

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
 Data File : VL026250.D
 Acq On : 21 Oct 2015 23:01
 Operator : SY/MD
 Sample : VL1021ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

Quant Time: Oct 22 08:39:17 2015

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 2015

QLast Update : Wed Oct 21 01:20:55 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.62	49	434737	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.30	114	1353558	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.71	117	2055595	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.26	95	1288441	8.13	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.62	85	963005	10.69	ppbv	99
3) Chlorodifluoromethane	3.55	51	584709	10.62	ppbv	99
4) Chloromethane	3.73	50	322380	10.86	ppbv	100
5) Vinyl Chloride	3.87	62	342019	10.94	ppbv	98
6) Bromomethane	4.12	94	253689	11.30	ppbv	98
7) Chloroethane	4.21	64	148718	11.34	ppbv	100
8) Dichlorotetrafluoroethane	3.78	85	857509	11.07	ppbv	98
9) Propene	3.57	41	268131	10.41	ppbv	99
10) Heptane	9.32	43	928886	10.77	ppbv	99
11) Trichlorofluoromethane	4.67	101	1041308	11.78	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.28	101	664916	11.02	ppbv	98
13) Ethanol	4.31	45	21348	5.52	ppbv	100
14) Bromoethene	4.43	108	280474	11.02	ppbv	99
15) Acetone	4.57	43	618784	9.67	ppbv	98
16) 1,3-Butadiene	3.95	39	306500	10.74	ppbv	99
17) tert-Butyl alcohol	5.09	59	553469	12.65	ppbv	100
18) 1,1-Dichloroethene	5.06	96	299740	11.00	ppbv	99
19) Isopropyl Alcohol	4.72	45	276417	11.05	ppbv	88
20) Methylene Chloride	5.12	84	273759	10.72	ppbv	95
21) Allyl Chloride	5.20	41	450693	10.78	ppbv	97
22) trans-1,2-Dichloroethene	5.74	96	391072	11.13	ppbv	99
23) Vinyl Acetate	5.96	43	1239995	10.51	ppbv	99
24) 1,1-Dichloroethane	5.89	63	825655	11.10	ppbv	100
25) Ethyl Acetate	6.64	43	1264611	10.54	ppbv	99
26) Hexane	6.63	57	621478	10.37	ppbv	99
27) Carbon Disulfide	5.36	76	846514	11.04	ppbv	97
28) Methyl tert-Butyl Ether	5.92	73	1178138	10.81	ppbv	100
29) Chloroform	6.72	83	985277	11.32	ppbv	98
30) Cyclohexane	8.26	84	646209	10.78	ppbv	99
31) cis-1,2-Dichloroethene	6.49	61	606326	11.14	ppbv	99
32) 1,1,1-Trichloroethane	7.57	97	1030312	10.68	ppbv	99
34) 2-Butanone	6.17	43	802397	10.49	ppbv	100
35) Carbon Tetrachloride	8.13	117	1080983	10.48	ppbv	97
36) Benzene	7.99	78	1436620	10.42	ppbv	100
37) 1,2-Dichloroethane	7.34	62	798842	11.27	ppbv	99
38) Trichloroethene	9.04	130	604576	9.04	ppbv	99
39) 1,2-Dichloropropane	8.80	63	515211	10.63	ppbv	98
40) 1,4-Dioxane	9.09	88	58371	6.41	ppbv #	1
41) Tetrahydrofuran	7.09	42	457177	10.32	ppbv	99
42) Bromodichloromethane	8.99	83	1109899	10.89	ppbv	100
43) Methyl Methacrylate	9.24	69	550347	10.97	ppbv	99

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 ClientSampleId :
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Quant Time: Oct 22 08:39:17 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 2015
 QLast Update : Wed Oct 21 01:20:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	2231234	10.00	ppbv	99
45) t-1,3-Dichloropropene	10.62	75	862300	11.01	ppbv	100
46) cis-1,3-Dichloropropene	9.99	75	998093	10.89	ppbv	99
47) 1,1,2-Trichloroethane	10.85	97	659432	10.82	ppbv	100
48) Dibromochloromethane	11.77	129	1059481	10.67	ppbv	100
49) Bromoform	14.79	173	857073	10.22	ppbv	99
50) 4-Methyl-2-Pentanone	10.06	43	1137460	11.01	ppbv	100
51) 2-Hexanone	11.58	43	1083474	11.23	ppbv #	100
52) Tetrachloroethene	12.76	164	678852	8.59	ppbv	98
53) Toluene	11.21	91	1953083	10.42	ppbv	99
54) 1,2-Dibromoethane	12.11	107	1024942	10.87	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.76	131	764574	7.75	ppbv	97
57) Chlorobenzene	13.79	112	1621921	8.24	ppbv	98
58) Ethyl Benzene	14.38	91	2810037	8.44	ppbv	98
59) m/p-Xylene	14.69	91	4331646	16.61	ppbv	99
60) o-Xylene	15.46	91	2214200	8.12	ppbv	99
61) Styrene	15.28	104	1084018	8.79	ppbv	99
62) Isopropylbenzene	16.51	105	3138901	8.28	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.46	83	1438509	7.98	ppbv	100
64) n-propylbenzene	17.49	120	865465	8.30	ppbv	89
65) tert-Butylbenzene	18.78	119	2747964	7.94	ppbv	99
66) Benzyl Chloride	19.07	91	1088088	7.61	ppbv	99
67) sec-Butylbenzene	19.38	105	3979260	8.24	ppbv	99
69) p-Isopropyltoluene	19.75	119	3298564	8.17	ppbv	100
70) n-Butylbenzene	20.72	91	3146603	8.53	ppbv	99
71) 2-Chlorotoluene	17.40	91	2340279	8.38	ppbv	100
72) 4-Ethyltoluene	17.79	105	2696546	8.50	ppbv	100
73) 1,3,5-Trimethylbenzene	17.96	105	2478056	8.38	ppbv	100
74) 1,2,4-Trimethylbenzene	18.80	105	2447435	7.98	ppbv	96
75) 1,3-Dichlorobenzene	19.08	146	1621855	8.09	ppbv	99
76) 1,4-Dichlorobenzene	19.24	146	1703154	8.14	ppbv	99
77) 1,2-Dichlorobenzene	19.99	146	1646846	8.15	ppbv	99
78) Hexachloro-1,3-Butadiene	24.64	225	659984	6.37	ppbv	99
79) Naphthalene	23.90	128	2022523	7.48	ppbv	99
80) Naphthalene,2-methyl-	26.01	142	384374	7.92	ppbv	97
81) 1,2,4-Trichlorobenzene	23.70	180	937480	7.21	ppbv	100

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

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ClientSampleId :
VL1021ABS02

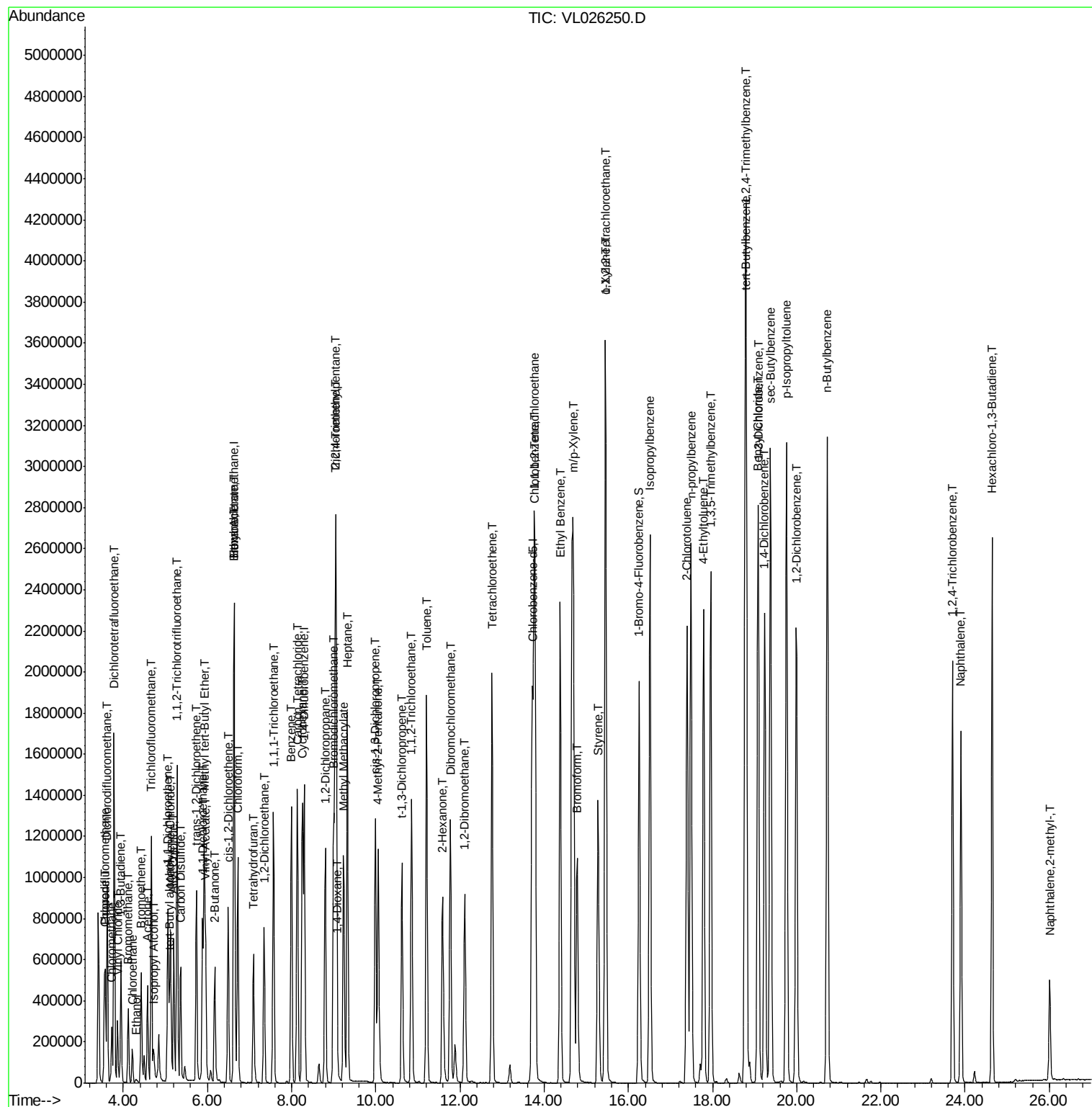
Quant Time: Oct 22 08:39:17 2015

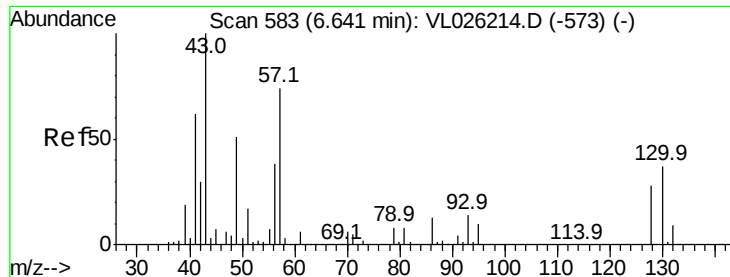
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 2015

QLast Update : Wed Oct 21 01:20:55 2015

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.62 min Scan# 580

Delta R.T. -0.02 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS02

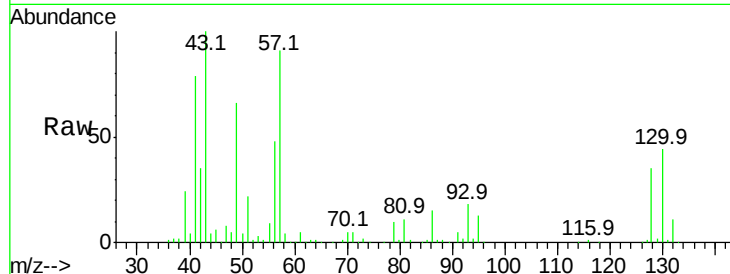
Tgt Ion: 49 Resp: 434737

Ion Ratio Lower Upper

49 100

128 54.9 28.2 84.7

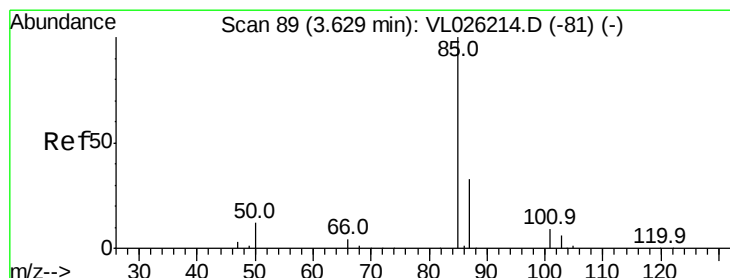
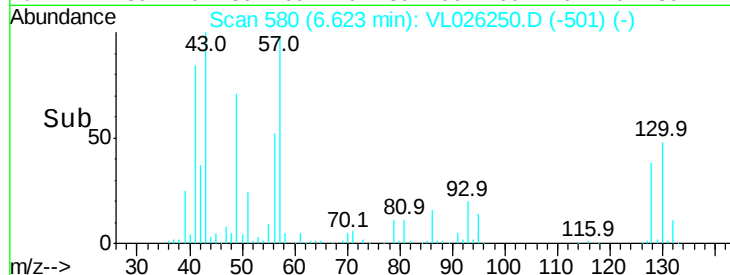
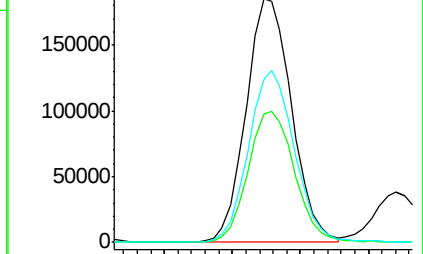
130 71.2 36.0 108.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 10.69 ppbv

RT: 3.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VL026250.D

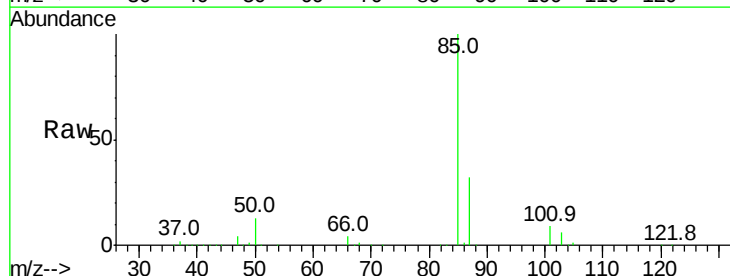
Acq: 21 Oct 2015 23:01

Tgt Ion: 85 Resp: 963005

Ion Ratio Lower Upper

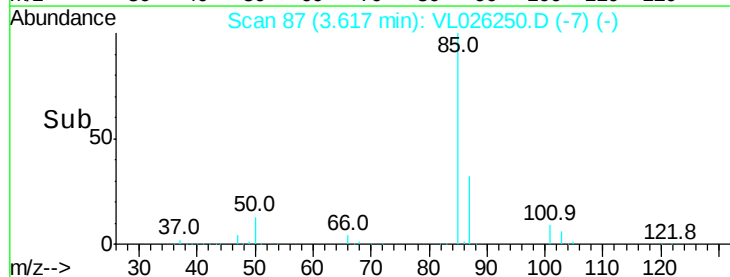
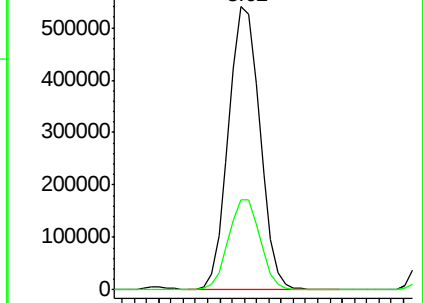
85 100

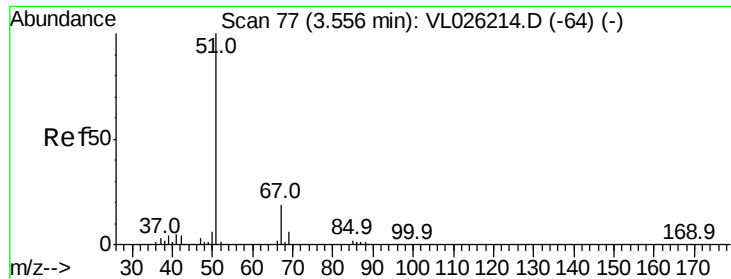
87 32.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

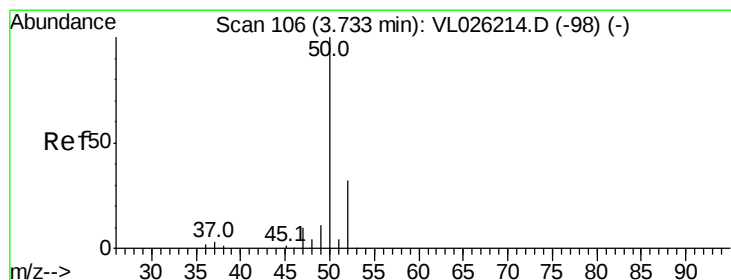
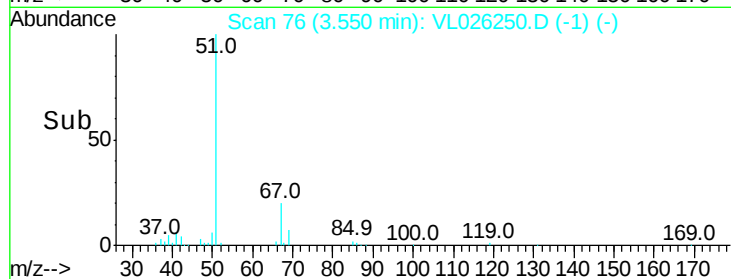
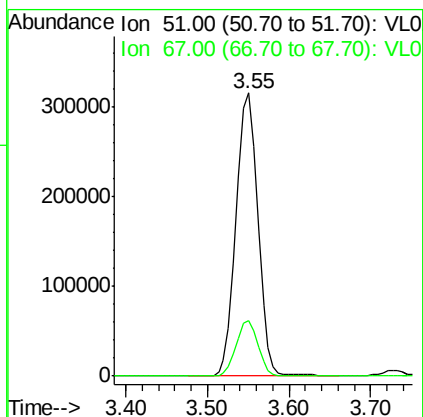
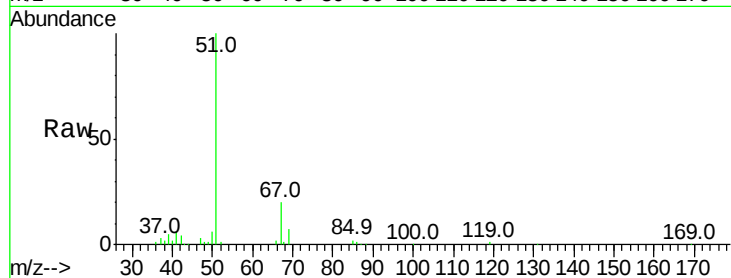




#3
 Chlorodifluoromethane
 Concen: 10.62 ppbv
 RT: 3.55 min Scan# 76
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

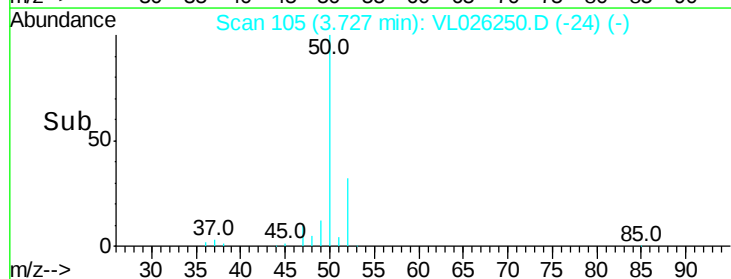
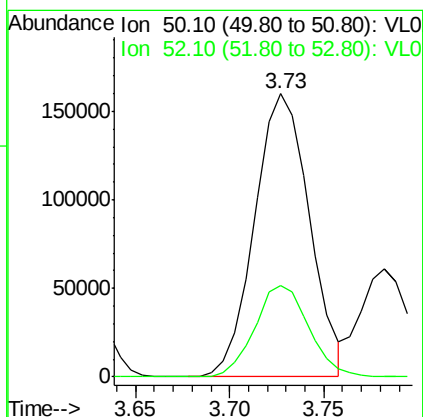
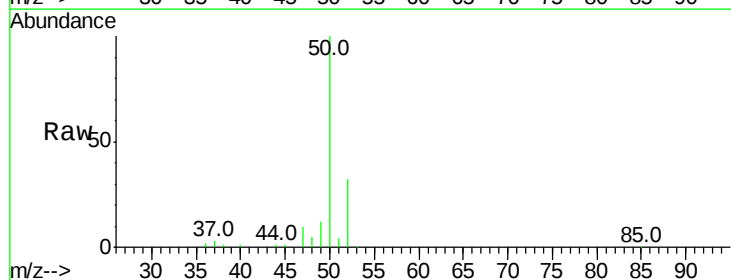
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

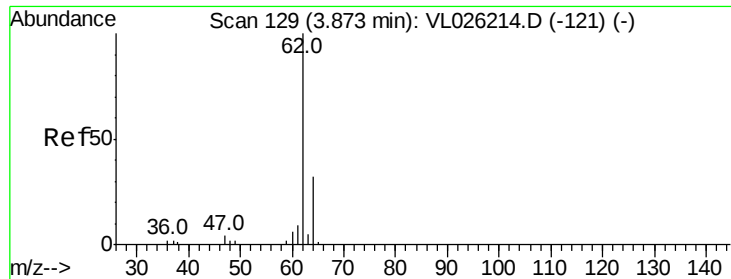
Tgt Ion: 51 Resp: 584709
 Ion Ratio Lower Upper
 51 100
 67 19.5 15.3 22.9



#4
 Chloromethane
 Concen: 10.86 ppbv
 RT: 3.73 min Scan# 105
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Tgt Ion: 50 Resp: 322380
 Ion Ratio Lower Upper
 50 100
 52 32.2 25.8 38.6





#5

Vinyl Chloride

Concen: 10.94 ppbv

RT: 3.87 min Scan# 128

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

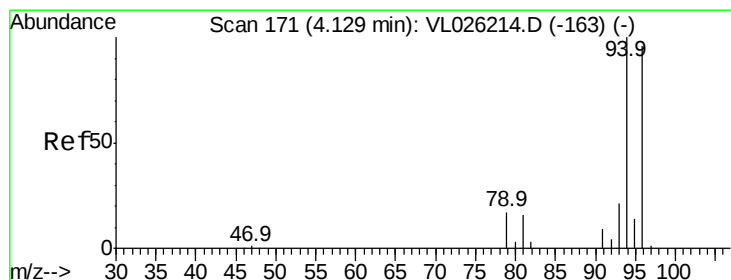
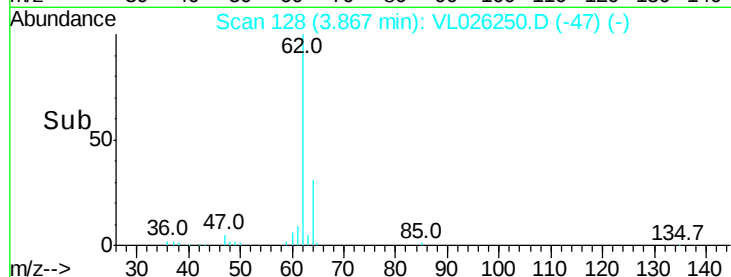
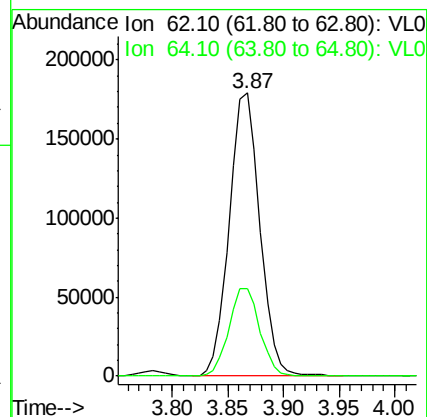
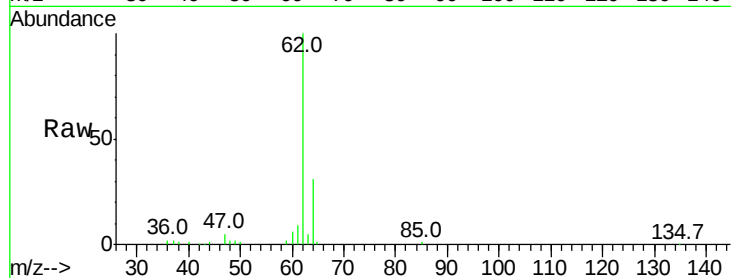
VL1021ABS02

Tgt Ion: 62 Resp: 342019

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4



#6

Bromomethane

Concen: 11.30 ppbv

RT: 4.12 min Scan# 169

Delta R.T. -0.01 min

Lab File: VL026250.D

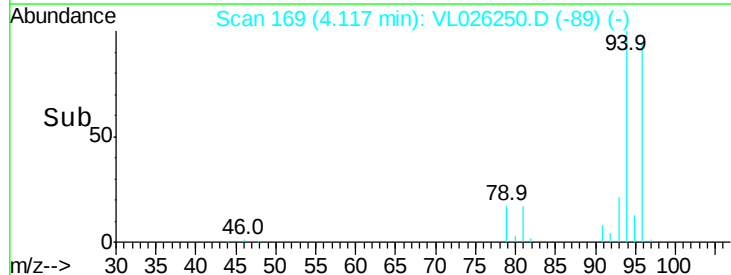
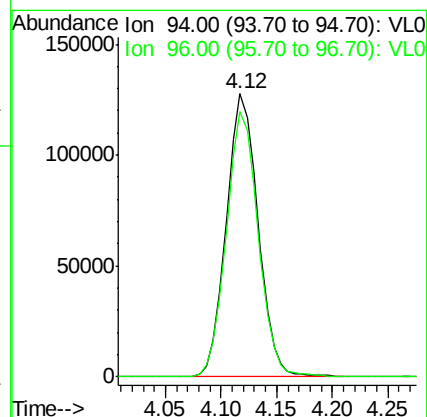
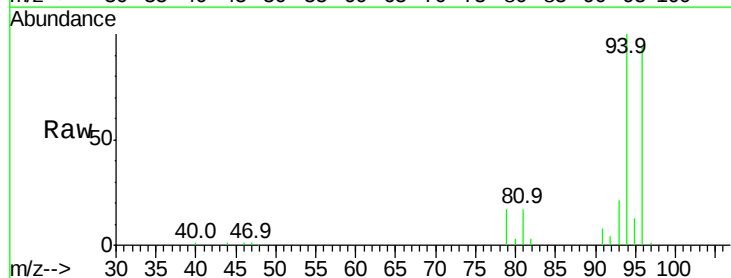
Acq: 21 Oct 2015 23:01

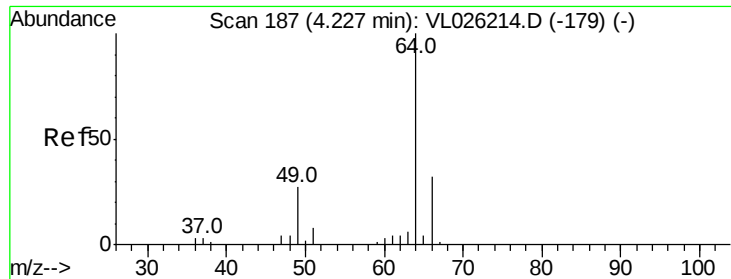
Tgt Ion: 94 Resp: 253689

Ion Ratio Lower Upper

94 100

96 93.4 76.5 114.7





#7

Chloroethane

Concen: 11.34 ppbv

RT: 4.21 min Scan# 185

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

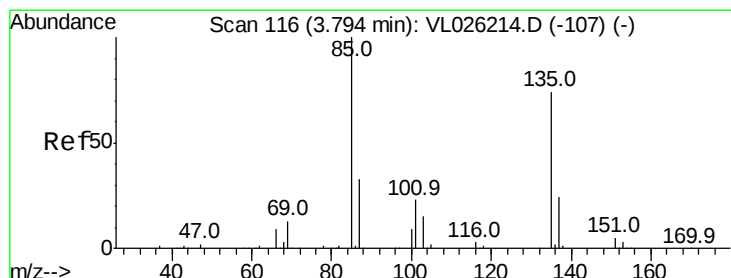
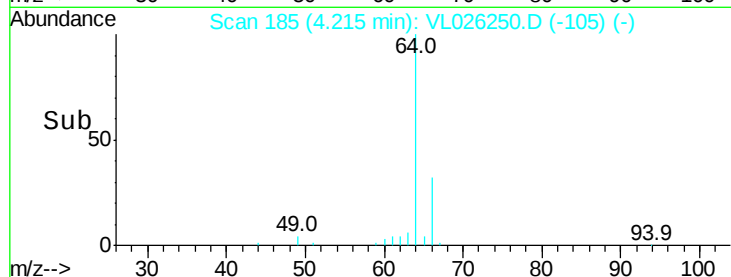
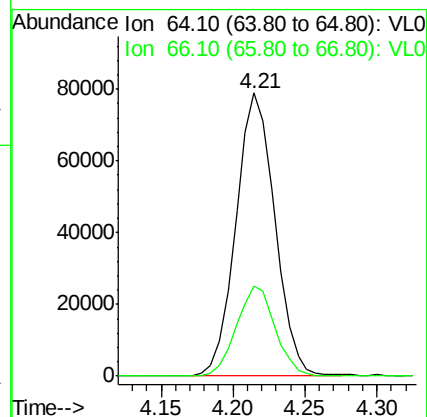
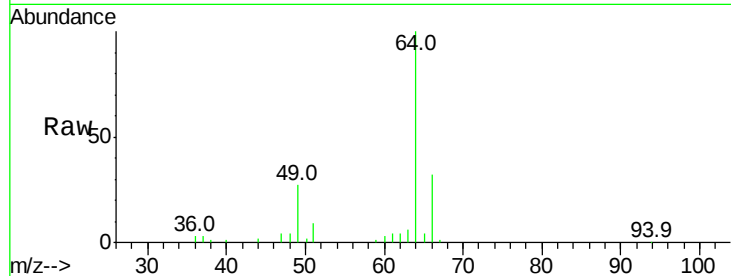
VL1021ABS02

Tgt Ion: 64 Resp: 148718

Ion Ratio Lower Upper

64 100

66 31.7 25.4 38.0



#8

Dichlorotetrafluoroethane

Concen: 11.07 ppbv

RT: 3.78 min Scan# 114

Delta R.T. -0.01 min

Lab File: VL026250.D

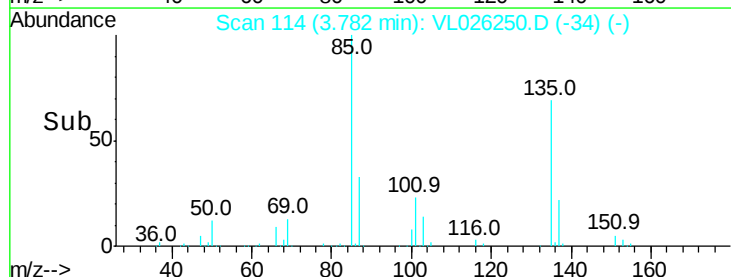
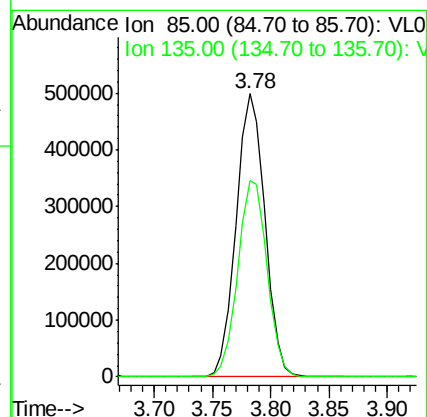
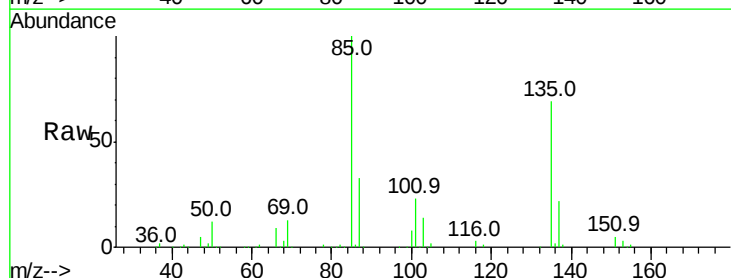
Acq: 21 Oct 2015 23:01

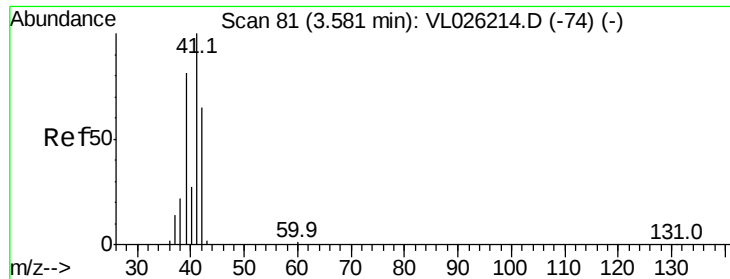
Tgt Ion: 85 Resp: 857509

Ion Ratio Lower Upper

85 100

135 71.0 57.8 86.8





#9

Propene

Concen: 10.41 ppbv

RT: 3.57 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

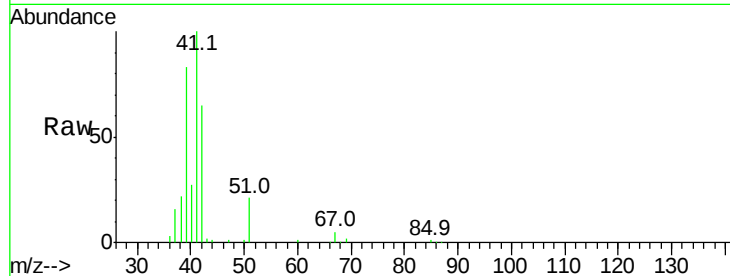
VL1021ABS02

Tgt Ion: 41 Resp: 268131

Ion Ratio Lower Upper

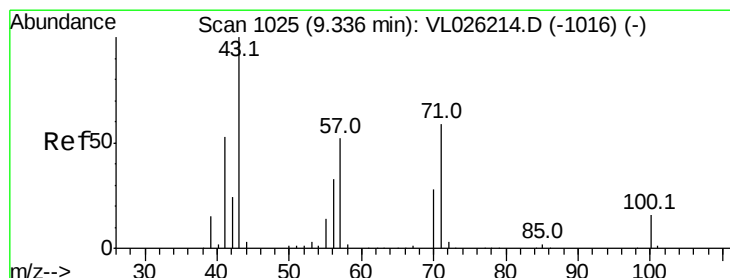
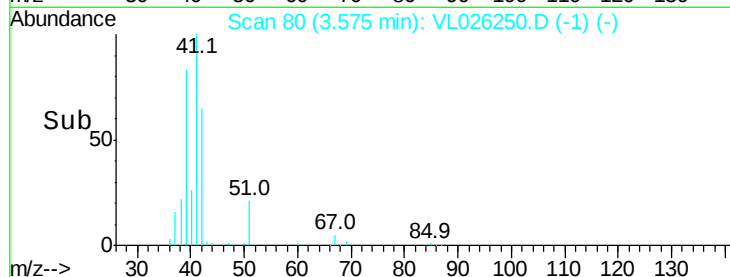
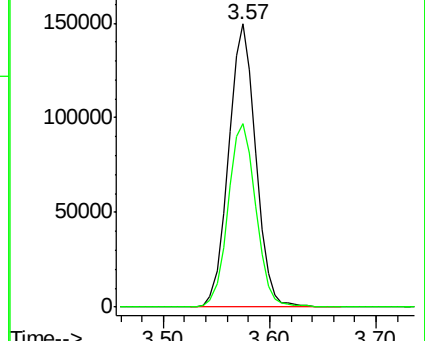
41 100

42 66.2 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.77 ppbv

RT: 9.32 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VL026250.D

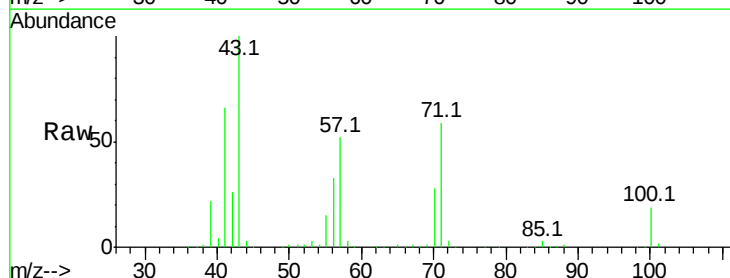
Acq: 21 Oct 2015 23:01

Tgt Ion: 43 Resp: 928886

Ion Ratio Lower Upper

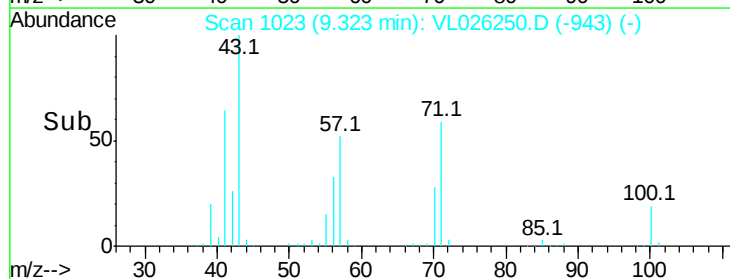
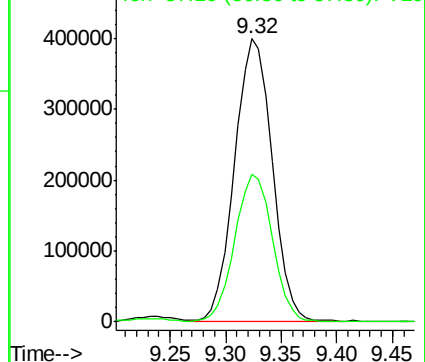
43 100

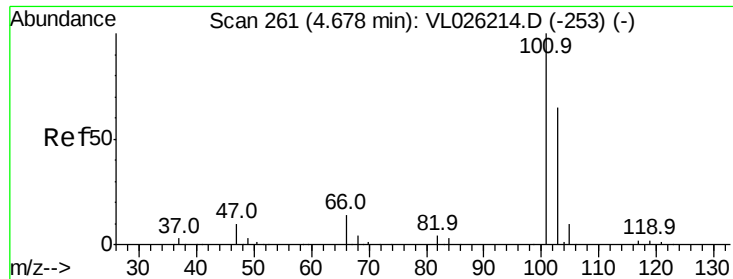
57 53.9 43.7 65.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

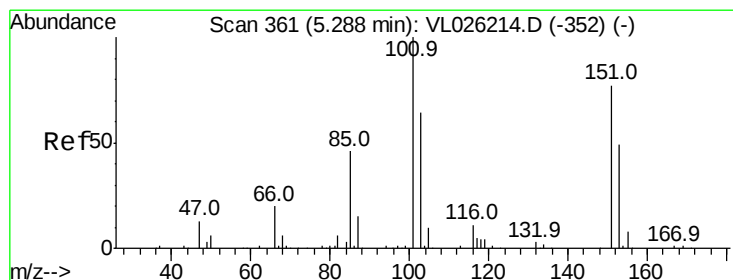
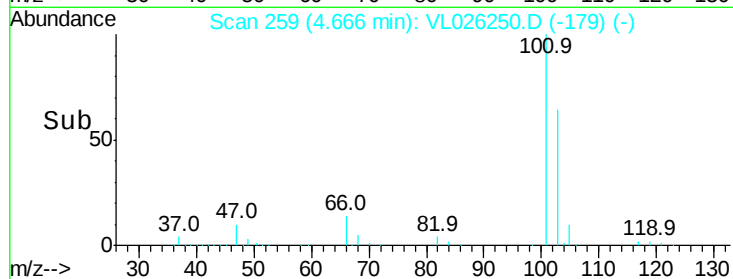
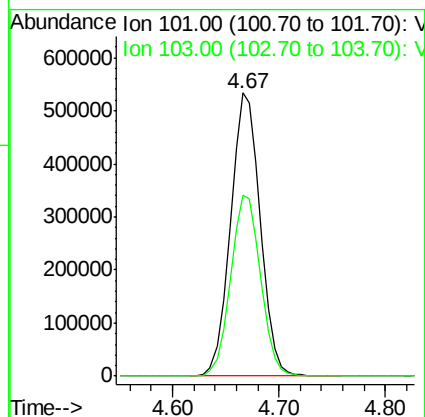
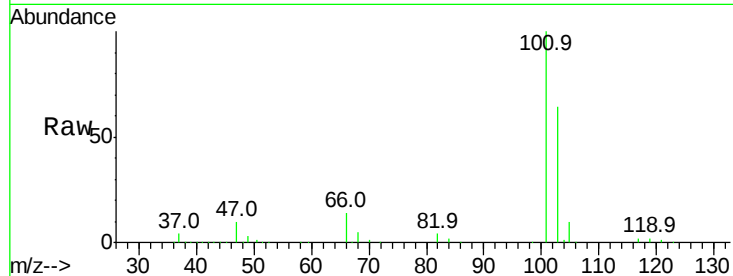




#11
 Trichlorofluoromethane
 Concen: 11.78 ppbv
 RT: 4.67 min Scan# 259
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

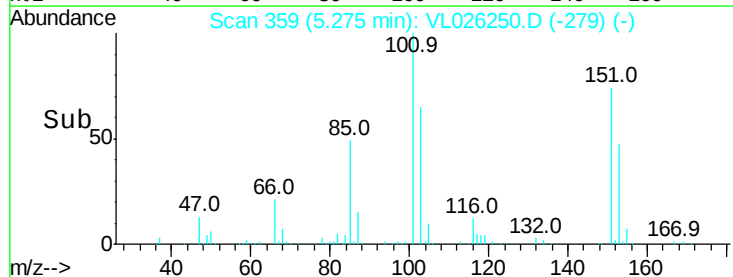
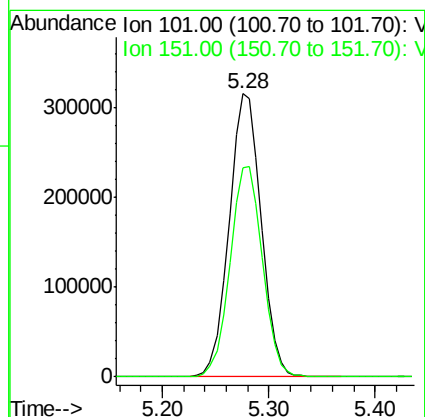
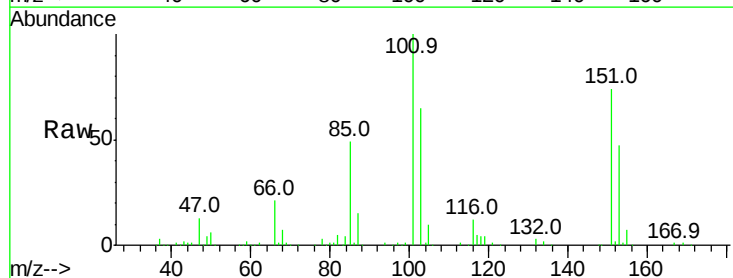
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

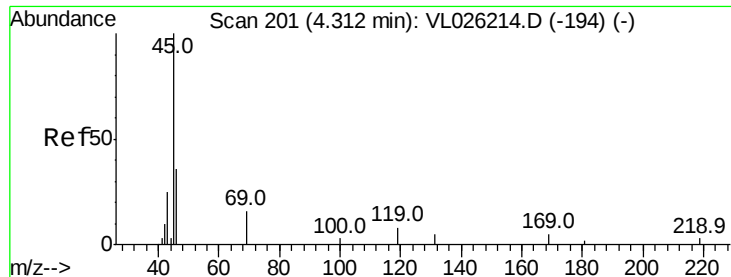
Tgt Ion:101 Resp: 1041308
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.2 78.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.02 ppbv
 RT: 5.28 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Tgt Ion:101 Resp: 664916
 Ion Ratio Lower Upper
 101 100
 151 75.1 61.7 92.5





#13

Ethanol

Concen: 5.52 ppbv

RT: 4.31 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

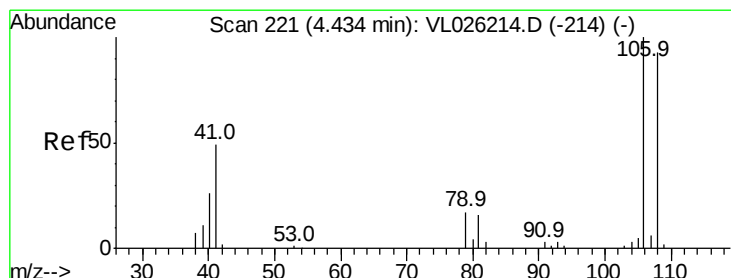
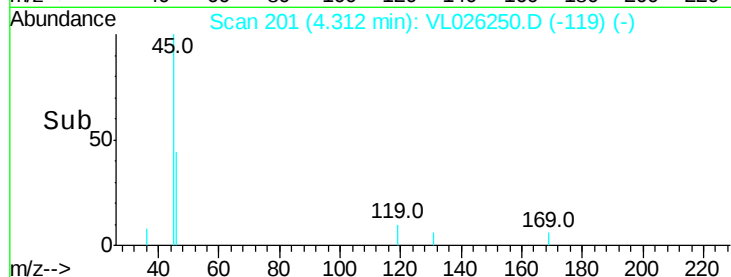
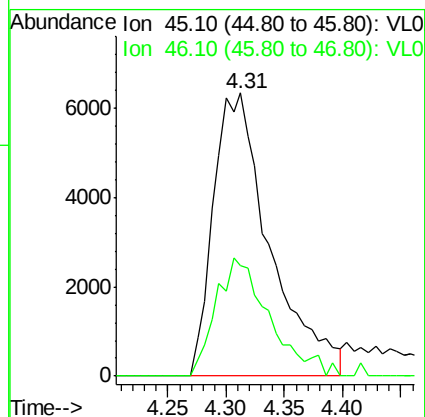
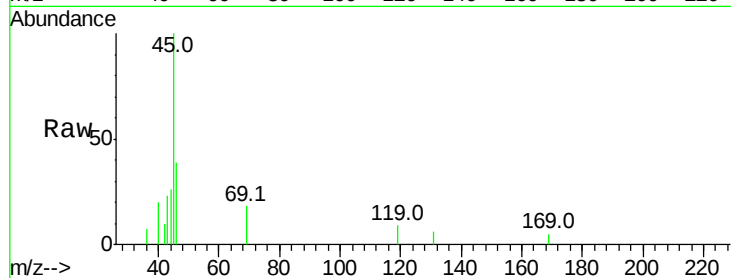
VL1021ABS02

Tgt Ion: 45 Resp: 21348

Ion Ratio Lower Upper

45 100

46 39.5 15.8 63.0



#14

Bromoethene

Concen: 11.02 ppbv

RT: 4.43 min Scan# 220

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

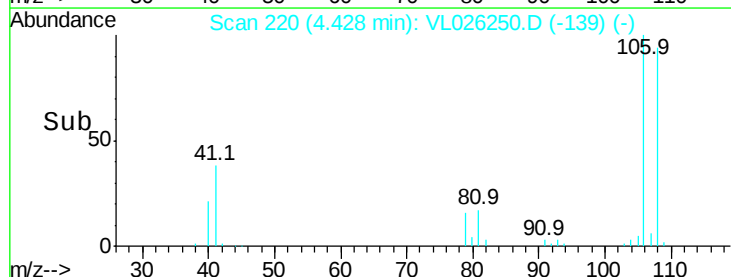
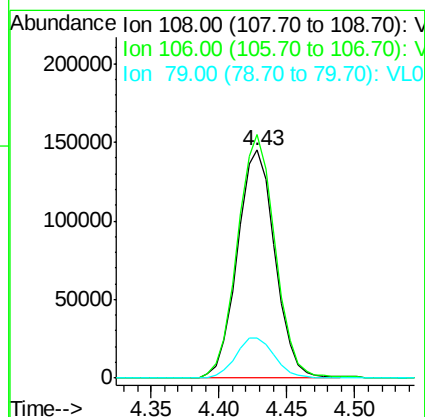
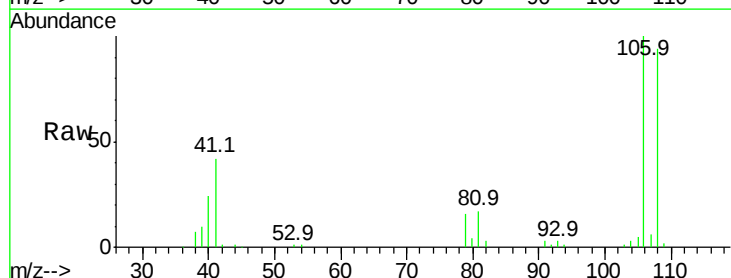
Tgt Ion: 108 Resp: 280474

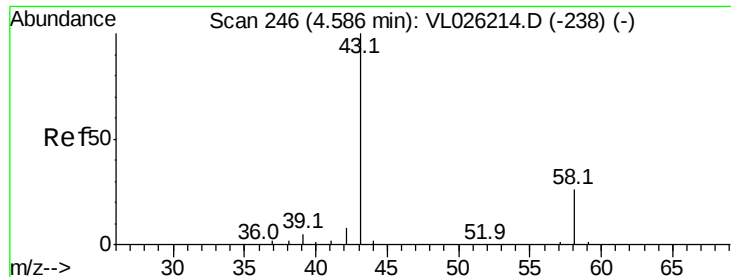
Ion Ratio Lower Upper

108 100

106 107.0 84.7 127.1

79 18.2 14.0 21.0





#15

Acetone

Concen: 9.67 ppbv

RT: 4.57 min Scan# 244

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

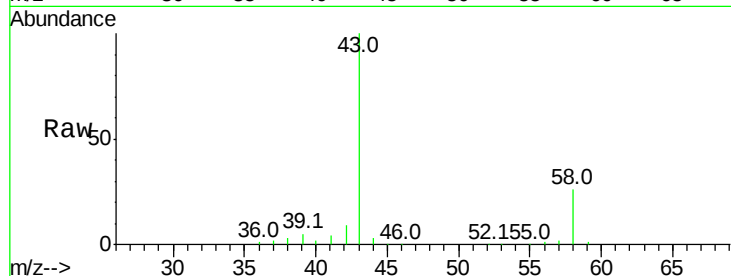
VL1021ABS02

Tgt Ion: 43 Resp: 618784

Ion Ratio Lower Upper

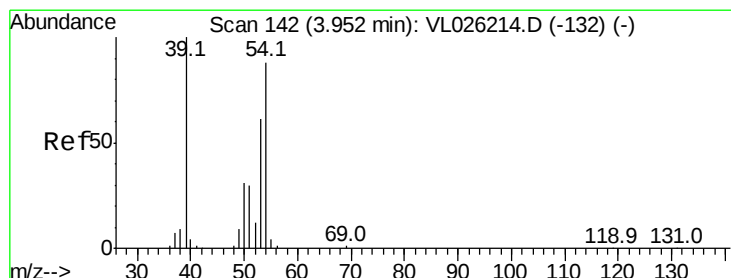
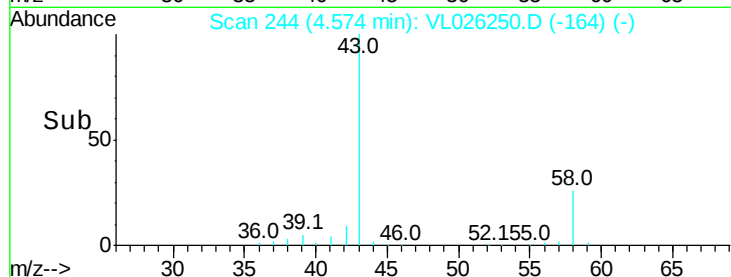
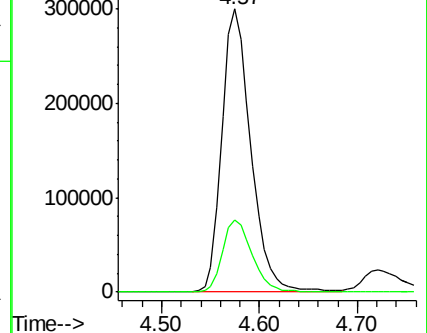
43 100

58 26.3 21.8 32.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.74 ppbv

RT: 3.95 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL026250.D

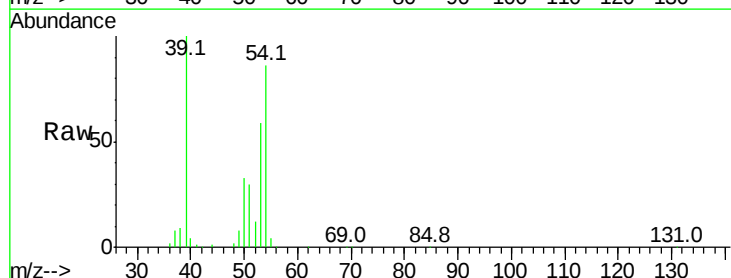
Acq: 21 Oct 2015 23:01

Tgt Ion: 39 Resp: 306500

Ion Ratio Lower Upper

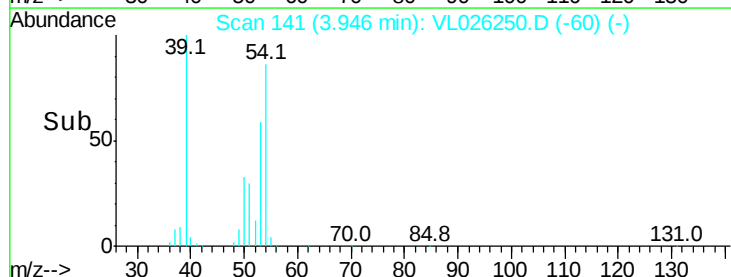
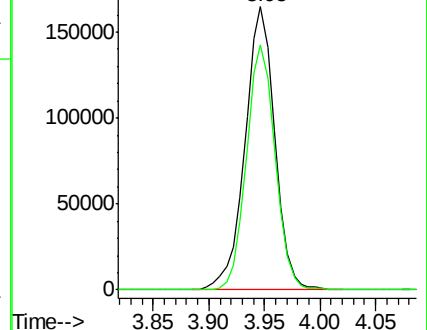
39 100

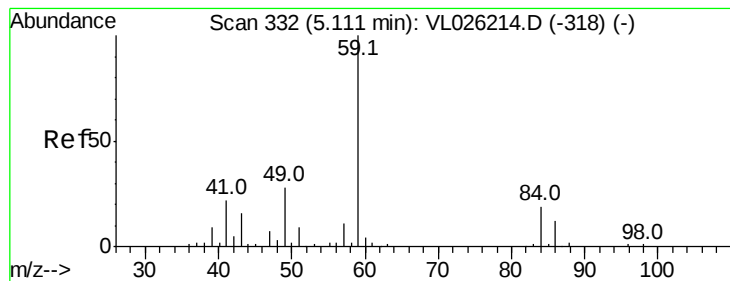
54 83.1 67.3 100.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 12.65 ppbv

RT: 5.09 min Scan# 329

Delta R.T. -0.02 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

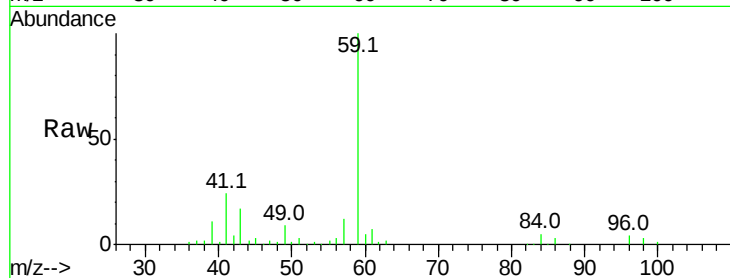
VL1021ABS02

Tgt Ion: 59 Resp: 553469

Ion Ratio Lower Upper

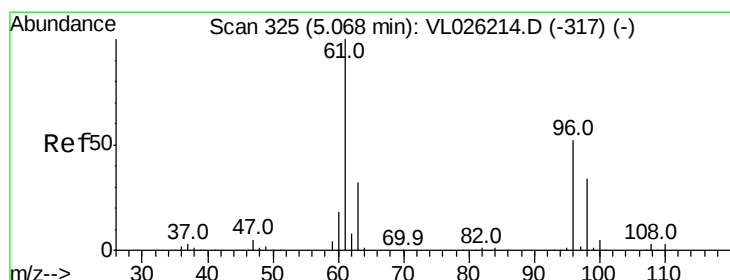
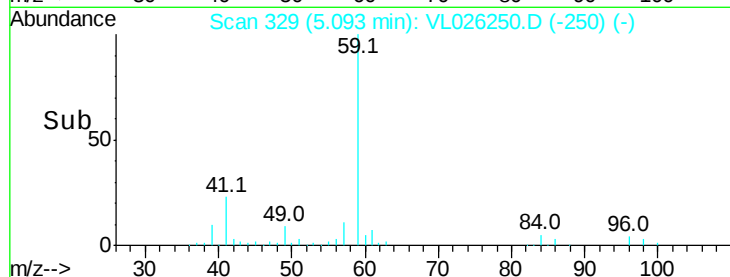
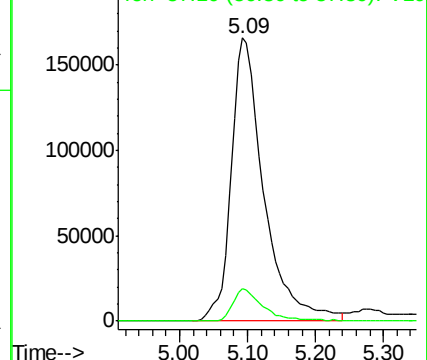
59 100

57 10.8 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 11.00 ppbv

RT: 5.06 min Scan# 324

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

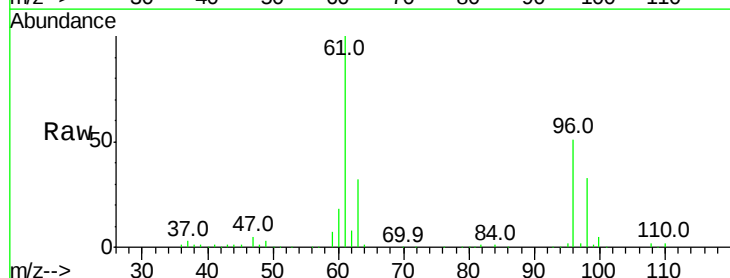
Tgt Ion: 96 Resp: 299740

Ion Ratio Lower Upper

96 100

61 194.5 153.7 230.5

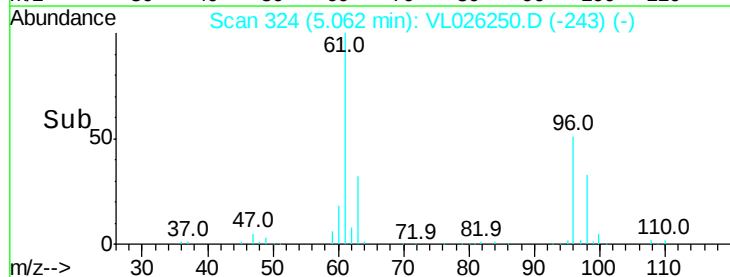
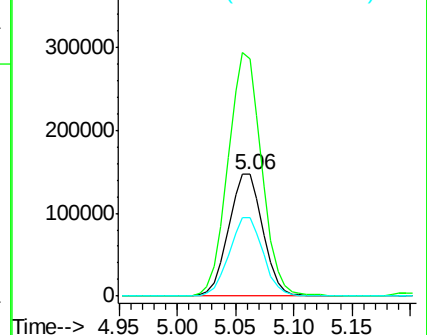
98 64.0 51.6 77.4

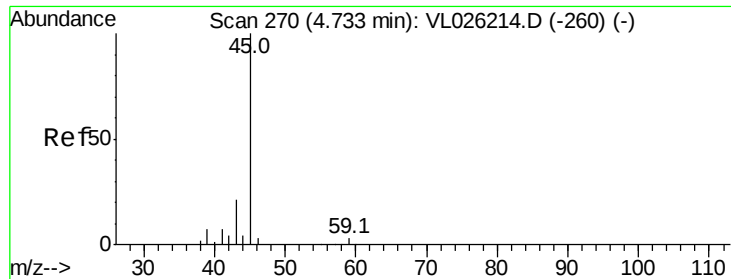


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 11.05 ppbv

RT: 4.72 min Scan# 268

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

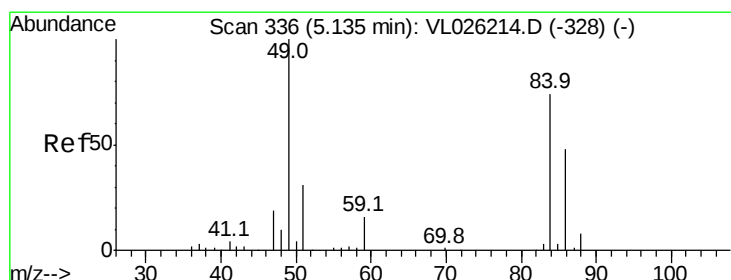
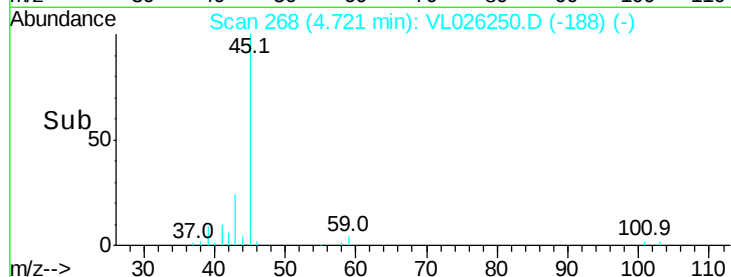
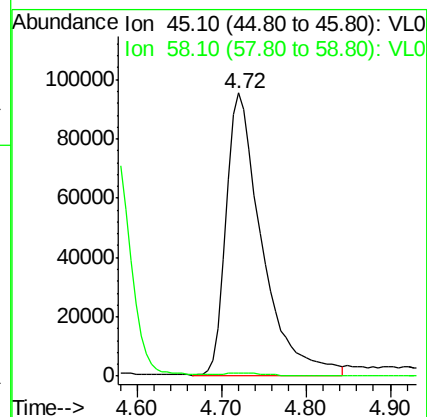
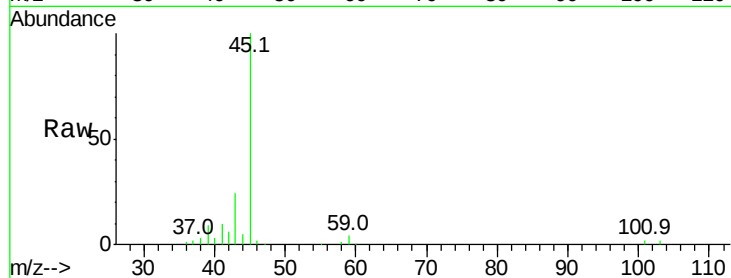
VL1021ABS02

Tgt Ion: 45 Resp: 276417

Ion Ratio Lower Upper

45 100

58 58.9 40.3 60.5



#20

Methylene Chloride

Concen: 10.72 ppbv

RT: 5.12 min Scan# 334

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Tgt Ion: 84 Resp: 273759

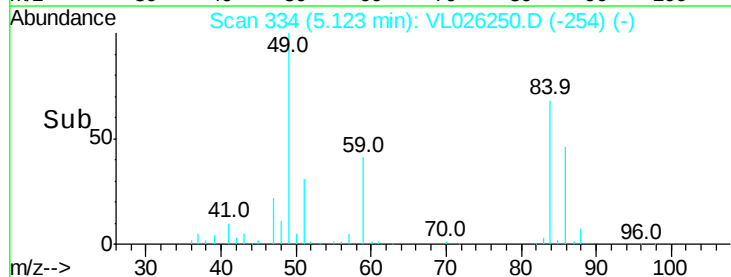
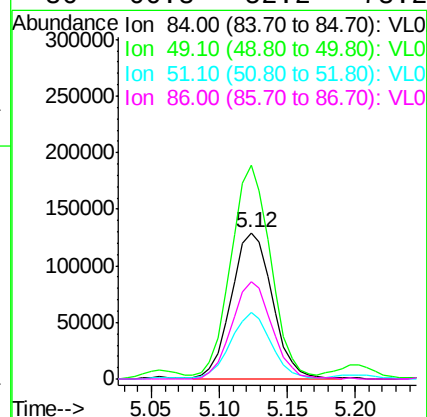
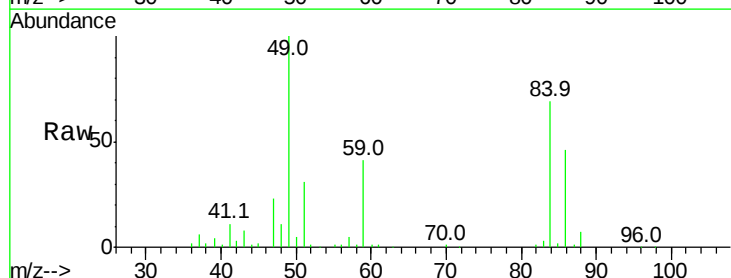
Ion Ratio Lower Upper

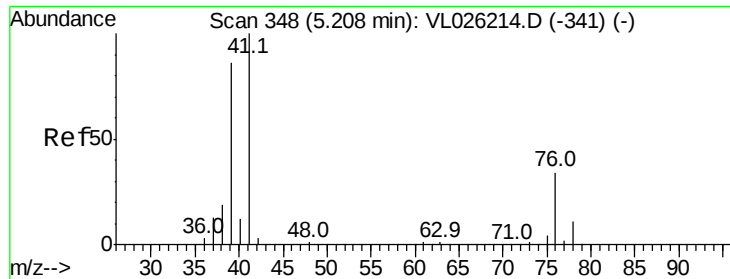
84 100

49 144.4 108.7 163.1

51 44.6 33.7 50.5

86 66.8 52.2 78.2





#21

Allyl Chloride

Concen: 10.78 ppbv

RT: 5.20 min Scan# 347

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS02

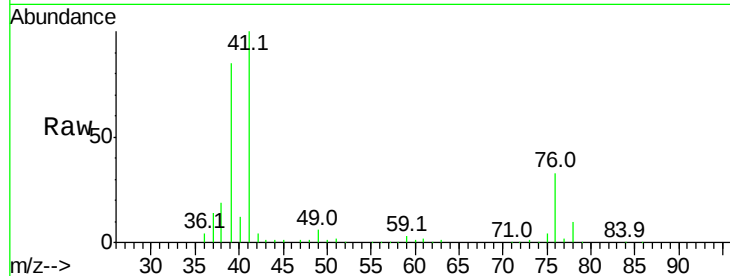
Tgt Ion: 41 Resp: 450693

Ion Ratio Lower Upper

41 100

76 32.8 26.6 39.8

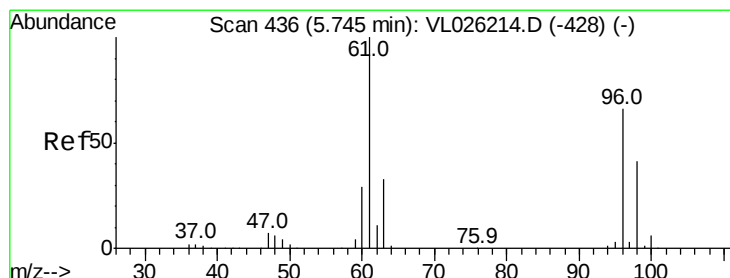
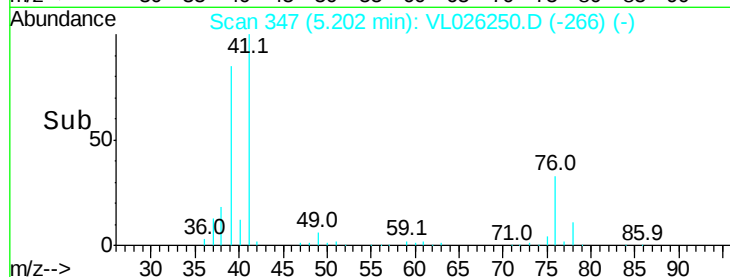
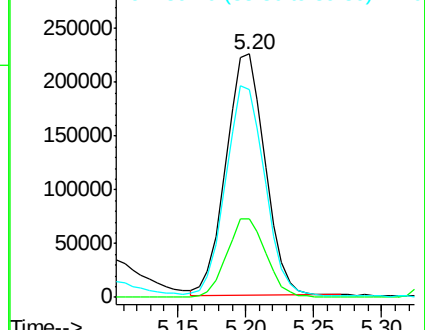
39 88.0 67.4 101.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 11.13 ppbv

RT: 5.74 min Scan# 435

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

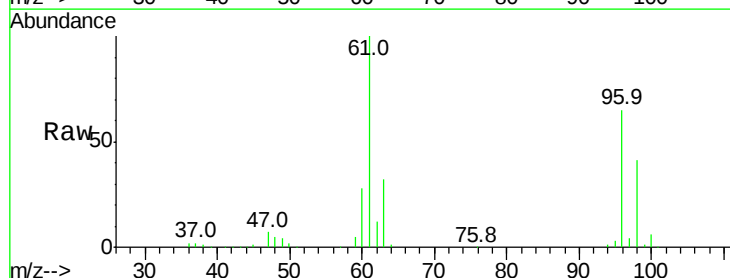
Tgt Ion: 96 Resp: 391072

Ion Ratio Lower Upper

96 100

61 153.2 121.5 182.3

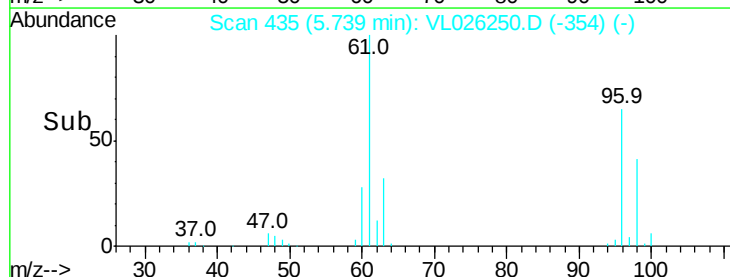
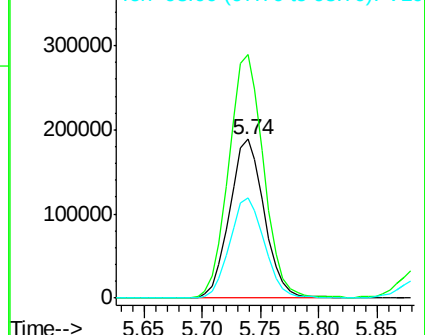
98 63.1 49.7 74.5

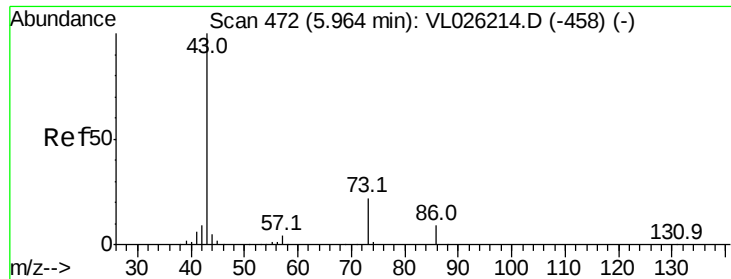


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

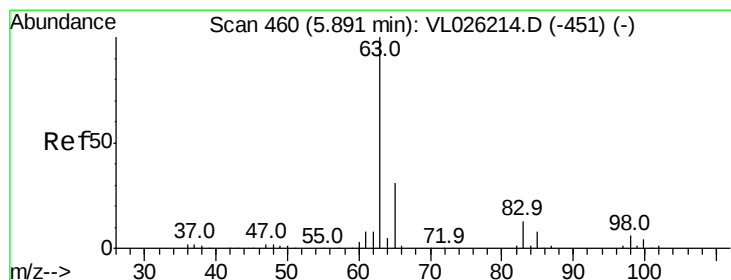
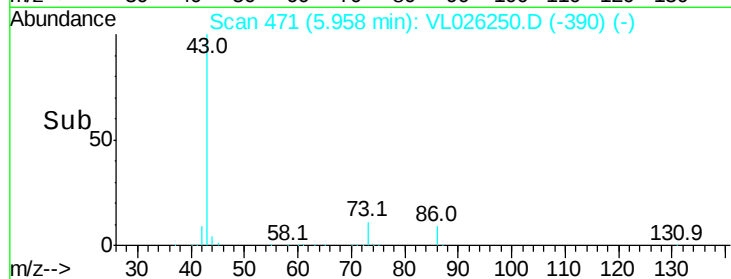
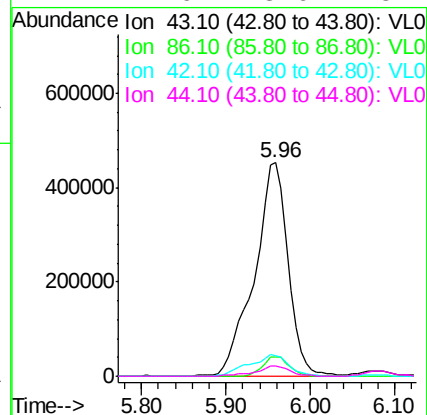
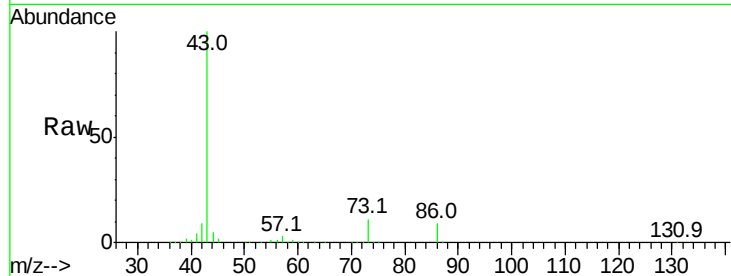




#23
 Vinyl Acetate
 Concen: 10.51 ppbv
 RT: 5.96 min Scan# 471
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

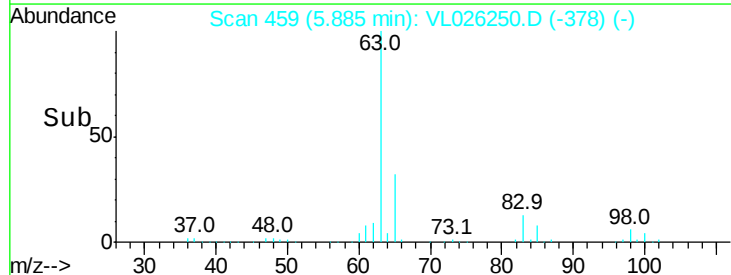
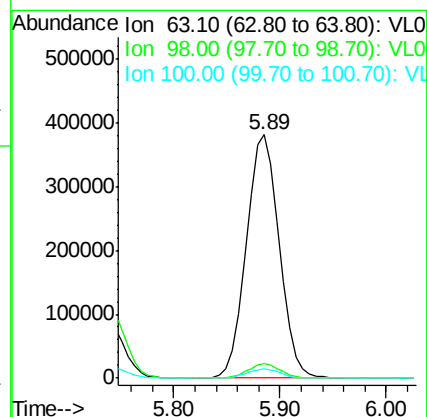
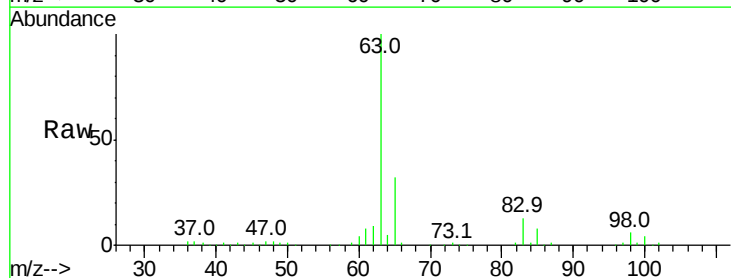
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

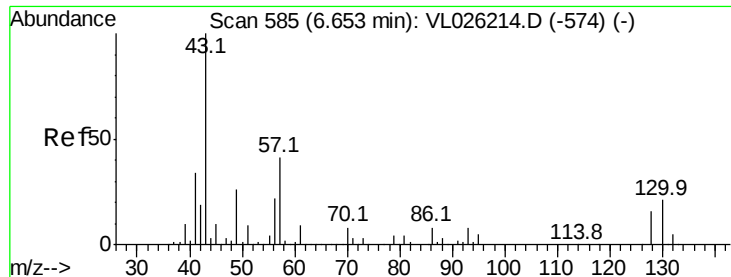
Tgt Ion:	43	Resp:	1239995
Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.0	10.6
42	9.5	7.5	11.3
44	4.6	3.6	5.4



#24
 1,1-Dichloroethane
 Concen: 11.10 ppbv
 RT: 5.89 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Tgt Ion:	63	Resp:	825655
Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.9	8.8
100	3.7	1.8	5.5



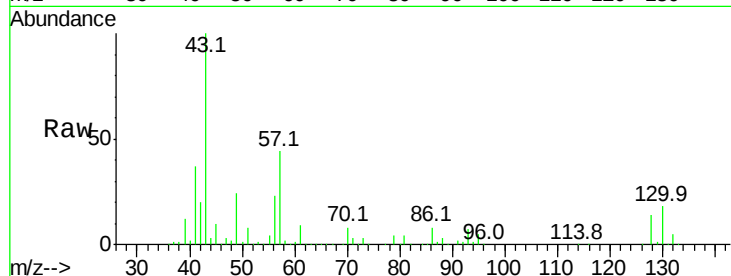


#25
Ethyl Acetate
Concen: 10.54 ppbv
RT: 6.64 min Scan# 583
Delta R.T. -0.01 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS02

Tgt Ion: 43 Resp: 1264611

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.7	11.5
61	9.2	7.5	11.3
70	8.4	6.9	10.3



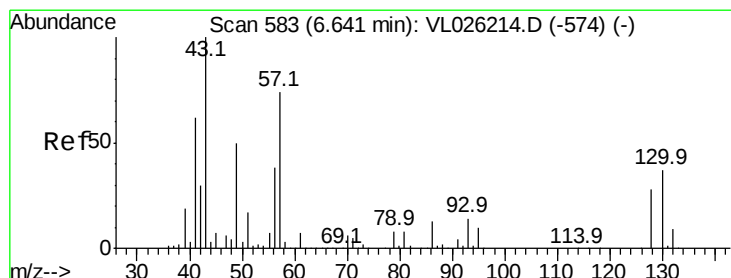
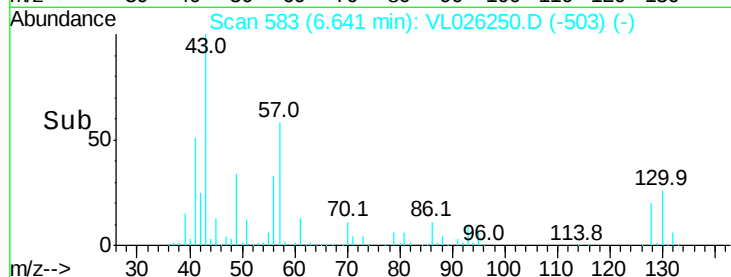
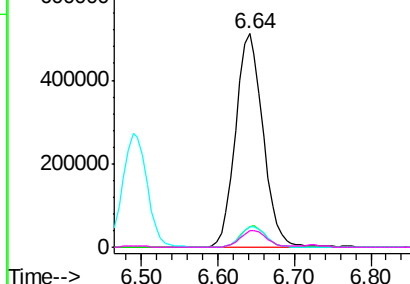
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

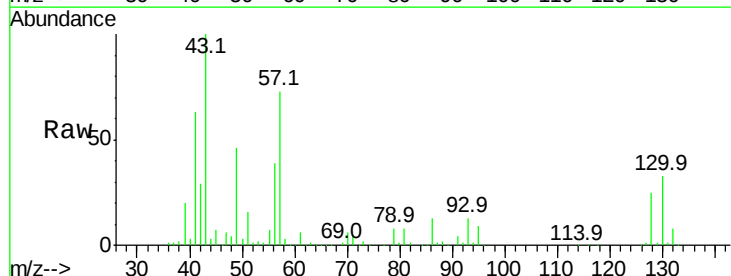
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.37 ppbv
RT: 6.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

Tgt Ion: 57 Resp: 621478

Ion	Ratio	Lower	Upper
57	100		
41	87.2	68.1	102.1
43	205.0	163.4	245.2
56	53.4	42.2	63.4



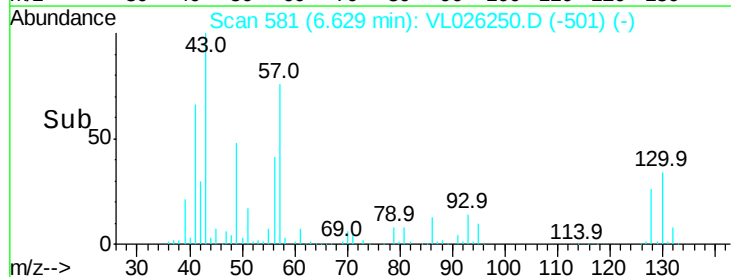
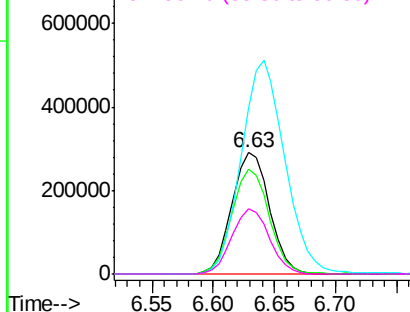
Abundance

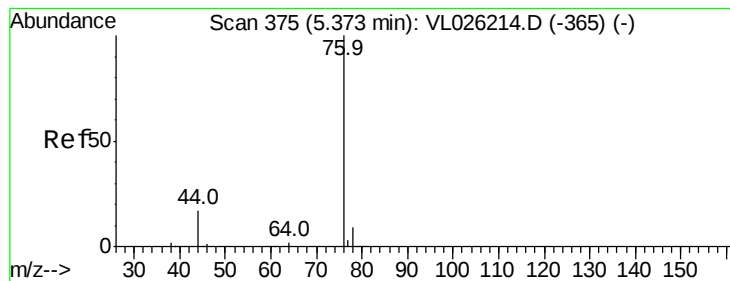
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.04 ppbv

RT: 5.36 min Scan# 373

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS02

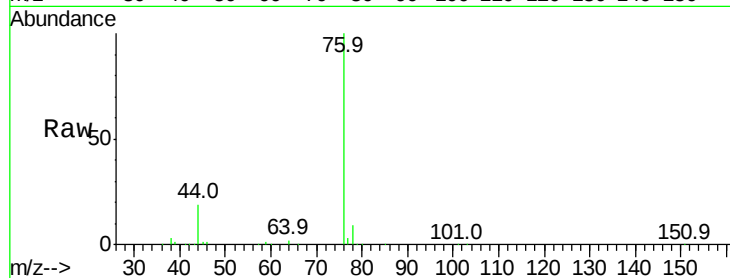
Tgt Ion: 76 Resp: 846514

Ion Ratio Lower Upper

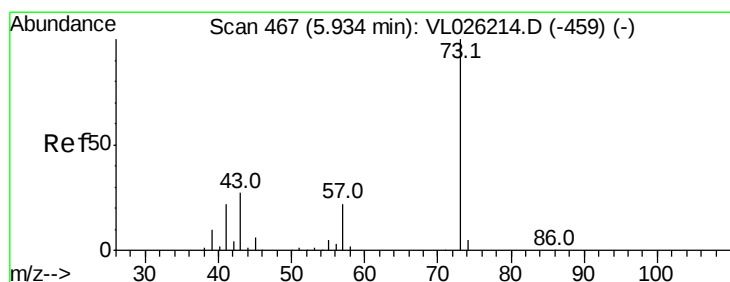
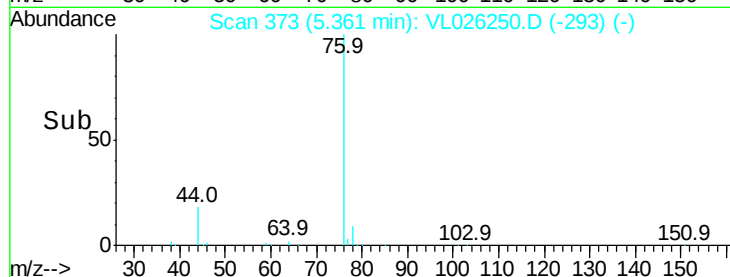
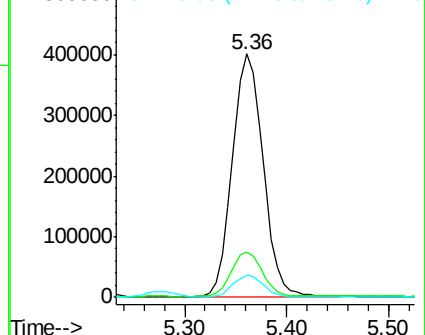
76 100

44 19.3 14.0 21.0

78 9.2 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: 10.81 ppbv

RT: 5.92 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL026250.D

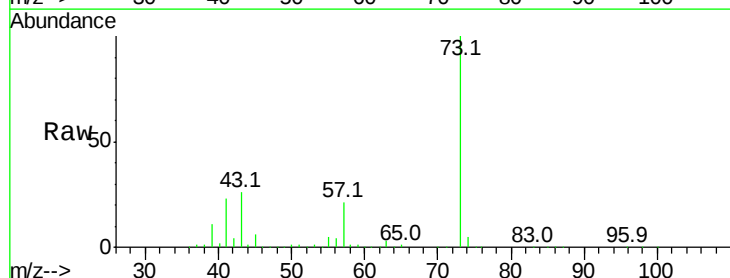
Acq: 21 Oct 2015 23:01

Tgt Ion: 73 Resp: 1178138

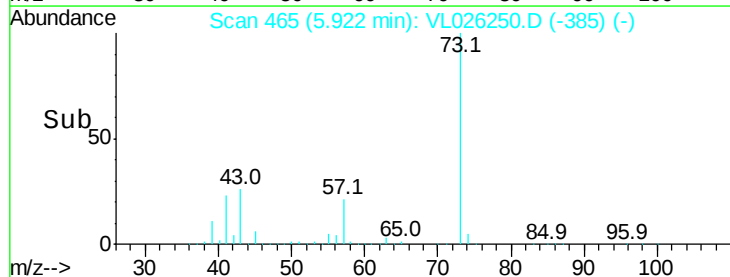
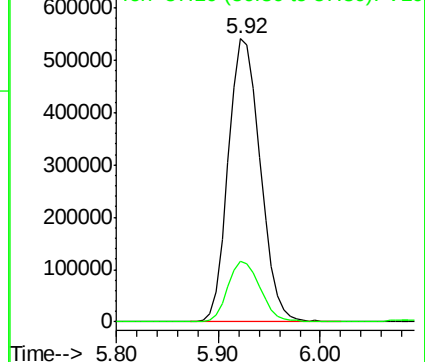
Ion Ratio Lower Upper

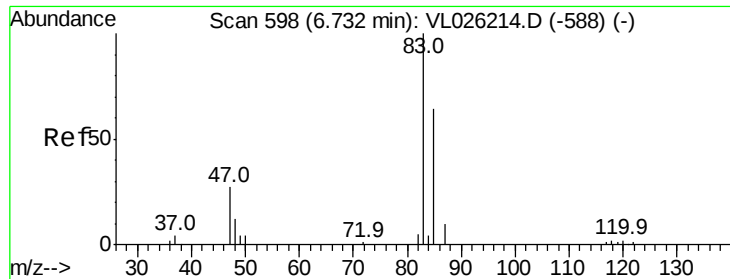
73 100

57 21.9 17.4 26.0



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

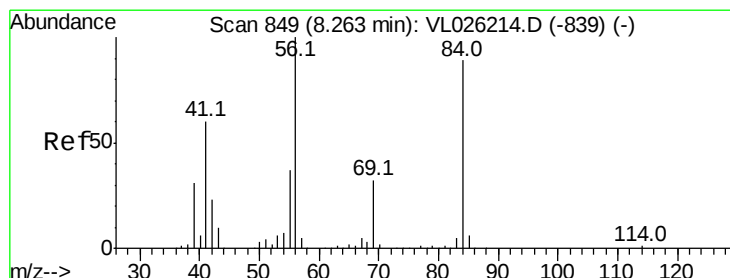
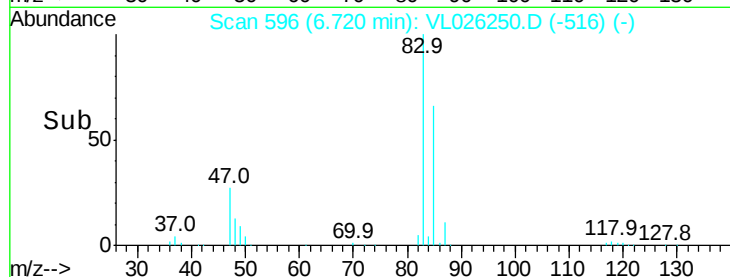
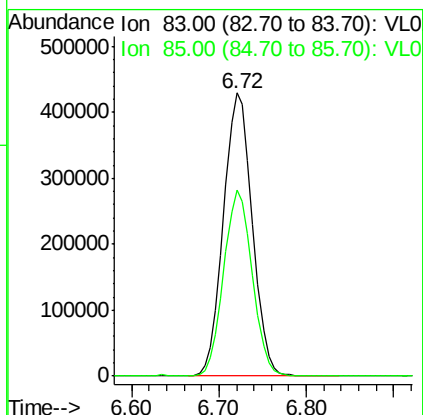
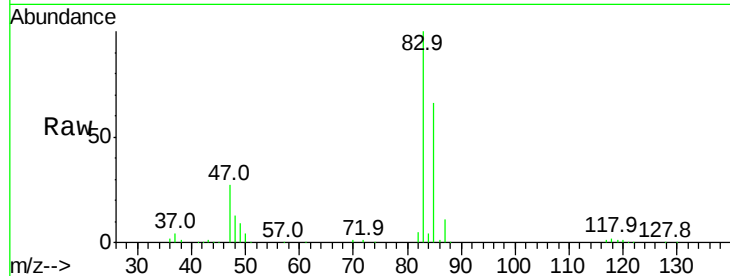




#29
Chloroform
Concen: 11.32 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

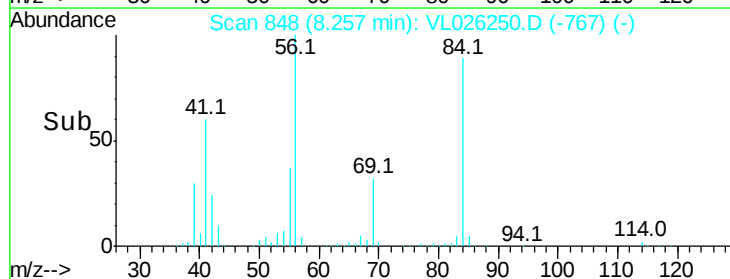
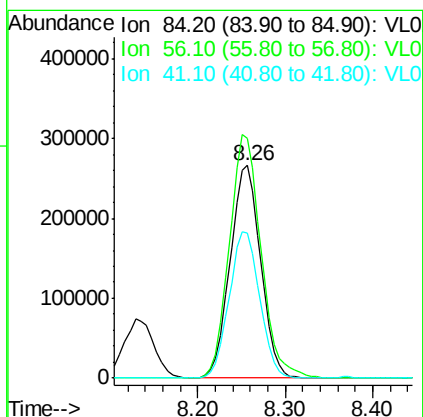
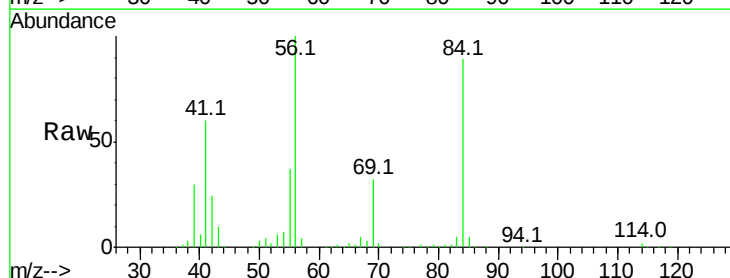
Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS02

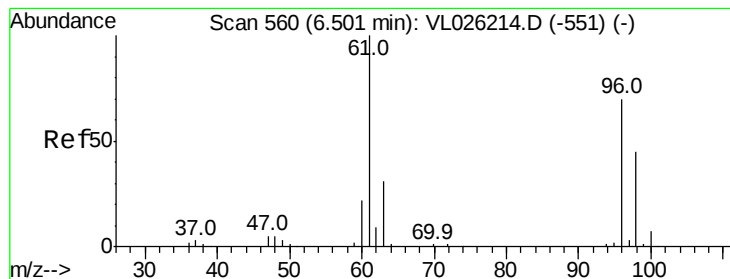
Tgt Ion: 83 Resp: 985277
Ion Ratio Lower Upper
83 100
85 65.8 51.5 77.3



#30
Cyclohexane
Concen: 10.78 ppbv
RT: 8.26 min Scan# 848
Delta R.T. -0.01 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

Tgt Ion: 84 Resp: 646209
Ion Ratio Lower Upper
84 100
56 119.2 95.9 143.9
41 69.0 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 11.14 ppbv

RT: 6.49 min Scan# 558

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS02

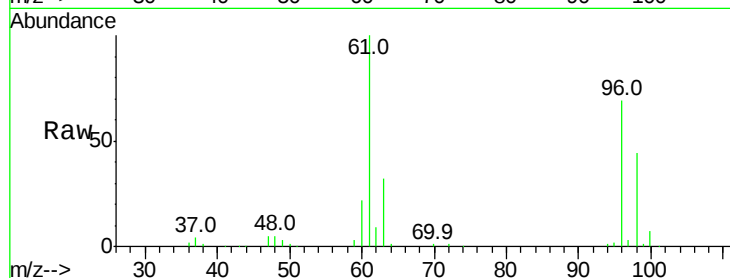
Tgt Ion: 61 Resp: 606326

Ion Ratio Lower Upper

61 100

96 69.2 56.0 84.0

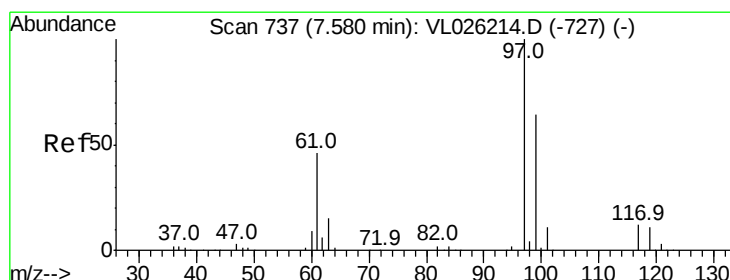
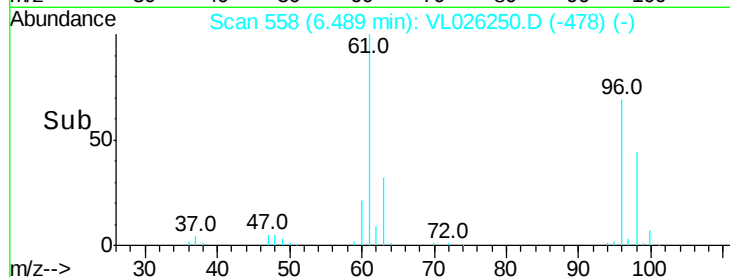
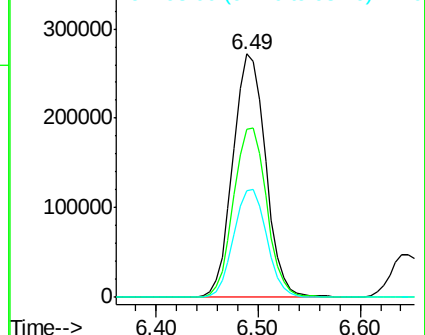
98 44.0 36.1 54.1



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: 10.68 ppbv

RT: 7.57 min Scan# 735

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

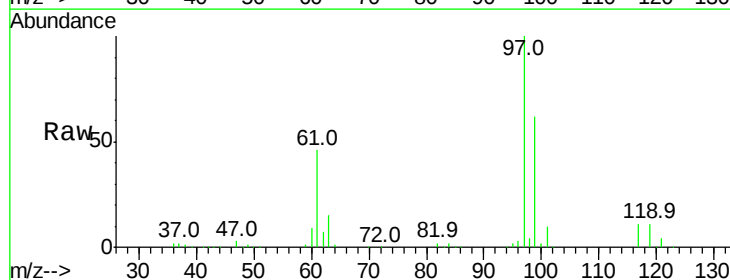
Tgt Ion: 97 Resp: 1030312

Ion Ratio Lower Upper

97 100

99 63.5 51.4 77.0

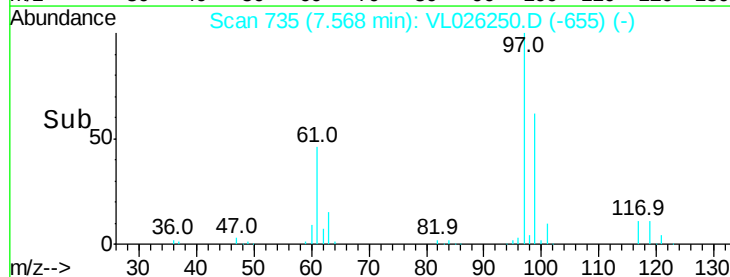
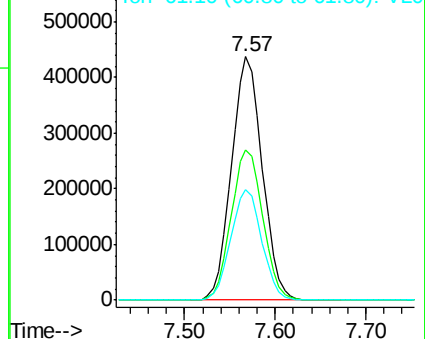
61 45.9 36.2 54.4

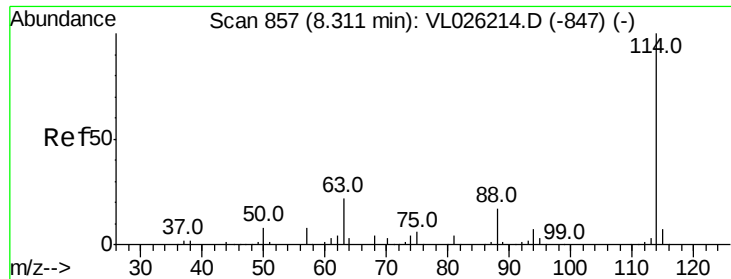


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

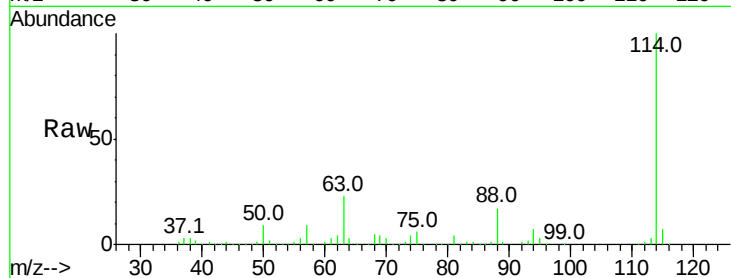




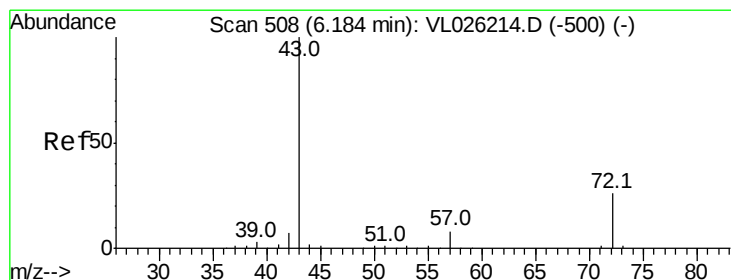
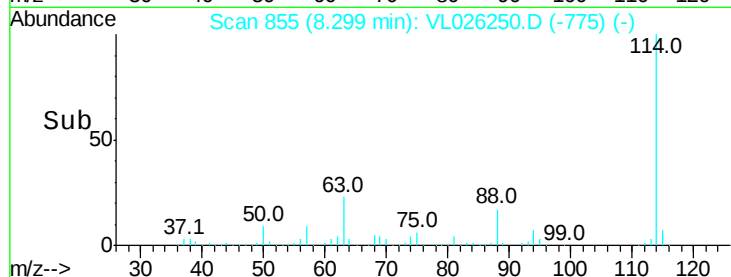
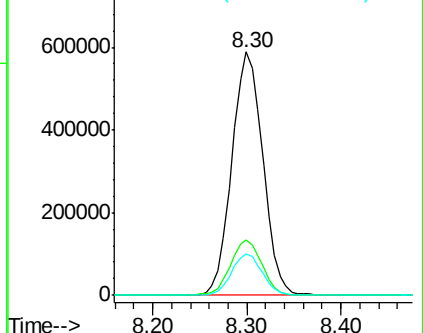
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.30 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

Tgt Ion:114 Resp: 1353558
 Ion Ratio Lower Upper
 114 100
 63 23.2 18.2 27.4
 88 16.9 13.5 20.3

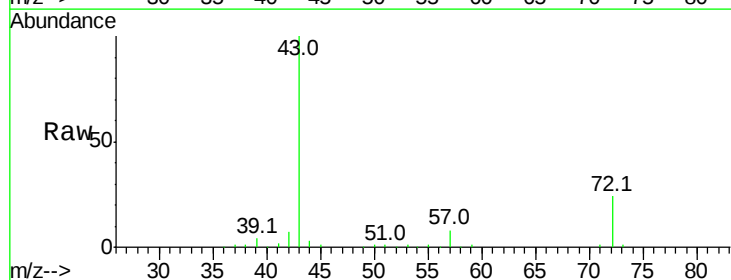


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

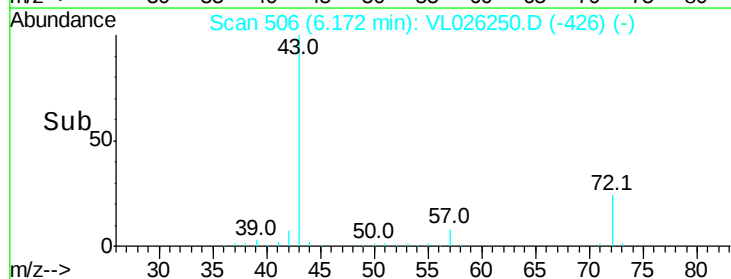
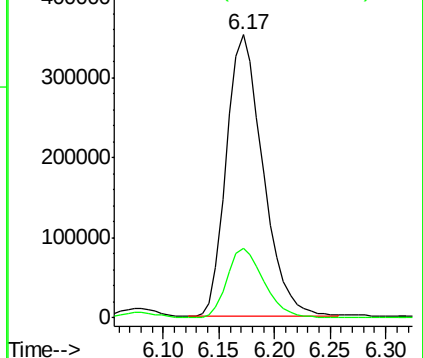


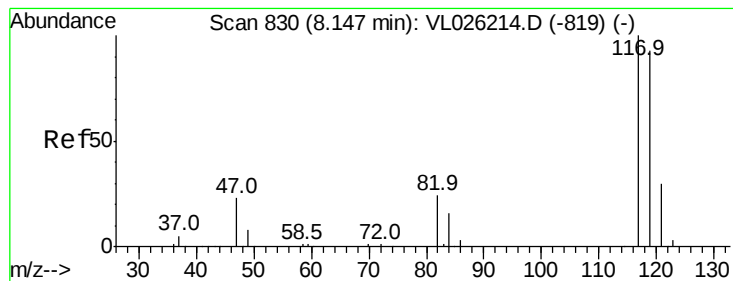
#34
 2-Butanone
 Concen: 10.49 ppbv
 RT: 6.17 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Tgt Ion: 43 Resp: 802397
 Ion Ratio Lower Upper
 43 100
 72 25.1 20.1 30.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.48 ppbv

RT: 8.13 min Scan# 828

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS02

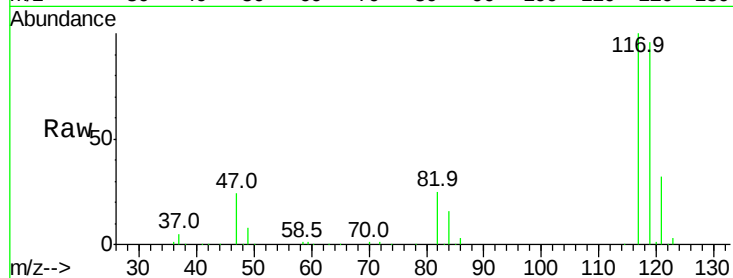
Tgt Ion:117 Resp: 1080983

Ion Ratio Lower Upper

117 100

119 95.7 74.6 111.8

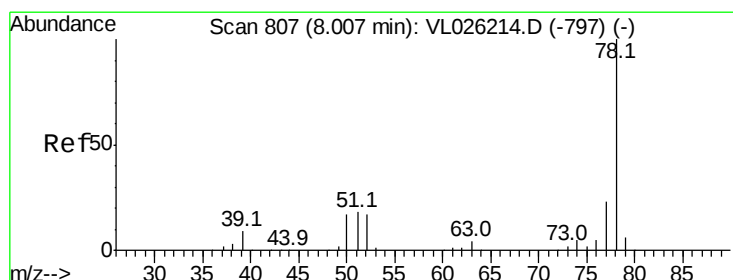
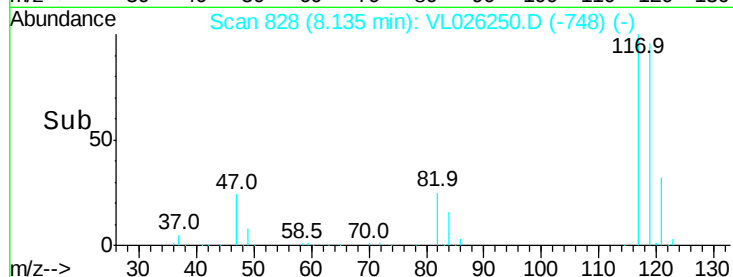
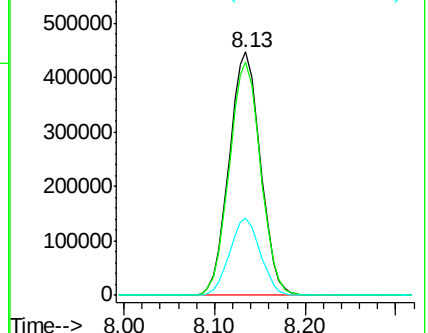
121 31.6 24.2 36.2



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: 10.42 ppbv

RT: 7.99 min Scan# 805

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

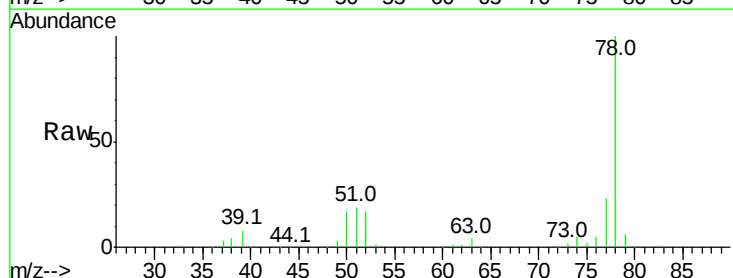
Tgt Ion: 78 Resp: 1436620

Ion Ratio Lower Upper

78 100

77 22.7 18.1 27.1

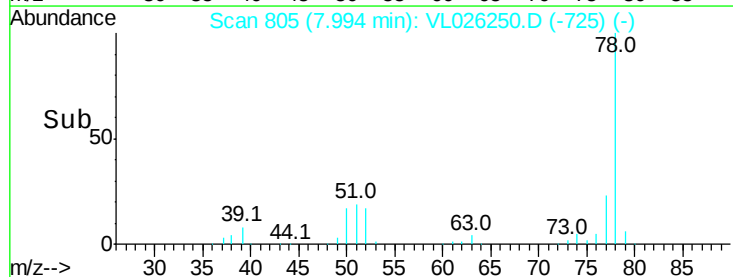
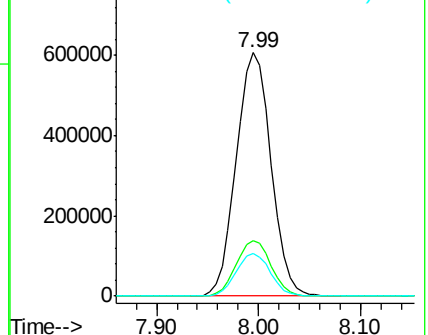
50 17.4 13.8 20.8

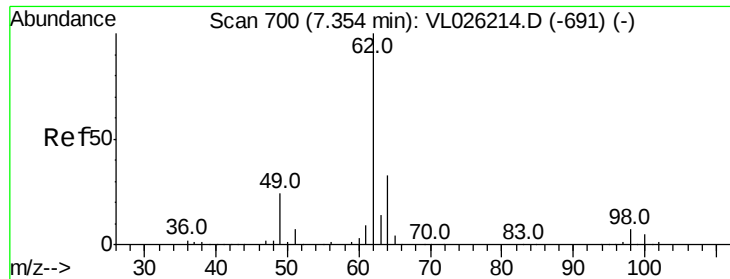


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

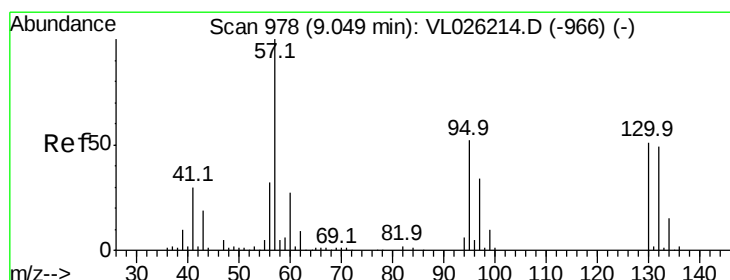
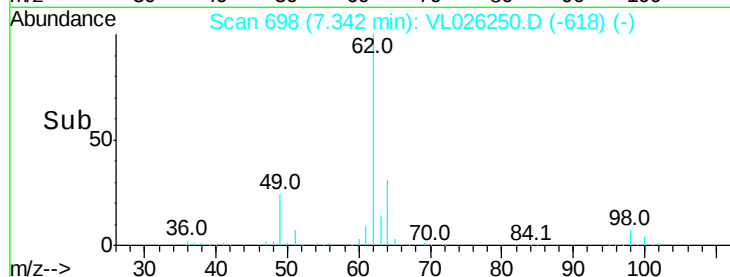
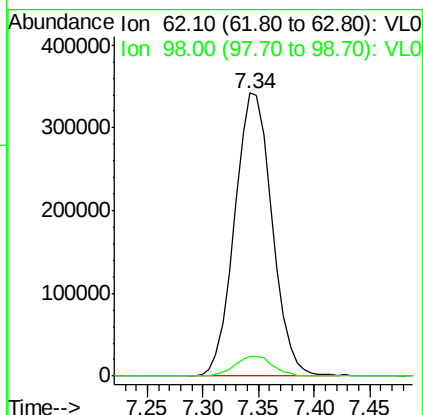
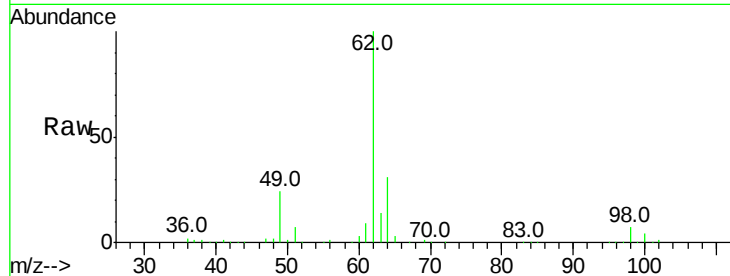




#37
 1,2-Dichloroethane
 Concen: 11.27 ppbv
 RT: 7.34 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

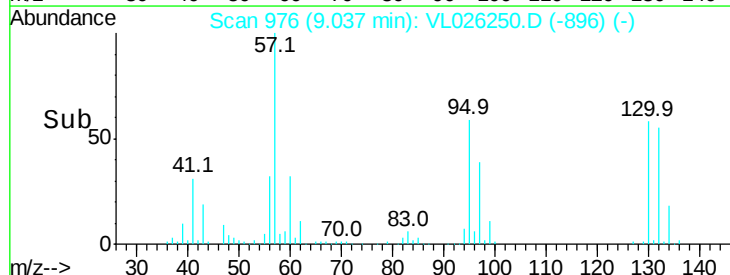
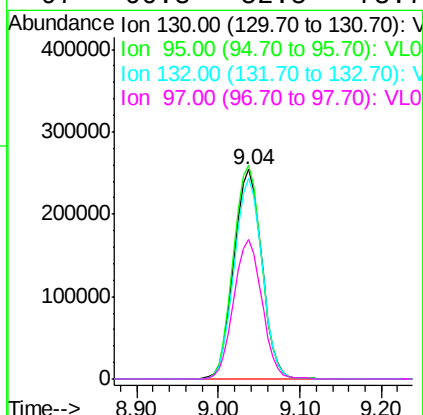
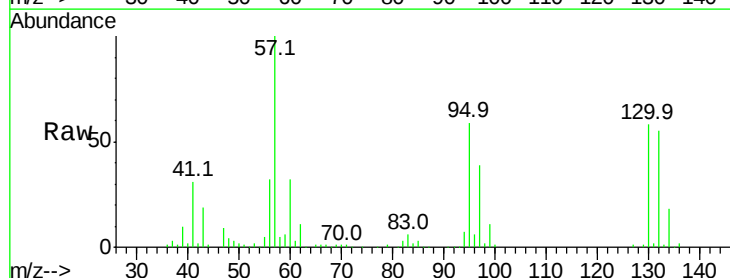
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

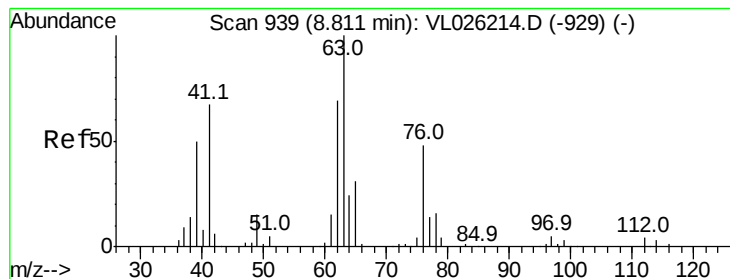
Tgt Ion: 62 Resp: 798842
 Ion Ratio Lower Upper
 62 100
 98 7.2 6.1 9.1



#38
 Trichloroethene
 Concen: 9.04 ppbv
 RT: 9.04 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Tgt Ion: 130 Resp: 604576
 Ion Ratio Lower Upper
 130 100
 95 101.8 81.0 121.4
 132 96.0 76.5 114.7
 97 66.8 52.5 78.7





#39

1,2-Dichloropropane

Concen: 10.63 ppbv

RT: 8.80 min Scan# 937

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS02

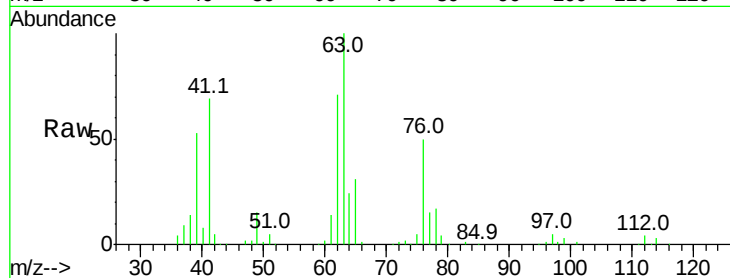
Tgt Ion: 63 Resp: 515211

Ion Ratio Lower Upper

63 100

41 69.0 53.2 79.8

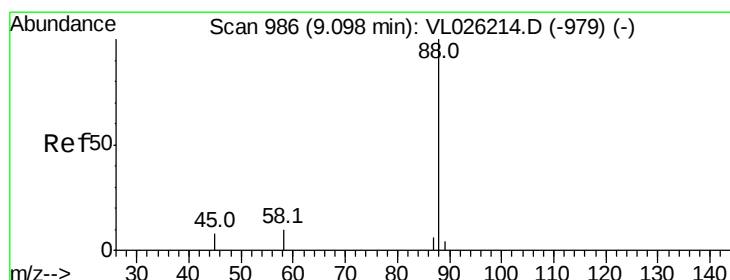
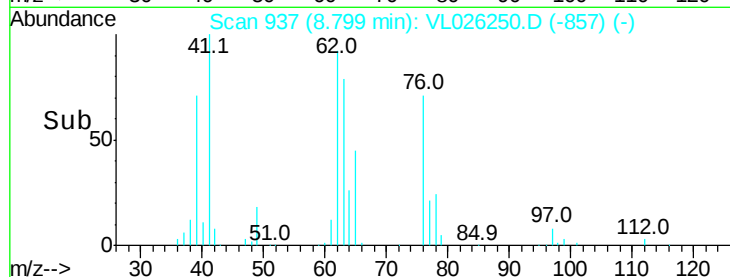
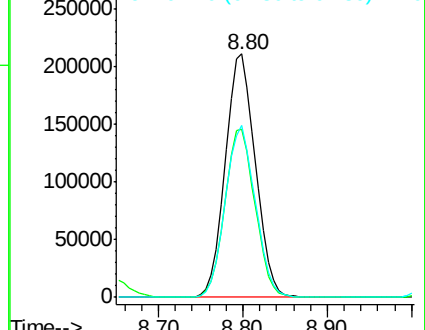
62 70.7 55.4 83.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 6.41 ppbv

RT: 9.09 min Scan# 985

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Tgt Ion: 88 Resp: 58371

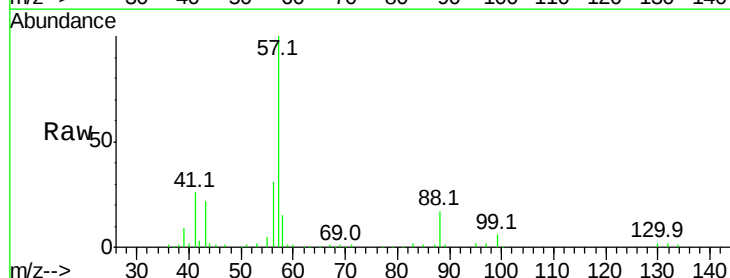
Ion Ratio Lower Upper

88 100

58 242.6 115.4 173.2#

43 744.1 272.6 409.0#

57 3825.7 1356.1 2034.1#

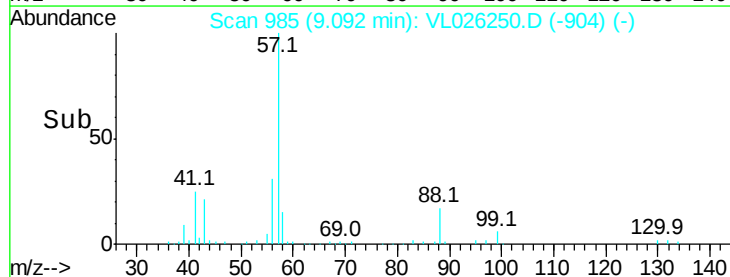
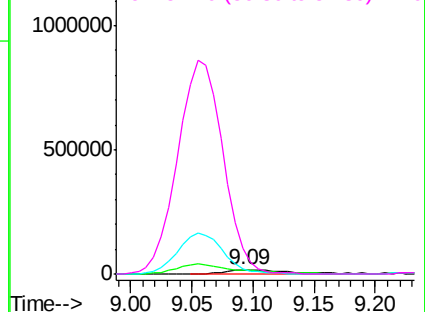


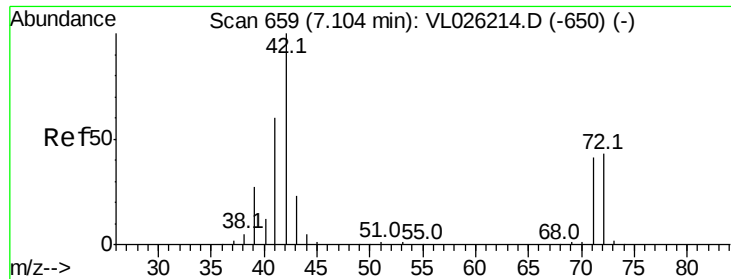
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.32 ppbv

RT: 7.09 min Scan# 657

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS02

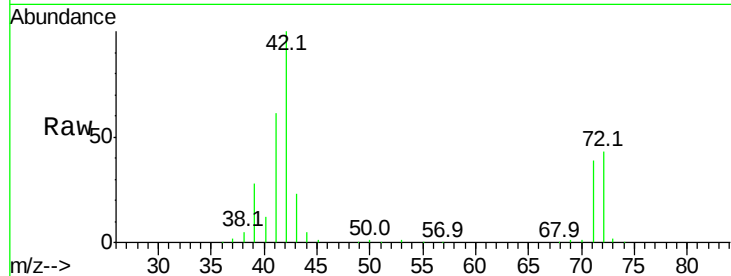
Tgt Ion: 42 Resp: 457177

Ion Ratio Lower Upper

42 100

72 42.5 34.3 51.5

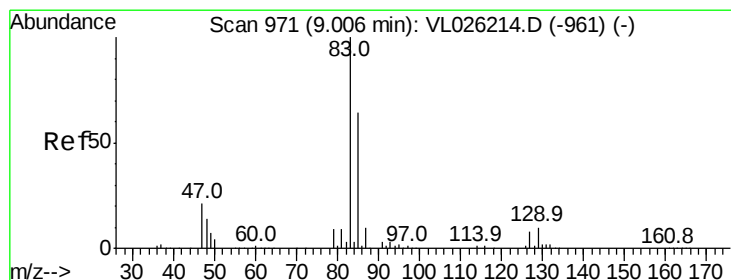
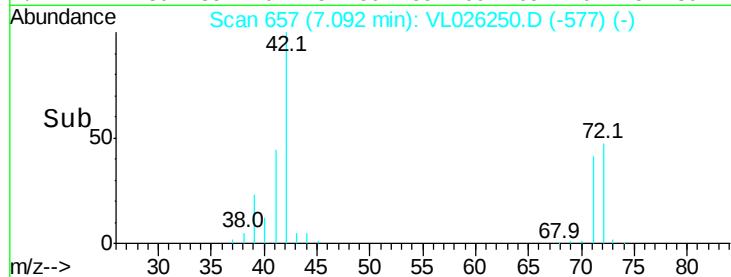
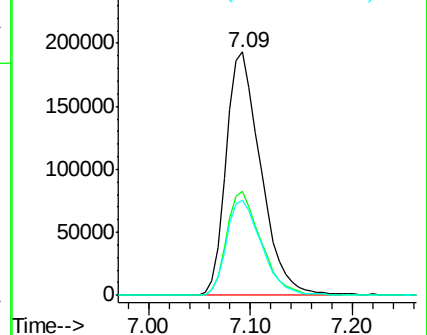
71 39.7 32.1 48.1



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.89 ppbv

RT: 8.99 min Scan# 969

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

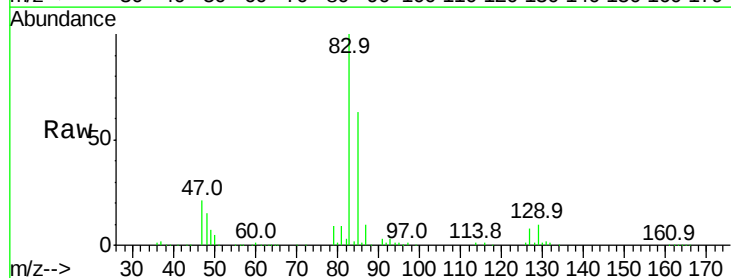
Tgt Ion: 83 Resp: 1109899

Ion Ratio Lower Upper

83 100

85 63.4 50.9 76.3

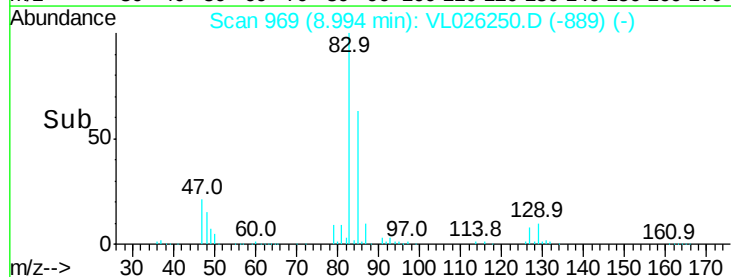
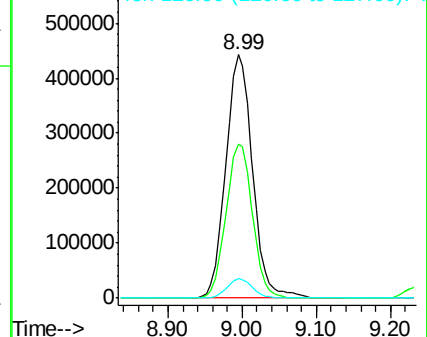
127 8.1 6.2 9.4

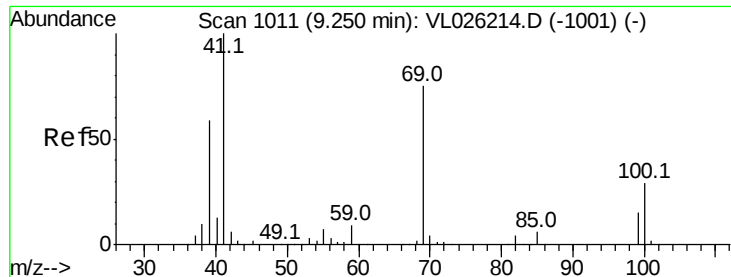


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

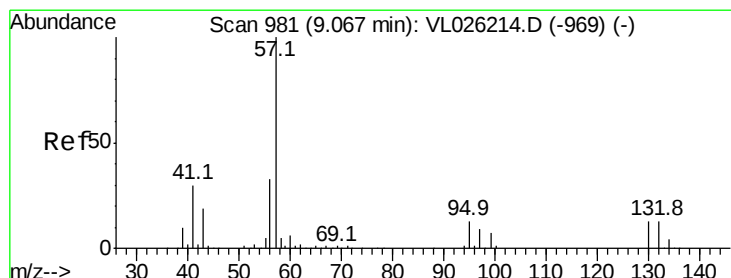
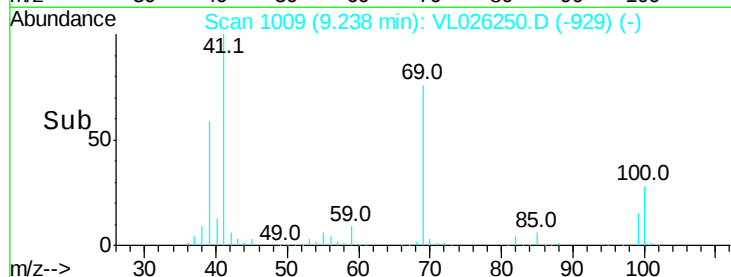
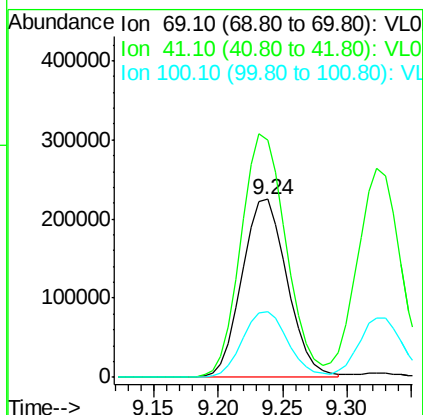
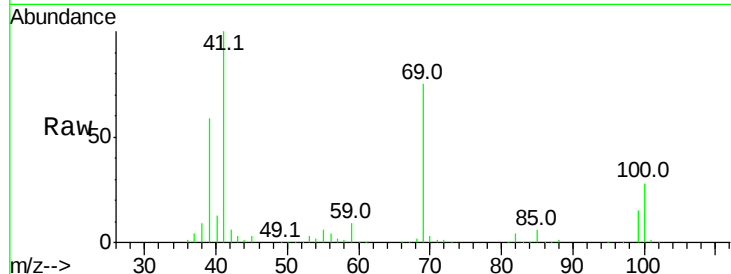




#43
Methyl Methacrylate
Concen: 10.97 ppbv
RT: 9.24 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

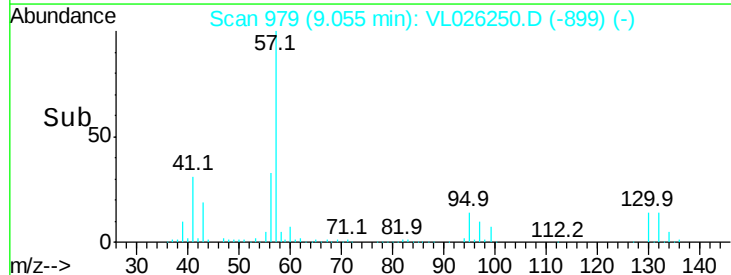
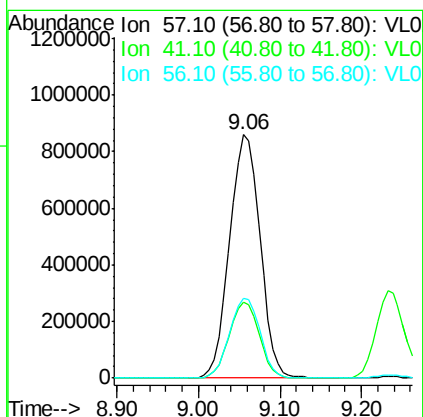
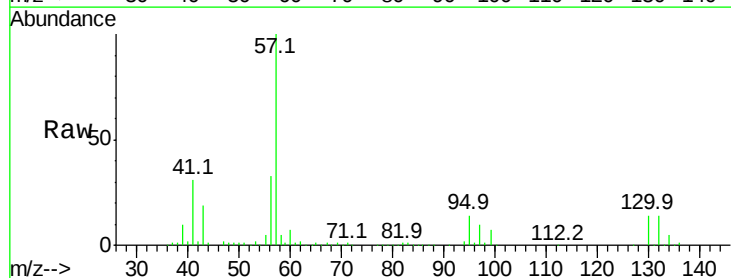
Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS02

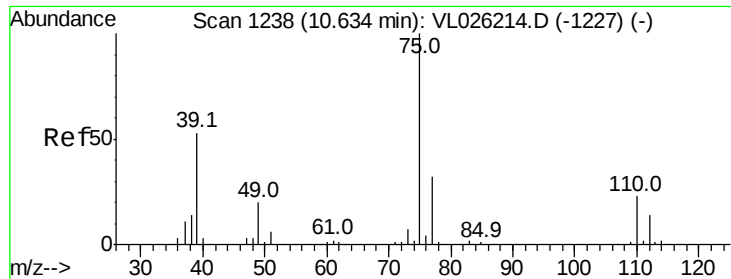
Tgt Ion: 69 Resp: 550347
Ion Ratio Lower Upper
69 100
41 136.6 108.4 162.6
100 37.4 30.6 45.8



#44
2,2,4-Trimethylpentane
Concen: 10.00 ppbv
RT: 9.06 min Scan# 979
Delta R.T. -0.01 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

Tgt Ion: 57 Resp: 2231234
Ion Ratio Lower Upper
57 100
41 30.5 23.7 35.5
56 32.7 25.9 38.9

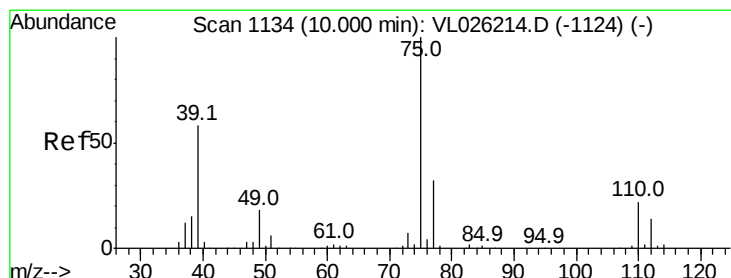
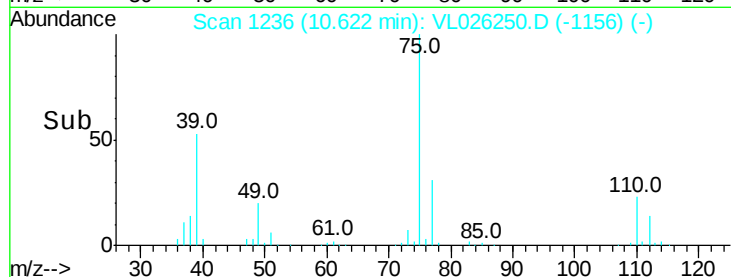
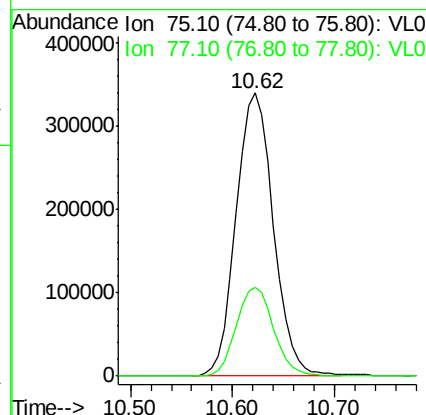
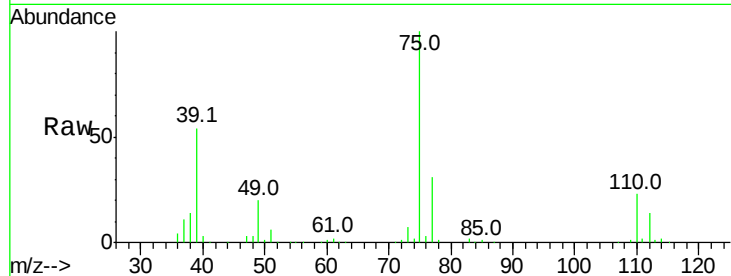




#45
 t-1,3-Dichloropropene
 Concen: 11.01 ppbv
 RT: 10.62 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

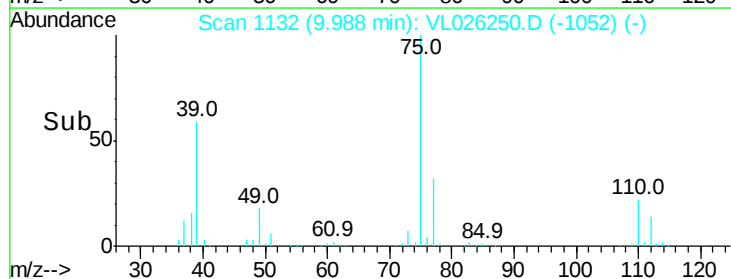
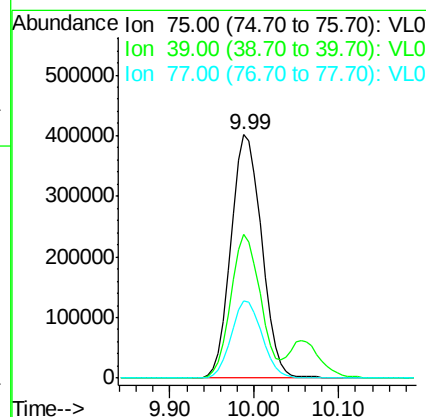
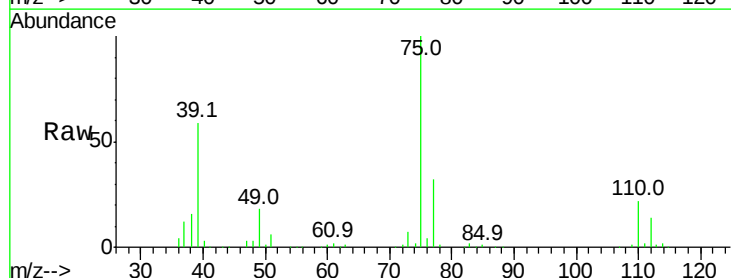
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

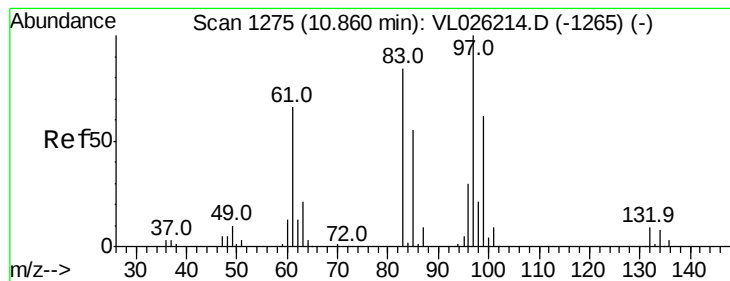
Tgt Ion: 75 Resp: 862300
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.2 37.8



#46
 cis-1,3-Dichloropropene
 Concen: 10.89 ppbv
 RT: 9.99 min Scan# 1132
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Tgt Ion: 75 Resp: 998093
 Ion Ratio Lower Upper
 75 100
 39 58.9 46.2 69.4
 77 31.8 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 10.82 ppbv

RT: 10.85 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS02

Tgt Ion: 97 Resp: 659432

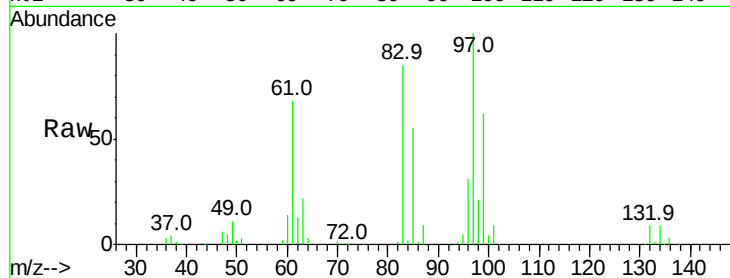
Ion Ratio Lower Upper

97 100

83 85.1 67.4 101.2

85 54.7 43.8 65.6

99 61.9 49.8 74.6

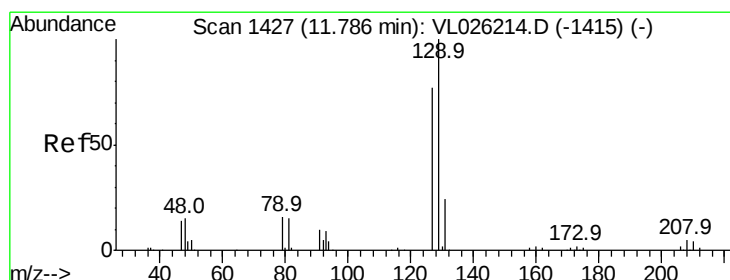
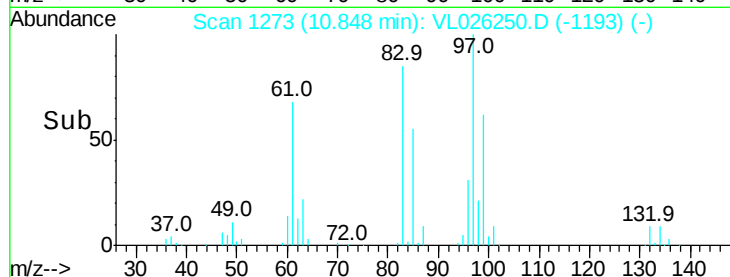
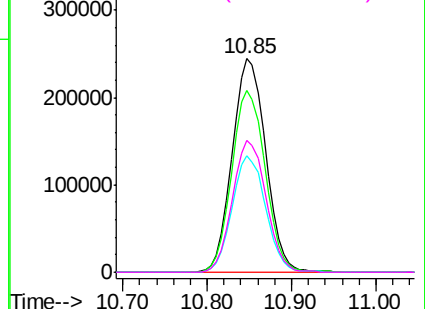


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.67 ppbv

RT: 11.77 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VL026250.D

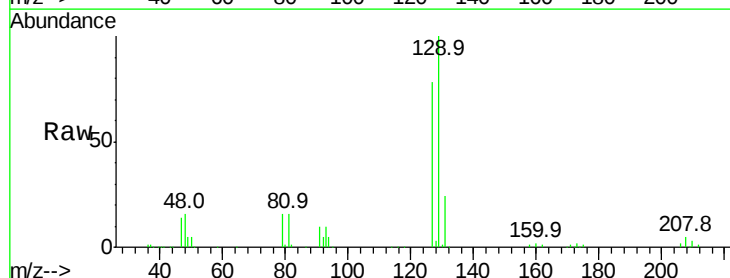
Acq: 21 Oct 2015 23:01

Tgt Ion: 129 Resp: 1059481

Ion Ratio Lower Upper

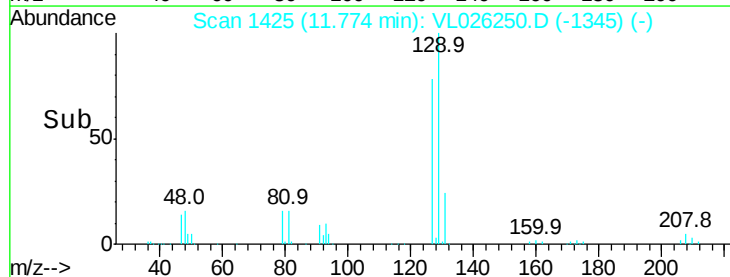
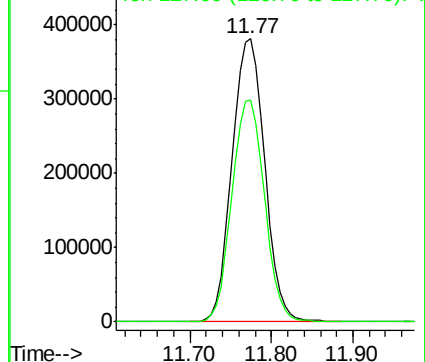
129 100

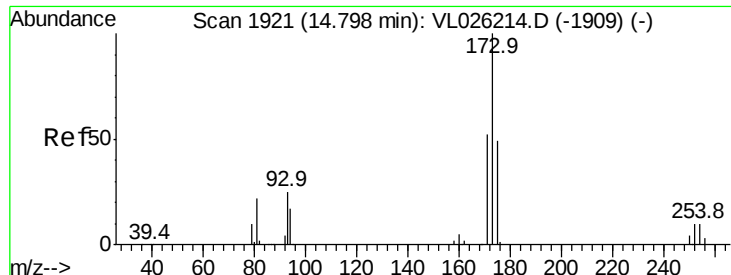
127 78.6 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.22 ppbv

RT: 14.79 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS02

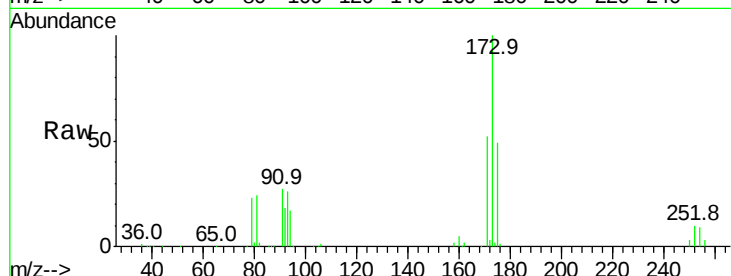
Tgt Ion:173 Resp: 857073

Ion Ratio Lower Upper

173 100

175 48.8 38.7 58.1

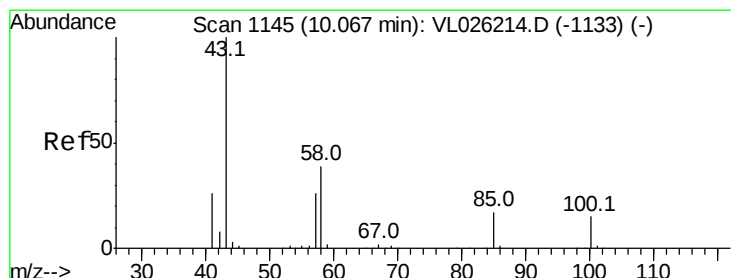
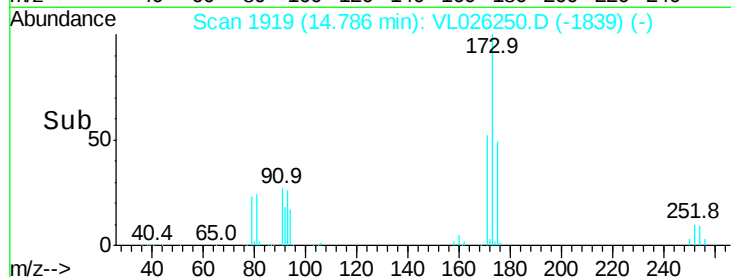
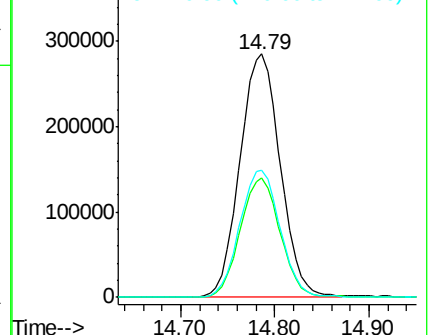
171 52.7 41.6 62.4



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: 11.01 ppbv

RT: 10.06 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VL026250.D

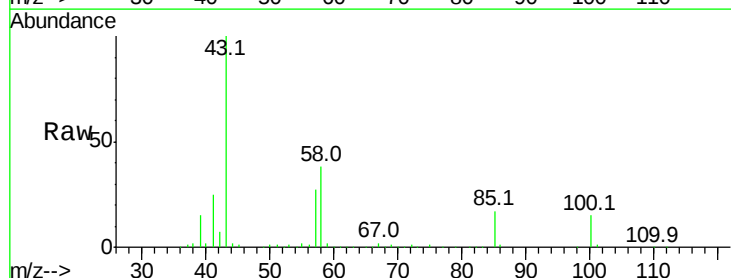
Acq: 21 Oct 2015 23:01

Tgt Ion: 43 Resp: 1137460

Ion Ratio Lower Upper

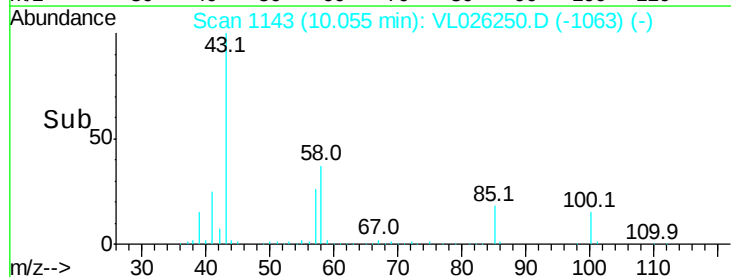
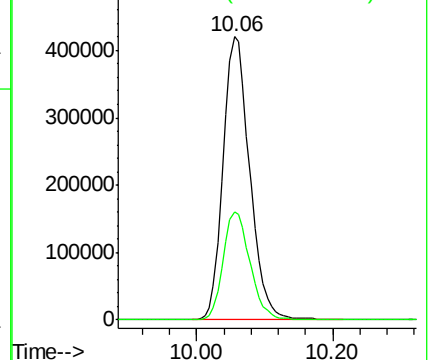
43 100

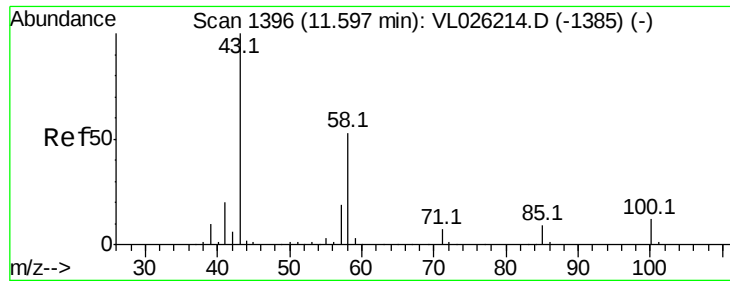
58 38.6 31.1 46.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

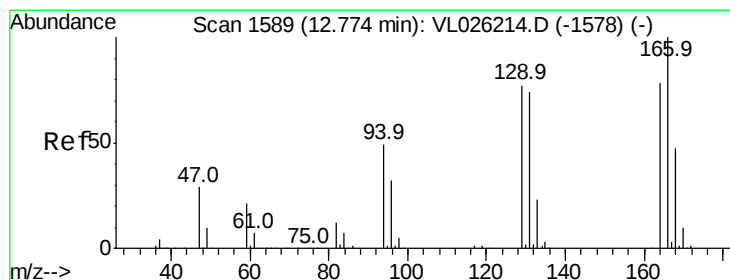
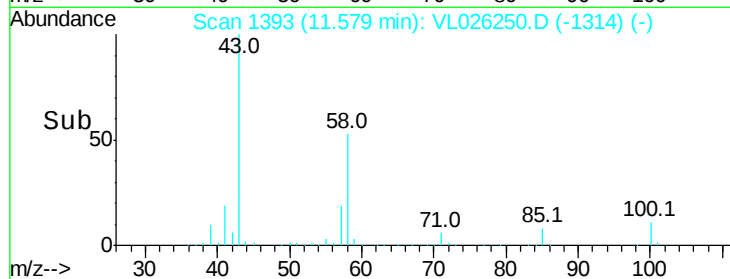
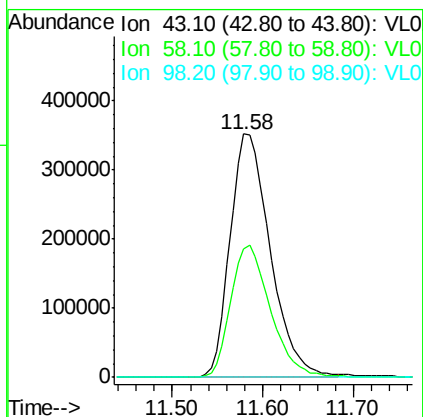
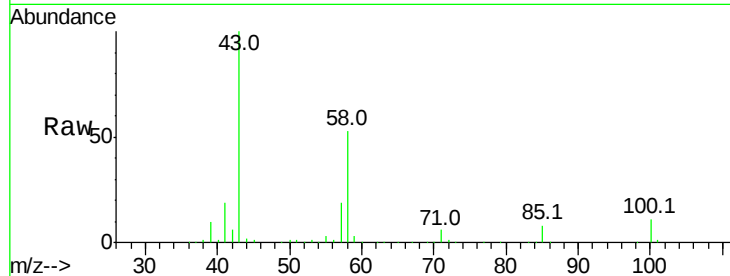




#51
2-Hexanone
Concen: 11.23 ppbv
RT: 11.58 min Scan# 1393
Delta R.T. -0.02 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

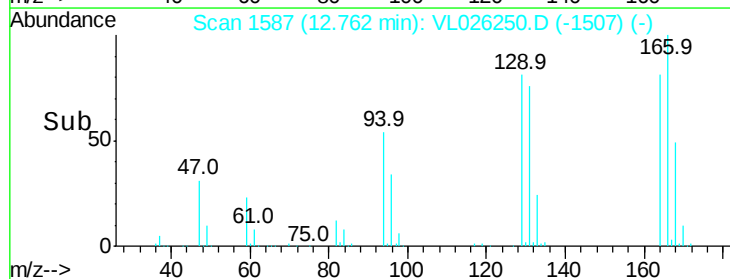
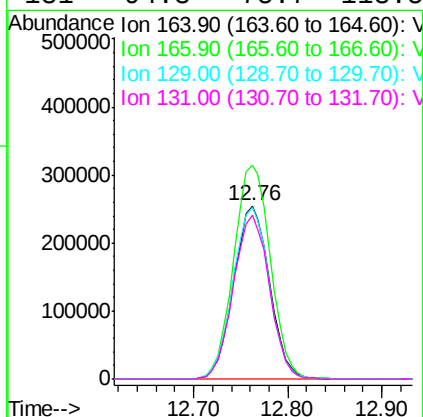
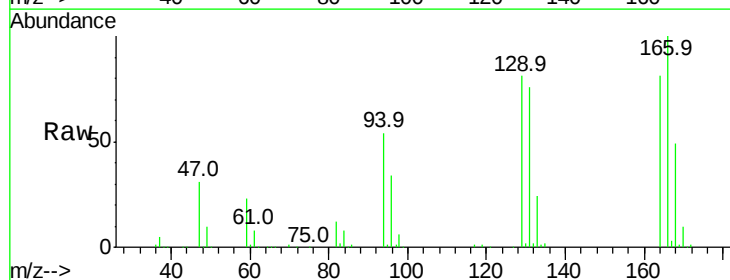
Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS02

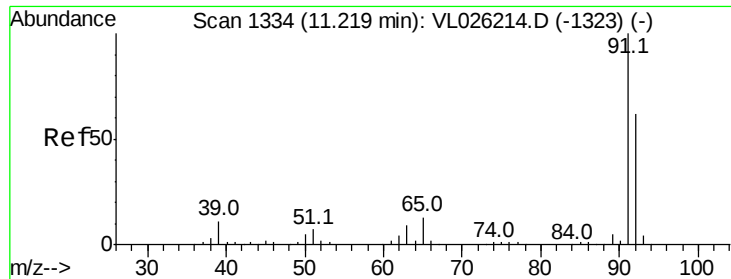
Tgt Ion: 43 Resp: 1083474
Ion Ratio Lower Upper
43 100
58 54.2 43.2 64.8
98 0.1 0.0 0.0#



#52
Tetrachloroethene
Concen: 8.59 ppbv
RT: 12.76 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

Tgt Ion: 164 Resp: 678852
Ion Ratio Lower Upper
164 100
166 123.3 102.3 153.5
129 99.4 78.2 117.4
131 94.3 75.7 113.5





#53

Toluene

Concen: 10.42 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

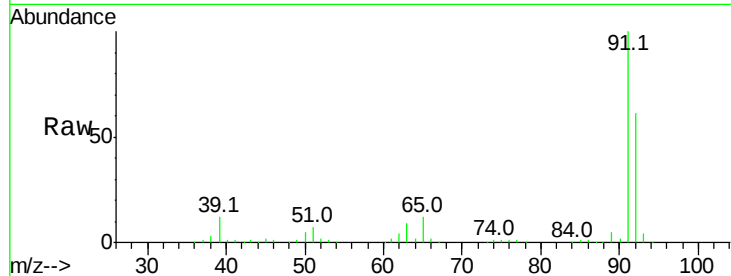
VL1021ABS02

Tgt Ion: 91 Resp: 1953083

Ion Ratio Lower Upper

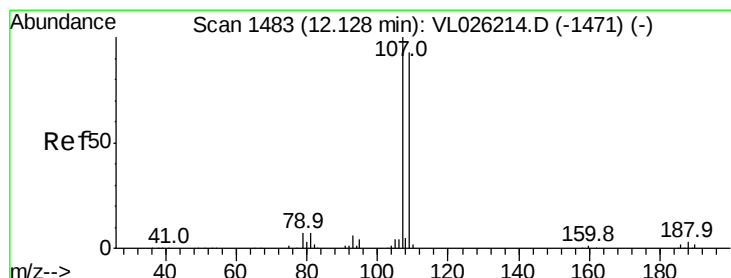
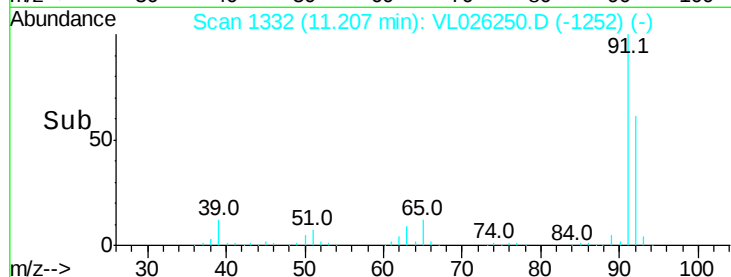
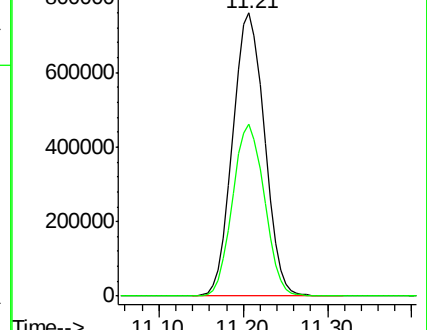
91 100

92 60.9 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.87 ppbv

RT: 12.11 min Scan# 1480

Delta R.T. -0.02 min

Lab File: VL026250.D

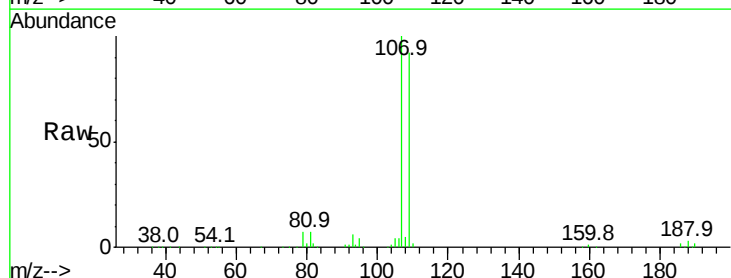
Acq: 21 Oct 2015 23:01

Tgt Ion: 107 Resp: 1024942

Ion Ratio Lower Upper

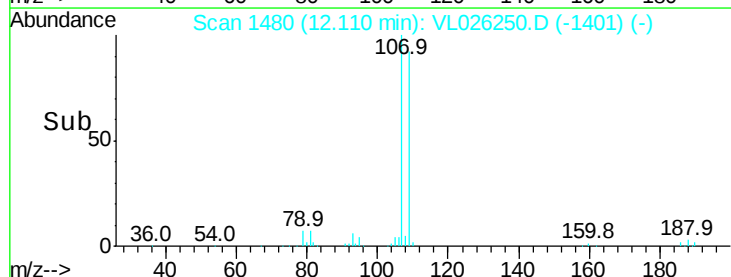
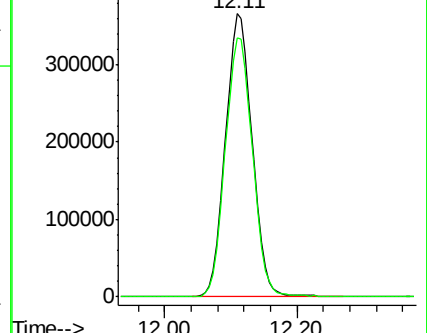
107 100

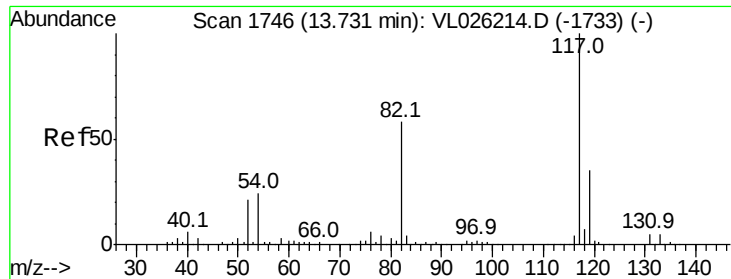
109 91.5 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

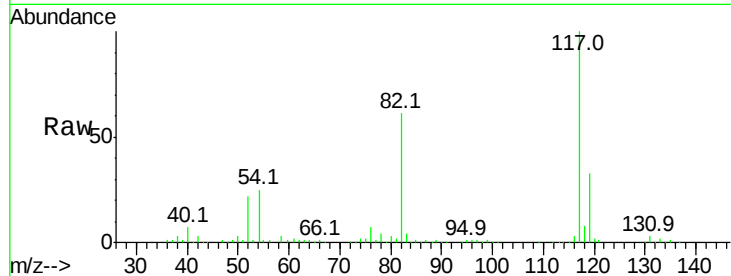




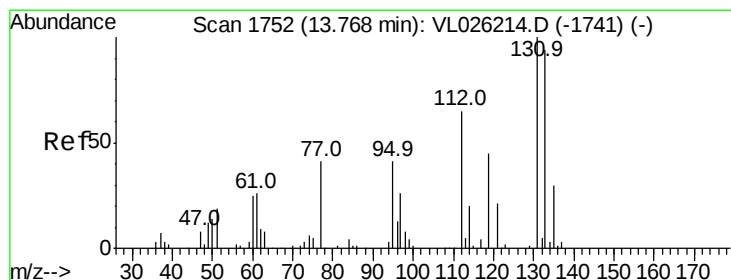
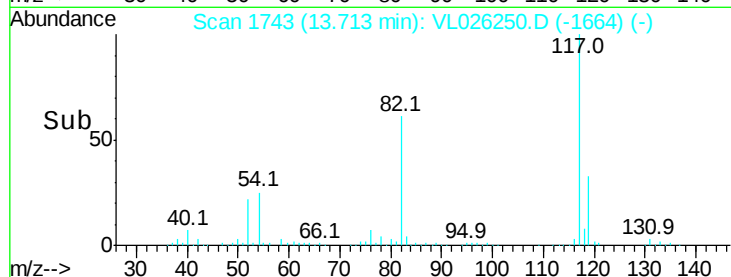
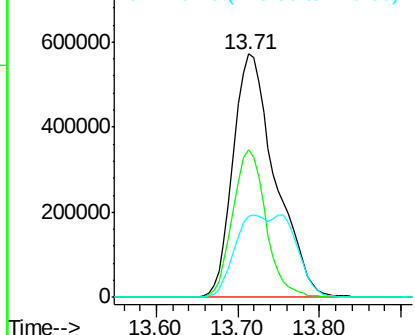
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.02 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS02

Tgt Ion:117 Resp: 2055595
Ion Ratio Lower Upper
117 100
82 48.1 45.8 68.8
119 48.2 45.0 67.4

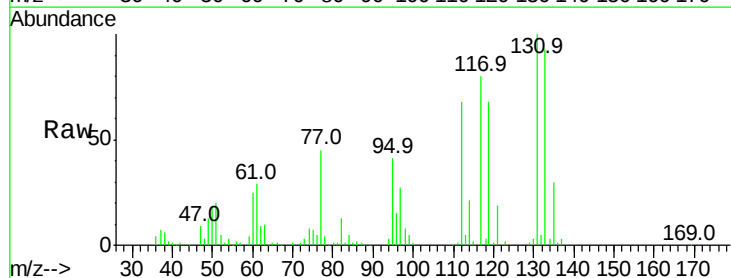


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

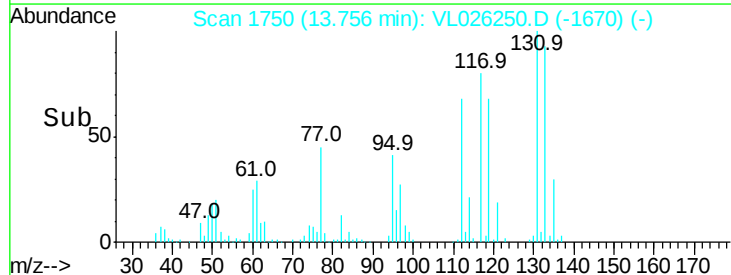
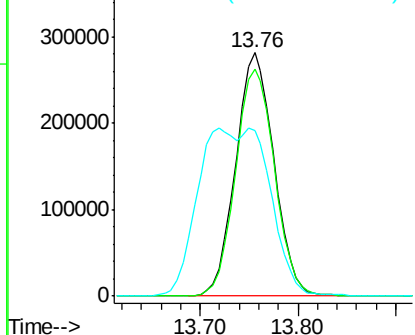


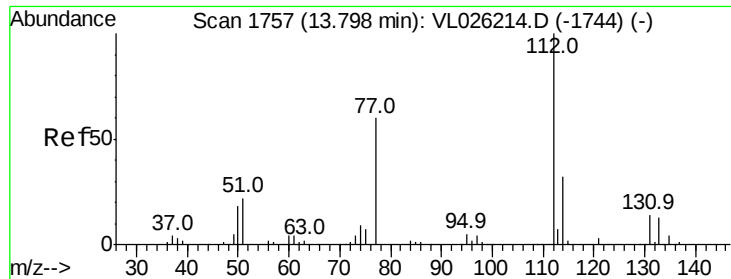
#56
1,1,1,2-Tetrachloroethane
Concen: 7.75 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

Tgt Ion:131 Resp: 764574
Ion Ratio Lower Upper
131 100
133 95.5 75.9 113.9
119 129.7 108.0 162.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

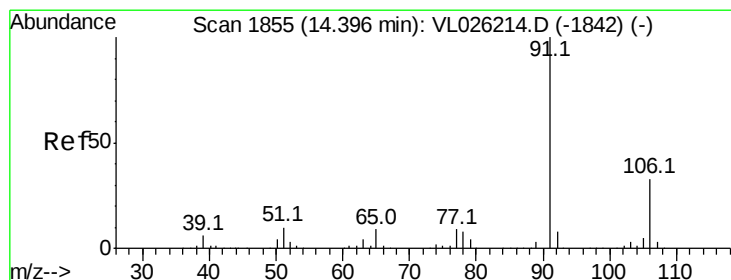
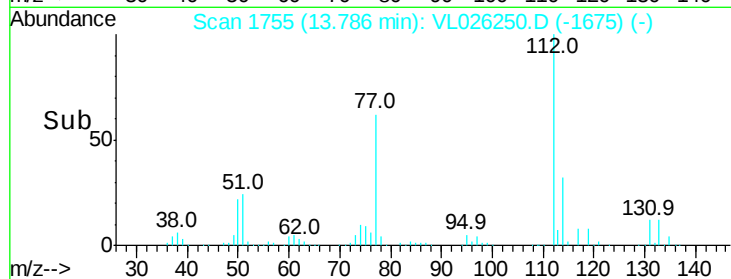
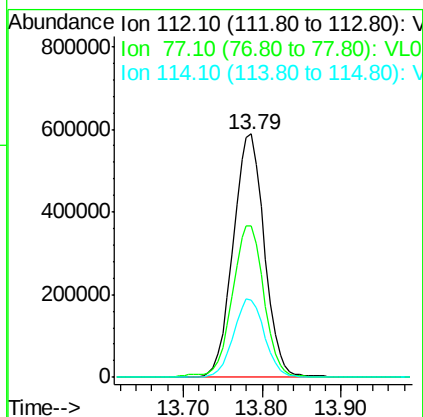
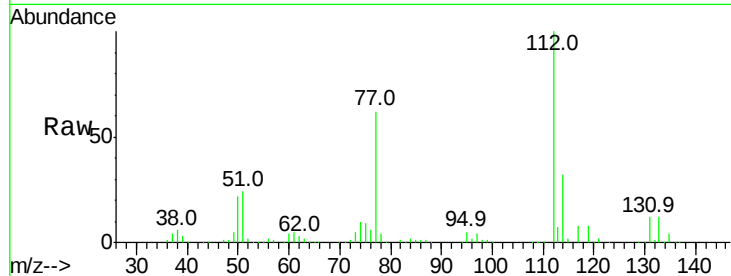




#57
Chlorobenzene
Concen: 8.24 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

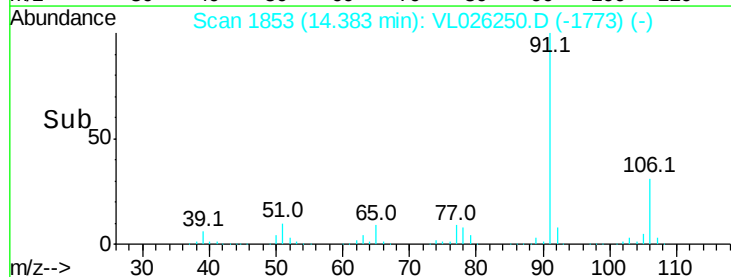
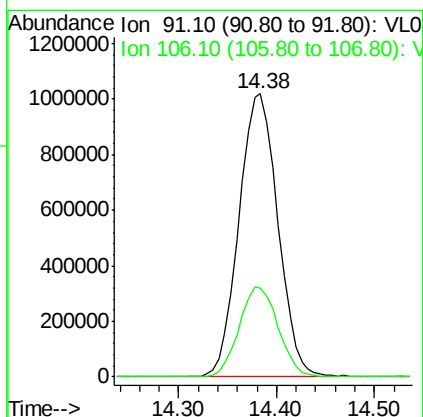
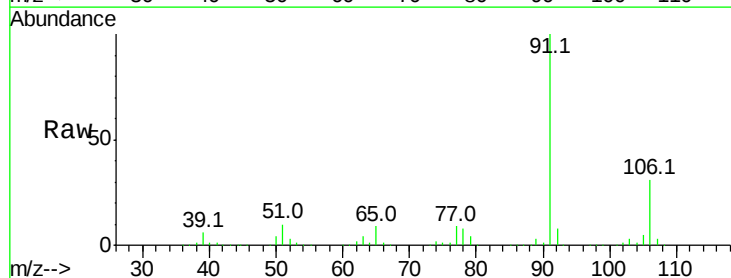
Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS02

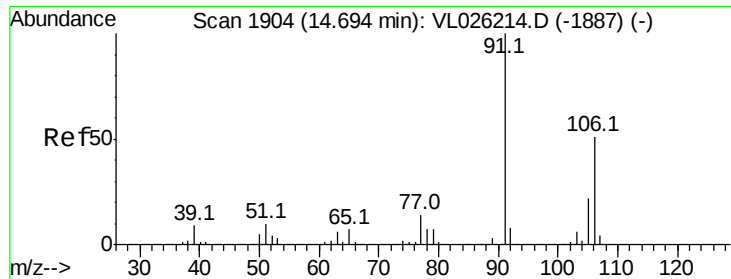
Tgt Ion: 112 Resp: 1621921
Ion Ratio Lower Upper
112 100
77 62.2 48.4 72.6
114 31.9 29.0 35.4



#58
Ethyl Benzene
Concen: 8.44 ppbv
RT: 14.38 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

Tgt Ion: 91 Resp: 2810037
Ion Ratio Lower Upper
91 100
106 31.3 26.1 39.1

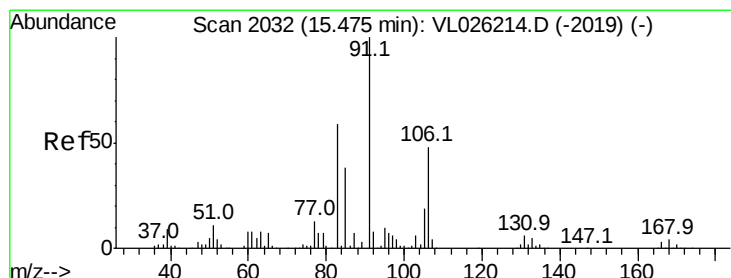
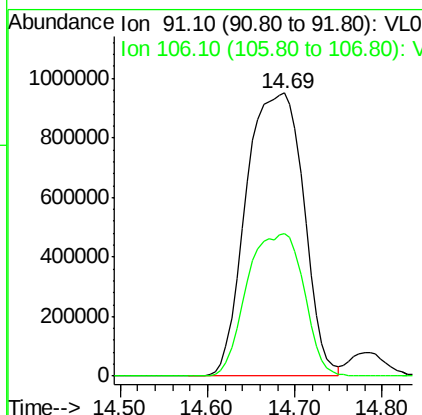
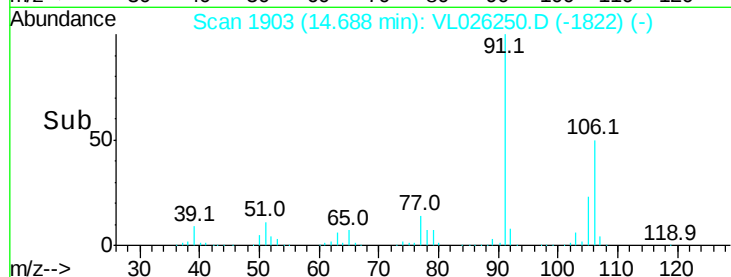
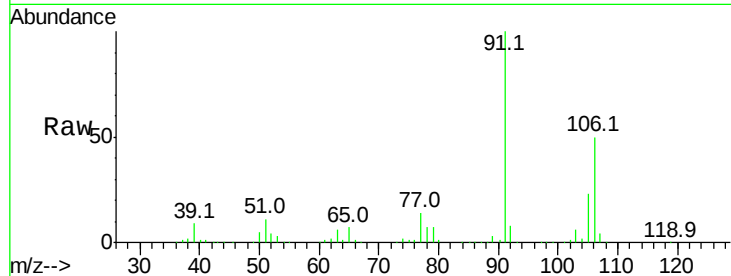




#59
m/p-Xylene
Concen: 16.61 ppbv
RT: 14.69 min Scan# 1903
Delta R.T. -0.01 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

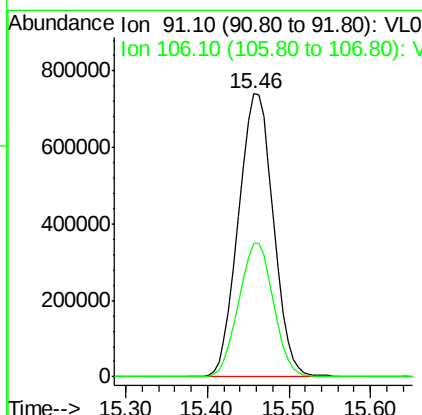
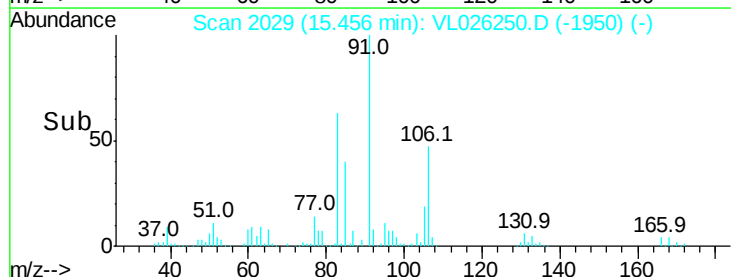
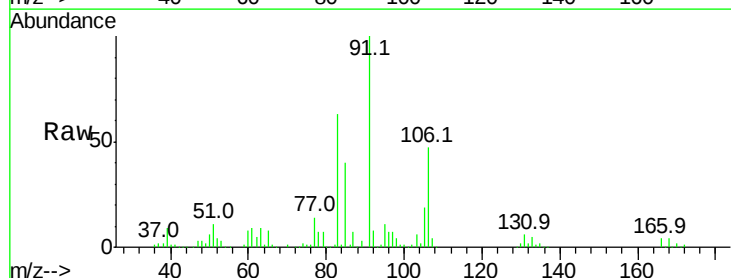
Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS02

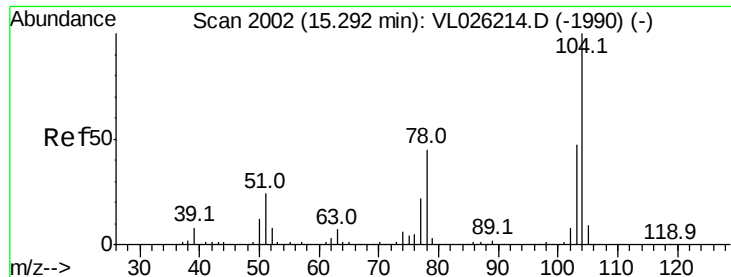
Tgt Ion: 91 Resp: 4331646
Ion Ratio Lower Upper
91 100
106 50.1 40.6 61.0



#60
o-Xylene
Concen: 8.12 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.02 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

Tgt Ion: 91 Resp: 2214200
Ion Ratio Lower Upper
91 100
106 47.1 23.8 71.5





#61

Styrene

Concen: 8.79 ppbv

RT: 15.28 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS02

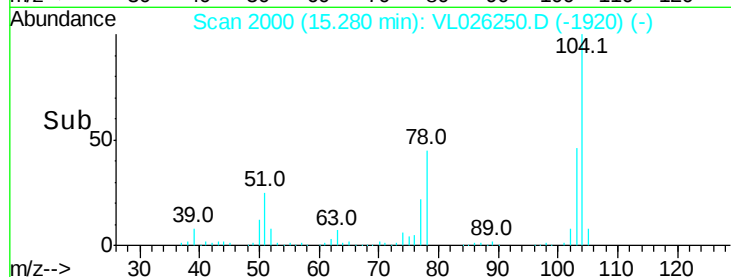
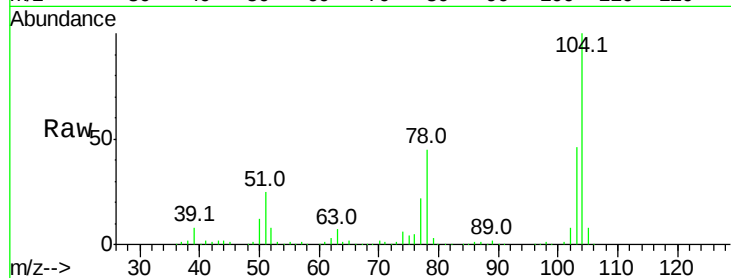
Tgt Ion:104 Resp: 1084018

Ion Ratio Lower Upper

104 100

78 45.1 35.3 52.9

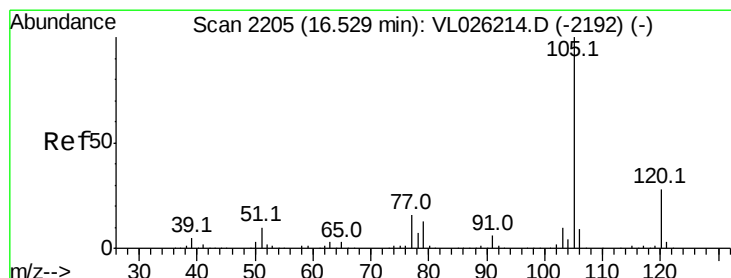
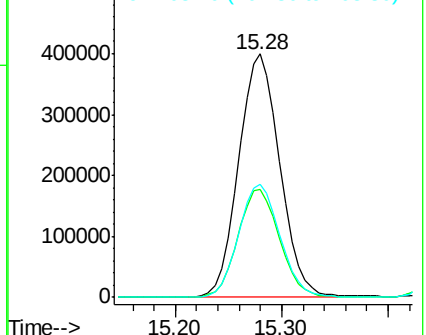
103 47.1 37.0 55.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.28 ppbv

RT: 16.51 min Scan# 2202

Delta R.T. -0.02 min

Lab File: VL026250.D

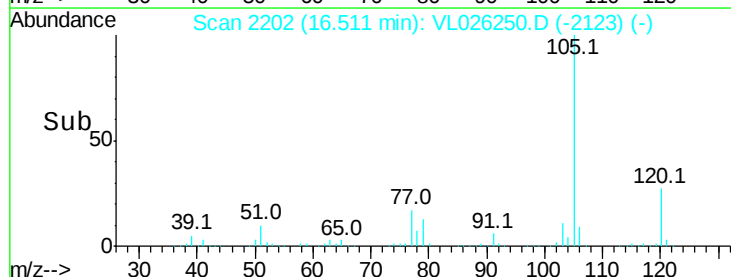
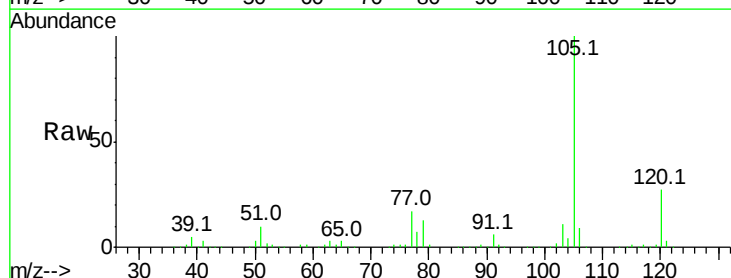
Acq: 21 Oct 2015 23:01

Tgt Ion:105 Resp: 3138901

Ion Ratio Lower Upper

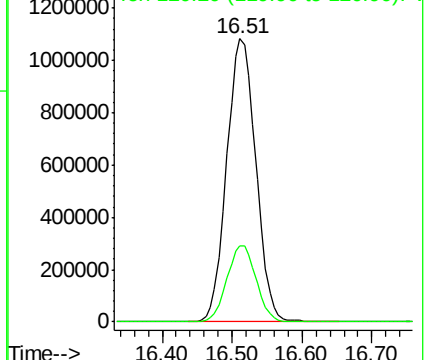
105 100

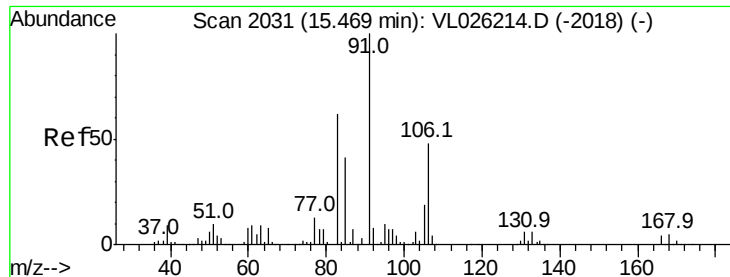
120 27.0 21.8 32.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

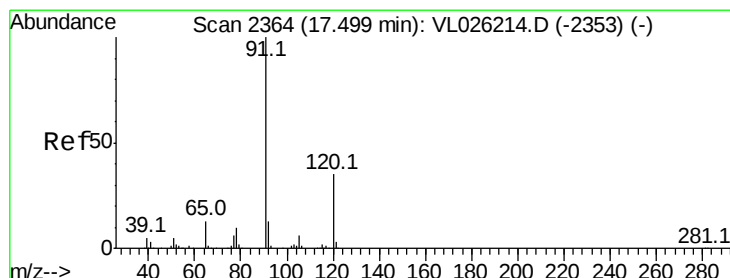
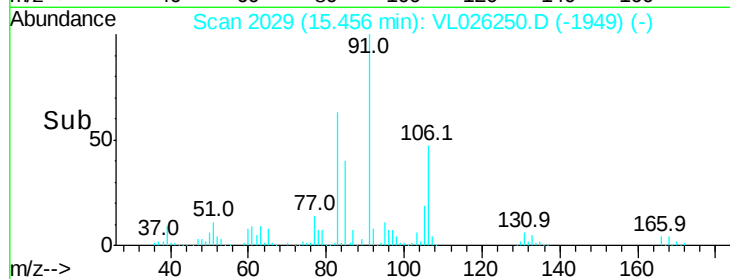
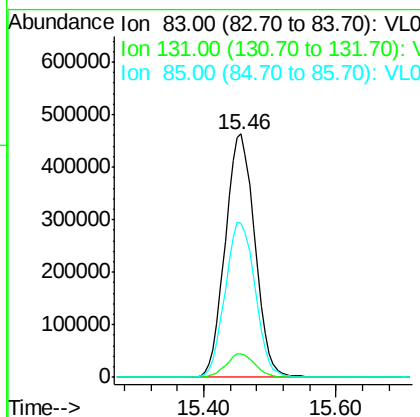
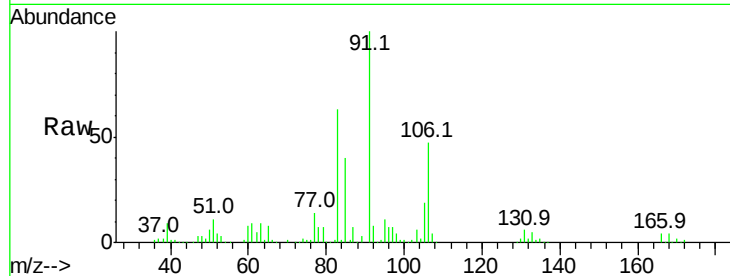




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.98 ppbv
 RT: 15.46 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

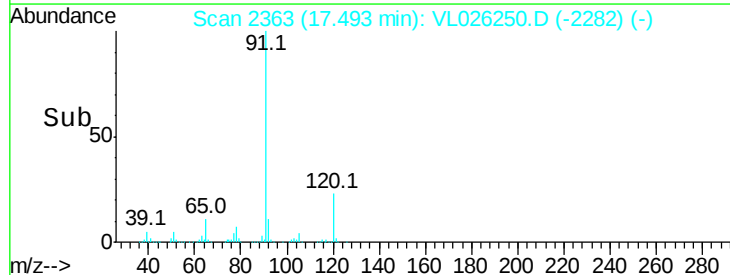
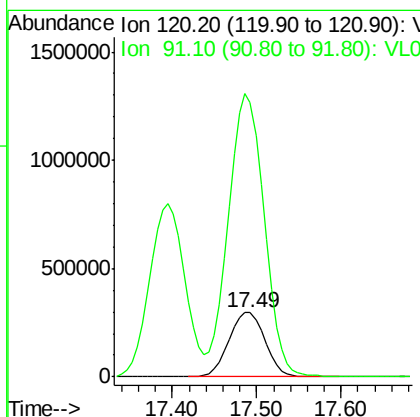
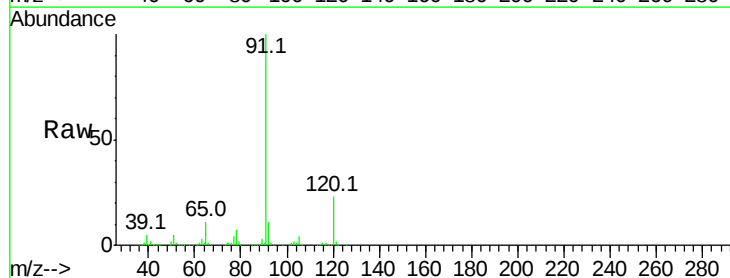
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

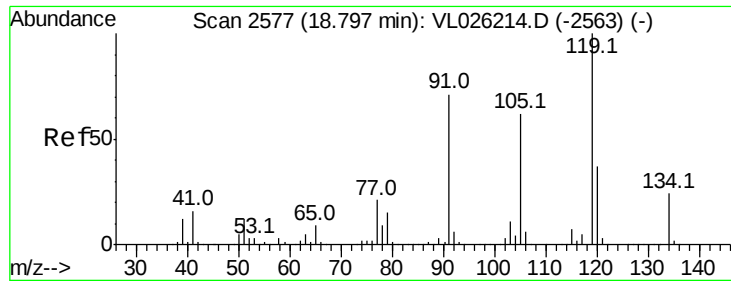
Tgt Ion: 83 Resp: 1438509
 Ion Ratio Lower Upper
 83 100
 131 9.4 5.0 14.9
 85 64.7 32.3 96.9



#64
 n-propylbenzene
 Concen: 8.30 ppbv
 RT: 17.49 min Scan# 2363
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Tgt Ion: 120 Resp: 865465
 Ion Ratio Lower Upper
 120 100
 91 441.8 331.7 497.5

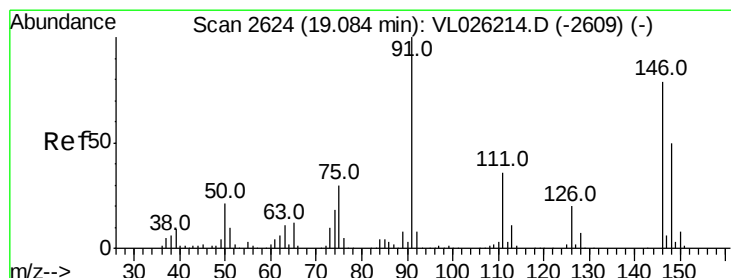
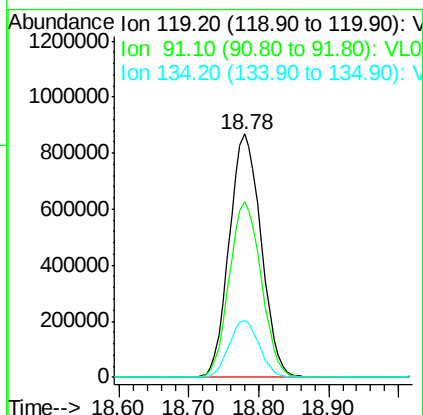
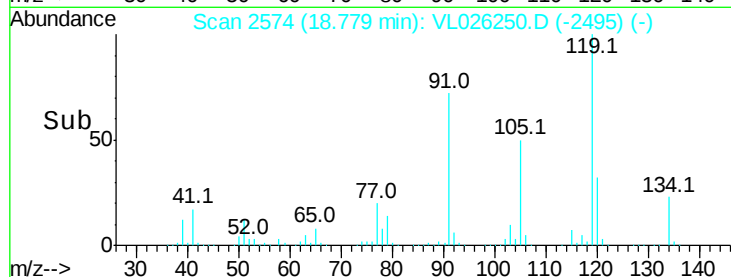
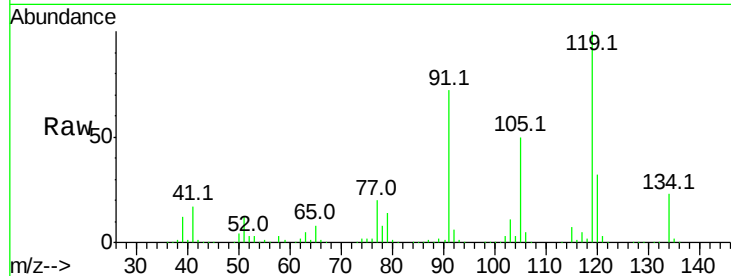




#65
 tert-Butylbenzene
 Concen: 7.94 ppbv
 RT: 18.78 min Scan# 2574
 Delta R.T. -0.02 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

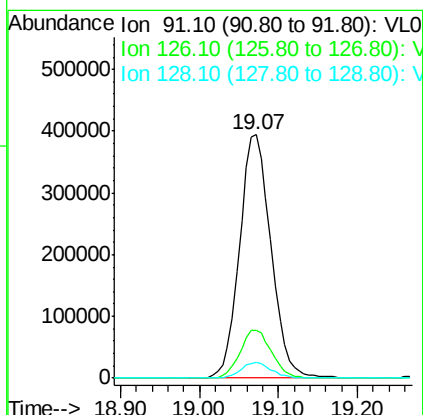
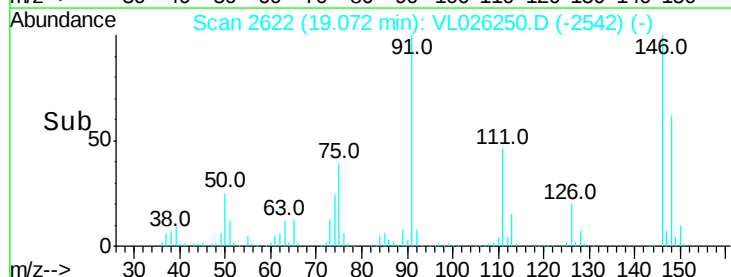
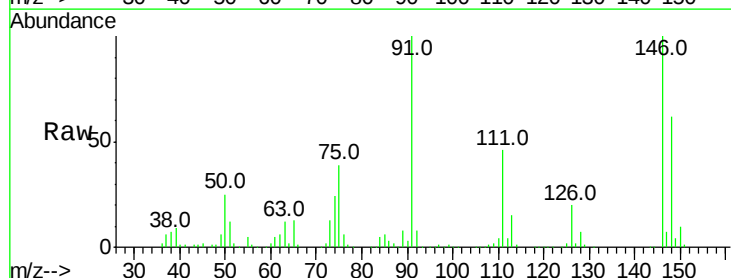
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

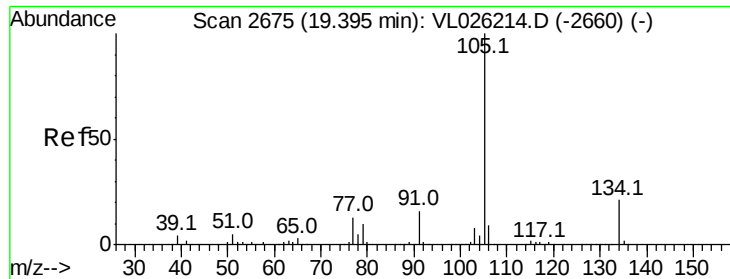
Tgt Ion: 119 Resp: 2747964
 Ion Ratio Lower Upper
 119 100
 91 72.6 57.5 86.3
 134 22.3 18.1 27.1



#66
 Benzyl Chloride
 Concen: 7.61 ppbv
 RT: 19.07 min Scan# 2622
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Tgt Ion: 91 Resp: 1088088
 Ion Ratio Lower Upper
 91 100
 126 19.8 16.2 24.2
 128 6.2 5.1 7.7

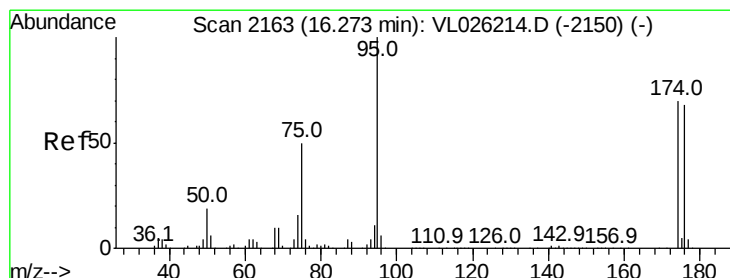
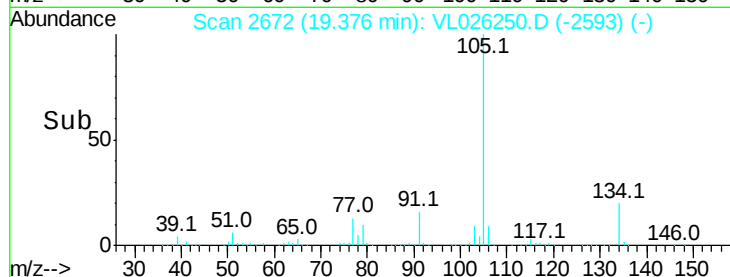
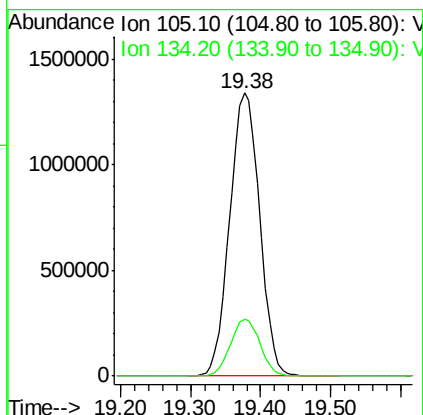
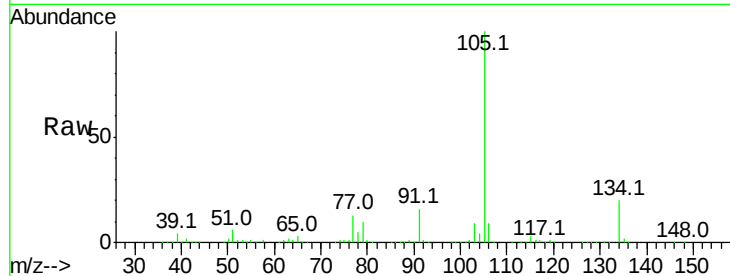




#67
 sec-Butylbenzene
 Concen: 8.24 ppbv
 RT: 19.38 min Scan# 2672
 Delta R.T. -0.02 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

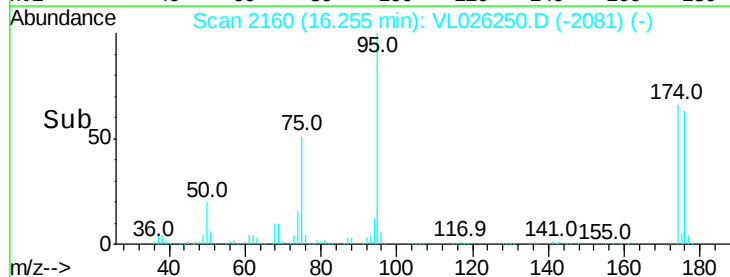
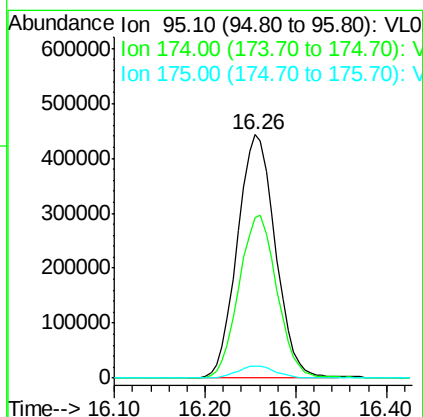
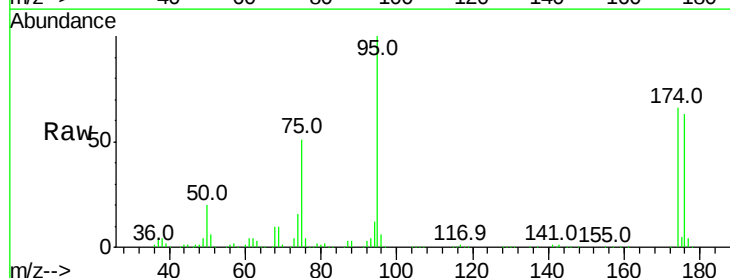
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

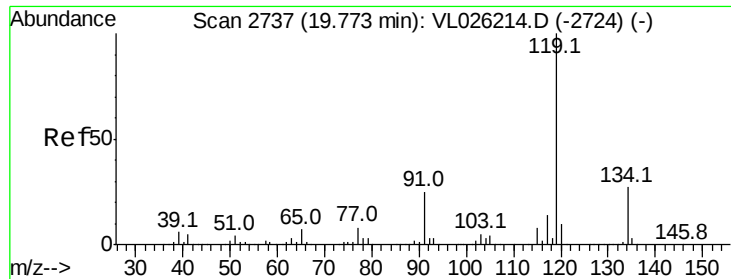
Tgt Ion: 105 Resp: 3979260
 Ion Ratio Lower Upper
 105 100
 134 20.0 16.2 24.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.13 ppbv
 RT: 16.26 min Scan# 2160
 Delta R.T. -0.02 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Tgt Ion: 95 Resp: 1288441
 Ion Ratio Lower Upper
 95 100
 174 67.3 55.8 83.8
 175 5.0 4.3 6.5

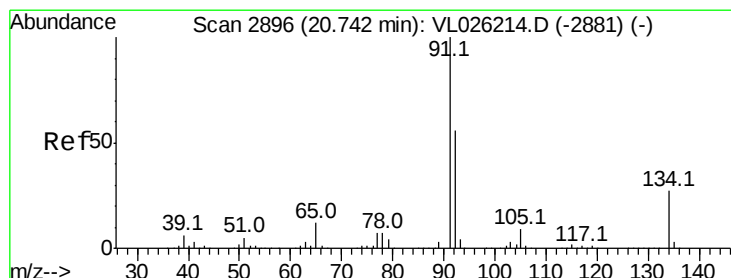
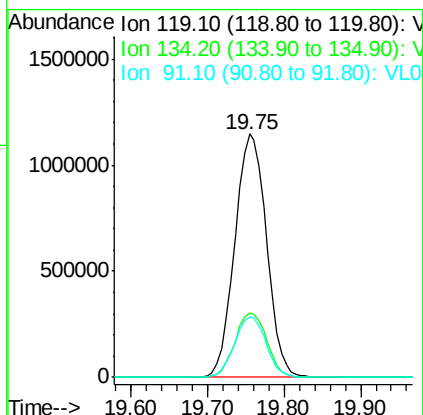
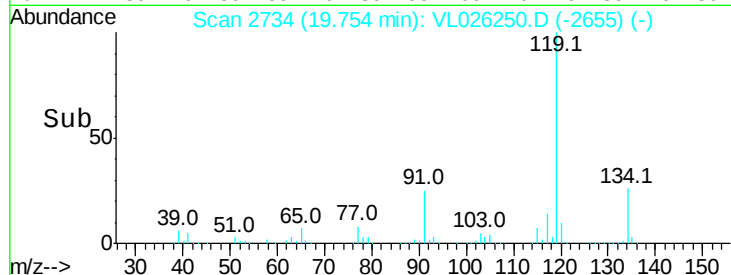
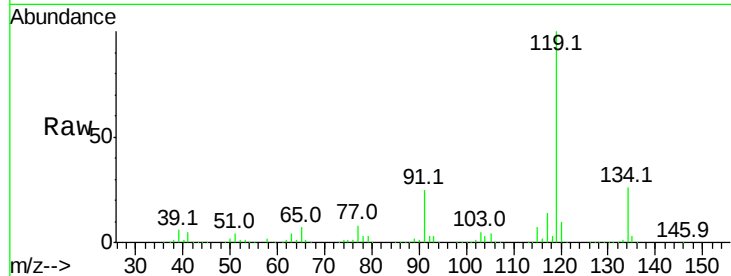




#69
 p-Isopropyltoluene
 Concen: 8.17 ppbv
 RT: 19.75 min Scan# 2734
 Delta R.T. -0.02 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

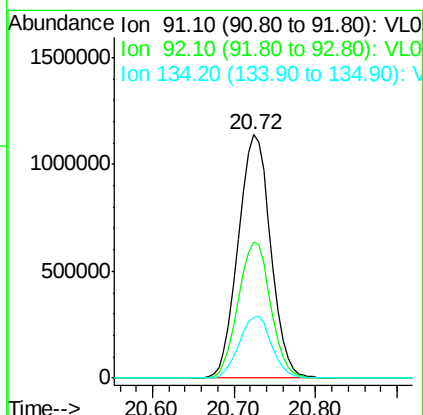
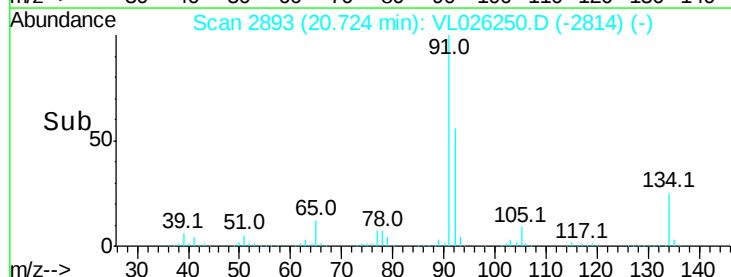
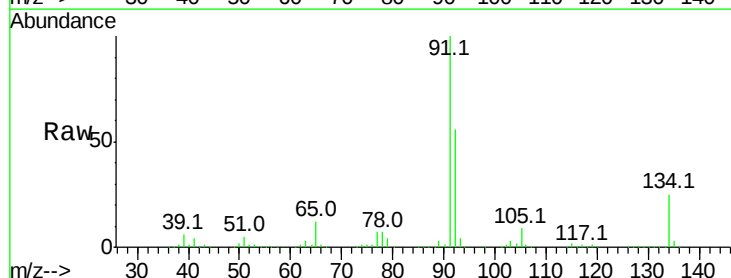
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

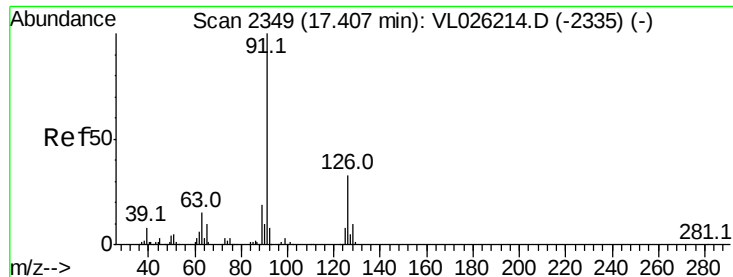
Tgt Ion: 119 Resp: 3298564
 Ion Ratio Lower Upper
 119 100
 134 26.6 21.4 32.0
 91 24.7 19.5 29.3



#70
 n-Butylbenzene
 Concen: 8.53 ppbv
 RT: 20.72 min Scan# 2893
 Delta R.T. -0.02 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Tgt Ion: 91 Resp: 3146603
 Ion Ratio Lower Upper
 91 100
 92 56.0 45.0 67.6
 134 25.5 21.4 32.0





#71

2-Chlorotoluene

Concen: 8.38 ppbv

RT: 17.40 min Scan# 2347

Delta R.T. -0.01 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Instrument :

MSVOA_L

ClientSampleId :

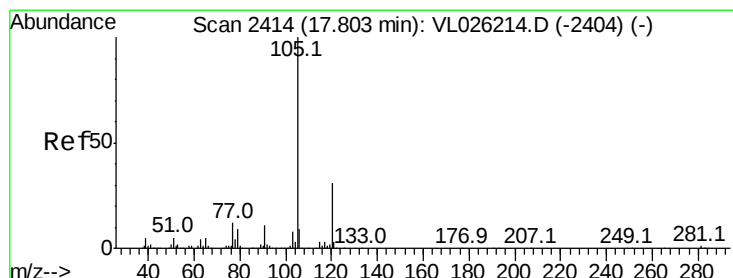
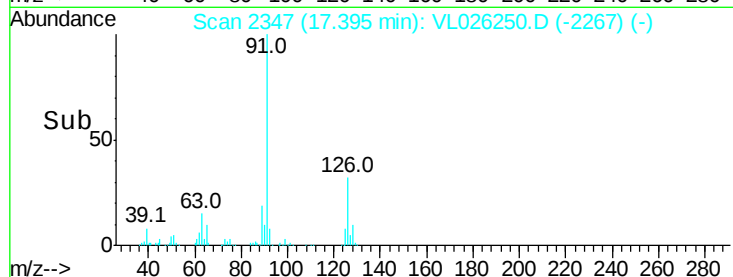
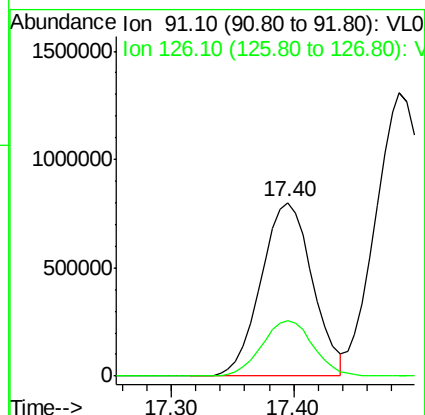
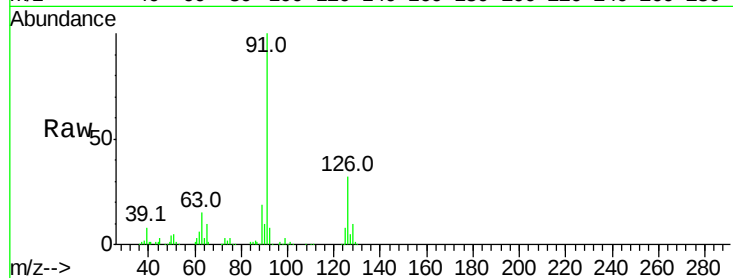
VL1021ABS02

Tgt Ion: 91 Resp: 2340279

Ion Ratio Lower Upper

91 100

126 32.6 12.9 51.7



#72

4-Ethyltoluene

Concen: 8.50 ppbv

RT: 17.79 min Scan# 2411

Delta R.T. -0.02 min

Lab File: VL026250.D

Acq: 21 Oct 2015 23:01

Tgt Ion:105 Resp: 2696546

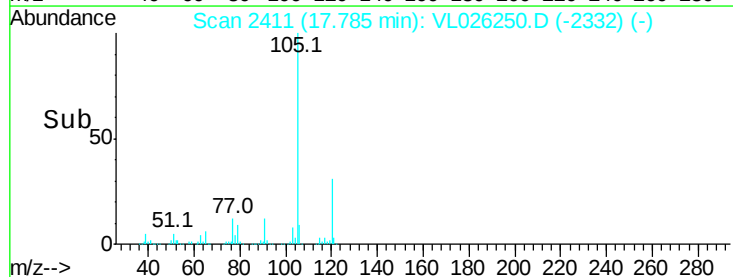
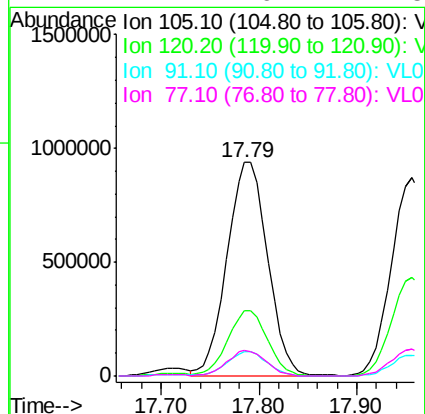
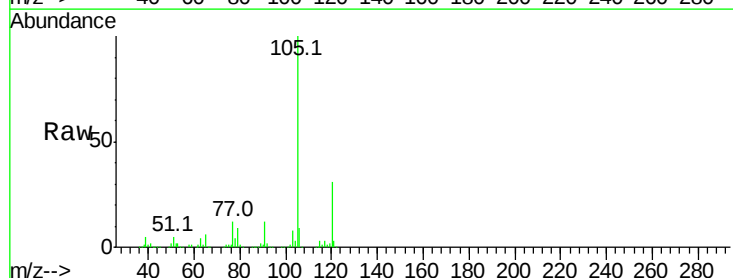
Ion Ratio Lower Upper

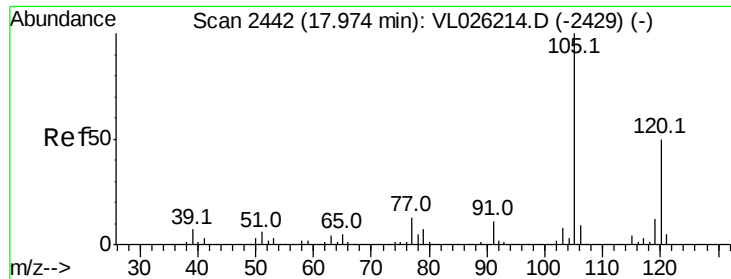
105 100

120 31.4 25.2 37.8

91 11.9 9.0 13.6

77 12.1 9.7 14.5

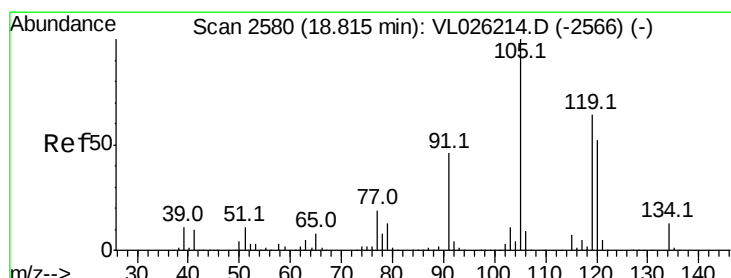
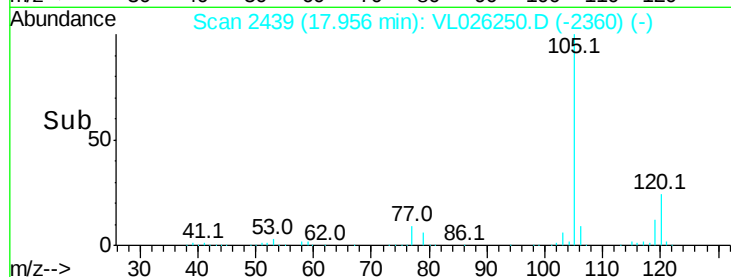
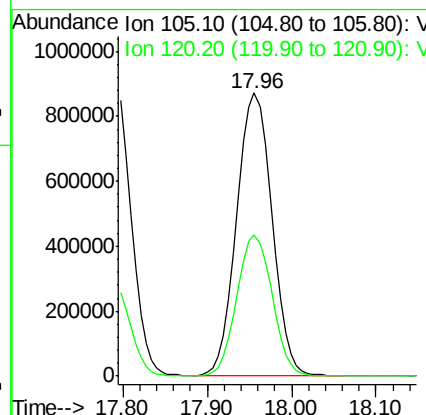
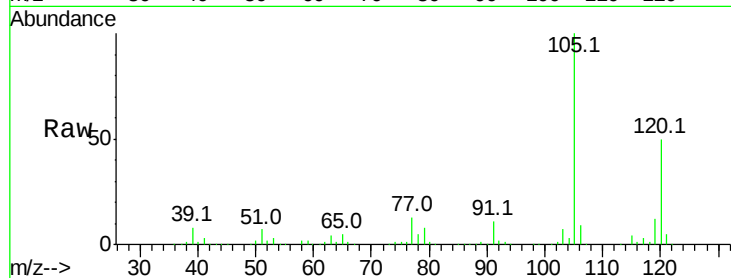




#73
 1,3,5-Trimethylbenzene
 Concen: 8.38 ppbv
 RT: 17.96 min Scan# 2439
 Delta R.T. -0.02 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

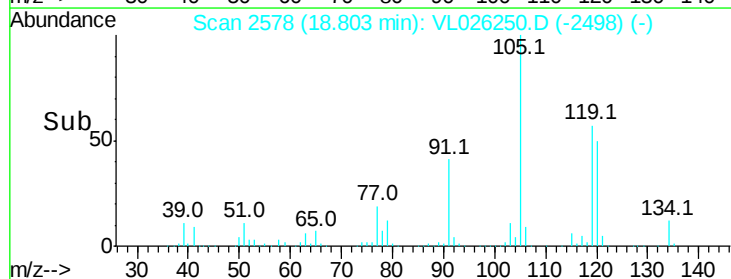
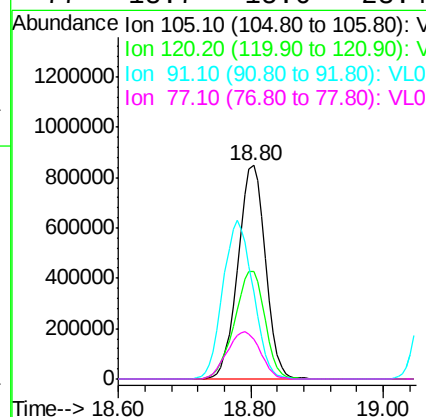
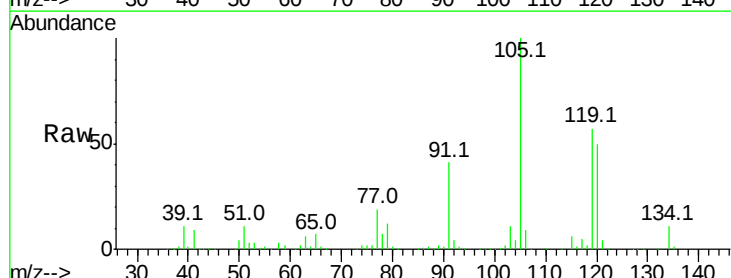
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

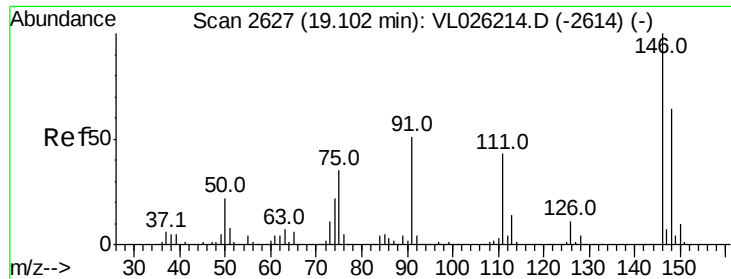
Tgt Ion:105 Resp: 2478056
 Ion Ratio Lower Upper
 105 100
 120 49.7 39.8 59.6



#74
 1,2,4-Trimethylbenzene
 Concen: 7.98 ppbv
 RT: 18.80 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Tgt Ion:105 Resp: 2447435
 Ion Ratio Lower Upper
 105 100
 120 50.1 41.2 61.8
 91 41.0 37.2 55.8
 77 18.7 15.6 23.4

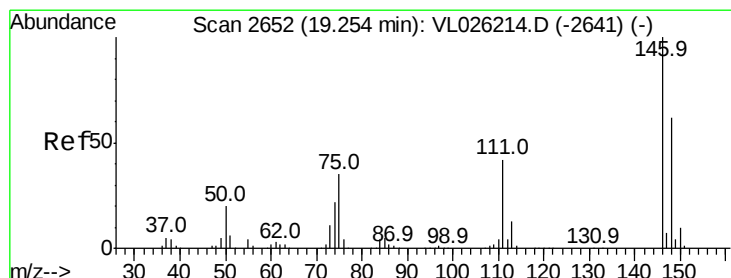
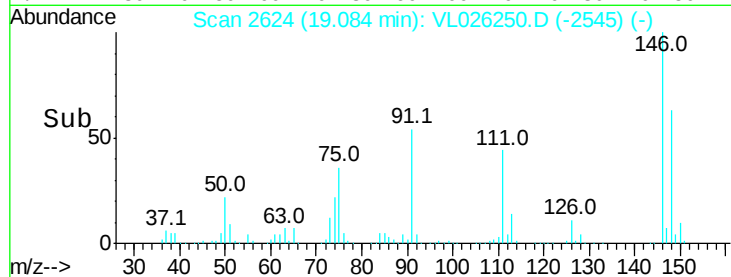
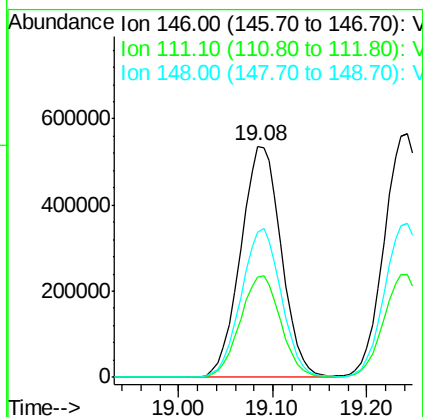
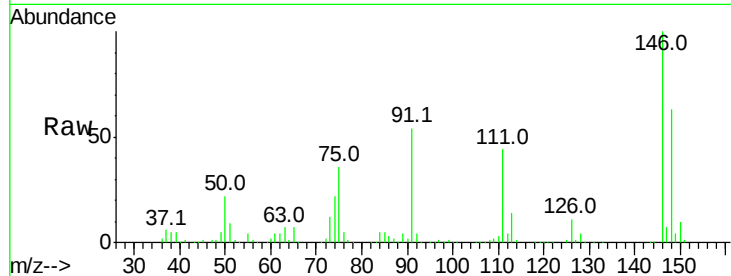




#75
 1,3-Dichlorobenzene
 Concen: 8.09 ppbv
 RT: 19.08 min Scan# 2624
 Delta R.T. -0.02 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

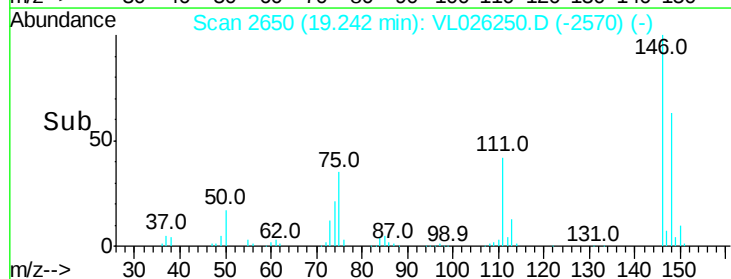
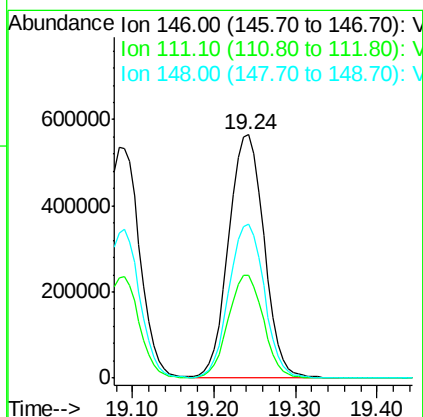
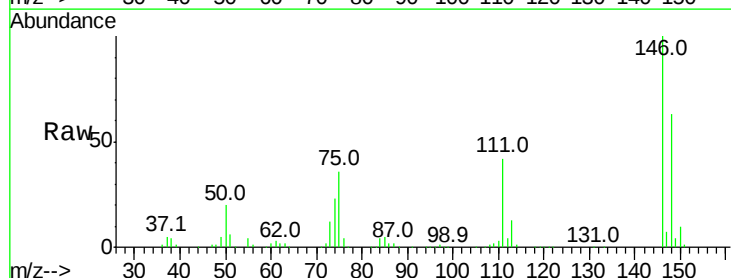
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

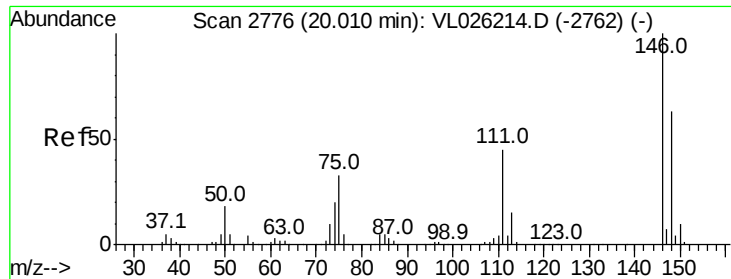
Tgt Ion:146 Resp: 1621855
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.6 64.8
 148 63.3 31.8 95.4



#76
 1,4-Dichlorobenzene
 Concen: 8.14 ppbv
 RT: 19.24 min Scan# 2650
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Tgt Ion:146 Resp: 1703154
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.8 62.2
 148 63.4 31.9 95.9

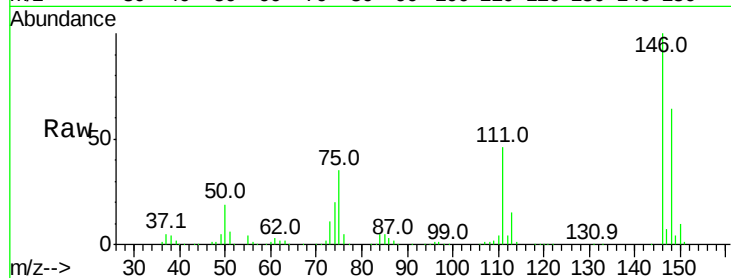




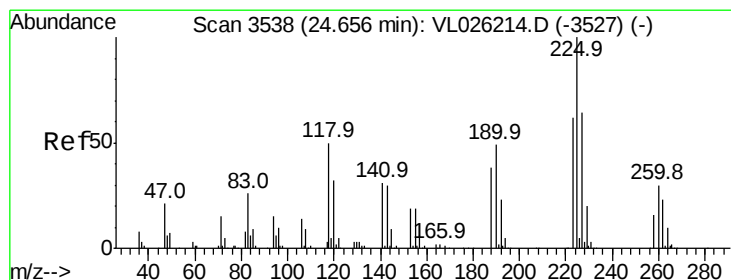
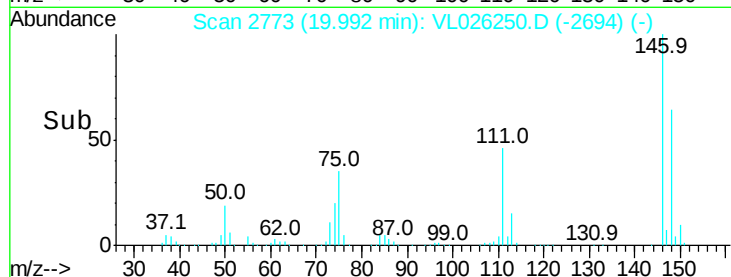
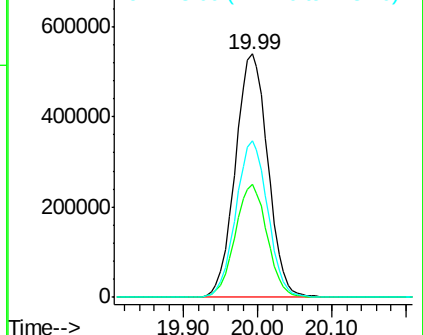
#77
 1,2-Dichlorobenzene
 Concen: 8.15 ppbv
 RT: 19.99 min Scan# 2773
 Delta R.T. -0.02 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

Tgt Ion:146 Resp: 1646846
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.6 67.7
 148 63.7 31.6 95.0

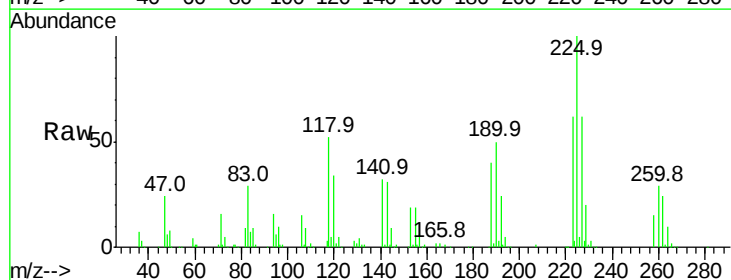


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

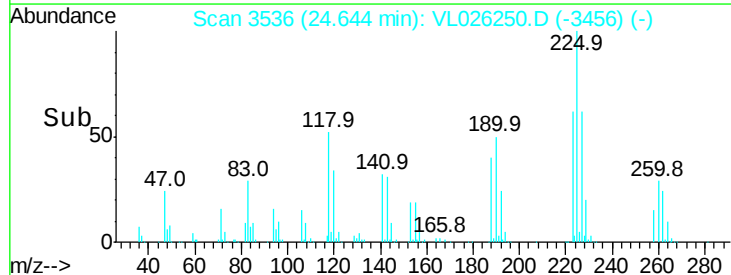
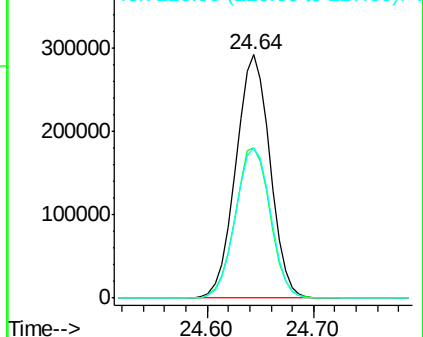


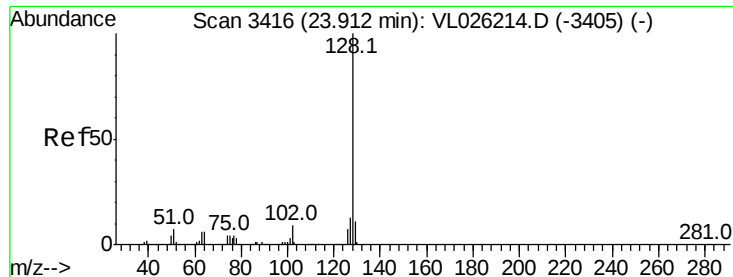
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.37 ppbv
 RT: 24.64 min Scan# 3536
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Tgt Ion:225 Resp: 659984
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.2 75.2
 227 63.2 50.8 76.2



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V

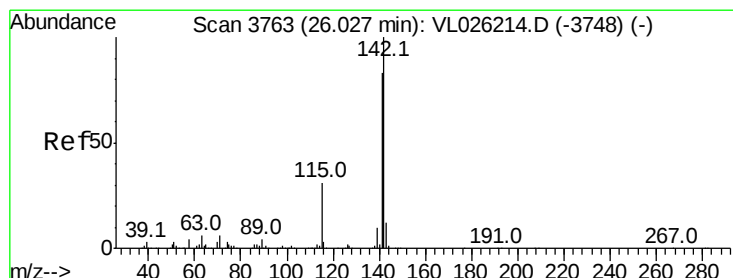
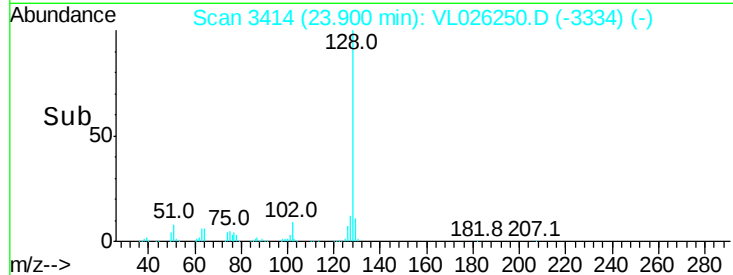
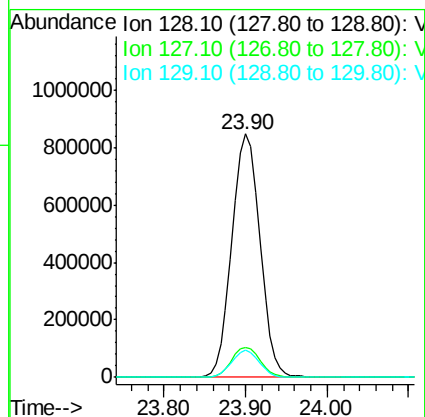
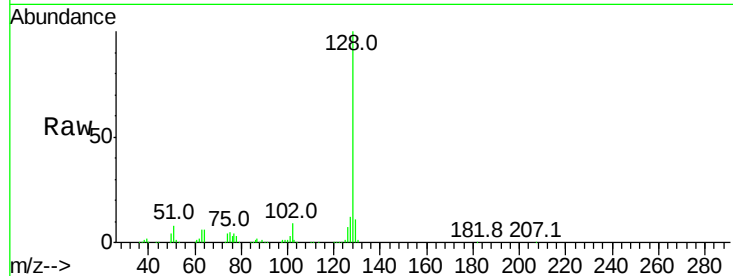




#79
Naphthalene
Concen: 7.48 ppbv
RT: 23.90 min Scan# 3414
Delta R.T. -0.01 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

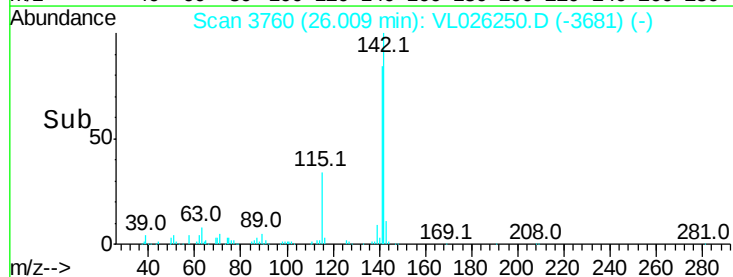
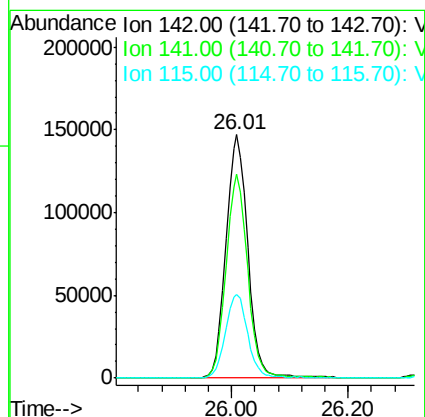
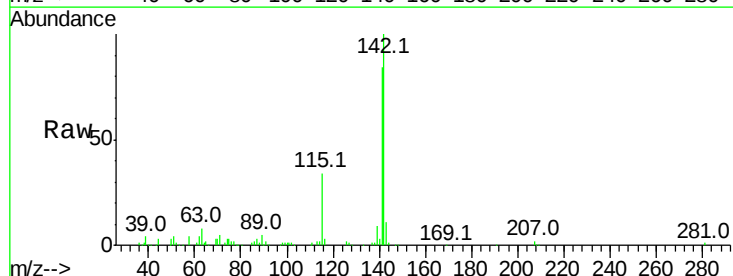
Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS02

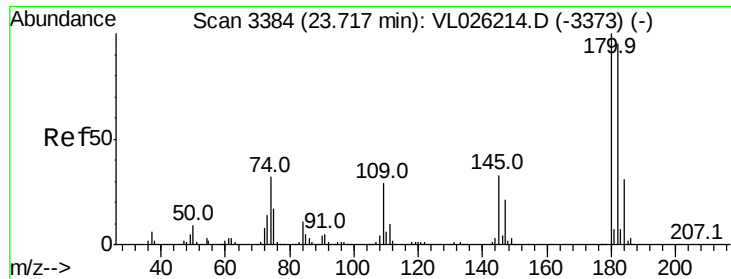
Tgt Ion:128 Resp: 2022523
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 11.0 8.8 13.2



#80
Naphthalene, 2-methyl-
Concen: 7.92 ppbv
RT: 26.01 min Scan# 3760
Delta R.T. -0.02 min
Lab File: VL026250.D
Acq: 21 Oct 2015 23:01

Tgt Ion:142 Resp: 384374
Ion Ratio Lower Upper
142 100
141 83.6 66.5 99.7
115 35.5 24.2 36.4

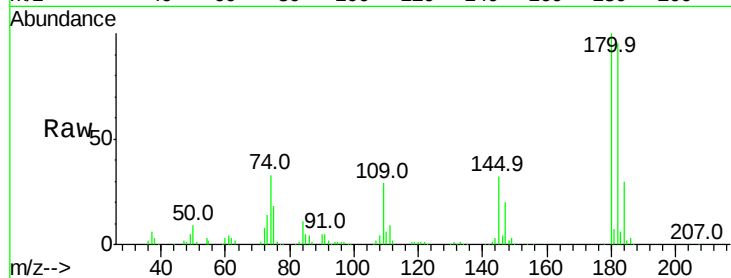




#81
 1,2,4-Trichlorobenzene
 Concen: 7.21 ppbv
 RT: 23.70 min Scan# 3382
 Delta R.T. -0.01 min
 Lab File: VL026250.D
 Acq: 21 Oct 2015 23:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.7	115.1
184	30.1	24.2	36.2



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

