

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL072715\
 Data File : VL025751.D
 Acq On : 27 Jul 2015 13:26
 Operator : SY/MD
 Sample : VL0727ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Quant Time: Jul 28 00:59:49 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.66	49	651363	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	1852308	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.75	117	2706534	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.30	95	1685439	7.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	73.80%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.64	85	1236577	7.33	ppbv	96
3) Chlorodifluoromethane	3.57	51	694843	7.57	ppbv	99
4) Chloromethane	3.75	50	338746	8.09	ppbv	99
5) Vinyl Chloride	3.89	62	368718	8.15	ppbv	99
6) Bromomethane	4.14	94	310457	8.46	ppbv	98
7) Chloroethane	4.24	64	167906	7.98	ppbv	97
8) Dichlorotetrafluoroethane	3.80	85	1146715	7.75	ppbv	99
9) Propene	3.59	41	249869	8.19	ppbv	100
10) Heptane	9.36	43	1056572	8.90	ppbv	98
11) Trichlorofluoromethane	4.69	101	1765097	8.06	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.31	101	1019644	8.12	ppbv	100
13) Ethanol	4.33	45	32435	6.84	ppbv	97
14) Bromoethene	4.45	108	337049	8.19	ppbv	99
15) Acetone	4.60	43	1333186	11.59	ppbv	97
16) 1,3-Butadiene	3.96	39	368177	8.04	ppbv	100
17) tert-Butyl alcohol	5.12	59	871125	9.02	ppbv	100
18) 1,1-Dichloroethene	5.08	96	398034	8.28	ppbv	98
19) Isopropyl Alcohol	4.75	45	352804	7.68	ppbv #	1
20) Methylene Chloride	5.15	84	364347	7.79	ppbv	94
21) Allyl Chloride	5.23	41	579088	8.04	ppbv	98
22) trans-1,2-Dichloroethene	5.76	96	409617	8.35	ppbv	100
23) Vinyl Acetate	5.98	43	1661747	9.53	ppbv	99
24) 1,1-Dichloroethane	5.92	63	959430	8.21	ppbv	99
25) Ethyl Acetate	6.67	43	1458338	8.37	ppbv	100
26) Hexane	6.66	57	685852	8.37	ppbv	99
27) Carbon Disulfide	5.39	76	1105539	8.33	ppbv	100
28) Methyl tert-Butyl Ether	5.95	73	1418366	8.70	ppbv	100
29) Chloroform	6.75	83	1322550	8.17	ppbv	100
30) Cyclohexane	8.29	84	721890	9.21	ppbv	98
31) cis-1,2-Dichloroethene	6.52	61	712593	8.75	ppbv	99
32) 1,1,1-Trichloroethane	7.60	97	1473398	8.37	ppbv	100
34) 2-Butanone	6.20	43	907468	8.63	ppbv	100
35) Carbon Tetrachloride	8.17	117	1585549	8.03	ppbv	100
36) Benzene	8.02	78	1517846	8.56	ppbv	98
37) 1,2-Dichloroethane	7.38	62	1185965	7.83	ppbv	100
38) Trichloroethene	9.07	130	706704	8.57	ppbv	99
39) 1,2-Dichloropropane	8.83	63	551754	8.42	ppbv	99
40) 1,4-Dioxane	9.13	88	81879	7.97	ppbv #	1
41) Tetrahydrofuran	7.12	42	450642	8.59	ppbv	99
42) Bromodichloromethane	9.03	83	1555384	8.51	ppbv	99
43) Methyl Methacrylate	9.27	69	639829	9.40	ppbv	100

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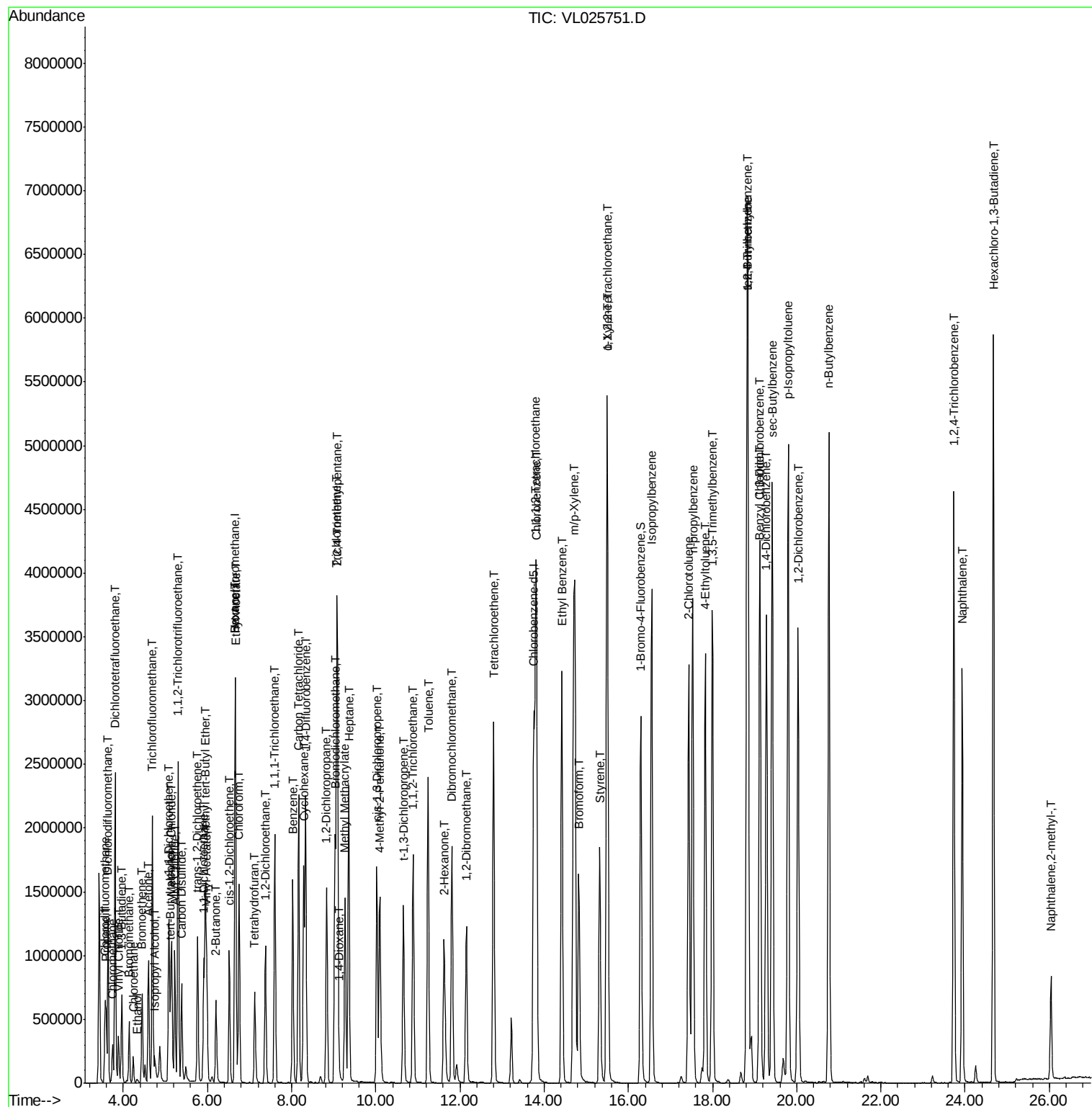
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.09	57	2644918	8.69	ppbv	100
45) t-1,3-Dichloropropene	10.66	75	1029793	8.99	ppbv	99
46) cis-1,3-Dichloropropene	10.02	75	1150162	9.09	ppbv	97
47) 1,1,2-Trichloroethane	10.88	97	764188	8.38	ppbv	98
48) Dibromochloromethane	11.80	129	1404908	8.61	ppbv	99
49) Bromoform	14.82	173	1141768	8.49	ppbv	99
50) 4-Methyl-2-Pentanone	10.09	43	1384137	9.14	ppbv	98
51) 2-Hexanone	11.62	43	1342093	9.88	ppbv	100
52) Tetrachloroethene	12.80	164	793298	8.92	ppbv	99
53) Toluene	11.24	91	2297837	9.22	ppbv	99
54) 1,2-Dibromoethane	12.15	107	1255334	8.51	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.79	131	1074604	7.34	ppbv	98
57) Chlorobenzene	13.82	112	2019198	7.01	ppbv	98
58) Ethyl Benzene	14.42	91	3577066	8.00	ppbv	99
59) m/p-Xylene	14.72	91	2938502	7.48	ppbv #	31
60) o-Xylene	15.50	91	3136299	7.41	ppbv	100
61) Styrene	15.32	104	1344720	9.07	ppbv	99
62) Isopropylbenzene	16.55	105	4162453	7.53	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.49	83	1978439	6.91	ppbv	99
64) n-propylbenzene	17.53	120	1129900	7.56	ppbv	99
65) tert-Butylbenzene	18.82	119	3929709	7.24	ppbv	99
66) Benzyl Chloride	19.11	91	1240500	6.23	ppbv	100
67) sec-Butylbenzene	19.42	105	5574620	7.33	ppbv	100
69) p-Isopropyltoluene	19.80	119	4798689	7.66	ppbv	100
70) n-Butylbenzene	20.76	91	4801308	7.55	ppbv	99
71) 2-Chlorotoluene	17.43	91	3199661	7.89	ppbv	100
72) 4-Ethyltoluene	17.83	105	3666873	7.84	ppbv	99
73) 1,3,5-Trimethylbenzene	17.99	105	3530489	7.68	ppbv	99
74) 1,2,4-Trimethylbenzene	18.84	105	3704155	7.19	ppbv	98
75) 1,3-Dichlorobenzene	19.13	146	2307022	6.88	ppbv	100
76) 1,4-Dichlorobenzene	19.28	146	2370348	7.06	ppbv	99
77) 1,2-Dichlorobenzene	20.03	146	2309405	6.94	ppbv	99
78) Hexachloro-1,3-Butadiene	24.67	225	1306154	6.38	ppbv	99
79) Naphthalene	23.93	128	3430845	6.90	ppbv	100
80) Naphthalene, 2-methyl-	26.04	142	591923	4.09	ppbv	100
81) 1,2,4-Trichlorobenzene	23.74	180	1770885	7.43	ppbv	99

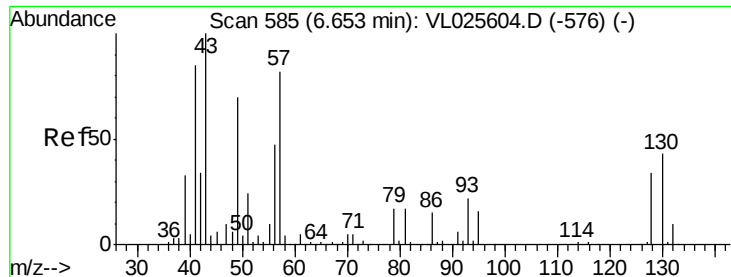
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.66 min Scan# 586

Delta R.T. 0.01 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

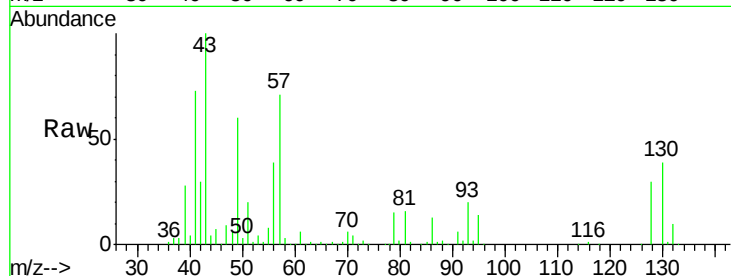
Tot Ion: 49 Resp: 651363

Ion Ratio Lower Upper

49 100

128 49.7 25.4 76.0

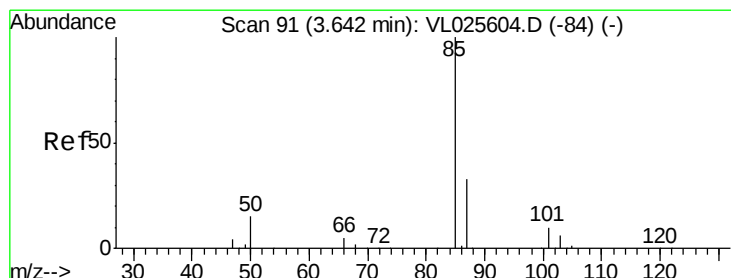
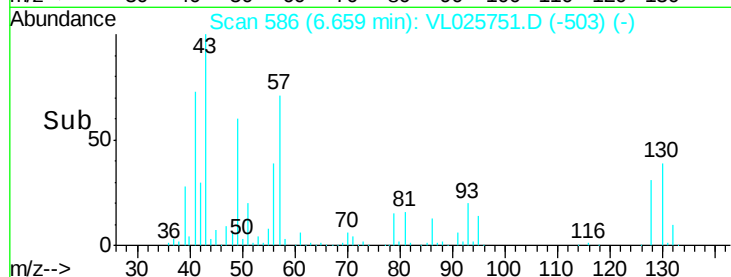
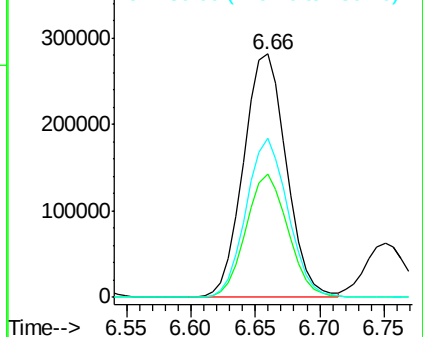
130 63.8 31.9 95.9



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: 7.33 ppbv

RT: 3.64 min Scan# 90

Delta R.T. -0.01 min

Lab File: VL025751.D

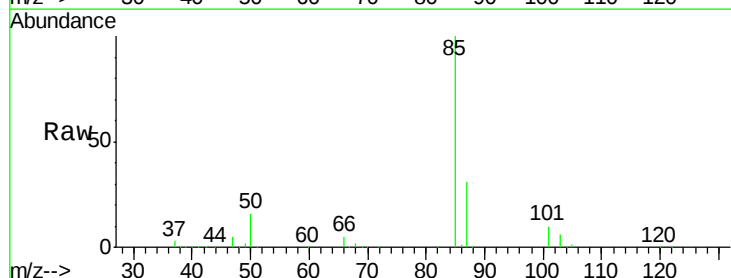
Acq: 27 Jul 2015 13:26

Tgt Ion: 85 Resp: 1236577

Ion Ratio Lower Upper

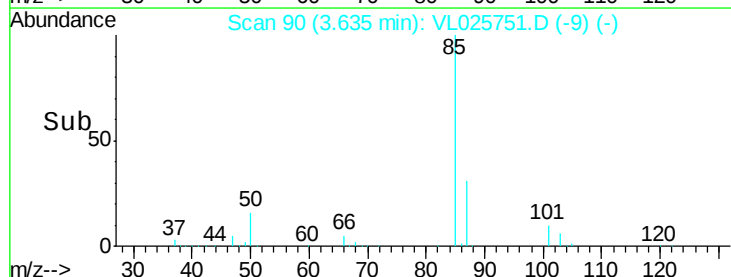
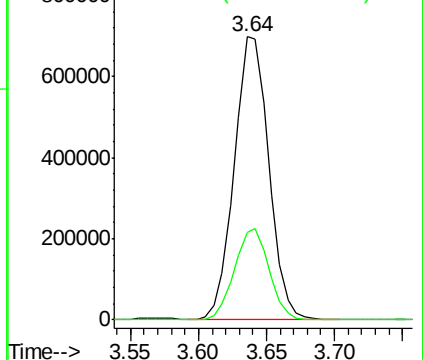
85 100

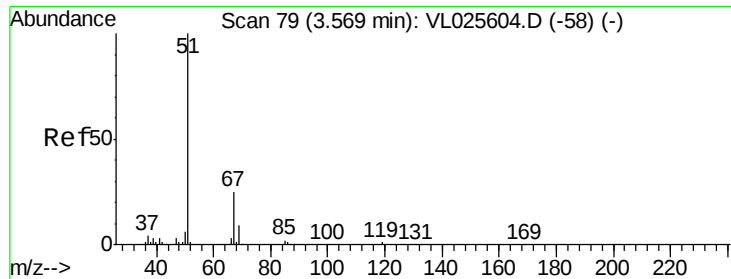
87 31.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

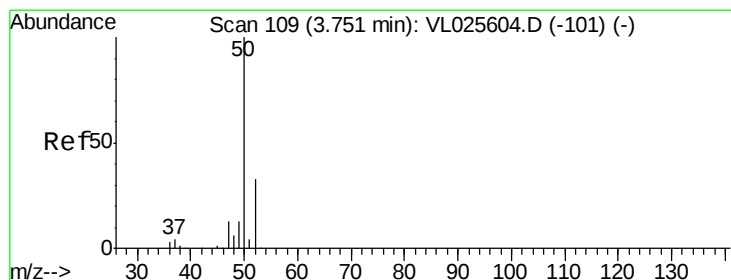
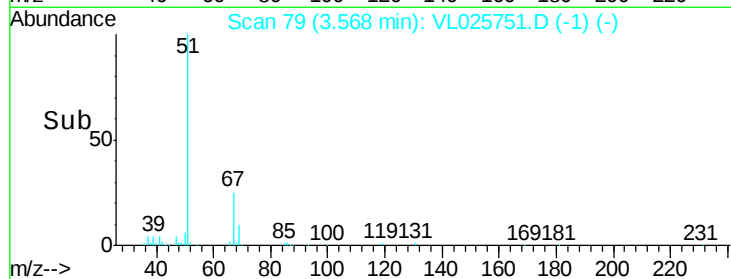
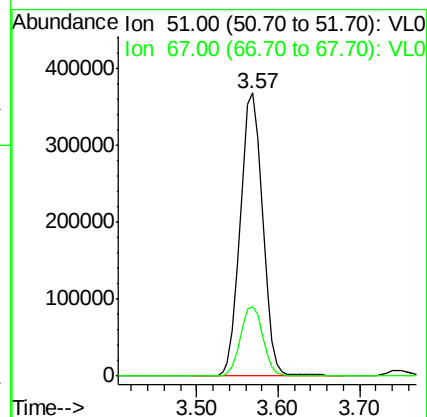
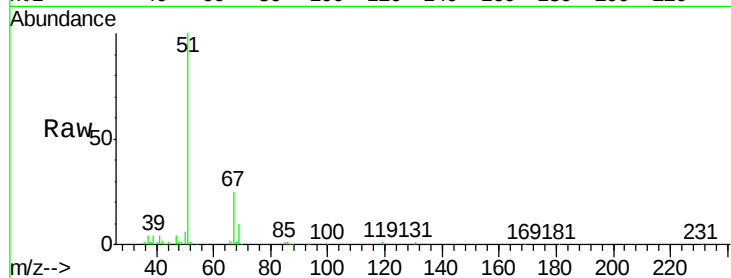




#3
 Chlorodifluoromethane
 Concen: 7.57 ppbv
 RT: 3.57 min Scan# 79
 Delta R.T. -0.00 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

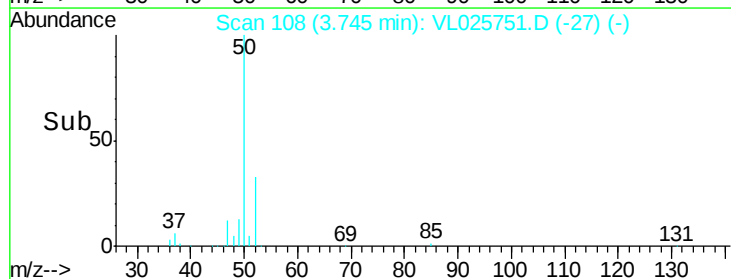
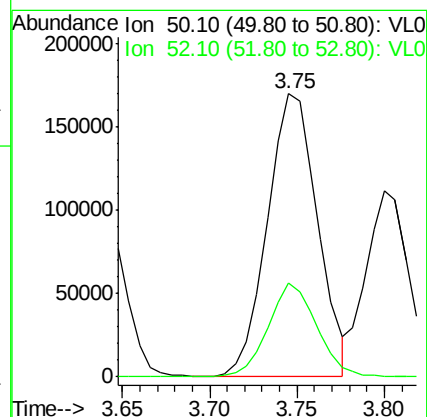
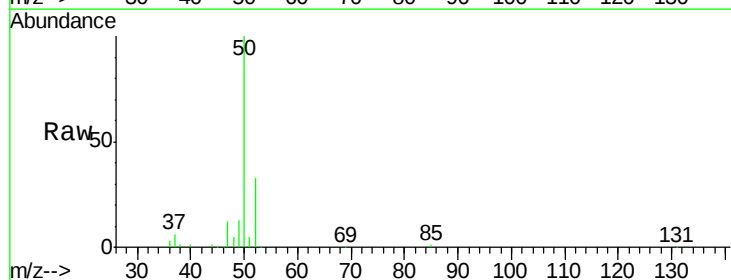
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

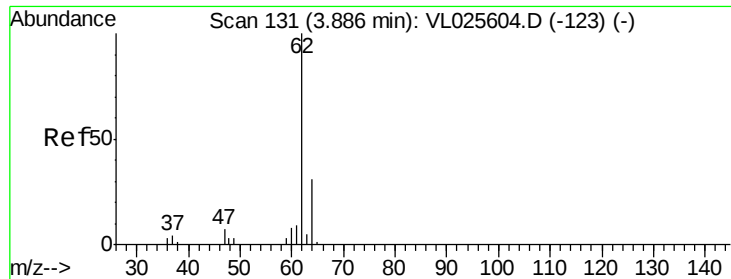
Tot Ion: 51 Resp: 694843
 Ion Ratio Lower Upper
 51 100
 67 24.7 19.5 29.3



#4
 Chloromethane
 Concen: 8.09 ppbv
 RT: 3.75 min Scan# 108
 Delta R.T. -0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Tgt Ion: 50 Resp: 338746
 Ion Ratio Lower Upper
 50 100
 52 33.2 26.2 39.2





#5

Vinyl Chloride

Concen: 8.15 ppbv

RT: 3.89 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

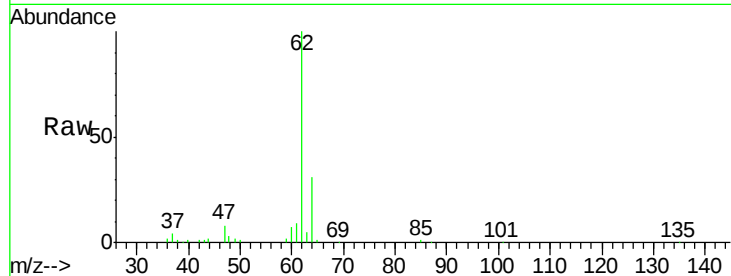
VL0727ABS01

Tot Ion: 62 Resp: 368718

Ion Ratio Lower Upper

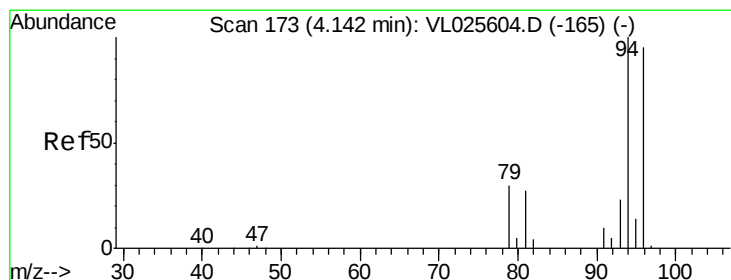
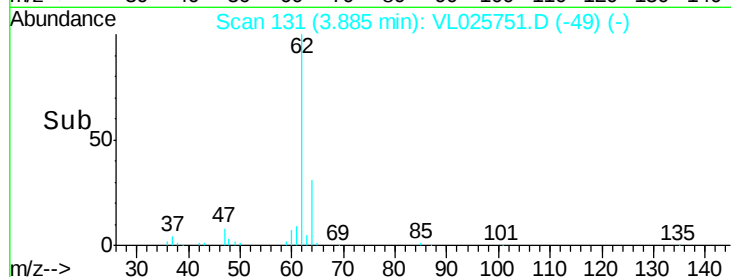
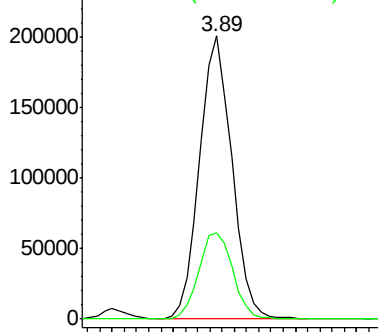
62 100

64 30.6 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.46 ppbv

RT: 4.14 min Scan# 173

Delta R.T. -0.00 min

Lab File: VL025751.D

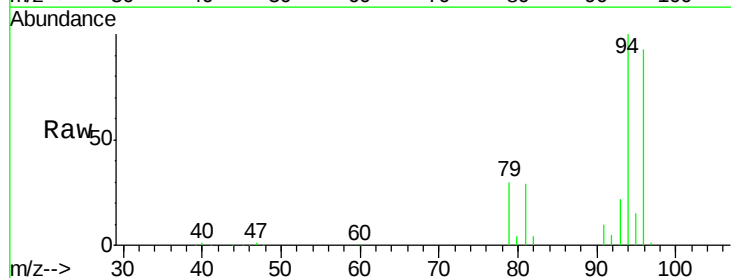
Acq: 27 Jul 2015 13:26

Tgt Ion: 94 Resp: 310457

Ion Ratio Lower Upper

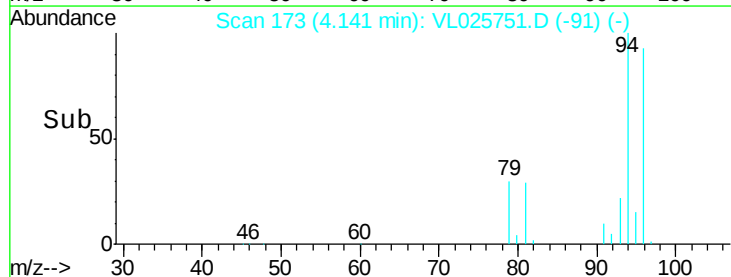
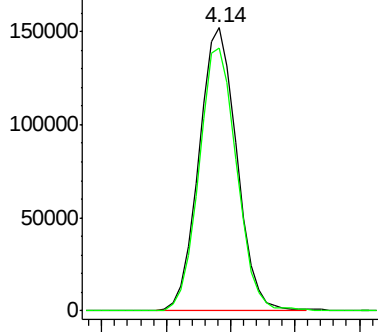
94 100

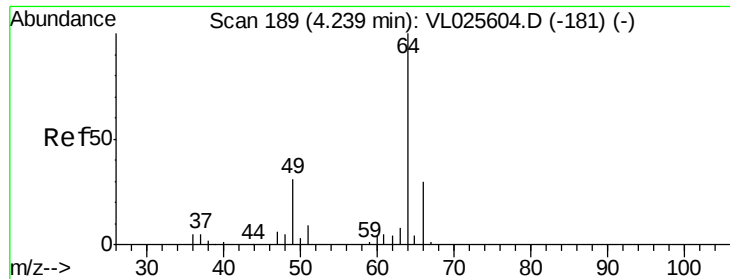
96 92.8 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 7.98 ppbv

RT: 4.24 min Scan# 189

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

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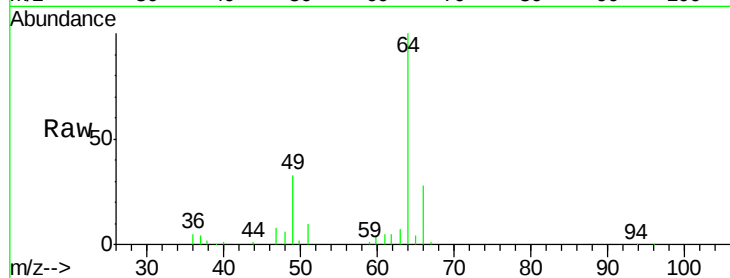
VL0727ABS01

Tot Ion: 64 Resp: 167906

Ion Ratio Lower Upper

64 100

66 28.4 23.8 35.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

4.24

100000

80000

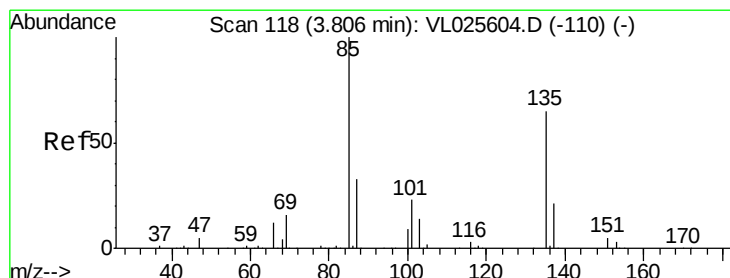
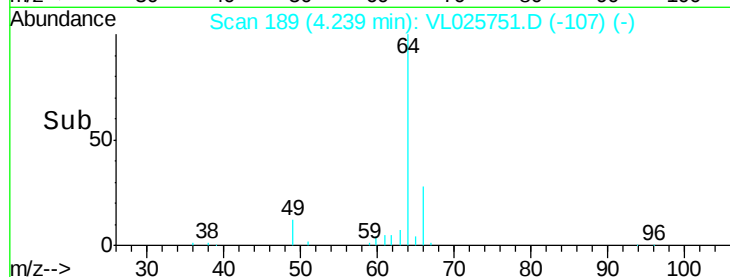
60000

40000

20000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 7.75 ppbv

RT: 3.80 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL025751.D

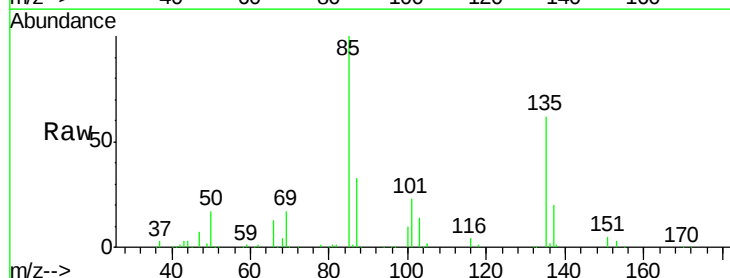
Acq: 27 Jul 2015 13:26

Tgt Ion: 85 Resp: 1146715

Ion Ratio Lower Upper

85 100

135 64.9 52.2 78.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.80

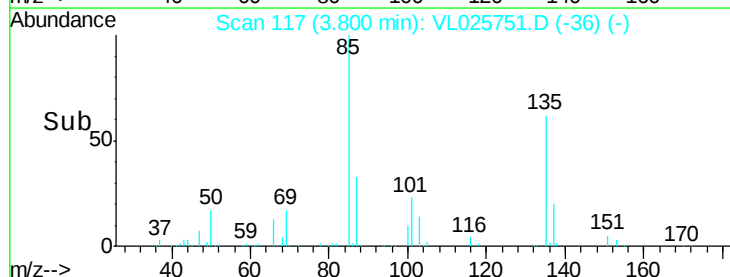
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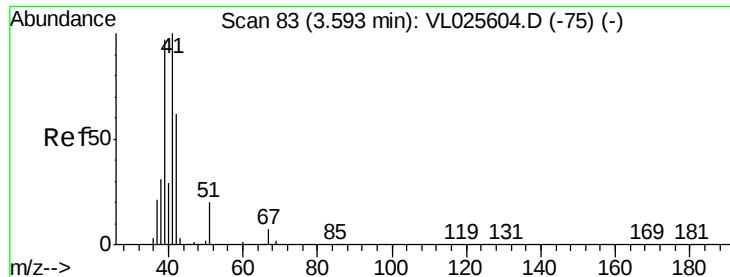
400000

200000

0

Time-->





#9

Propene

Concen: 8.19 ppbv

RT: 3.59 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

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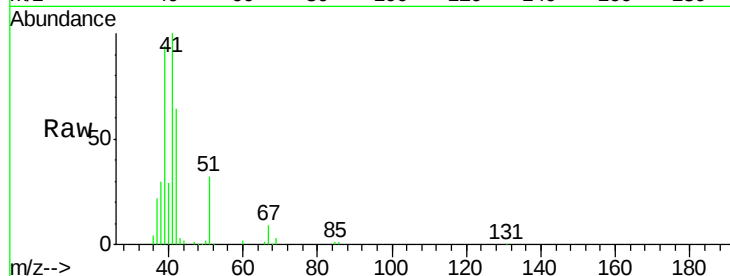
VL0727ABS01

Tot Ion: 41 Resp: 249869

Ion Ratio Lower Upper

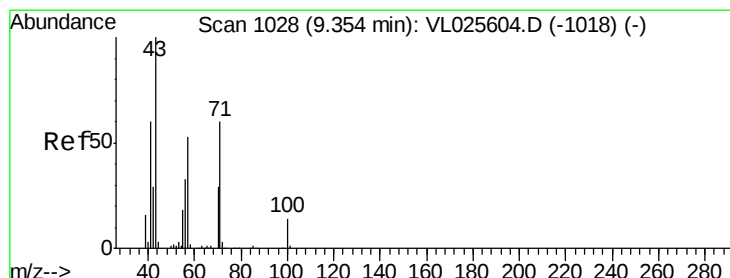
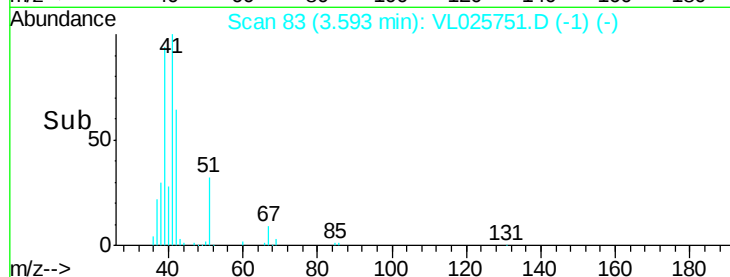
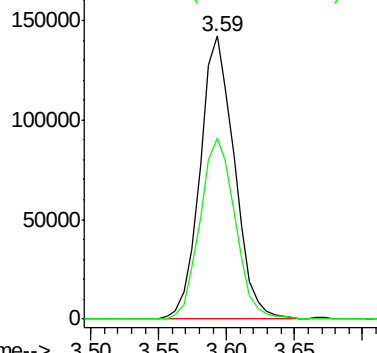
41 100

42 65.6 52.4 78.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.90 ppbv

RT: 9.36 min Scan# 1029

Delta R.T. 0.01 min

Lab File: VL025751.D

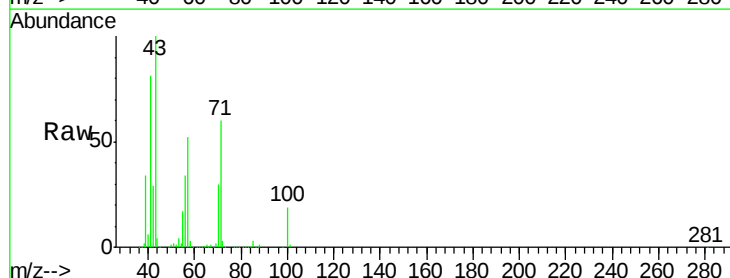
Acq: 27 Jul 2015 13:26

Tgt Ion: 43 Resp: 1056572

Ion Ratio Lower Upper

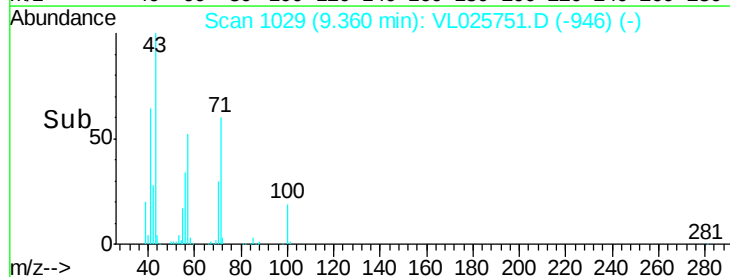
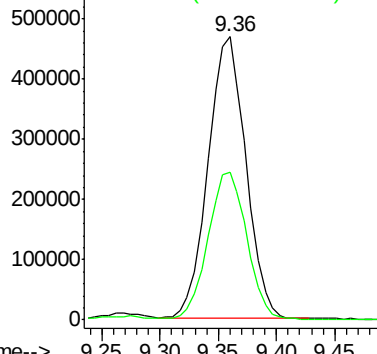
43 100

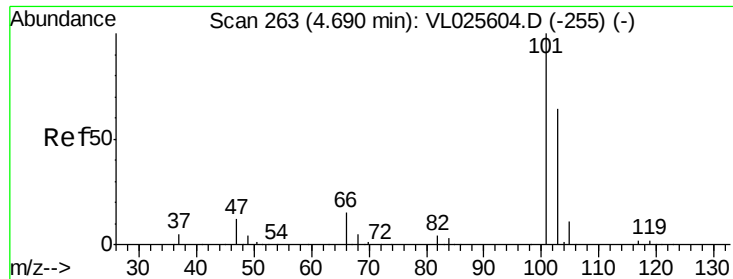
57 55.0 42.6 64.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

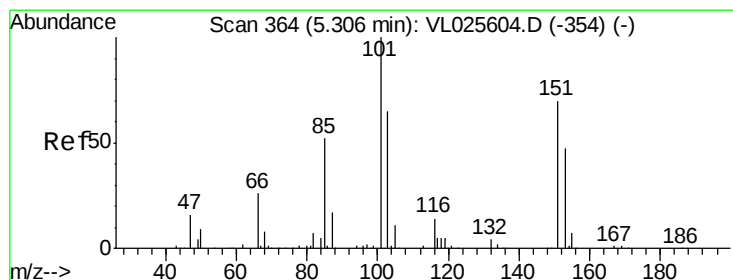
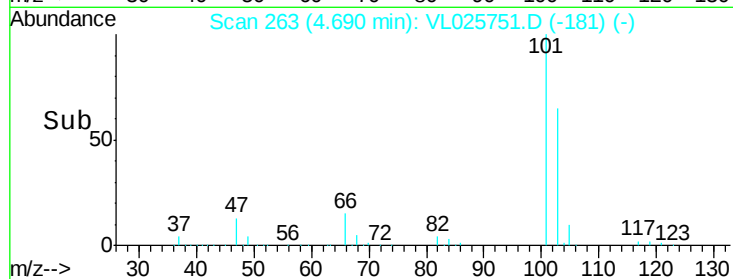
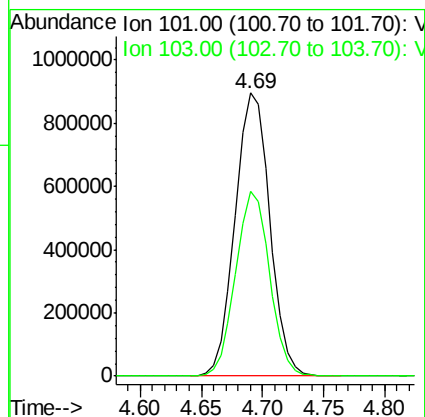
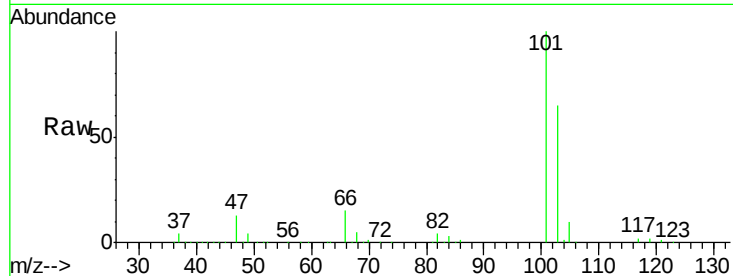




#11
 Trichlorofluoromethane
 Concen: 8.06 ppbv
 RT: 4.69 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

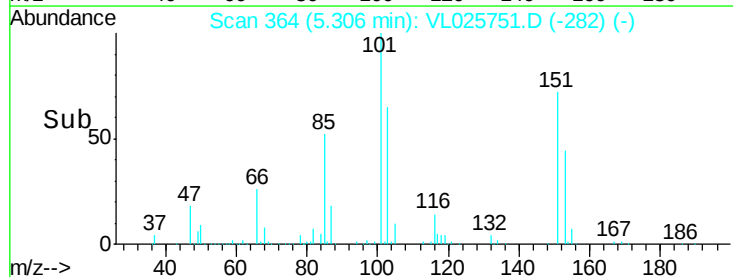
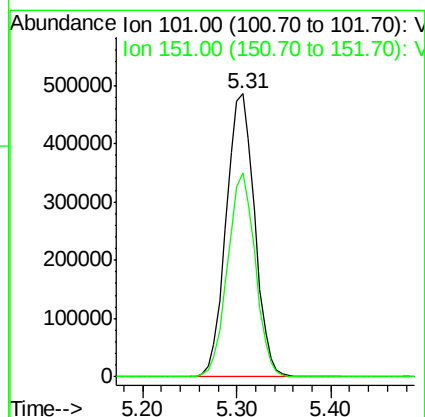
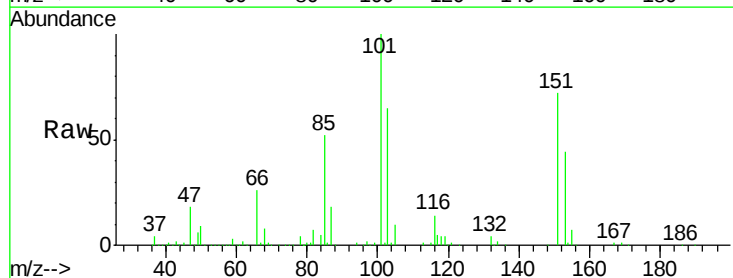
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

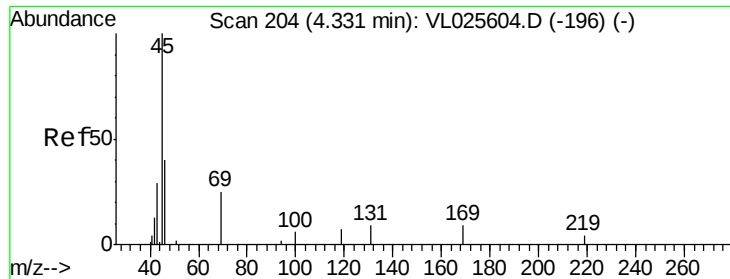
Tot Ion:101 Resp: 1765097
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.12 ppbv
 RT: 5.31 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Tgt Ion:101 Resp: 1019644
 Ion Ratio Lower Upper
 101 100
 151 70.3 56.3 84.5

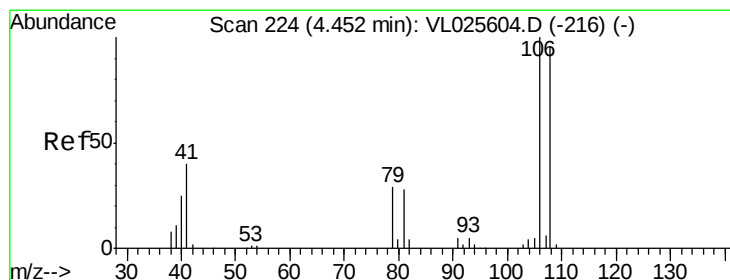
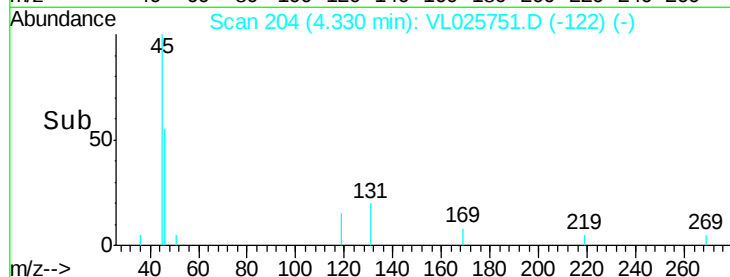
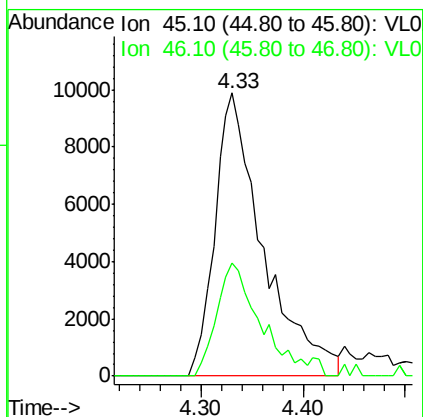
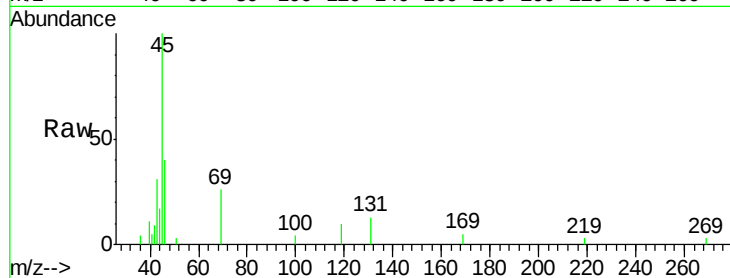




#13
Ethanol
Concen: 6.84 ppbv
RT: 4.33 min Scan# 204
Delta R.T. -0.00 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

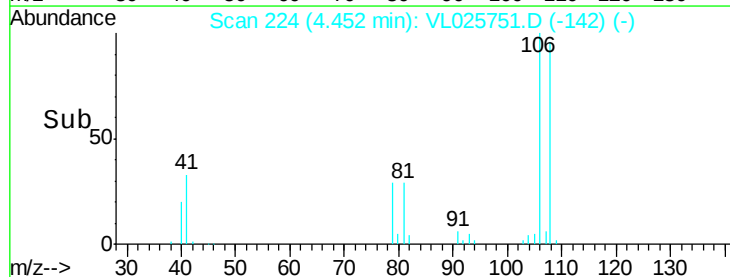
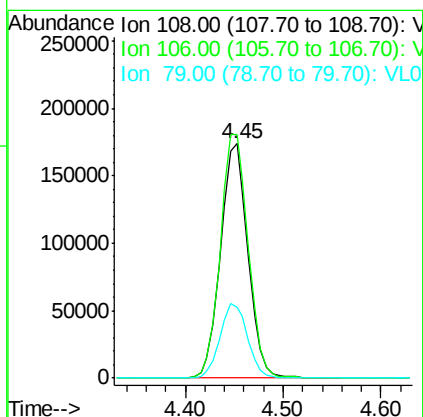
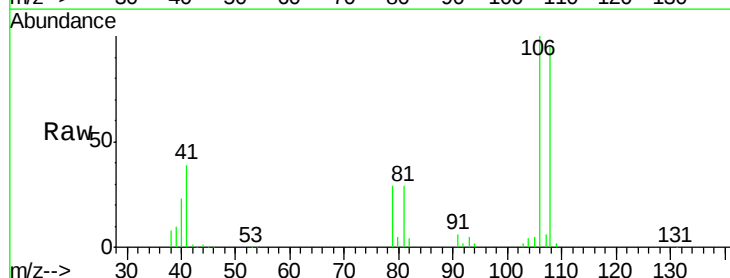
Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

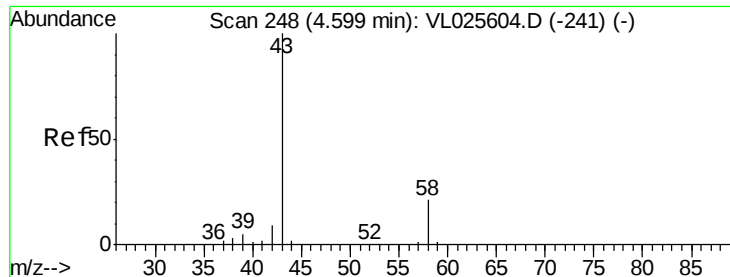
Tot Ion: 45 Resp: 32435
Ion Ratio Lower Upper
45 100
46 38.2 16.0 64.0



#14
Bromoethene
Concen: 8.19 ppbv
RT: 4.45 min Scan# 224
Delta R.T. -0.00 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

Tgt Ion:108 Resp: 337049
Ion Ratio Lower Upper
108 100
106 106.2 85.7 128.5
79 32.2 24.6 36.8





#15

Acetone

Concen: 11.59 ppbv

RT: 4.60 min Scan# 248

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

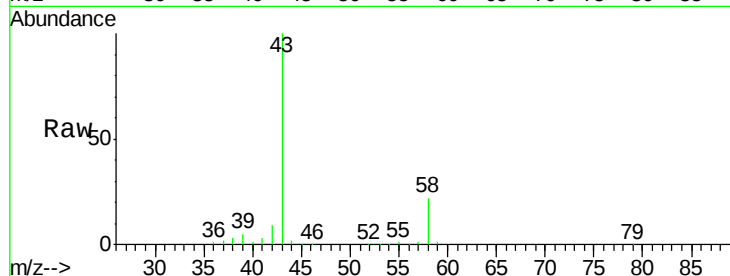
VL0727ABS01

Tot Ion: 43 Resp: 1333186

Ion Ratio Lower Upper

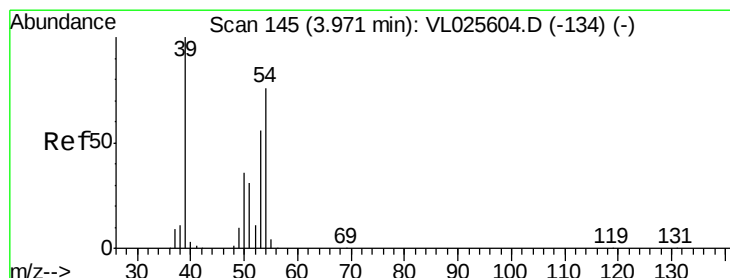
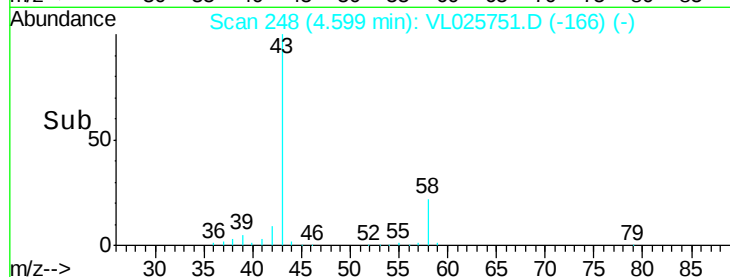
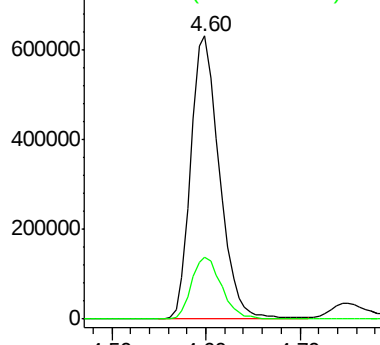
43 100

58 23.0 17.2 25.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.04 ppbv

RT: 3.96 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL025751.D

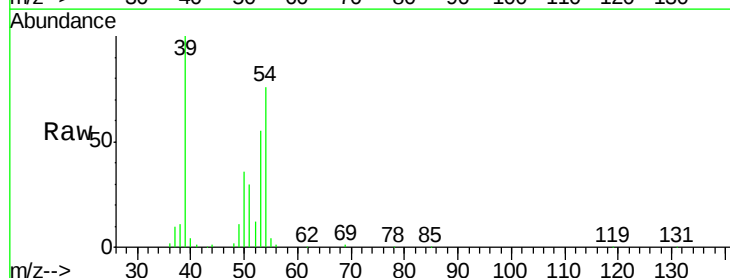
Acq: 27 Jul 2015 13:26

Tgt Ion: 39 Resp: 368177

Ion Ratio Lower Upper

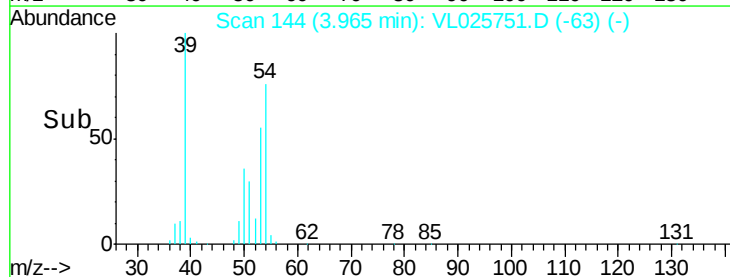
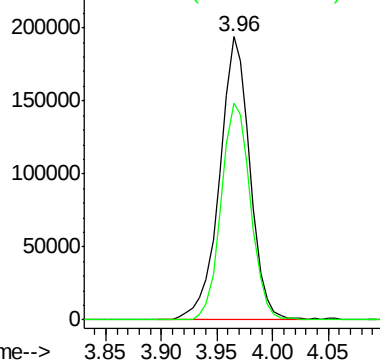
39 100

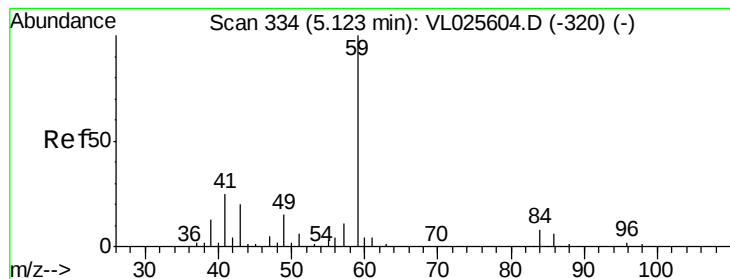
54 74.3 59.3 88.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



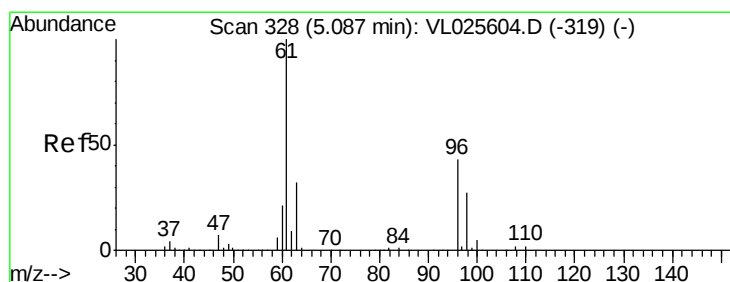
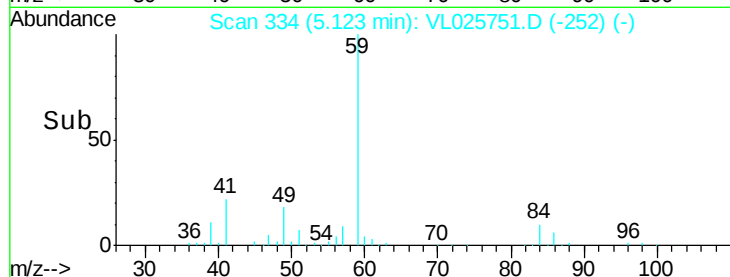
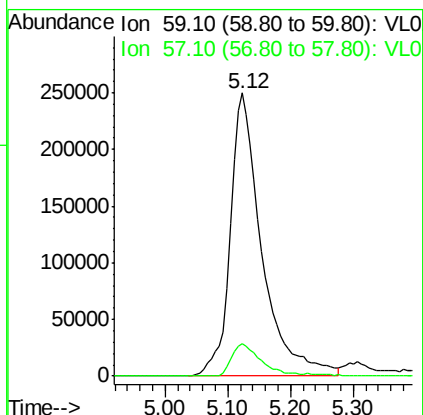
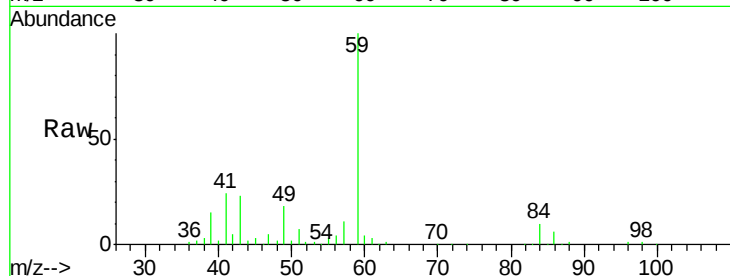


#17

tert-Butyl alcohol
 Concen: 9.02 ppbv
 RT: 5.12 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

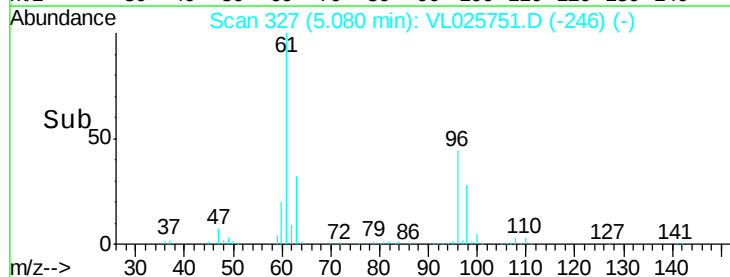
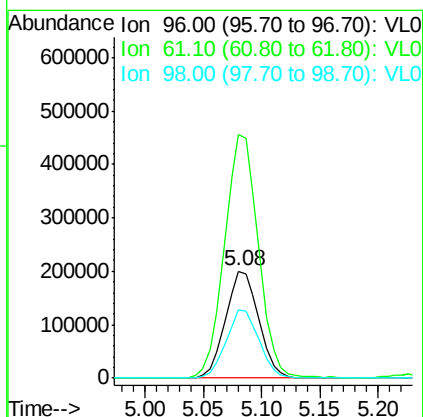
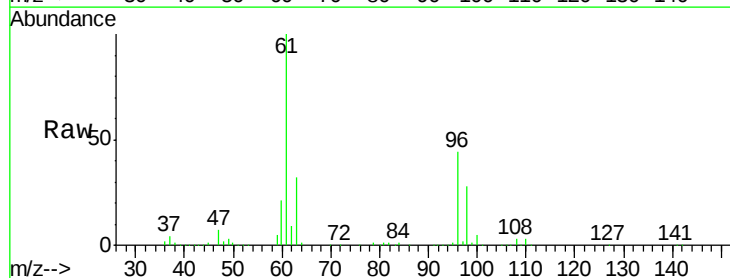
Tot Ion: 59 Resp: 871125
 Ion Ratio Lower Upper
 59 100
 57 11.7 9.4 14.2

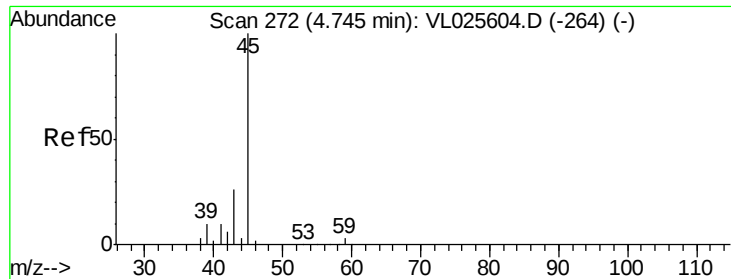


#18

1,1-Dichloroethene
 Concen: 8.28 ppbv
 RT: 5.08 min Scan# 327
 Delta R.T. -0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Tgt Ion: 96 Resp: 398034
 Ion Ratio Lower Upper
 96 100
 61 227.4 184.1 276.1
 98 63.9 50.0 75.0





#19

Isopropyl Alcohol

Concen: 7.68 ppbv

RT: 4.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

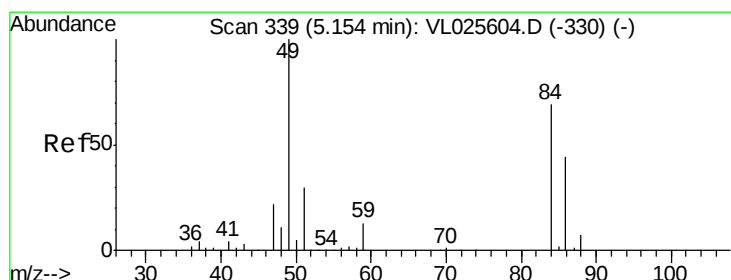
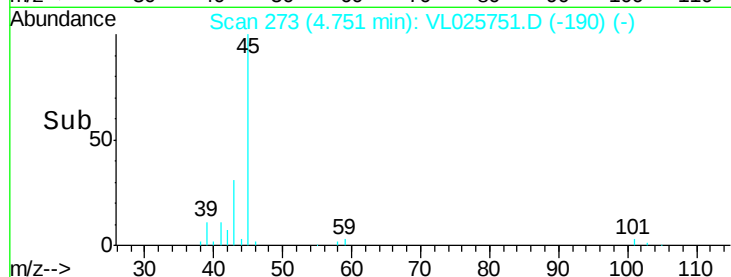
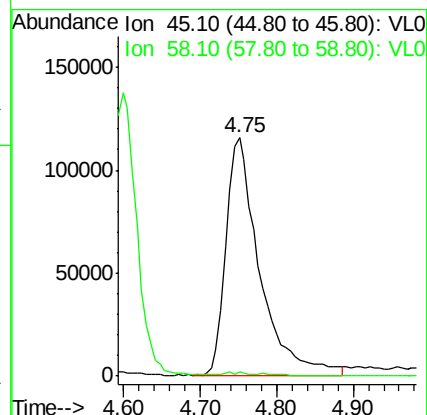
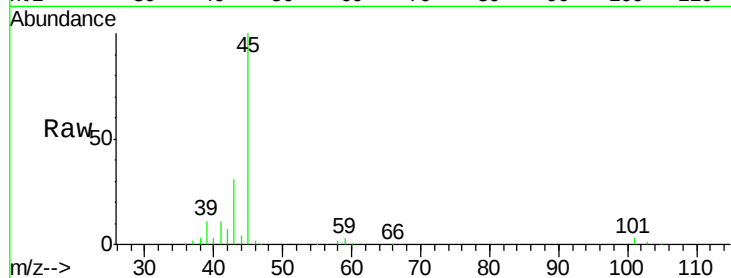
VL0727ABS01

Tot Ion: 45 Resp: 352804

Ion Ratio Lower Upper

45 100

58 86.9 1.1 1.7#



#20

Methylene Chloride

Concen: 7.79 ppbv

RT: 5.15 min Scan# 338

Delta R.T. -0.01 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Tgt Ion: 84 Resp: 364347

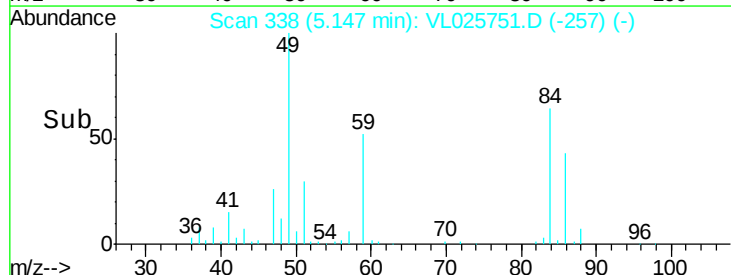
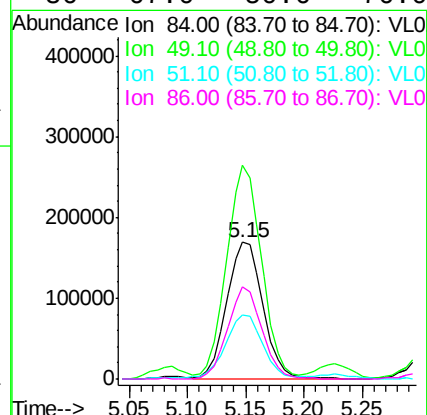
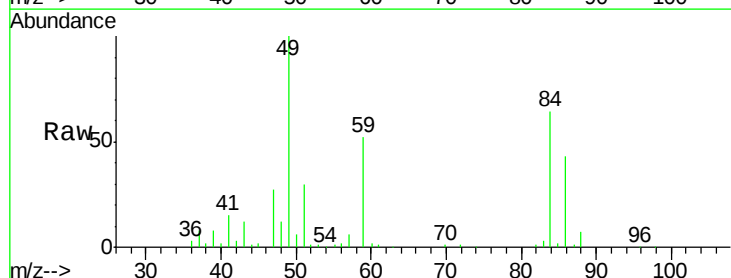
Ion Ratio Lower Upper

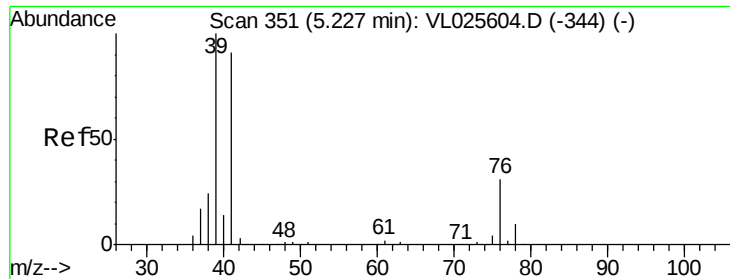
84 100

49 153.6 115.2 172.8

51 45.3 35.0 52.6

86 67.0 50.6 76.0

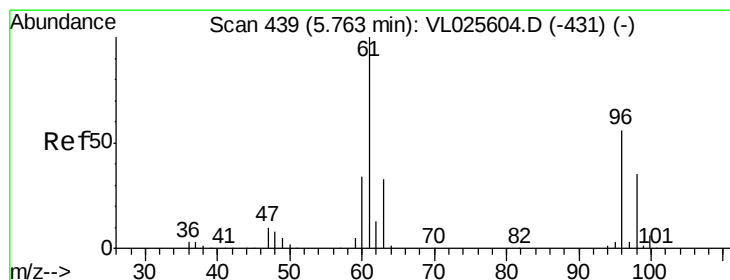
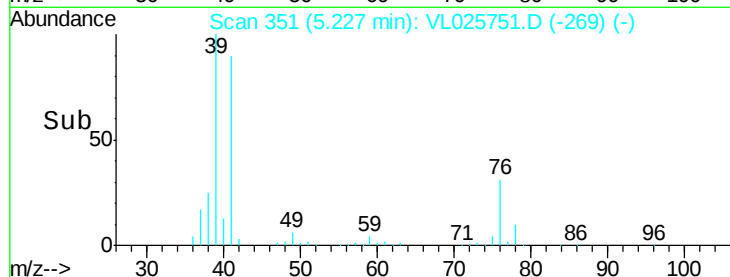
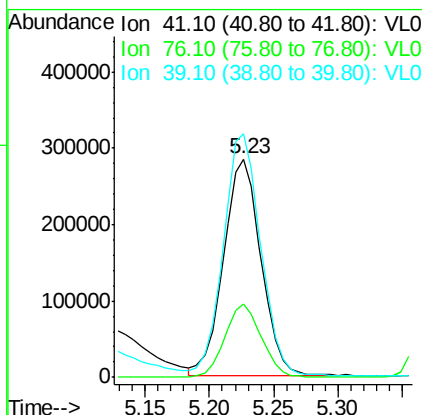
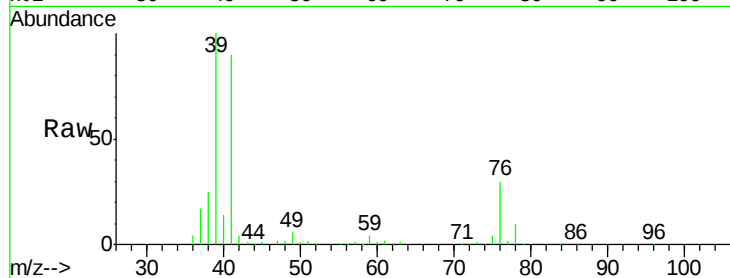




#21
Allvl Chloride
Concen: 8.04 ppbv
RT: 5.23 min Scan# 351
Delta R.T. -0.00 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

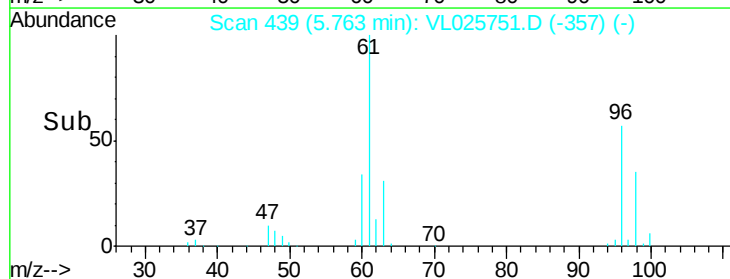
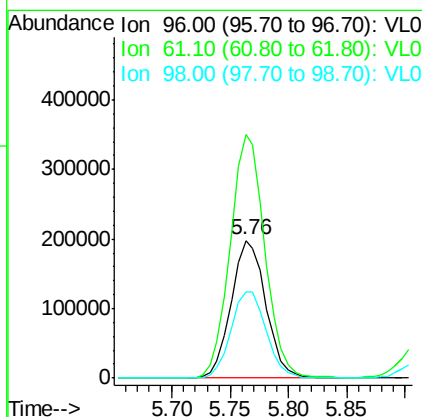
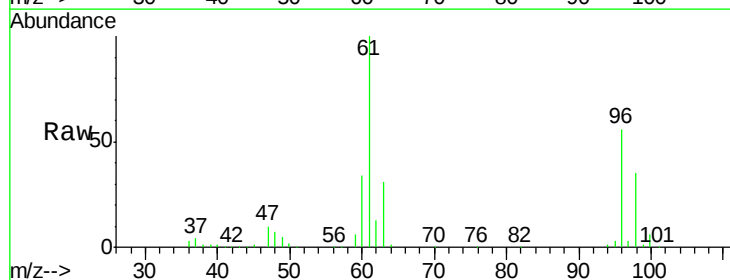
Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

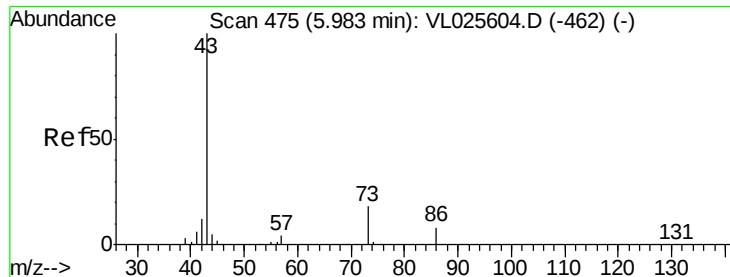
Tot Ion: 41 Resp: 579088
Ion Ratio Lower Upper
41 100
76 32.7 26.6 40.0
39 112.6 88.2 132.4



#22
trans-1,2-Dichloroethene
Concen: 8.35 ppbv
RT: 5.76 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

Tgt Ion: 96 Resp: 409617
Ion Ratio Lower Upper
96 100
61 177.0 141.8 212.6
98 62.4 49.0 73.6





#23

Vinyl Acetate

Concen: 9.53 ppbv

RT: 5.98 min Scan# 475

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 43 Resp: 1661747

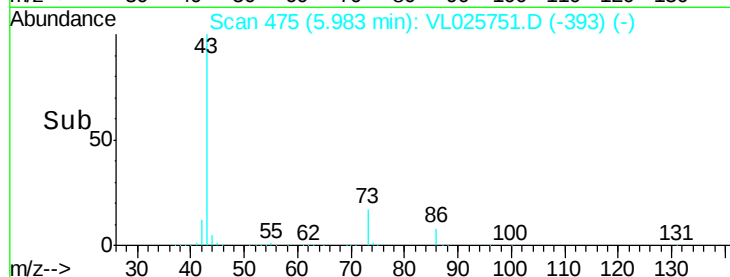
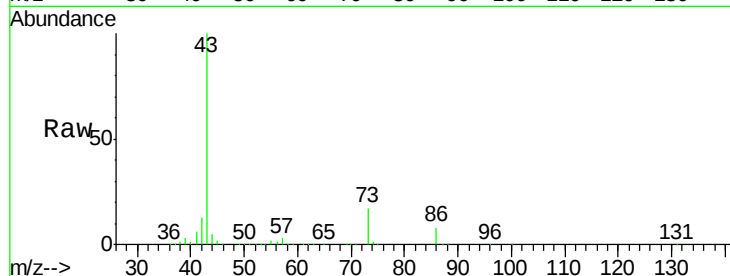
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.7	10.1
42	12.7	9.8	14.6
44	4.9	4.1	6.1

43 100

86 8.2 6.7 10.1

42 12.7 9.8 14.6

44 4.9 4.1 6.1

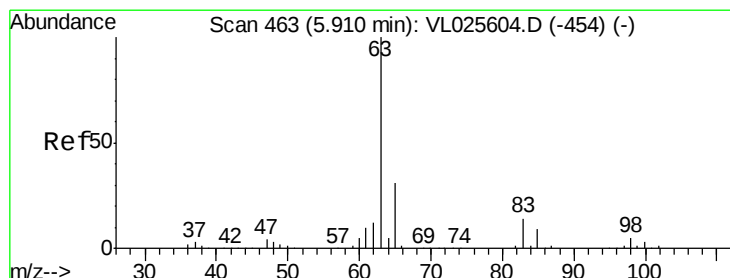
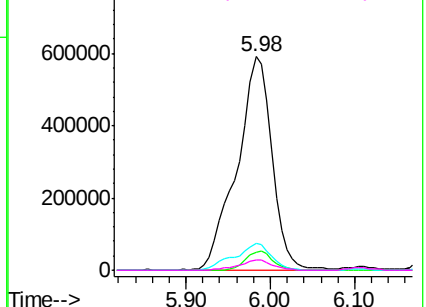


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.21 ppbv

RT: 5.92 min Scan# 464

Delta R.T. 0.01 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

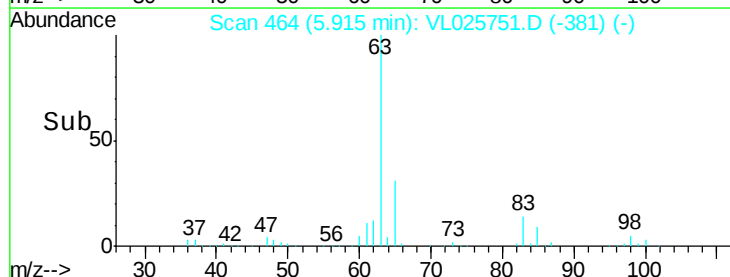
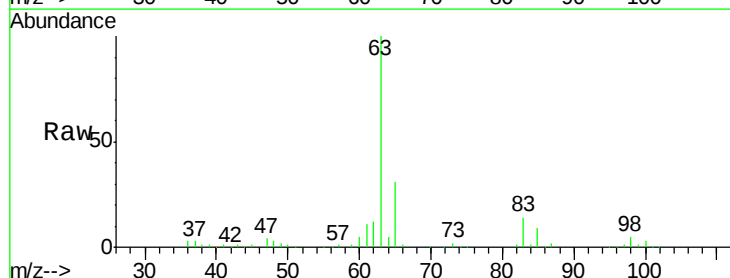
Tgt Ion: 63 Resp: 959430

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.6	8.0
100	3.2	1.6	4.7

63 100

98 5.0 2.6 8.0

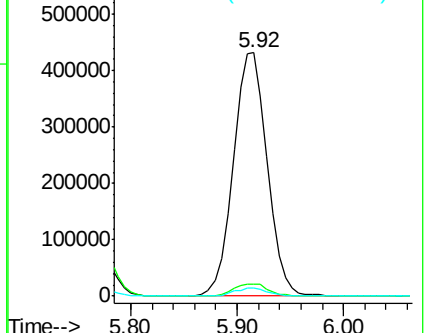
100 3.2 1.6 4.7

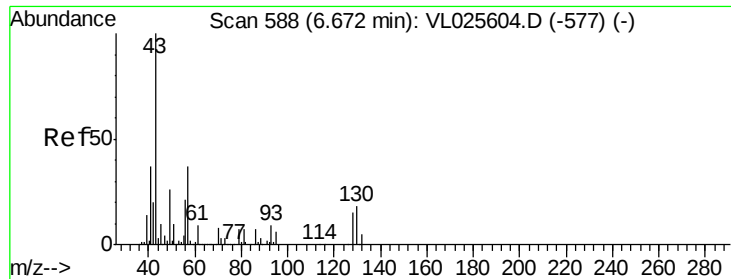


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



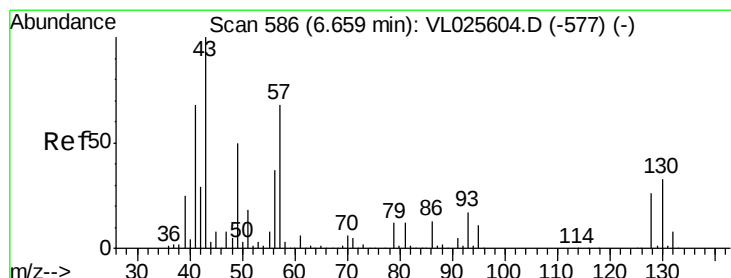
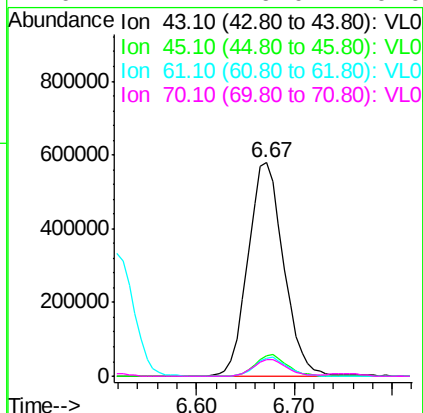
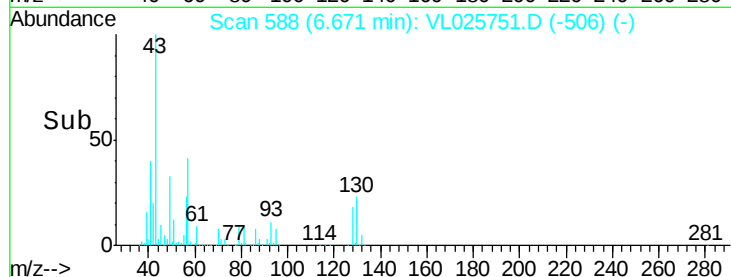
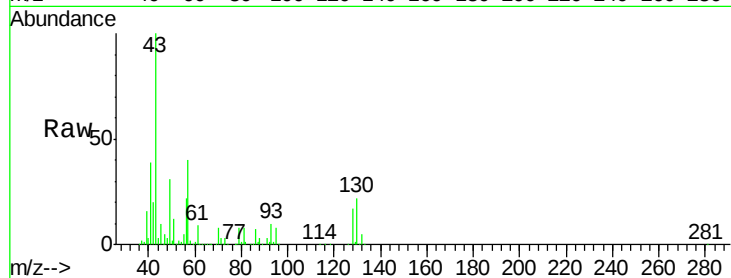


#25
Ethyl Acetate
Concen: 8.37 ppbv
RT: 6.67 min Scan# 588
Delta R.T. -0.00 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

Tot Ion: 43 Resp: 1458338

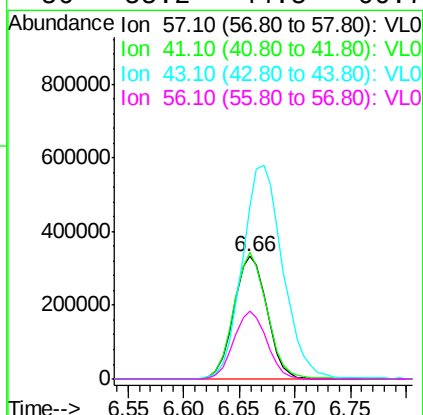
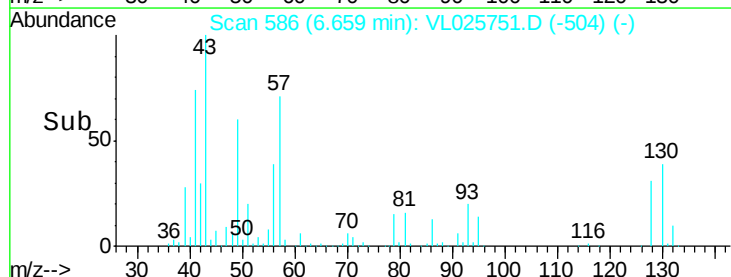
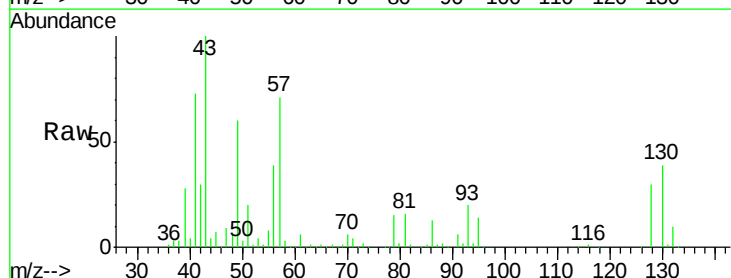
Ion	Ratio	Lower	Upper
43	100		
45	9.2	7.5	11.3
61	8.2	6.6	10.0
70	7.4	6.0	9.0

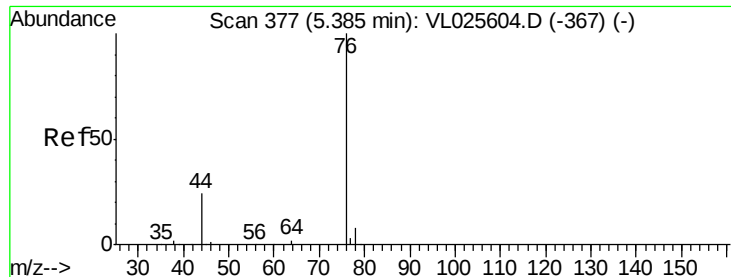


#26
Hexane
Concen: 8.37 ppbv
RT: 6.66 min Scan# 586
Delta R.T. -0.00 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

Tgt Ion: 57 Resp: 685852

Ion	Ratio	Lower	Upper
57	100		
41	104.7	81.4	122.2
43	215.2	171.4	257.2
56	55.2	44.5	66.7





#27

Carbon Disulfide

Concen: 8.33 ppbv

RT: 5.39 min Scan# 377

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

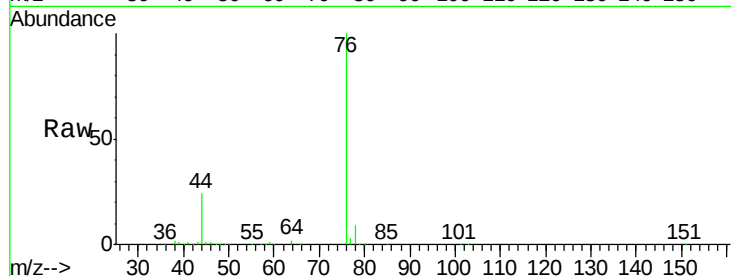
Tot Ion: 76 Resp: 1105539

Ion Ratio Lower Upper

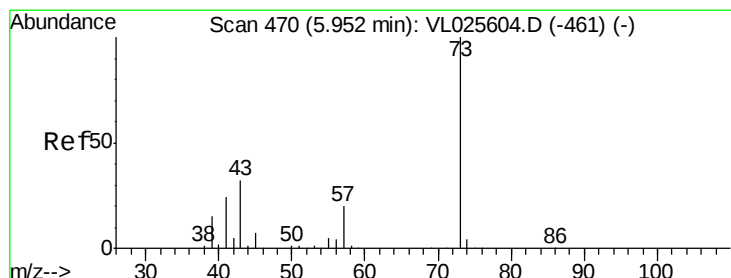
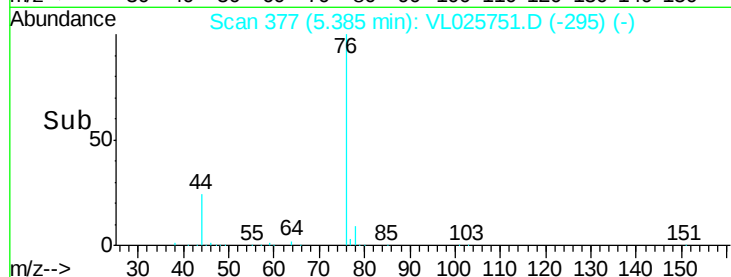
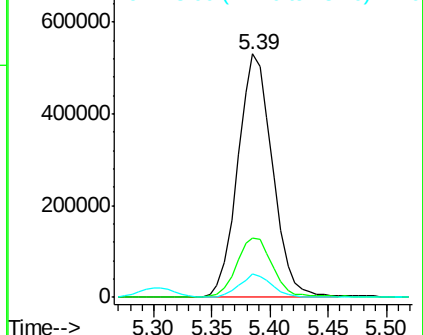
76 100

44 25.1 20.2 30.4

78 9.1 7.4 11.2



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: 8.70 ppbv

RT: 5.95 min Scan# 470

Delta R.T. -0.00 min

Lab File: VL025751.D

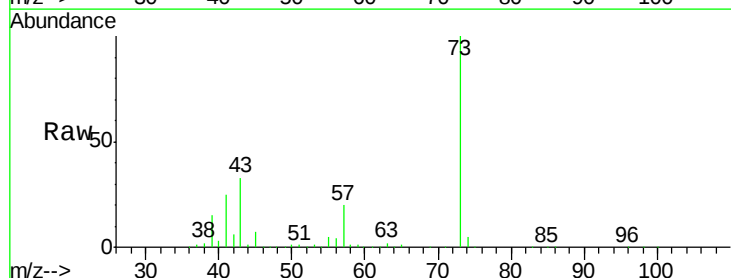
Acq: 27 Jul 2015 13:26

Tgt Ion: 73 Resp: 1418366

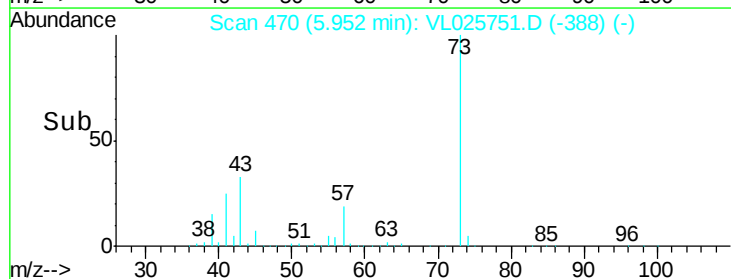
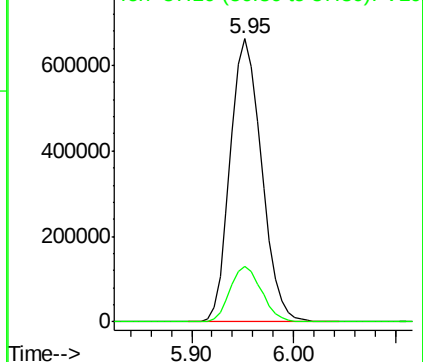
Ion Ratio Lower Upper

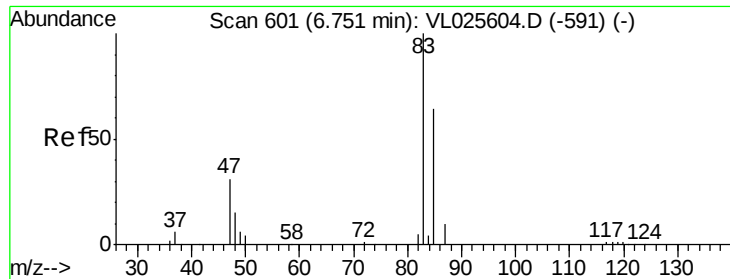
73 100

57 20.0 16.0 24.0



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

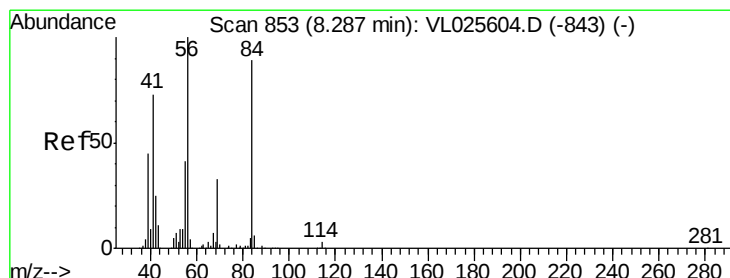
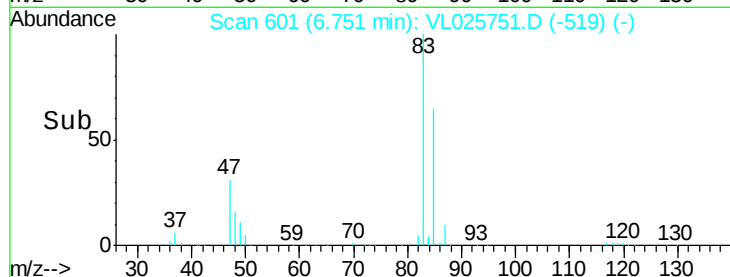
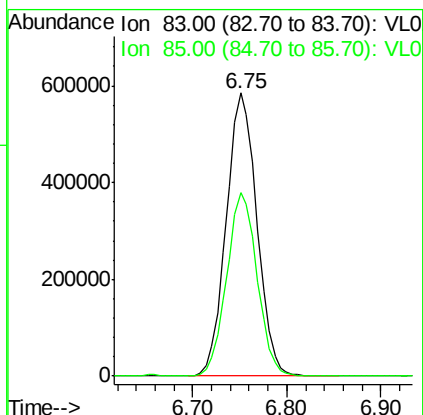
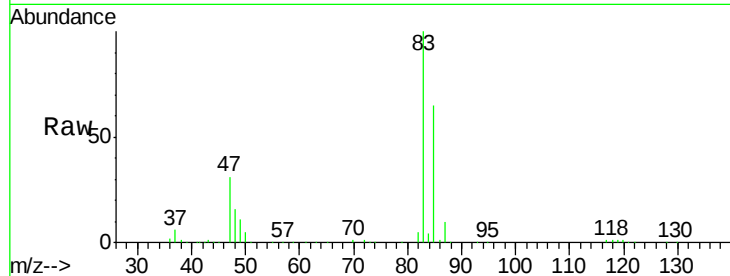




#29
Chloroform
Concen: 8.17 ppbv
RT: 6.75 min Scan# 601
Delta R.T. -0.00 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

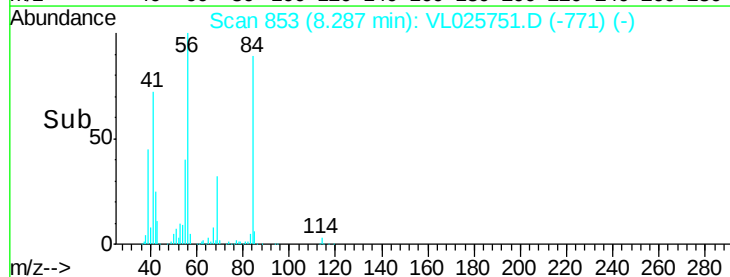
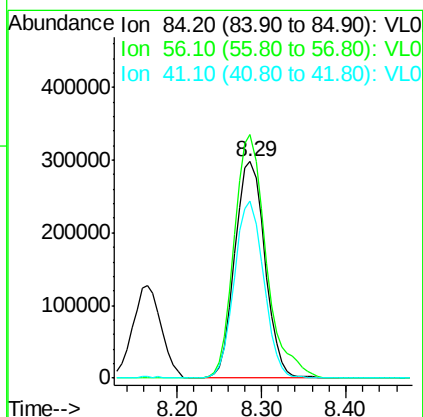
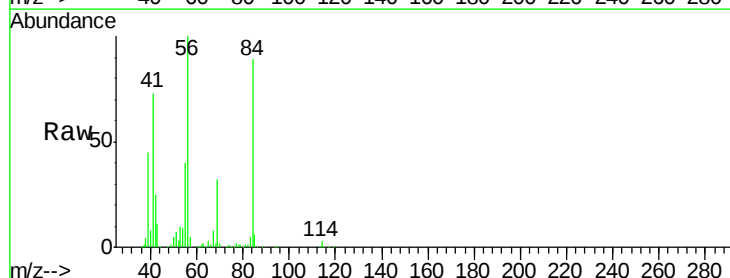
Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

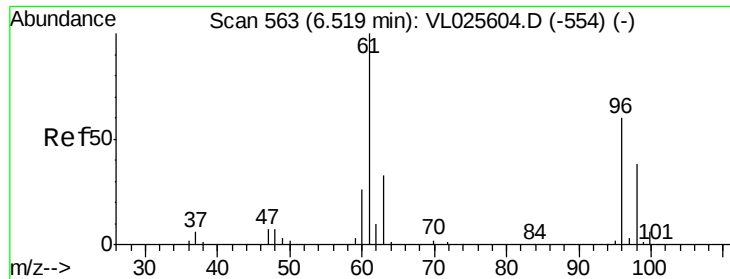
Tot Ion: 83 Resp: 1322550
Ion Ratio Lower Upper
83 100
85 64.8 51.6 77.4



#30
Cyclohexane
Concen: 9.21 ppbv
RT: 8.29 min Scan# 853
Delta R.T. -0.00 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

Tgt Ion: 84 Resp: 721890
Ion Ratio Lower Upper
84 100
56 119.6 97.5 146.3
41 80.0 65.4 98.2





#31

cis-1,2-Dichloroethene

Concen: 8.75 ppbv

RT: 6.52 min Scan# 563

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

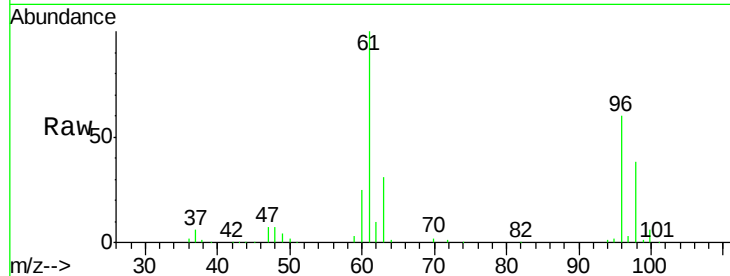
Tot Ion: 61 Resp: 712593

Ion Ratio Lower Upper

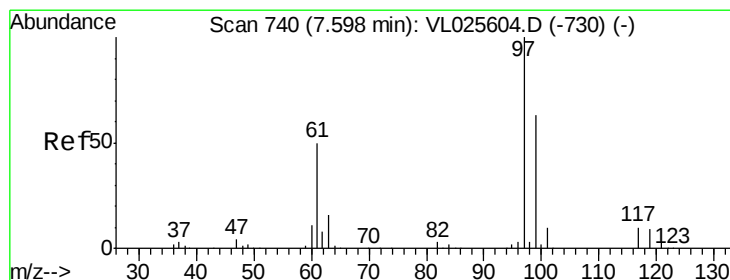
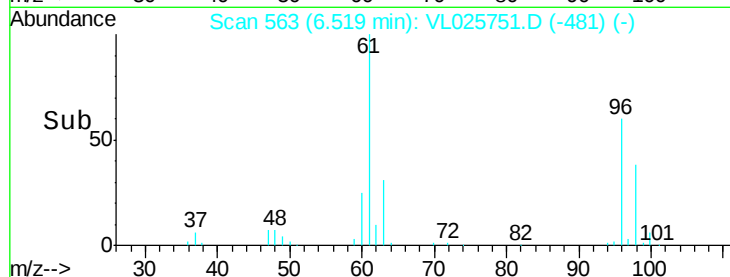
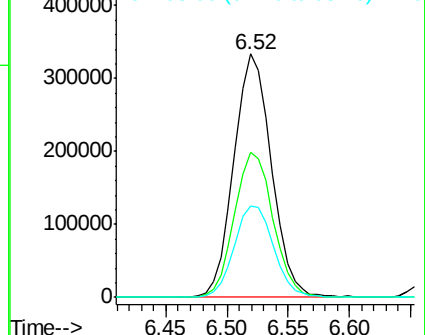
61 100

96 59.7 48.1 72.1

98 37.6 30.7 46.1



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: 8.37 ppbv

RT: 7.60 min Scan# 740

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

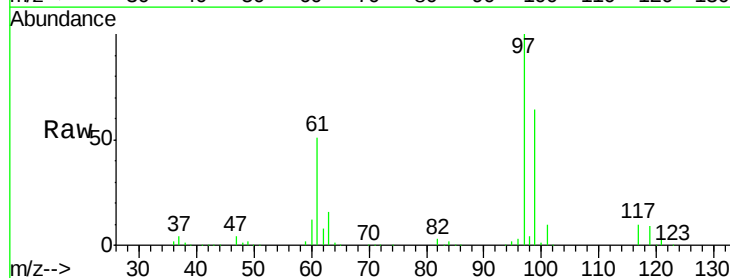
Tgt Ion: 97 Resp: 1473398

Ion Ratio Lower Upper

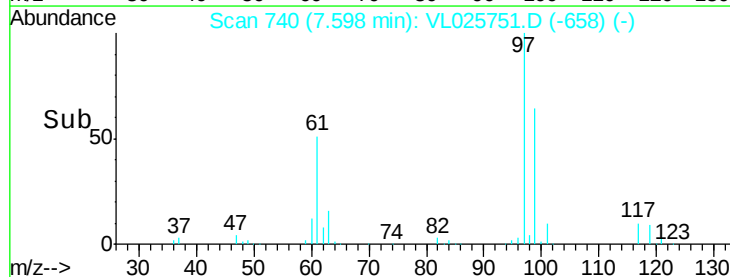
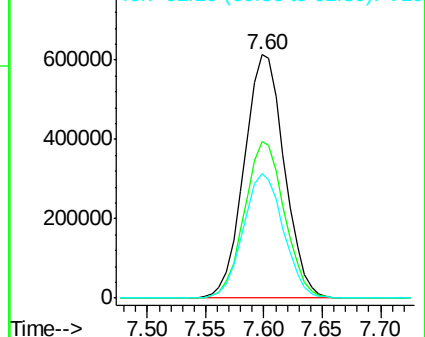
97 100

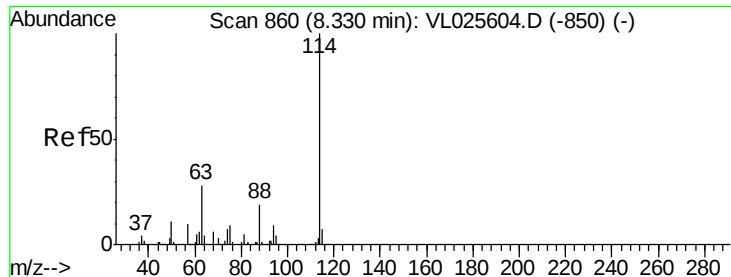
99 64.0 51.2 76.8

61 51.1 40.4 60.6



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

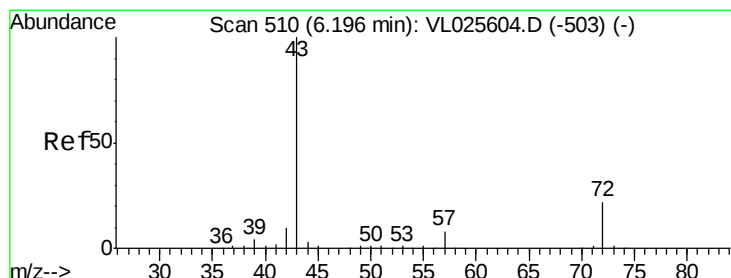
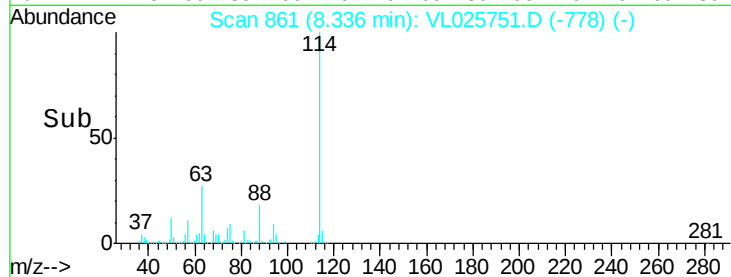
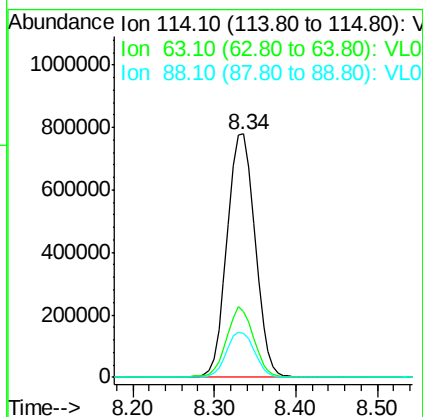
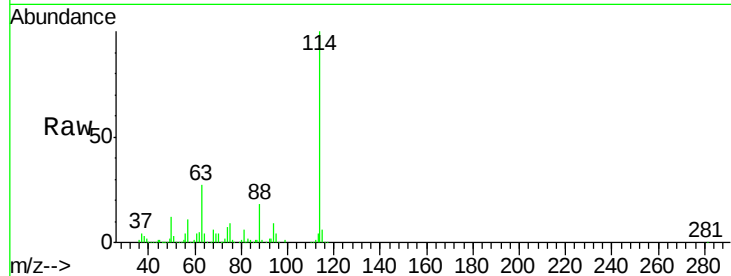




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

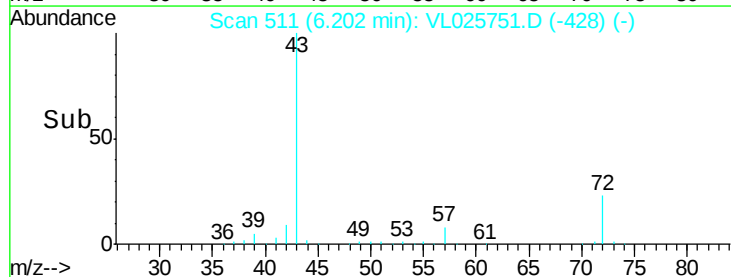
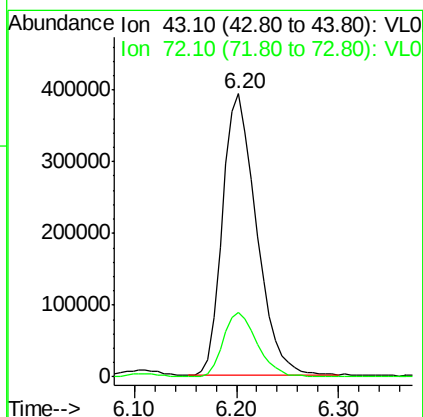
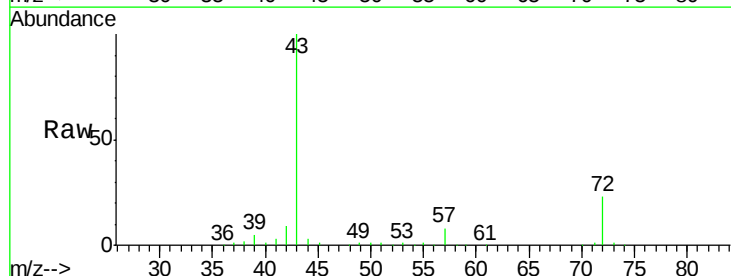
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

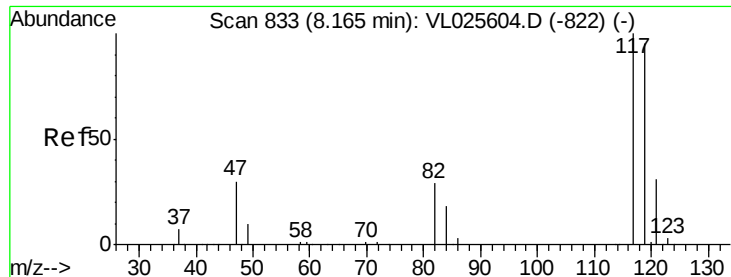
Tot Ion:114 Resp: 1852308
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.4 33.6
 88 18.6 15.0 22.4



#34
 2-Butanone
 Concen: 8.63 ppbv
 RT: 6.20 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Tgt Ion: 43 Resp: 907468
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.6 28.0





#35

Carbon Tetrachloride

Concen: 8.03 ppbv

RT: 8.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

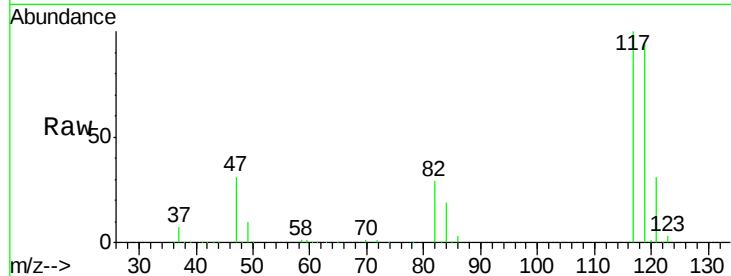
Tot Ion:117 Resp: 1585549

Ion Ratio Lower Upper

117 100

119 94.5 75.9 113.9

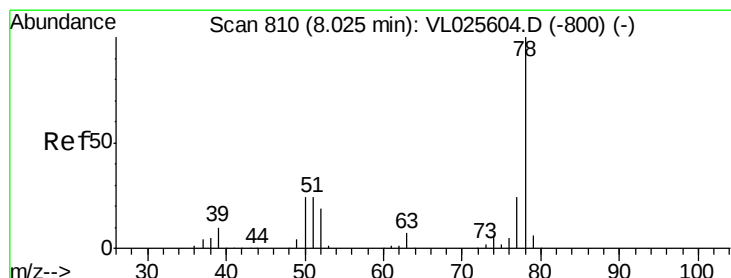
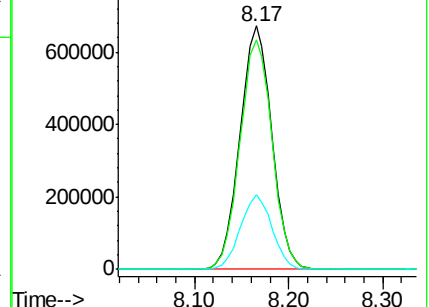
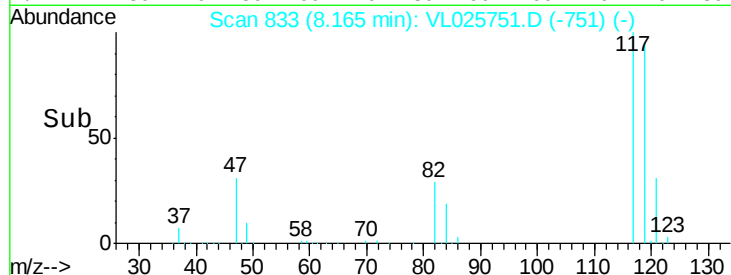
121 30.5 24.4 36.6



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: 8.56 ppbv

RT: 8.02 min Scan# 810

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

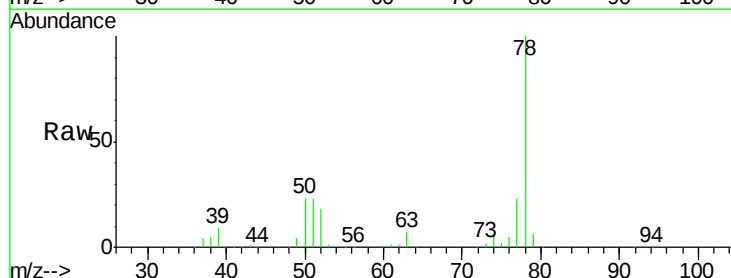
Tgt Ion: 78 Resp: 1517846

Ion Ratio Lower Upper

78 100

77 23.0 19.0 28.4

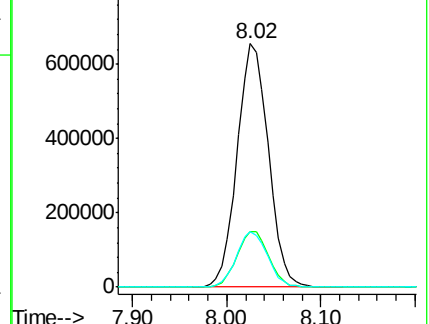
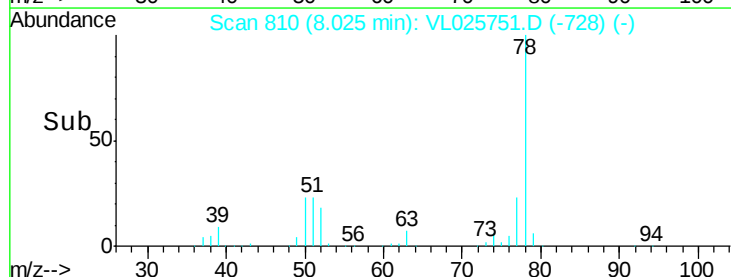
50 22.8 19.2 28.8

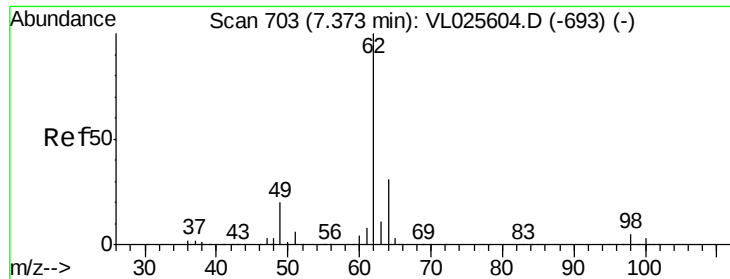


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

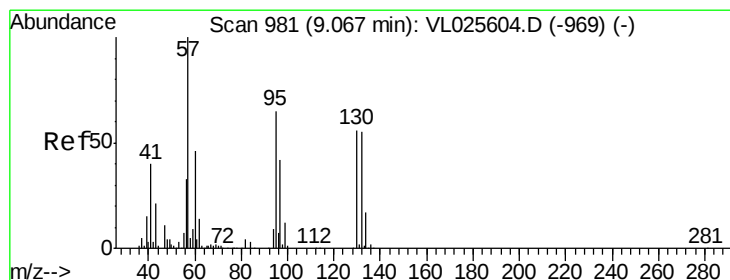
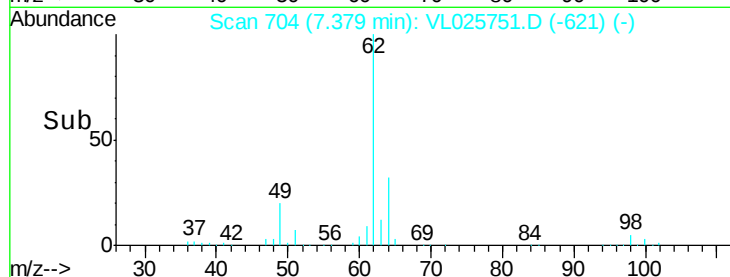
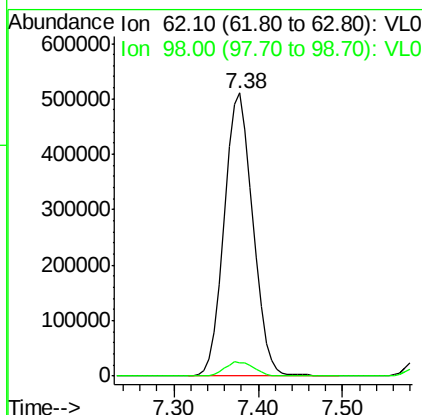
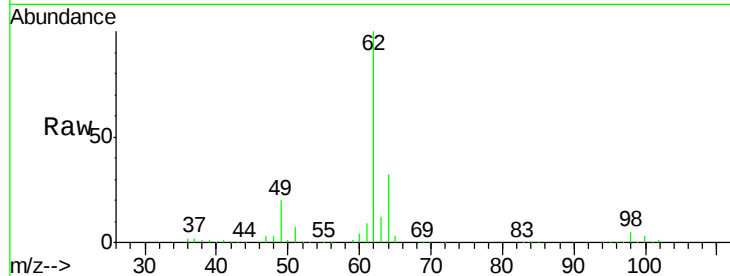




#37
 1,2-Dichloroethane
 Concen: 7.83 ppbv
 RT: 7.38 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

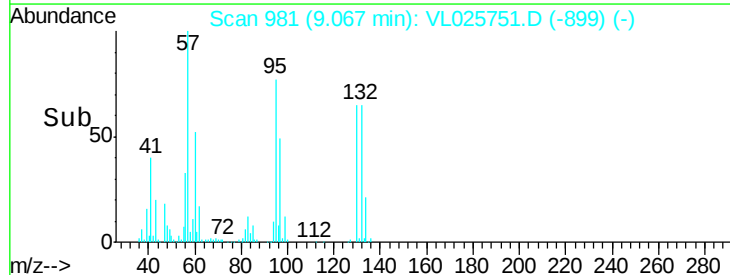
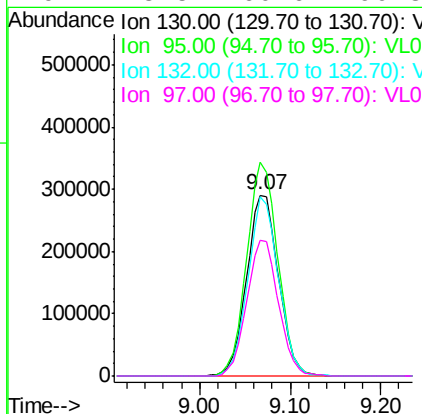
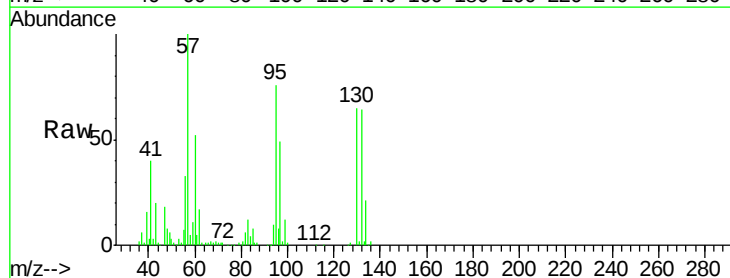
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

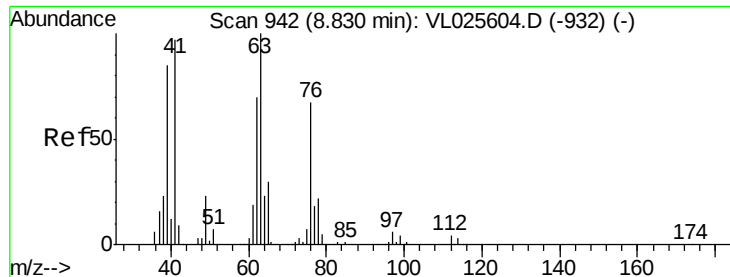
Tot Ion: 62 Resp: 1185965
 Ion Ratio Lower Upper
 62 100
 98 5.2 4.1 6.1



#38
 Trichloroethene
 Concen: 8.57 ppbv
 RT: 9.07 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Tgt Ion: 130 Resp: 706704
 Ion Ratio Lower Upper
 130 100
 95 118.2 94.2 141.4
 132 99.5 78.6 118.0
 97 75.5 60.6 90.8

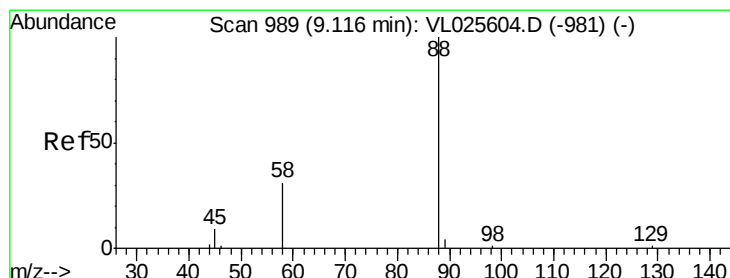
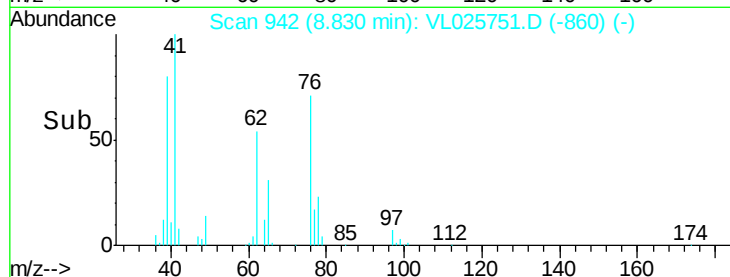
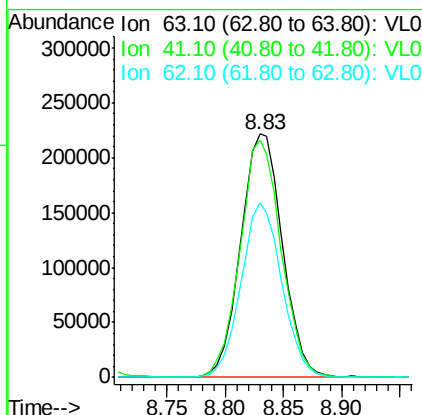
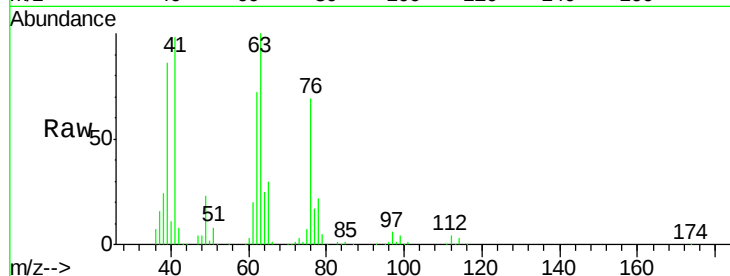




#39
 1,2-Dichloropropane
 Concen: 8.42 ppbv
 RT: 8.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

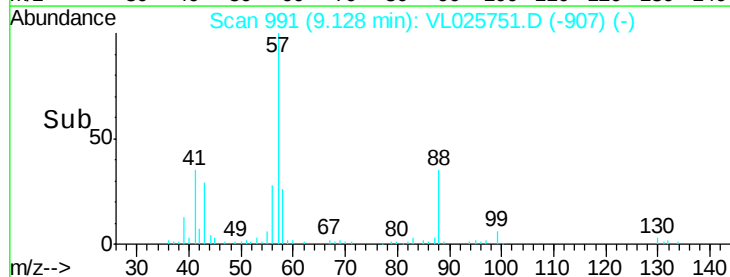
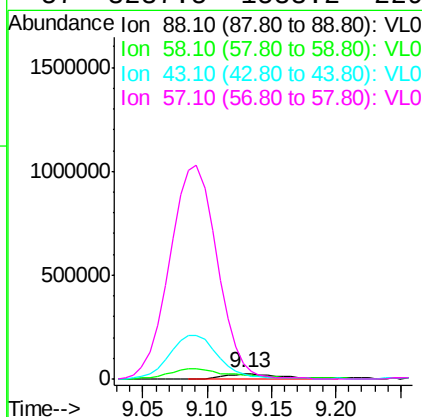
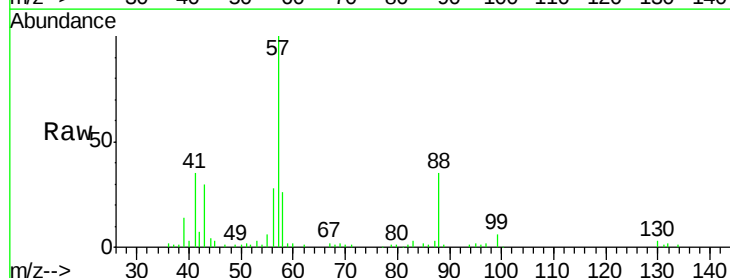
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

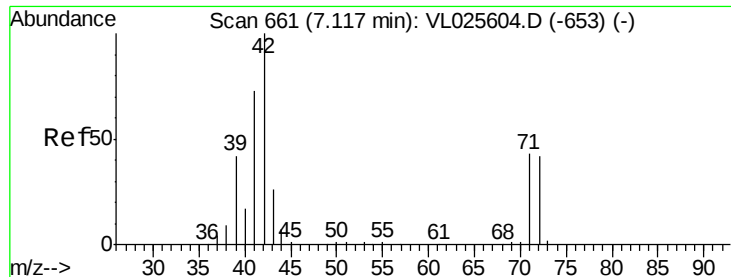
Tot Ion: 63 Resp: 551754
 Ion Ratio Lower Upper
 63 100
 41 97.5 78.0 117.0
 62 71.8 55.7 83.5



#40
 1,4-Dioxane
 Concen: 7.97 ppbv
 RT: 9.13 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Tgt Ion: 88 Resp: 81879
 Ion Ratio Lower Upper
 88 100
 58 220.8 127.1 190.7#
 43 698.1 337.7 506.5#
 57 3237.5 1533.2 2299.8#





#41

Tetrahydrofuran

Concen: 8.59 ppbv

RT: 7.12 min Scan# 662

Delta R.T. 0.01 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

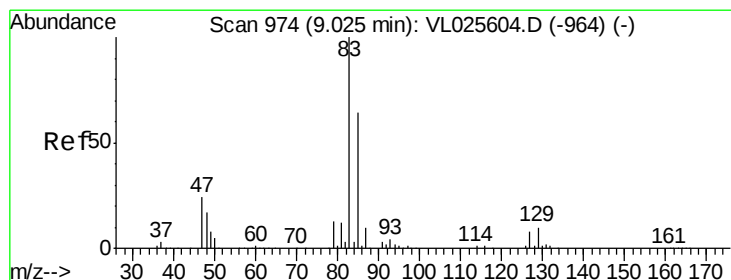
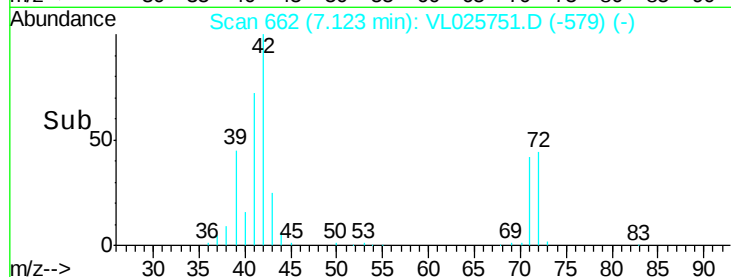
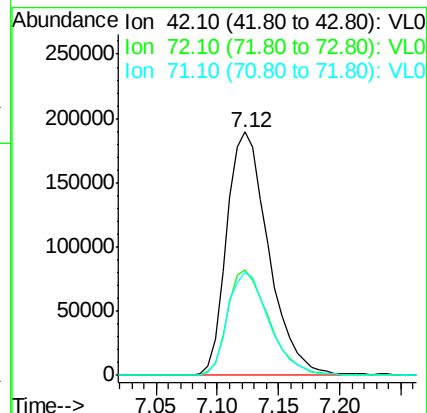
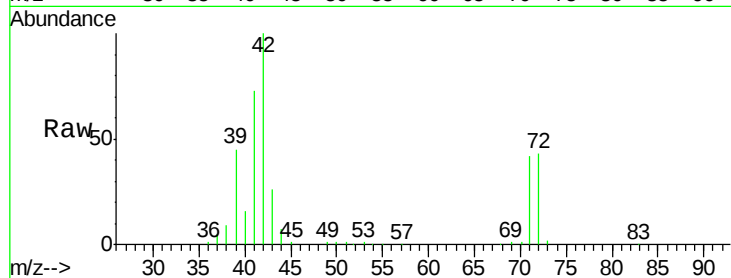
Tot Ion: 42 Resp: 450642

Ion Ratio Lower Upper

42 100

72 43.3 34.0 51.0

71 42.4 33.0 49.6



#42

Bromodichloromethane

Concen: 8.51 ppbv

RT: 9.03 min Scan# 975

Delta R.T. 0.01 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

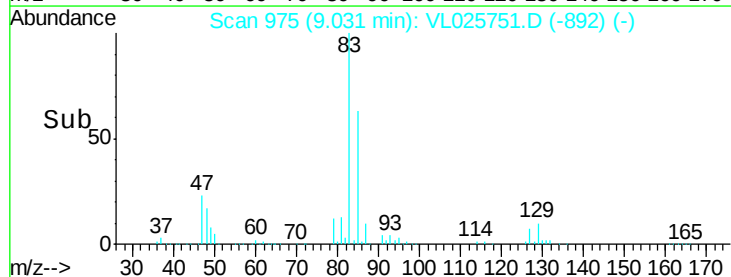
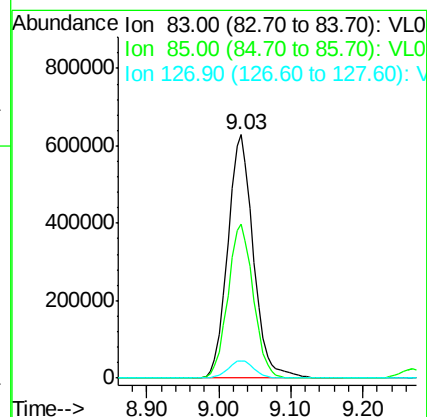
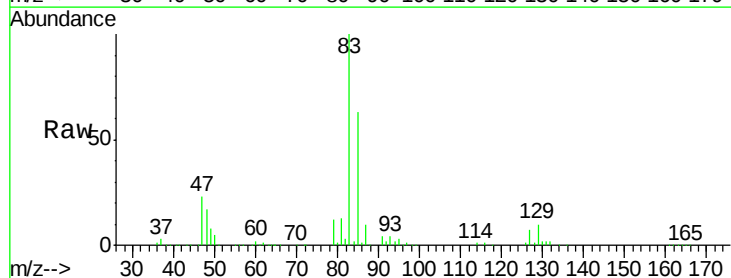
Tgt Ion: 83 Resp: 1555384

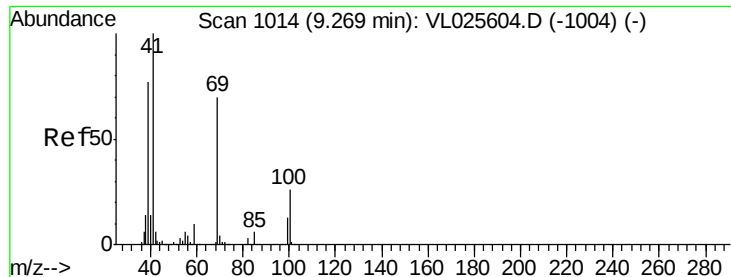
Ion Ratio Lower Upper

83 100

85 63.4 51.3 76.9

127 7.2 6.0 9.0

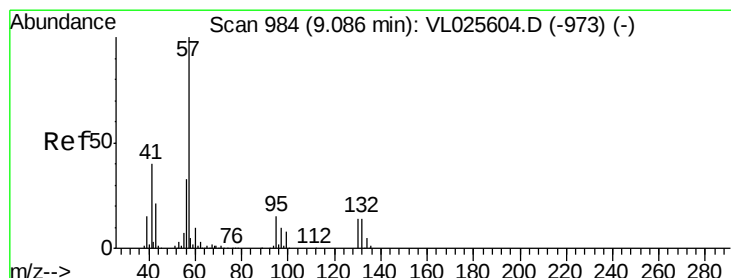
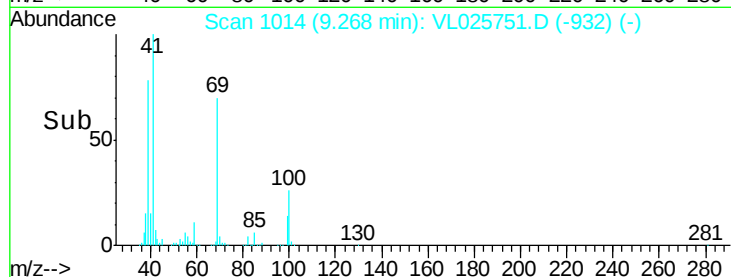
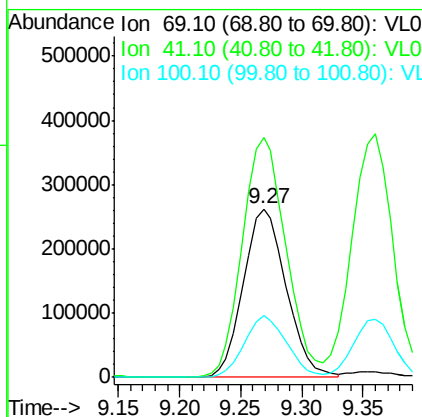
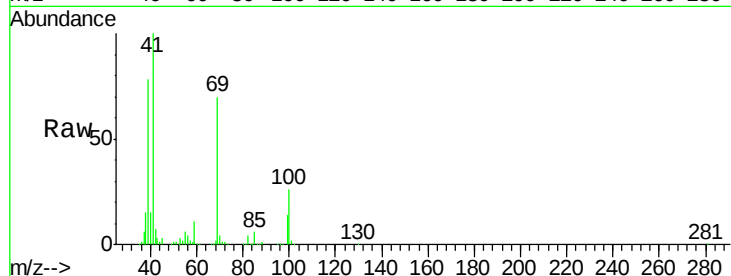




#43
Methvl Methacrilate
Concen: 9.40 ppbv
RT: 9.27 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

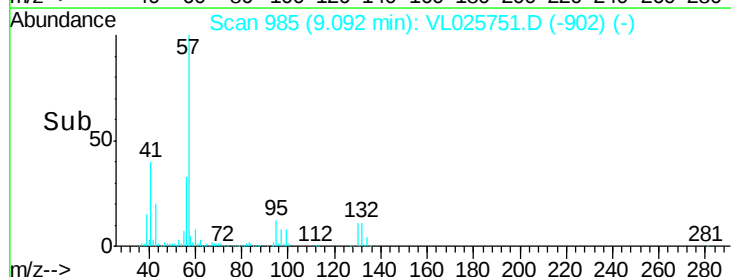
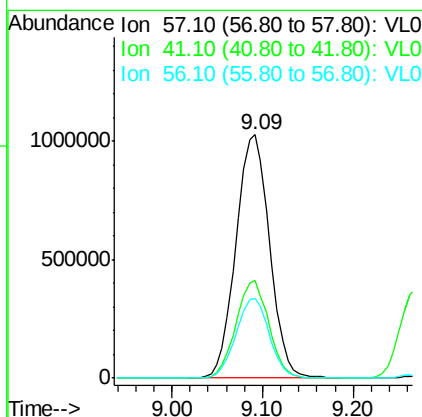
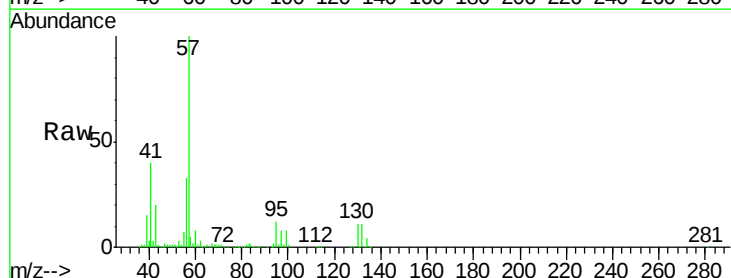
Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

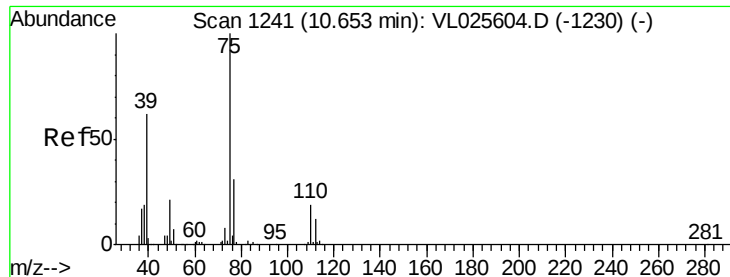
Tot Ion: 69 Resp: 639829
Ion Ratio Lower Upper
69 100
41 146.4 117.3 175.9
100 36.4 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 8.69 ppbv
RT: 9.09 min Scan# 985
Delta R.T. 0.01 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

Tgt Ion: 57 Resp: 2644918
Ion Ratio Lower Upper
57 100
41 39.0 31.2 46.8
56 32.4 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 8.99 ppbv

RT: 10.66 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

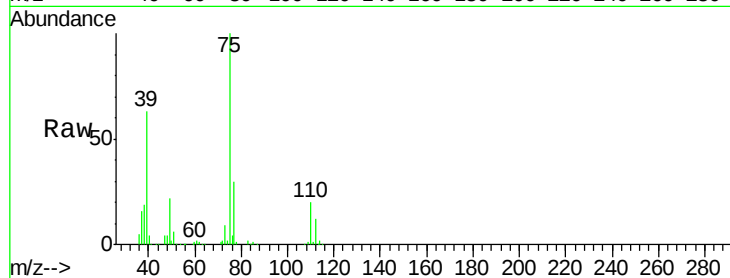
VL0727ABS01

Tot Ion: 75 Resp: 1029793

Ion Ratio Lower Upper

75 100

77 30.4 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

10.66

400000

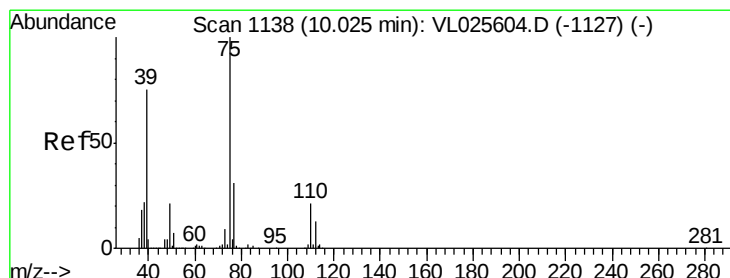
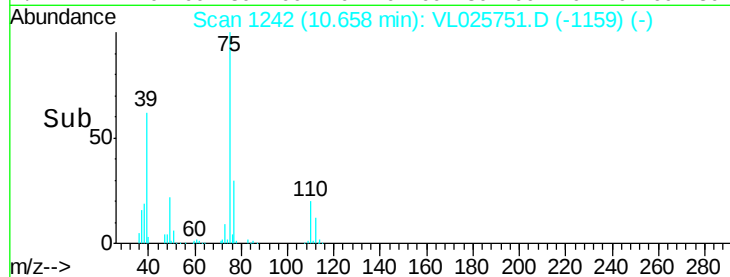
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.09 ppbv

RT: 10.02 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

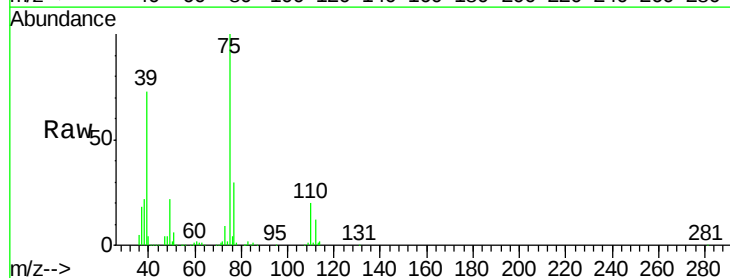
Tgt Ion: 75 Resp: 1150162

Ion Ratio Lower Upper

75 100

39 72.9 60.4 90.6

77 30.0 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

600000

500000

400000

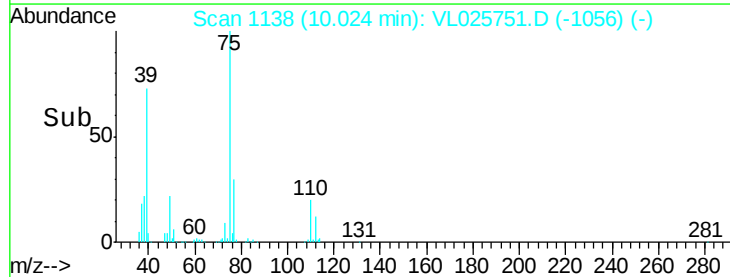
300000

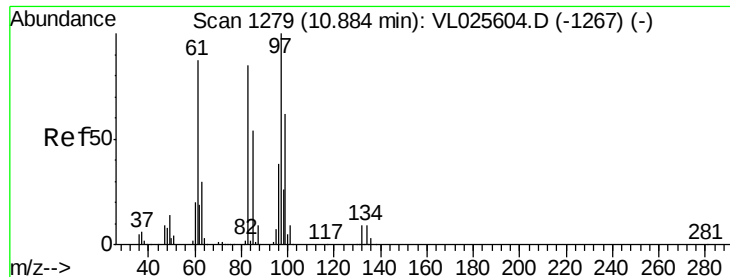
200000

100000

0

Time-->

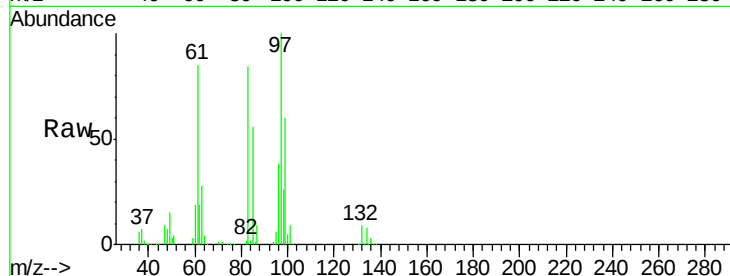




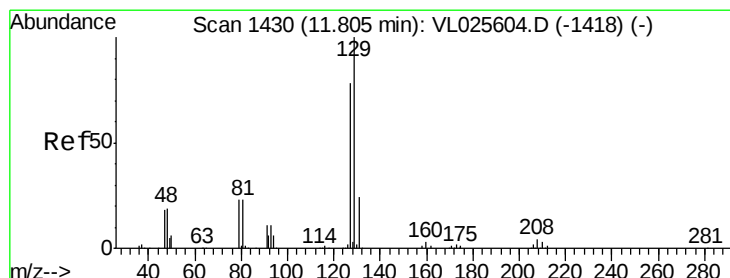
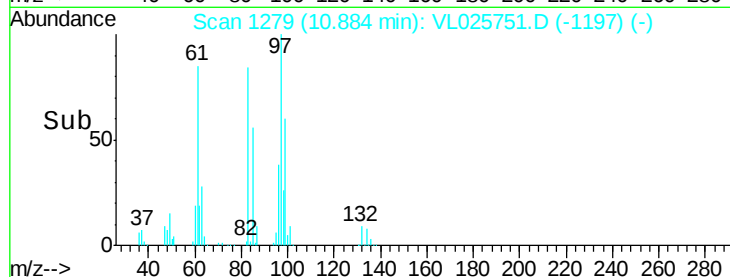
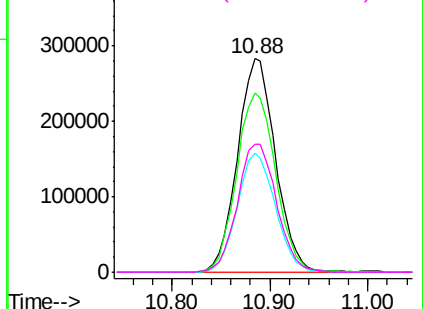
#47
 1,1,2-Trichloroethane
 Concen: 8.38 ppbv
 RT: 10.88 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Tot Ion: 97 Resp: 764188
 Ion Ratio Lower Upper
 97 100
 83 83.7 67.8 101.8
 85 55.9 43.5 65.3
 99 59.7 49.8 74.8

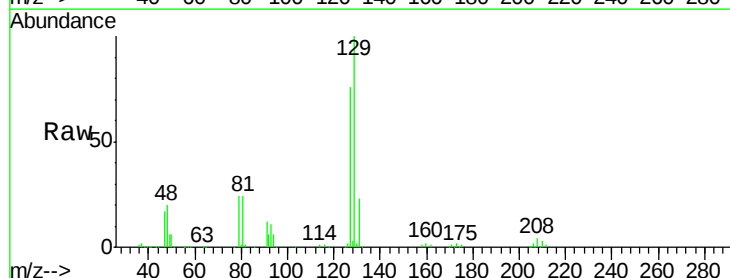


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

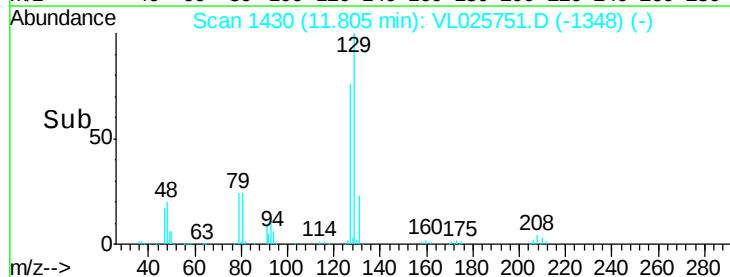
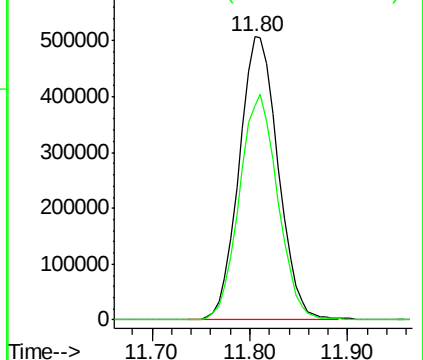


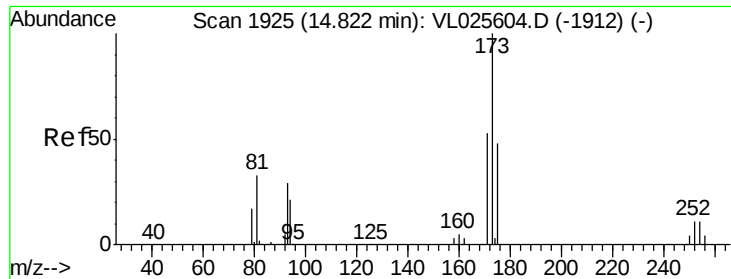
#48
 Dibromochloromethane
 Concen: 8.61 ppbv
 RT: 11.80 min Scan# 1430
 Delta R.T. -0.00 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Tgt Ion: 129 Resp: 1404908
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.0 116.9



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 8.49 ppbv

RT: 14.82 min Scan# 1925

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

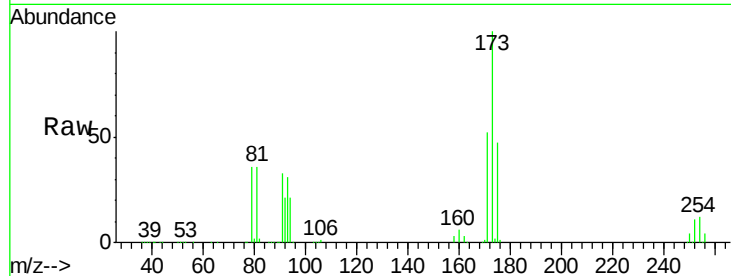
Tot Ion:173 Resp: 1141768

Ion Ratio Lower Upper

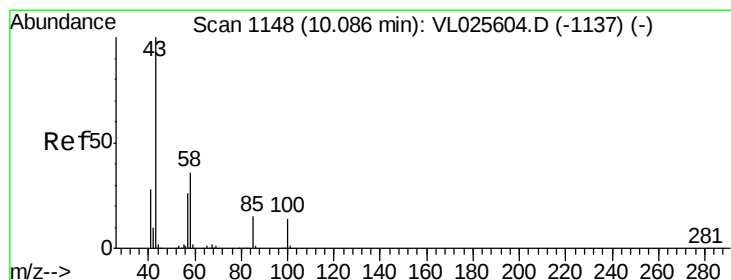
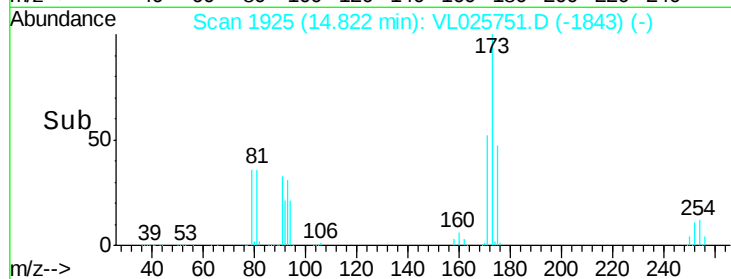
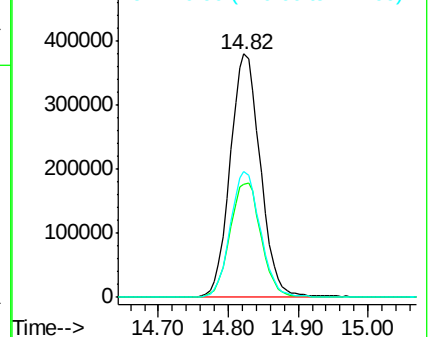
173 100

175 48.7 39.5 59.3

171 51.8 42.2 63.2



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: 9.14 ppbv

RT: 10.09 min Scan# 1149

Delta R.T. 0.01 min

Lab File: VL025751.D

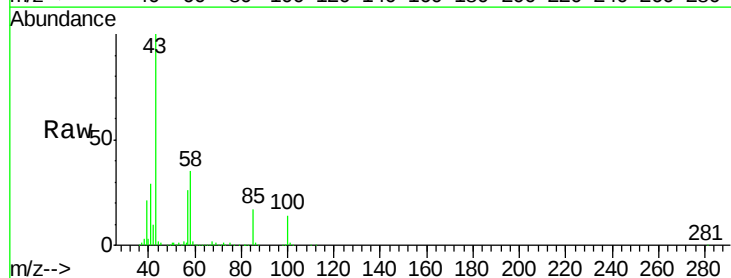
Acq: 27 Jul 2015 13:26

Tgt Ion: 43 Resp: 1384137

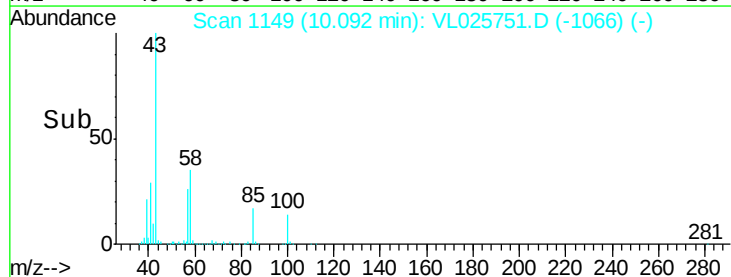
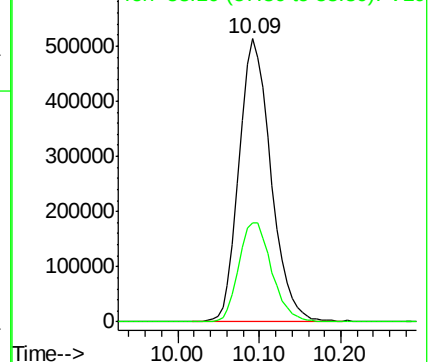
Ion Ratio Lower Upper

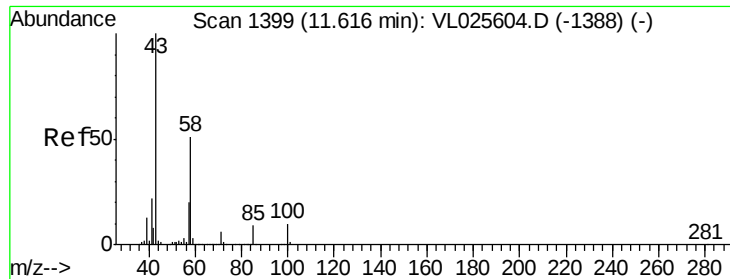
43 100

58 36.7 28.5 42.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

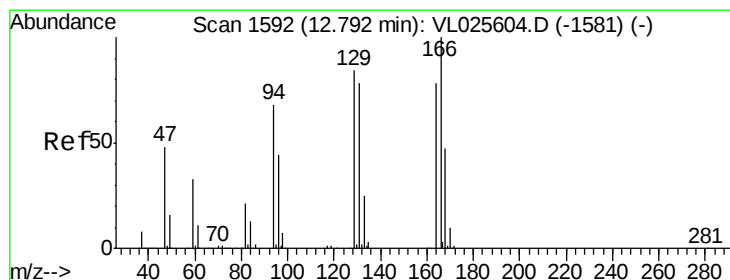
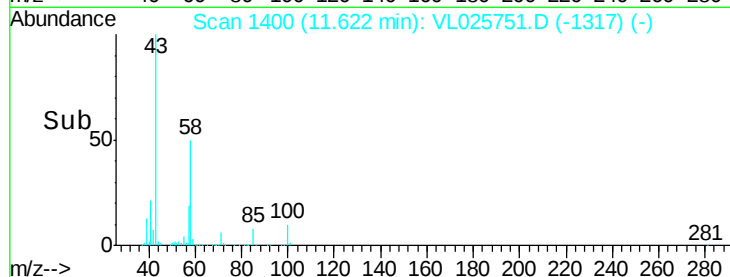
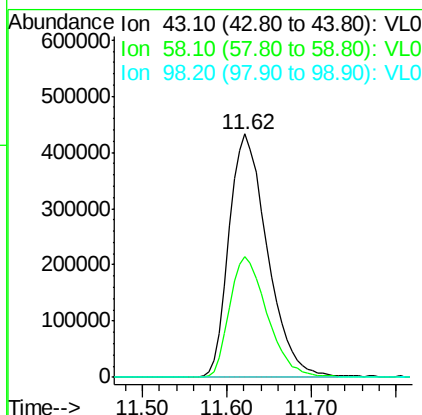
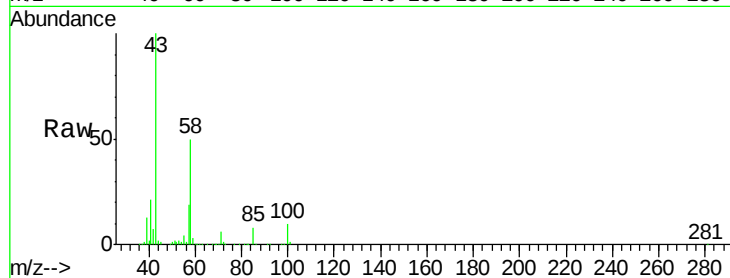




#51
 2-Hexanone
 Concen: 9.88 ppbv
 RT: 11.62 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

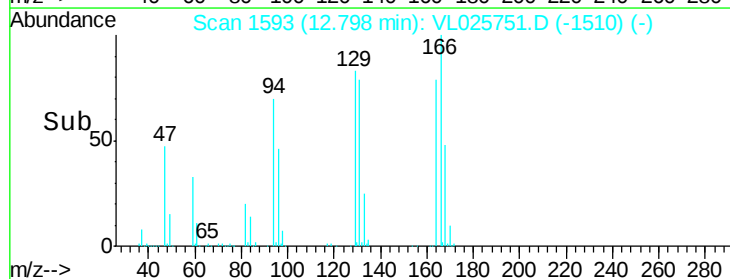
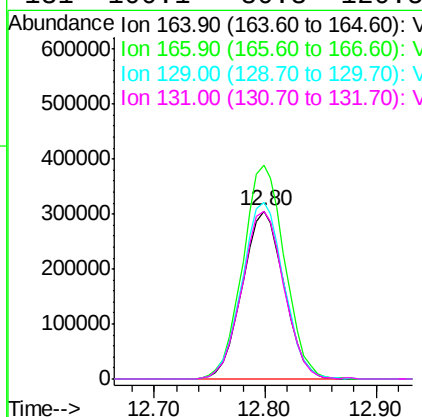
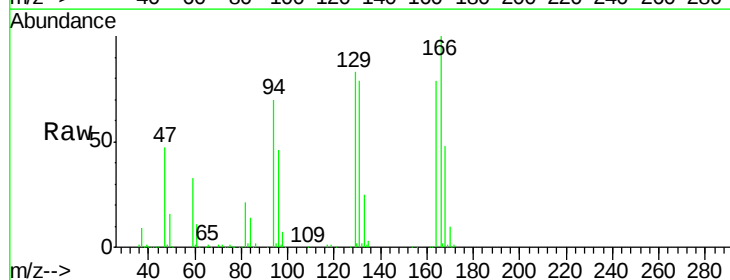
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

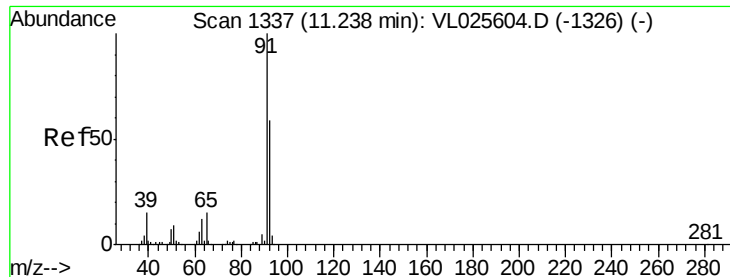
Tot Ion: 43 Resp: 1342093
 Ion Ratio Lower Upper
 43 100
 58 48.9 39.0 58.6
 98 0.3 0.2 0.4



#52
 Tetrachloroethene
 Concen: 8.92 ppbv
 RT: 12.80 min Scan# 1593
 Delta R.T. 0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Tgt Ion: 164 Resp: 793298
 Ion Ratio Lower Upper
 164 100
 166 127.4 102.3 153.5
 129 105.3 86.2 129.4
 131 100.1 80.3 120.5





#53

Toluene

Concen: 9.22 ppbv

RT: 11.24 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

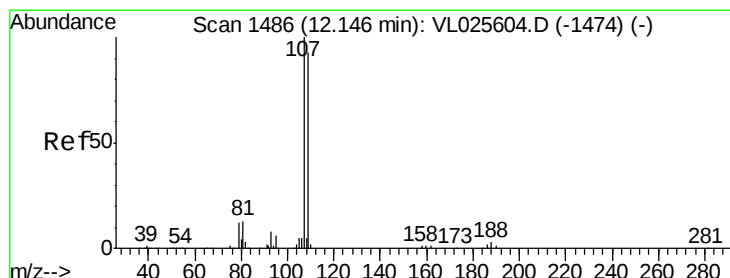
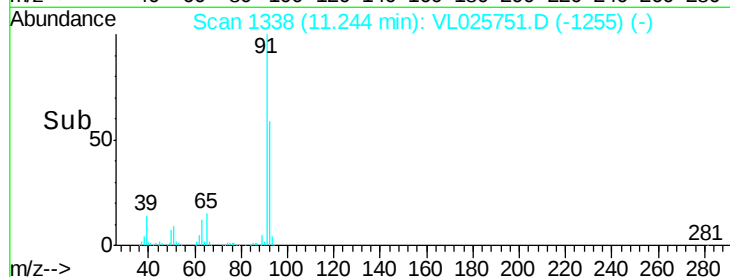
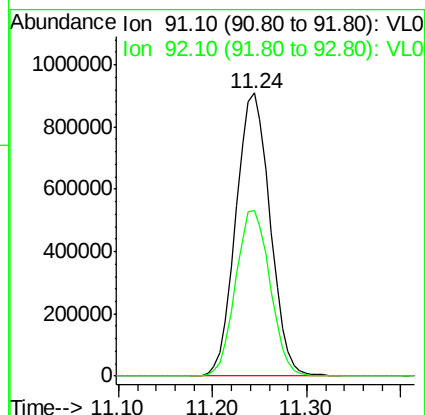
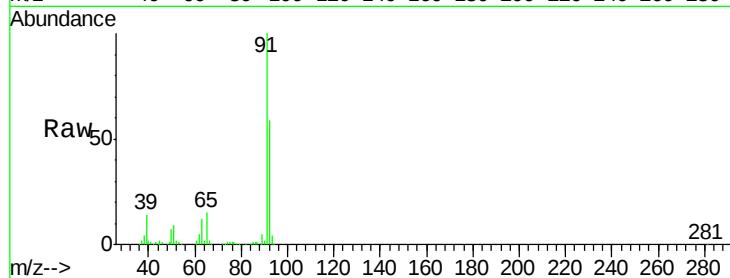
VL0727ABS01

Tot Ion: 91 Resp: 2297837

Ion Ratio Lower Upper

91 100

92 59.2 48.2 72.2



#54

1,2-Dibromoethane

Concen: 8.51 ppbv

RT: 12.15 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VL025751.D

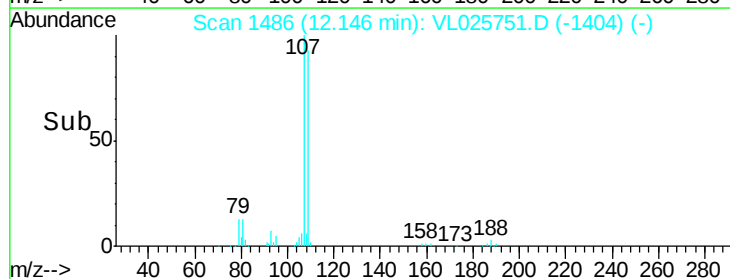
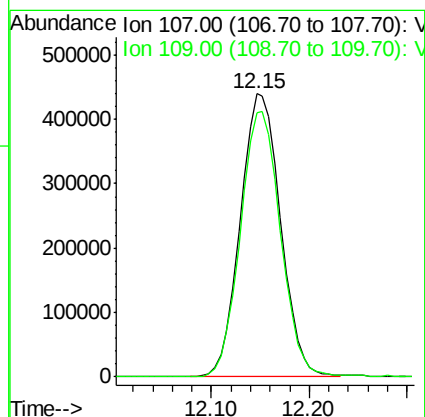
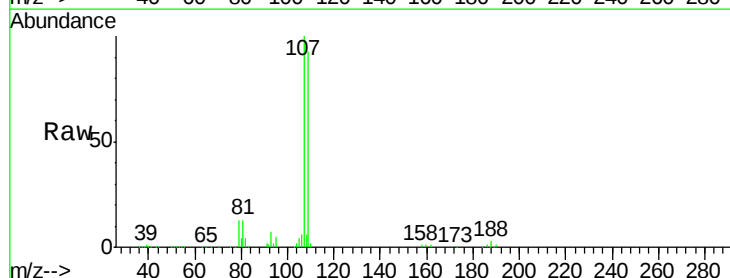
Acq: 27 Jul 2015 13:26

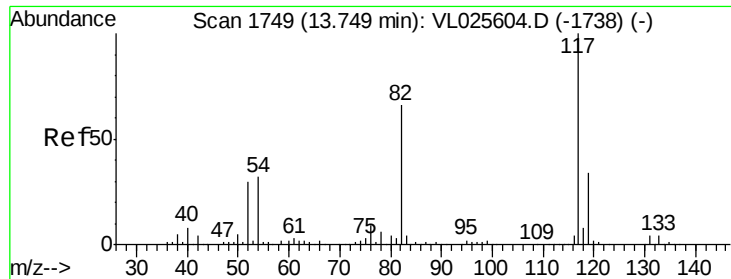
Tgt Ion: 107 Resp: 1255334

Ion Ratio Lower Upper

107 100

109 93.4 74.1 111.1

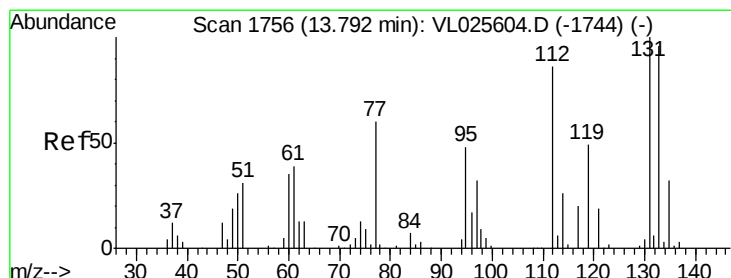
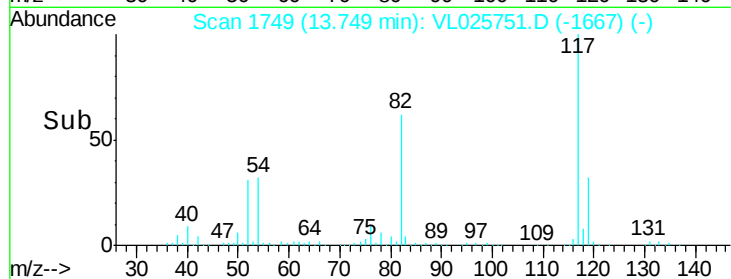
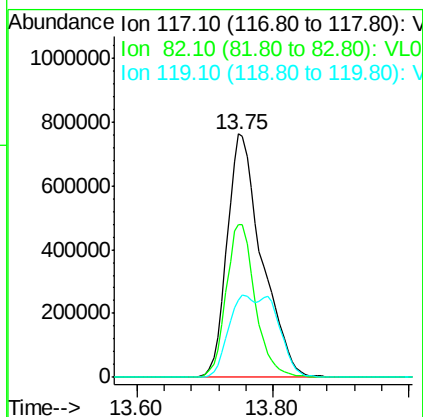
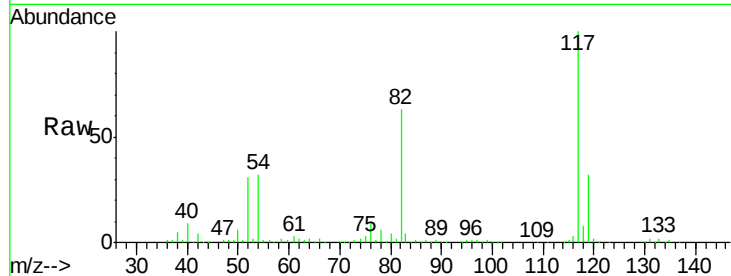




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.75 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

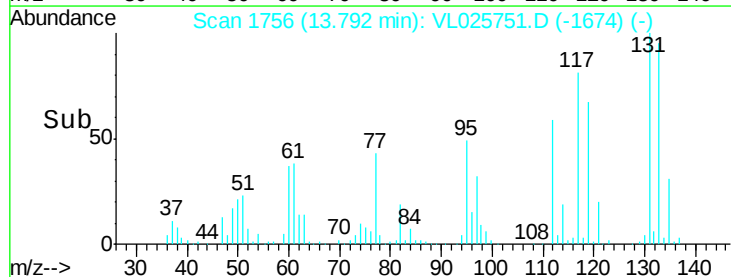
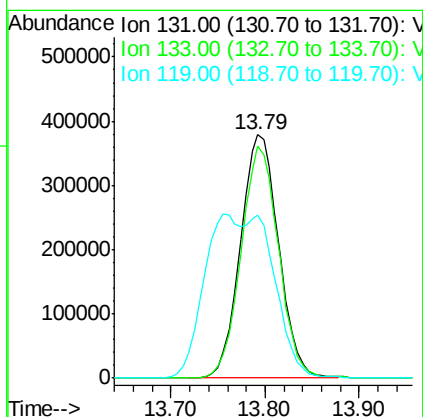
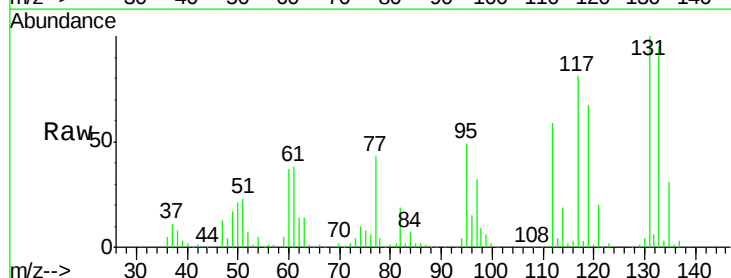
Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

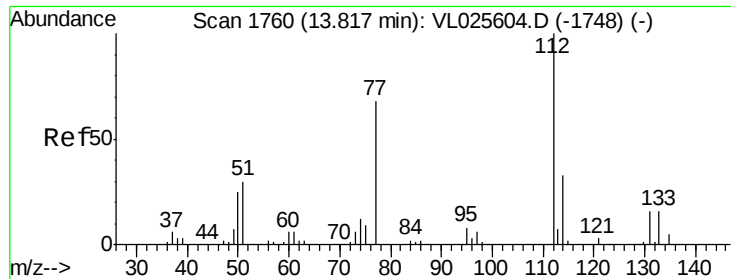
Tot Ion:117 Resp: 2706534
Ion Ratio Lower Upper
117 100
82 52.8 50.5 75.7
119 47.8 45.1 67.7



#56
1,1,1,2-Tetrachloroethane
Concen: 7.34 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

Tgt Ion:131 Resp: 1074604
Ion Ratio Lower Upper
131 100
133 94.1 76.9 115.3
119 120.3 97.8 146.8

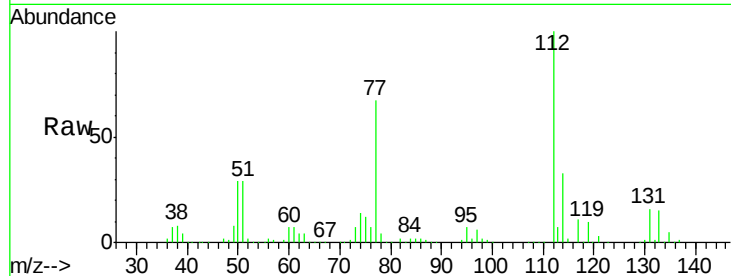




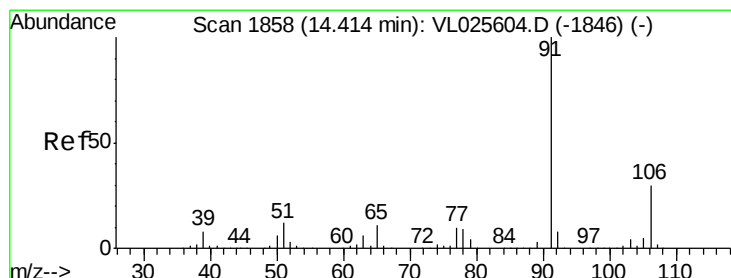
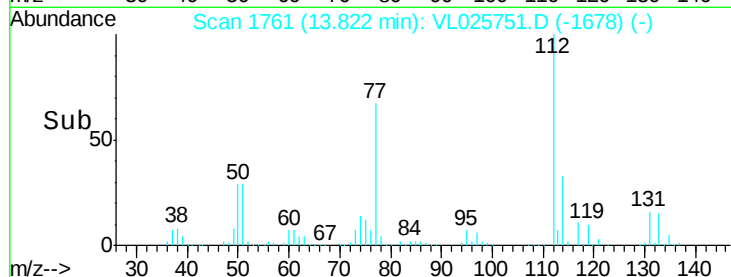
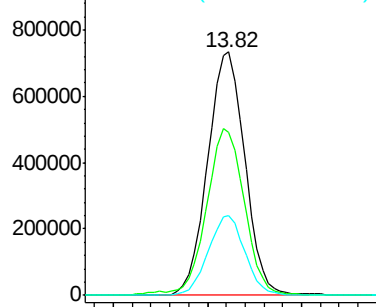
#57
Chlorobenzene
Concen: 7.01 ppbv
RT: 13.82 min Scan# 1761
Delta R.T. 0.01 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

Tot Ion:112 Resp: 2019198
Ion Ratio Lower Upper
112 100
77 66.6 55.2 82.8
114 32.5 29.4 36.0

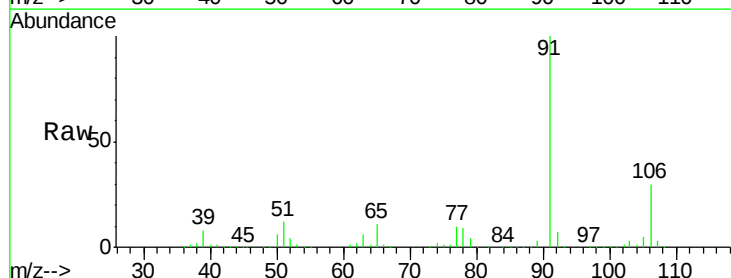


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

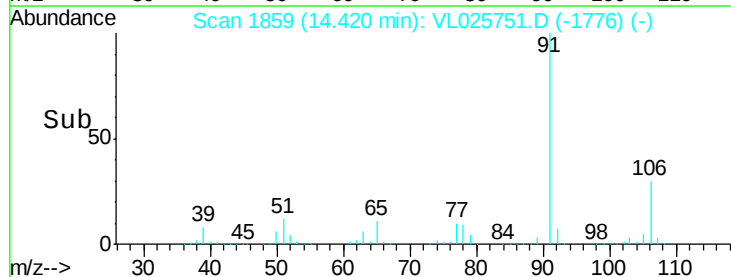
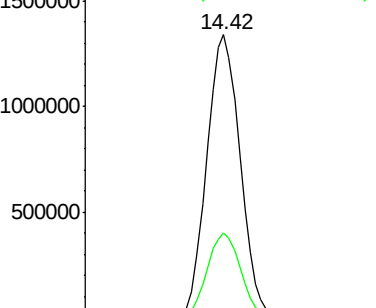


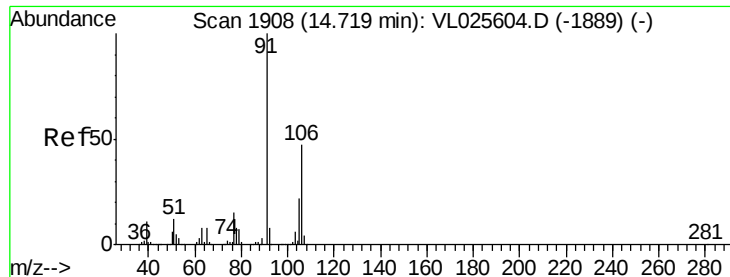
#58
Ethyl Benzene
Concen: 8.00 ppbv
RT: 14.42 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

Tgt Ion: 91 Resp: 3577066
Ion Ratio Lower Upper
91 100
106 29.8 24.2 36.2



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

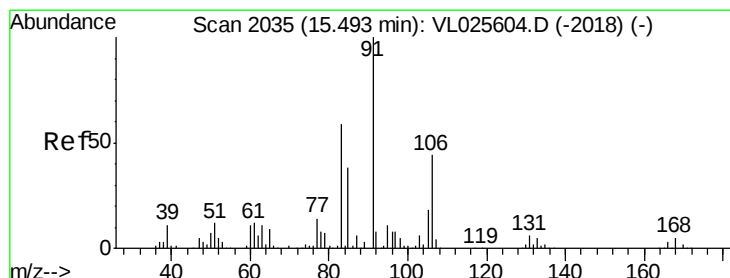
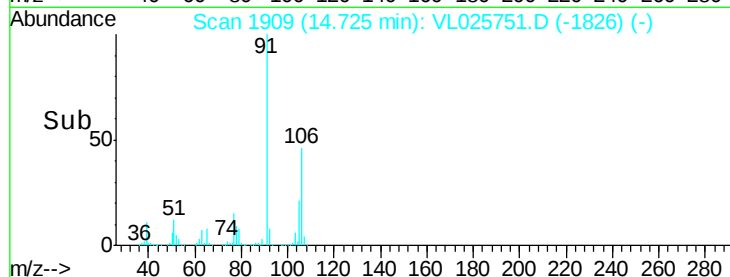
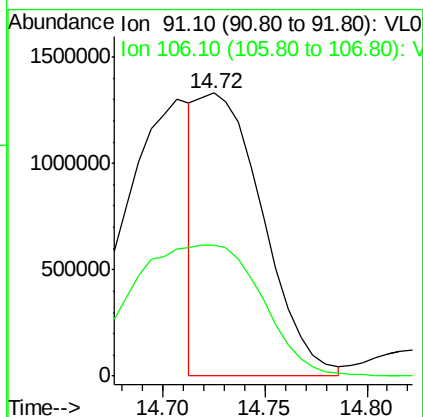
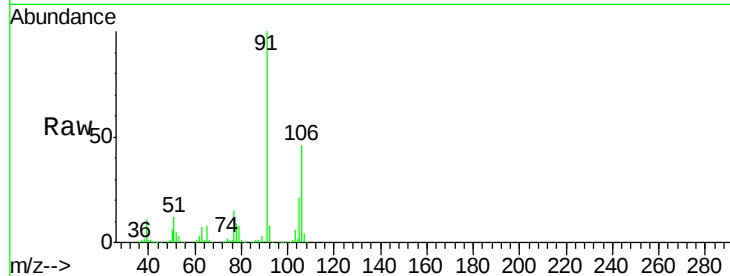




#59
m/p-Xylene
Concen: 7.48 ppbv
RT: 14.72 min Scan# 1909
Delta R.T. 0.01 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

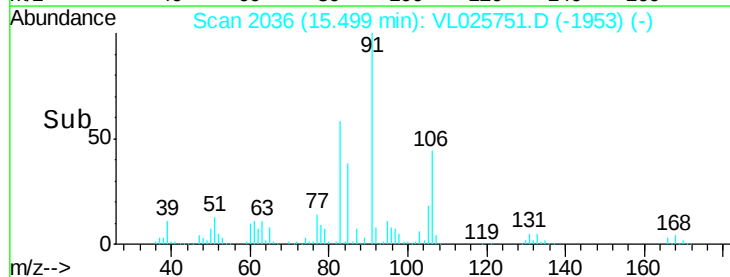
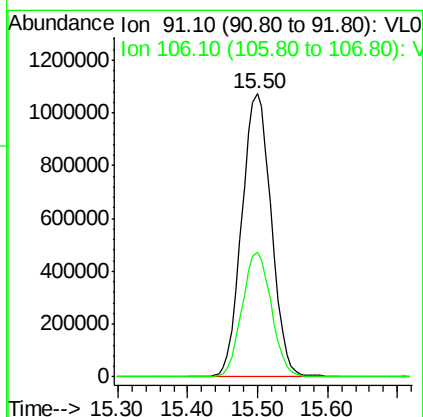
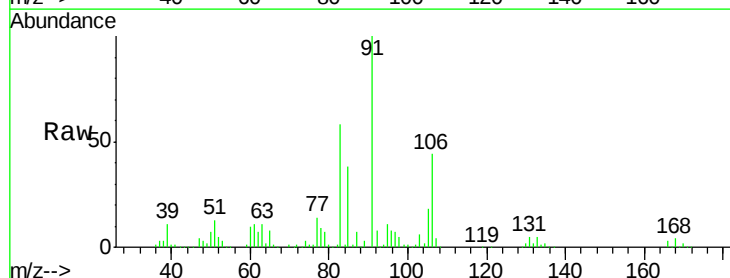
Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

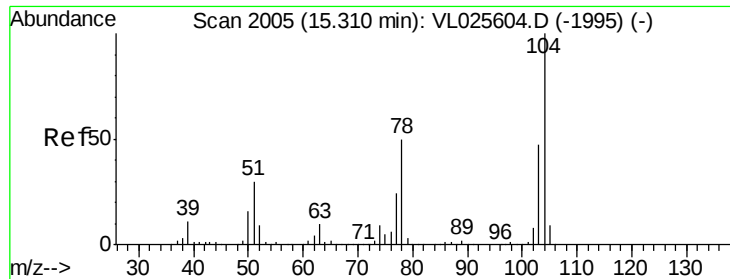
Tot Ion: 91 Resp: 2938502
Ion Ratio Lower Upper
91 100
106 93.8 37.9 56.9#



#60
o-Xylene
Concen: 7.41 ppbv
RT: 15.50 min Scan# 2036
Delta R.T. 0.01 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

Tgt Ion: 91 Resp: 3136299
Ion Ratio Lower Upper
91 100
106 44.0 22.1 66.1

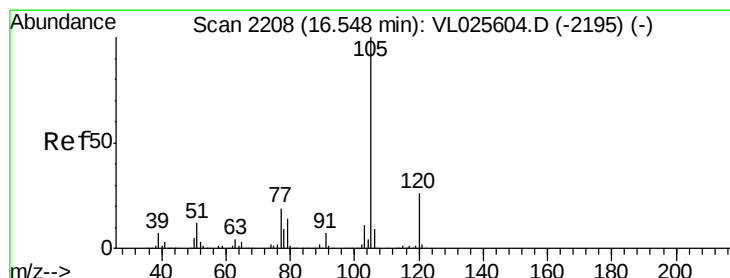
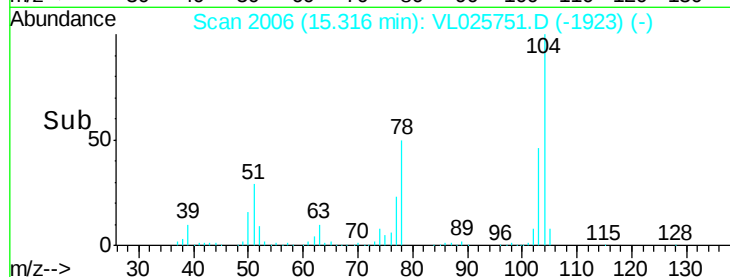
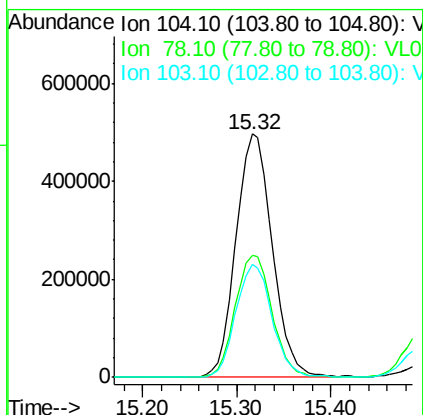
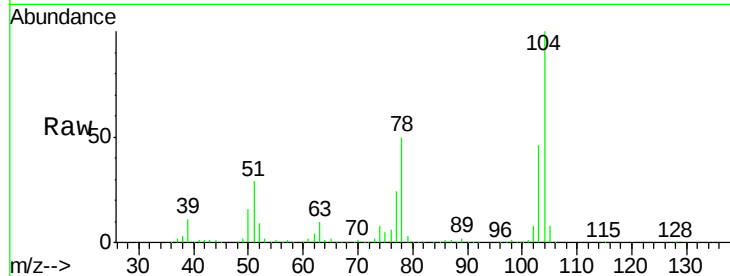




#61
Stvrene
Concen: 9.07 ppbv
RT: 15.32 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

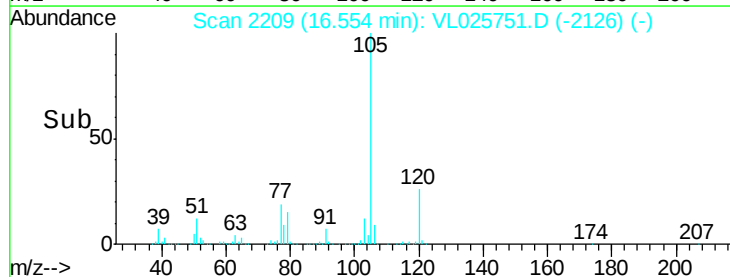
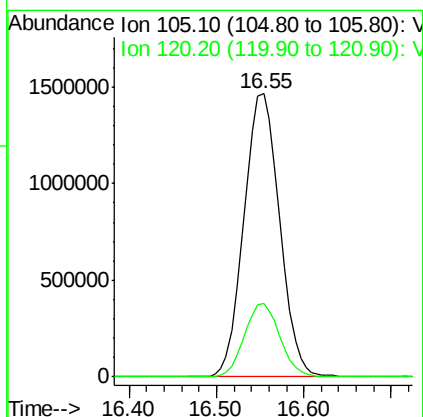
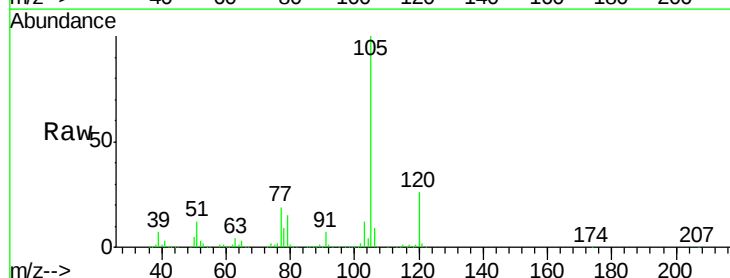
Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

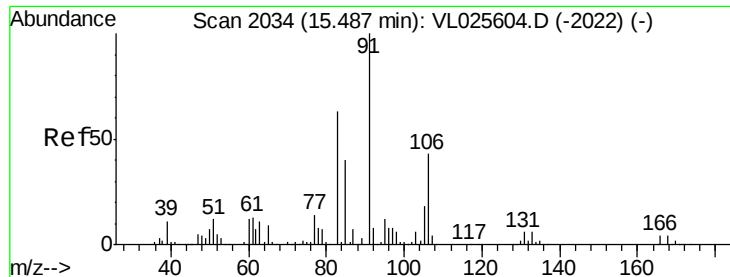
Tot Ion:104 Resp: 1344720
Ion Ratio Lower Upper
104 100
78 51.0 40.2 60.4
103 46.2 37.4 56.2



#62
Isopropylbenzene
Concen: 7.53 ppbv
RT: 16.55 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

Tgt Ion:105 Resp: 4162453
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0

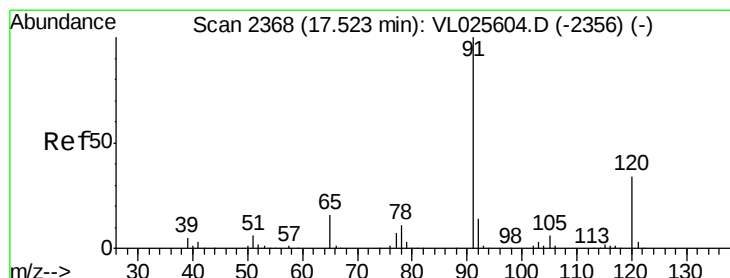
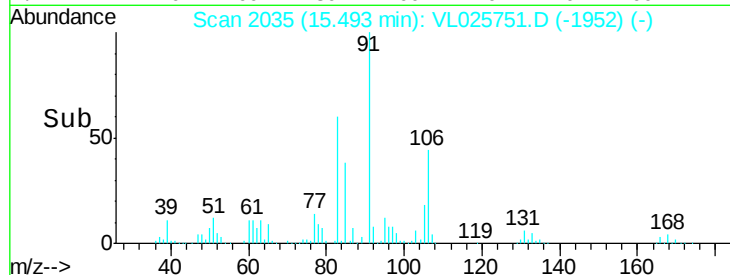
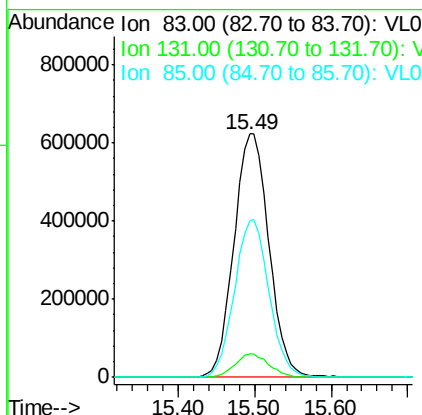
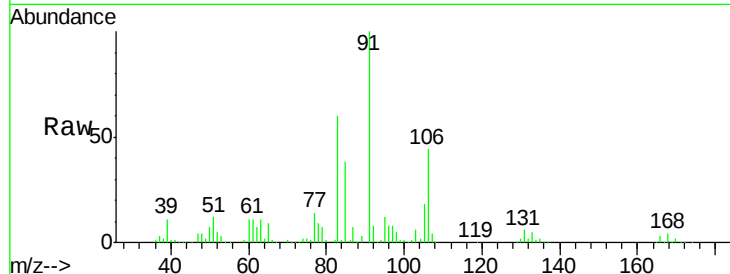




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.91 ppbv
 RT: 15.49 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

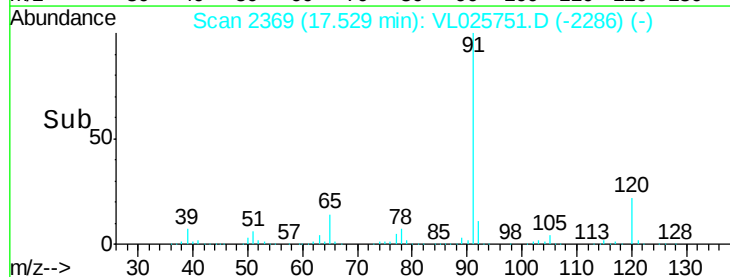
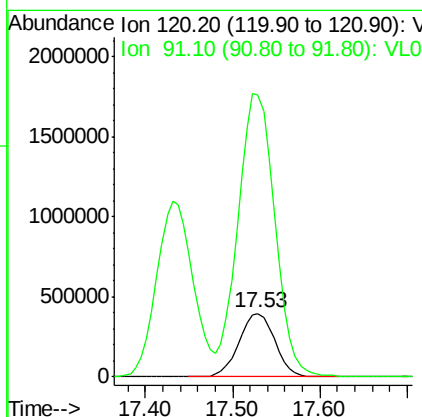
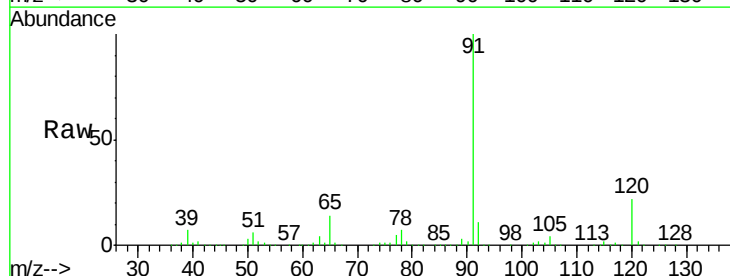
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

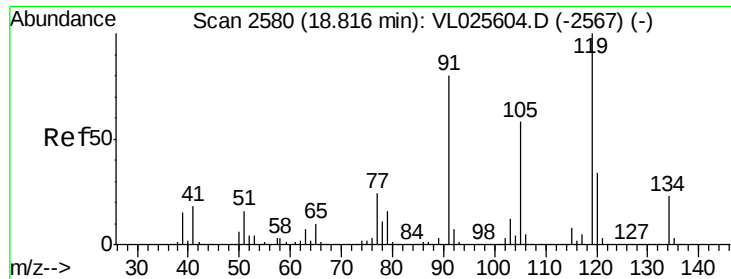
Tot Ion: 83 Resp: 1978439
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.4
 85 64.2 32.4 97.2



#64
 n-propylbenzene
 Concen: 7.56 ppbv
 RT: 17.53 min Scan# 2369
 Delta R.T. 0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Tgt Ion:120 Resp: 1129900
 Ion Ratio Lower Upper
 120 100
 91 459.8 370.5 555.7

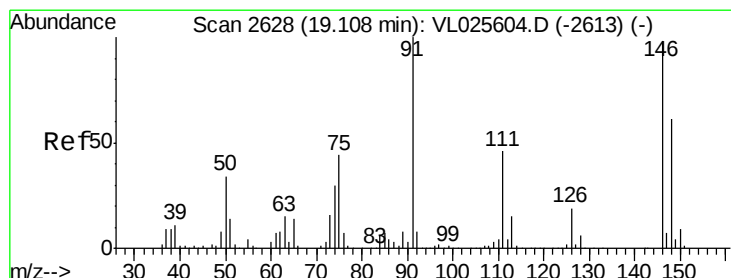
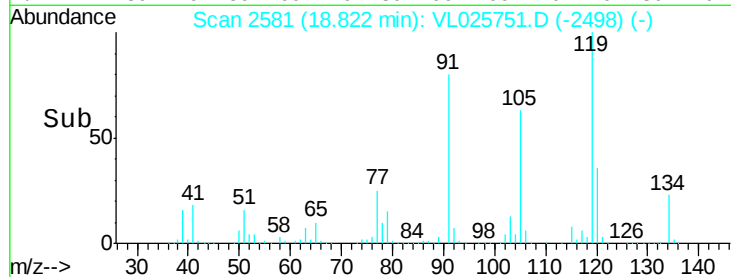
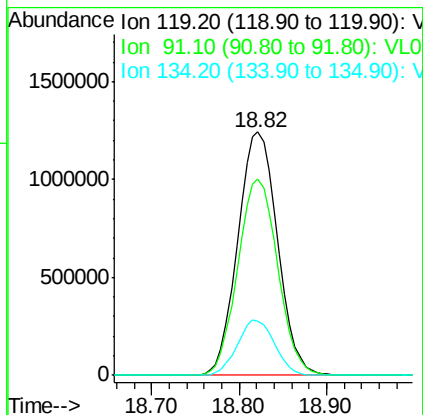
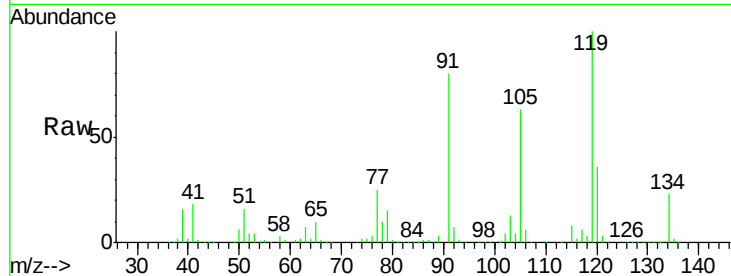




#65
tert-Butylbenzene
Concen: 7.24 ppbv
RT: 18.82 min Scan# 2581
Delta R.T. 0.01 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

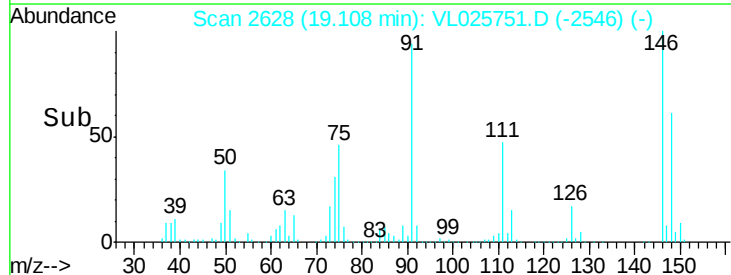
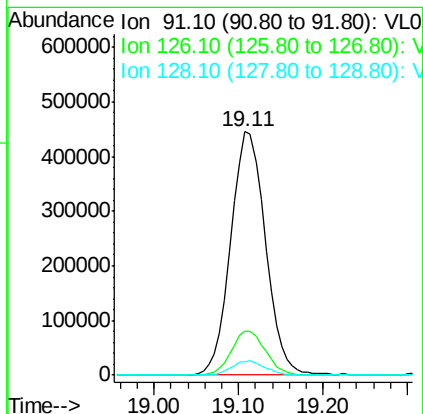
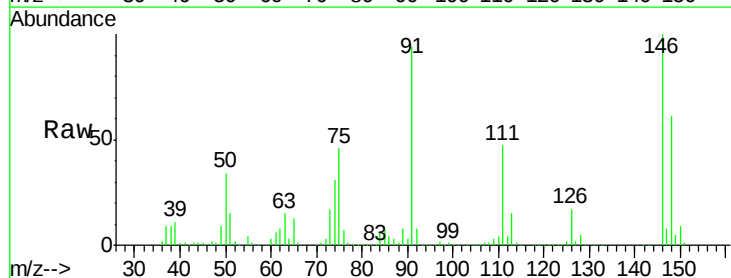
Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

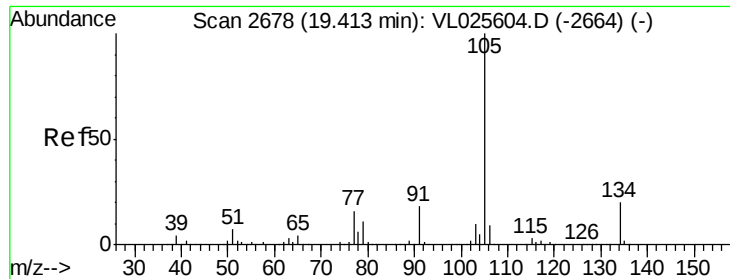
Tot Ion:119 Resp: 3929709
Ion Ratio Lower Upper
119 100
91 81.1 64.5 96.7
134 21.5 17.4 26.0



#66
Benzyl Chloride
Concen: 6.23 ppbv
RT: 19.11 min Scan# 2628
Delta R.T. -0.00 min
Lab File: VL025751.D
Acq: 27 Jul 2015 13:26

Tgt Ion: 91 Resp: 1240500
Ion Ratio Lower Upper
91 100
126 18.0 14.5 21.7
128 5.6 4.6 7.0

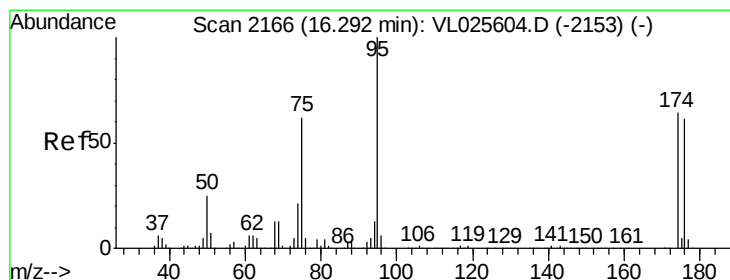
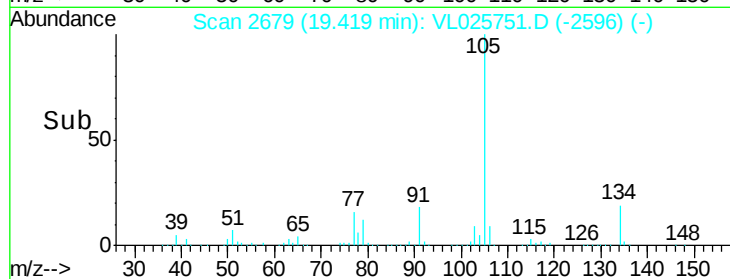
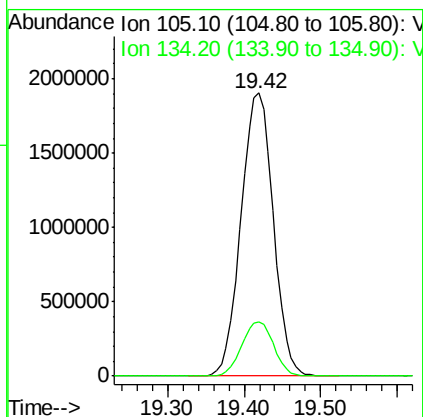
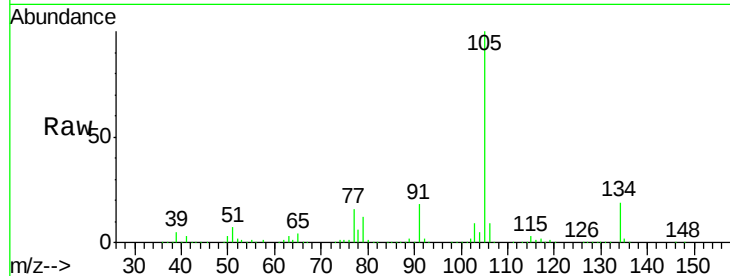




#67
 sec-Butylbenzene
 Concen: 7.33 ppbv
 RT: 19.42 min Scan# 2679
 Delta R.T. 0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

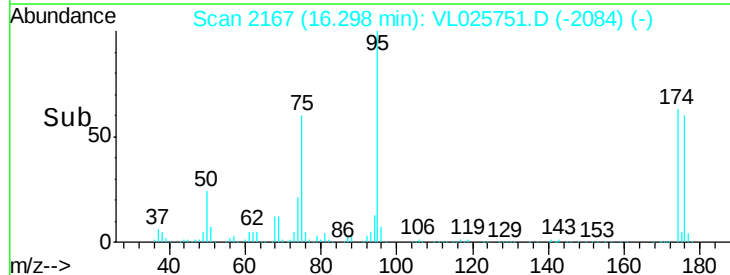
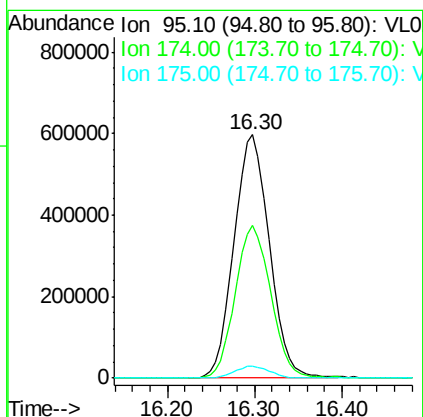
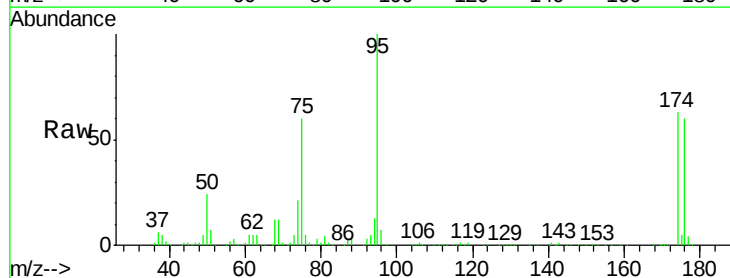
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

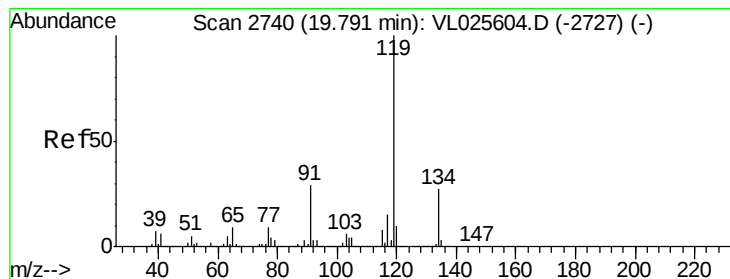
Tot Ion:105 Resp: 5574620
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.38 ppbv
 RT: 16.30 min Scan# 2167
 Delta R.T. 0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Tgt Ion: 95 Resp: 1685439
 Ion Ratio Lower Upper
 95 100
 174 63.3 52.0 78.0
 175 4.9 3.9 5.9





#69

p-Isopropyltoluene

Concen: 7.66 ppbv

RT: 19.80 min Scan# 2741

Delta R.T. 0.01 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

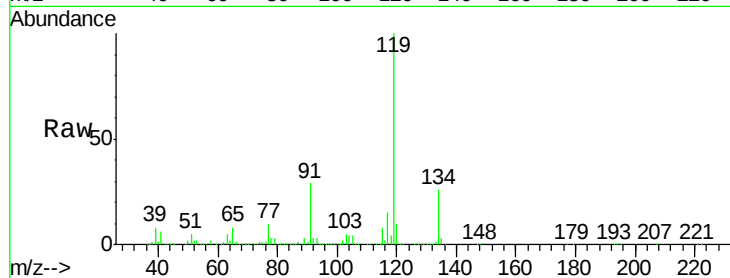
Tot Ion:119 Resp: 4798689

Ion Ratio Lower Upper

119 100

134 25.7 20.7 31.1

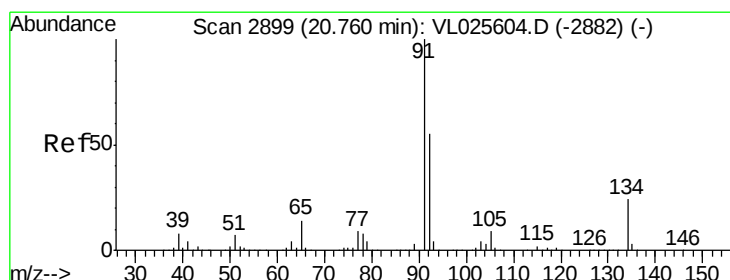
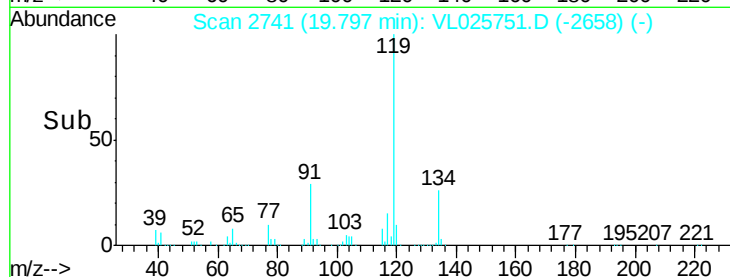
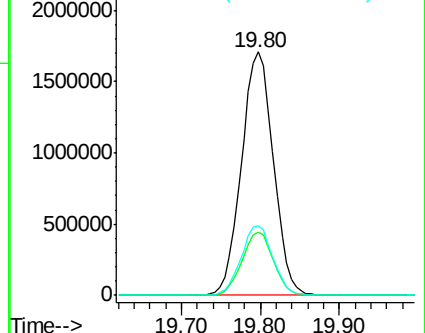
91 28.5 22.6 34.0



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: 7.55 ppbv

RT: 20.76 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

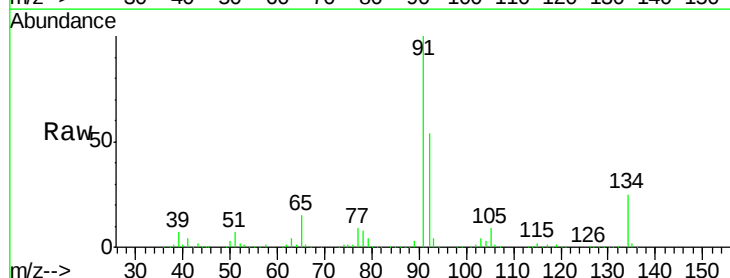
Tgt Ion: 91 Resp: 4801308

Ion Ratio Lower Upper

91 100

92 54.2 44.3 66.5

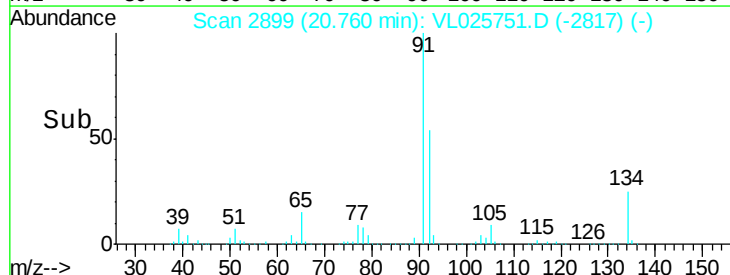
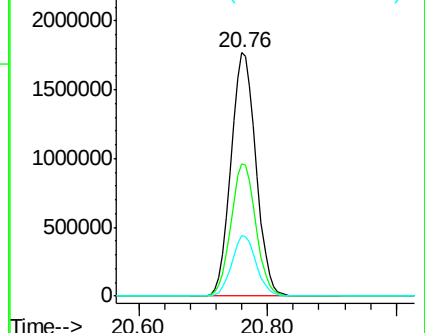
134 24.3 19.4 29.2

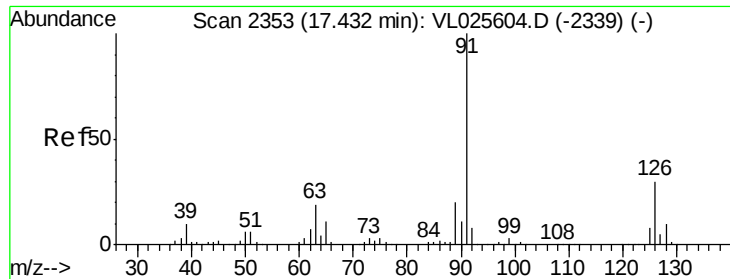


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

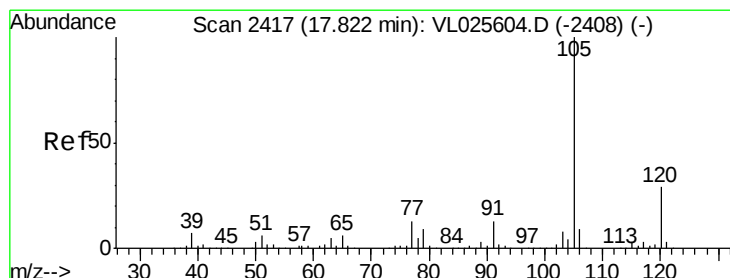
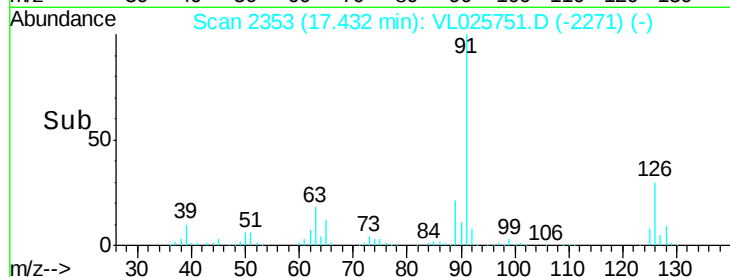
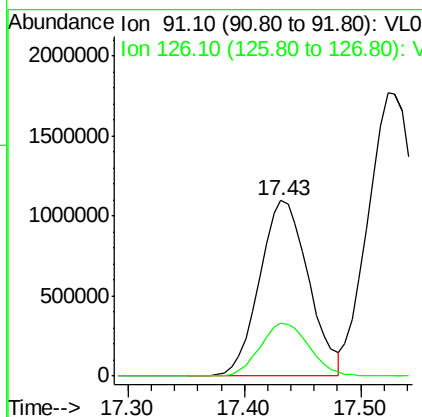
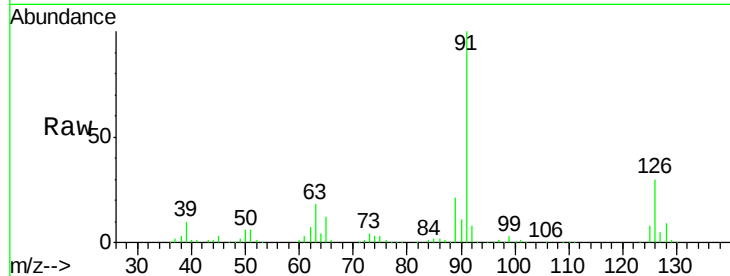




#71
 2-Chlorotoluene
 Concen: 7.89 ppbv
 RT: 17.43 min Scan# 2353
 Delta R.T. -0.00 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

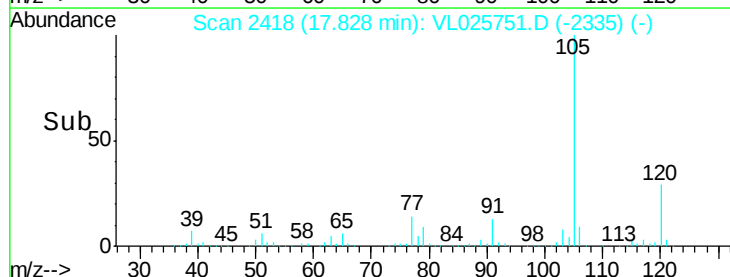
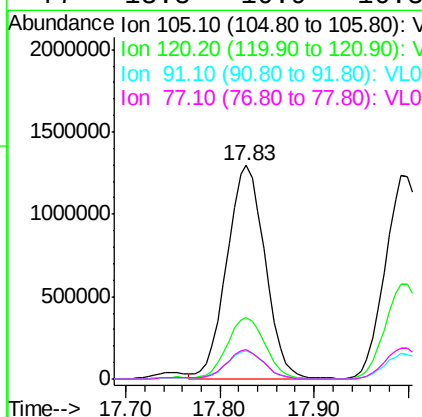
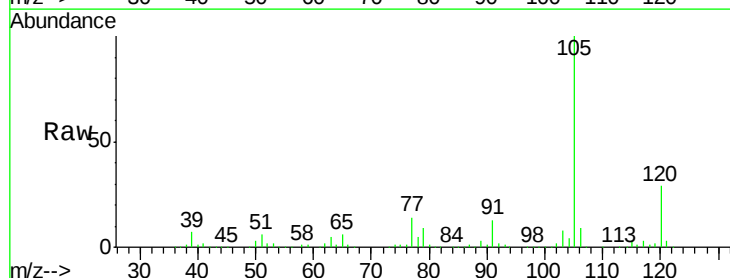
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

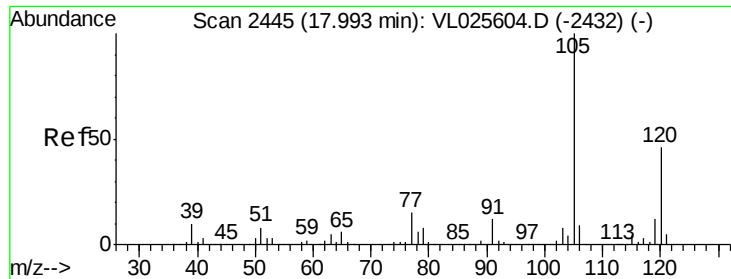
Tot Ion: 91 Resp: 3199661
 Ion Ratio Lower Upper
 91 100
 126 30.5 12.2 49.0



#72
 4-Ethyltoluene
 Concen: 7.84 ppbv
 RT: 17.83 min Scan# 2418
 Delta R.T. 0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Tgt Ion: 105 Resp: 3666873
 Ion Ratio Lower Upper
 105 100
 120 29.7 23.9 35.9
 91 13.6 10.3 15.5
 77 13.8 10.9 16.3





#73

1,3,5-Trimethylbenzene

Concen: 7.68 ppbv

RT: 17.99 min Scan# 2445

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

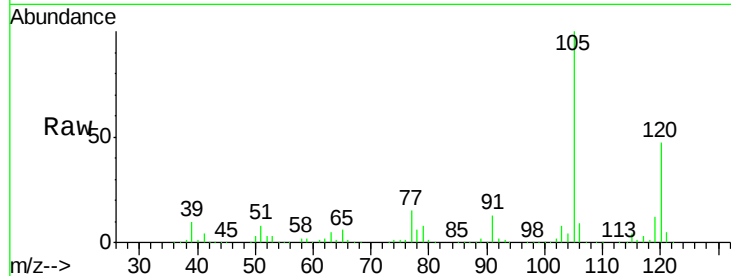
VL0727ABS01

Tot Ion:105 Resp: 3530489

Ion Ratio Lower Upper

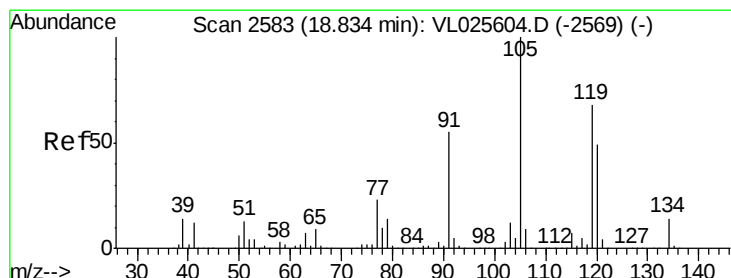
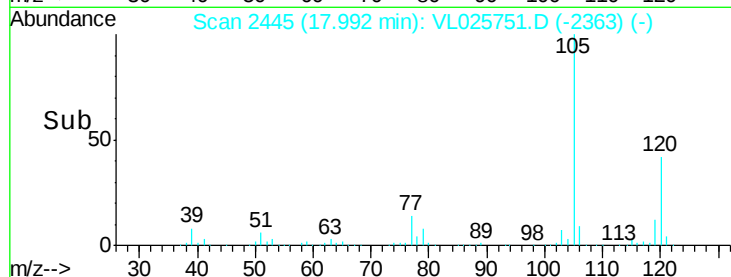
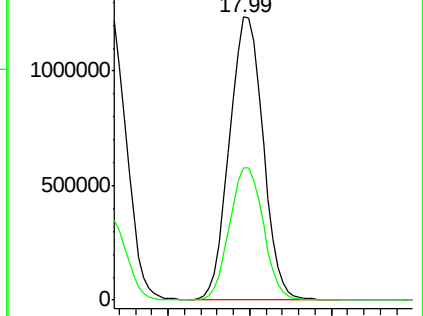
105 100

120 46.5 37.0 55.4



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: 7.19 ppbv

RT: 18.84 min Scan# 2584

Delta R.T. 0.01 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Tgt Ion:105 Resp: 3704155

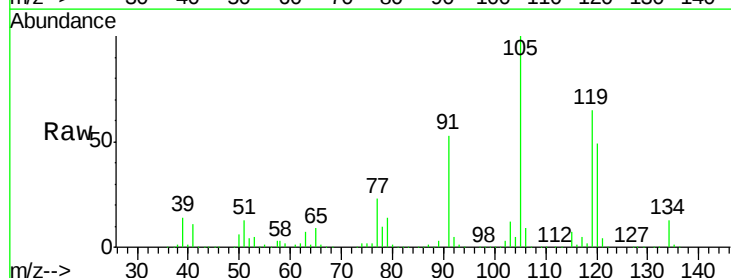
Ion Ratio Lower Upper

105 100

120 48.5 39.3 58.9

91 52.8 43.8 65.6

77 23.0 18.3 27.5

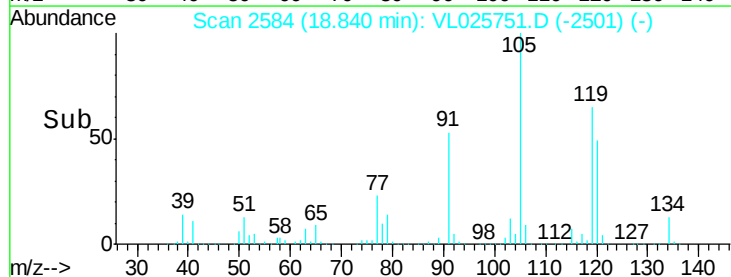
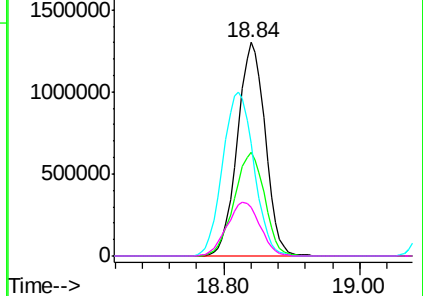


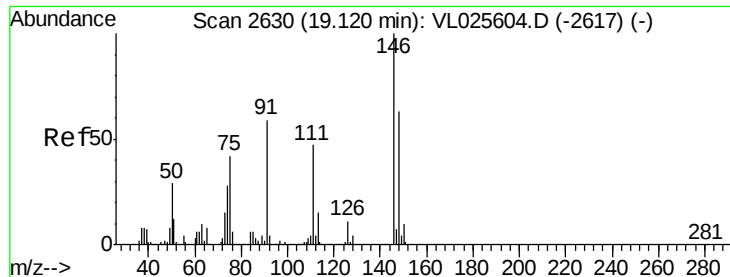
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V

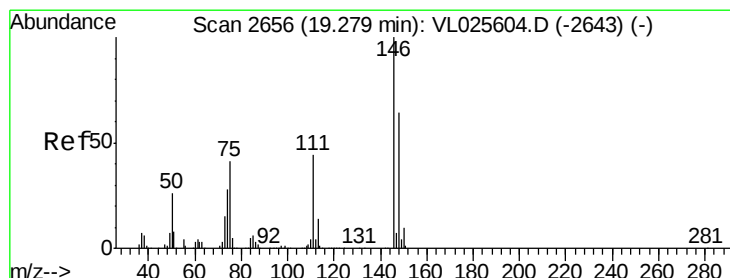
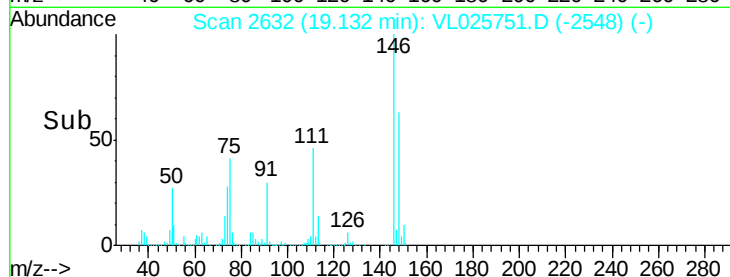
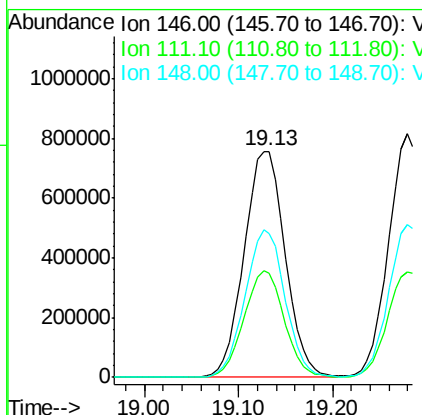
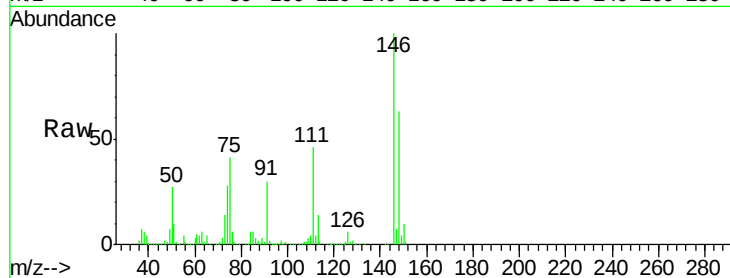




#75
 1,3-Dichlorobenzene
 Concen: 6.88 ppbv
 RT: 19.13 min Scan# 2632
 Delta R.T. 0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

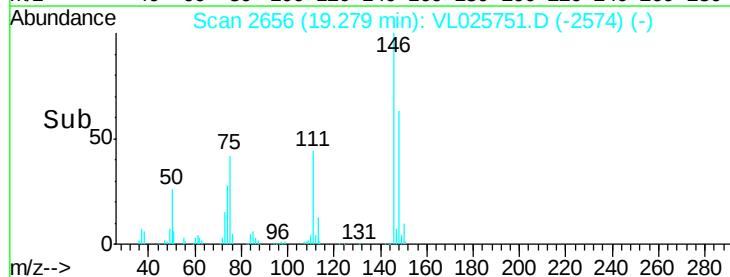
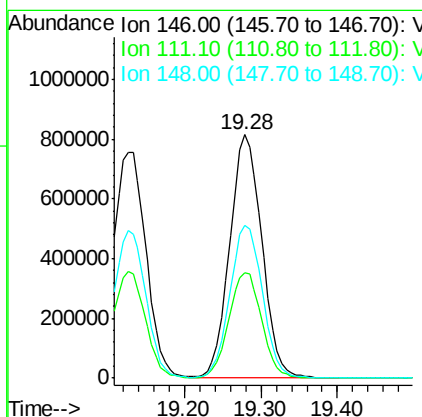
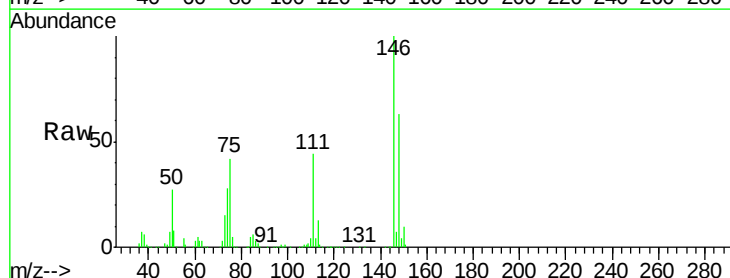
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

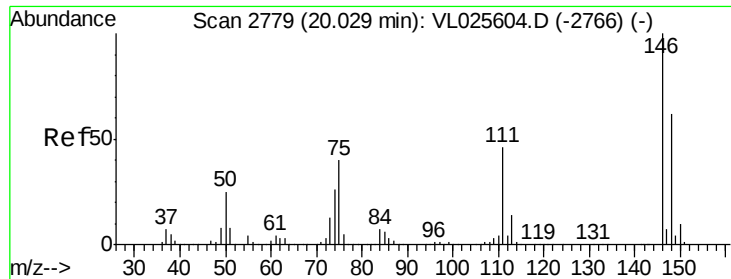
Tot Ion:146 Resp: 2307022
 Ion Ratio Lower Upper
 146 100
 111 46.1 22.7 68.1
 148 63.6 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 7.06 ppbv
 RT: 19.28 min Scan# 2656
 Delta R.T. -0.00 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Tgt Ion:146 Resp: 2370348
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.1 66.1
 148 63.5 31.9 95.9





#77

1,2-Dichlorobenzene

Concen: 6.94 ppbv

RT: 20.03 min Scan# 2780

Delta R.T. 0.01 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

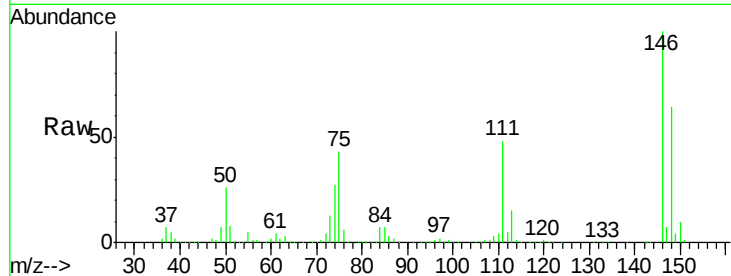
Tot Ion:146 Resp: 2309405

Ion Ratio Lower Upper

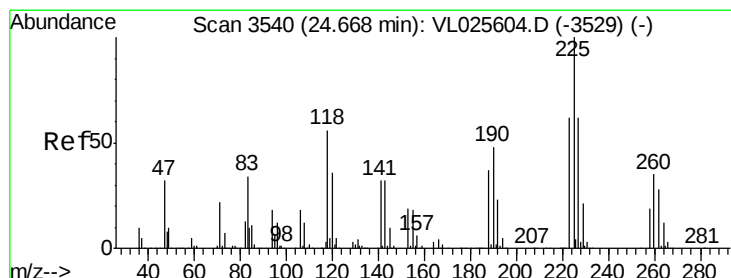
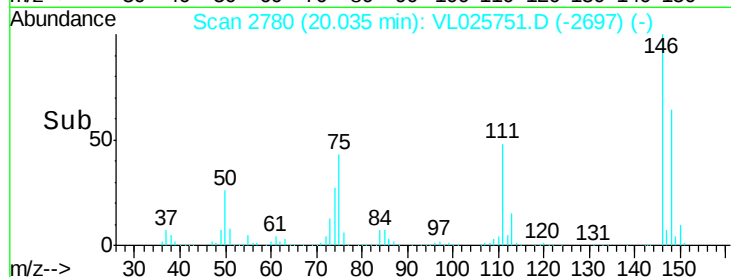
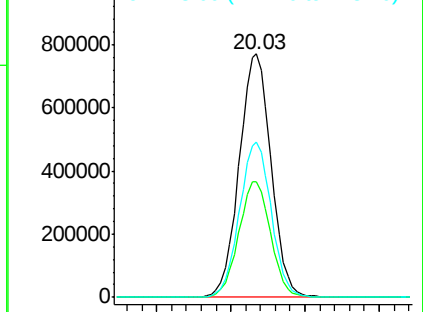
146 100

111 47.7 23.4 70.3

148 63.8 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: 6.38 ppbv

RT: 24.67 min Scan# 3541

Delta R.T. 0.01 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

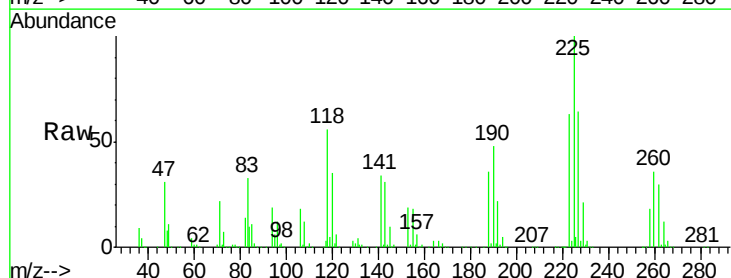
Tgt Ion:225 Resp: 1306154

Ion Ratio Lower Upper

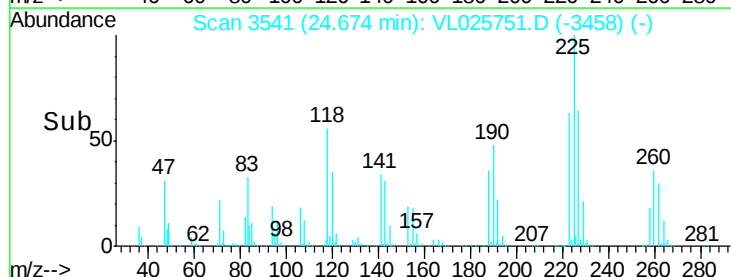
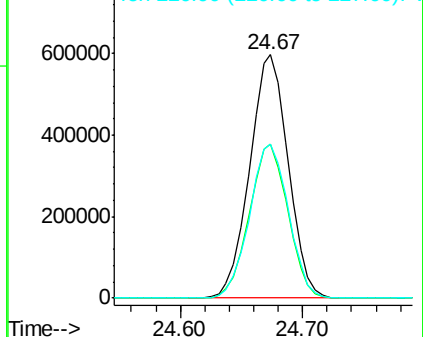
225 100

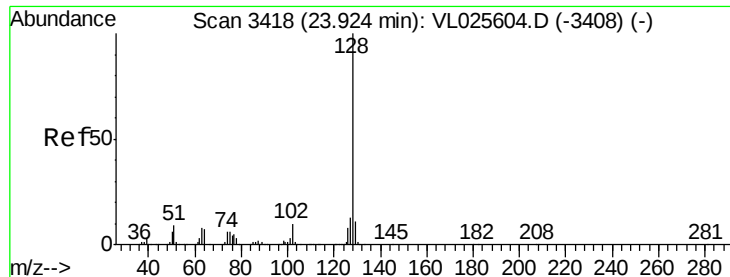
223 63.7 50.6 76.0

227 64.3 50.5 75.7



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: 6.90 ppbv

RT: 23.93 min Scan# 3419

Delta R.T. 0.01 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

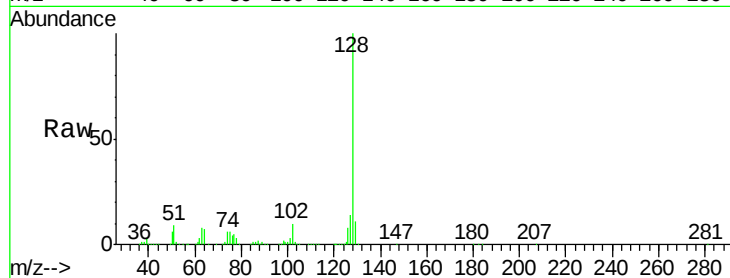
Tot Ion:128 Resp: 3430845

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

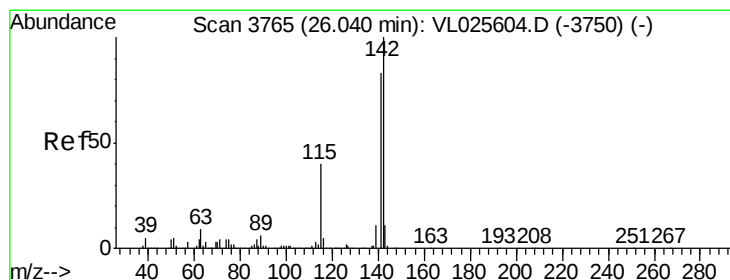
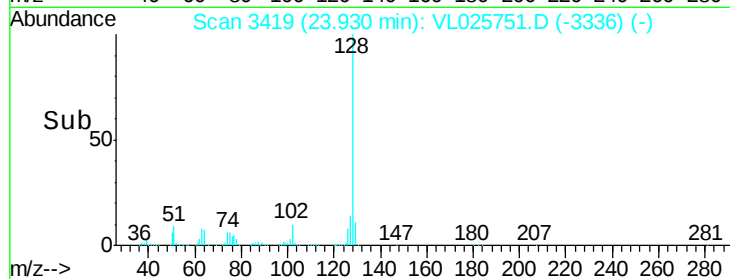
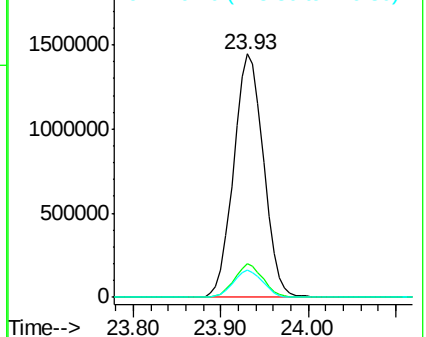
129 11.1 9.0 13.4



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: 4.09 ppbv

RT: 26.04 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VL025751.D

Acq: 27 Jul 2015 13:26

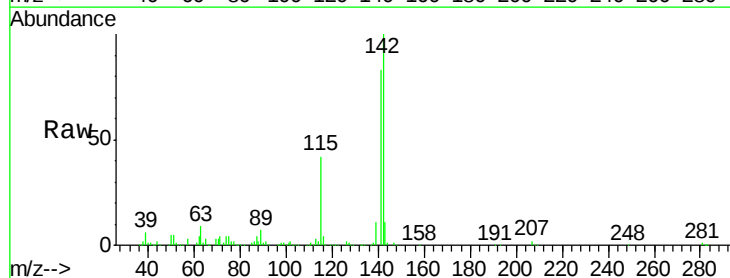
Tgt Ion:142 Resp: 591923

Ion Ratio Lower Upper

142 100

141 84.1 67.1 100.7

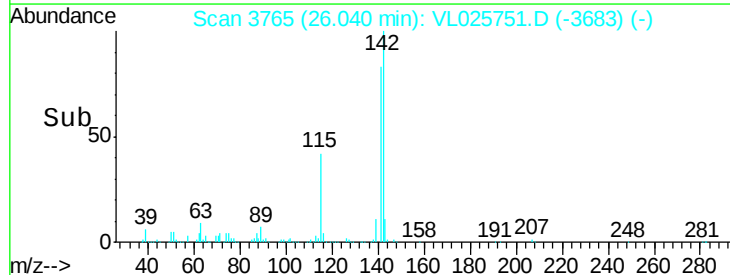
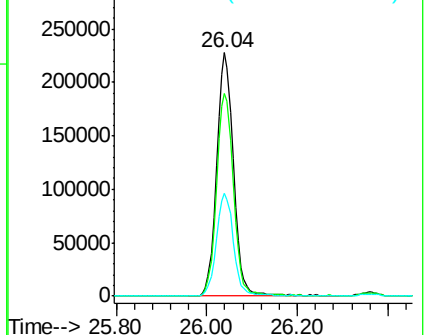
115 43.1 33.9 50.9

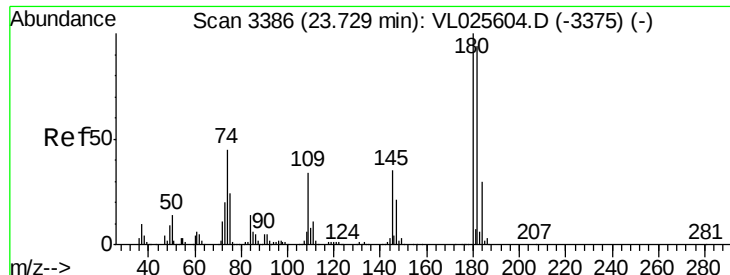


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

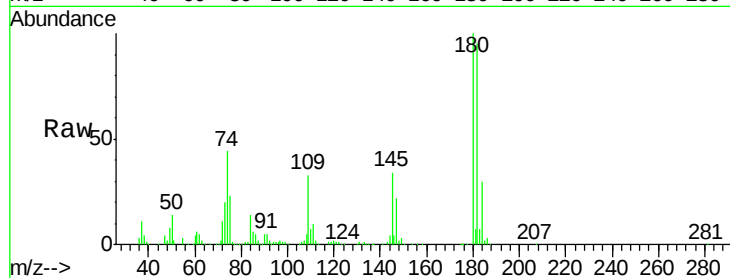




#81
 1,2,4-Trichlorobenzene
 Concen: 7.43 ppbv
 RT: 23.74 min Scan# 3387
 Delta R.T. 0.01 min
 Lab File: VL025751.D
 Acq: 27 Jul 2015 13:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Tot Ion:180 Resp: 1770885
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.1 114.1
 184 30.3 24.4 36.6



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

