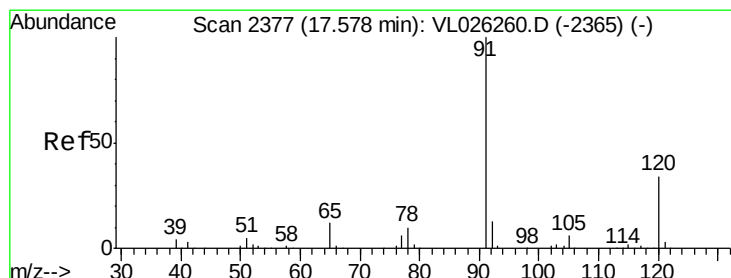
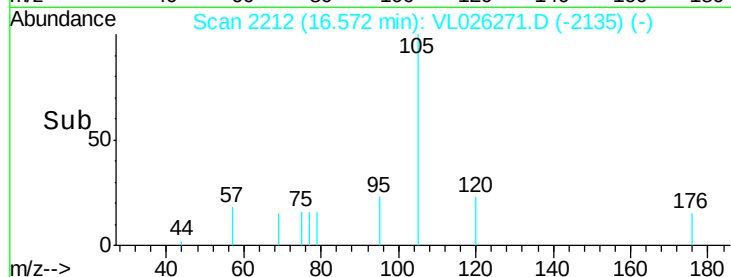
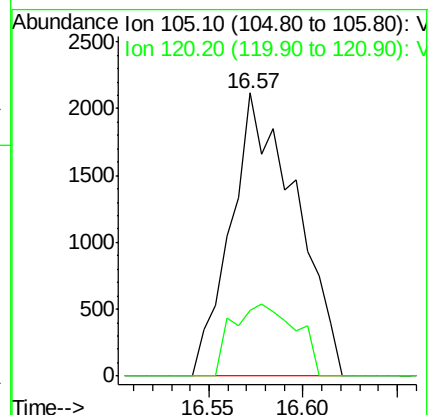
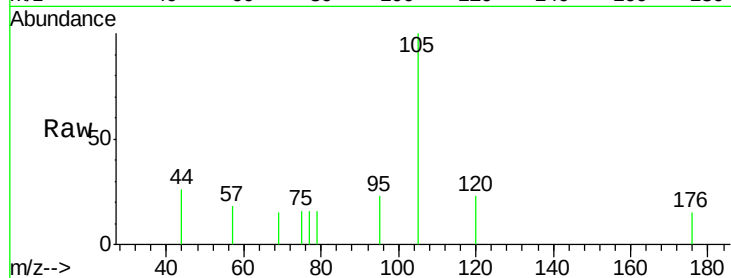
ClientSampleId :

Tot Ion:105 Resp: 5059

Ion Ratio Lower Upper

105 100

120 25.0 21.7 32.5



#64

n-propylbenzene

Concen: 0.02 ppbv

RT: 17.56 min Scan# 2374

Delta R.T. -0.02 min

Lab File: VL026271.D

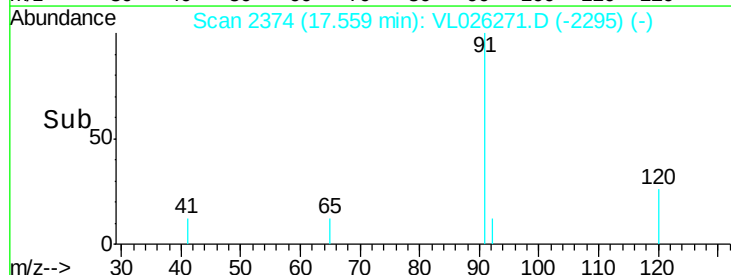
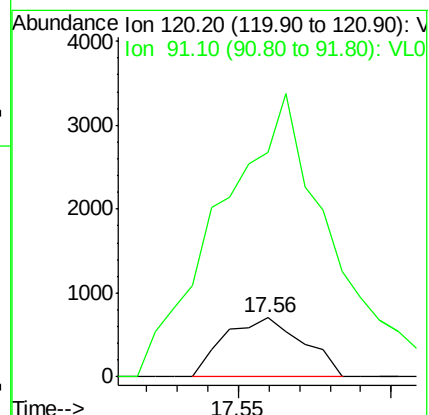
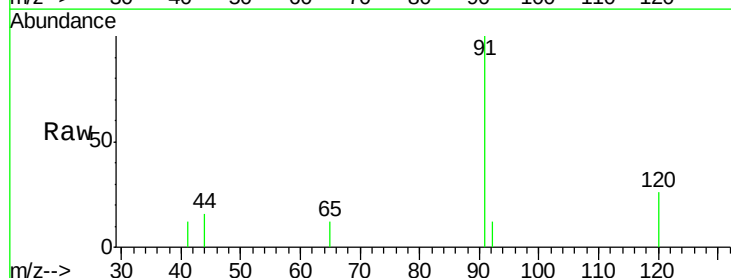
Acq: 29 Oct 2015 19:04

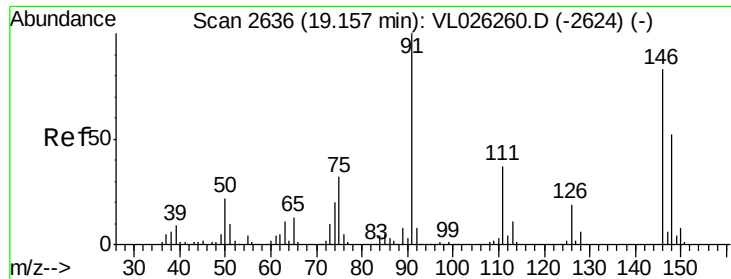
Tgt Ion:120 Resp: 1263

Ion Ratio Lower Upper

120 100

91 672.8 340.8 511.2#

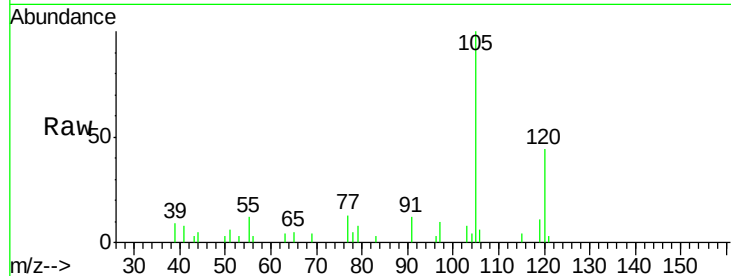




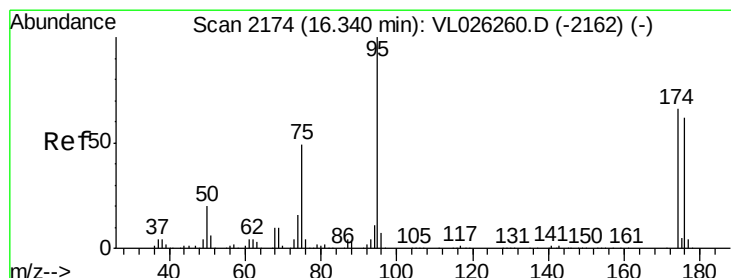
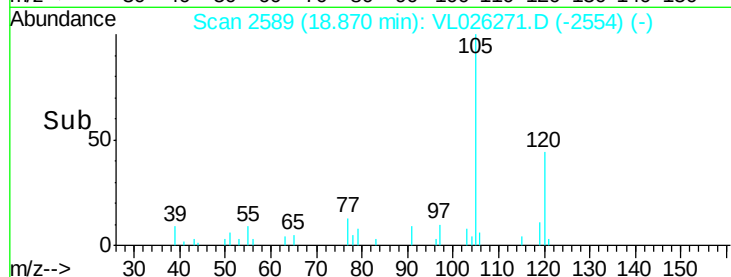
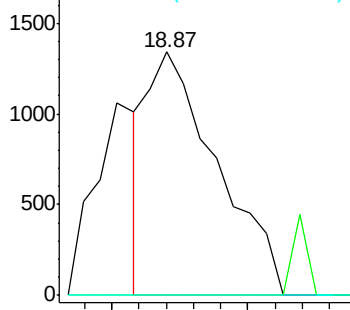
#66
Benzyl Chloride
Concen: 0.03 ppbv
RT: 18.87 min Scan# 2589
Delta R.T. -0.29 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 91 Resp: 2396
Ion Ratio Lower Upper
91 100
126 14.7 15.8 23.8#
128 0.0 5.0 7.6#

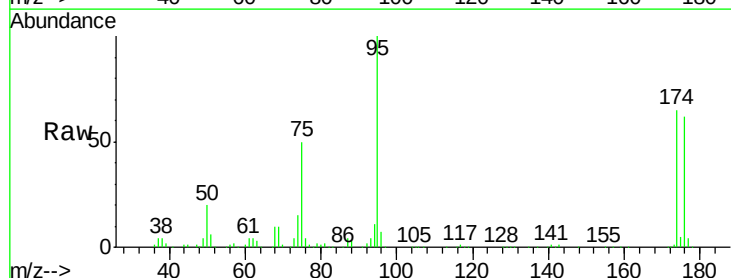


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

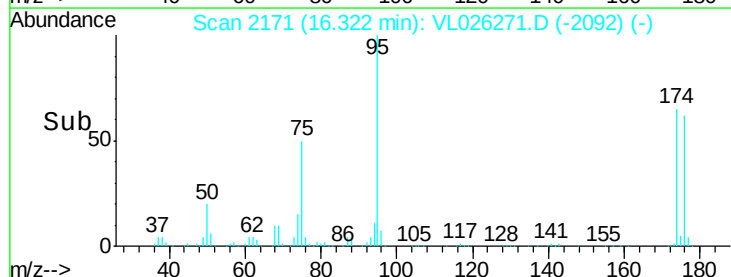
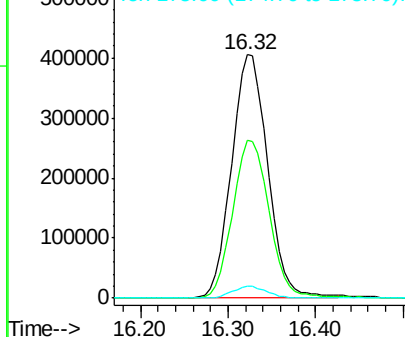


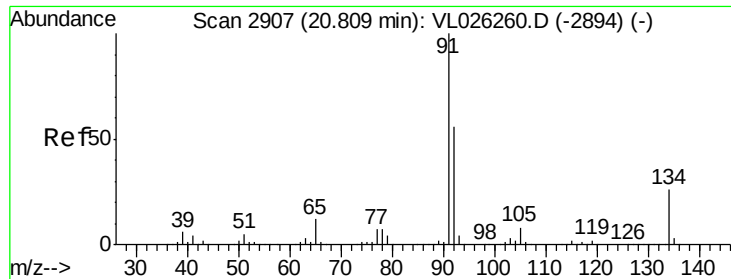
#68
1-Bromo-4-Fluorobenzene
Concen: 10.31 ppbv
RT: 16.32 min Scan# 2171
Delta R.T. -0.02 min
Lab File: VL026271.D
Acq: 29 Oct 2015 19:04

Tgt Ion: 95 Resp: 1163499
Ion Ratio Lower Upper
95 100
174 66.1 52.9 79.3
175 4.8 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V





#70

n-Butylbenzene

Concen: 0.01 ppbv

RT: 20.80 min Scan# 2906

Delta R.T. -0.01 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Instrument :

MSVOA_L

ClientSampleId :

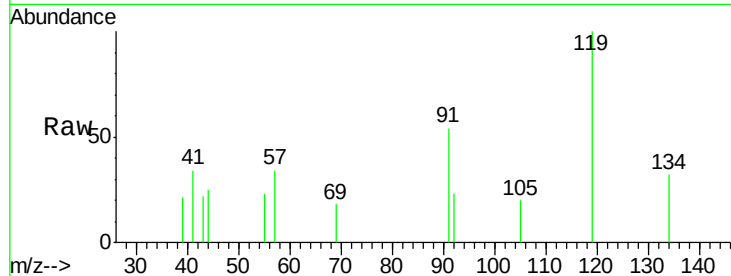
Tot Ion: 91 Resp: 2929

Ion Ratio Lower Upper

91 100

92 17.8 44.9 67.3#

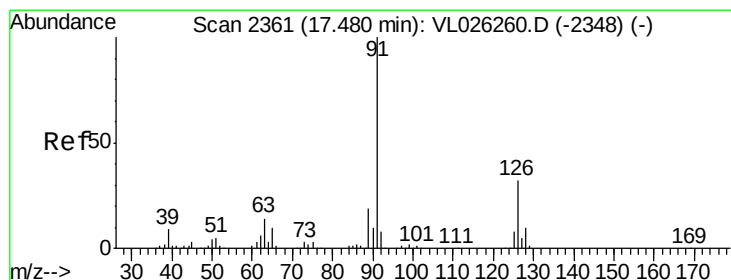
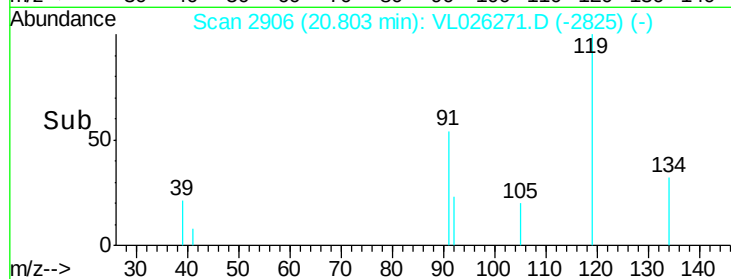
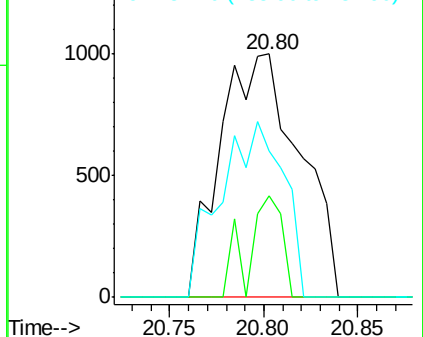
134 57.2 20.5 30.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): VL0



#71

2-Chlorotoluene

Concen: 0.04 ppbv

RT: 17.57 min Scan# 2375

Delta R.T. 0.09 min

Lab File: VL026271.D

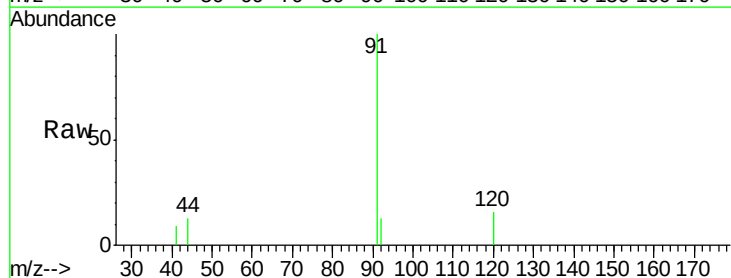
Acq: 29 Oct 2015 19:04

Tgt Ion: 91 Resp: 8496

Ion Ratio Lower Upper

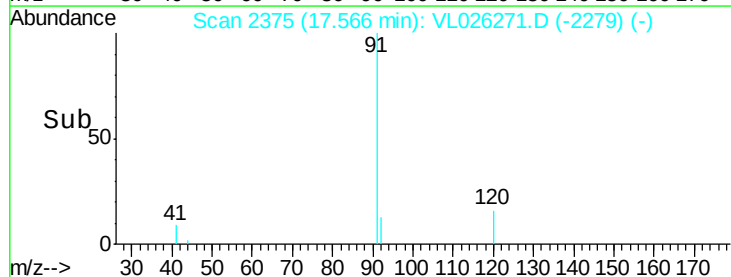
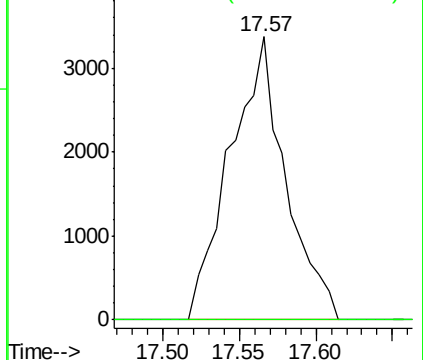
91 100

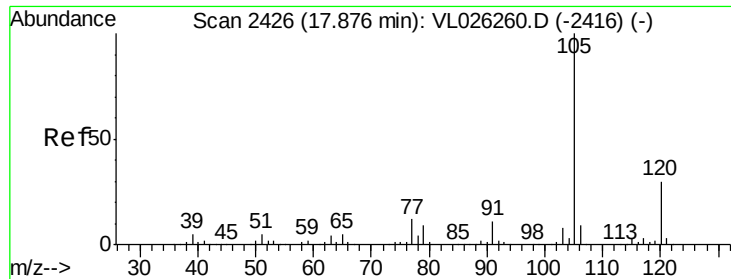
126 0.0 12.8 51.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0





#72

4-Ethyltoluene

Concen: 0.05 ppbv

RT: 17.85 min Scan# 2422

Delta R.T. -0.02 min

Lab File: VL026271.D

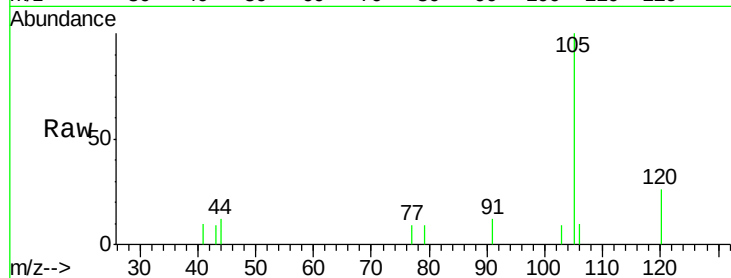
Acq: 29 Oct 2015 19:04

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	10752
Ion	Ratio	Lower	Upper
105	100		
120	25.8	25.1	37.7
91	10.2	9.1	13.7
77	8.4	9.7	14.5

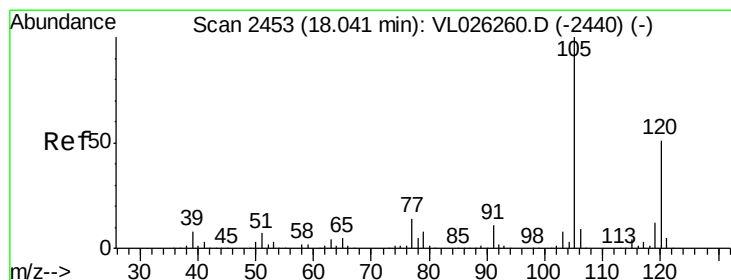
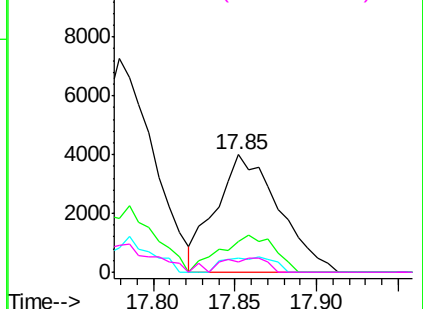
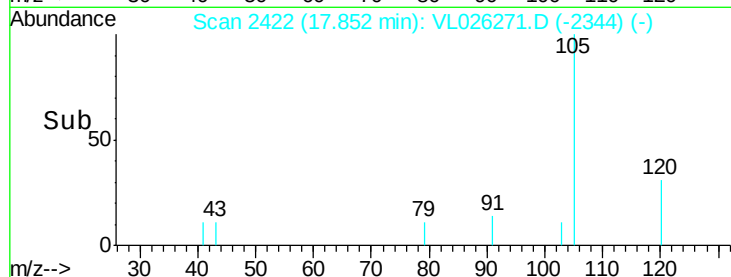


Abundance Ion 105.10 (104.80 to 105.80): V

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

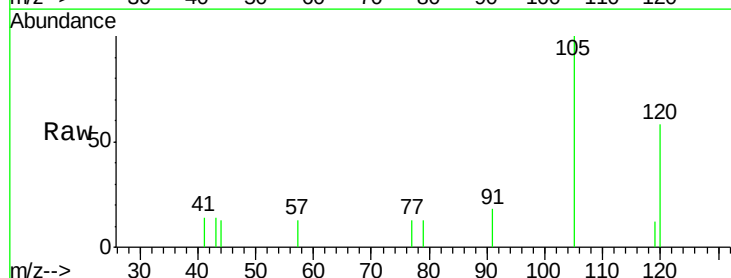
RT: 18.03 min Scan# 2451

Delta R.T. -0.01 min

Lab File: VL026271.D

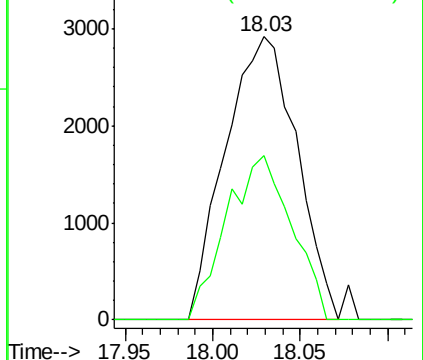
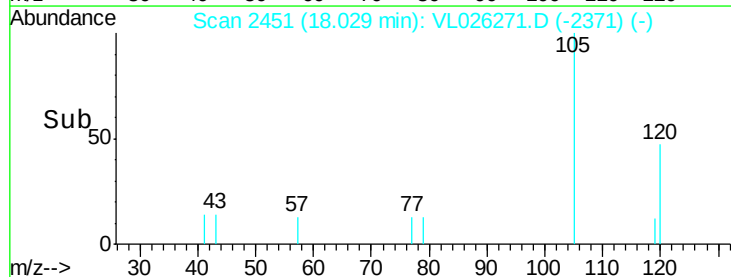
Acq: 29 Oct 2015 19:04

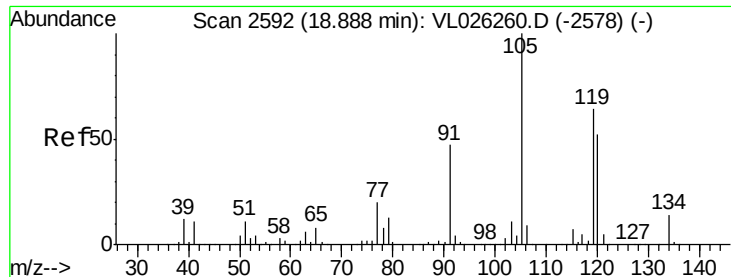
Tgt Ion:	105	Resp:	8294
Ion	Ratio	Lower	Upper
105	100		
120	57.9	40.6	61.0



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: 0.13 ppbv

RT: 18.87 min Scan# 2589

Delta R.T. -0.02 min

Lab File: VL026271.D

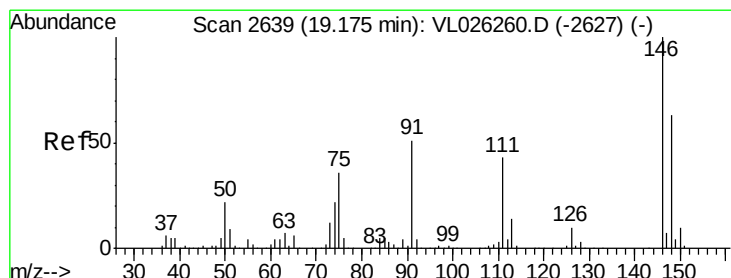
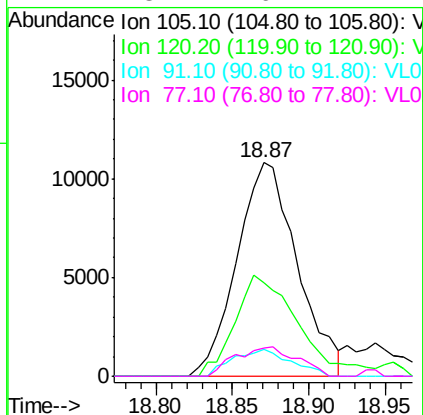
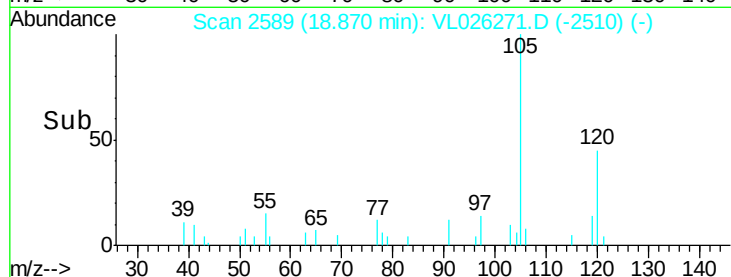
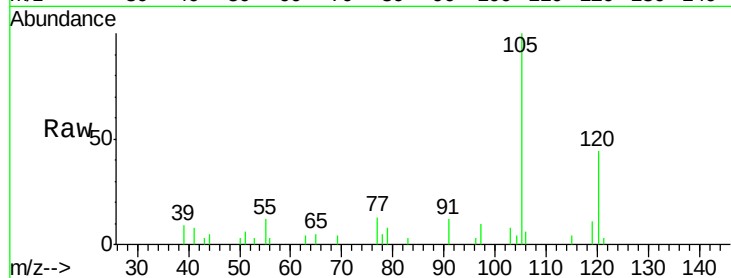
Acq: 29 Oct 2015 19:04

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	29619
Ion	Ratio	Lower	Upper
105	100		
120	43.8	41.2	61.8
91	12.4	37.8	56.8#
77	13.2	16.1	24.1#



#75

1,3-Dichlorobenzene

Concen: 0.01 ppbv

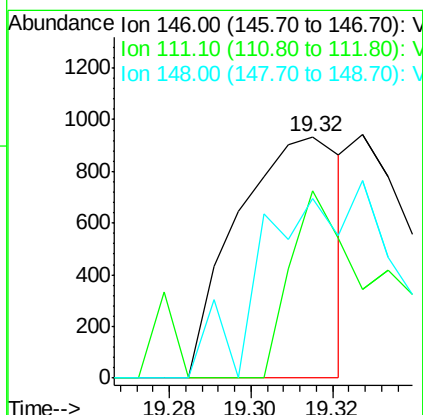
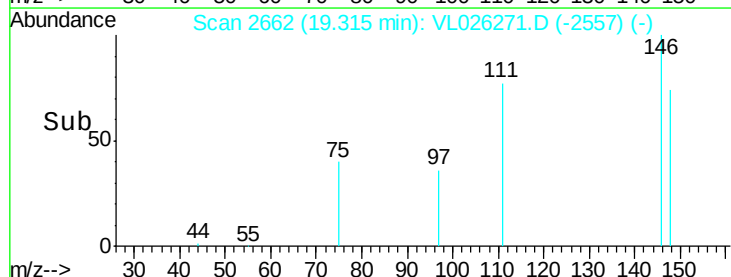
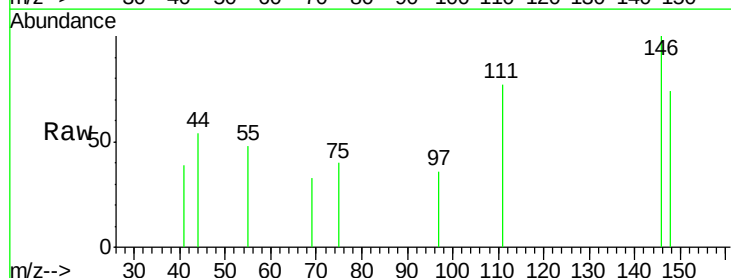
RT: 19.32 min Scan# 2662

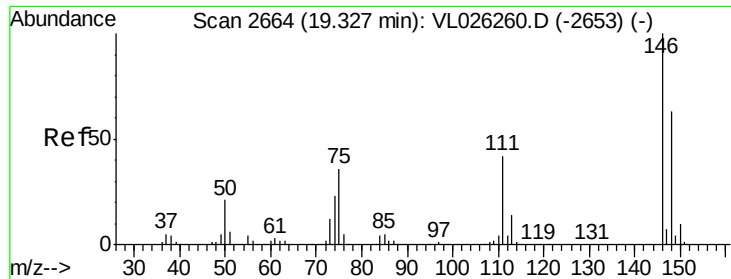
Delta R.T. 0.14 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Tgt Ion:	146	Resp:	1670
Ion	Ratio	Lower	Upper
146	100		
111	60.9	21.9	65.5
148	0.0	31.8	95.3#





#76

1,4-Dichlorobenzene

Concen: 0.01 ppbv

RT: 19.32 min Scan# 2662

Delta R.T. -0.01 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

Instrument :

MSVOA_L

ClientSampled :

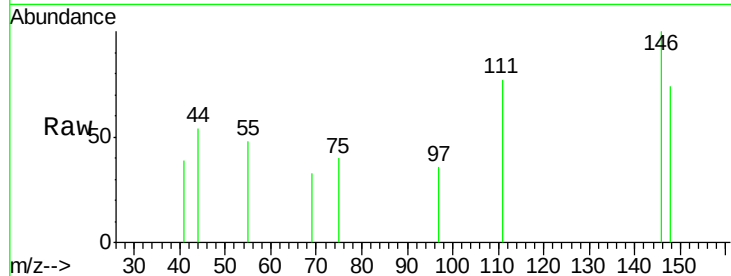
Tot Ion:146 Resp: 1670

Ion Ratio Lower Upper

146 100

111 83.8 21.1 63.4#

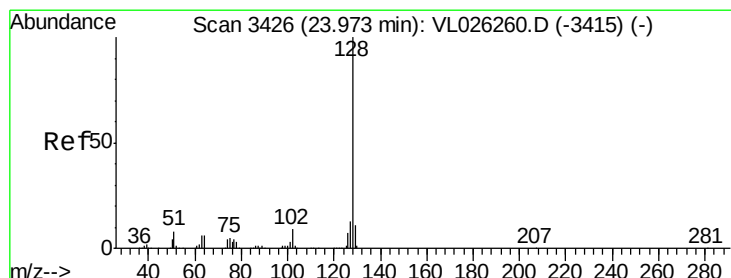
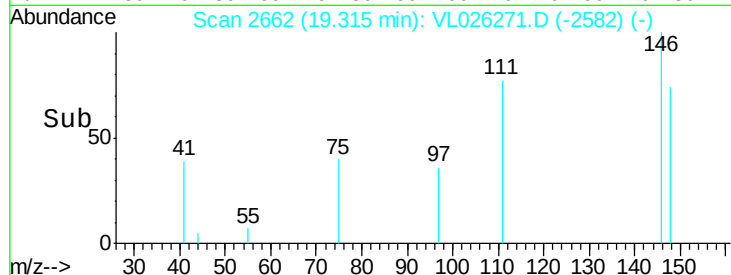
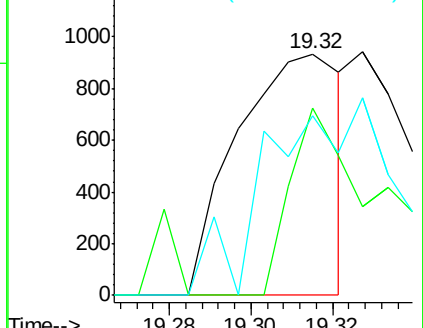
148 0.0 31.8 95.3#



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: 0.07 ppbv

RT: 23.97 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VL026271.D

Acq: 29 Oct 2015 19:04

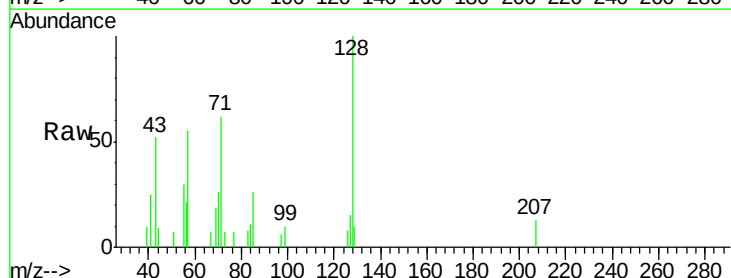
Tgt Ion:128 Resp: 11712

Ion Ratio Lower Upper

128 100

127 14.6 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

