

Data Path : W:\HPCHEM1\MSVOA L\Data\VL102915\
 Data File : VL026262.D
 Acq On : 29 Oct 2015 10:41
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Quant Time: Oct 29 11:54:48 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 11:55:57 2015
 QLast Update : Thu Oct 29 11:55:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	592005	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1657811	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.79	117	1940810	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	1470425	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.67	85	126611	1.04	ppbv	97
3) Chlorodifluoromethane	3.59	51	80142	1.08	ppbv	99
4) Chloromethane	3.78	50	43415	1.06	ppbv	95
5) Vinyl Chloride	3.91	62	44114	1.03	ppbv	98
6) Bromomethane	4.17	94	31916	1.04	ppbv	100
7) Chloroethane	4.27	64	18486	1.03	ppbv	95
8) Dichlorotetrafluoroethane	3.83	85	114158	1.08	ppbv	97
9) Propene	3.62	41	36490	1.03	ppbv	96
10) Heptane	9.39	43	126087	1.05	ppbv	98
11) Trichlorofluoromethane	4.72	101	124666	1.04	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.34	101	84015	1.04	ppbv	98
13) Ethanol	4.37	45	2582	0.49	ppbv #	33
14) Bromoethene	4.48	108	33556	0.98	ppbv	96
15) Acetone	4.64	43	85081	1.00	ppbv #	86
16) 1,3-Butadiene	4.00	39	39798	1.02	ppbv	98
17) tert-Butyl alcohol	5.18	59	53485	0.92	ppbv	99
18) 1,1-Dichloroethene	5.11	96	36768	1.00	ppbv	100
19) Isopropyl Alcohol	4.80	45	32218	0.96	ppbv #	46
20) Methylene Chloride	5.18	84	35410	1.03	ppbv	97
21) Allyl Chloride	5.26	41	56294	1.00	ppbv	90
22) trans-1,2-Dichloroethene	5.80	96	49621	1.02	ppbv	98
23) Vinyl Acetate	6.01	43	148013	0.93	ppbv #	96
24) 1,1-Dichloroethane	5.94	63	109247	1.07	ppbv	100
25) Ethyl Acetate	6.71	43	172229	1.06	ppbv	99
26) Hexane	6.70	57	84441	1.04	ppbv	98
27) Carbon Disulfide	5.42	76	94343	0.93	ppbv	99
28) Methyl tert-Butyl Ether	5.99	73	145061	0.99	ppbv	99
29) Chloroform	6.78	83	123541	1.05	ppbv	99
30) Cyclohexane	8.32	84	81209	1.00	ppbv #	81
31) cis-1,2-Dichloroethene	6.55	61	74952	1.01	ppbv	97
32) 1,1,1-Trichloroethane	7.63	97	121552	0.94	ppbv	100
34) 2-Butanone	6.24	43	105066	1.09	ppbv	100
35) Carbon Tetrachloride	8.20	117	120217	0.96	ppbv	98
36) Benzene	8.06	78	189116	1.10	ppbv	98
37) 1,2-Dichloroethane	7.41	62	96243	1.09	ppbv	100
38) Trichloroethene	9.10	130	80349	0.99	ppbv	99
39) 1,2-Dichloropropane	8.87	63	67926	1.11	ppbv	97
40) 1,4-Dioxane	9.21	88	2651	0.24	ppbv #	1
41) Tetrahydrofuran	7.18	42	59595	1.06	ppbv	98
42) Bromodichloromethane	9.06	83	125672	1.01	ppbv	96
43) Methyl Methacrylate	9.31	69	64527	1.03	ppbv	95

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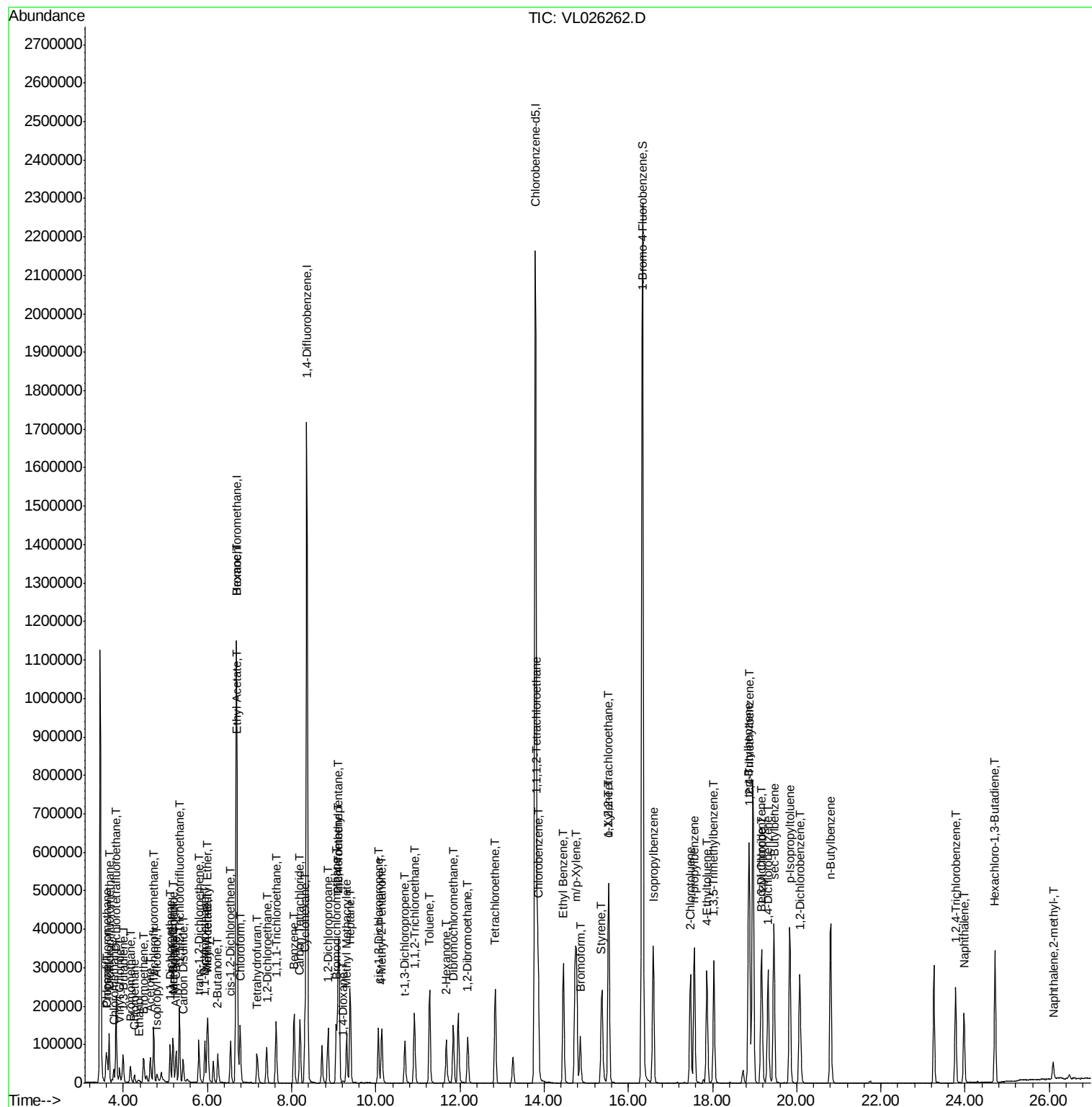
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.12	57	314889	1.12	ppbv	99
45) t-1,3-Dichloropropene	10.69	75	86894	0.92	ppbv	95
46) cis-1,3-Dichloropropene	10.06	75	108066	0.96	ppbv	97
47) 1,1,2-Trichloroethane	10.91	97	82247	1.09	ppbv	98
48) Dibromochloromethane	11.84	129	112923	0.95	ppbv	100
49) Bromoform	14.86	173	84225	0.86	ppbv	99
50) 4-Methyl-2-Pentanone	10.14	43	138219	1.05	ppbv	100
51) 2-Hexanone	11.67	43	123915	1.02	ppbv #	100
52) Tetrachloroethene	12.84	164	81794	0.85	ppbv	96
53) Toluene	11.28	91	241568	1.05	ppbv	99
54) 1,2-Dibromoethane	12.18	107	124058	1.07	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.83	131	93978	1.01	ppbv #	1
57) Chlorobenzene	13.86	112	217265	1.15	ppbv	97
58) Ethyl Benzene	14.46	91	353857	1.11	ppbv	98
59) m/p-Xylene	14.76	91	567934	2.27	ppbv #	100
60) o-Xylene	15.54	91	301219	1.15	ppbv	100
61) Styrene	15.35	104	114588	0.98	ppbv	99
62) Isopropylbenzene	16.59	105	395267	1.09	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.53	83	205006	1.17	ppbv	100
64) n-propylbenzene	17.57	120	107707	1.09	ppbv	91
65) tert-Butylbenzene	18.86	119	372922	1.13	ppbv	99
66) Benzyl Chloride	19.15	91	94373	0.75	ppbv	98
67) sec-Butylbenzene	19.46	105	514586	1.12	ppbv	99
69) p-Isopropyltoluene	19.83	119	420377	1.10	ppbv	99
70) n-Butylbenzene	20.80	91	397115	1.11	ppbv	99
71) 2-Chlorotoluene	17.47	91	290259	1.09	ppbv	99
72) 4-Ethyltoluene	17.86	105	324099	1.07	ppbv	99
73) 1,3,5-Trimethylbenzene	18.04	105	306102	1.08	ppbv	99
74) 1,2,4-Trimethylbenzene	18.88	105	332213	1.13	ppbv	99
75) 1,3-Dichlorobenzene	19.16	146	211719	1.11	ppbv	99
76) 1,4-Dichlorobenzene	19.32	146	210862	1.07	ppbv	99
77) 1,2-Dichlorobenzene	20.07	146	211272	1.10	ppbv	99
78) Hexachloro-1,3-Butadiene	24.71	225	90137	0.99	ppbv	98
79) Naphthalene	23.97	128	227615	0.94	ppbv	100
80) Naphthalene, 2-methyl-	26.09	142	37618	1.00	ppbv	97
81) 1,2,4-Trichlorobenzene	23.77	180	116811	0.99	ppbv	98

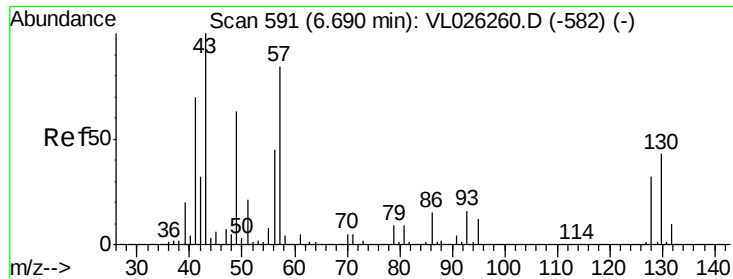
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.68 min Scan# 590

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

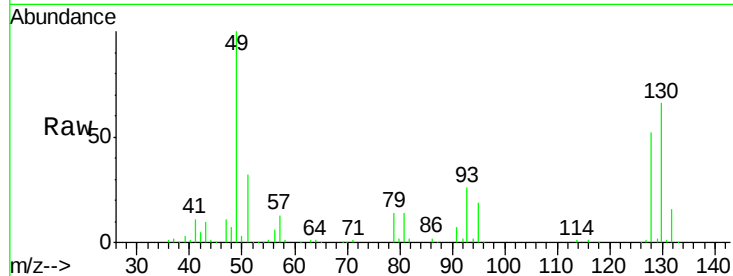
Tot Ion: 49 Resp: 592005

Ion Ratio Lower Upper

49 100

128 54.2 26.7 80.1

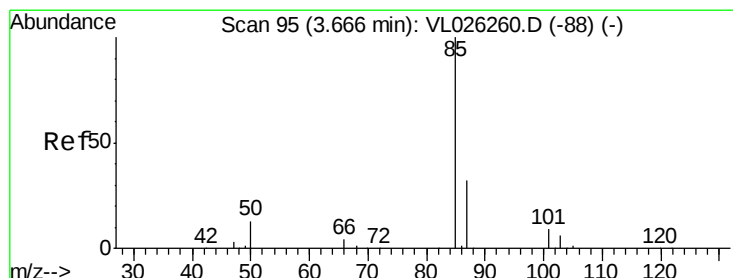
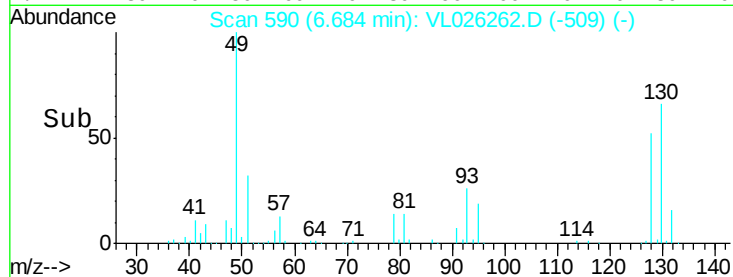
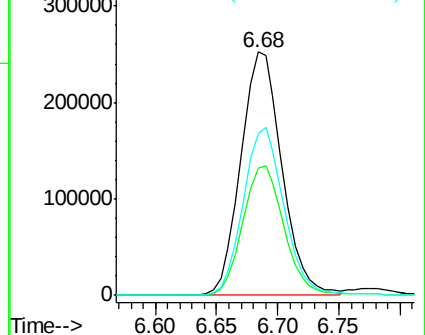
130 69.1 34.4 103.2



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: 1.04 ppbv

RT: 3.67 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL026262.D

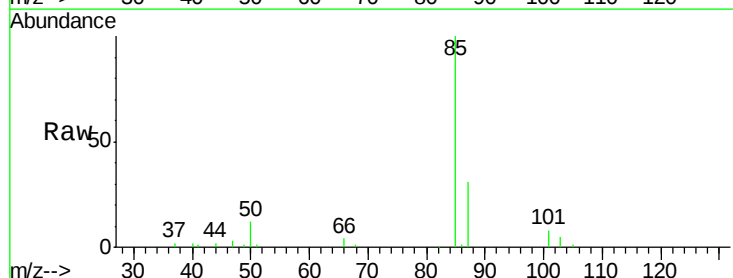
Acq: 29 Oct 2015 10:41

Tgt Ion: 85 Resp: 126611

Ion Ratio Lower Upper

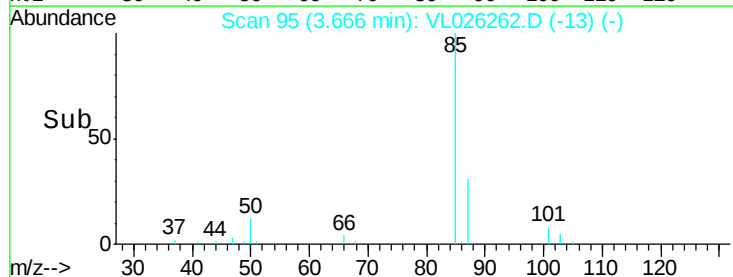
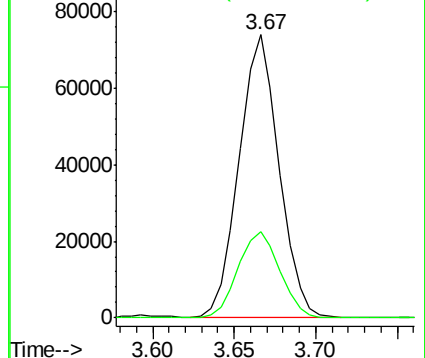
85 100

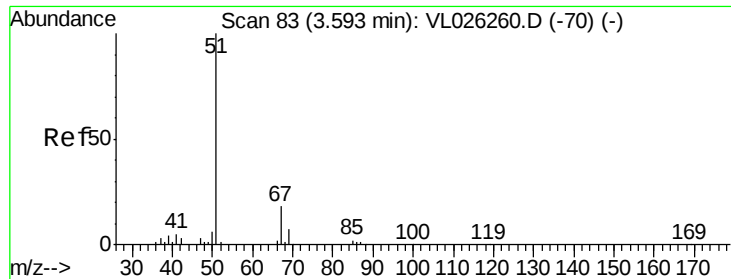
87 30.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.08 ppbv

RT: 3.59 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

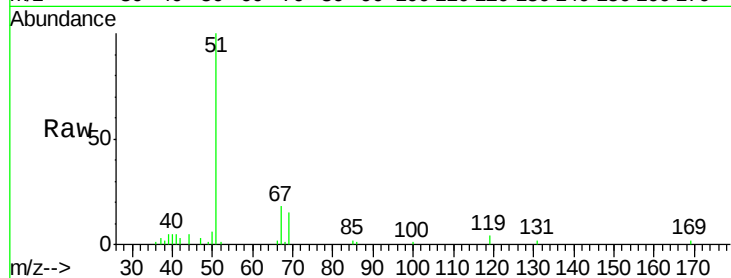
VSTDIC001

Tot Ion: 51 Resp: 80142

Ion Ratio Lower Upper

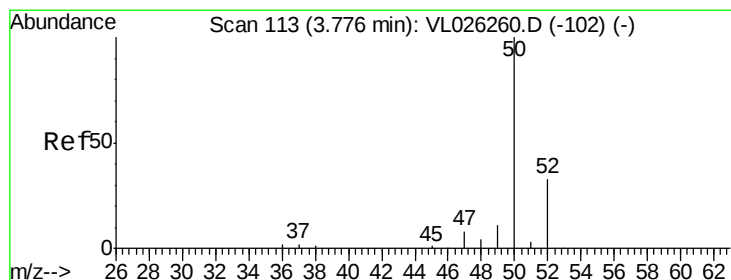
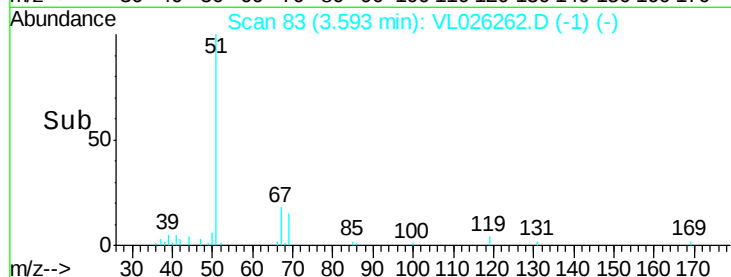
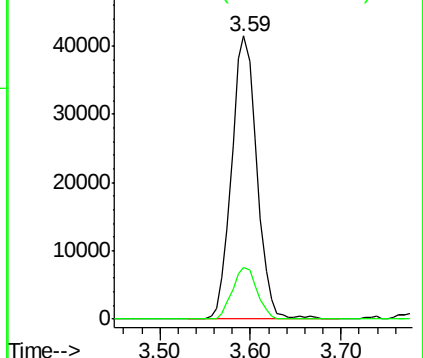
51 100

67 17.7 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: 1.06 ppbv

RT: 3.78 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL026262.D

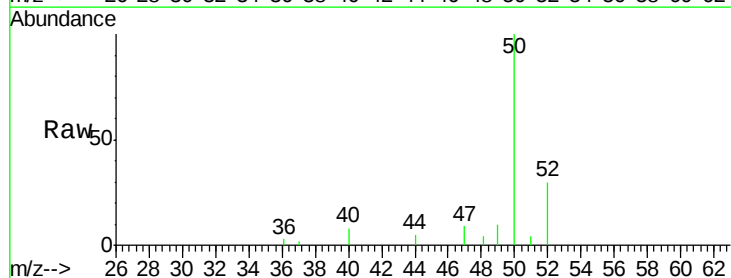
Acq: 29 Oct 2015 10:41

Tgt Ion: 50 Resp: 43415

Ion Ratio Lower Upper

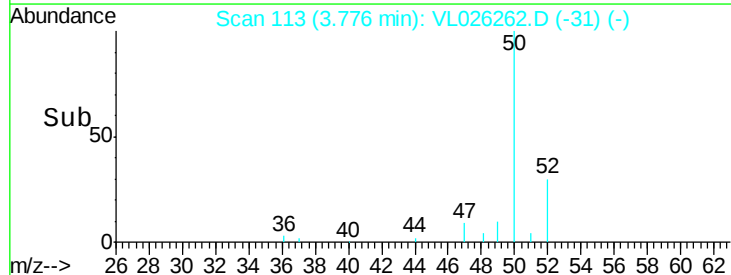
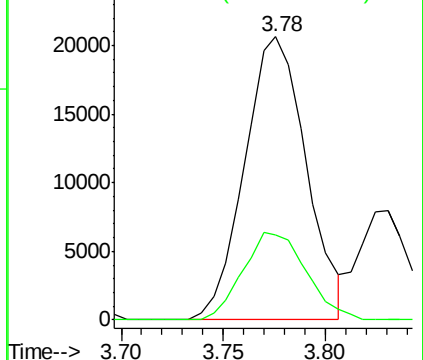
50 100

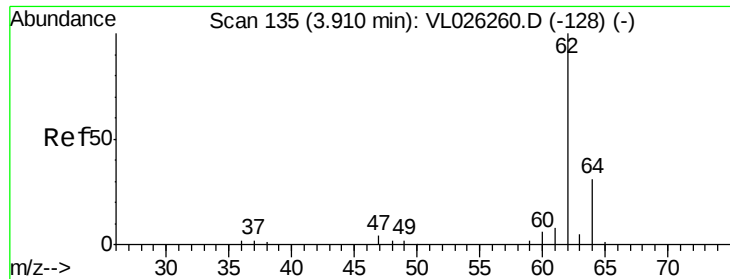
52 30.0 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.03 ppbv

RT: 3.91 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

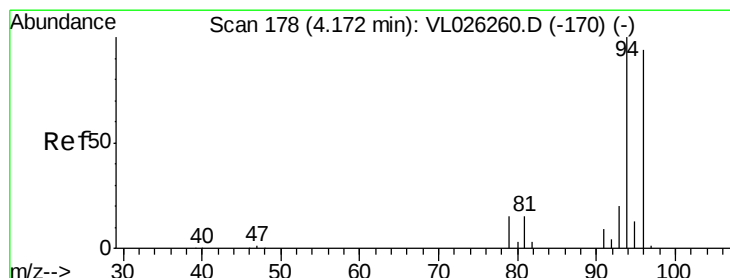
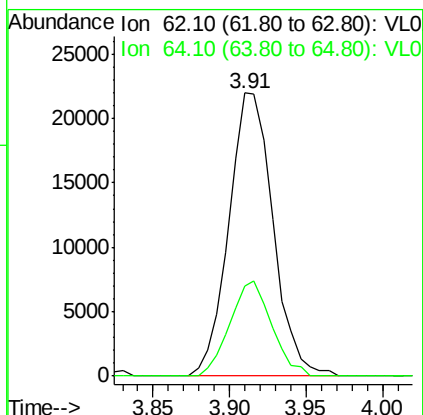
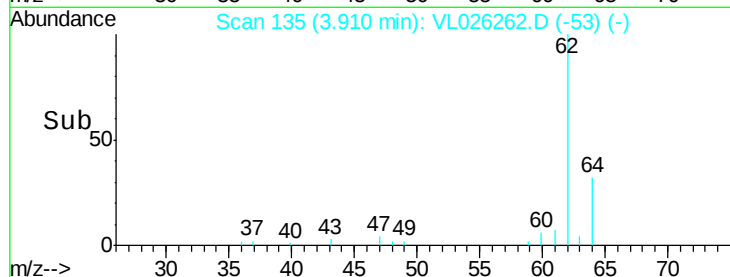
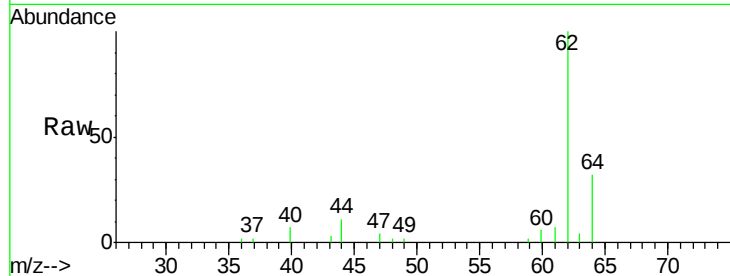
VSTDIC001

Tot Ion: 62 Resp: 44114

Ion Ratio Lower Upper

62 100

64 32.0 24.9 37.3



#6

Bromomethane

Concen: 1.04 ppbv

RT: 4.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL026262.D

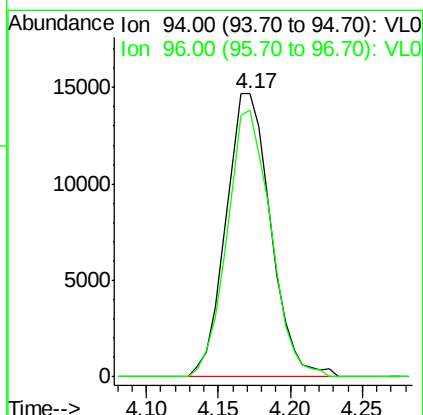
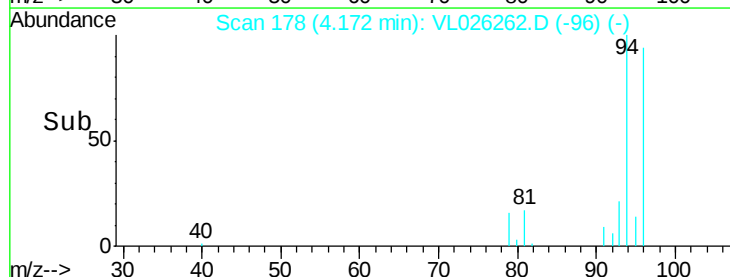
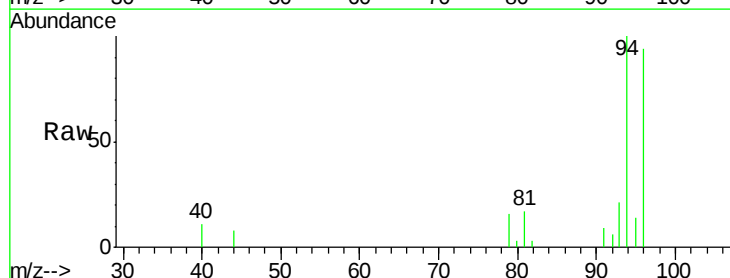
Acq: 29 Oct 2015 10:41

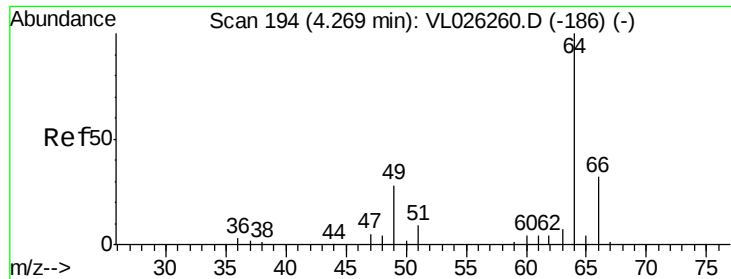
Tgt Ion: 94 Resp: 31916

Ion Ratio Lower Upper

94 100

96 94.1 75.5 113.3





#7

Chloroethane

Concen: 1.03 ppbv

RT: 4.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

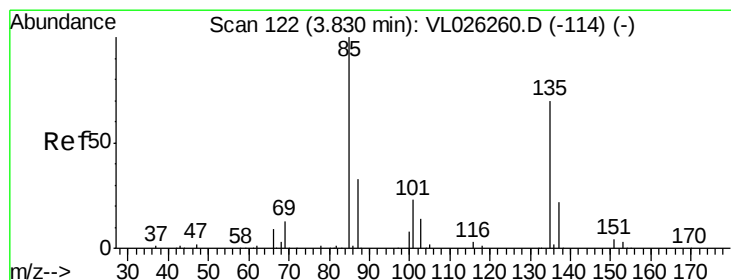
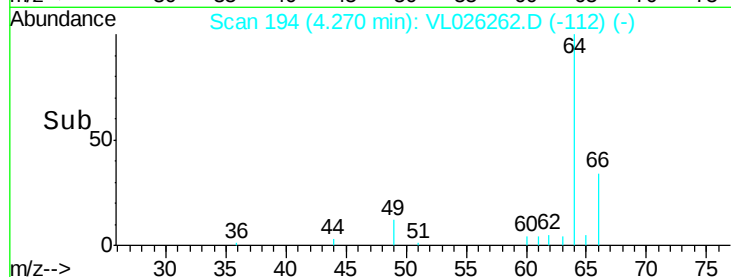
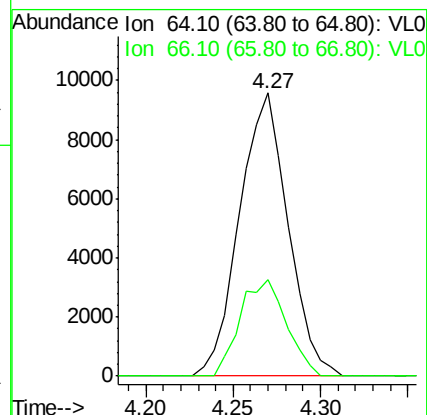
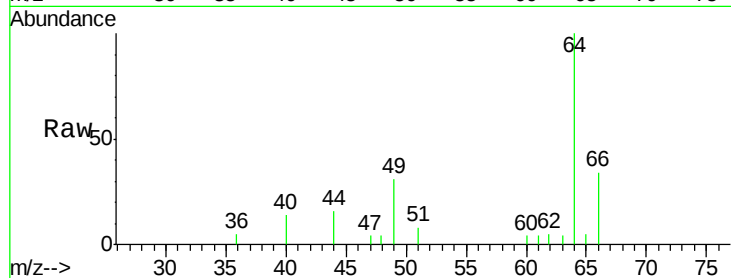
VSTDIC001

Tot Ion: 64 Resp: 18486

Ion Ratio Lower Upper

64 100

66 34.2 25.2 37.8



#8

Dichlorotetrafluoroethane

Concen: 1.08 ppbv

RT: 3.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL026262.D

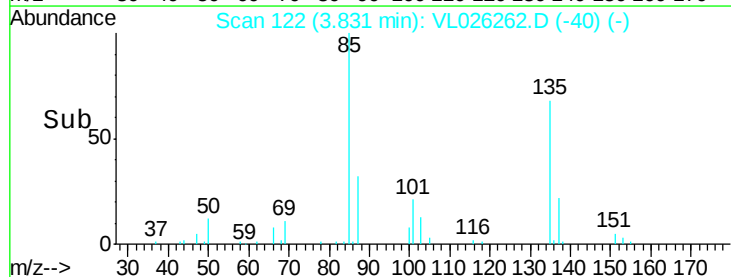
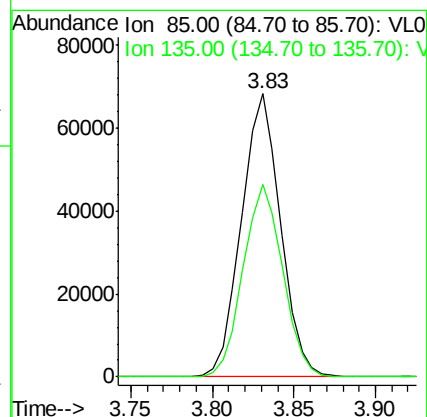
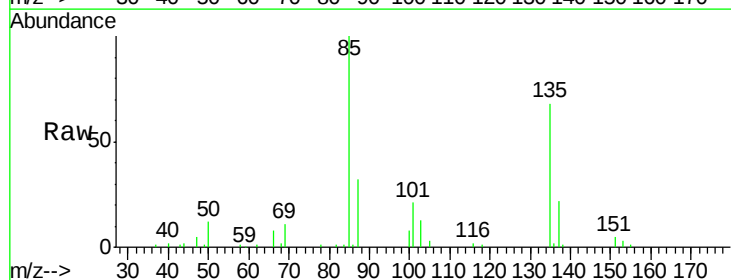
Acq: 29 Oct 2015 10:41

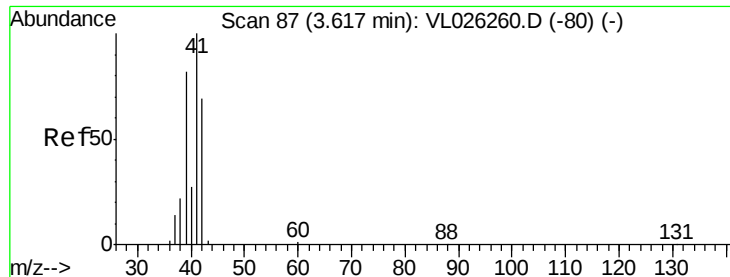
Tgt Ion: 85 Resp: 114158

Ion Ratio Lower Upper

85 100

135 68.6 56.6 84.8





#9

Propene

Concen: 1.03 ppbv

RT: 3.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

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ClientSampleId :

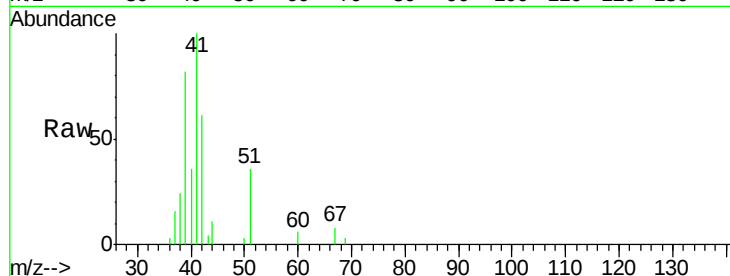
VSTDIC001

Tot Ion: 41 Resp: 36490

Ion Ratio Lower Upper

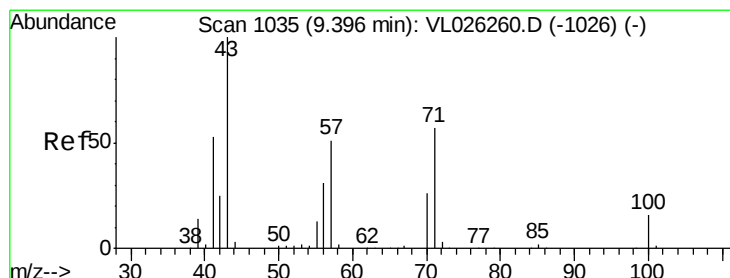
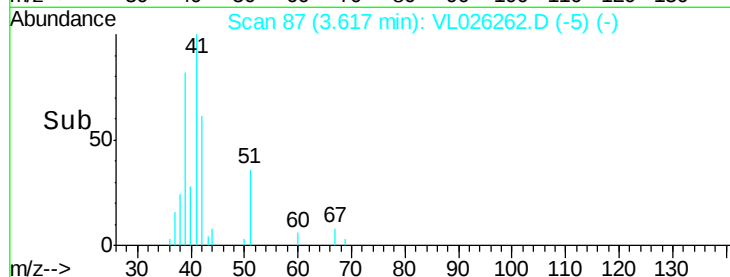
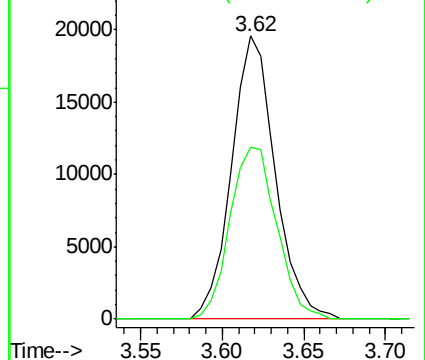
41 100

42 65.2 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: 1.05 ppbv

RT: 9.39 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VL026262.D

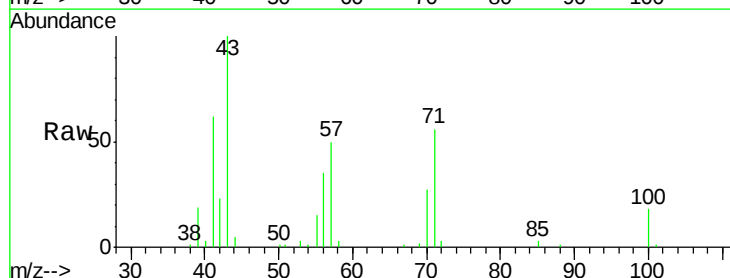
Acq: 29 Oct 2015 10:41

Tgt Ion: 43 Resp: 126087

Ion Ratio Lower Upper

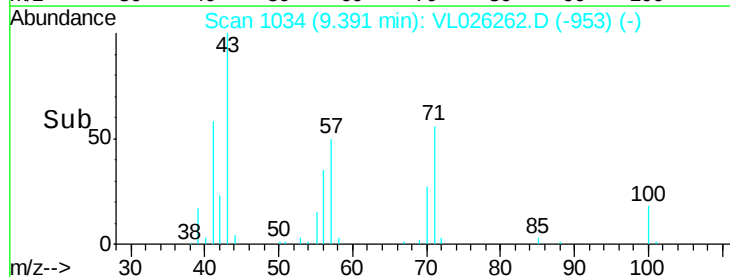
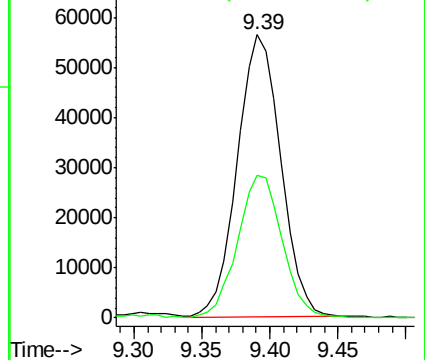
43 100

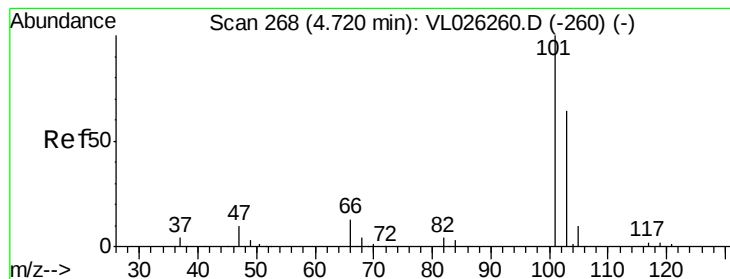
57 52.9 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 1.04 ppbv

RT: 4.72 min Scan# 268

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

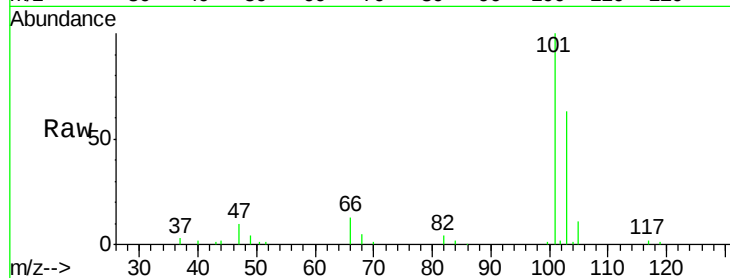
VSTDIC001

Tot Ion:101 Resp: 124666

Ion Ratio Lower Upper

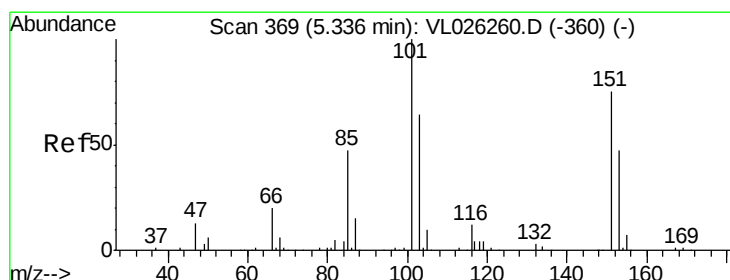
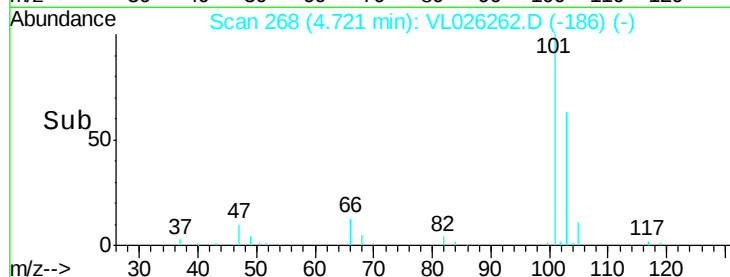
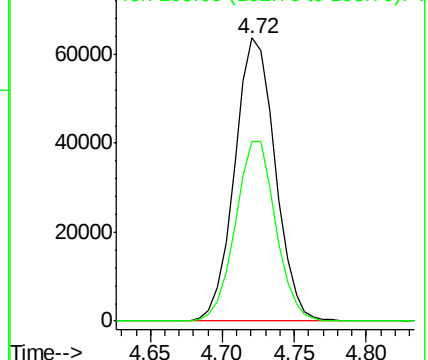
101 100

103 63.4 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: 1.04 ppbv

RT: 5.34 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL026262.D

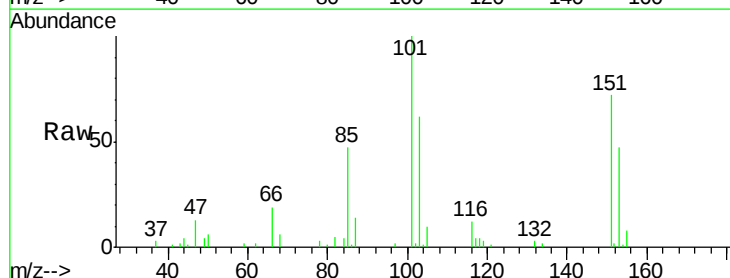
Acq: 29 Oct 2015 10:41

Tgt Ion:101 Resp: 84015

Ion Ratio Lower Upper

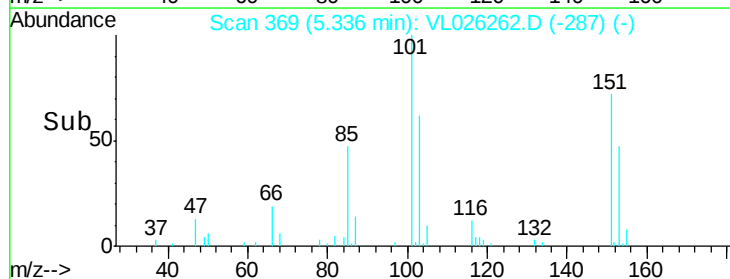
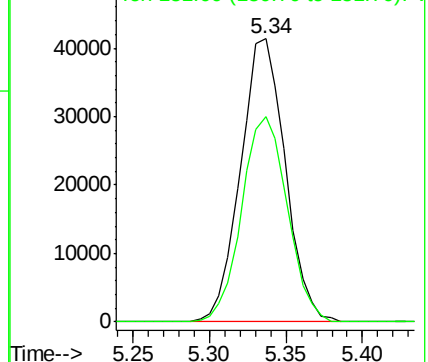
101 100

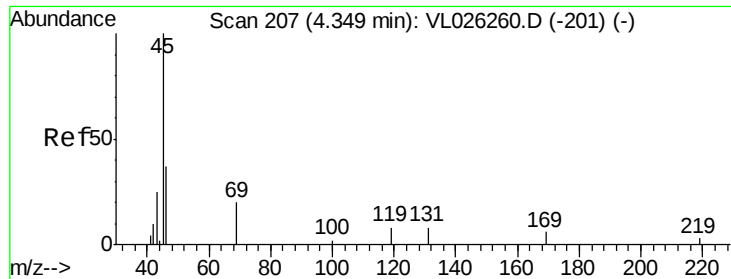
151 74.1 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.49 ppbv

RT: 4.37 min Scan# 211

Delta R.T. 0.02 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

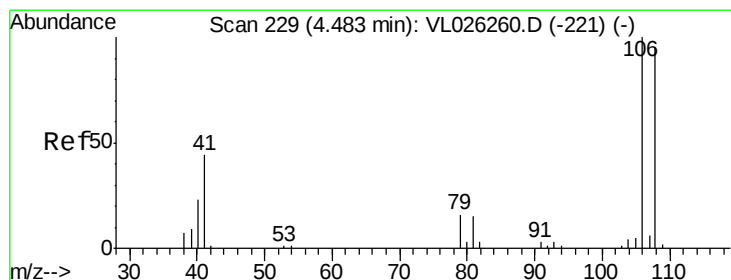
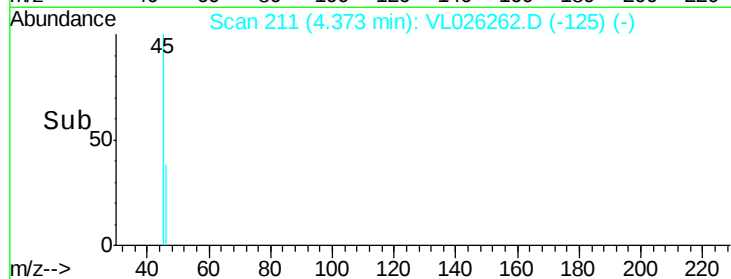
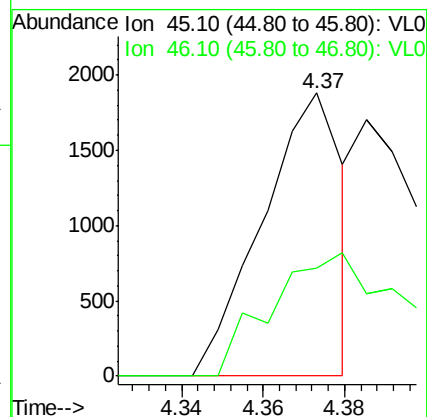
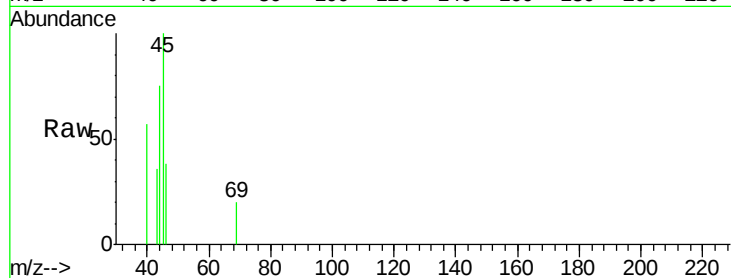
VSTDIC001

Tot Ion: 45 Resp: 2582

Ion Ratio Lower Upper

45 100

46 0.0 17.0 68.0#



#14

Bromoethene

Concen: 0.98 ppbv

RT: 4.48 min Scan# 228

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

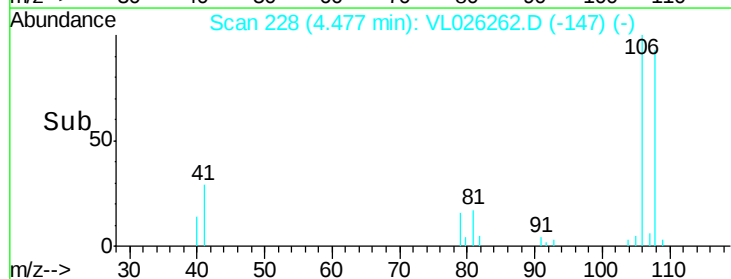
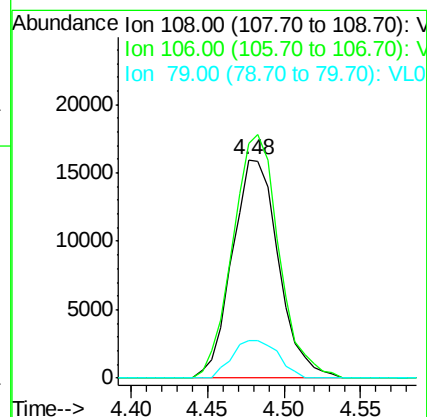
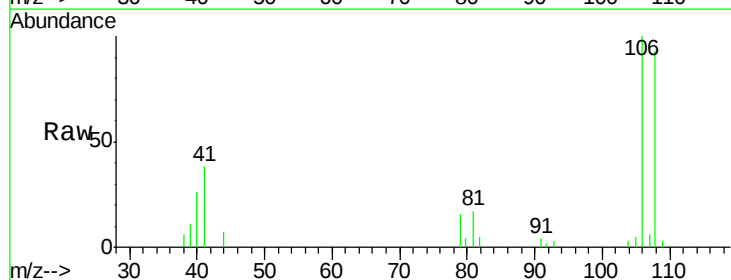
Tgt Ion: 108 Resp: 33556

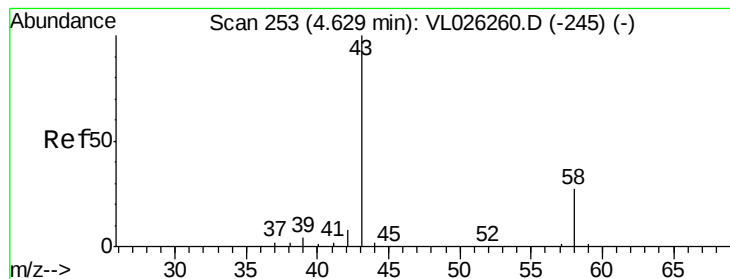
Ion Ratio Lower Upper

108 100

106 111.3 85.4 128.0

79 17.2 13.5 20.3





#15

Acetone

Concen: 1.00 ppbv

RT: 4.64 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

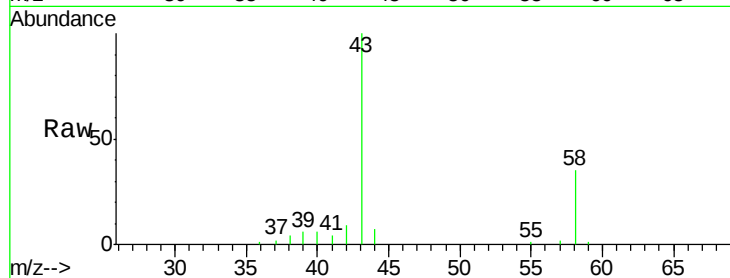
VSTDIC001

Tot Ion: 43 Resp: 85081

Ion Ratio Lower Upper

43 100

58 35.5 22.3 33.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.64

40000

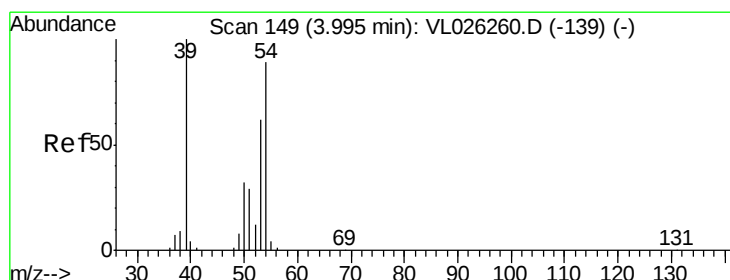
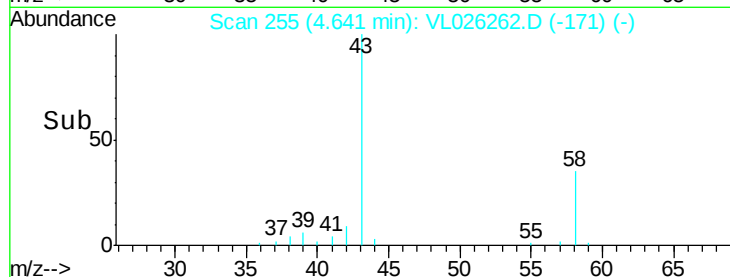
30000

20000

10000

0

Time-->



#16

1,3-Butadiene

Concen: 1.02 ppbv

RT: 4.00 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL026262.D

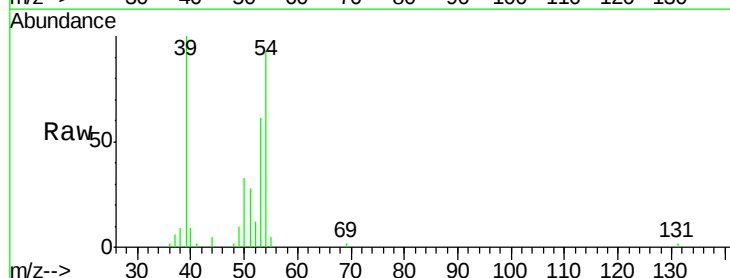
Acq: 29 Oct 2015 10:41

Tgt Ion: 39 Resp: 39798

Ion Ratio Lower Upper

39 100

54 81.9 67.3 100.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

4.00

20000

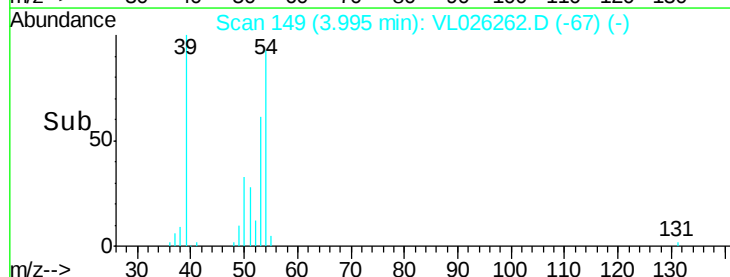
15000

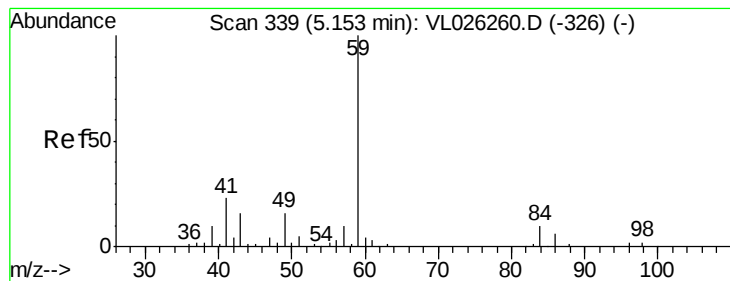
10000

5000

0

Time-->



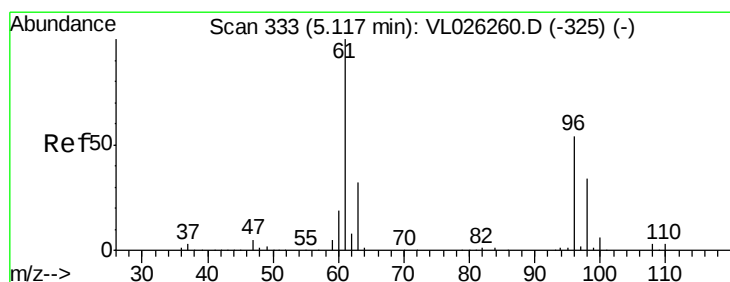
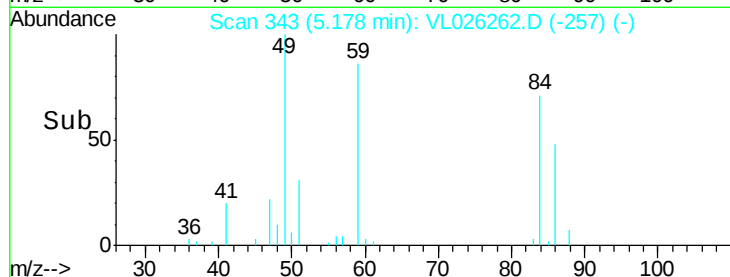
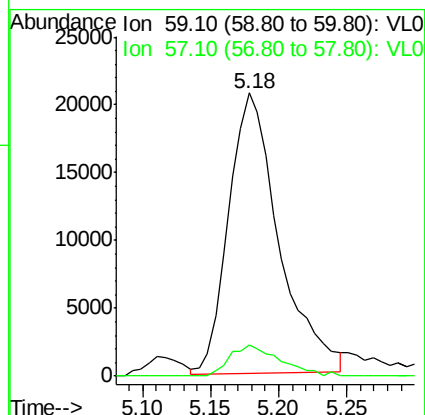
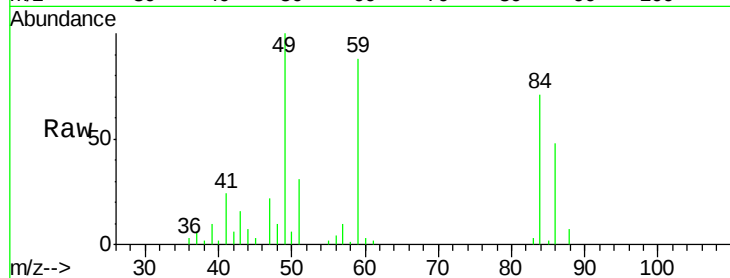


#17

tert-Butyl alcohol
Concen: 0.92 ppbv
RT: 5.18 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

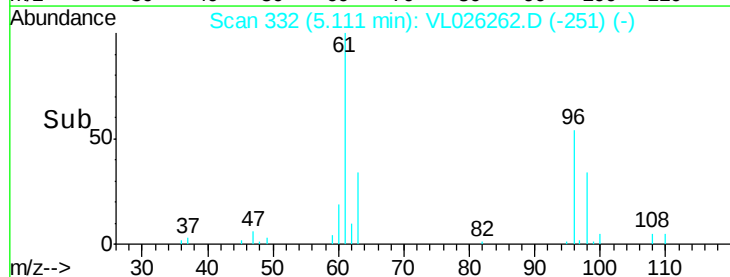
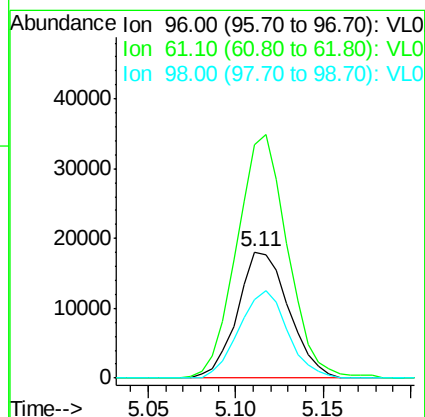
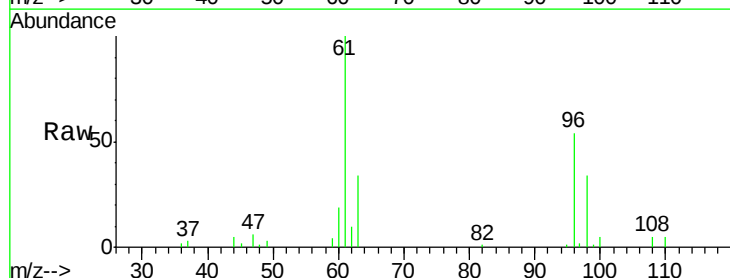
Tot Ion: 59 Resp: 53485
Ion Ratio Lower Upper
59 100
57 11.1 8.7 13.1

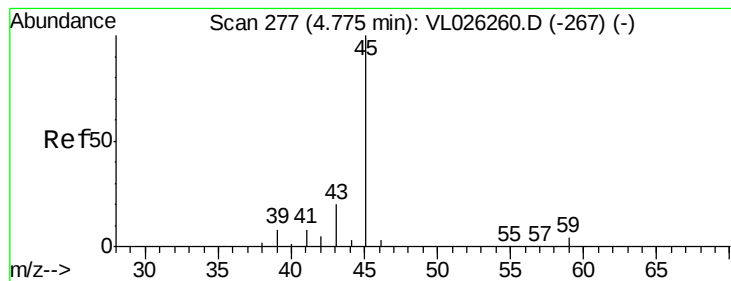


#18

1,1-Dichloroethene
Concen: 1.00 ppbv
RT: 5.11 min Scan# 332
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion: 96 Resp: 36768
Ion Ratio Lower Upper
96 100
61 183.9 147.0 220.4
98 62.3 50.1 75.1





#19

Isopropyl Alcohol

Concen: 0.96 ppbv

RT: 4.80 min Scan# 281

Delta R.T. 0.02 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

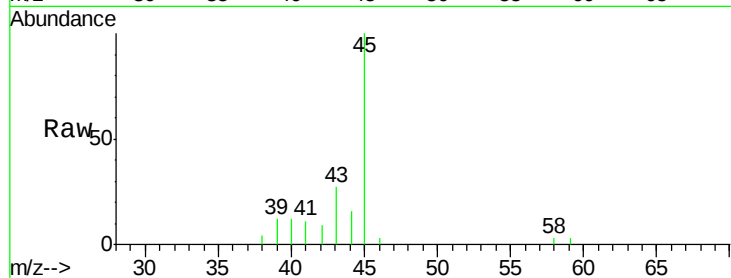
VSTDIC001

Tot Ion: 45 Resp: 32218

Ion Ratio Lower Upper

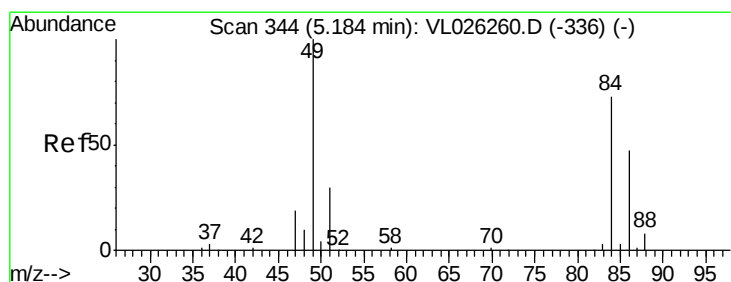
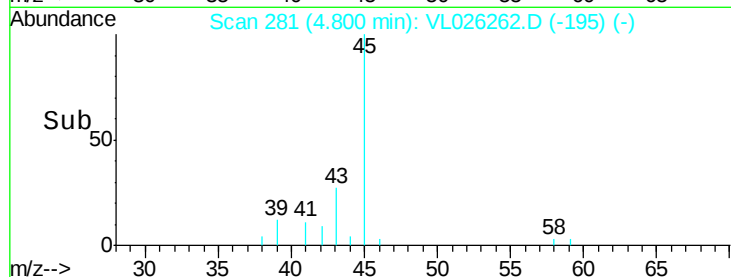
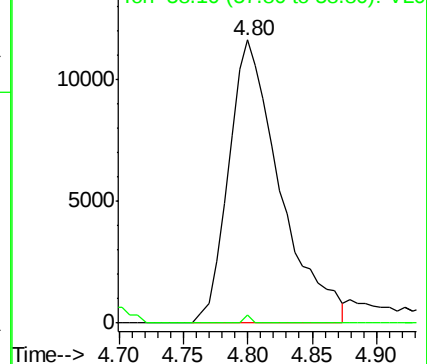
45 100

58 93.7 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: 1.03 ppbv

RT: 5.18 min Scan# 343

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion: 84 Resp: 35410

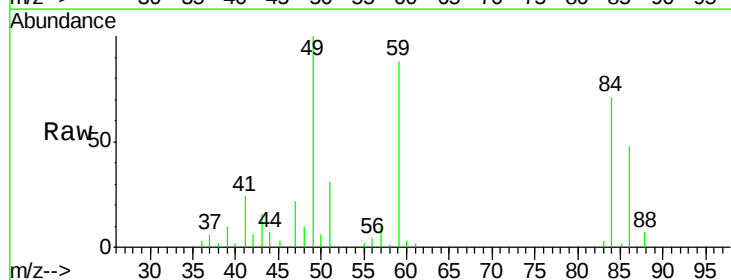
Ion Ratio Lower Upper

84 100

49 137.6 109.0 163.4

51 43.6 32.8 49.2

86 67.2 50.8 76.2

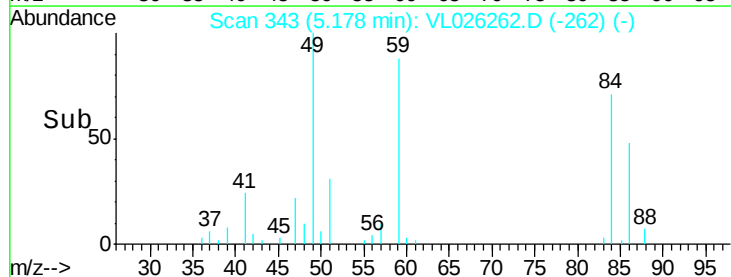
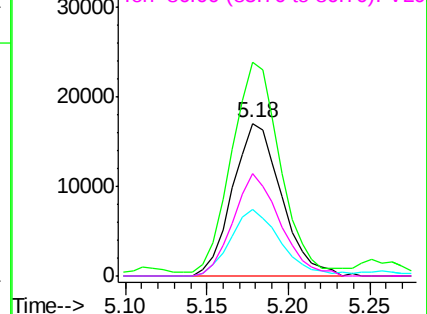


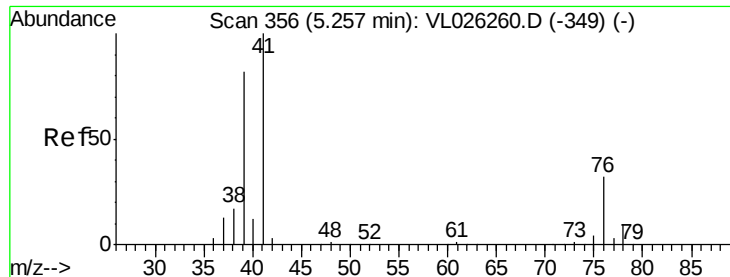
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 1.00 ppbv

RT: 5.26 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

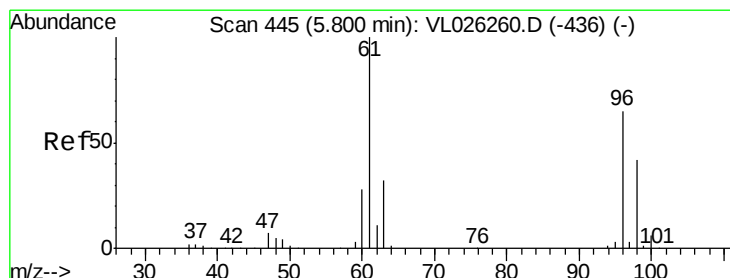
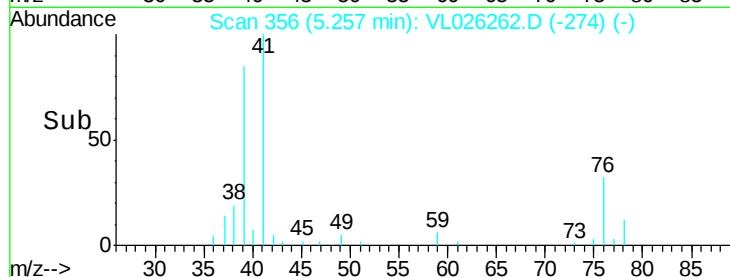
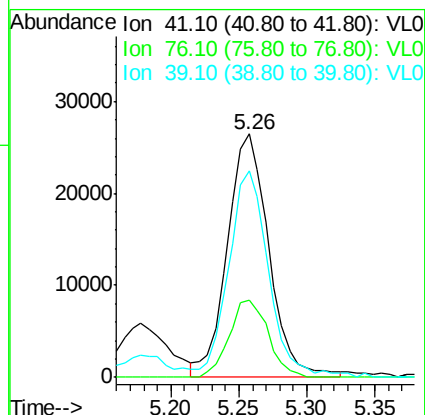
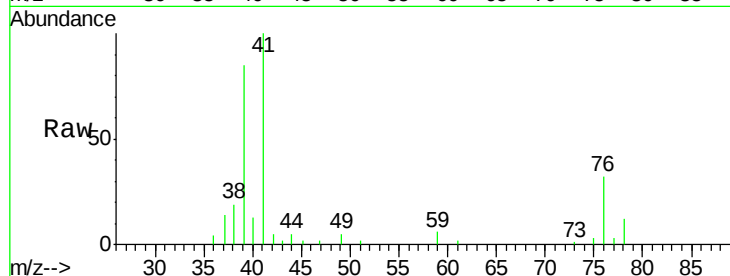
Tot Ion: 41 Resp: 56294

Ion Ratio Lower Upper

41 100

76 29.7 25.9 38.9

39 93.3 65.8 98.6



#22

trans-1,2-Dichloroethene

Concen: 1.02 ppbv

RT: 5.80 min Scan# 445

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

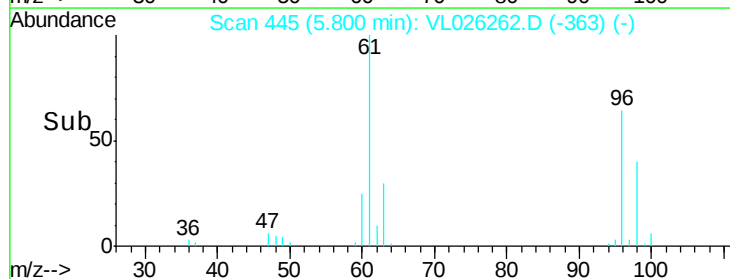
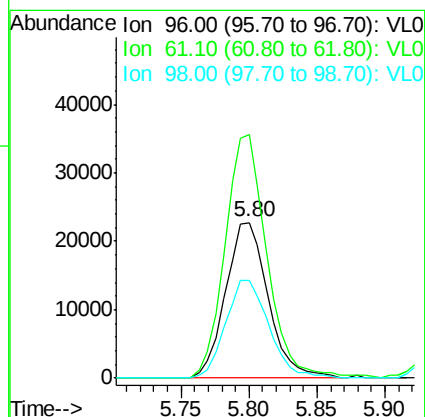
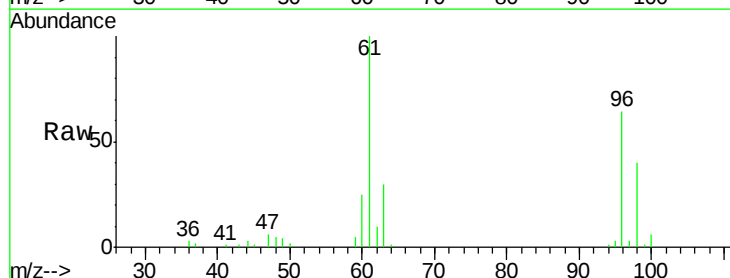
Tgt Ion: 96 Resp: 49621

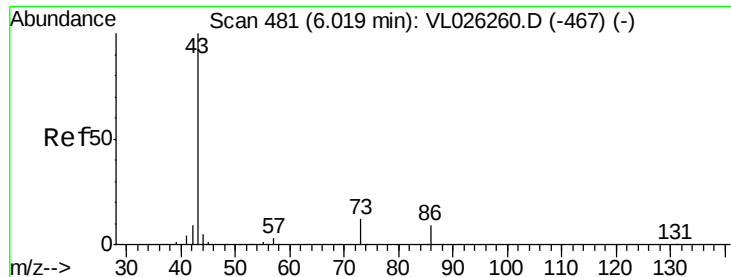
Ion Ratio Lower Upper

96 100

61 156.2 123.2 184.8

98 62.4 51.4 77.0





#23

Vinyl Acetate

Concen: 0.93 ppbv

RT: 6.01 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

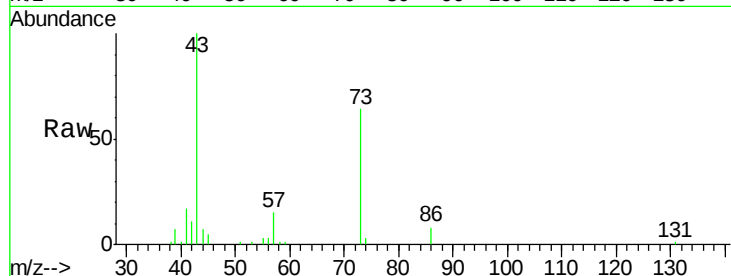
MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 148013

Ion	Ratio	Lower	Upper
43	100		
86	7.7	7.3	10.9
42	10.9	7.2	10.8#
44	5.4	3.8	5.8

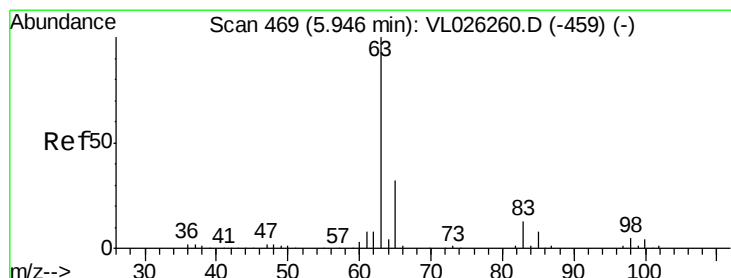
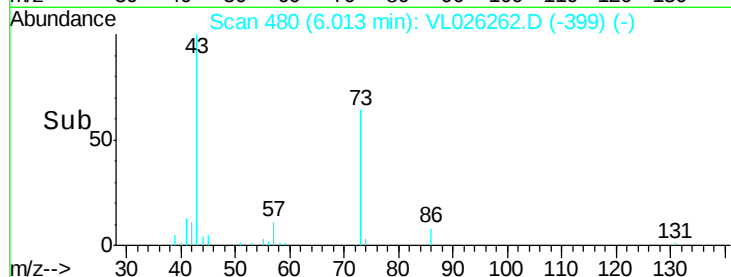
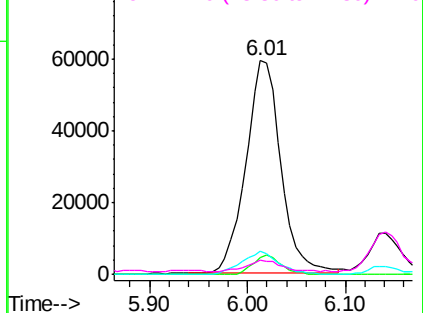


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 1.07 ppbv

RT: 5.94 min Scan# 468

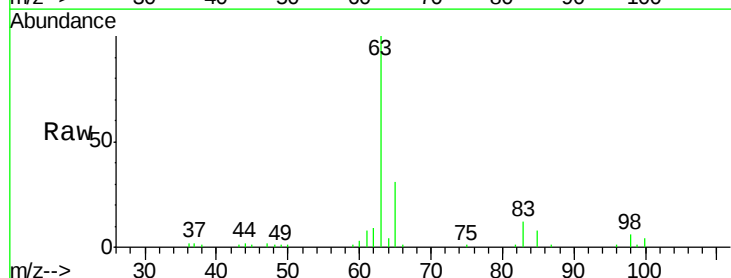
Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion: 63 Resp: 109247

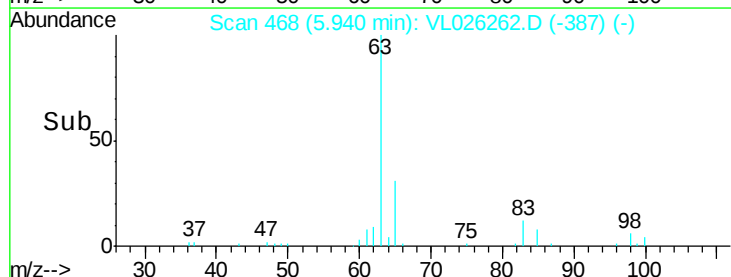
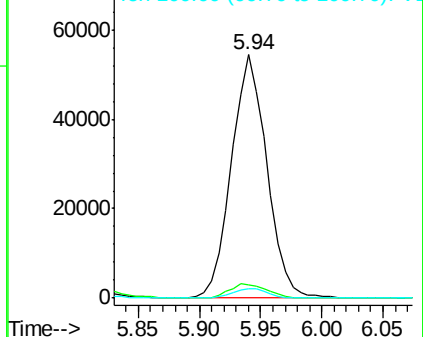
Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.7	8.1
100	3.7	1.9	5.7

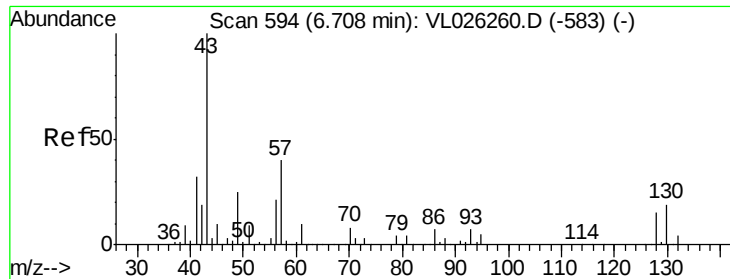


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

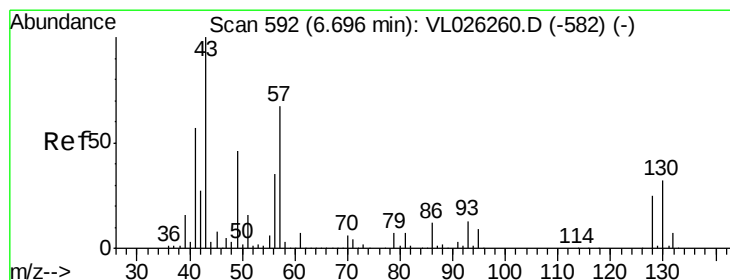
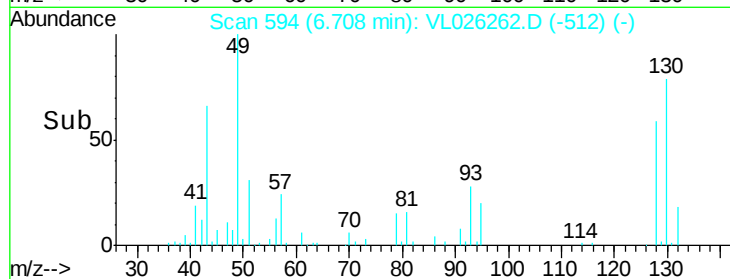
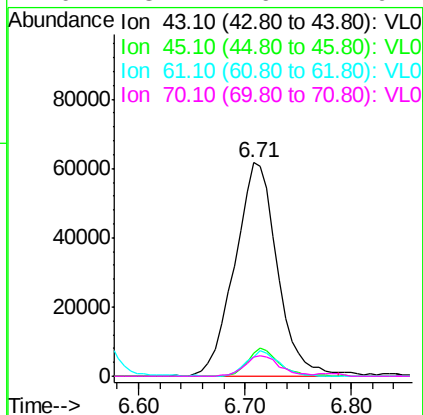
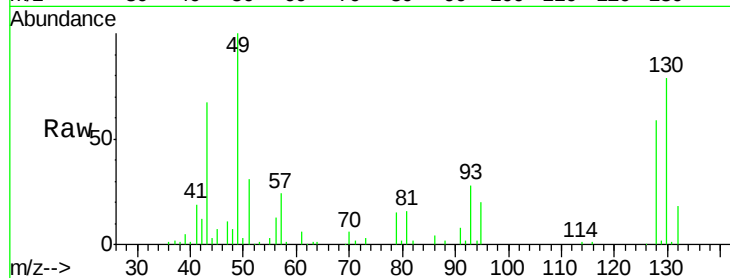




#25
Ethyl Acetate
Concen: 1.06 ppbv
RT: 6.71 min Scan# 594
Delta R.T. 0.00 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

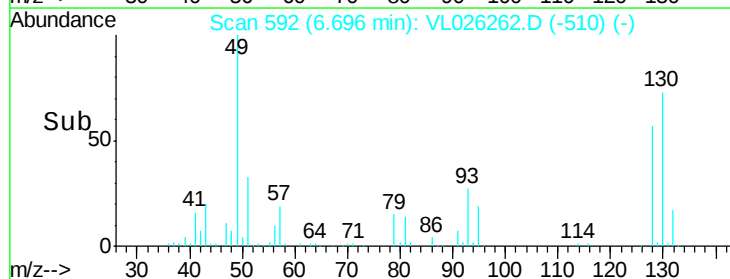
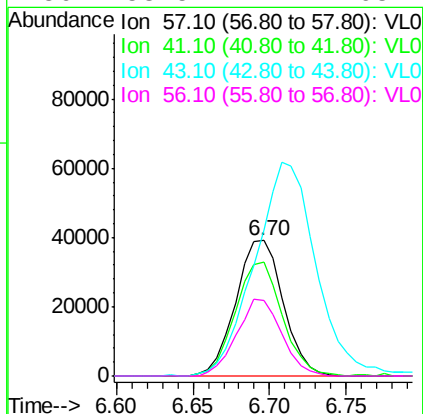
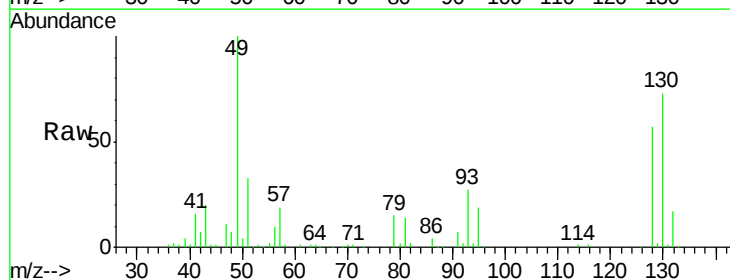
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

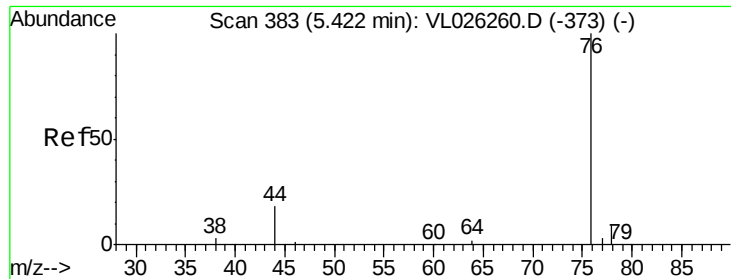
Tot Ion:	43	Resp:	172229
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.6	11.4
61	9.1	7.4	11.2
70	8.7	6.7	10.1



#26
Hexane
Concen: 1.04 ppbv
RT: 6.70 min Scan# 592
Delta R.T. 0.00 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion:	57	Resp:	84441
Ion	Ratio	Lower	Upper
57	100		
41	83.7	67.4	101.2
43	208.8	163.9	245.9
56	53.5	42.2	63.2





#27

Carbon Disulfide

Concen: 0.93 ppbv

RT: 5.42 min Scan# 383

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

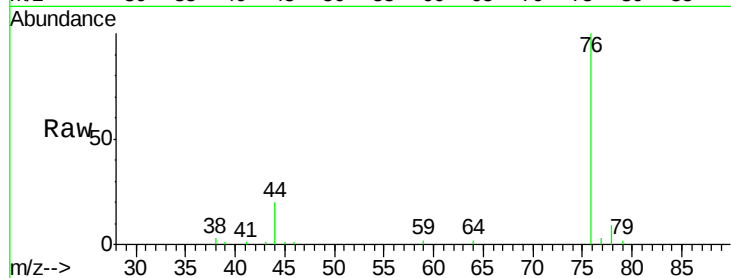
Tot Ion: 76 Resp: 94343

Ion Ratio Lower Upper

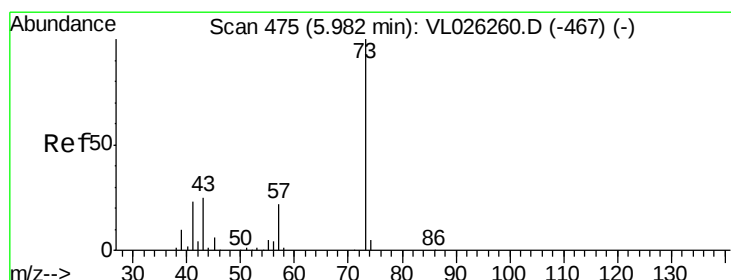
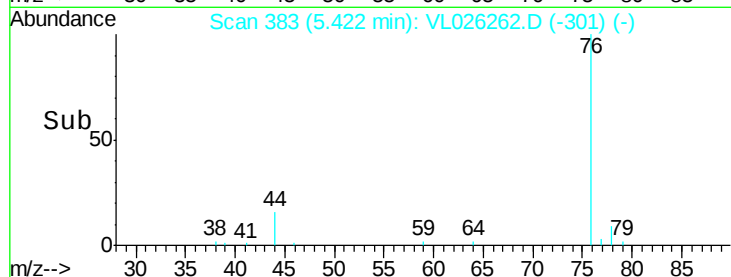
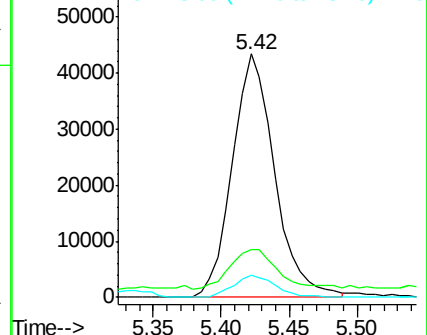
76 100

44 18.5 14.1 21.1

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.99 ppbv

RT: 5.99 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL026262.D

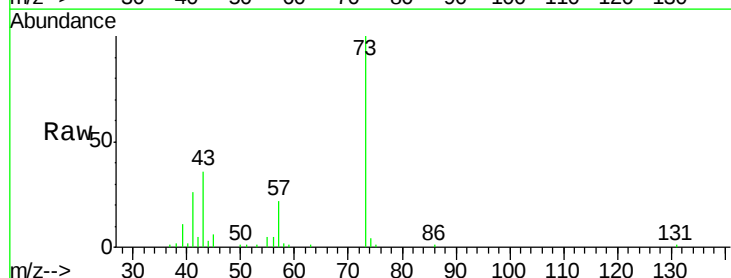
Acq: 29 Oct 2015 10:41

Tgt Ion: 73 Resp: 145061

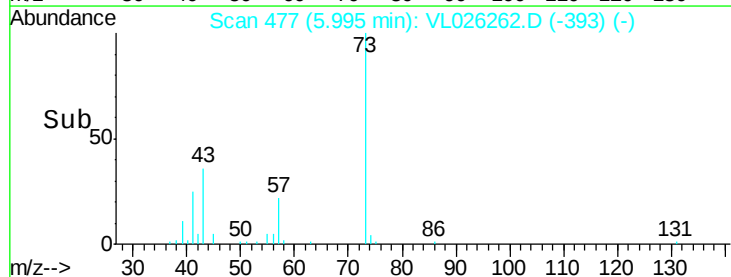
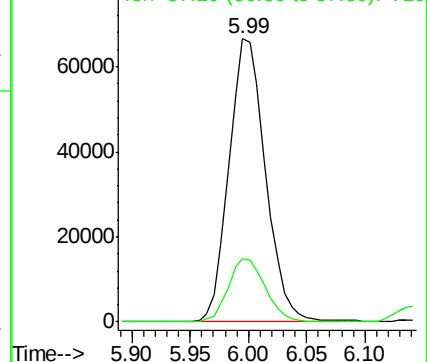
Ion Ratio Lower Upper

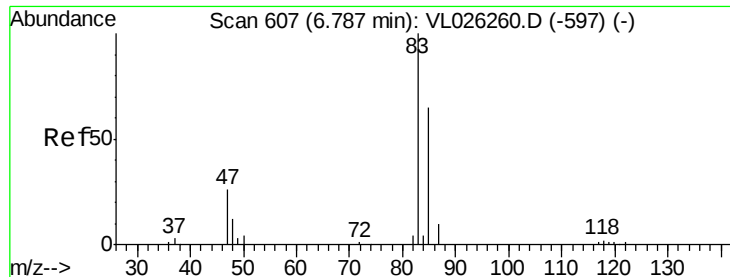
73 100

57 22.5 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

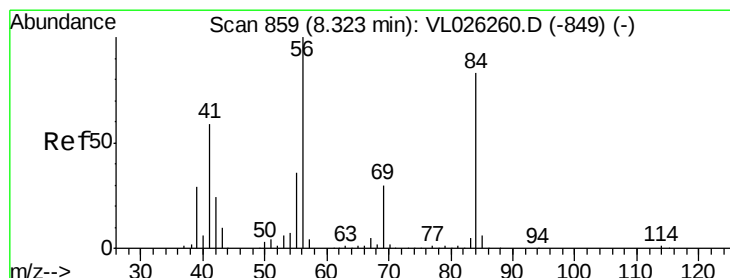
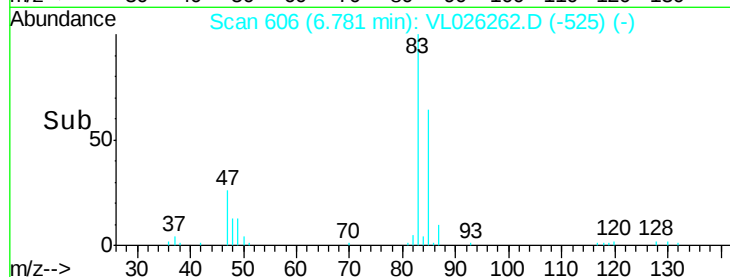
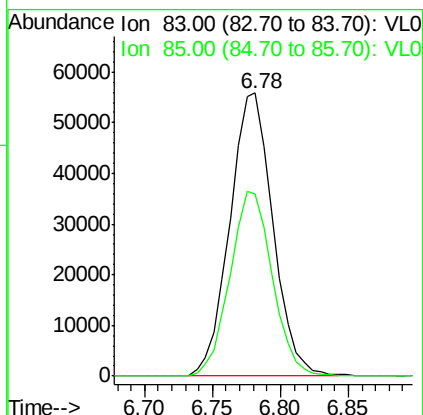
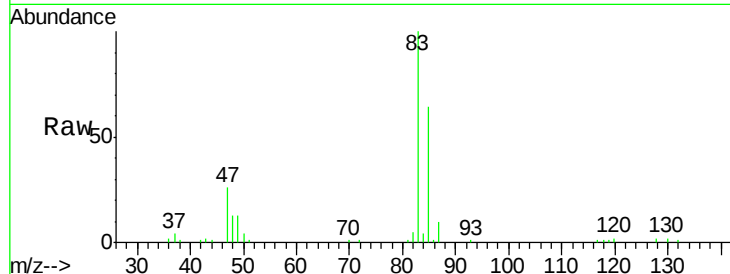




#29
Chloroform
Concen: 1.05 ppbv
RT: 6.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

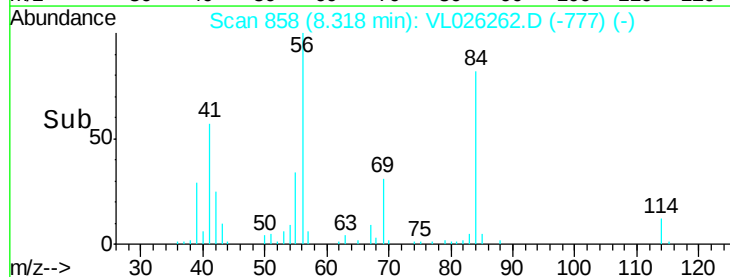
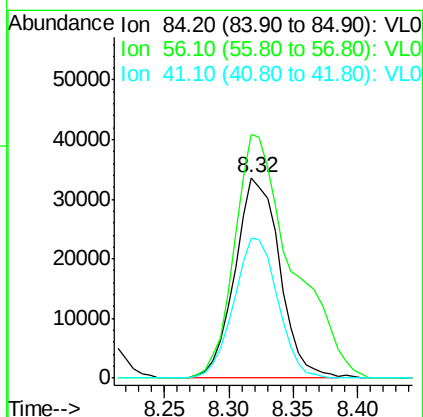
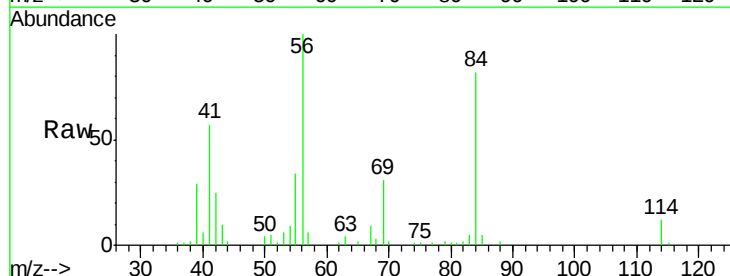
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

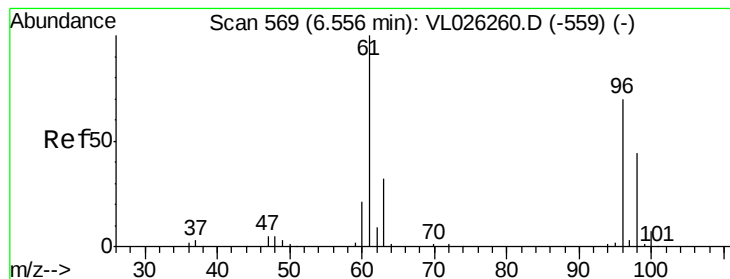
Tot Ion: 83 Resp: 123541
Ion Ratio Lower Upper
83 100
85 64.3 52.0 78.0



#30
Cyclohexane
Concen: 1.00 ppbv
RT: 8.32 min Scan# 858
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion: 84 Resp: 81209
Ion Ratio Lower Upper
84 100
56 156.6 99.6 149.4#
41 68.5 56.7 85.1





#31

cis-1,2-Dichloroethene

Concen: 1.01 ppbv

RT: 6.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

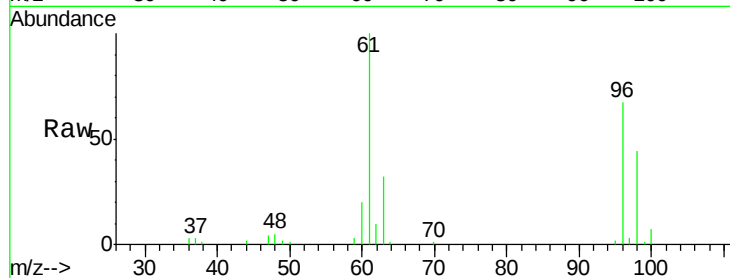
Tot Ion: 61 Resp: 74952

Ion Ratio Lower Upper

61 100

96 67.2 56.2 84.4

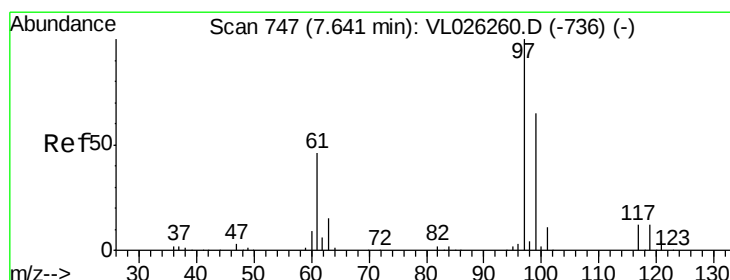
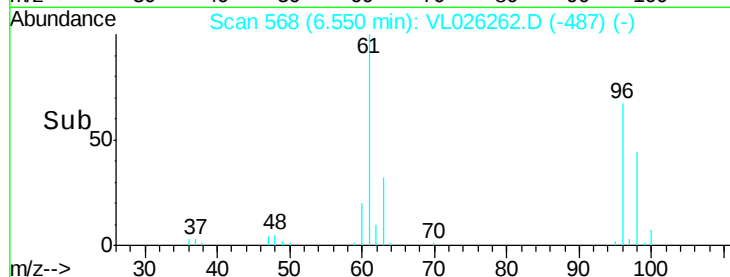
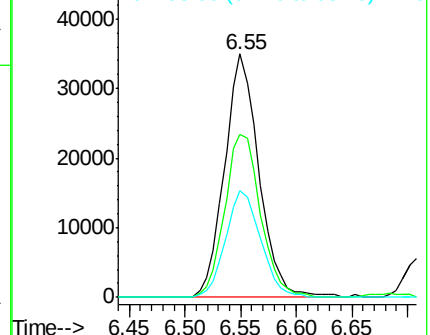
98 43.9 35.4 53.2



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.94 ppbv

RT: 7.63 min Scan# 746

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

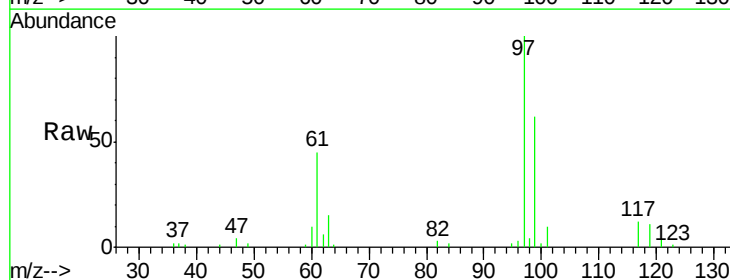
Tgt Ion: 97 Resp: 121552

Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

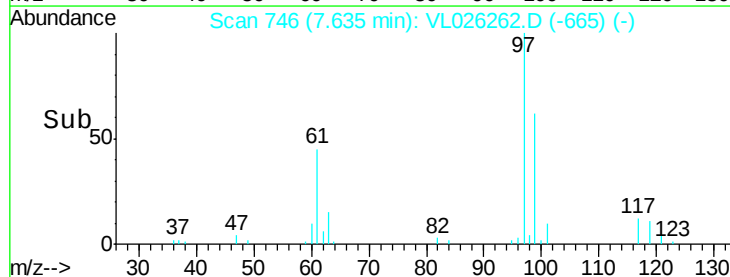
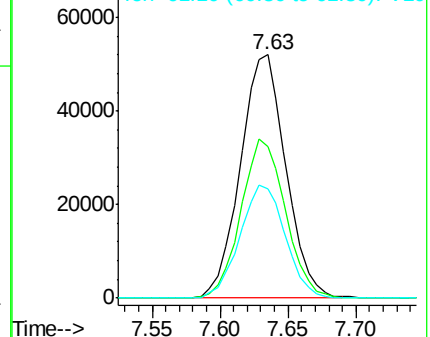
61 46.4 37.1 55.7

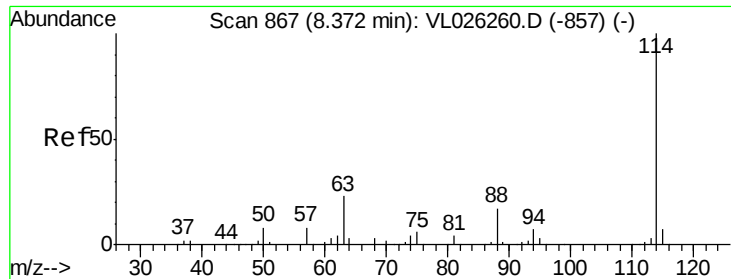


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

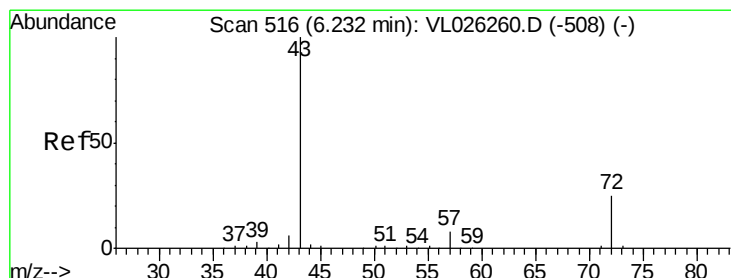
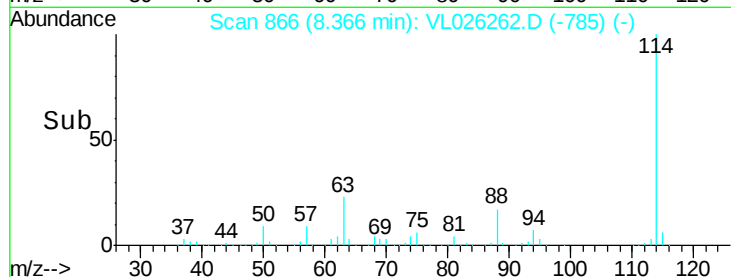
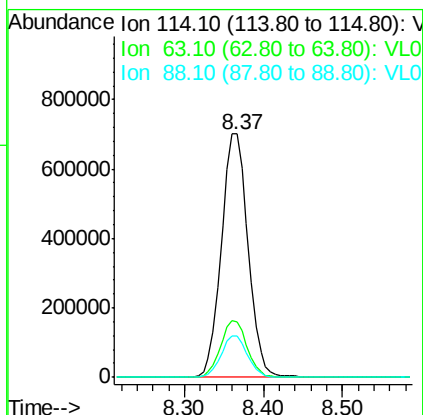
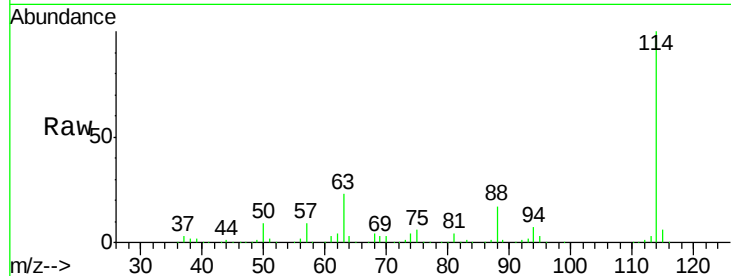




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

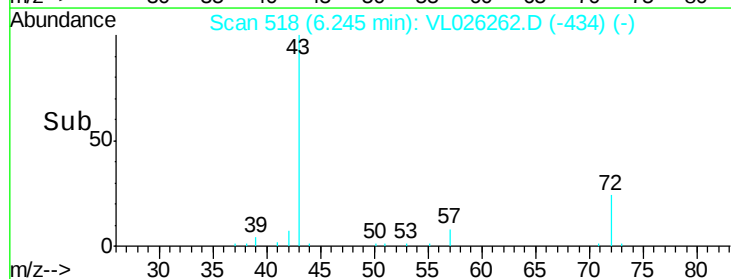
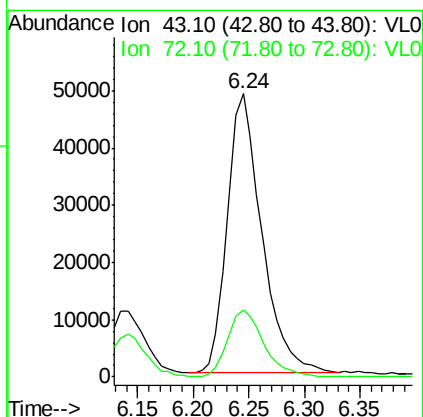
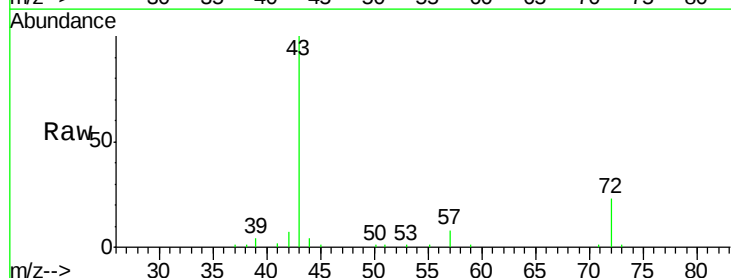
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

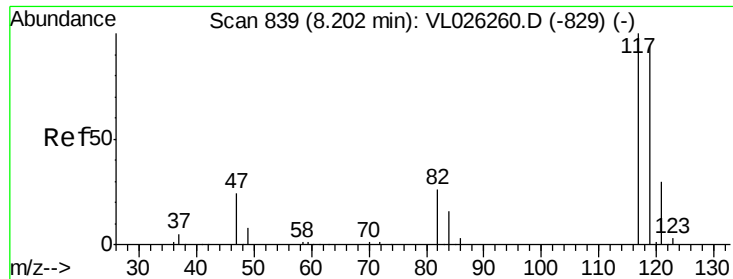
Tot Ion:114 Resp: 1657811
 Ion Ratio Lower Upper
 114 100
 63 23.0 18.6 28.0
 88 16.8 13.4 20.2



#34
 2-Butanone
 Concen: 1.09 ppbv
 RT: 6.24 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion: 43 Resp: 105066
 Ion Ratio Lower Upper
 43 100
 72 25.0 19.9 29.9





#35

Carbon Tetrachloride

Concen: 0.96 ppbv

RT: 8.20 min Scan# 838

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

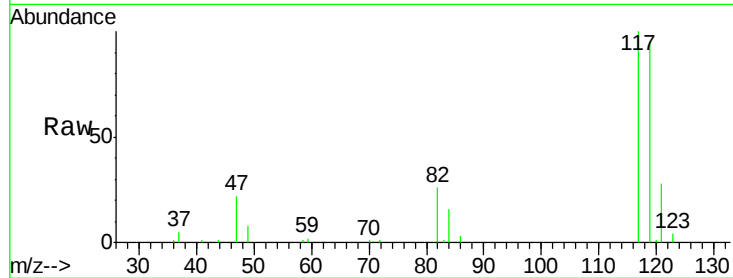
Tot Ion:117 Resp: 120217

Ion Ratio Lower Upper

117 100

119 95.1 75.2 112.8

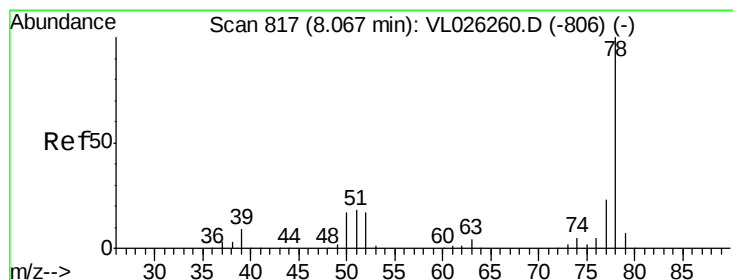
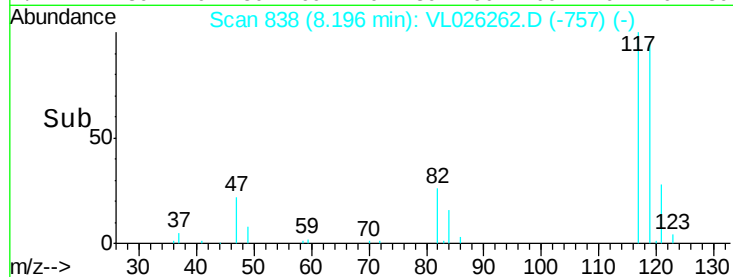
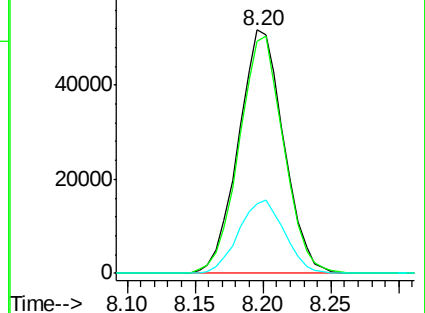
121 28.4 24.2 36.2



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: 1.10 ppbv

RT: 8.06 min Scan# 816

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

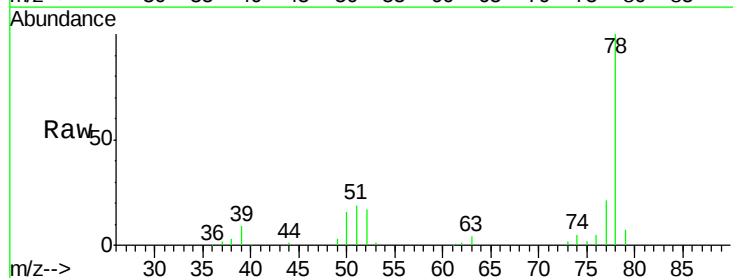
Tgt Ion: 78 Resp: 189116

Ion Ratio Lower Upper

78 100

77 21.2 18.0 27.0

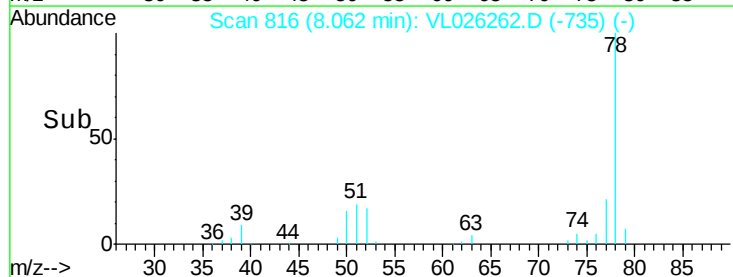
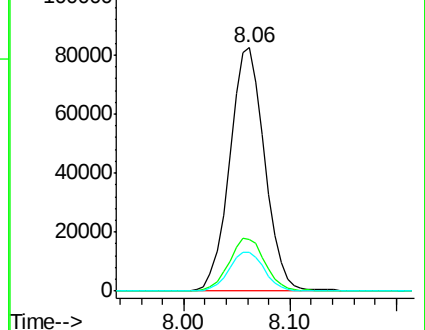
50 16.0 13.3 19.9

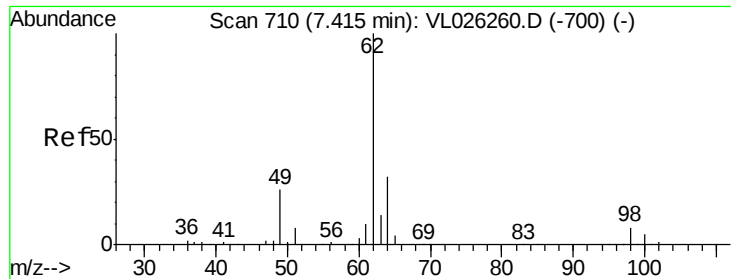


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

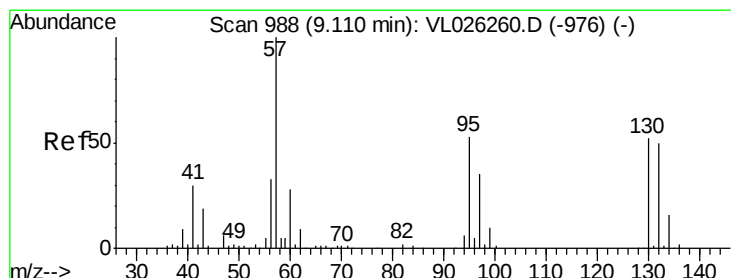
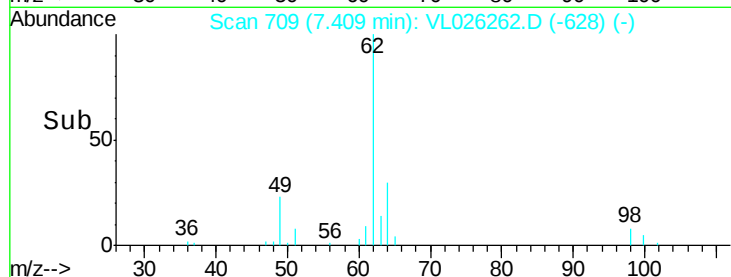
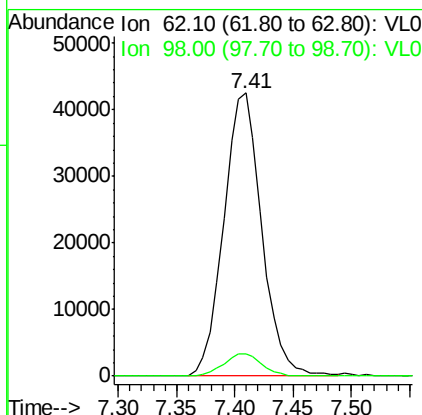
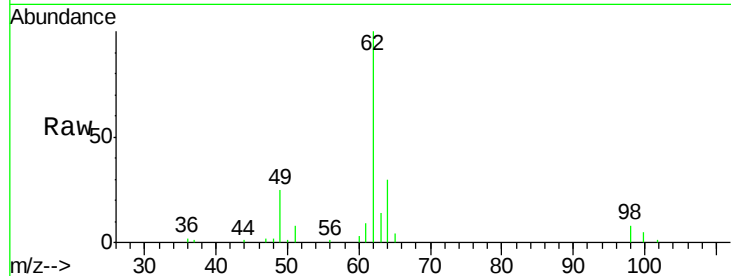




#37
 1,2-Dichloroethane
 Concen: 1.09 ppbv
 RT: 7.41 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

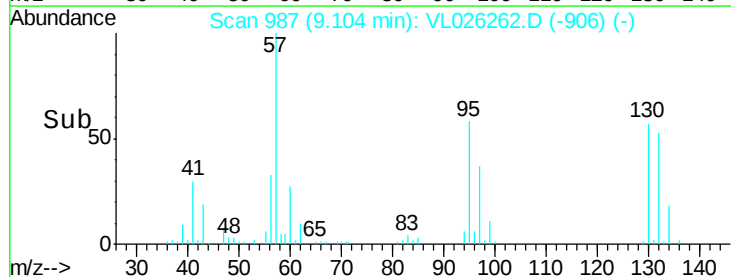
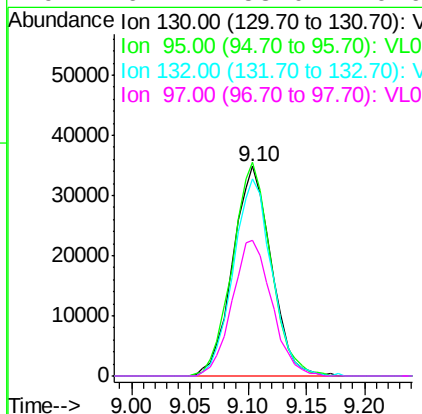
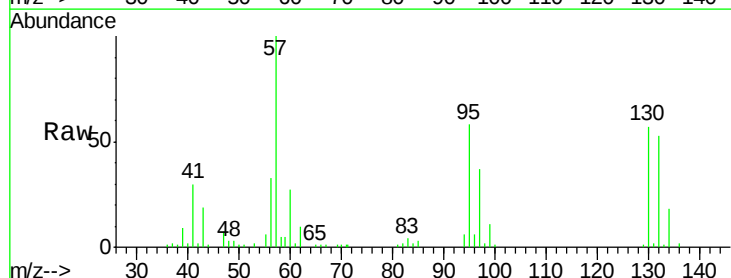
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

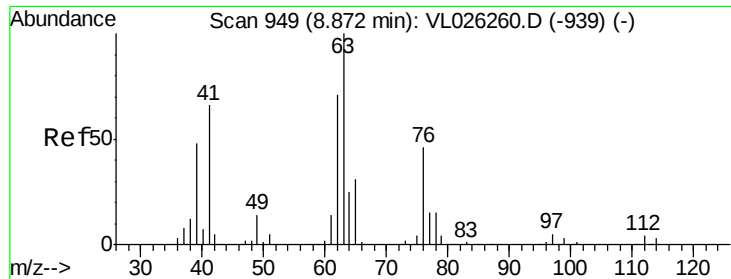
Tot Ion: 62 Resp: 96243
 Ion Ratio Lower Upper
 62 100
 98 7.9 6.3 9.5



#38
 Trichloroethene
 Concen: 0.99 ppbv
 RT: 9.10 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion: 130 Resp: 80349
 Ion Ratio Lower Upper
 130 100
 95 102.0 80.8 121.2
 132 94.0 76.2 114.2
 97 64.7 53.0 79.6

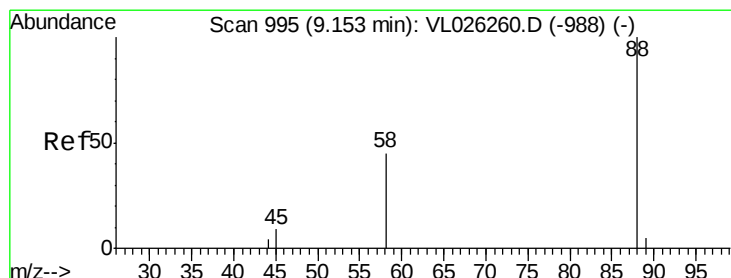
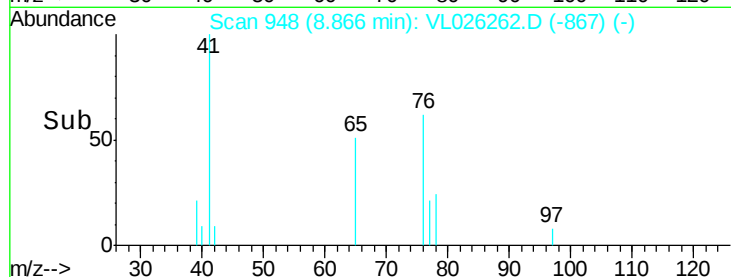
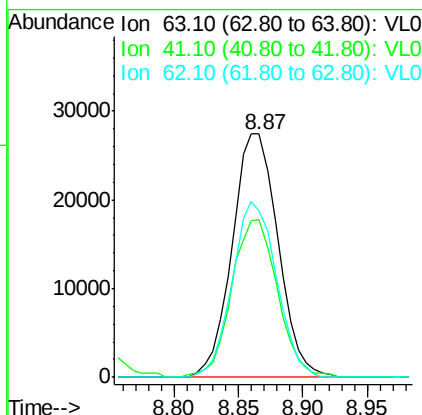
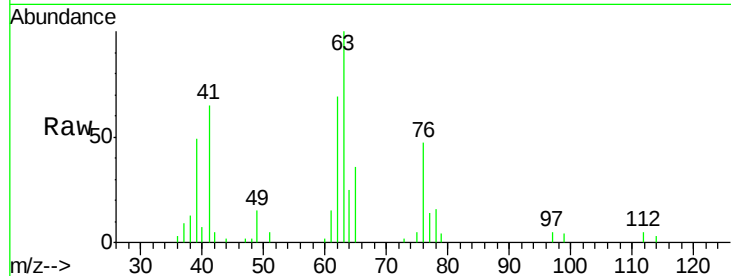




#39
 1,2-Dichloropropane
 Concen: 1.11 ppbv
 RT: 8.87 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

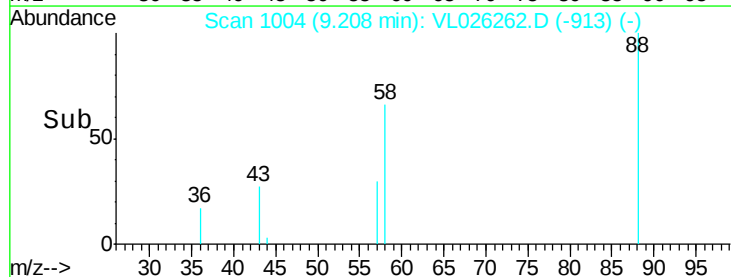
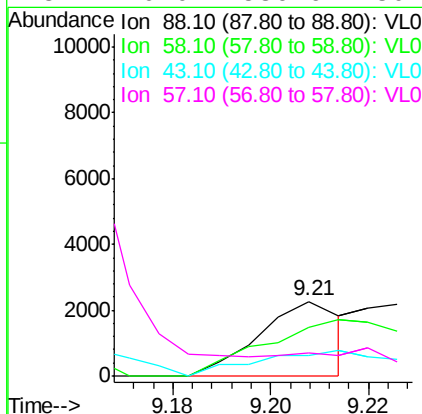
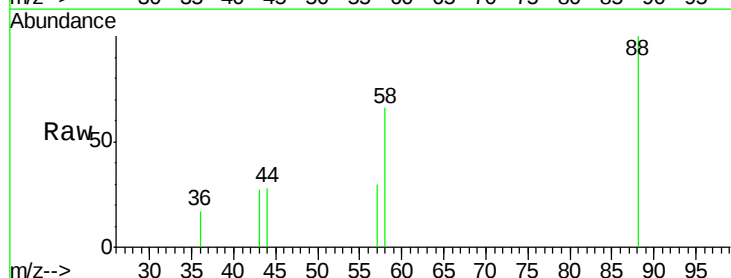
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

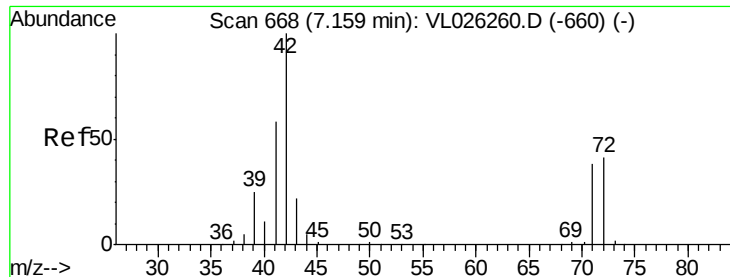
Tot Ion: 63 Resp: 67926
 Ion Ratio Lower Upper
 63 100
 41 64.9 53.2 79.8
 62 68.7 57.1 85.7



#40
 1,4-Dioxane
 Concen: 0.24 ppbv
 RT: 9.21 min Scan# 1004
 Delta R.T. 0.06 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion: 88 Resp: 2651
 Ion Ratio Lower Upper
 88 100
 58 296.7 126.2 189.2#
 43 0.0 307.3 460.9#
 57 0.0 1536.6 2304.8#





#41

Tetrahydrofuran

Concen: 1.06 ppbv

RT: 7.18 min Scan# 672

Delta R.T. 0.02 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

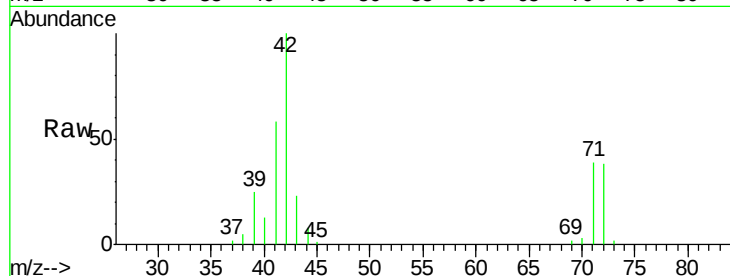
Tot Ion: 42 Resp: 59595

Ion Ratio Lower Upper

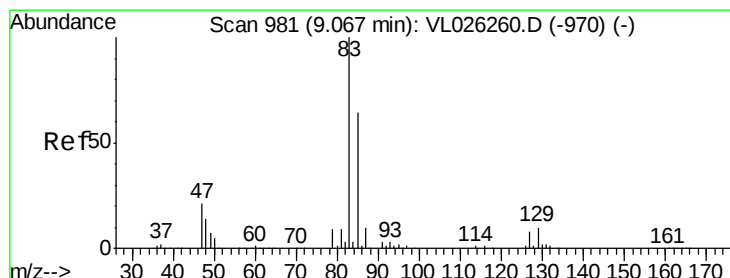
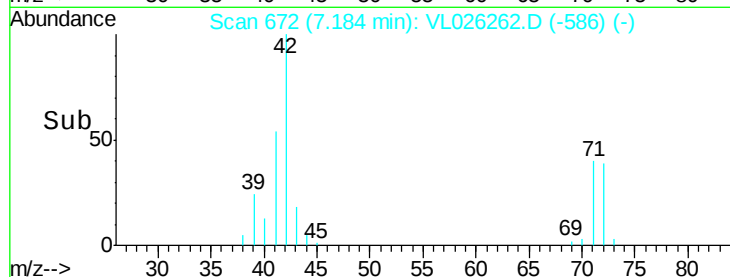
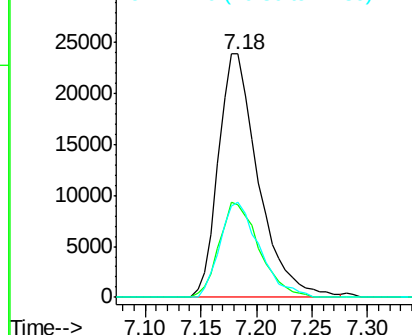
42 100

72 38.9 32.2 48.4

71 38.5 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



#42

Bromodichloromethane

Concen: 1.01 ppbv

RT: 9.06 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

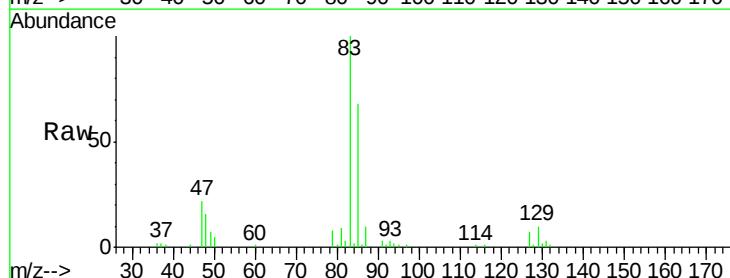
Tgt Ion: 83 Resp: 125672

Ion Ratio Lower Upper

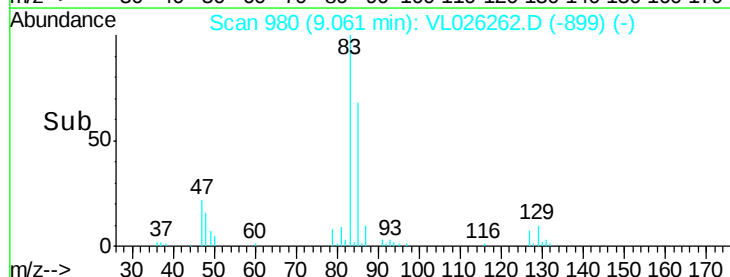
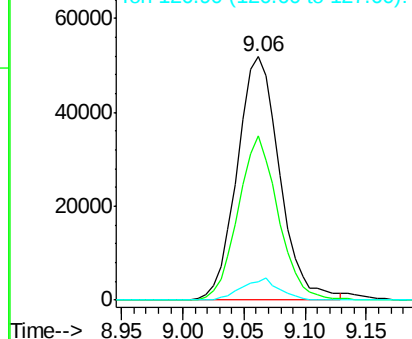
83 100

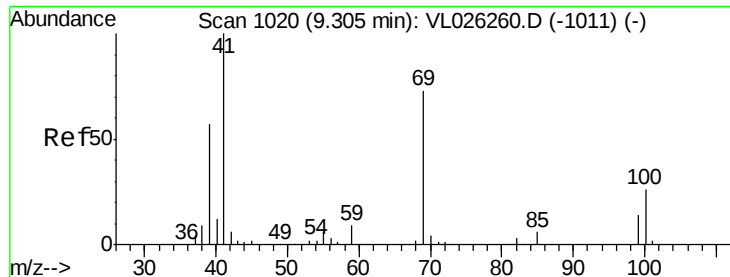
85 67.5 51.2 76.8

127 7.5 6.2 9.4



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

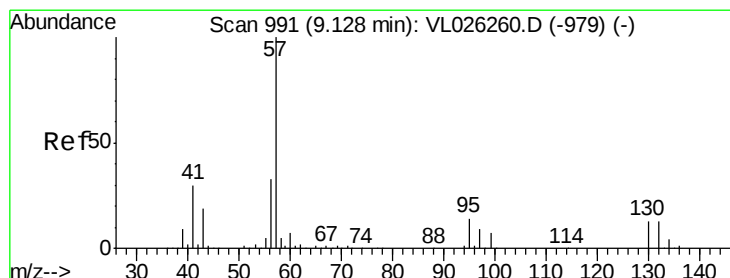
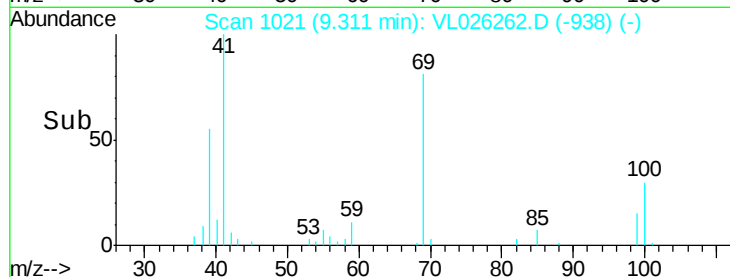
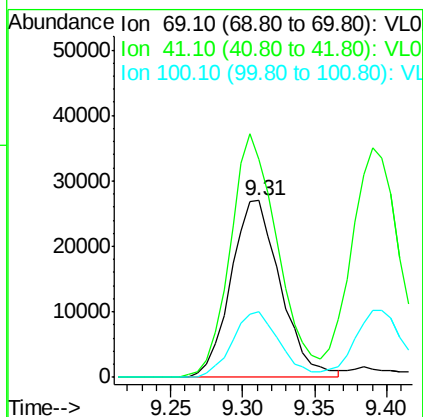
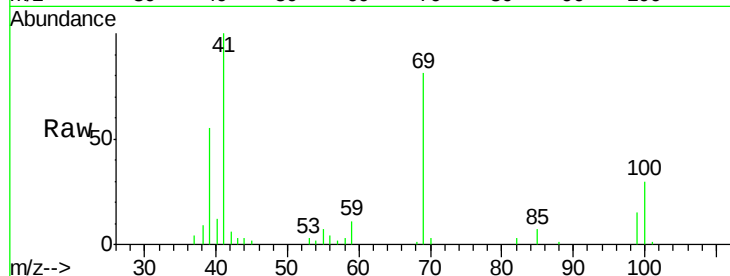




#43
Methvl Methacrilate
Concen: 1.03 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

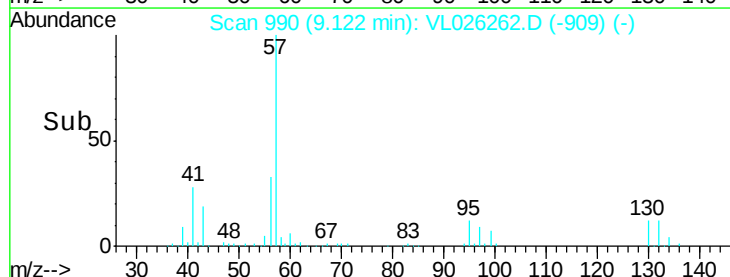
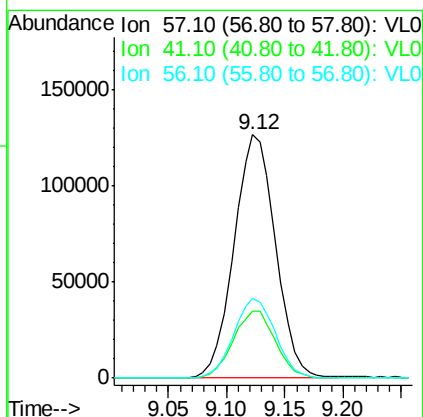
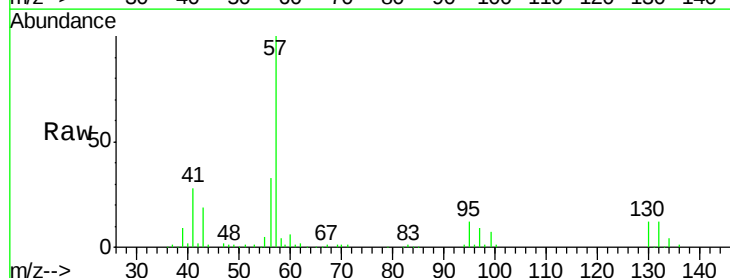
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

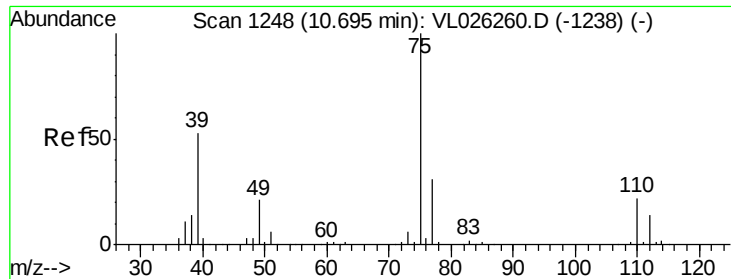
Tot Ion: 69 Resp: 64527
Ion Ratio Lower Upper
69 100
41 130.6 110.0 165.0
100 34.9 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 1.12 ppbv
RT: 9.12 min Scan# 990
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion: 57 Resp: 314889
Ion Ratio Lower Upper
57 100
41 28.1 23.1 34.7
56 32.8 26.3 39.5

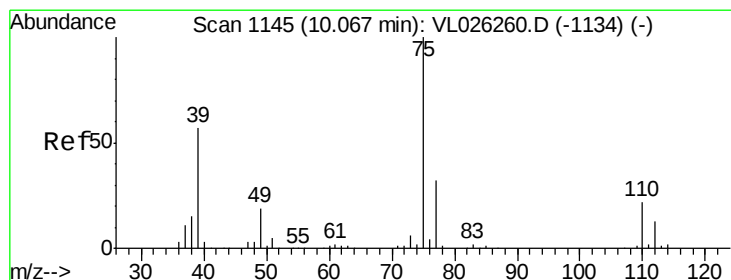
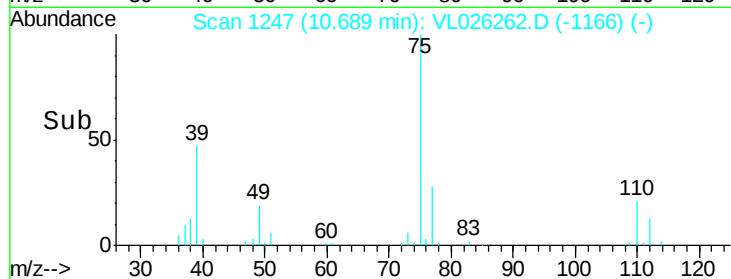
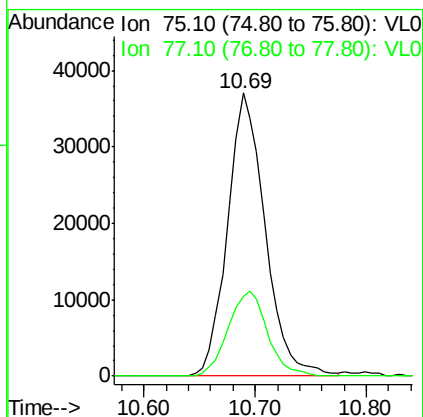
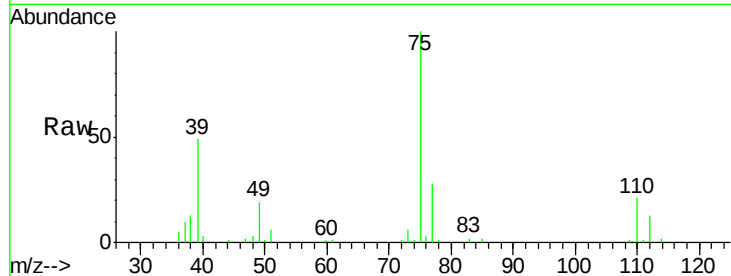




#45
 t-1,3-Dichloropropene
 Concen: 0.92 ppbv
 RT: 10.69 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

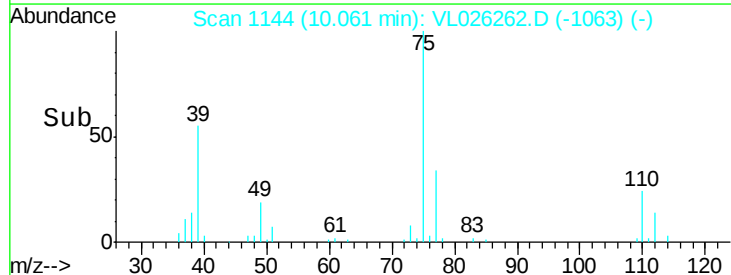
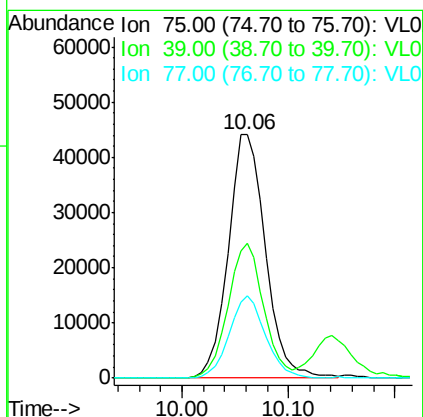
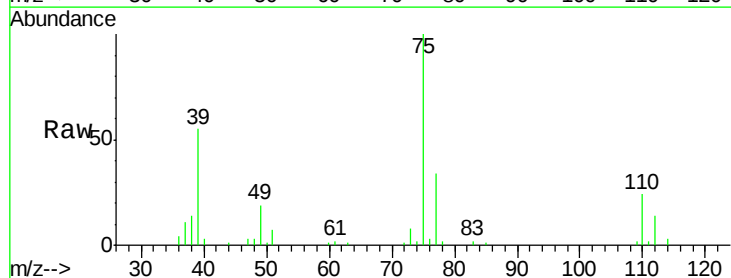
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

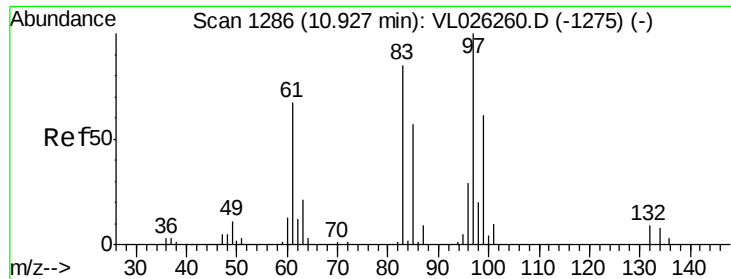
Tot Ion: 75 Resp: 86894
 Ion Ratio Lower Upper
 75 100
 77 28.0 24.7 37.1



#46
 cis-1,3-Dichloropropene
 Concen: 0.96 ppbv
 RT: 10.06 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion: 75 Resp: 108066
 Ion Ratio Lower Upper
 75 100
 39 55.4 45.8 68.8
 77 33.8 25.3 37.9



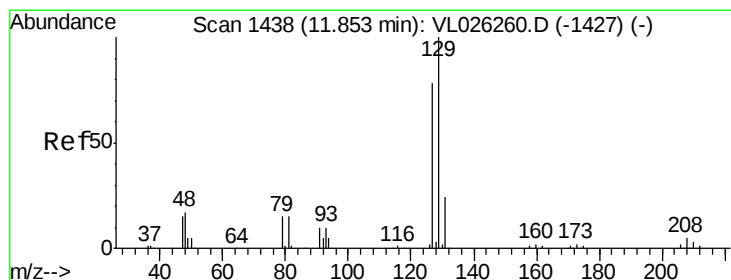
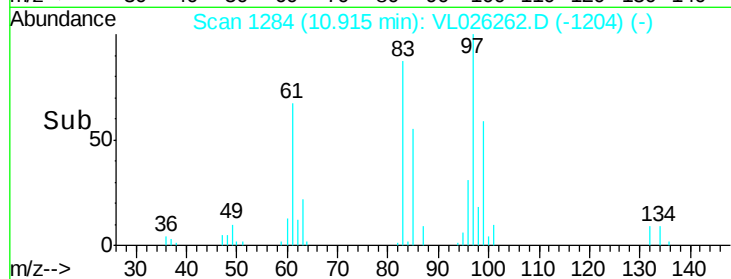
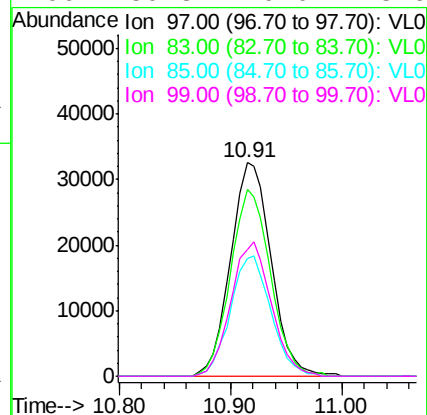
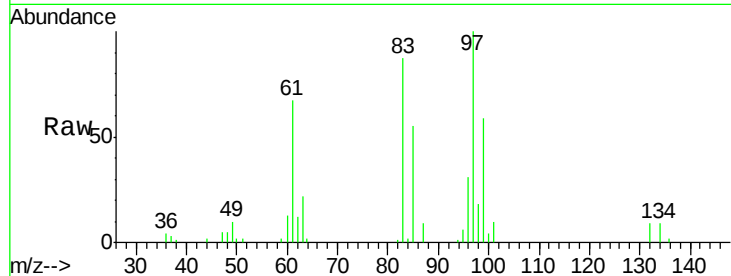


#47
 1,1,2-Trichloroethane
 Concen: 1.09 ppbv
 RT: 10.91 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 97 Resp: 82247

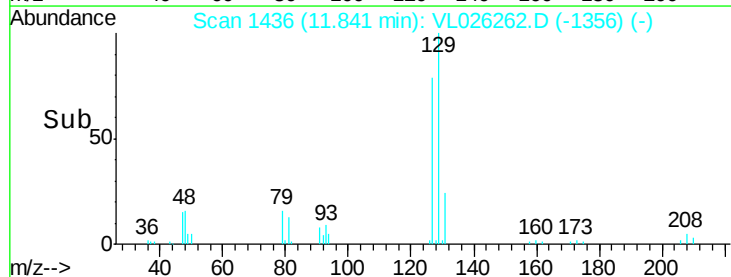
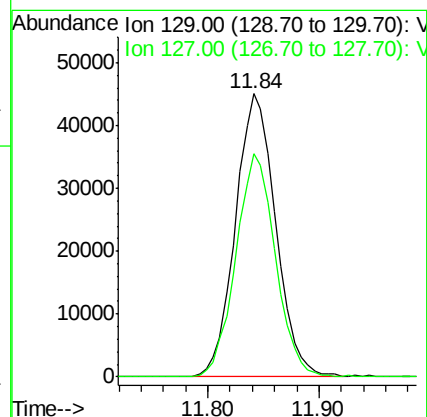
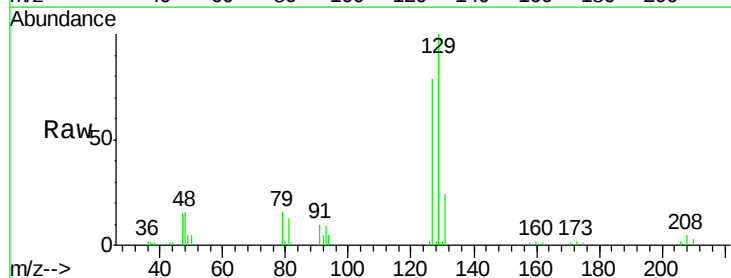
Ion	Ratio	Lower	Upper
97	100		
83	87.2	67.9	101.9
85	55.2	45.2	67.8
99	59.3	49.0	73.6

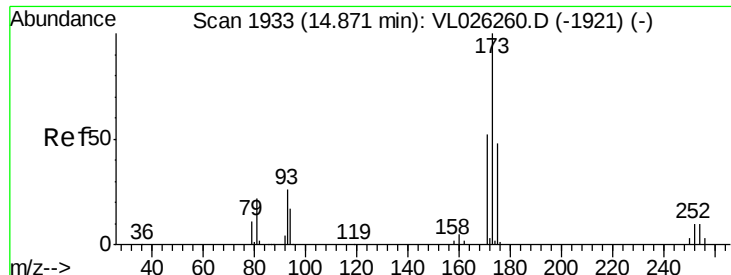


#48
 Dibromochloromethane
 Concen: 0.95 ppbv
 RT: 11.84 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion: 129 Resp: 112923

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.2





#49

Bromoform

Concen: 0.86 ppbv

RT: 14.86 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

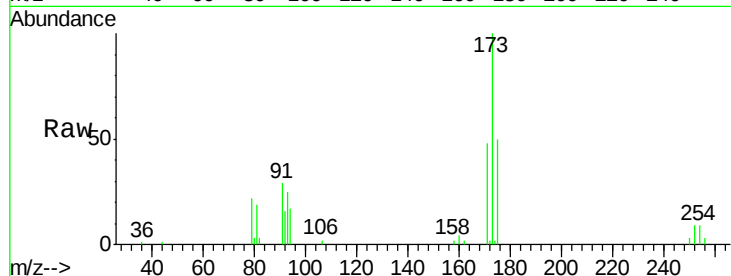
Tot Ion:173 Resp: 84225

Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

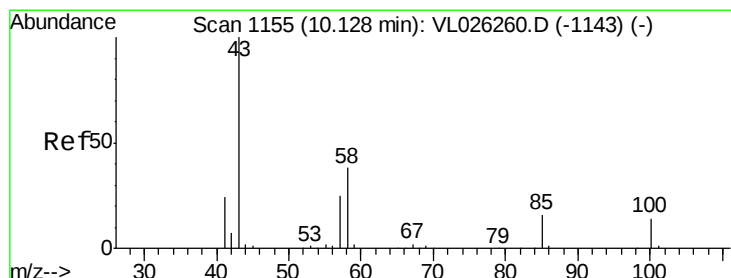
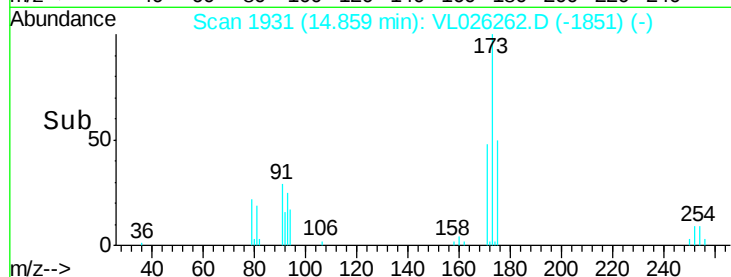
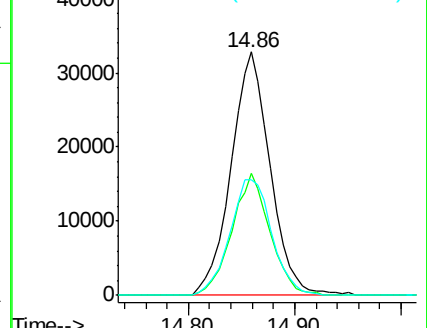
171 51.1 41.7 62.5



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 1.05 ppbv

RT: 10.14 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VL026262.D

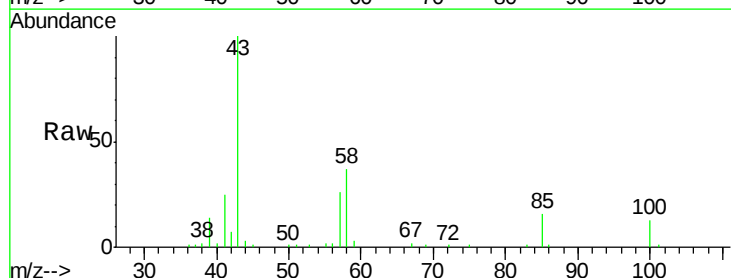
Acq: 29 Oct 2015 10:41

Tgt Ion: 43 Resp: 138219

Ion Ratio Lower Upper

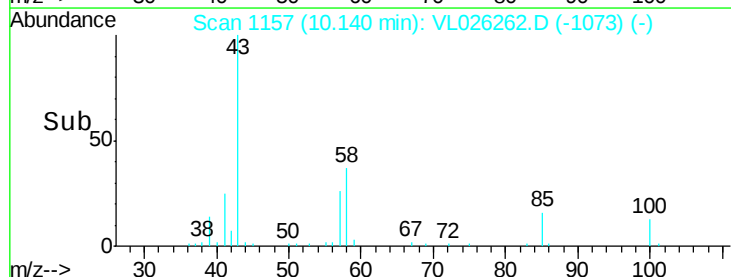
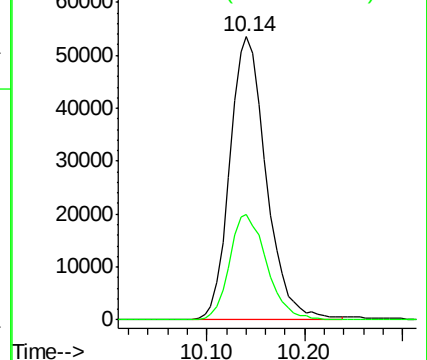
43 100

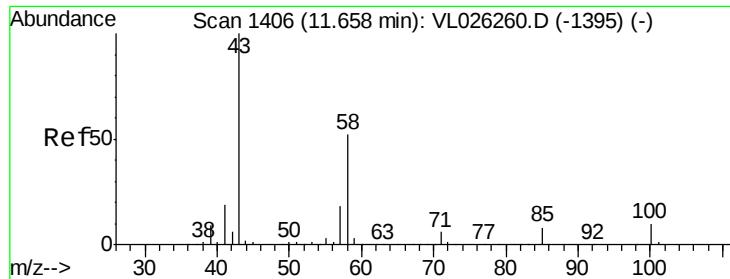
58 38.0 30.5 45.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

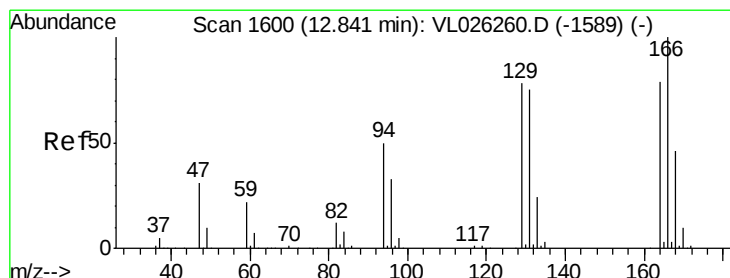
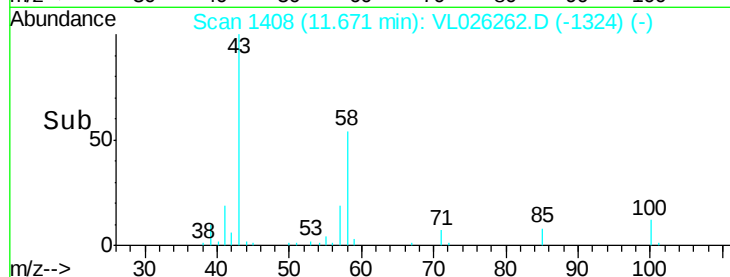
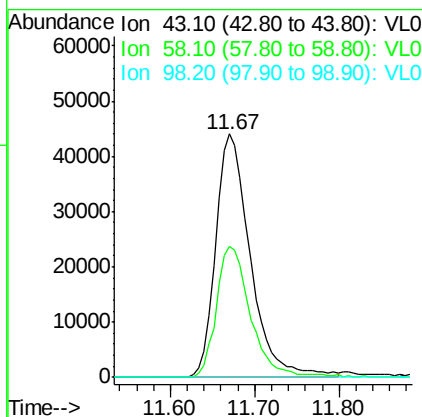
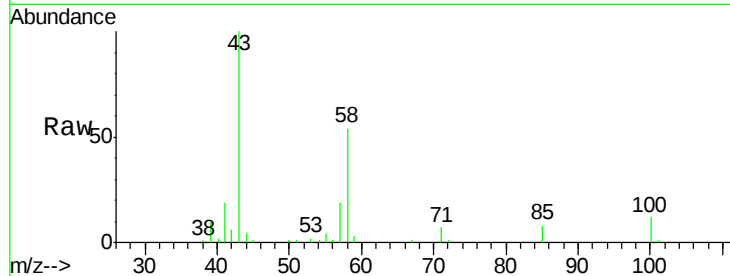




#51
2-Hexanone
Concen: 1.02 ppbv
RT: 11.67 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

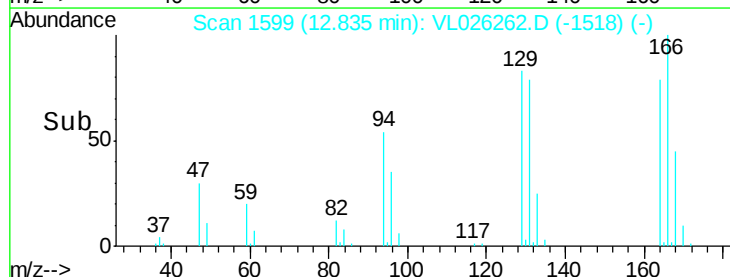
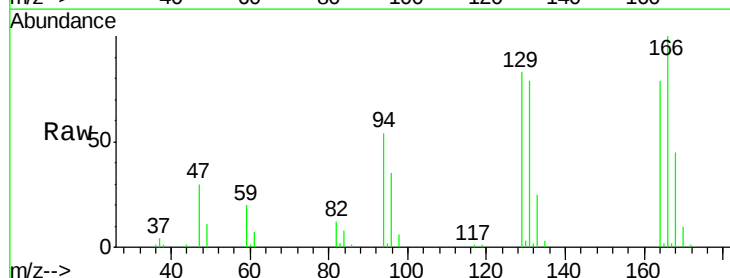
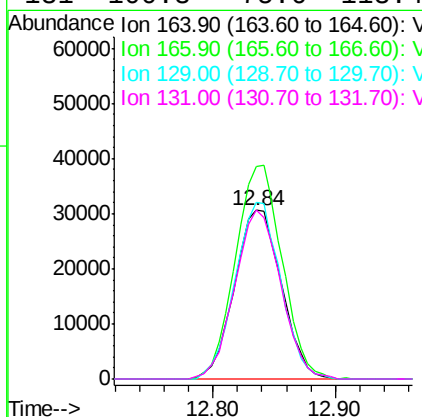
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

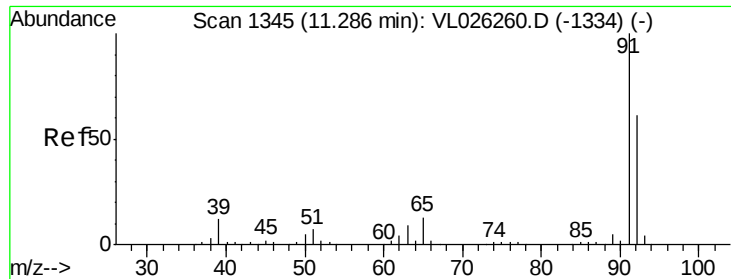
Tot Ion: 43 Resp: 123915
Ion Ratio Lower Upper
43 100
58 53.3 42.7 64.1
98 0.0 0.0 0.0



#52
Tetrachloroethene
Concen: 0.85 ppbv
RT: 12.84 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion: 164 Resp: 81794
Ion Ratio Lower Upper
164 100
166 126.5 101.4 152.0
129 104.8 78.8 118.2
131 100.3 75.6 113.4





#53

Toluene

Concen: 1.05 ppbv

RT: 11.28 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

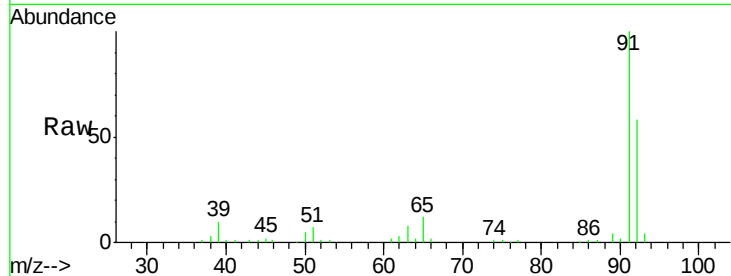
VSTDIC001

Tot Ion: 91 Resp: 241568

Ion Ratio Lower Upper

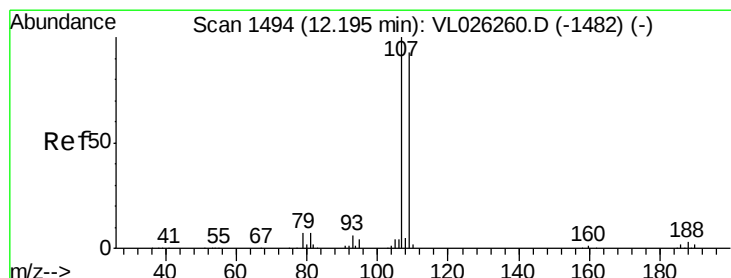
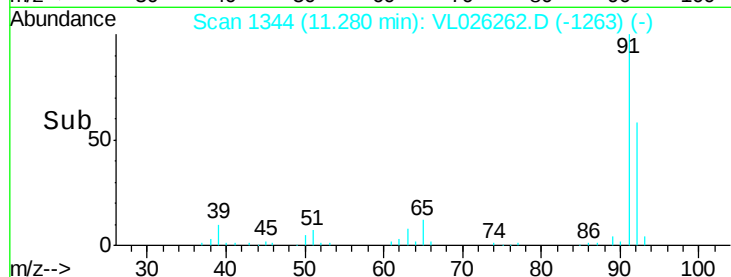
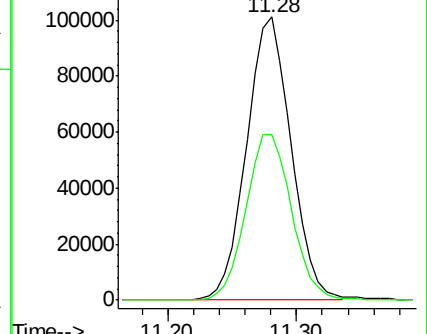
91 100

92 60.2 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 1.07 ppbv

RT: 12.18 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL026262.D

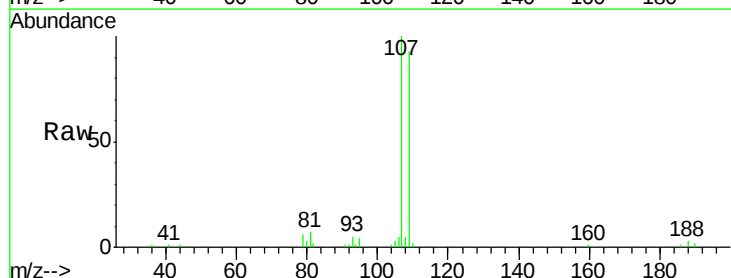
Acq: 29 Oct 2015 10:41

Tgt Ion: 107 Resp: 124058

Ion Ratio Lower Upper

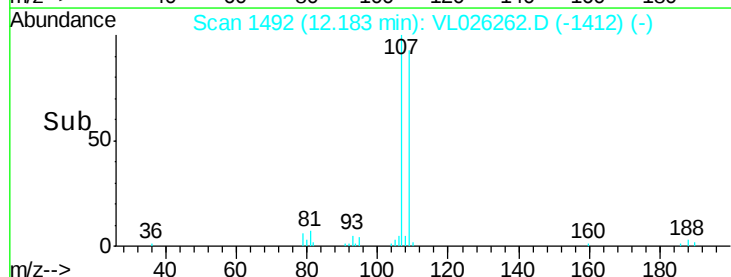
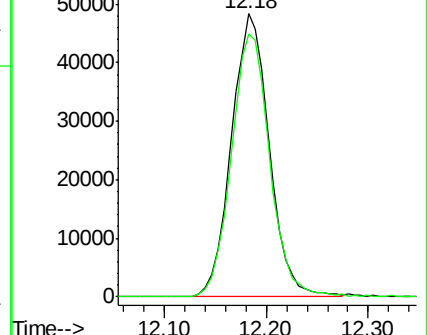
107 100

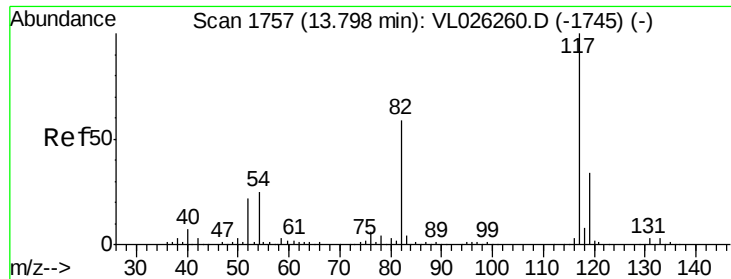
109 92.9 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

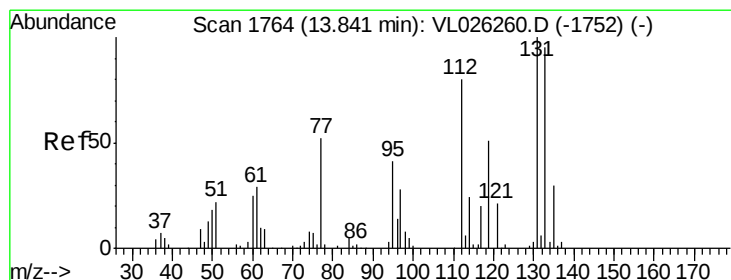
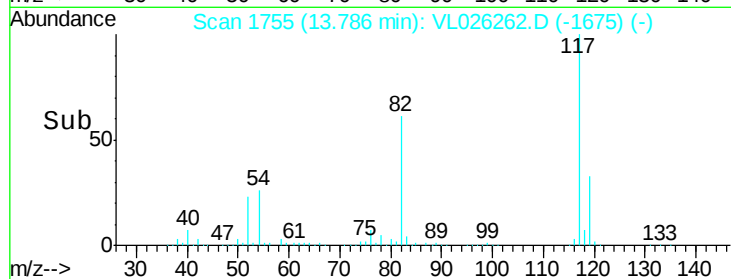
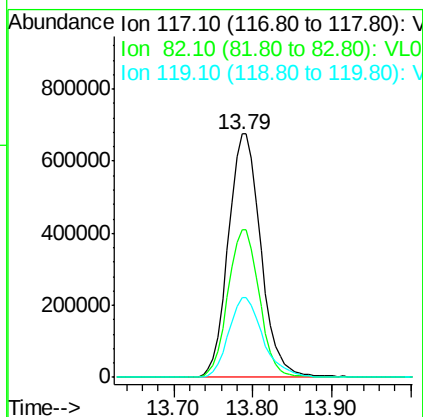
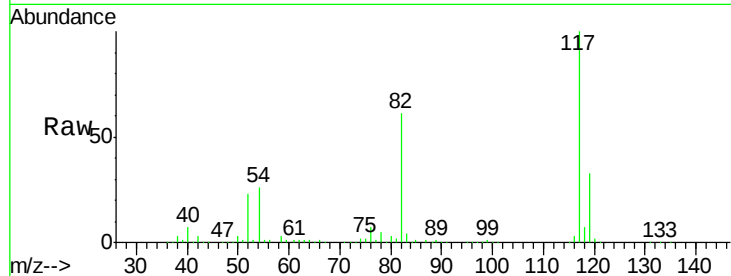




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

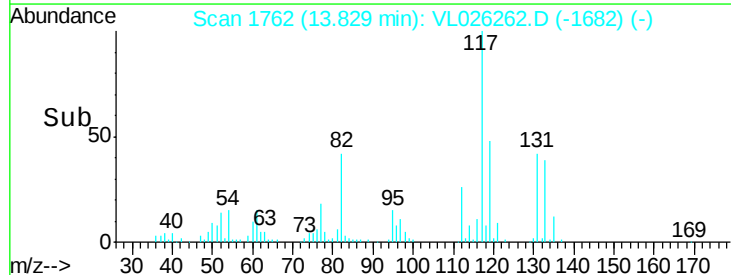
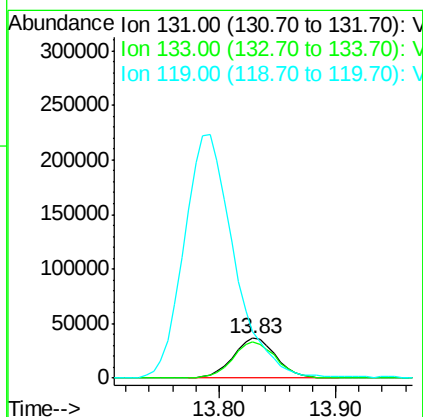
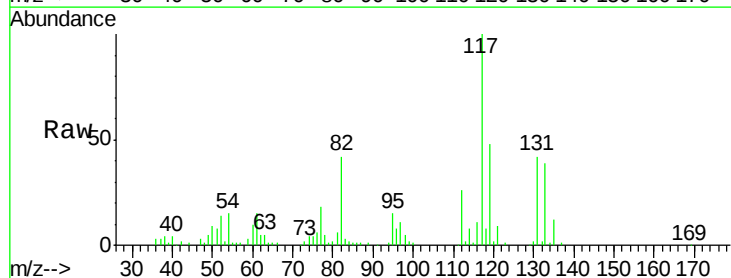
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

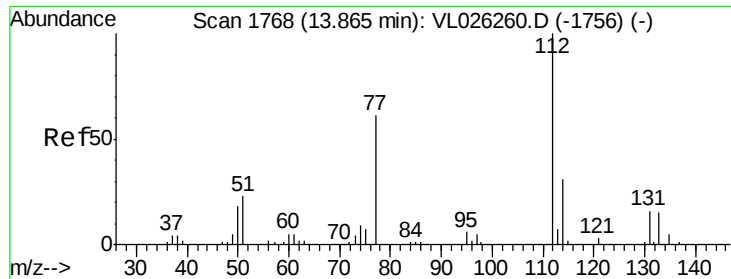
Tot Ion:117 Resp: 1940810
Ion Ratio Lower Upper
117 100
82 59.0 48.2 72.4
119 34.7 46.2 69.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 1.01 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion:131 Resp: 93978
Ion Ratio Lower Upper
131 100
133 92.7 76.1 114.1
119 718.8 111.3 166.9#

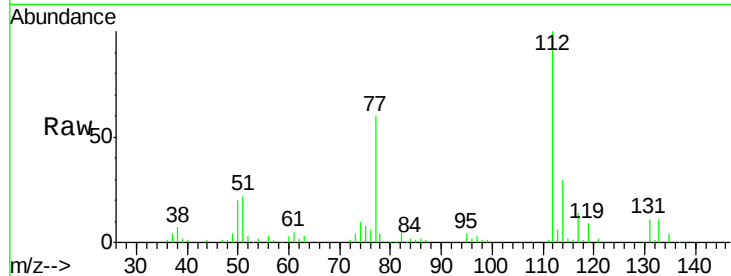




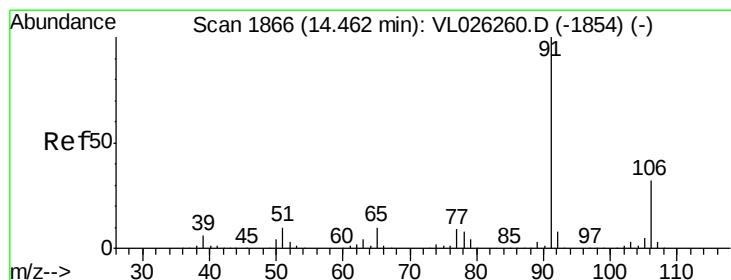
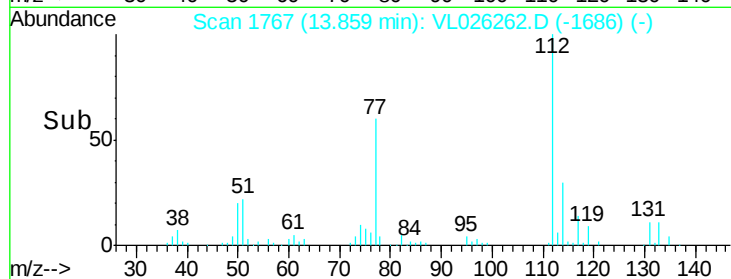
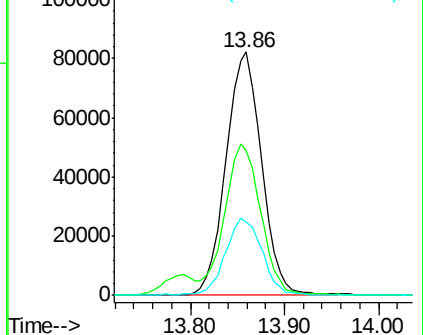
#57
Chlorobenzene
Concen: 1.15 ppbv
RT: 13.86 min Scan# 1767
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 112 Resp: 217265
Ion Ratio Lower Upper
112 100
77 59.3 49.4 74.0
114 30.0 27.8 34.0

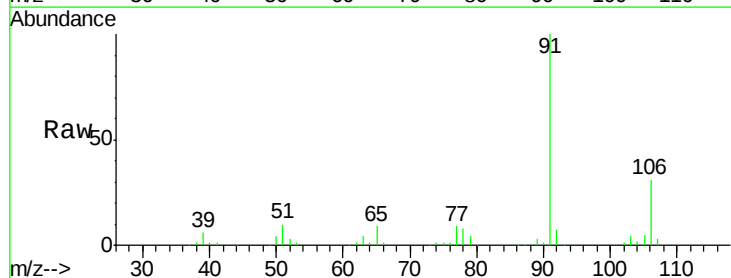


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

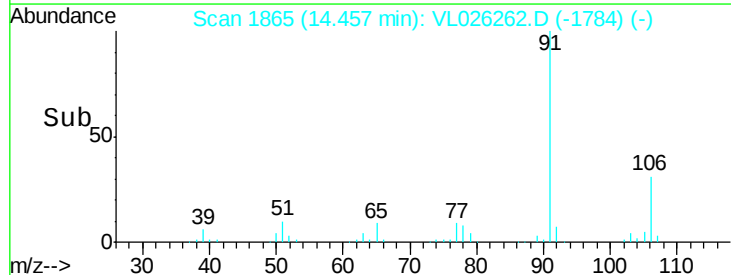
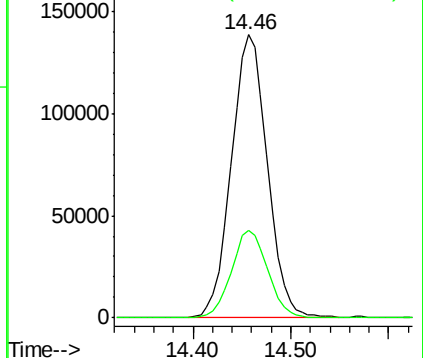


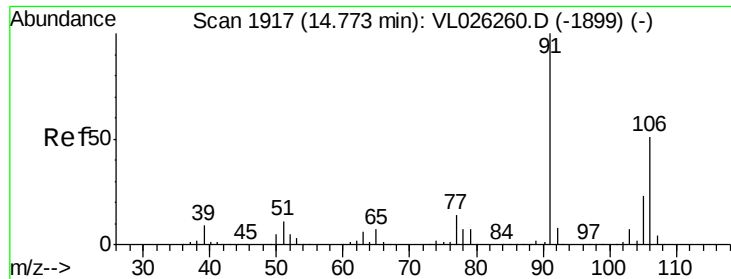
#58
Ethyl Benzene
Concen: 1.11 ppbv
RT: 14.46 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion: 91 Resp: 353857
Ion Ratio Lower Upper
91 100
106 31.0 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

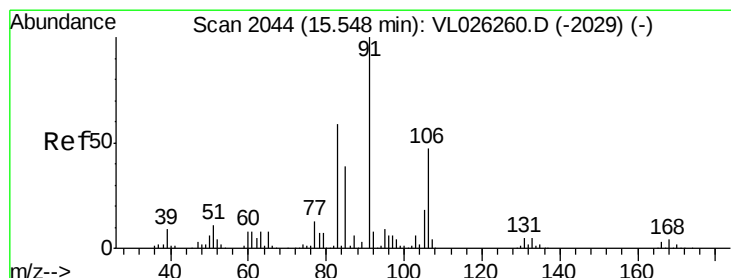
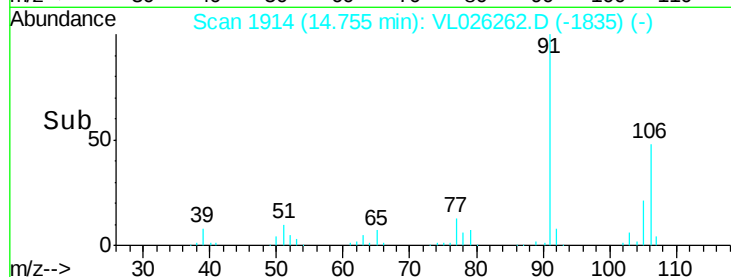
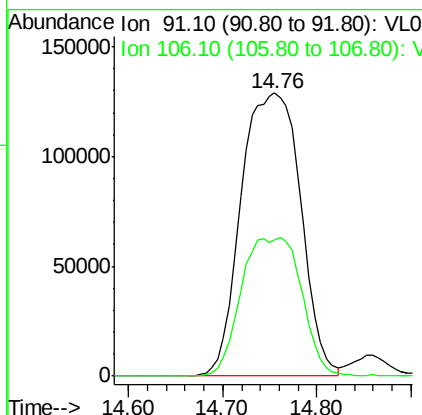
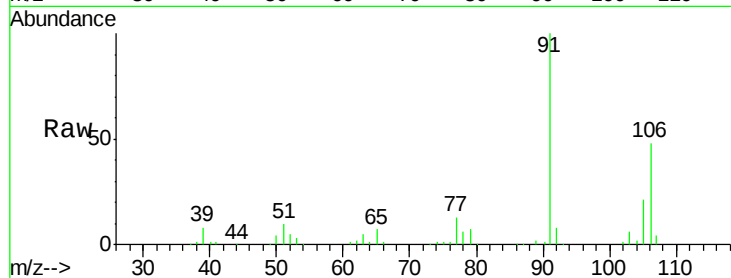




#59
m/p-Xylene
Concen: 2.27 ppbv
RT: 14.76 min Scan# 1914
Delta R.T. -0.02 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

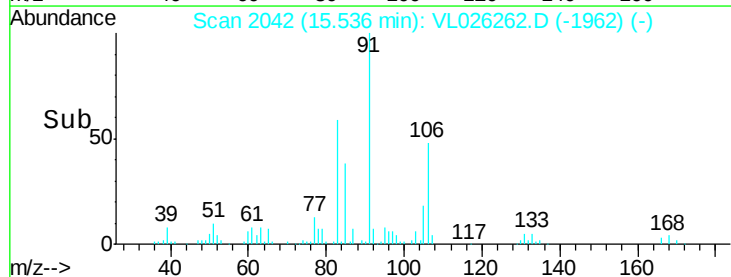
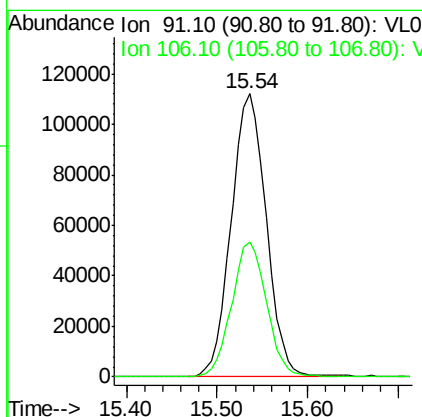
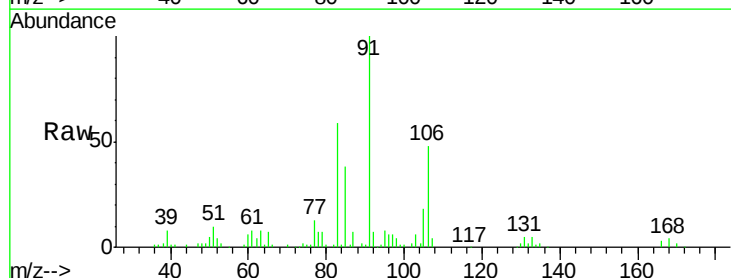
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

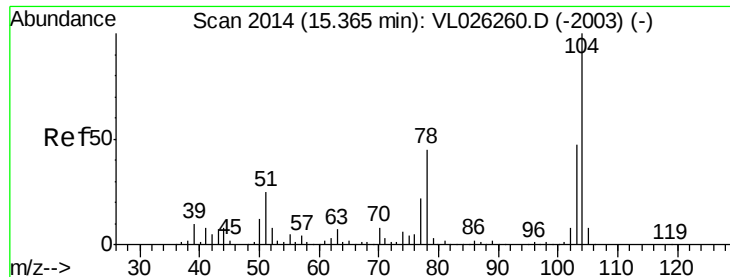
Tot Ion: 91 Resp: 567934
Ion Ratio Lower Upper
91 100
106 49.9 0.0 0.0#



#60
o-Xylene
Concen: 1.15 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion: 91 Resp: 301219
Ion Ratio Lower Upper
91 100
106 47.2 23.6 70.8





#61

Stvrene

Concen: 0.98 ppbv

RT: 15.35 min Scan# 2012

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

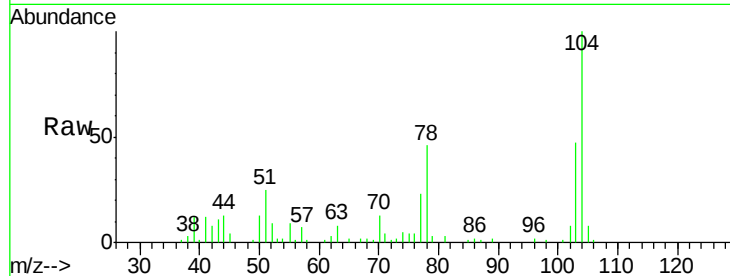
Tot Ion:104 Resp: 114588

Ion Ratio Lower Upper

104 100

78 45.2 35.5 53.3

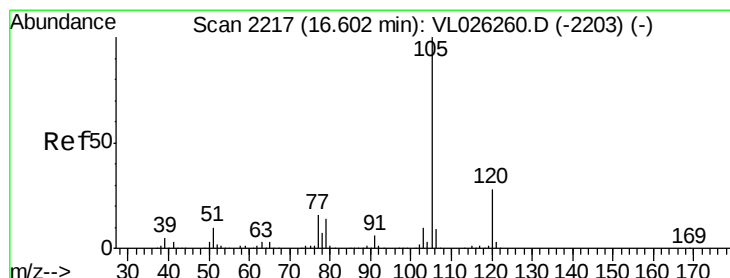
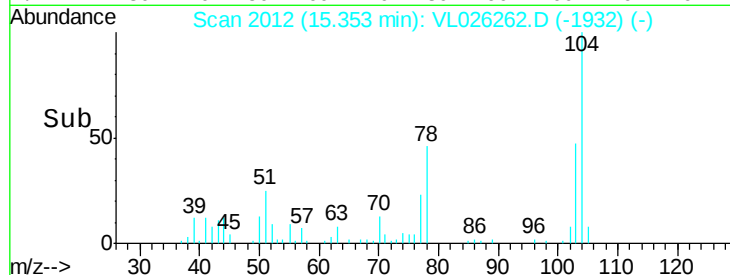
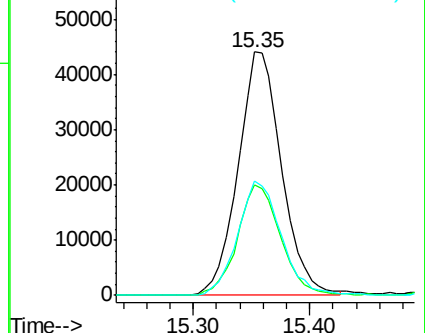
103 47.1 37.0 55.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 1.09 ppbv

RT: 16.59 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VL026262.D

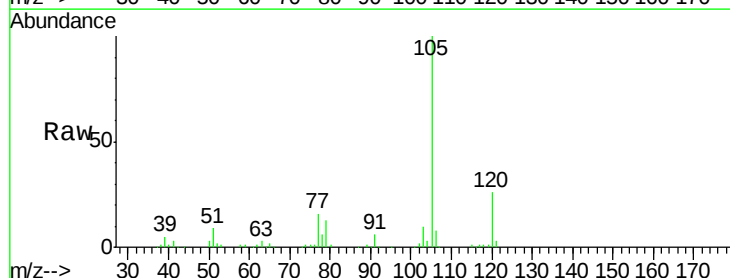
Acq: 29 Oct 2015 10:41

Tgt Ion:105 Resp: 395267

Ion Ratio Lower Upper

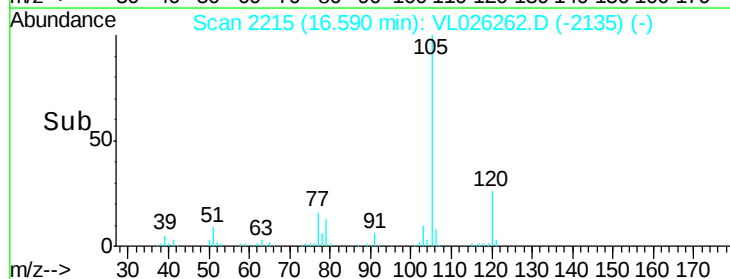
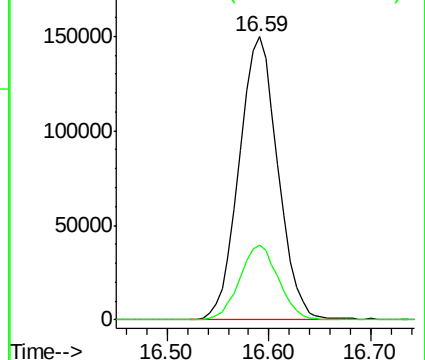
105 100

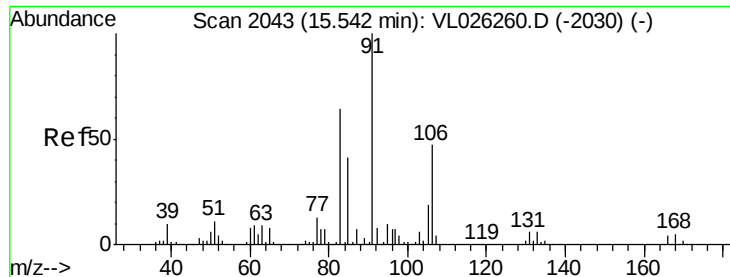
120 26.5 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

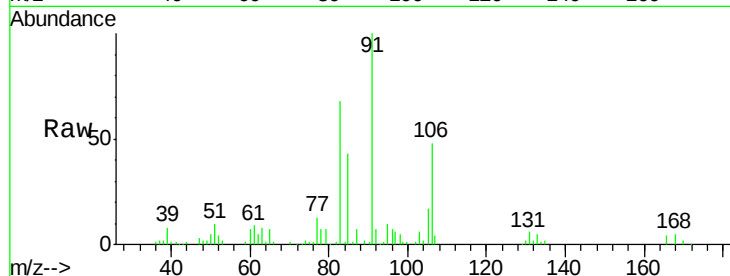




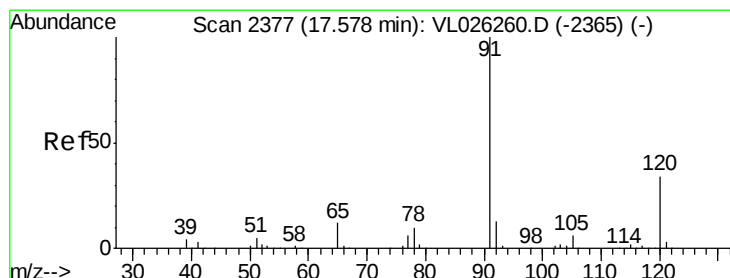
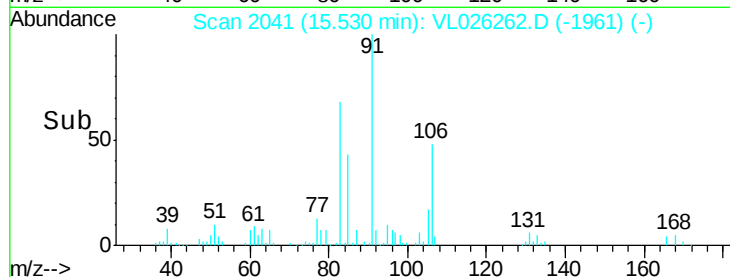
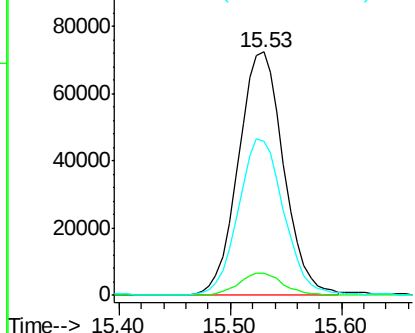
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.17 ppbv
 RT: 15.53 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 83 Resp: 205006
 Ion Ratio Lower Upper
 83 100
 131 8.9 4.6 13.8
 85 65.0 32.4 97.2

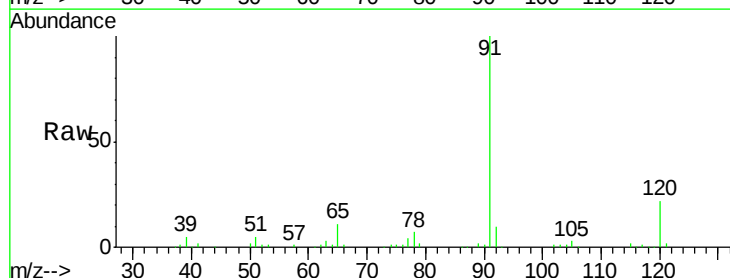


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0

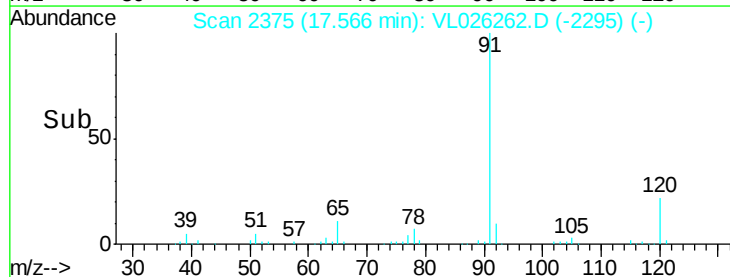
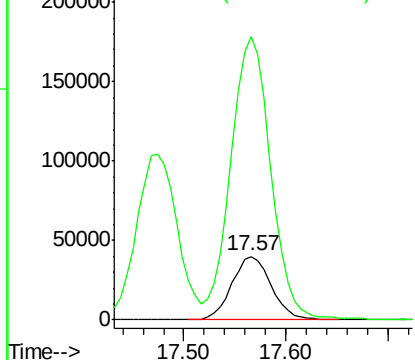


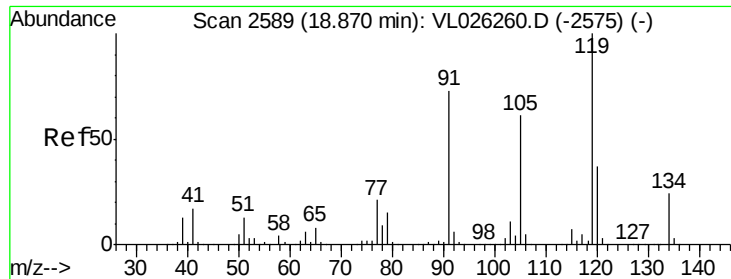
#64
 n-propylbenzene
 Concen: 1.09 ppbv
 RT: 17.57 min Scan# 2375
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion: 120 Resp: 107707
 Ion Ratio Lower Upper
 120 100
 91 447.8 340.8 511.2



Abundance Ion 120.20 (119.90 to 120.90): VL0
 Ion 91.10 (90.80 to 91.80): VL0

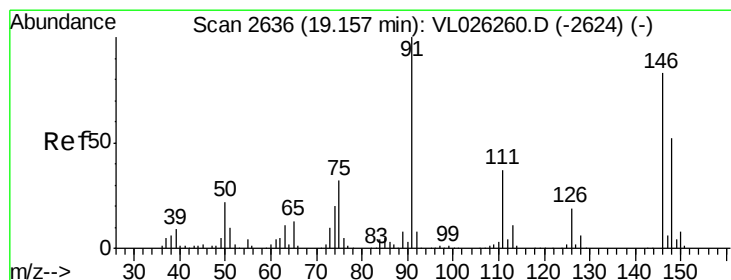
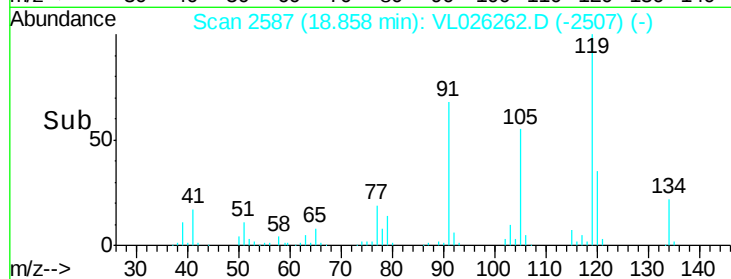
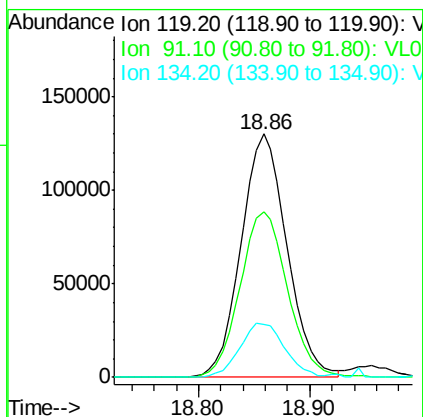
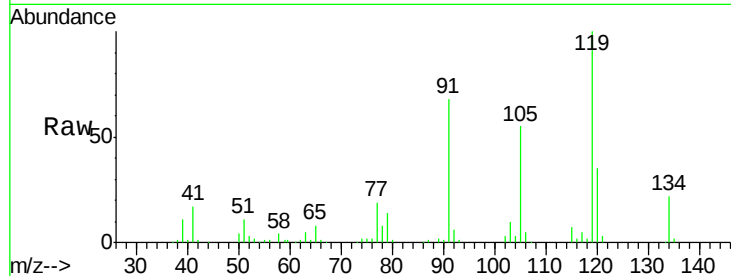




#65
 tert-Butylbenzene
 Concen: 1.13 ppbv
 RT: 18.86 min Scan# 2587
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

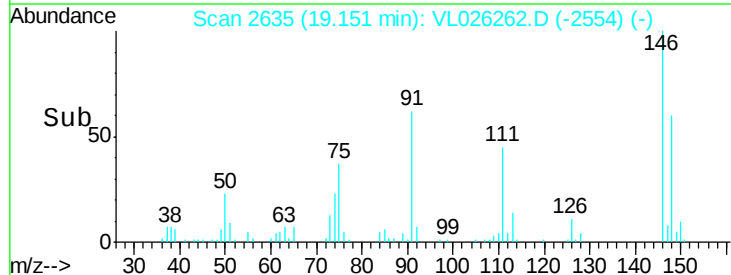
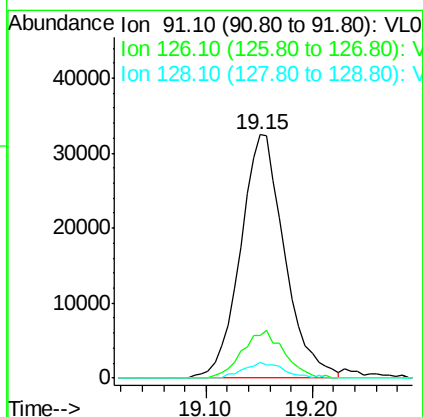
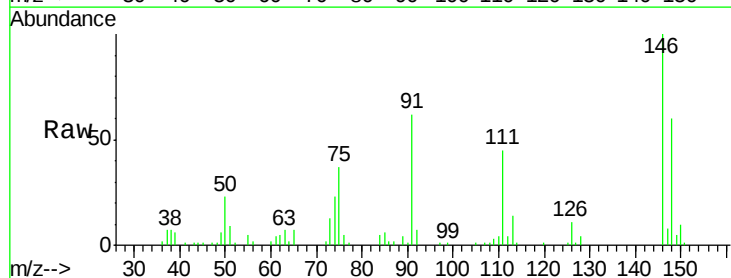
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

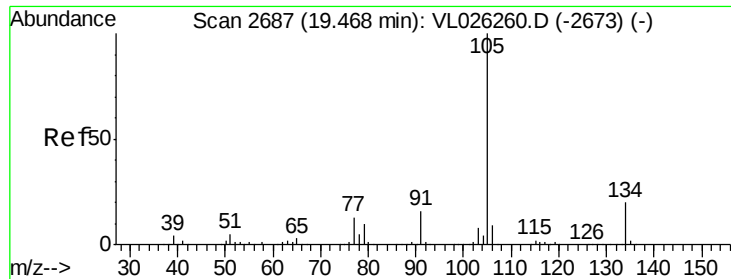
Tot Ion: 119 Resp: 372922
 Ion Ratio Lower Upper
 119 100
 91 70.9 57.7 86.5
 134 22.7 18.0 27.0



#66
 Benzyl Chloride
 Concen: 0.75 ppbv
 RT: 19.15 min Scan# 2635
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion: 91 Resp: 94373
 Ion Ratio Lower Upper
 91 100
 126 18.6 15.8 23.8
 128 5.8 5.0 7.6





#67

sec-Butylbenzene

Concen: 1.12 ppbv

RT: 19.46 min Scan# 2685

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

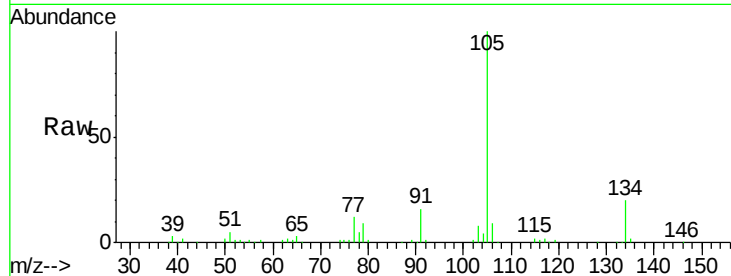
VSTDIC001

Tot Ion:105 Resp: 514586

Ion Ratio Lower Upper

105 100

134 19.6 16.0 24.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

19.46

200000

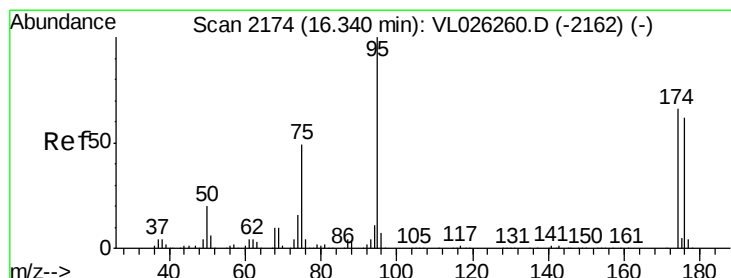
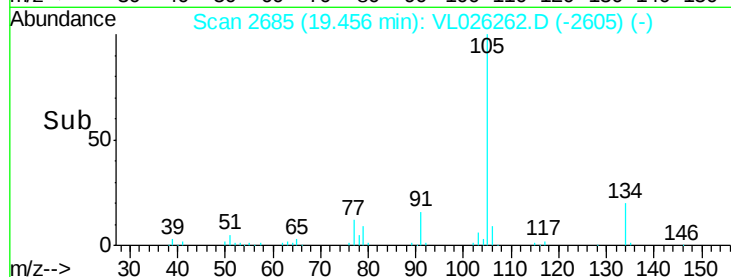
150000

100000

50000

0

Time--> 19.30 19.40 19.50 19.60



#68

1-Bromo-4-Fluorobenzene

Concen: 9.83 ppbv

RT: 16.33 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

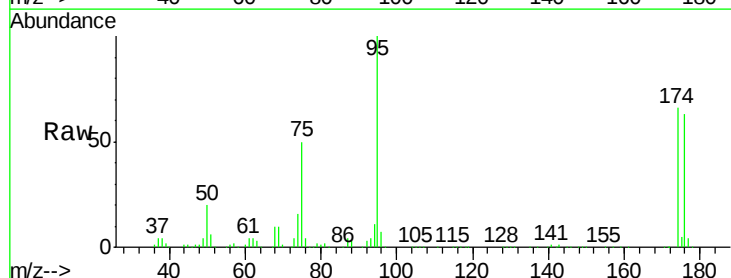
Tgt Ion: 95 Resp: 1470425

Ion Ratio Lower Upper

95 100

174 66.0 52.9 79.3

175 4.9 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

16.33

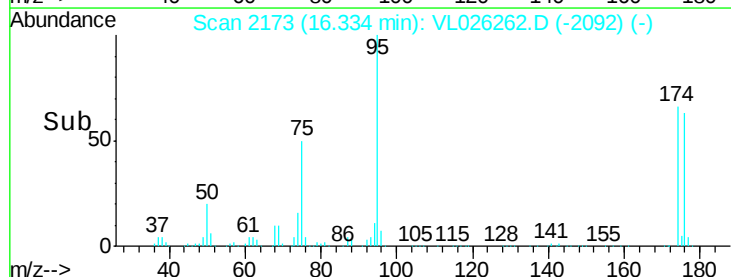
600000

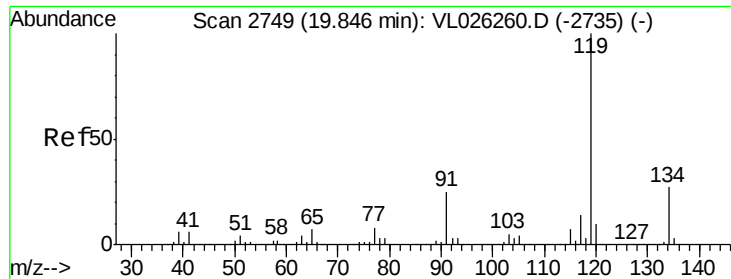
400000

200000

0

Time--> 16.20 16.30 16.40

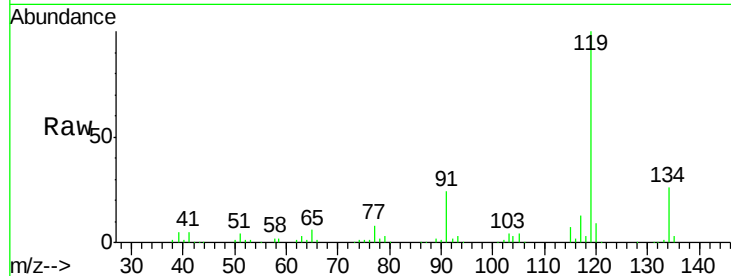




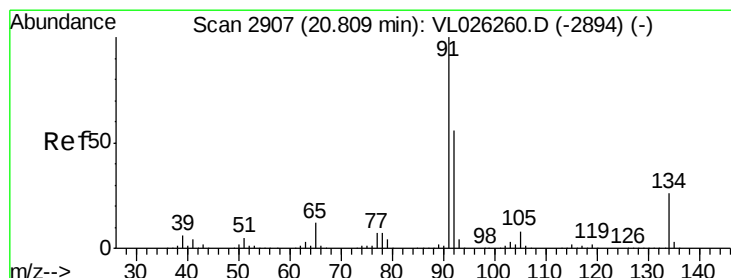
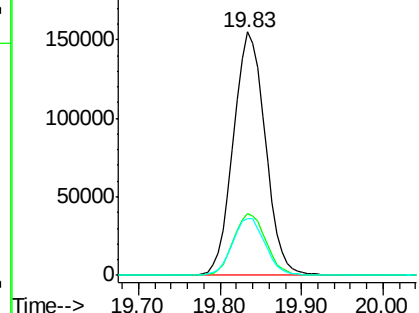
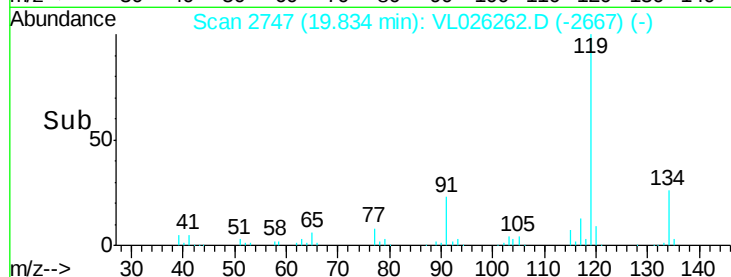
#69
 p-Isopropyltoluene
 Concen: 1.10 ppbv
 RT: 19.83 min Scan# 2747
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	21.3	31.9
91	24.0	19.6	29.4

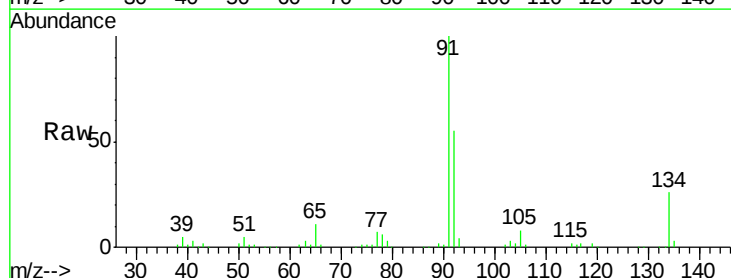


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

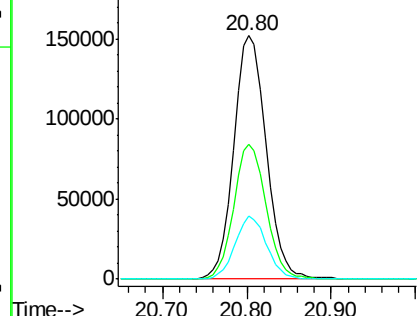
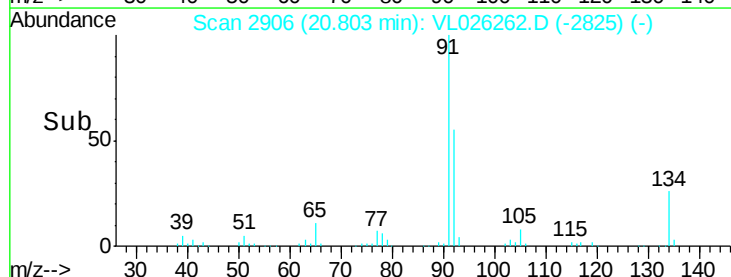


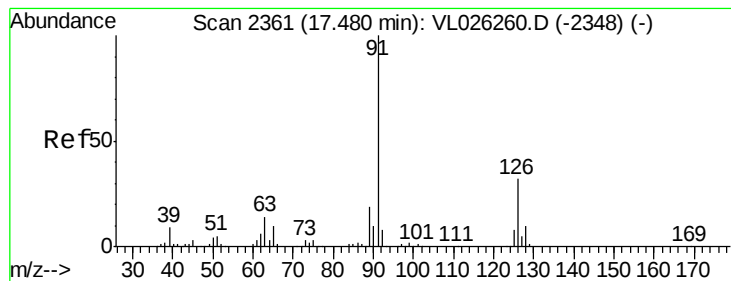
#70
 n-Butylbenzene
 Concen: 1.11 ppbv
 RT: 20.80 min Scan# 2906
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.9	67.3
134	25.0	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): V





#71

2-Chlorotoluene

Concen: 1.09 ppbv

RT: 17.47 min Scan# 2360

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

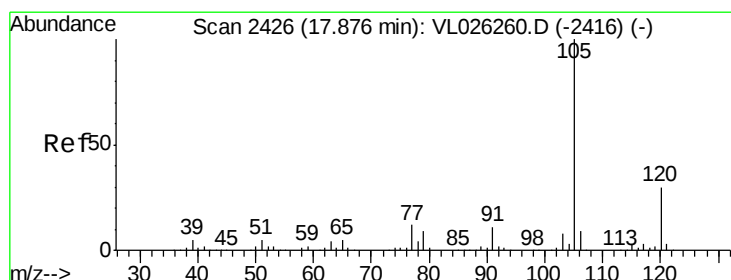
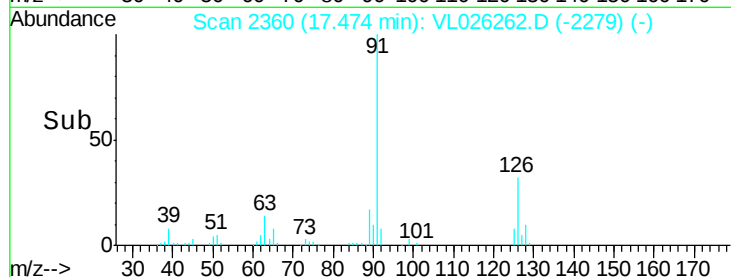
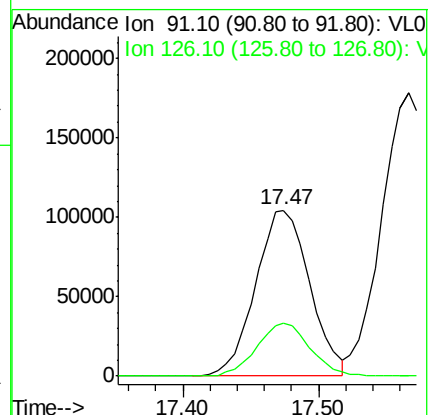
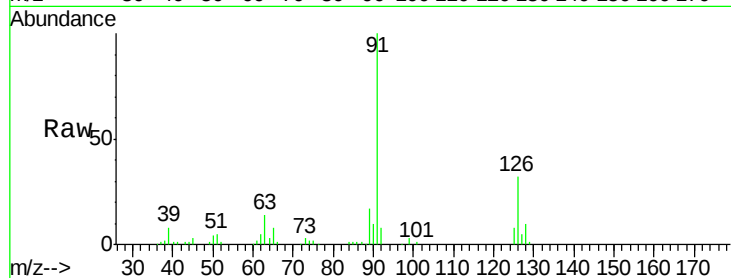
VSTDIC001

Tot Ion: 91 Resp: 290259

Ion Ratio Lower Upper

91 100

126 31.4 12.8 51.0



#72

4-Ethyltoluene

Concen: 1.07 ppbv

RT: 17.86 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion: 105 Resp: 324099

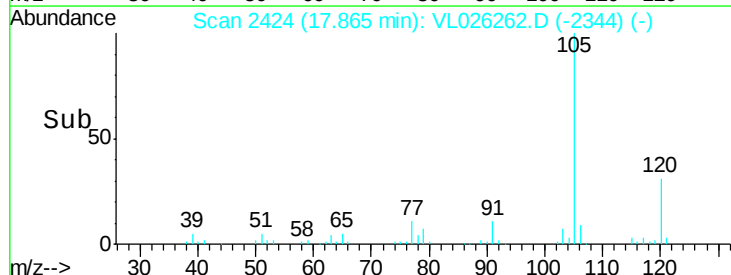
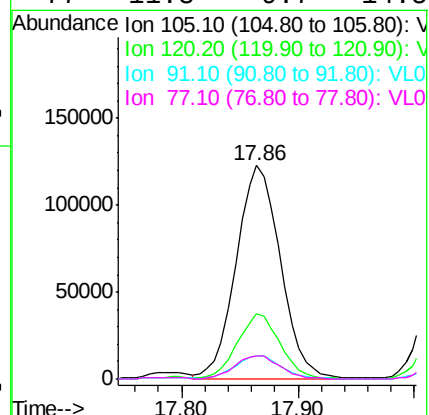
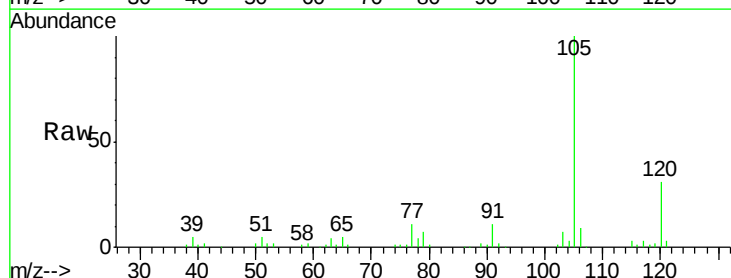
Ion Ratio Lower Upper

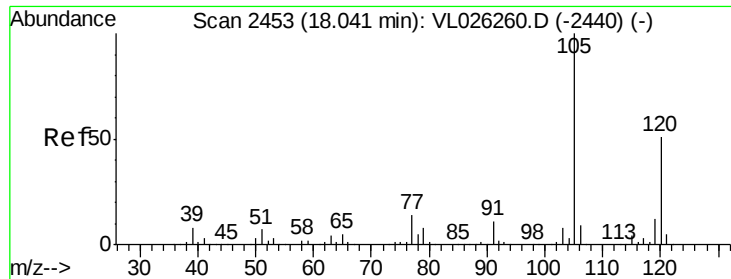
105 100

120 30.6 25.1 37.7

91 12.2 9.1 13.7

77 11.8 9.7 14.5

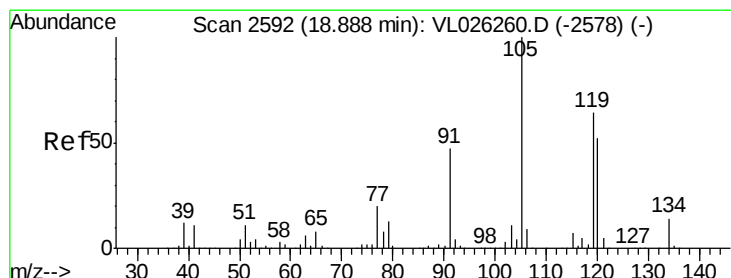
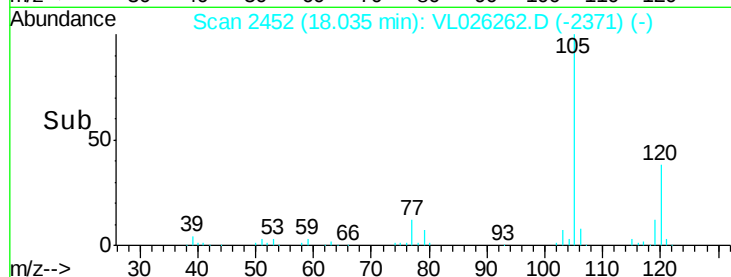
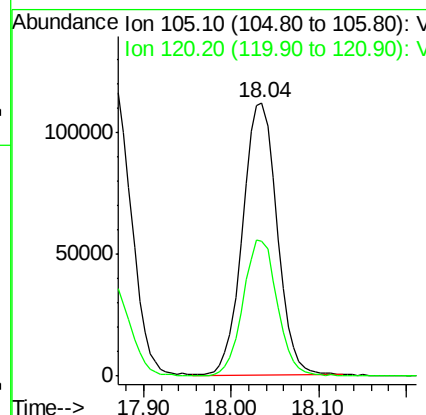
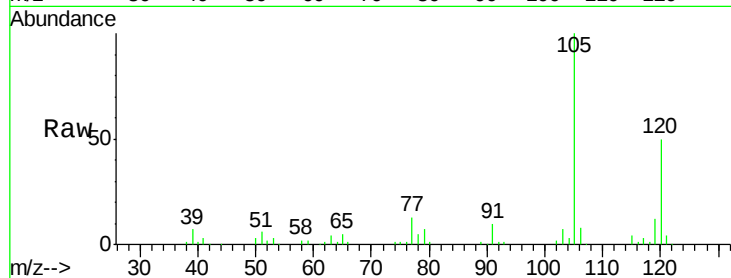




#73
 1,3,5-Trimethylbenzene
 Concen: 1.08 ppbv
 RT: 18.04 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

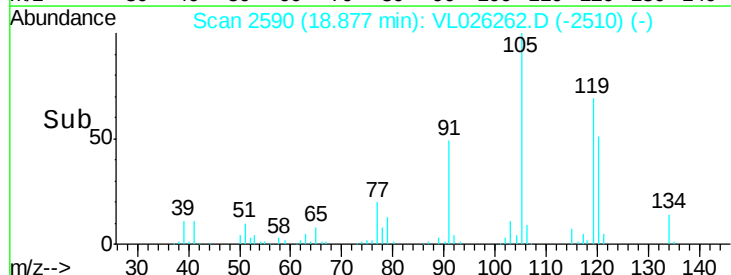
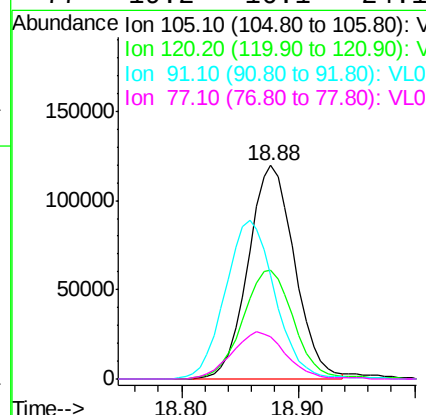
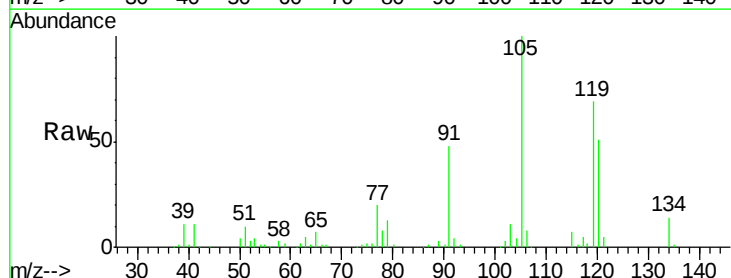
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

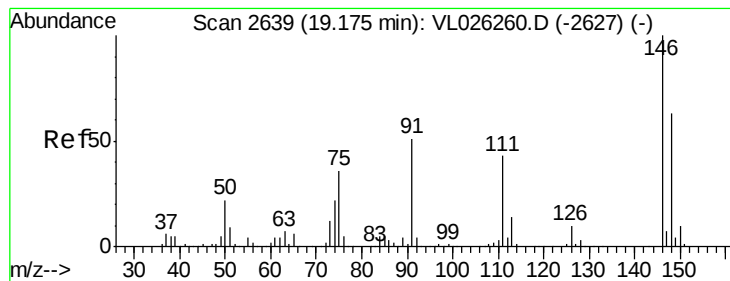
Tot Ion:105 Resp: 306102
 Ion Ratio Lower Upper
 105 100
 120 49.8 40.6 61.0



#74
 1,2,4-Trimethylbenzene
 Concen: 1.13 ppbv
 RT: 18.88 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion:105 Resp: 332213
 Ion Ratio Lower Upper
 105 100
 120 50.3 41.2 61.8
 91 47.5 37.8 56.8
 77 19.2 16.1 24.1





#75

1,3-Dichlorobenzene

Concen: 1.11 ppbv

RT: 19.16 min Scan# 2637

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

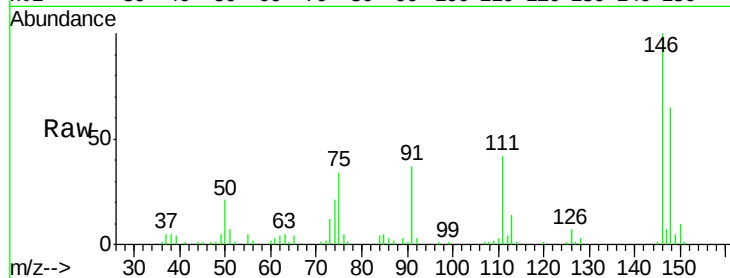
Tot Ion:146 Resp: 211719

Ion Ratio Lower Upper

146 100

111 42.8 21.9 65.5

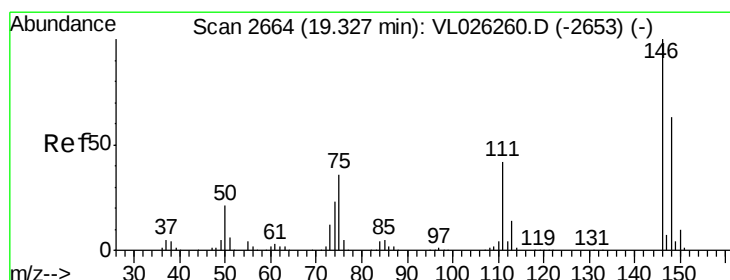
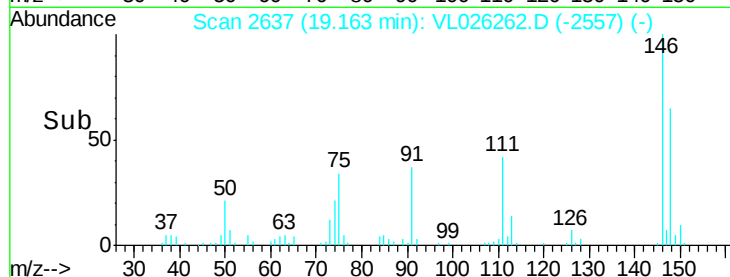
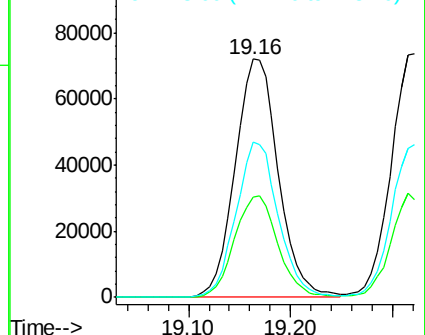
148 63.9 31.8 95.3



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



#76

1,4-Dichlorobenzene

Concen: 1.07 ppbv

RT: 19.32 min Scan# 2663

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

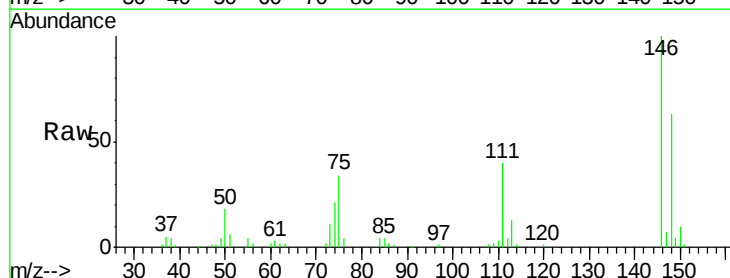
Tgt Ion:146 Resp: 210862

Ion Ratio Lower Upper

146 100

111 42.4 21.1 63.4

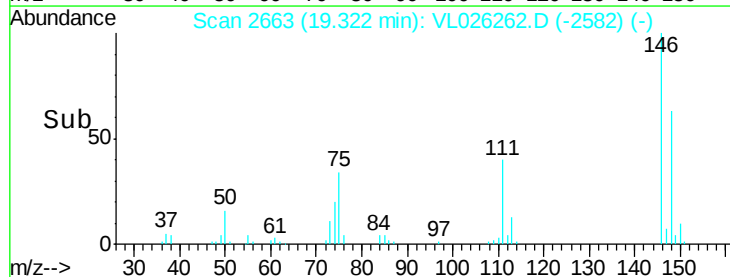
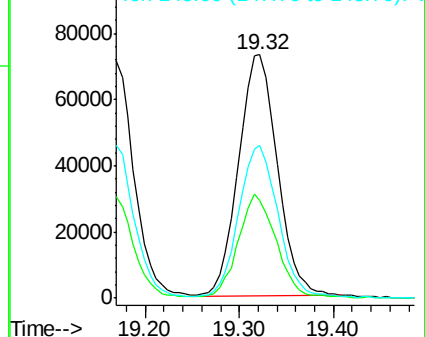
148 64.9 31.8 95.3

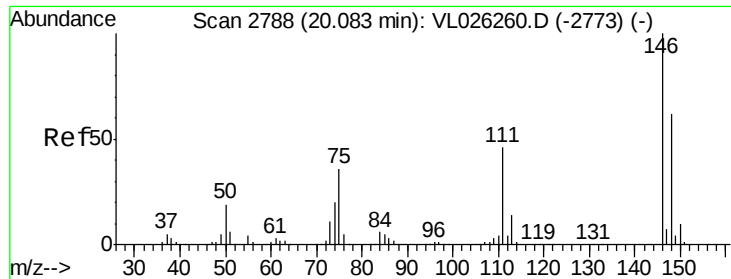


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 1.10 ppbv

RT: 20.07 min Scan# 2786

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

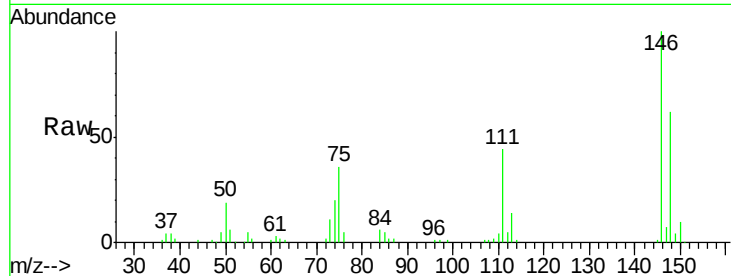
Tot Ion:146 Resp: 211272

Ion Ratio Lower Upper

146 100

111 44.7 22.8 68.3

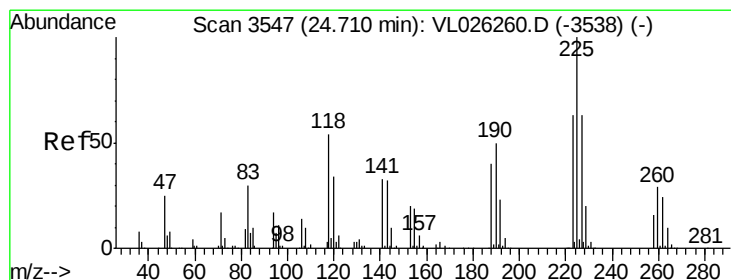
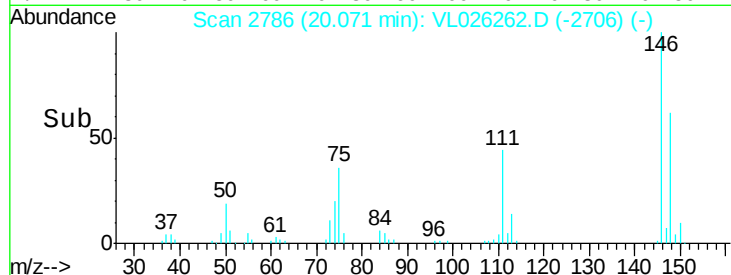
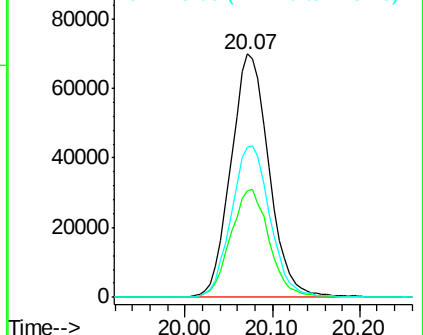
148 63.5 31.6 94.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.99 ppbv

RT: 24.71 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

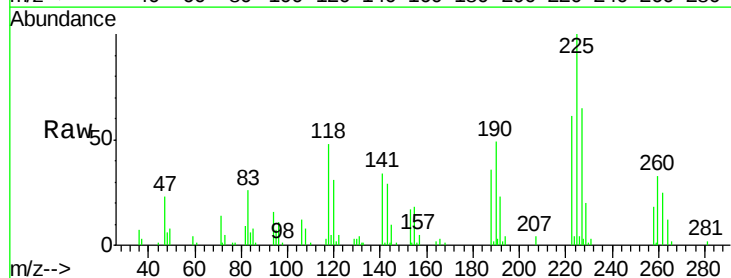
Tgt Ion:225 Resp: 90137

Ion Ratio Lower Upper

225 100

223 61.5 51.0 76.6

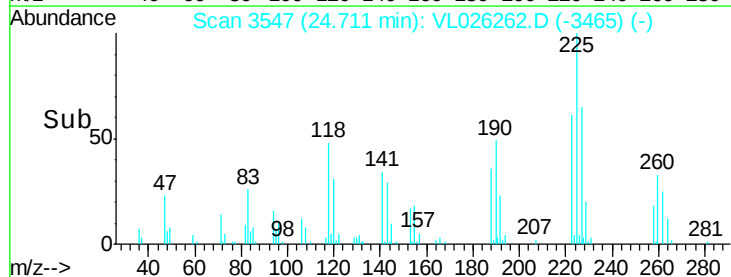
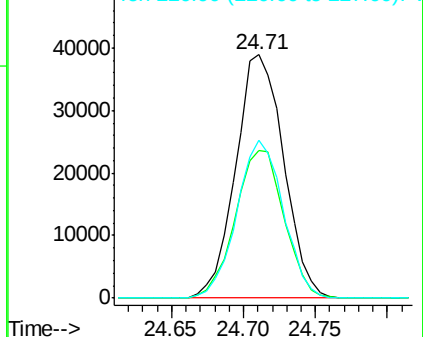
227 62.6 51.3 76.9

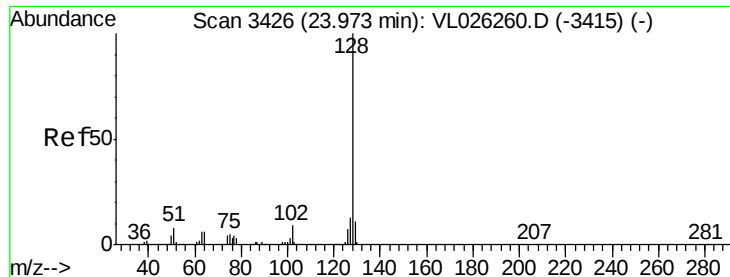


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.94 ppbv

RT: 23.97 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

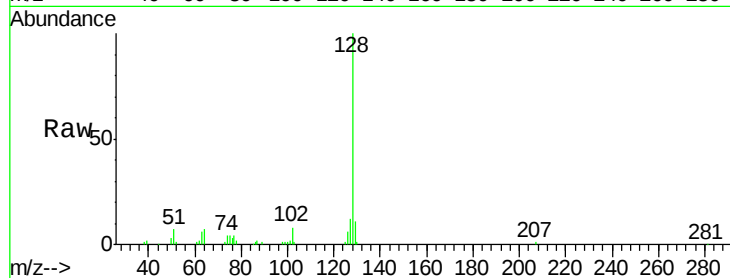
Tot Ion:128 Resp: 227615

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

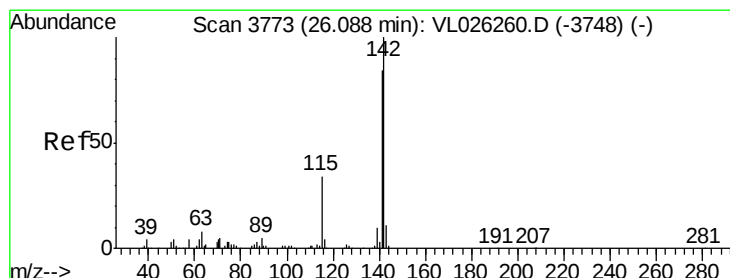
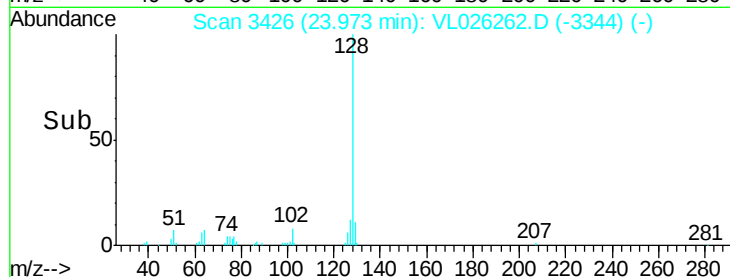
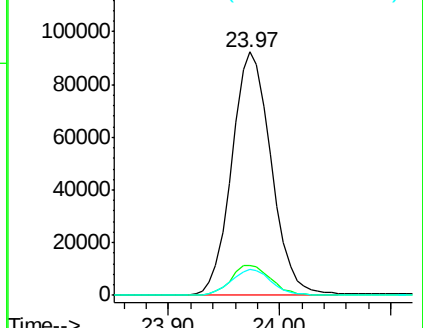
129 10.8 8.8 13.2



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: 1.00 ppbv

RT: 26.09 min Scan# 3774

Delta R.T. 0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

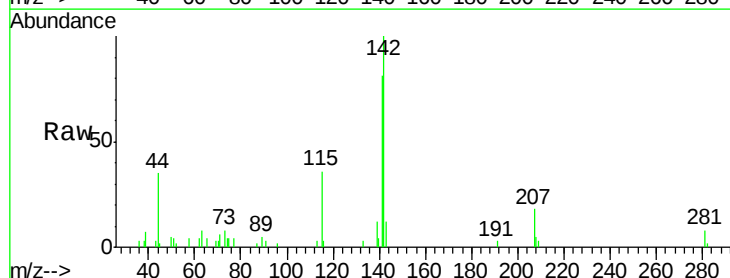
Tgt Ion:142 Resp: 37618

Ion Ratio Lower Upper

142 100

141 81.7 66.1 99.1

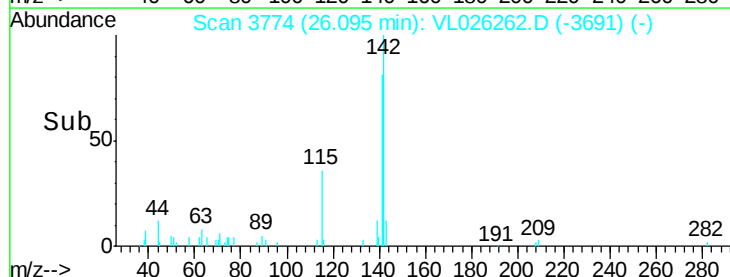
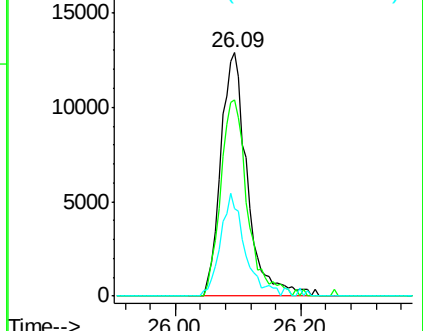
115 39.3 28.1 42.1

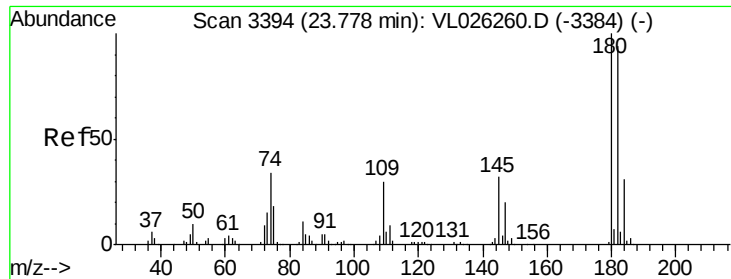


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

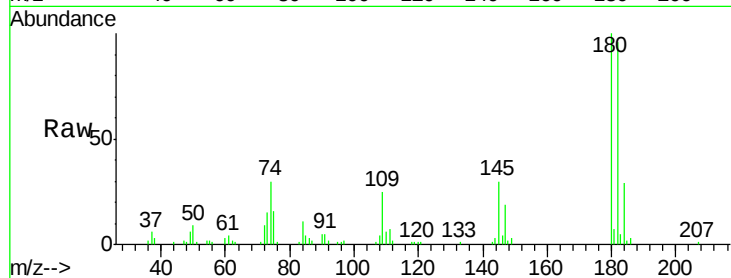




#81
 1,2,4-Trichlorobenzene
 Concen: 0.99 ppbv
 RT: 23.77 min Scan# 3393
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:180 Resp: 116811
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.0 114.0
 184 28.4 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

