

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
 Data File : VL026251.D
 Acq On : 21 Oct 2015 23:40
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:36:18 PM

Quant Time: Oct 22 15:05:21 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 22 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	6.63	49	448222	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.31	114	1308204	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	1680819m	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	1297233	10.01	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.62	85	1072240	11.54	ppbv	99
3) Chlorodifluoromethane	3.56	51	594895	10.48	ppbv	100
4) Chloromethane	3.73	50	335699	10.96	ppbv	100
5) Vinyl Chloride	3.87	62	349384	10.84	ppbv	98
6) Bromomethane	4.12	94	259226	11.20	ppbv	95
7) Chloroethane	4.22	64	152622	11.29	ppbv	99
8) Dichlorotetrafluoroethane	3.79	85	869486	10.89	ppbv	98
9) Propene	3.58	41	275034	10.36	ppbv	100
10) Heptane	9.33	43	956573	10.76	ppbv	99
11) Trichlorofluoromethane	4.67	101	1059872	11.63	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.28	101	672407	10.81	ppbv	98
13) Ethanol	4.31	45	45218	11.35	ppbv	98
14) Bromoethene	4.43	108	294336	11.21	ppbv	100
15) Acetone	4.58	43	643417	9.75	ppbv	98
16) 1,3-Butadiene	3.95	39	319043	10.84	ppbv	98
17) tert-Butyl alcohol	5.10	59	494729	10.97	ppbv	99
18) 1,1-Dichloroethene	5.06	96	306343	10.91	ppbv	98
19) Isopropyl Alcohol	4.73	45	314504	12.19	ppbv	95
20) Methylene Chloride	5.13	84	280620	10.66	ppbv	98
21) Allyl Chloride	5.20	41	470714	10.92	ppbv	98
22) trans-1,2-Dichloroethene	5.74	96	401446	11.09	ppbv	100
23) Vinyl Acetate	5.96	43	1335013	10.97	ppbv	99
24) 1,1-Dichloroethane	5.89	63	849784	11.08	ppbv	100
25) Ethyl Acetate	6.65	43	1318953	10.66	ppbv	100
26) Hexane	6.63	57	651384	10.54	ppbv	99
27) Carbon Disulfide	5.37	76	872621	11.04	ppbv	99
28) Methyl tert-Butyl Ether	5.93	73	1209382	10.76	ppbv	99
29) Chloroform	6.73	83	996729	11.11	ppbv	100
30) Cyclohexane	8.26	84	625908	10.12	ppbv	99
31) cis-1,2-Dichloroethene	6.49	61	623911	11.12	ppbv	99
32) 1,1,1-Trichloroethane	7.57	97	1031434	10.37	ppbv	99
34) 2-Butanone	6.18	43	831011	11.24	ppbv	100
35) Carbon Tetrachloride	8.13	117	1023582	10.27	ppbv	97
36) Benzene	8.00	78	1414967	10.62	ppbv	99
37) 1,2-Dichloroethane	7.35	62	809724	11.82	ppbv	99
38) Trichloroethene	9.04	130	602365	9.32	ppbv	98
39) 1,2-Dichloropropane	8.80	63	521644	11.13	ppbv	95
40) 1,4-Dioxane	9.09	88	133782	15.19	ppbv	95
41) Tetrahydrofuran	7.10	42	480753	11.23	ppbv	99
42) Bromodichloromethane	9.00	83	1123967	11.41	ppbv	100
43) Methyl Methacrylate	9.24	69	566553	11.68	ppbv	98

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
 Data File : VL026251.D
 Acq On : 21 Oct 2015 23:40
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:36:18 PM

Quant Time: Oct 22 15:05:21 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 22 15:05:21 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	2307090	10.69	ppbv	100
45) t-1,3-Dichloropropene	10.62	75	883272	11.67	ppbv	99
46) cis-1,3-Dichloropropene	9.99	75	1008945	11.39	ppbv	99
47) 1,1,2-Trichloroethane	10.85	97	661631	11.24	ppbv	99
48) Dibromochloromethane	11.77	129	1069053	11.14	ppbv	100
49) Bromoform	14.79	173	873249	10.78	ppbv	100
50) 4-Methyl-2-Pentanone	10.06	43	1179729	11.82	ppbv	99
51) 2-Hexanone	11.59	43	1116214	11.97	ppbv #	100
52) Tetrachloroethene	12.77	164	676042	8.85	ppbv	99
53) Toluene	11.21	91	1975098	10.90	ppbv	99
54) 1,2-Dibromoethane	12.12	107	1022721	11.23	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.76	131	769381	9.54	ppbv	97
57) Chlorobenzene	13.79	112	1631846	10.14	ppbv	98
58) Ethyl Benzene	14.38	91	2832285	10.40	ppbv	99
59) m/p-Xylene	14.69	91	4355660	20.42	ppbv	99
60) o-Xylene	15.46	91	2223798	9.97	ppbv	99
61) Styrene	15.28	104	1097097	10.88	ppbv	99
62) Isopropylbenzene	16.52	105	3144137	10.14	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.46	83	1466802	9.95	ppbv	100
64) n-propylbenzene	17.49	120	872639	10.23	ppbv	92
65) tert-Butylbenzene	18.78	119	2753051	9.72	ppbv	99
66) Benzyl Chloride	19.07	91	1118526	9.57	ppbv	99
67) sec-Butylbenzene	19.38	105	3991499	10.11	ppbv	99
69) p-Isopropyltoluene	19.76	119	3301508	10.00	ppbv	100
70) n-Butylbenzene	20.72	91	3134450	10.39	ppbv	99
71) 2-Chlorotoluene	17.39	91	2391895	10.47	ppbv	99
72) 4-Ethyltoluene	17.79	105	2714302	10.46	ppbv	99
73) 1,3,5-Trimethylbenzene	17.96	105	2499655	10.34	ppbv	100
74) 1,2,4-Trimethylbenzene	18.80	105	2452514	9.78	ppbv	99
75) 1,3-Dichlorobenzene	19.09	146	1634472	9.98	ppbv	100
76) 1,4-Dichlorobenzene	19.24	146	1708763	9.99	ppbv	99
77) 1,2-Dichlorobenzene	19.99	146	1648474	9.98	ppbv	100
78) Hexachloro-1,3-Butadiene	24.64	225	617870	7.29	ppbv	99
79) Naphthalene	23.91	128	1926640	8.72	ppbv	100
80) Naphthalene, 2-methyl-	26.02	142	527169	13.29	ppbv	99
81) 1,2,4-Trichlorobenzene	23.70	180	891135	8.38	ppbv	100

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

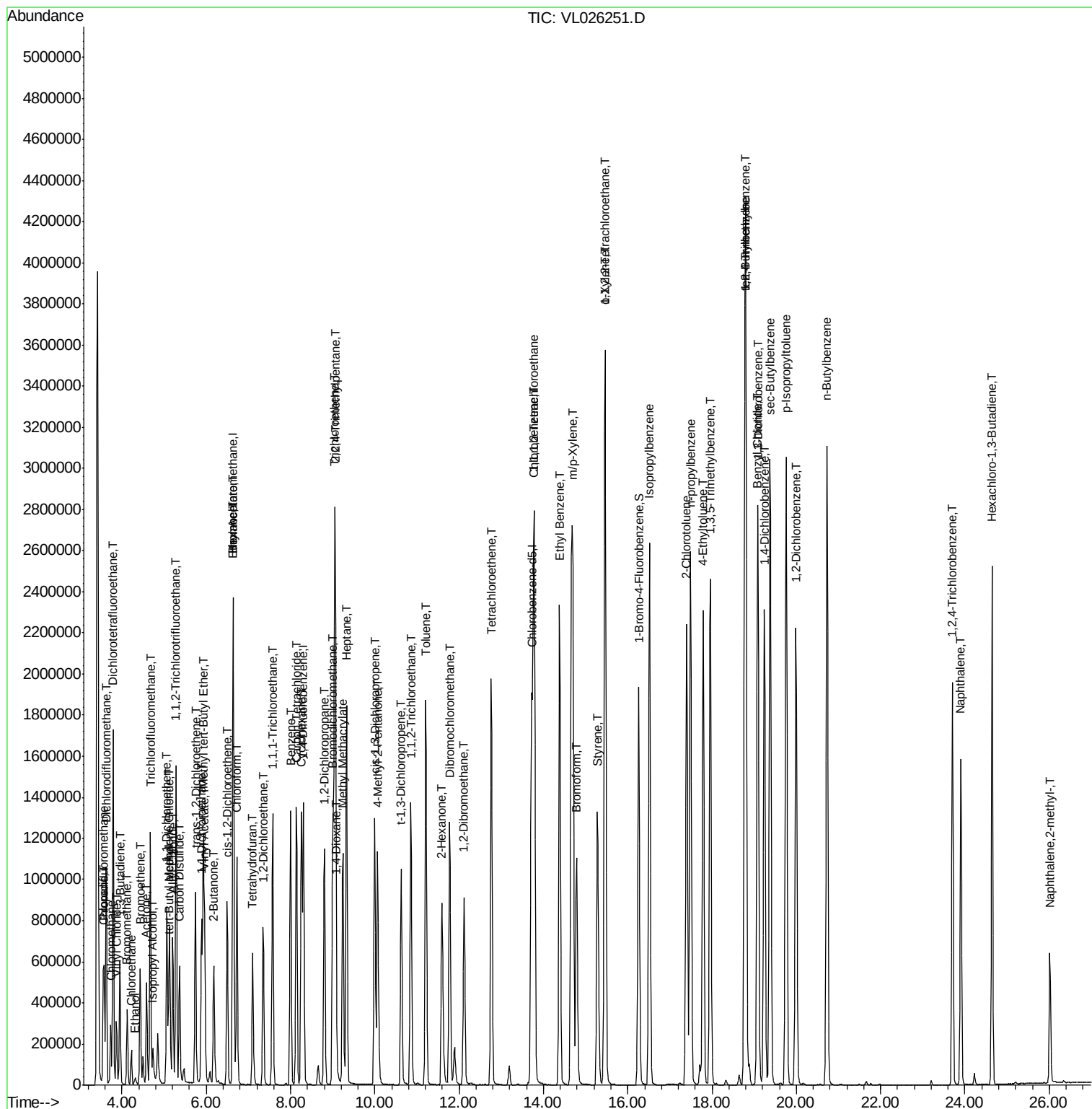
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
Data File : VL026251.D
Acq On : 21 Oct 2015 23:40
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

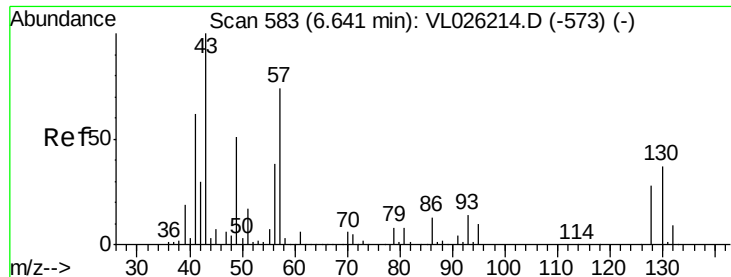
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations
APPROVED

MMDadoda
10/22/2015 4:36:18 PM

Quant Time: Oct 22 15:05:21 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration





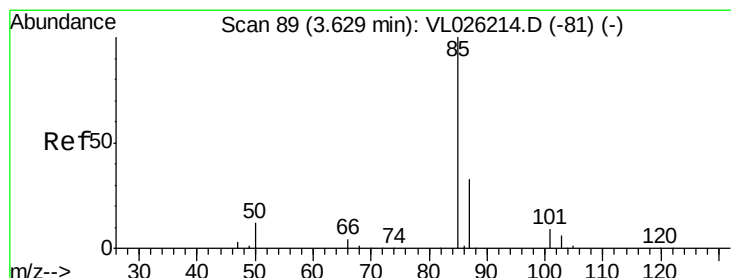
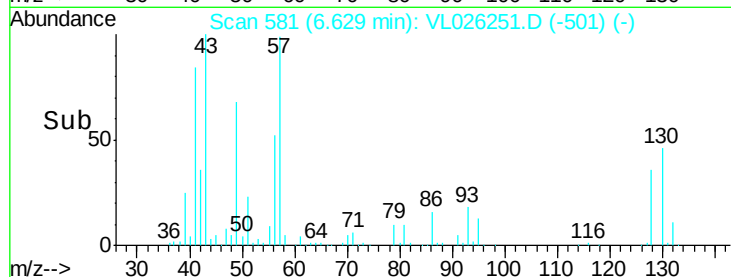
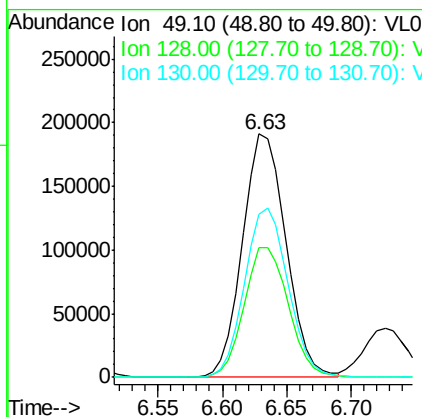
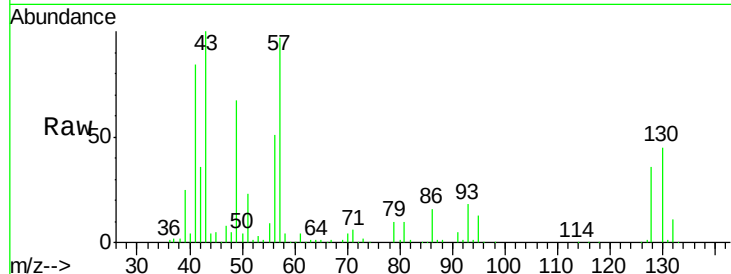
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 49 Resp: 448222
Ion Ratio Lower Upper
49 100
128 54.6 28.2 84.7
130 70.1 36.0 108.1

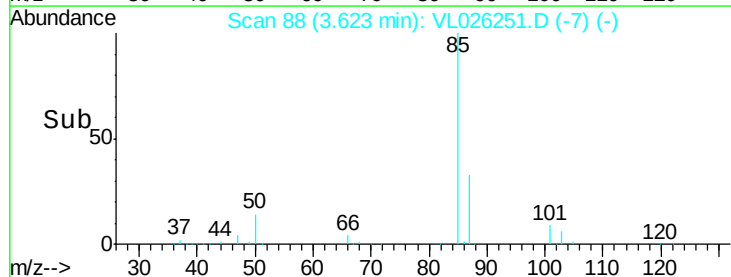
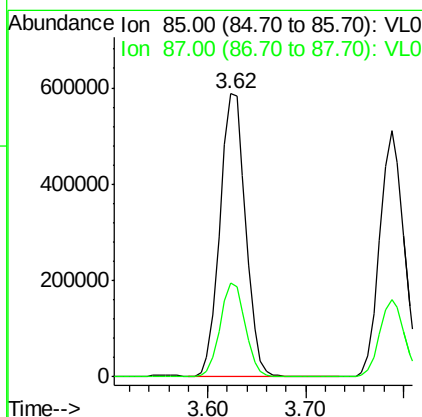
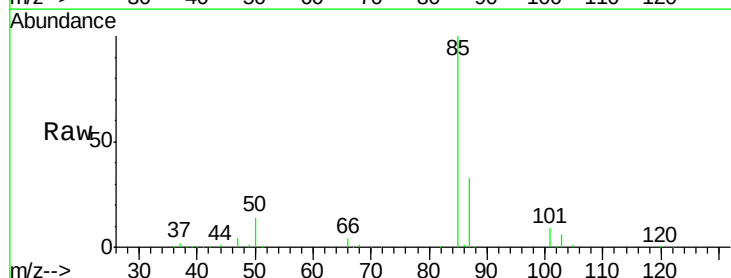
Manual Integrations
APPROVED

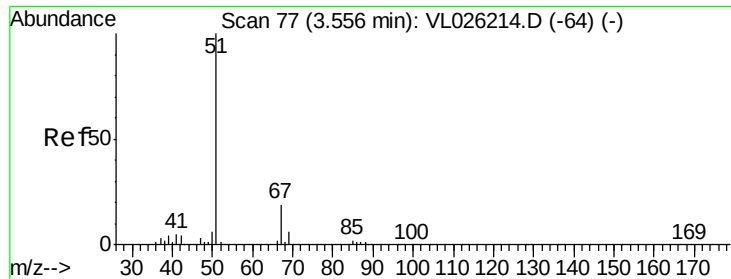
MMDadoda
10/22/2015 4:36:18 PM



#2
Dichlorodifluoromethane
Concen: 11.54 ppbv
RT: 3.62 min Scan# 88
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion: 85 Resp: 1072240
Ion Ratio Lower Upper
85 100
87 33.0 26.1 39.1





#3

Chlorodifluoromethane

Concen: 10.48 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 594895

Ion Ratio Lower Upper

51 100

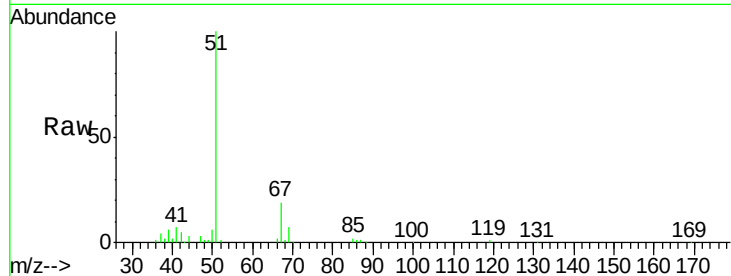
67 19.1 15.3 22.9

Manual Integrations

APPROVED

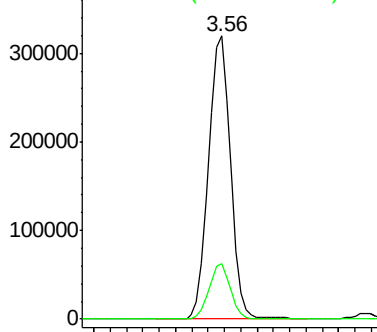
MMDadoda

10/22/2015 4:36:18 PM

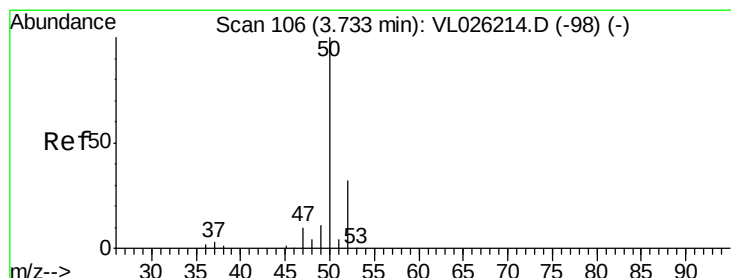
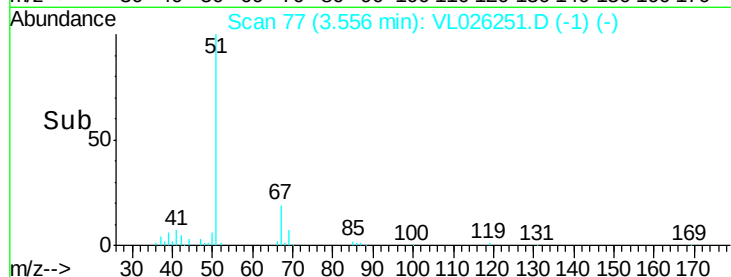


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 10.96 ppbv

RT: 3.73 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL026251.D

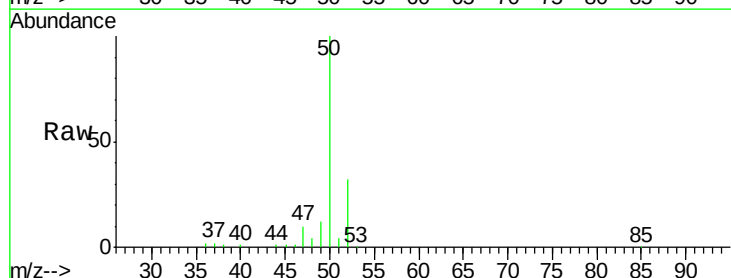
Acq: 21 Oct 2015 23:40

Tgt Ion: 50 Resp: 335699

Ion Ratio Lower Upper

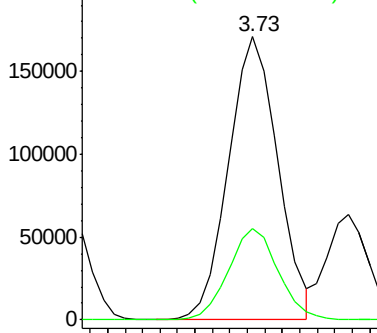
50 100

52 32.4 25.8 38.6

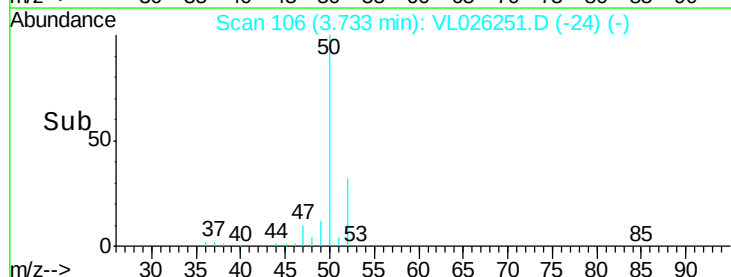


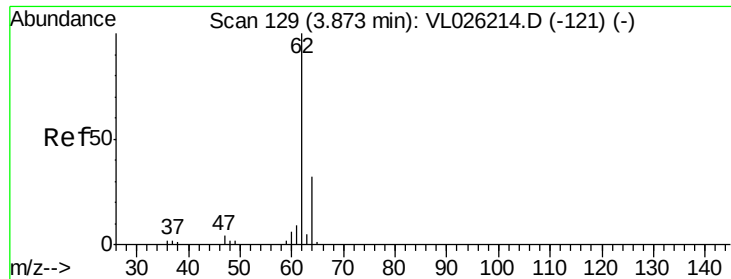
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#5

Vinyl Chloride

Concen: 10.84 ppbv

RT: 3.87 min Scan# 128

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 349384

Ion Ratio Lower Upper

62 100

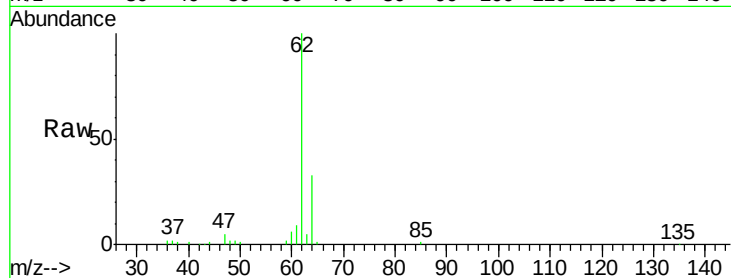
64 33.1 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

10/22/2015 4:36:18 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.87

200000

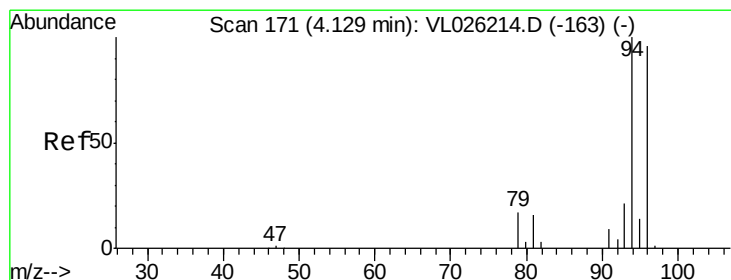
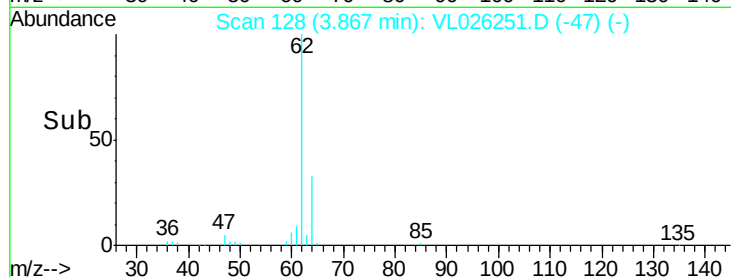
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 11.20 ppbv

RT: 4.12 min Scan# 170

Delta R.T. -0.01 min

Lab File: VL026251.D

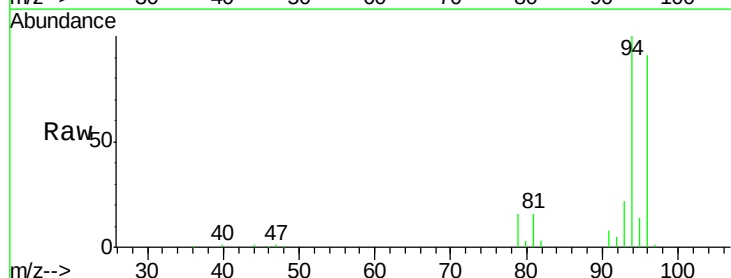
Acq: 21 Oct 2015 23:40

Tgt Ion: 94 Resp: 259226

Ion Ratio Lower Upper

94 100

96 91.0 76.5 114.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

4.12

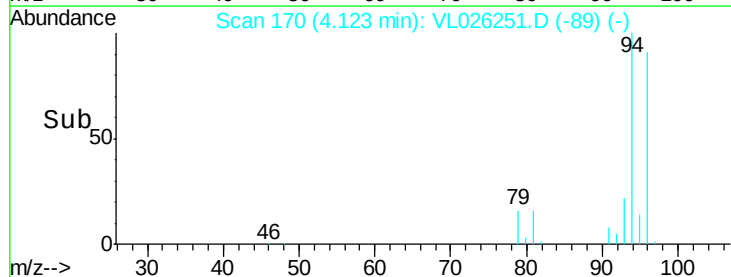
150000

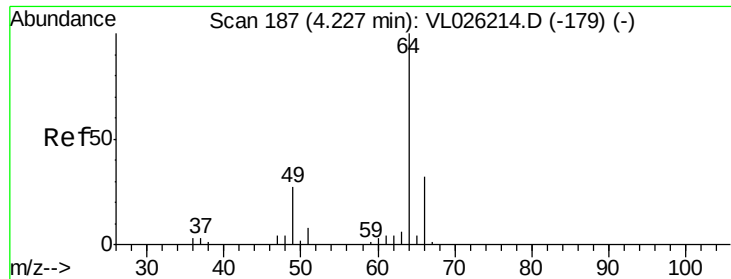
100000

50000

0

Time-->





#7

Chloroethane

Concen: 11.29 ppbv

RT: 4.22 min Scan# 186

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 152622

Ion Ratio Lower Upper

64 100

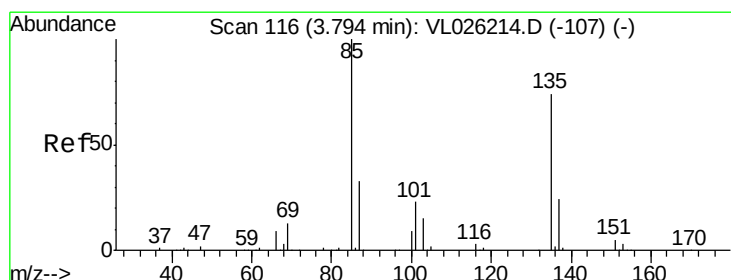
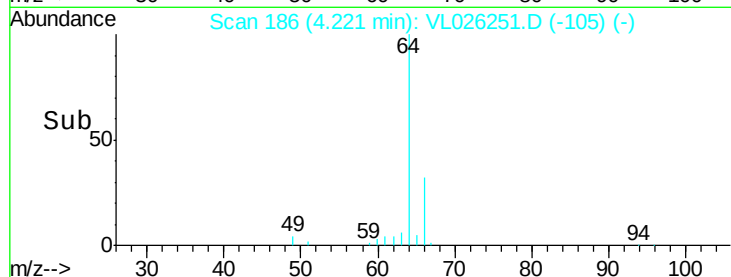
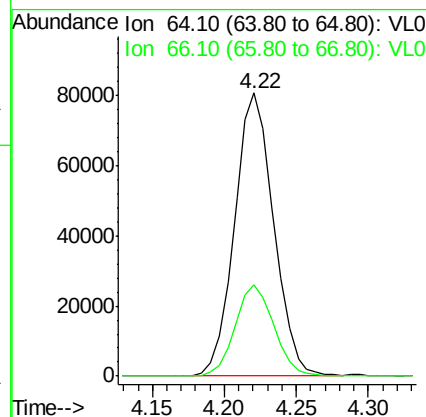
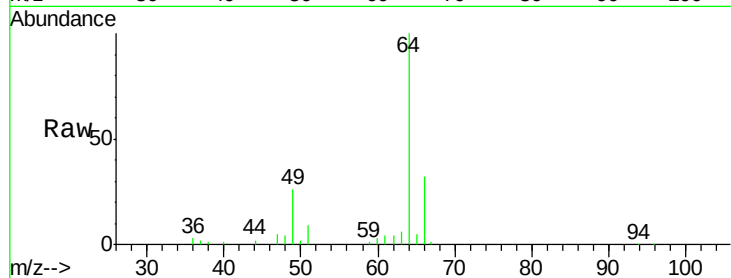
66 32.4 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

10/22/2015 4:36:18 PM



#8

Dichlorotetrafluoroethane

Concen: 10.89 ppbv

RT: 3.79 min Scan# 115

Delta R.T. -0.01 min

Lab File: VL026251.D

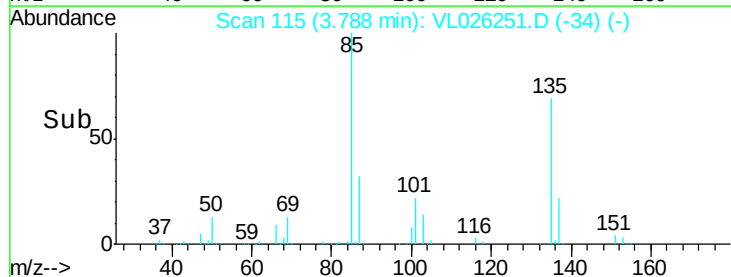
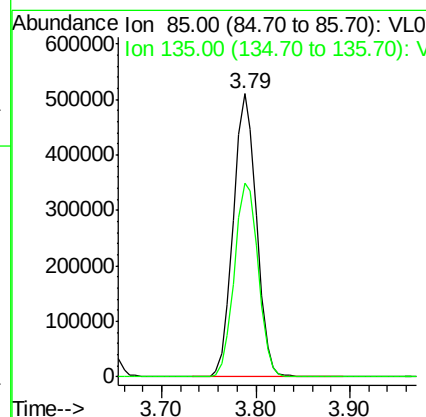
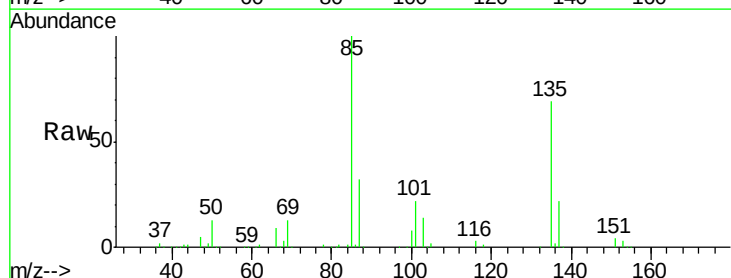
Acq: 21 Oct 2015 23:40

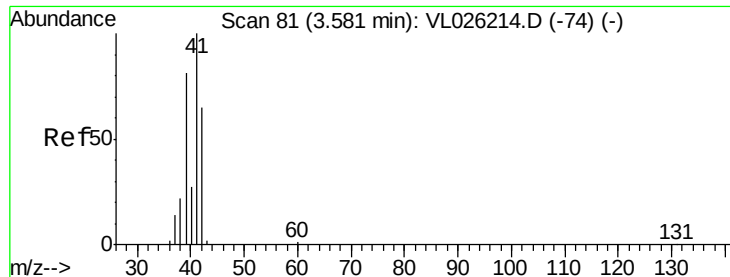
Tgt Ion: 85 Resp: 869486

Ion Ratio Lower Upper

85 100

135 70.9 57.8 86.8





#9

Propene

Concen: 10.36 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 275034

Ion Ratio Lower Upper

41 100

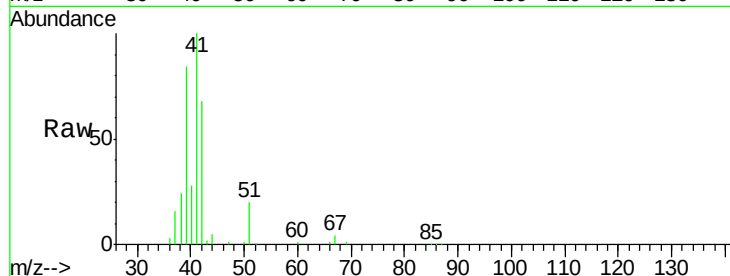
42 67.2 53.8 80.8

Manual Integrations

APPROVED

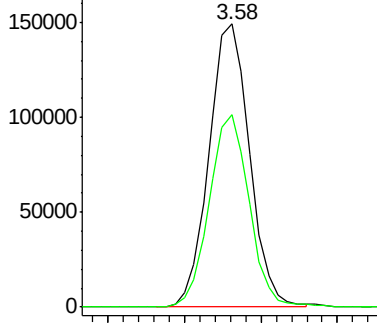
MMDadoda

10/22/2015 4:36:18 PM

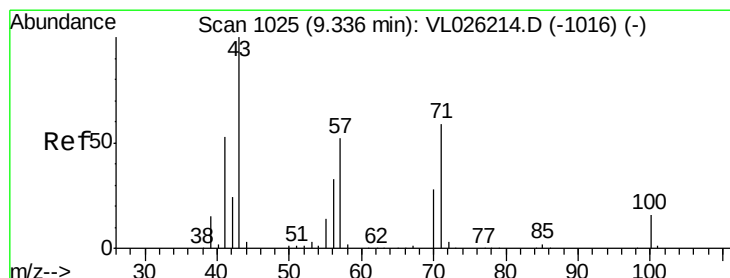
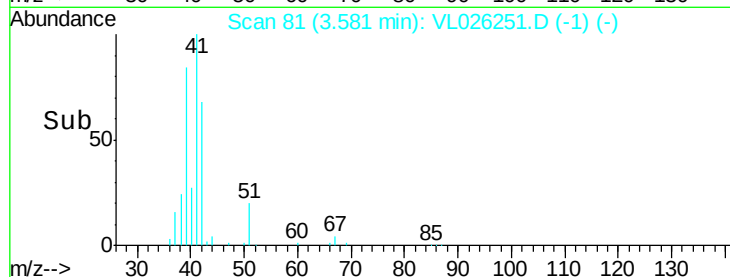


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



Time-->



#10

Heptane

Concen: 10.76 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. -0.01 min

Lab File: VL026251.D

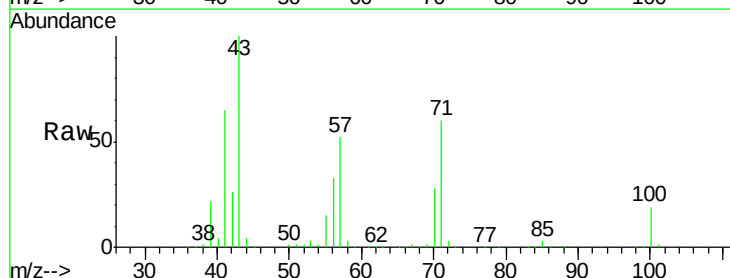
Acq: 21 Oct 2015 23:40

Tgt Ion: 43 Resp: 956573

Ion Ratio Lower Upper

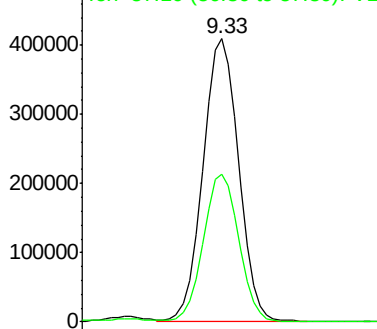
43 100

57 53.7 43.7 65.5

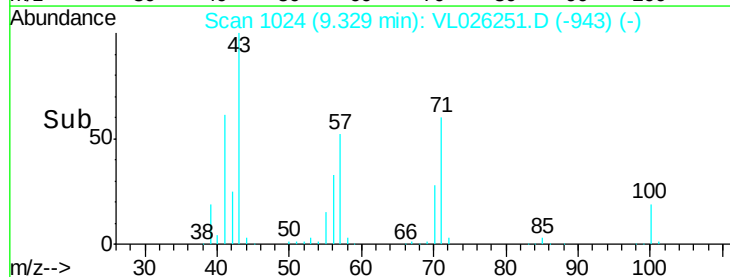


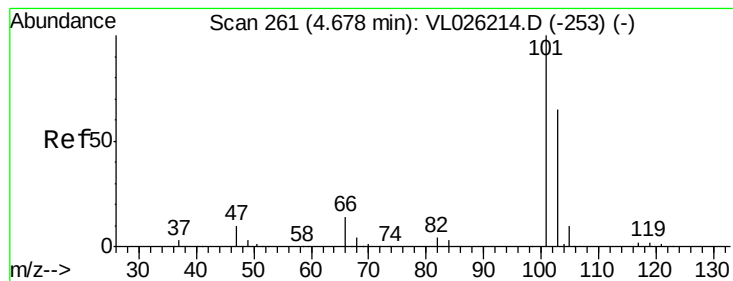
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



Time-->





#11

Trichlorofluoromethane

Concen: 11.63 ppbv

RT: 4.67 min Scan# 260

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1059872

Ion Ratio Lower Upper

101 100

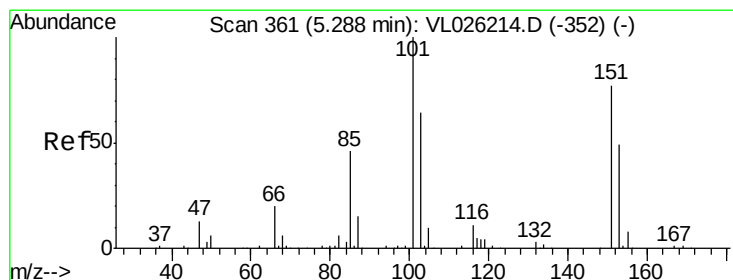
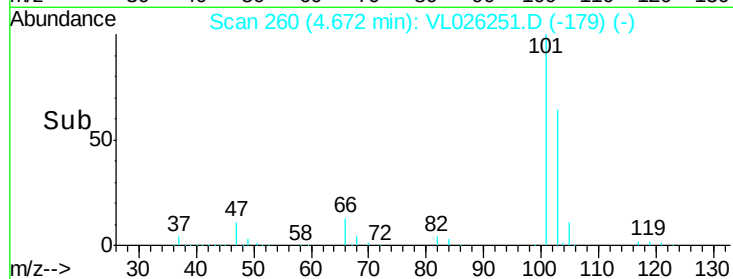
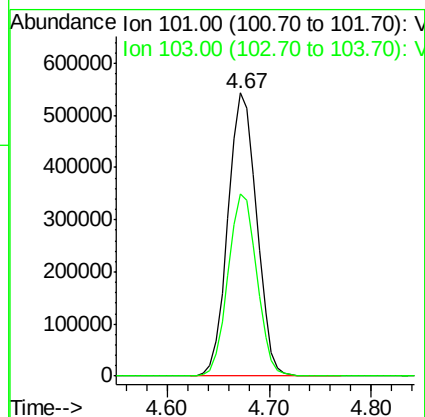
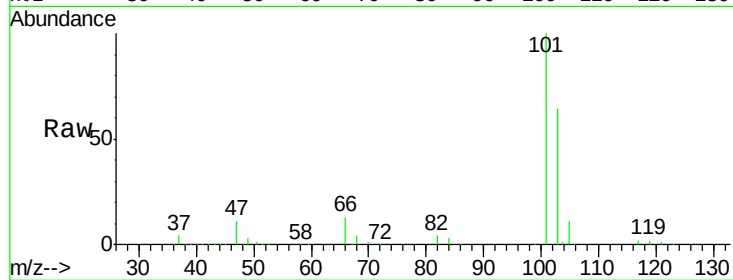
103 64.4 52.2 78.2

Manual Integrations

APPROVED

MMDadoda

10/22/2015 4:36:18 PM



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.81 ppbv

RT: 5.28 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL026251.D

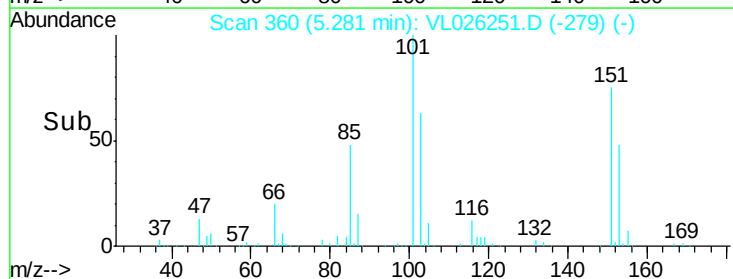
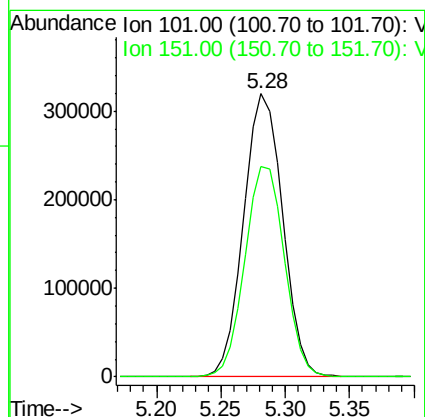
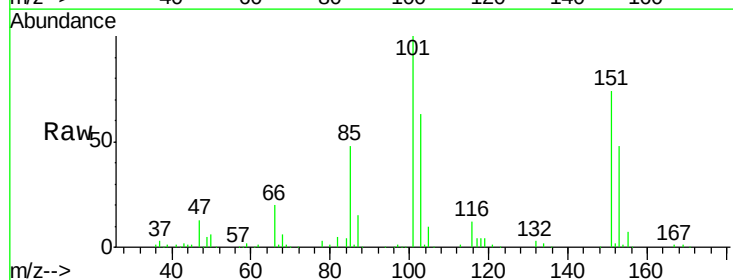
Acq: 21 Oct 2015 23:40

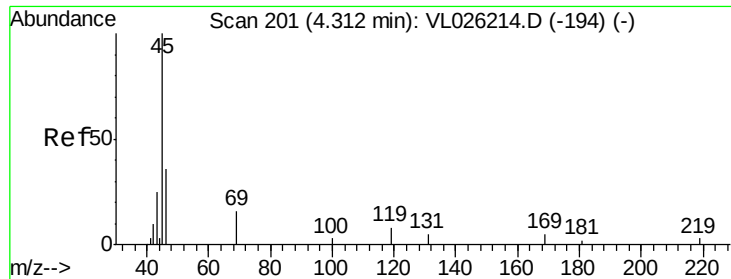
Tgt Ion:101 Resp: 672407

Ion Ratio Lower Upper

101 100

151 75.4 61.7 92.5





#13

Ethanol

Concen: 11.35 ppbv

RT: 4.31 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 45218

Ion Ratio Lower Upper

45 100

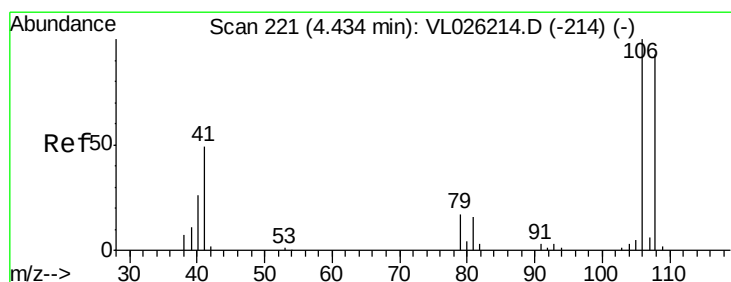
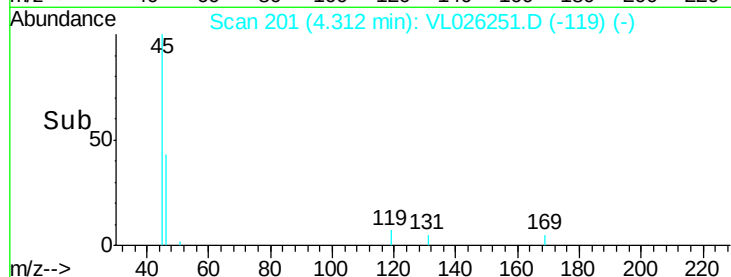
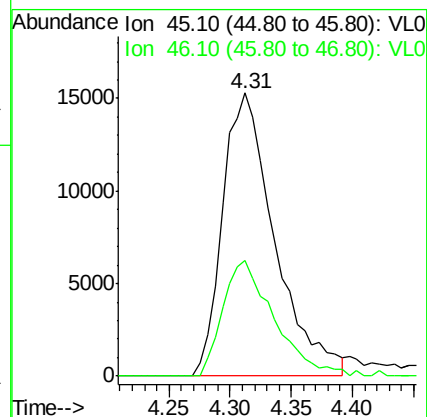
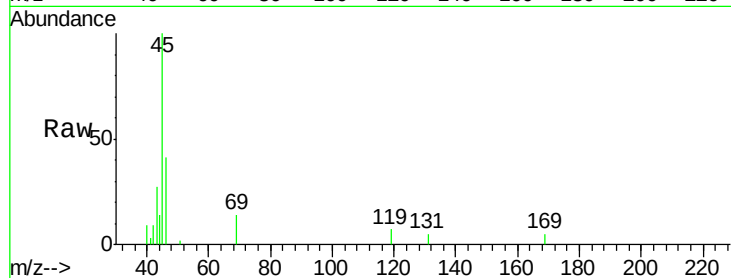
46 40.6 15.8 63.0

Manual Integrations

APPROVED

MMDadoda

10/22/2015 4:36:18 PM



#14

Bromoethene

Concen: 11.21 ppbv

RT: 4.43 min Scan# 221

Delta R.T. 0.00 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

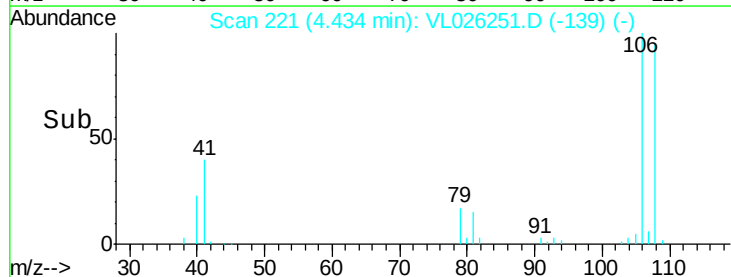
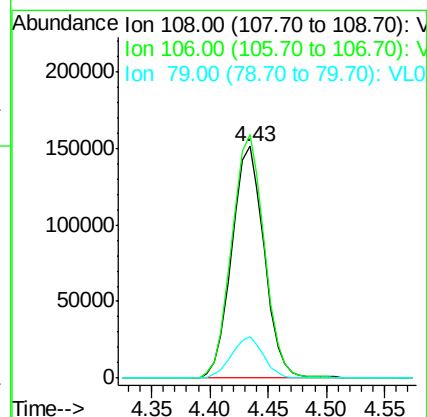
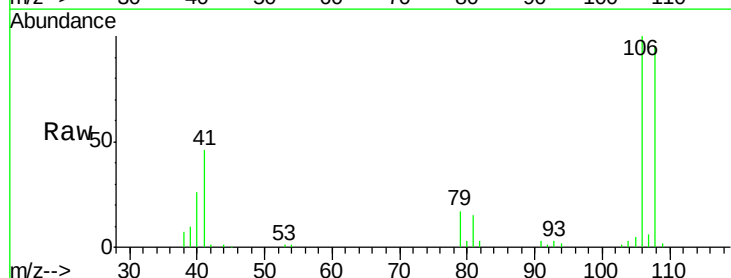
Tgt Ion: 108 Resp: 294336

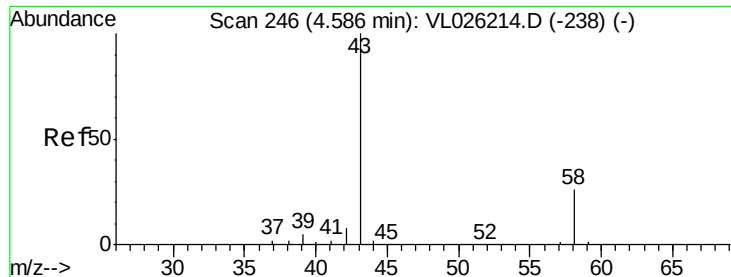
Ion Ratio Lower Upper

108 100

106 105.7 84.7 127.1

79 17.5 14.0 21.0





#15

Acetone

Concen: 9.75 ppbv

RT: 4.58 min Scan# 245

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Tot Ion: 43 Resp: 643417

Ion Ratio Lower Upper

43 100

58 26.2 21.8 32.6

Instrument :

MSVOA_L

ClientSampleId :

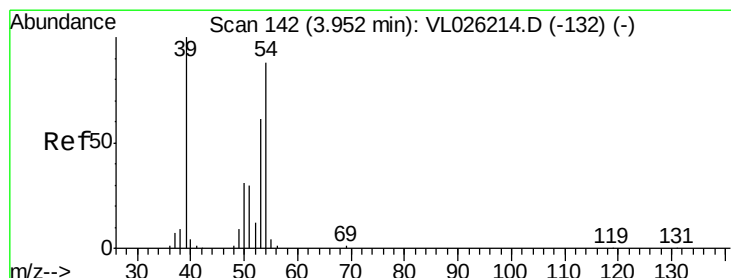
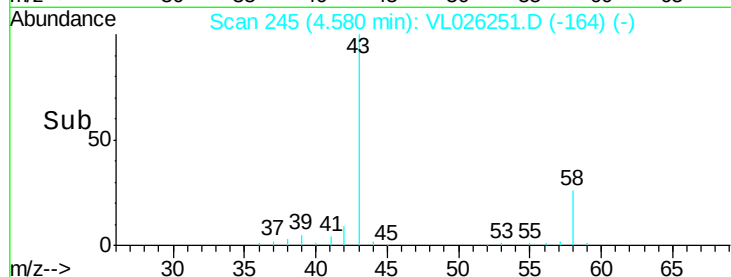
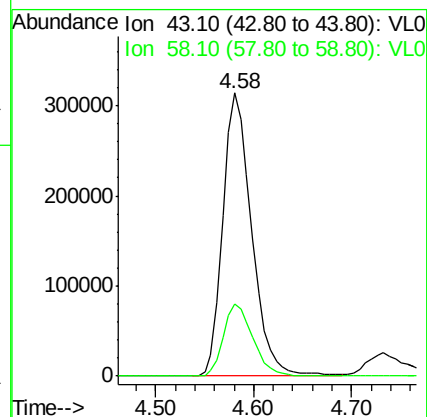
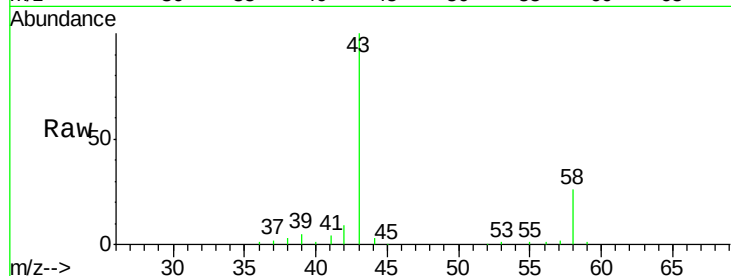
VSTDCCC010EC

Manual Integrations

APPROVED

MMDadoda

10/22/2015 4:36:18 PM



#16

1,3-Butadiene

Concen: 10.84 ppbv

RT: 3.95 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL026251.D

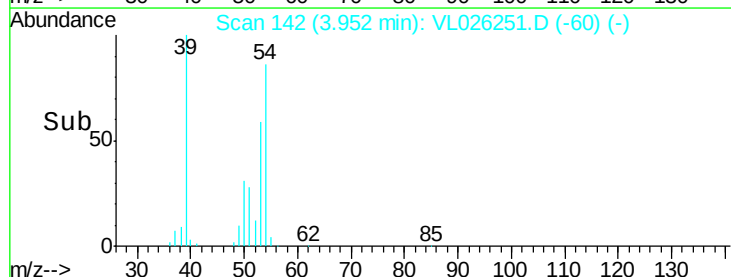
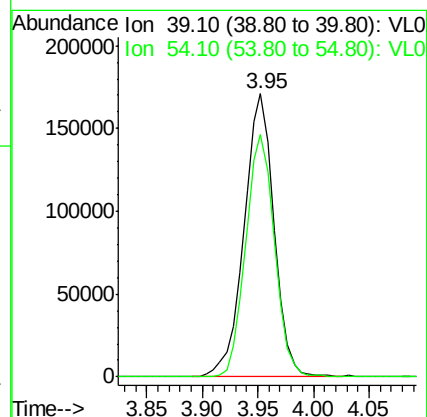
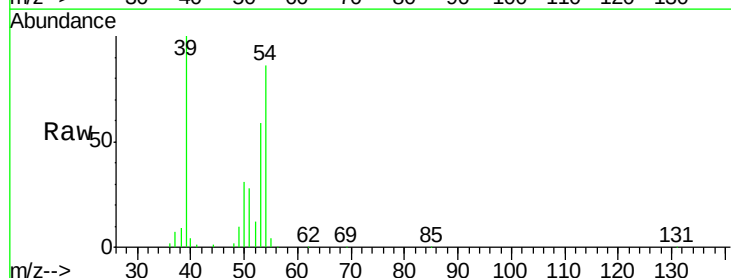
Acq: 21 Oct 2015 23:40

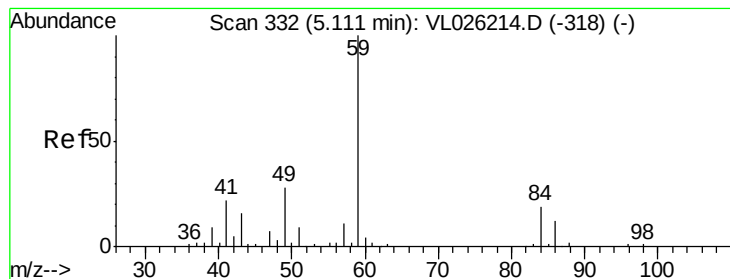
Tgt Ion: 39 Resp: 319043

Ion Ratio Lower Upper

39 100

54 82.7 67.3 100.9





#17

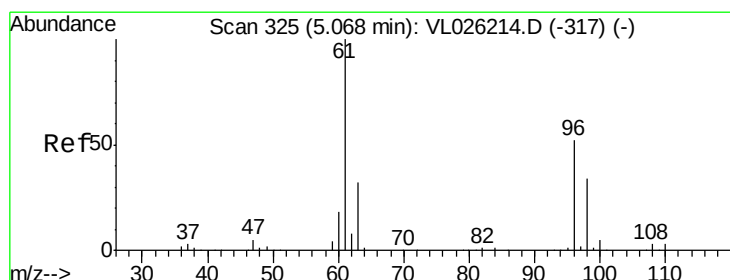
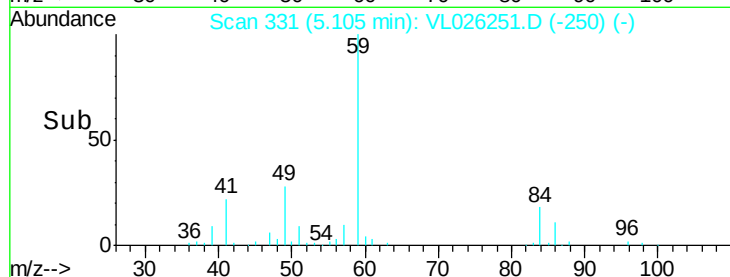
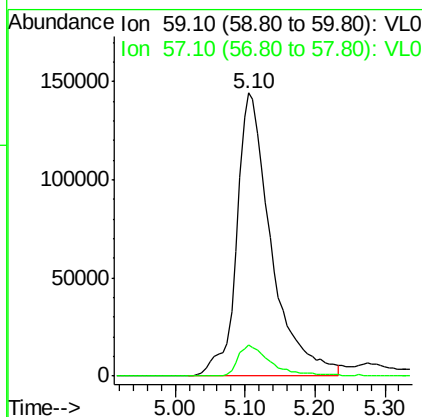
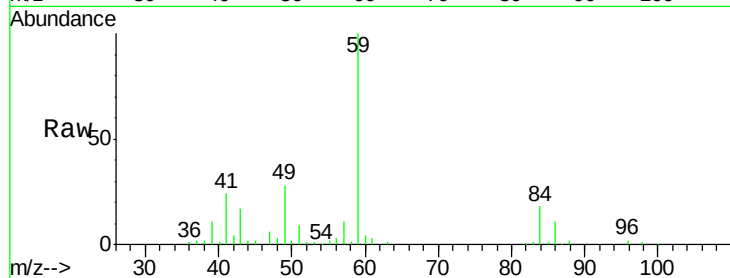
tert-Butyl alcohol
Concen: 10.97 ppbv
RT: 5.10 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	59	57	Ratio	100	10.9	Resp	494729	Lower	8.5	Upper	12.7
Ion	59	57	Ratio	100	10.9	Resp	494729	Lower	8.5	Upper	12.7

Manual Integrations
APPROVED

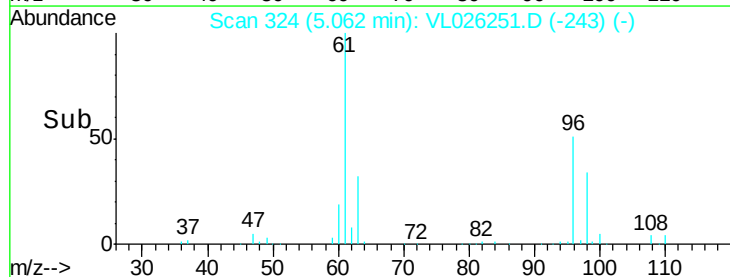
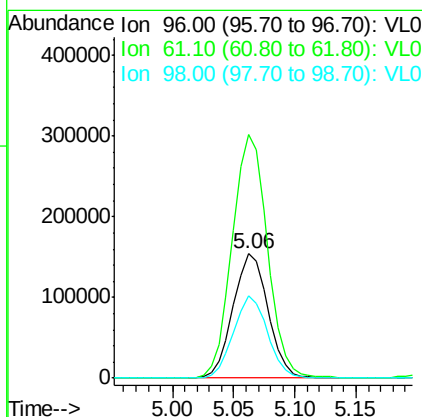
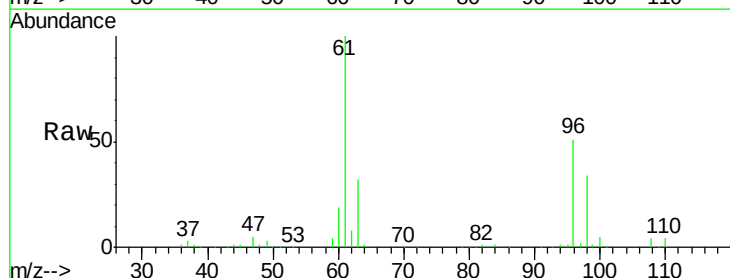
MMDadoda
10/22/2015 4:36:18 PM

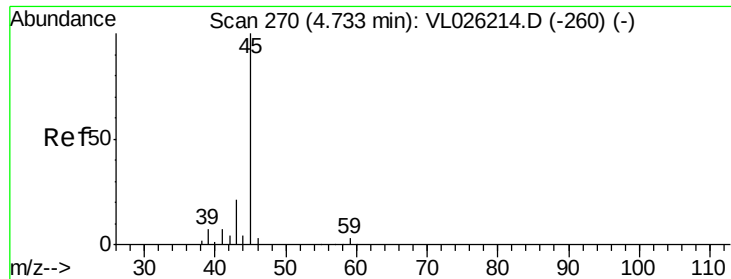


#18

1,1-Dichloroethene
Concen: 10.91 ppbv
RT: 5.06 min Scan# 324
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion	96	61	98	Ratio	100	195.5	65.8	Resp	306343	Lower	153.7	51.6	Upper	230.5	77.4
Ion	96	61	98	Ratio	100	195.5	65.8	Resp	306343	Lower	153.7	51.6	Upper	230.5	77.4





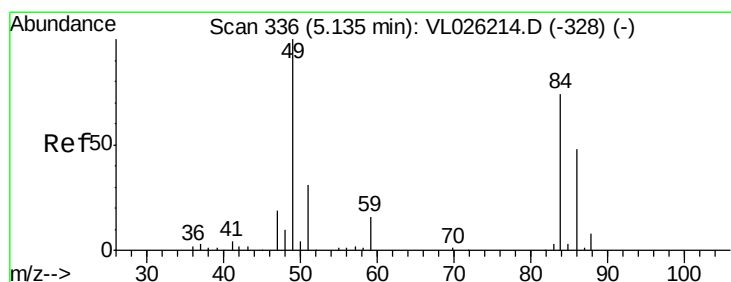
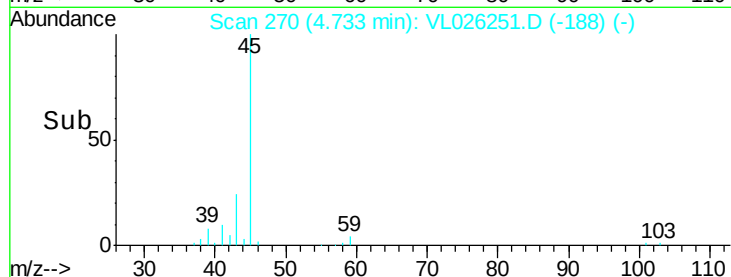
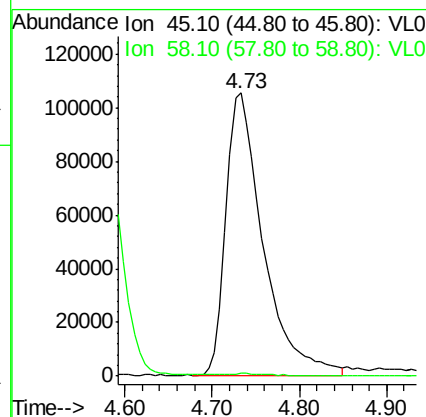
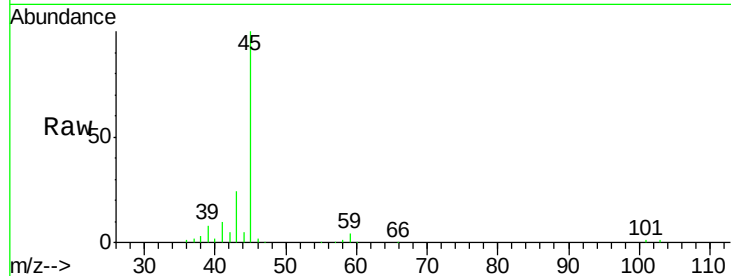
#19
Isopropyl Alcohol
Concen: 12.19 ppbv
RT: 4.73 min Scan# 270
Delta R.T. 0.00 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 314504
Ion Ratio Lower Upper
45 100
58 53.7 40.3 60.5

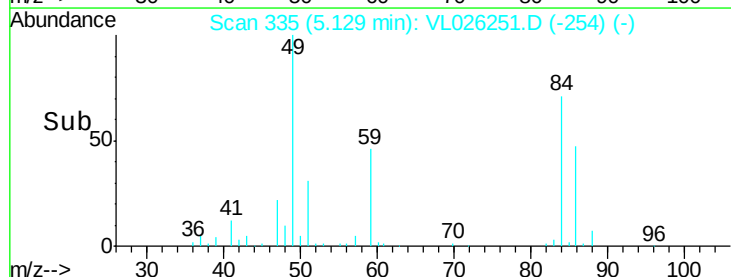
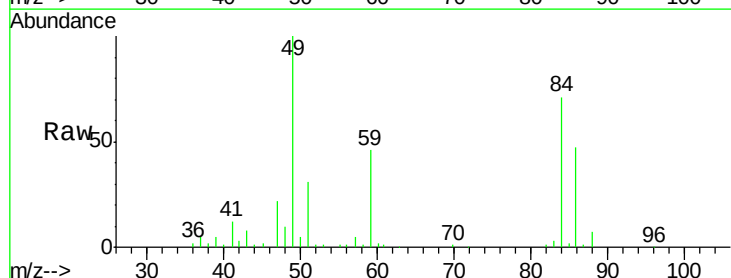
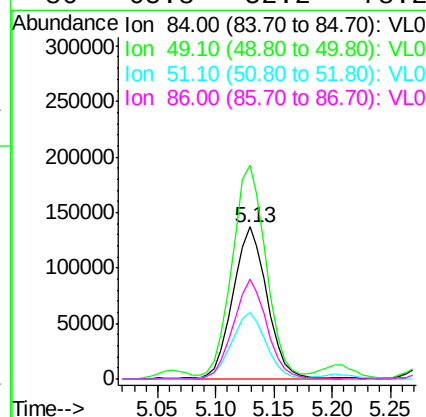
Manual Integrations
APPROVED

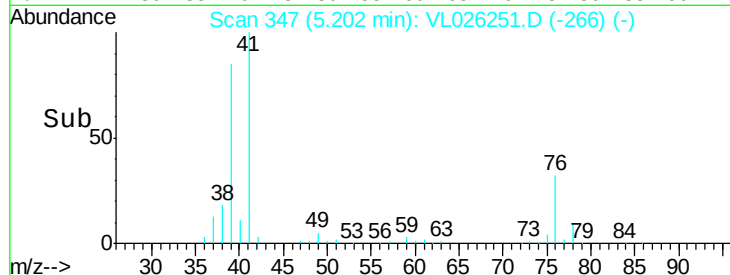
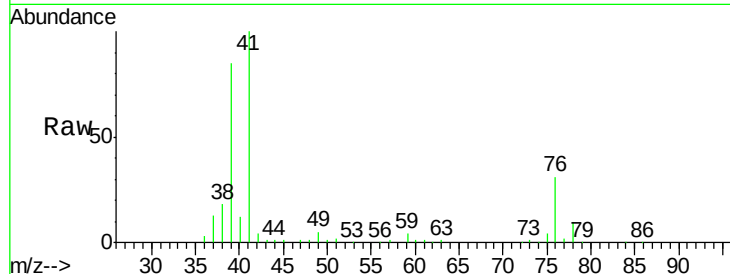
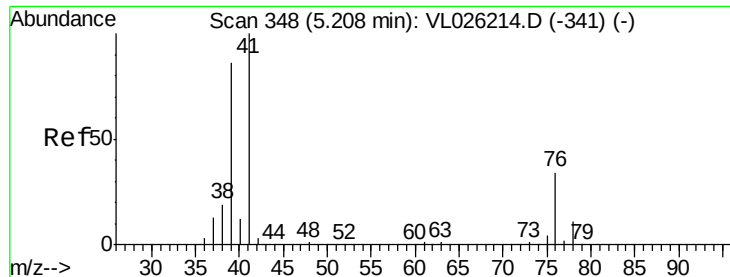
MMDadoda
10/22/2015 4:36:18 PM



#20
Methylene Chloride
Concen: 10.66 ppbv
RT: 5.13 min Scan# 335
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion: 84 Resp: 280620
Ion Ratio Lower Upper
84 100
49 138.8 108.7 163.1
51 43.4 33.7 50.5
86 65.8 52.2 78.2





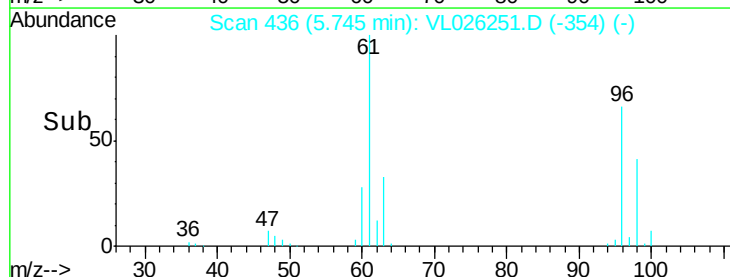
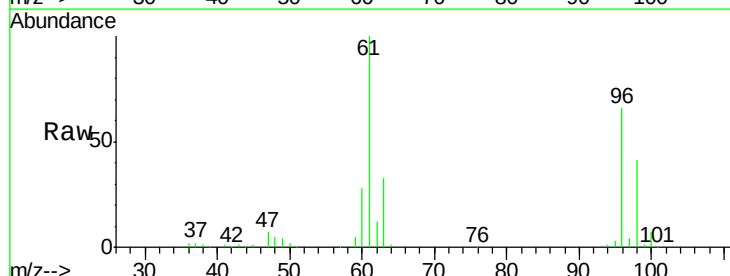
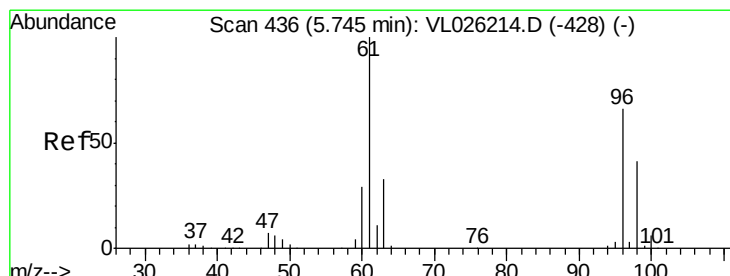
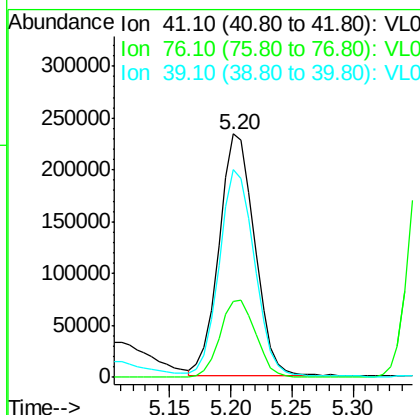
#21
Allvl Chloride
Concen: 10.92 ppbv
RT: 5.20 min Scan# 347
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.5	26.6	39.8
39	85.9	67.4	101.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

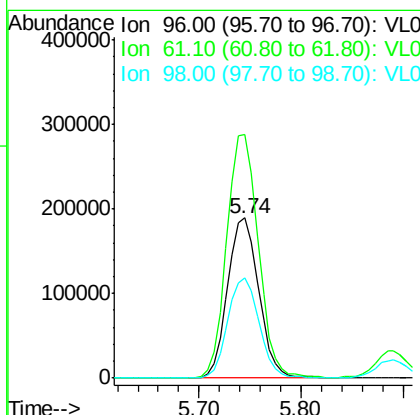
Manual Integrations
APPROVED

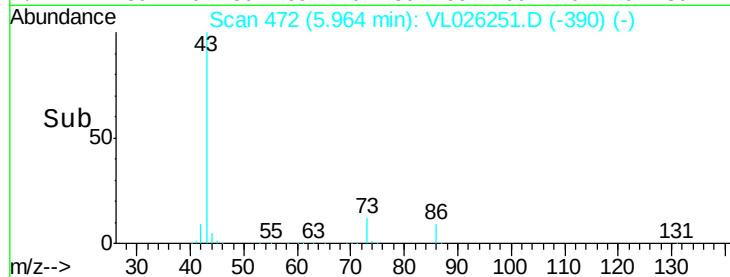
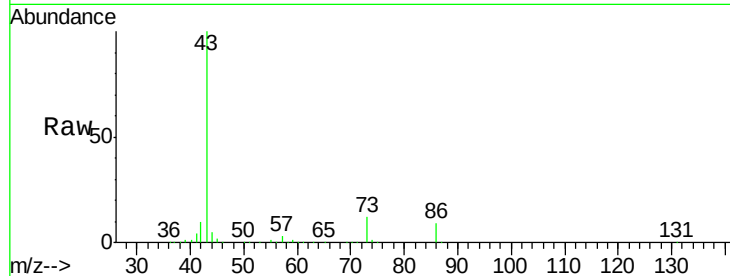
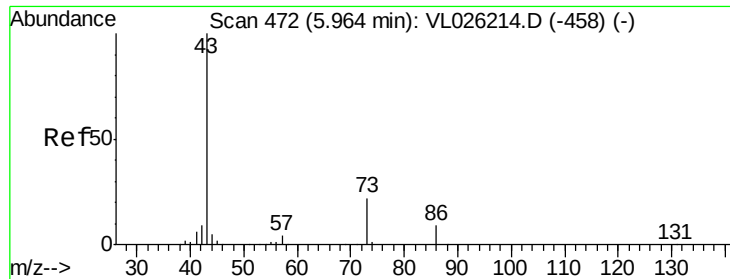
MMDadoda
10/22/2015 4:36:18 PM



#22
trans-1,2-Dichloroethene
Concen: 11.09 ppbv
RT: 5.74 min Scan# 436
Delta R.T. 0.00 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	121.5	182.3
98	62.8	49.7	74.5





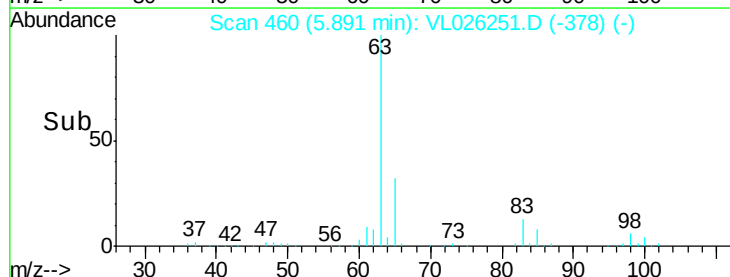
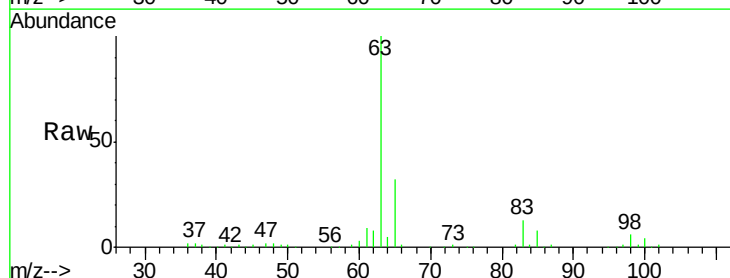
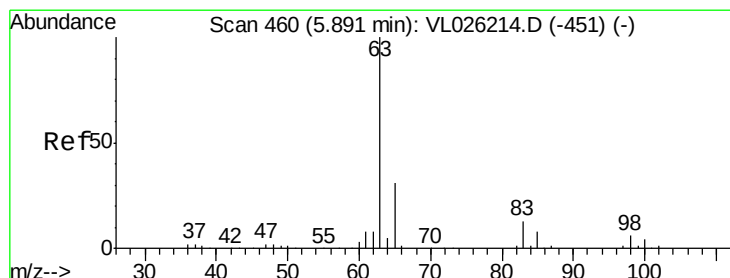
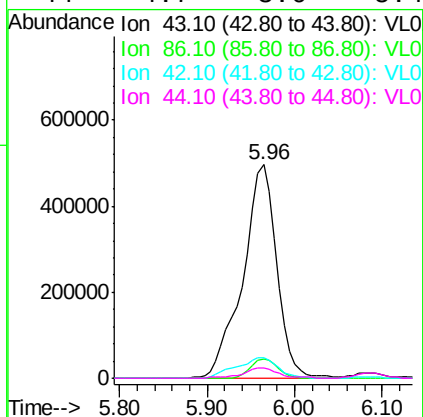
#23
 Vinyl Acetate
 Concen: 10.97 ppbv
 RT: 5.96 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tot Ion	43	86	42	44
Ion	100	9.1	9.5	4.7
Ratio				
Lower		7.0	7.5	3.6
Upper		10.6	11.3	5.4

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

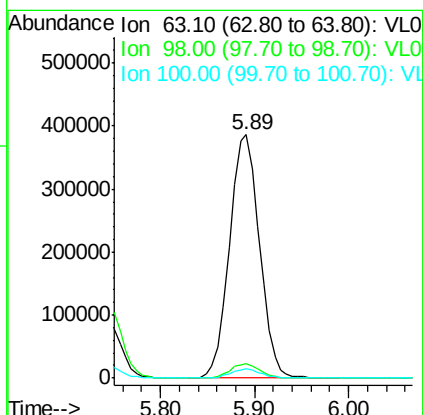
Manual Integrations
 APPROVED

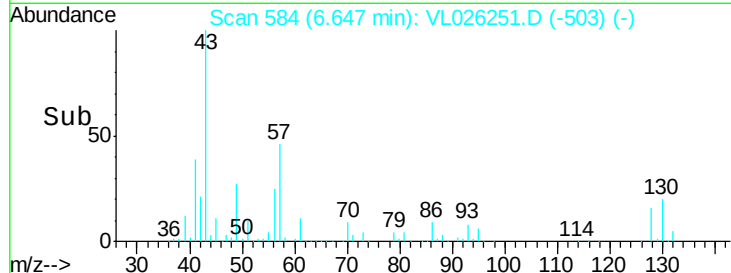
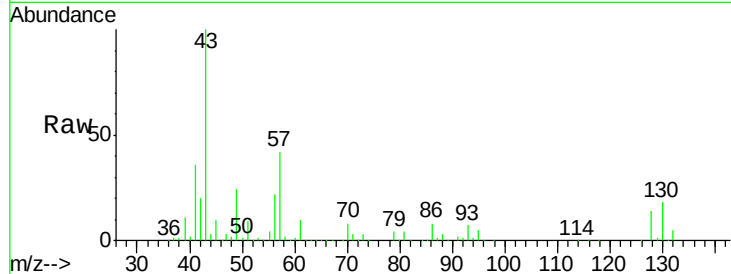
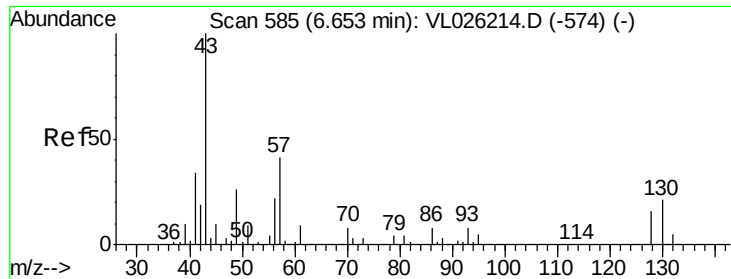
MMDadoda
 10/22/2015 4:36:18 PM



#24
 1,1-Dichloroethane
 Concen: 11.08 ppbv
 RT: 5.89 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion	63	98	100
Ion	100	5.8	3.6
Ratio			
Lower		2.9	1.8
Upper		8.8	5.5





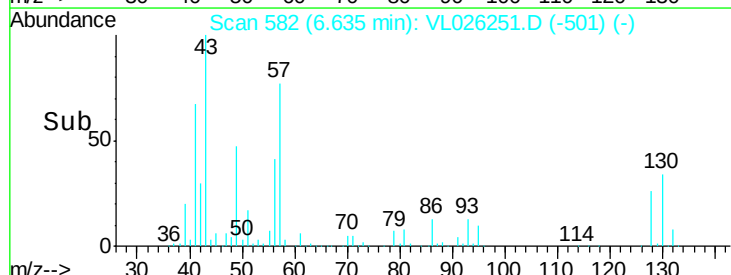
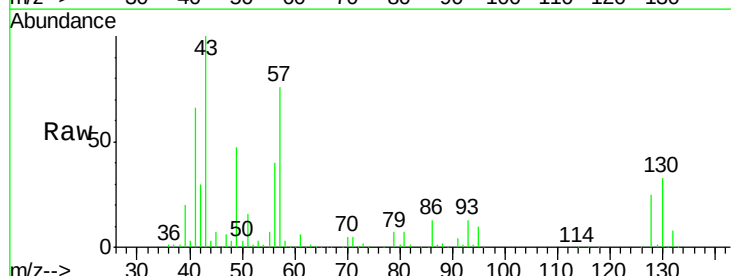
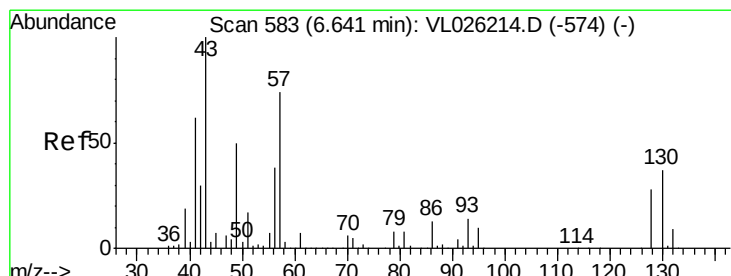
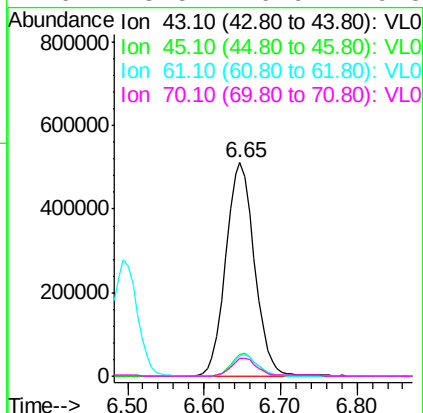
#25
Ethyl Acetate
Concen: 10.66 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tot Ion	43	Ratio	100	Resp	1318953
Ion	43	Ratio	100	Lower	Upper
45	9.6	7.7	11.5		
61	9.2	7.5	11.3		
70	8.5	6.9	10.3		

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

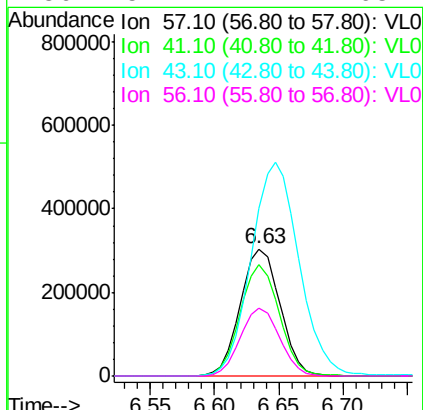
Manual Integrations
APPROVED

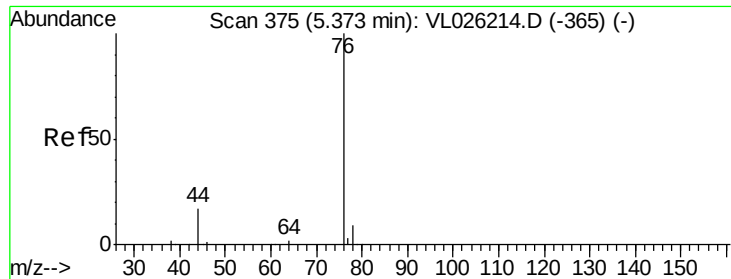
MMDadoda
10/22/2015 4:36:18 PM



#26
Hexane
Concen: 10.54 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion	57	Ratio	100	Resp	651384
Ion	57	Ratio	100	Lower	Upper
41	87.1	68.1	102.1		
43	203.6	163.4	245.2		
56	52.7	42.2	63.4		





#27

Carbon Disulfide

Concen: 11.04 ppbv

RT: 5.37 min Scan# 374

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

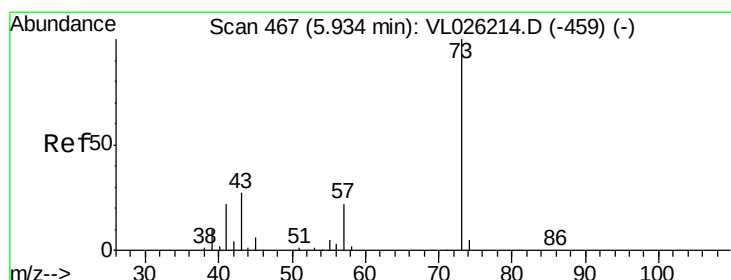
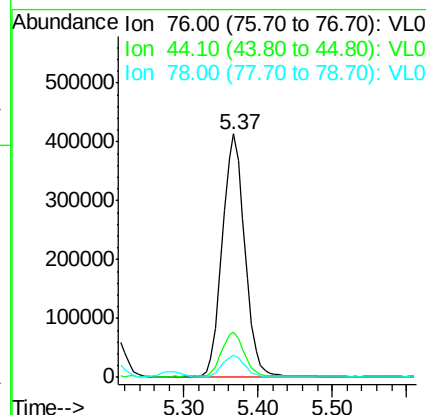
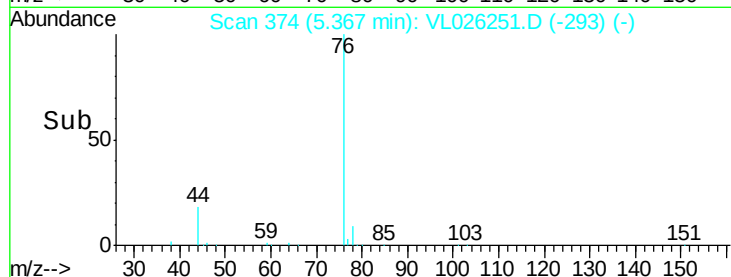
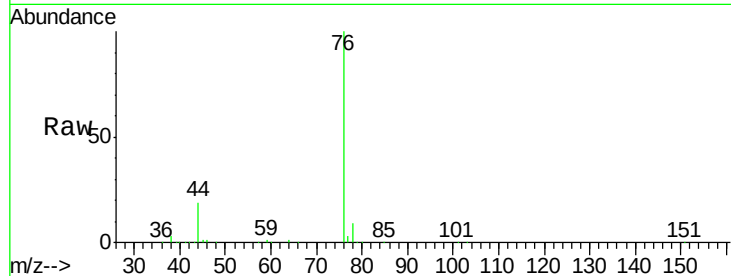
ClientSampleId :

VSTDCCC010EC

Tot Ion:	76	Resp:	872621
Ion Ratio	Lower	Upper	
76	100		
44	18.5	14.0	21.0
78	9.3	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
10/22/2015 4:36:18 PM



#28

Methyl tert-Butyl Ether

Concen: 10.76 ppbv

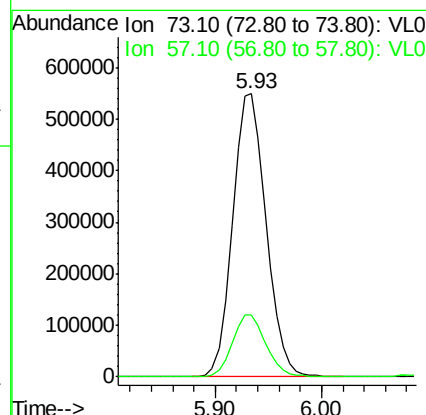
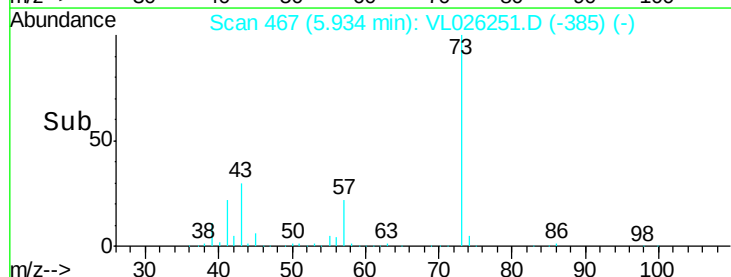
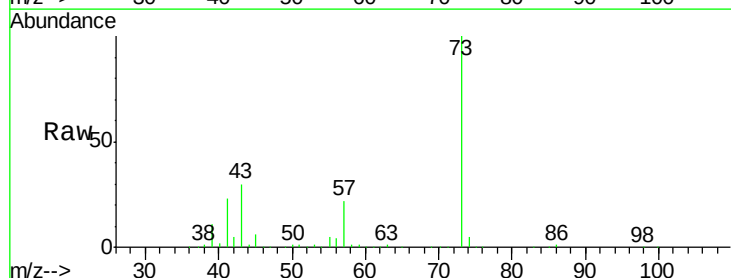
RT: 5.93 min Scan# 467

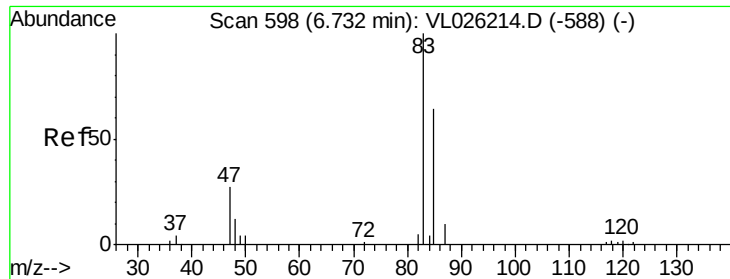
Delta R.T. 0.00 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Tgt Ion:	73	Resp:	1209382
Ion Ratio	Lower	Upper	
73	100		
57	22.1	17.4	26.0





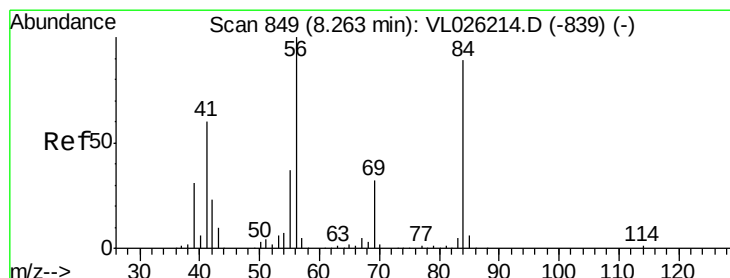
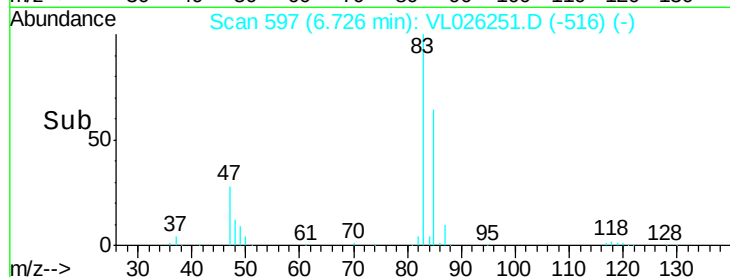
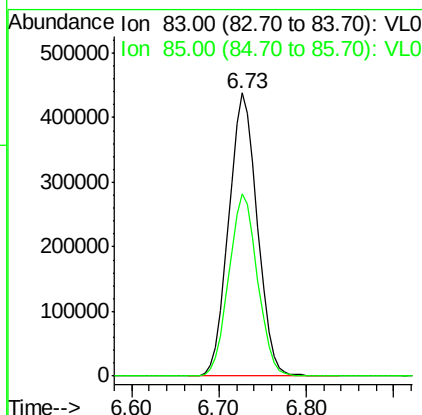
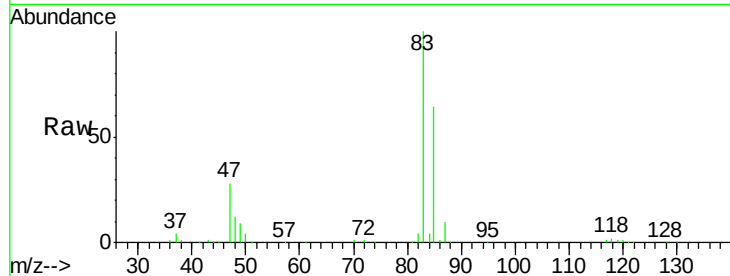
#29
Chloroform
Concen: 11.11 ppbv
RT: 6.73 min Scan# 597
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	996729
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.5	77.3

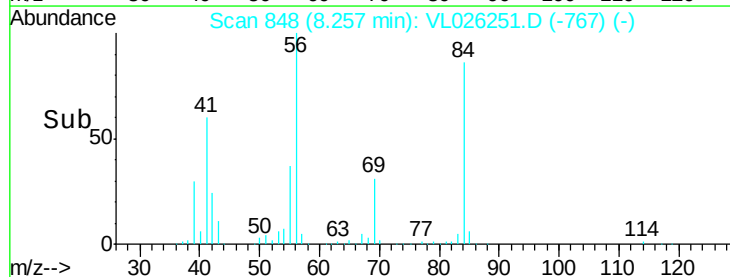
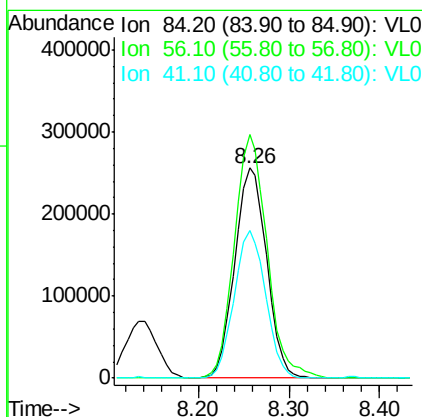
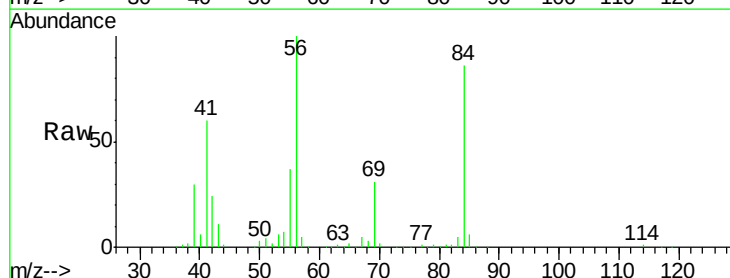
Manual Integrations
APPROVED

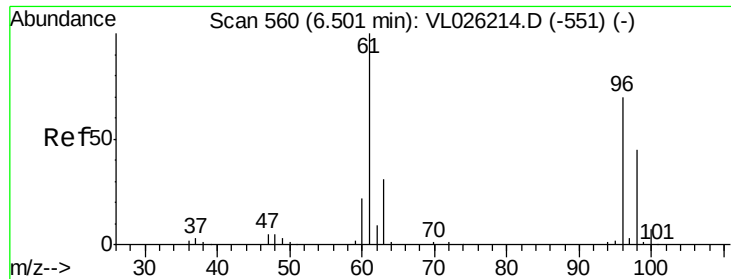
MMDadoda
10/22/2015 4:36:18 PM



#30
Cyclohexane
Concen: 10.12 ppbv
RT: 8.26 min Scan# 848
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion	84	Resp	625908
Ion Ratio	100	Lower	Upper
84	100		
56	119.1	95.9	143.9
41	69.3	54.8	82.2





#31

cis-1,2-Dichloroethene

Concen: 11.12 ppbv

RT: 6.49 min Scan# 559

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

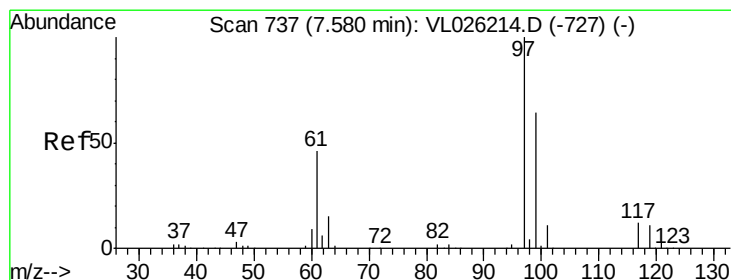
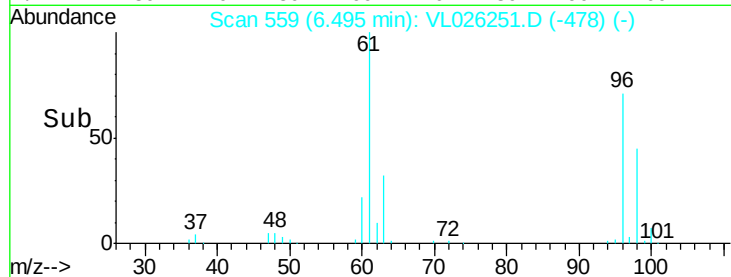
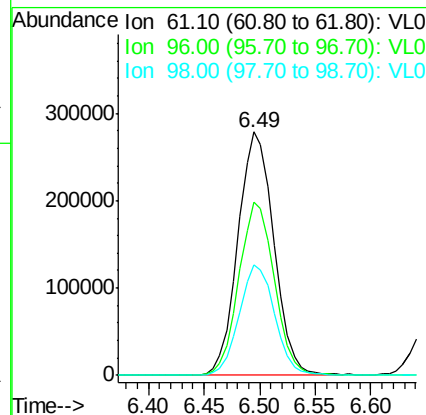
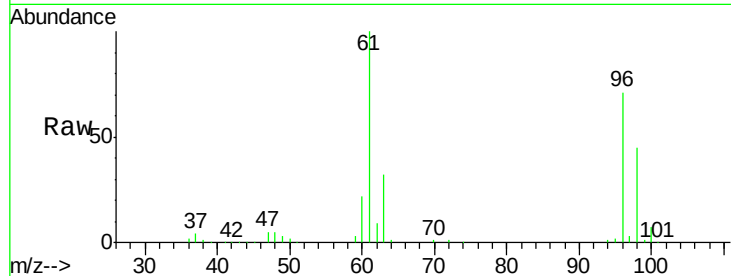
ClientSampleId :

VSTDCCC010EC

Tot Ion	61	Resp	623911
Ion	Ratio	Lower	Upper
61	100		
96	70.9	56.0	84.0
98	45.2	36.1	54.1

Manual Integrations
APPROVED

MMDadoda
10/22/2015 4:36:18 PM



#32

1,1,1-Trichloroethane

Concen: 10.37 ppbv

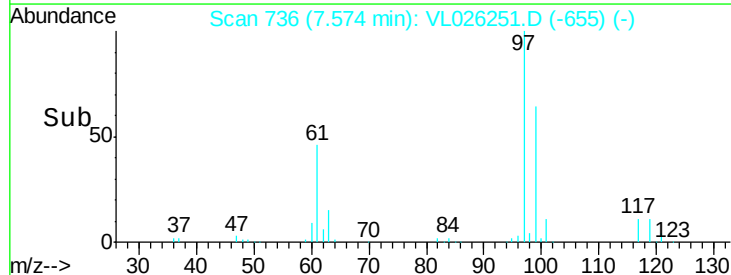
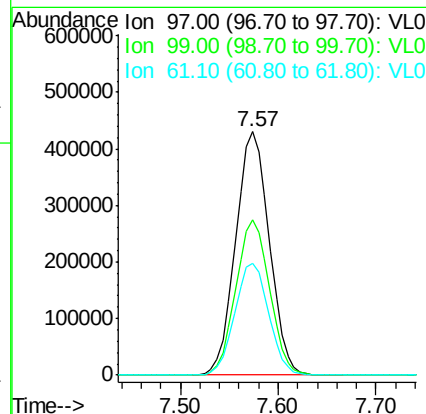
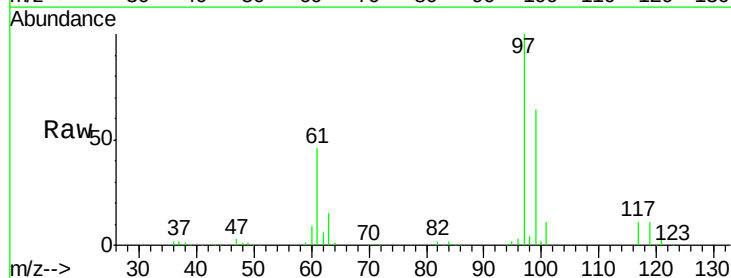
RT: 7.57 min Scan# 736

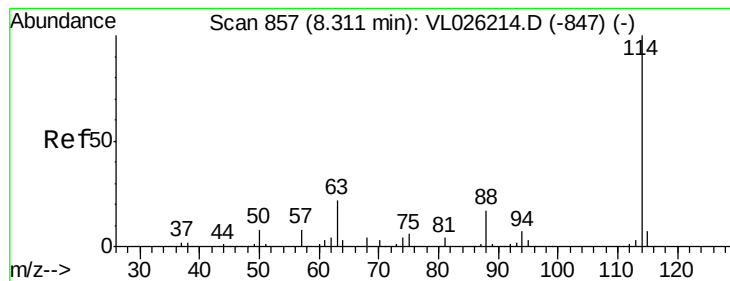
Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Tgt Ion	97	Resp	1031434
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	46.4	36.2	54.4





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.31 min Scan# 856

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 1308204

Ion Ratio Lower Upper

114 100

63 23.2 18.2 27.4

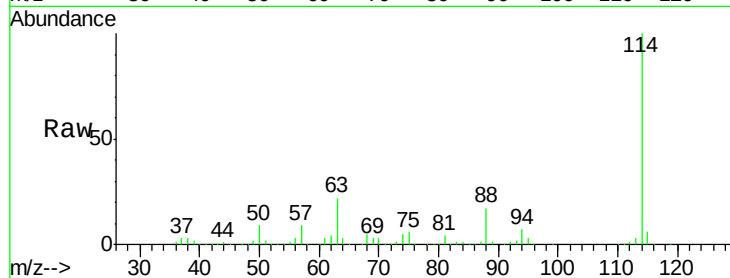
88 16.6 13.5 20.3

Manual Integrations

APPROVED

MMDadoda

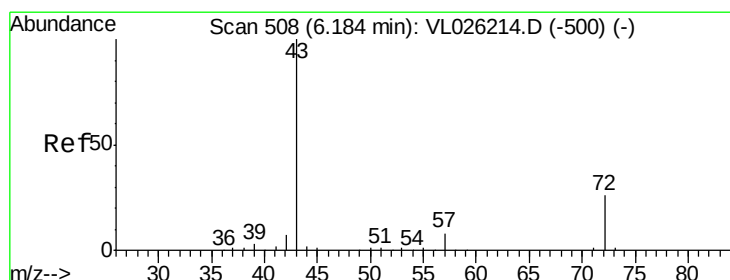
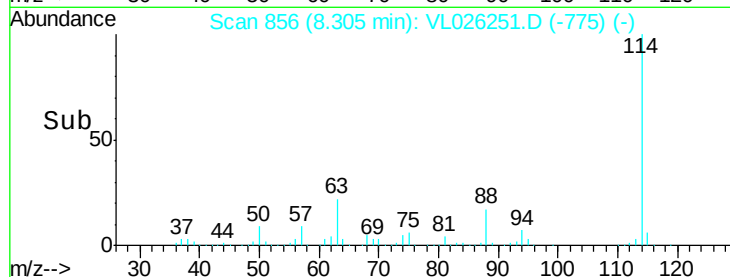
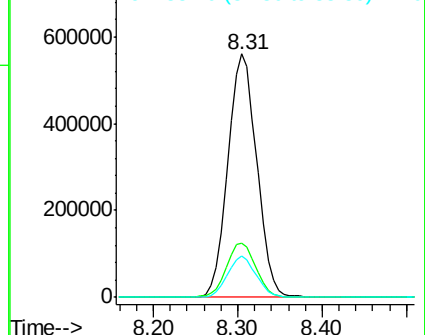
10/22/2015 4:36:18 PM



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: 11.24 ppbv

RT: 6.18 min Scan# 507

Delta R.T. -0.01 min

Lab File: VL026251.D

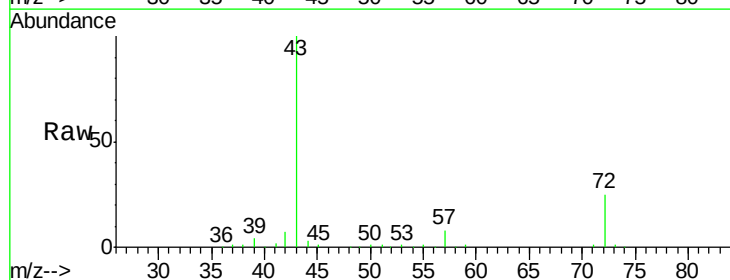
Acq: 21 Oct 2015 23:40

Tgt Ion: 43 Resp: 831011

Ion Ratio Lower Upper

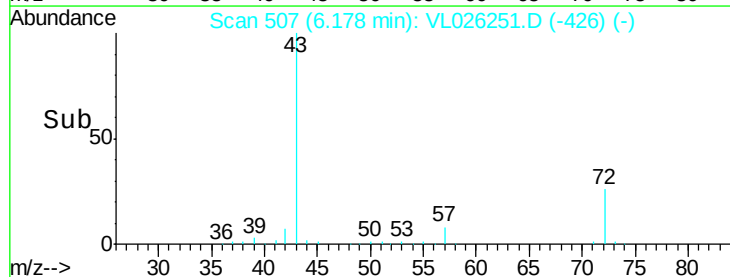
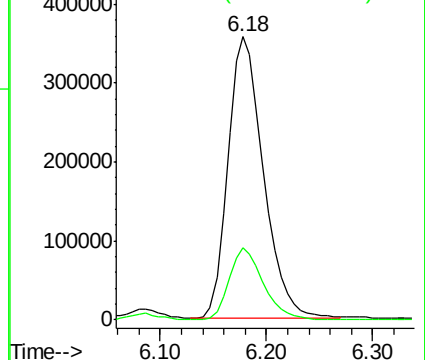
43 100

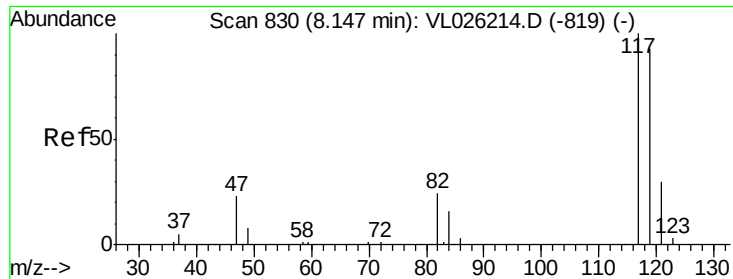
72 25.0 20.1 30.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.27 ppbv

RT: 8.13 min Scan# 828

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1023582

Ion Ratio Lower Upper

117 100

119 97.1 74.6 111.8

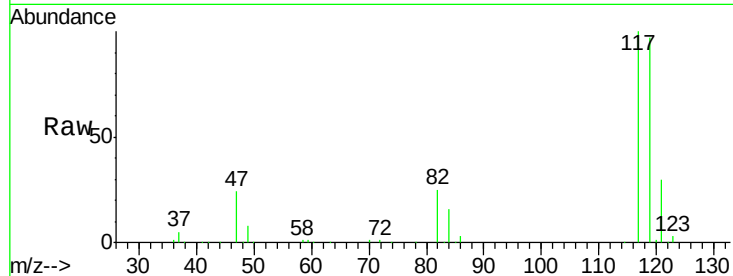
121 30.1 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

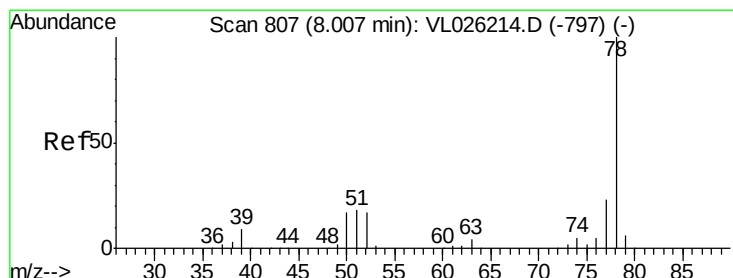
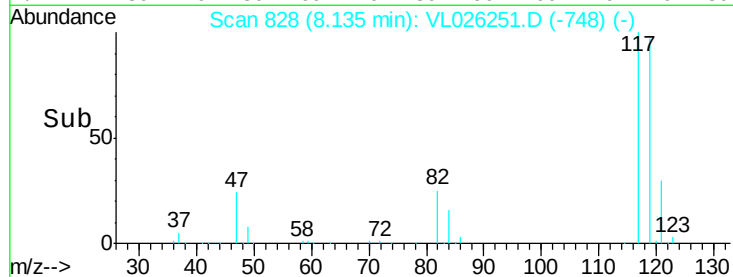
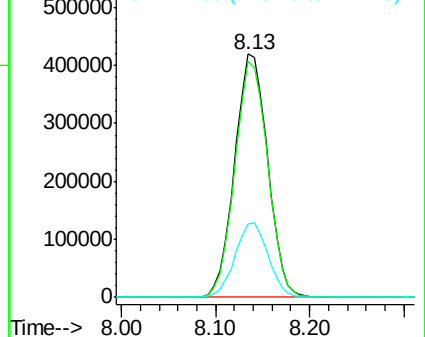
10/22/2015 4:36:18 PM



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: 10.62 ppbv

RT: 8.00 min Scan# 806

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

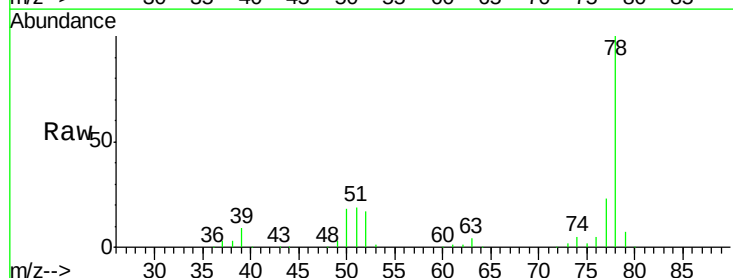
Tgt Ion: 78 Resp: 1414967

Ion Ratio Lower Upper

78 100

77 23.3 18.1 27.1

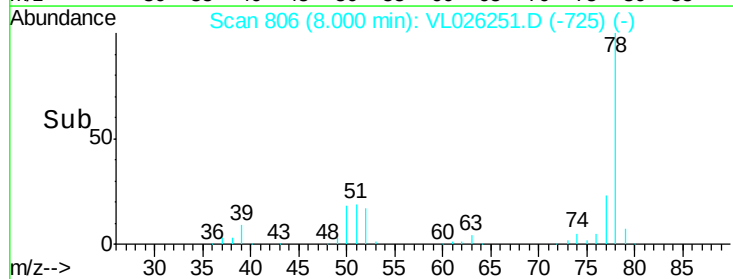
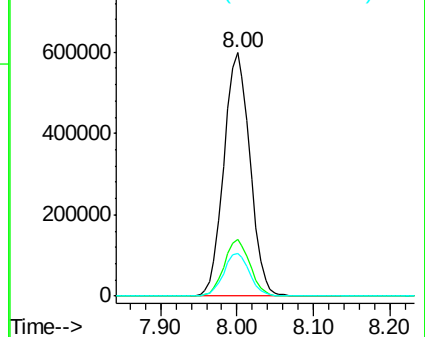
50 17.5 13.8 20.8

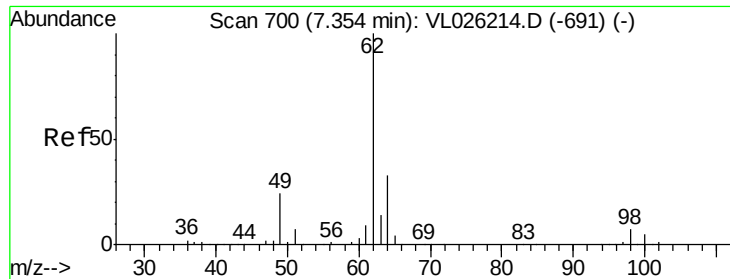


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





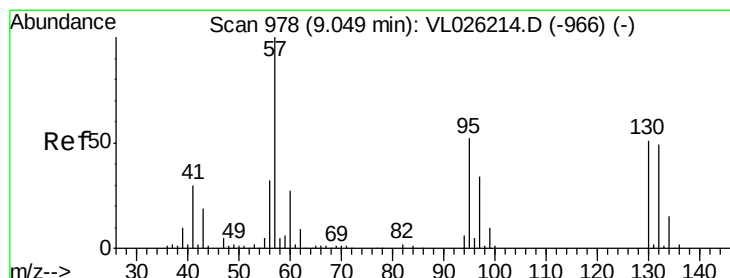
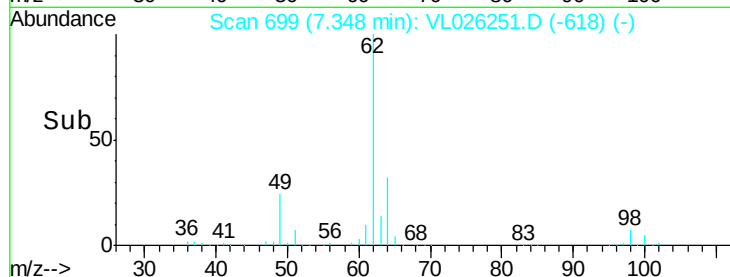
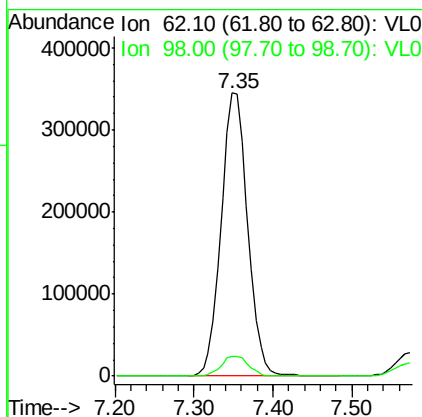
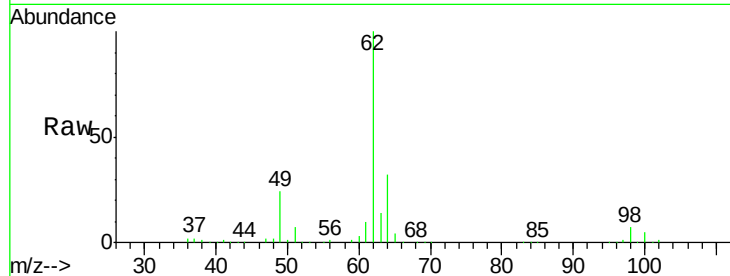
#37
 1,2-Dichloroethane
 Concen: 11.82 ppbv
 RT: 7.35 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
62	100	809724		
98	7.3		6.1	9.1

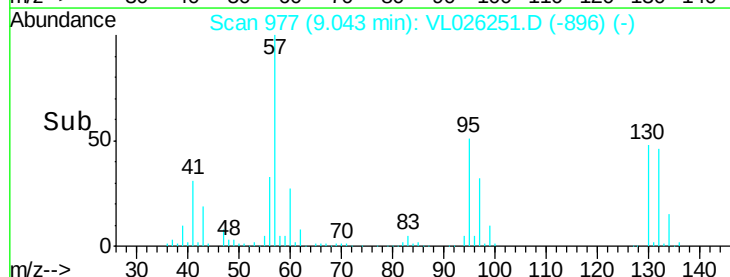
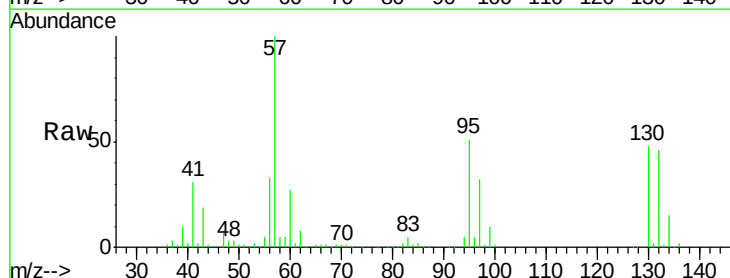
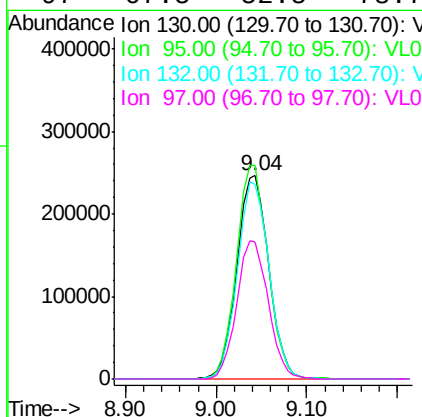
Manual Integrations
 APPROVED

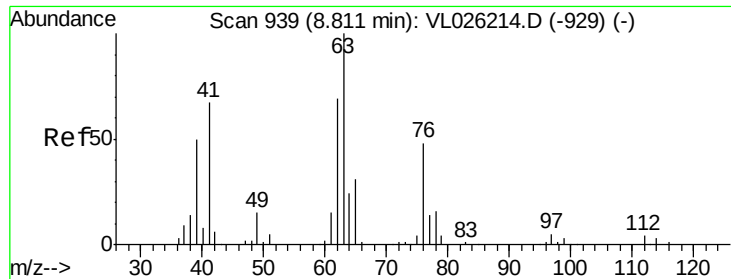
MMDadoda
 10/22/2015 4:36:18 PM



#38
 Trichloroethene
 Concen: 9.32 ppbv
 RT: 9.04 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	602365		
95	105.1		81.0	121.4
132	95.9		76.5	114.7
97	67.5		52.5	78.7





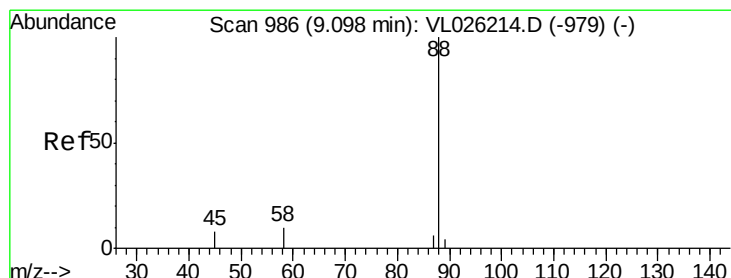
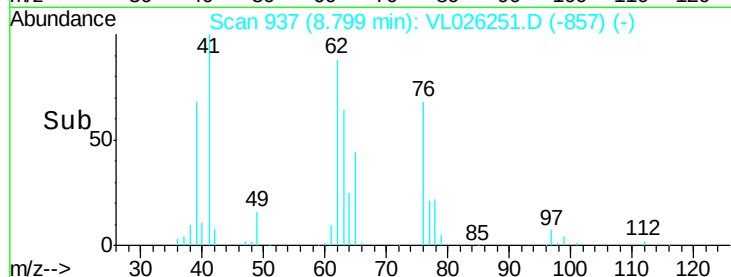
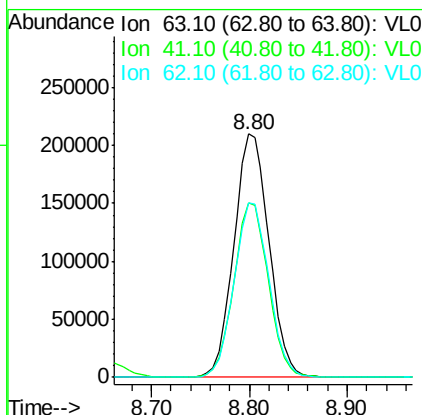
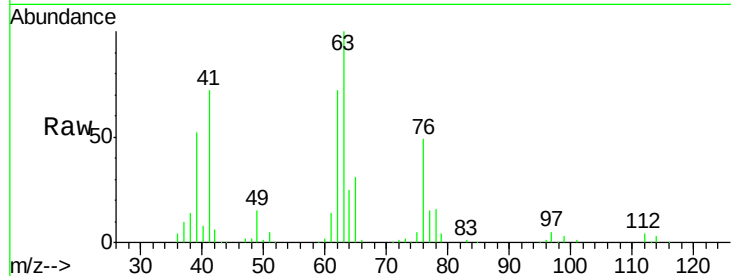
#39
 1,2-Dichloropropane
 Concen: 11.13 ppbv
 RT: 8.80 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	71.4	53.2	79.8
62	71.8	55.4	83.2

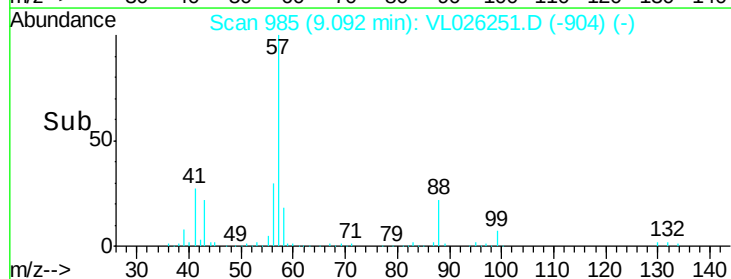
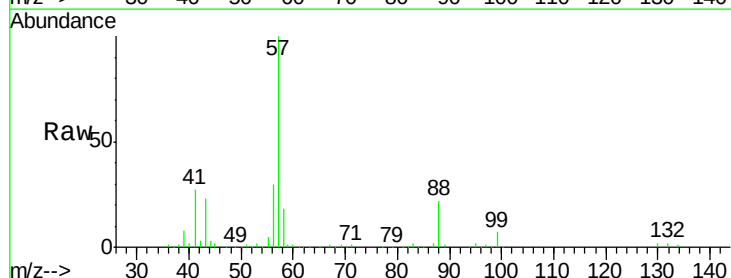
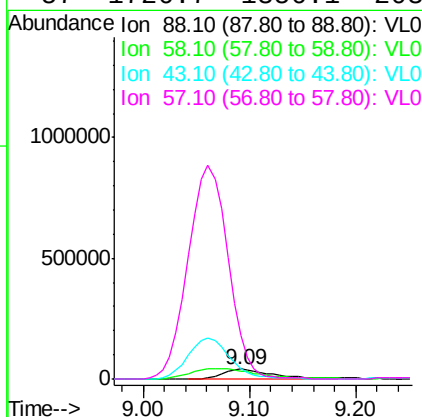
Manual Integrations
 APPROVED

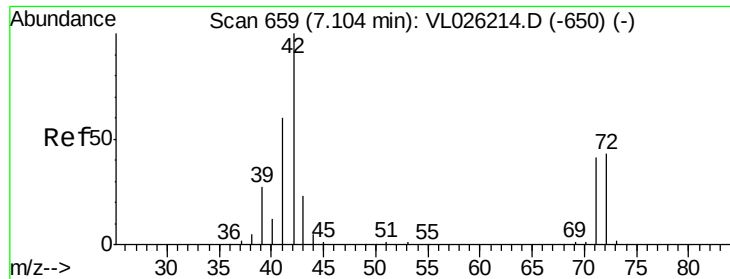
MMDadoda
 10/22/2015 4:36:18 PM



#40
 1,4-Dioxane
 Concen: 15.19 ppbv
 RT: 9.09 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	147.3	115.4	173.2
43	350.9	272.6	409.0
57	1726.7	1356.1	2034.1





#41

Tetrahydrofuran

Concen: 11.23 ppbv

RT: 7.10 min Scan# 658

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

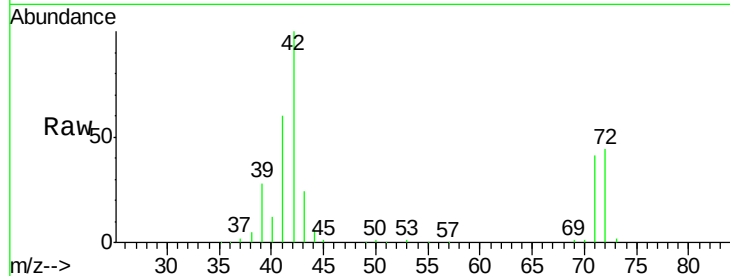
ClientSampleId :

VSTDCCC010EC

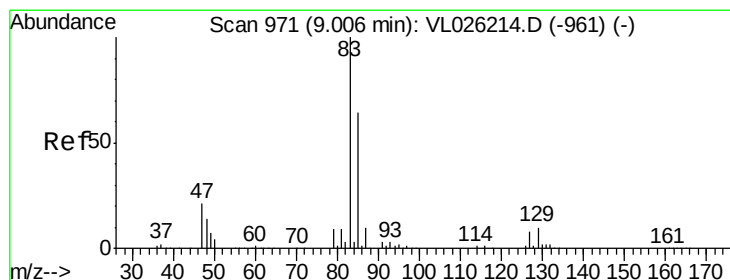
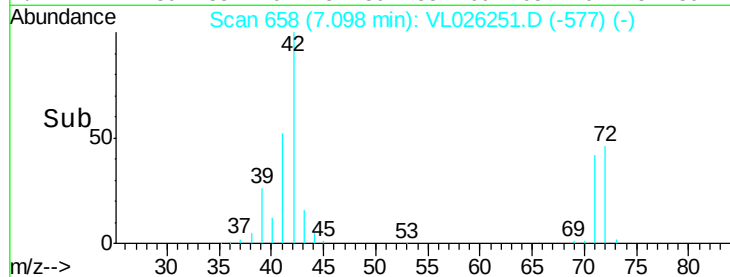
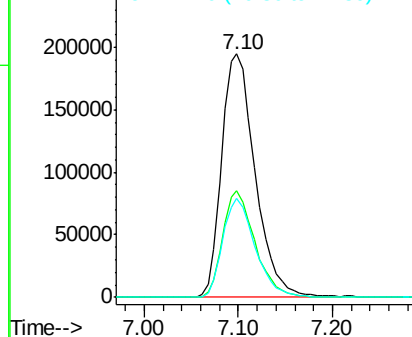
Tot Ion:	42	Resp:	480753
Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.3	51.5
71	39.4	32.1	48.1

Manual Integrations
APPROVED

MMDadoda
10/22/2015 4:36:18 PM



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: 11.41 ppbv

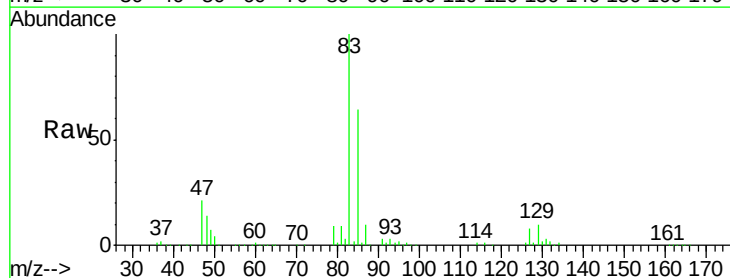
RT: 9.00 min Scan# 970

Delta R.T. -0.01 min

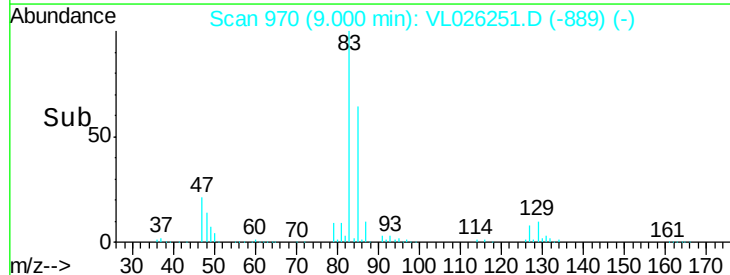
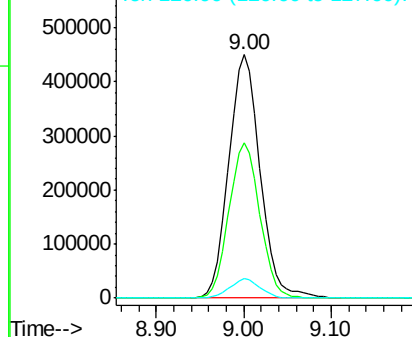
Lab File: VL026251.D

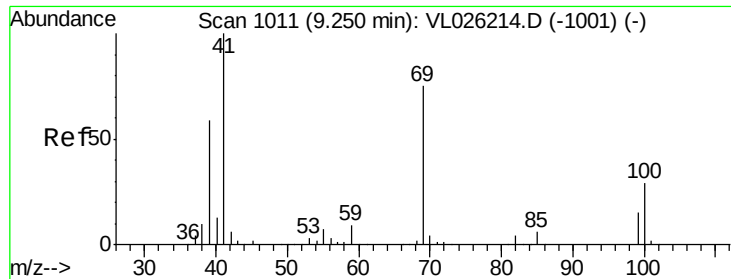
Acq: 21 Oct 2015 23:40

Tgt Ion:	83	Resp:	1123967
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	8.0	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





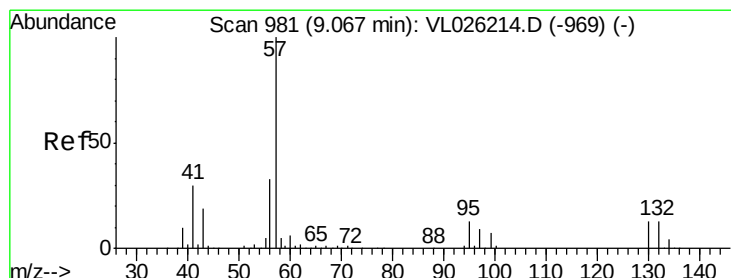
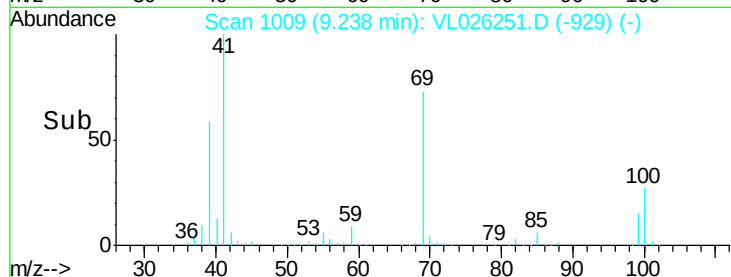
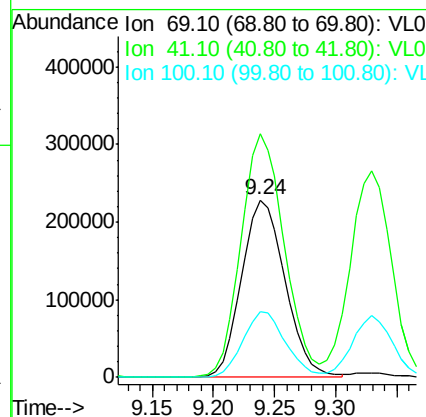
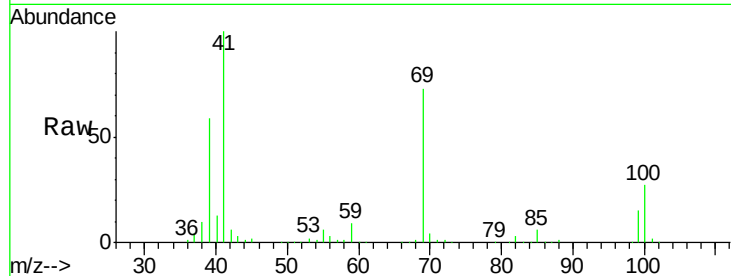
#43
Methyl Methacrylate
Concen: 11.68 ppbv
RT: 9.24 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 566553
Ion Ratio Lower Upper
69 100
41 137.2 108.4 162.6
100 36.6 30.6 45.8

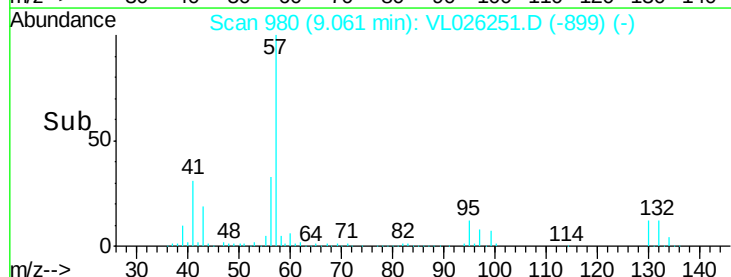
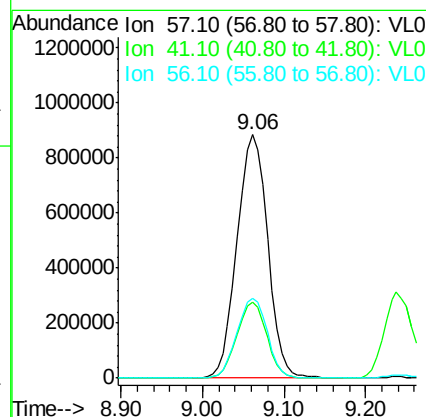
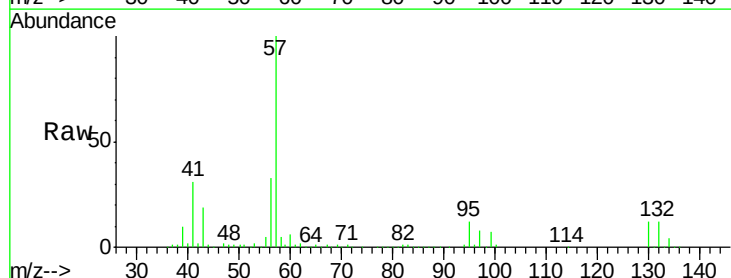
Manual Integrations
APPROVED

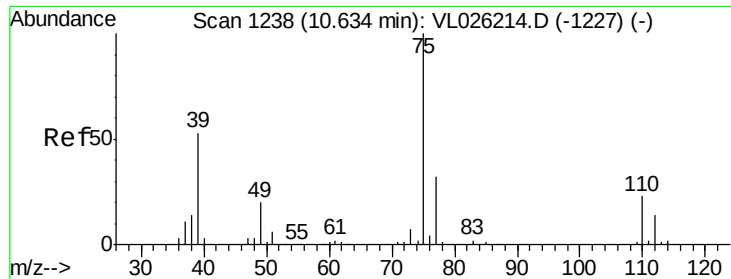
MMDadoda
10/22/2015 4:36:18 PM



#44
2,2,4-Trimethylpentane
Concen: 10.69 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion: 57 Resp: 2307090
Ion Ratio Lower Upper
57 100
41 30.1 23.7 35.5
56 32.4 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 11.67 ppbv

RT: 10.62 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 883272

Ion Ratio Lower Upper

75 100

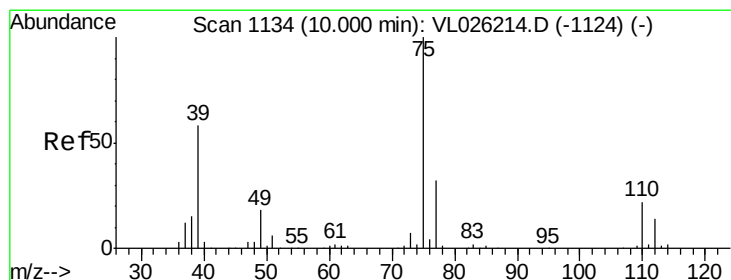
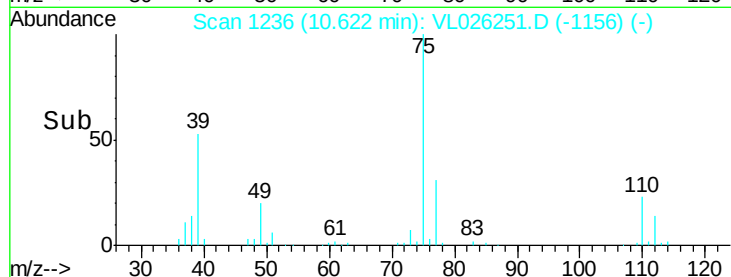
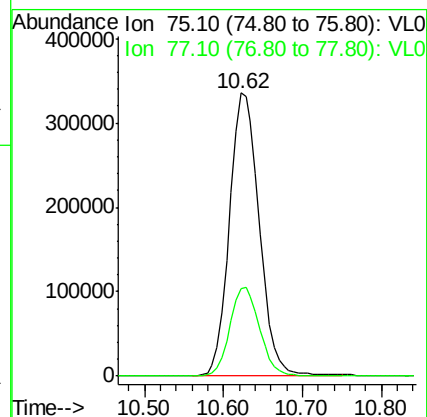
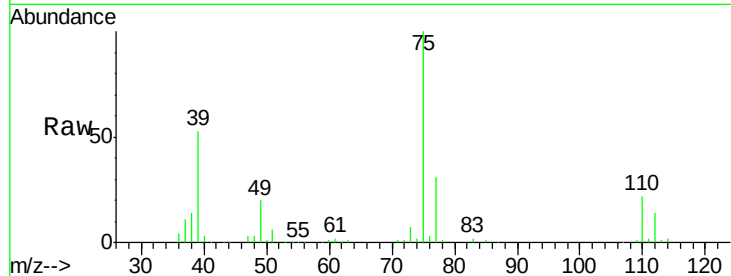
77 30.8 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/22/2015 4:36:18 PM



#46

cis-1,3-Dichloropropene

Concen: 11.39 ppbv

RT: 9.99 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

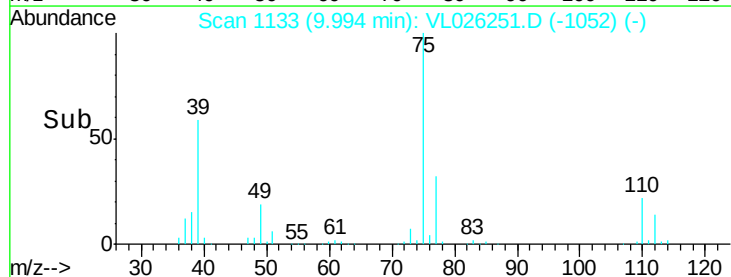
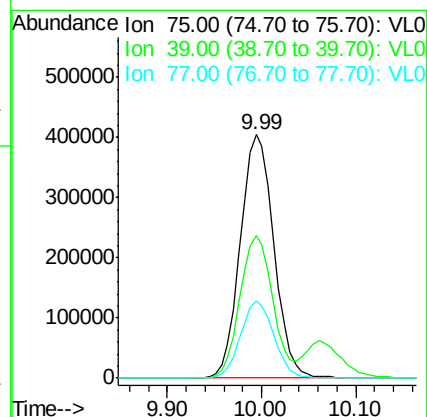
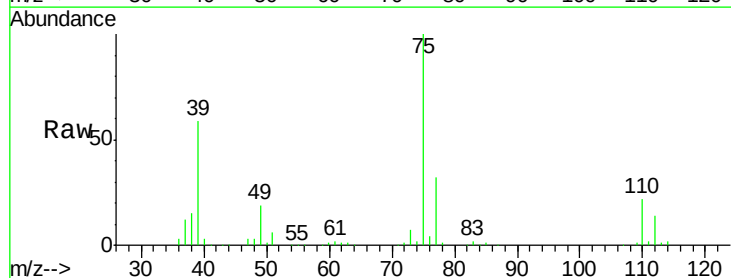
Tgt Ion: 75 Resp: 1008945

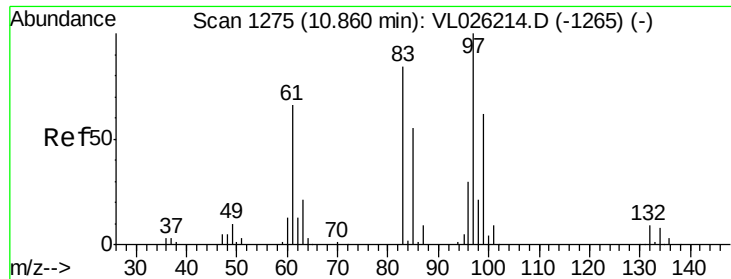
Ion Ratio Lower Upper

75 100

39 58.5 46.2 69.4

77 31.8 25.4 38.0





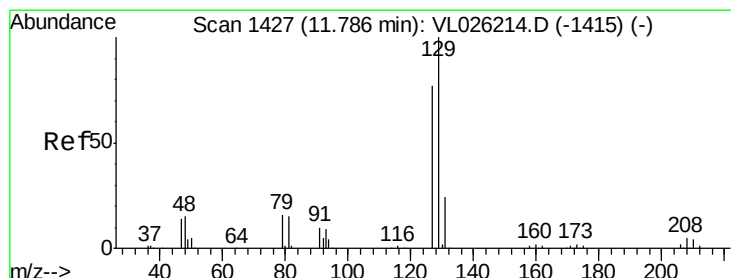
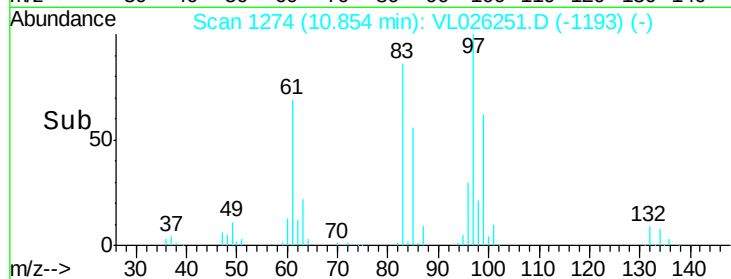
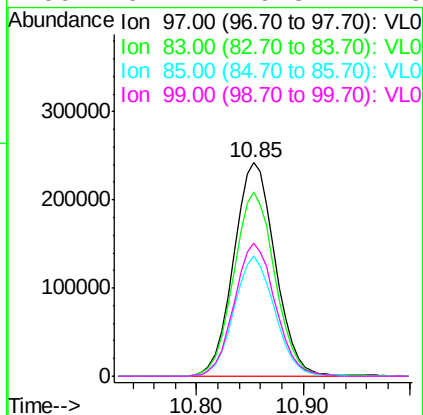
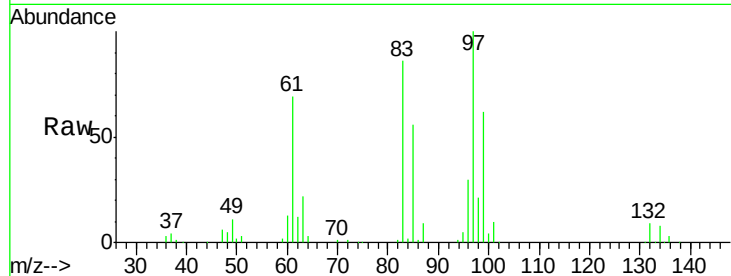
#47
 1,1,2-Trichloroethane
 Concen: 11.24 ppbv
 RT: 10.85 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.4	101.2
85	56.2	43.8	65.6
99	62.1	49.8	74.6

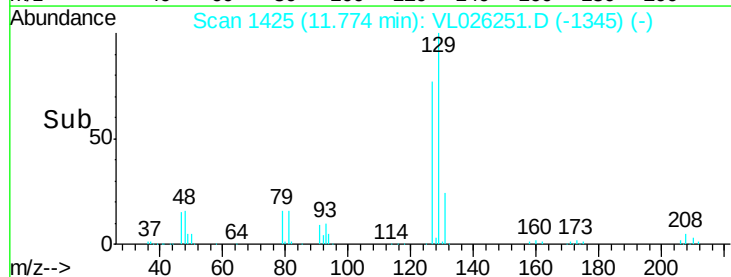
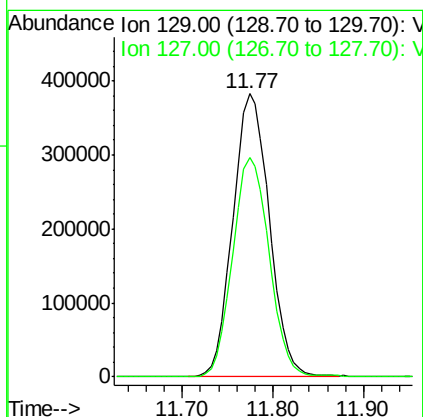
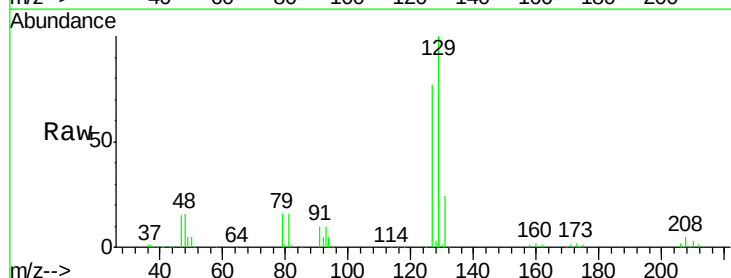
Manual Integrations
 APPROVED

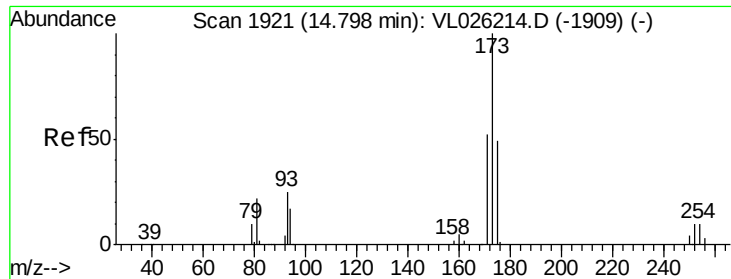
MMDadoda
 10/22/2015 4:36:18 PM



#48
 Dibromochloromethane
 Concen: 11.14 ppbv
 RT: 11.77 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.5





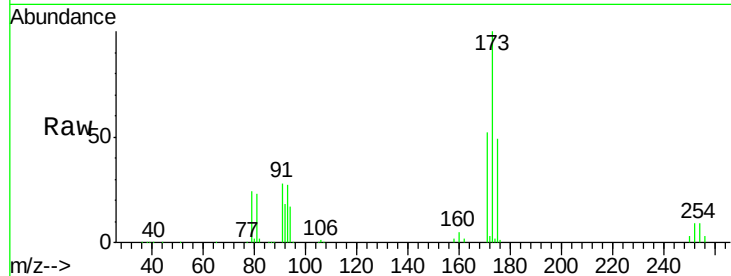
#49
Bromoform
Concen: 10.78 ppbv
RT: 14.79 min Scan# 1919
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

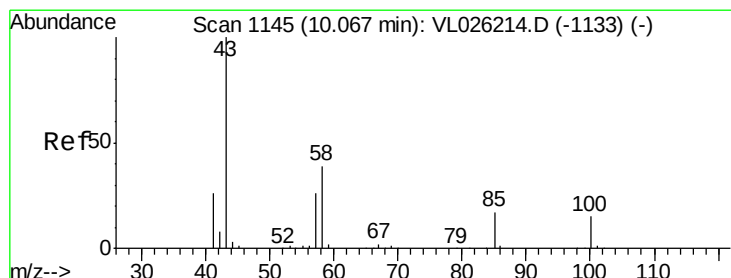
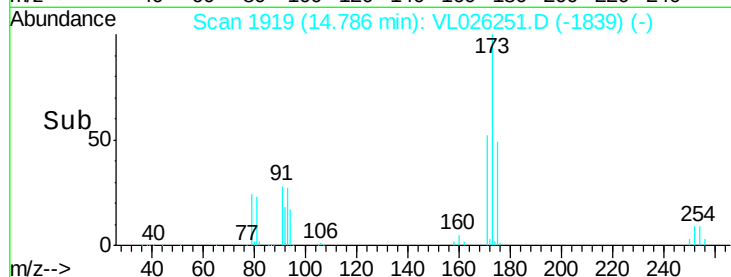
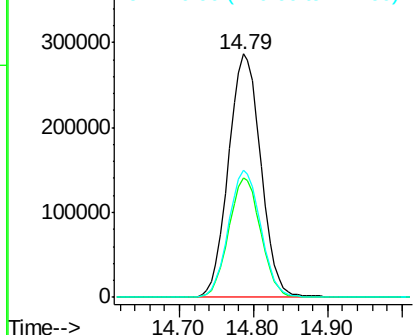
Tot Ion:173 Resp: 873249
Ion Ratio Lower Upper
173 100
175 48.6 38.7 58.1
171 52.2 41.6 62.4

Manual Integrations
APPROVED

MMDadoda
10/22/2015 4:36:18 PM

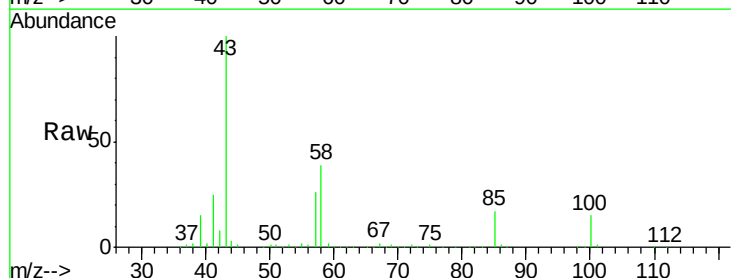


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

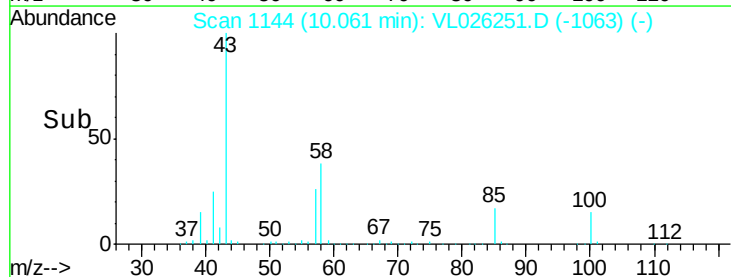
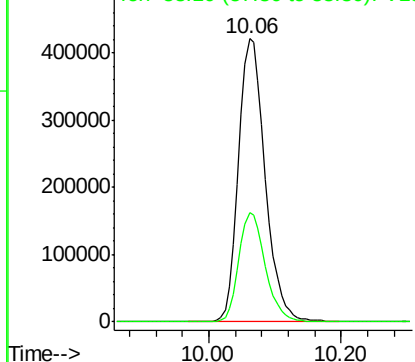


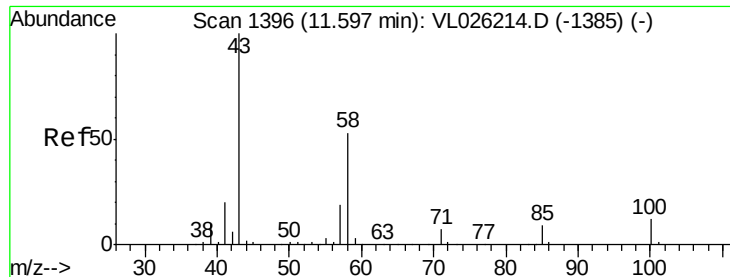
#50
4-Methyl-2-Pentanone
Concen: 11.82 ppbv
RT: 10.06 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion: 43 Resp: 1179729
Ion Ratio Lower Upper
43 100
58 38.5 31.1 46.7



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





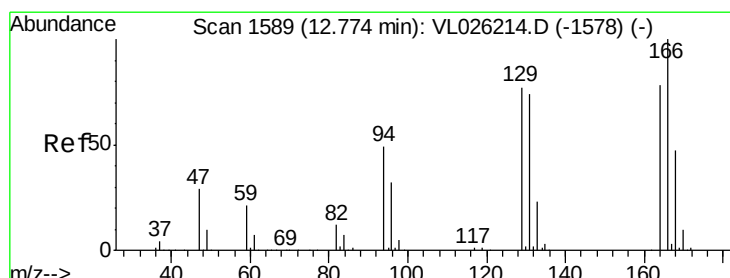
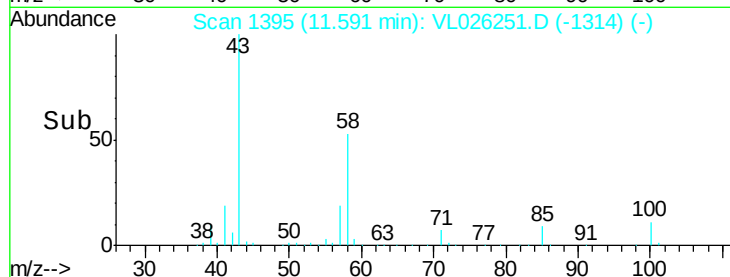
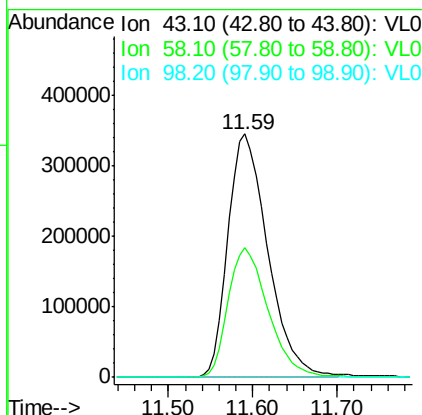
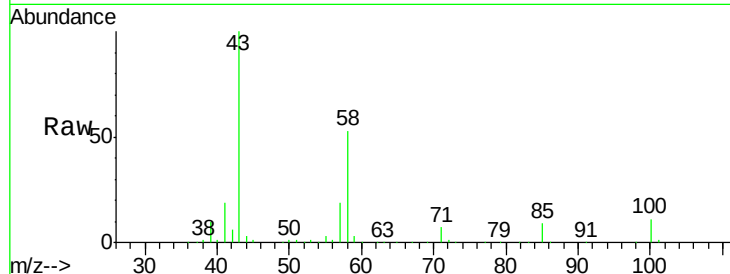
#51
2-Hexanone
Concen: 11.97 ppbv
RT: 11.59 min Scan# 1395
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1116214
Ion Ratio Lower Upper
43 100
58 53.7 43.2 64.8
98 0.0 0.0 0.0#

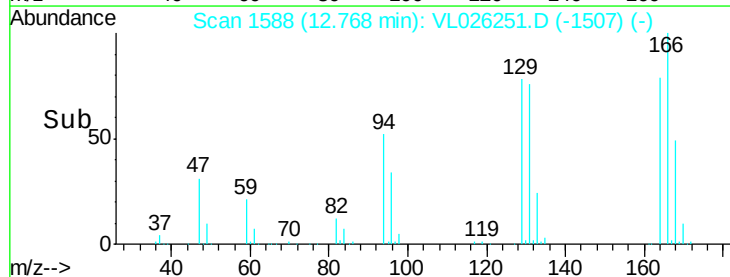
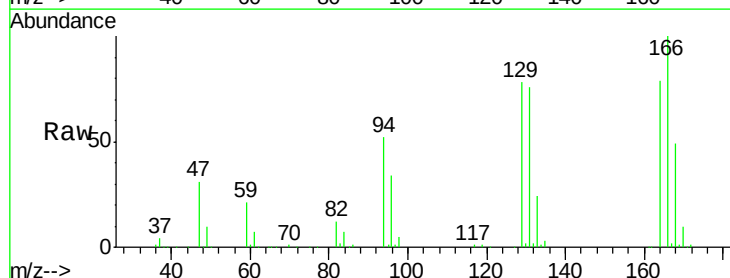
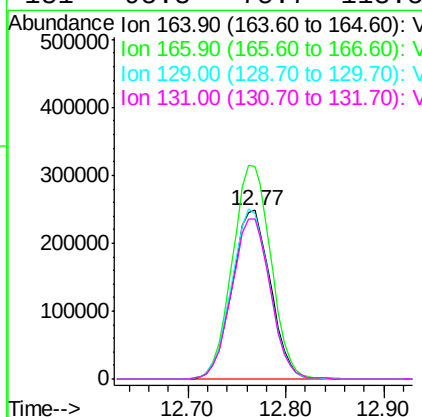
Manual Integrations
APPROVED

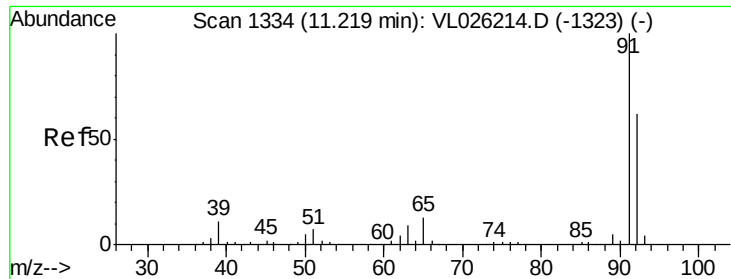
MMDadoda
10/22/2015 4:36:18 PM



#52
Tetrachloroethene
Concen: 8.85 ppbv
RT: 12.77 min Scan# 1588
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion: 164 Resp: 676042
Ion Ratio Lower Upper
164 100
166 126.0 102.3 153.5
129 97.8 78.2 117.4
131 95.3 75.7 113.5





#53

Toluene

Concen: 10.90 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 1975098

Ion Ratio Lower Upper

91 100

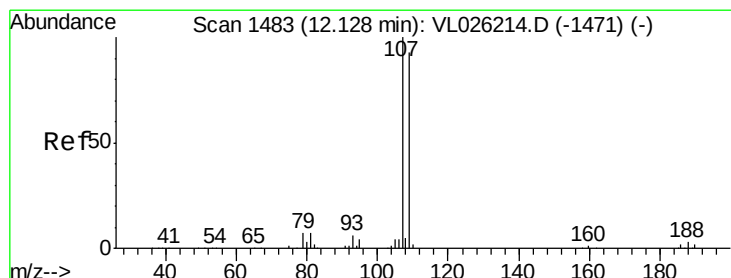
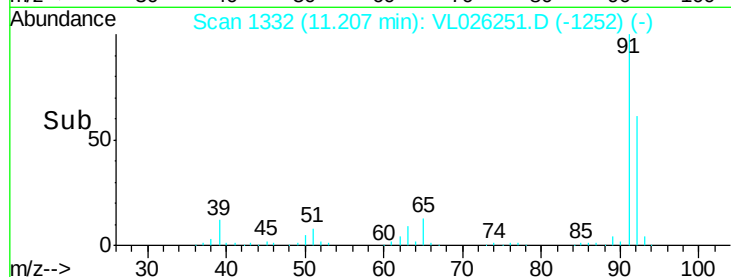
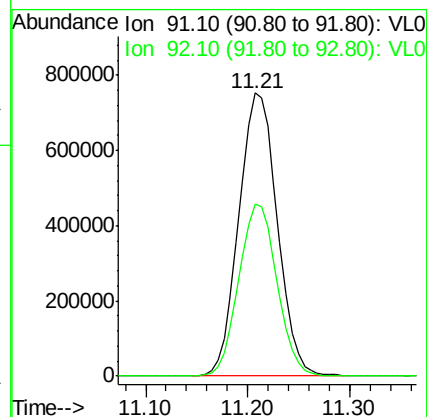
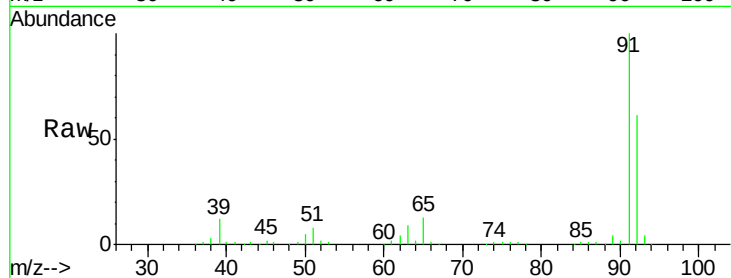
92 60.7 49.2 73.8

Manual Integrations

APPROVED

MMDadoda

10/22/2015 4:36:18 PM



#54

1,2-Dibromoethane

Concen: 11.23 ppbv

RT: 12.12 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VL026251.D

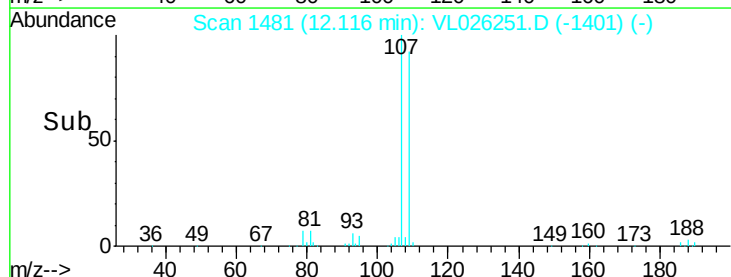
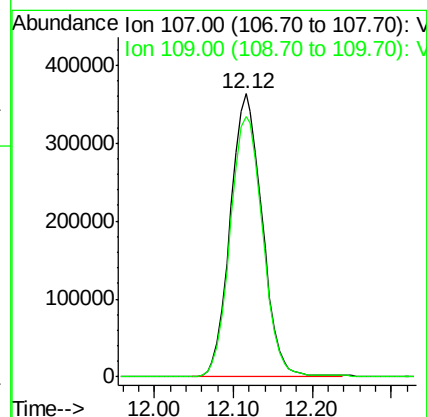
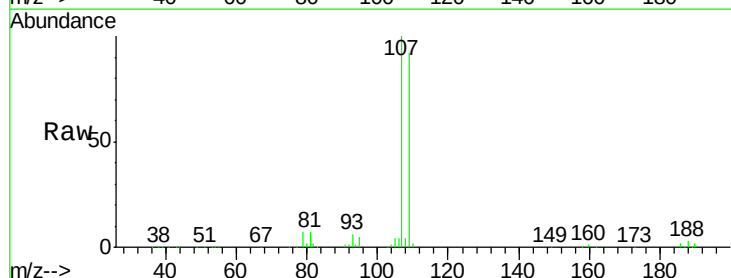
Acq: 21 Oct 2015 23:40

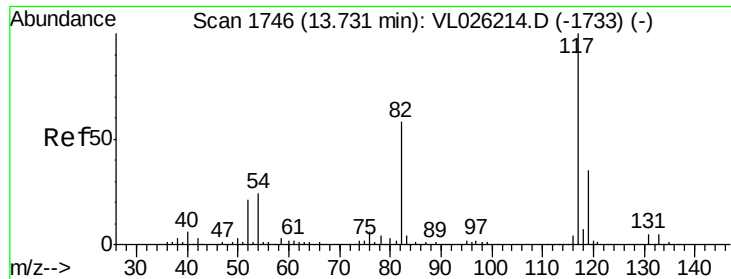
Tgt Ion: 107 Resp: 1022721

Ion Ratio Lower Upper

107 100

109 92.1 74.7 112.1





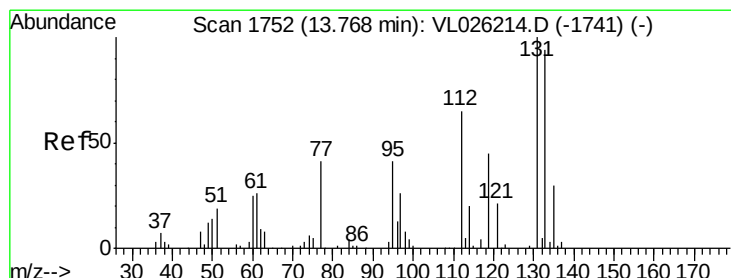
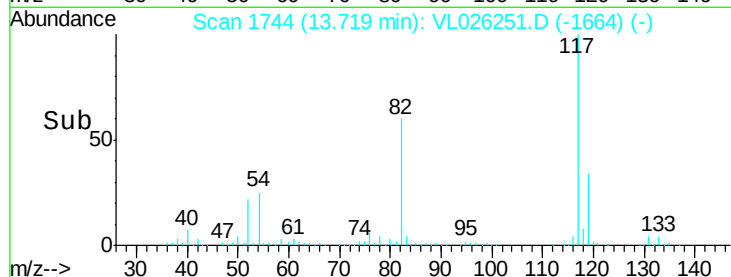
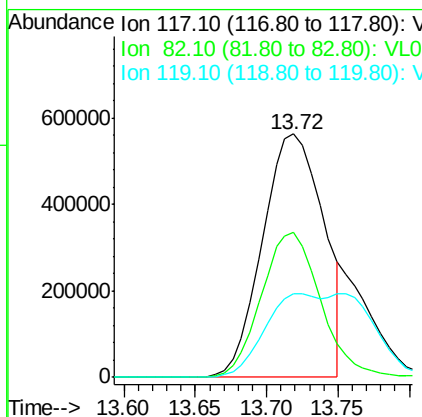
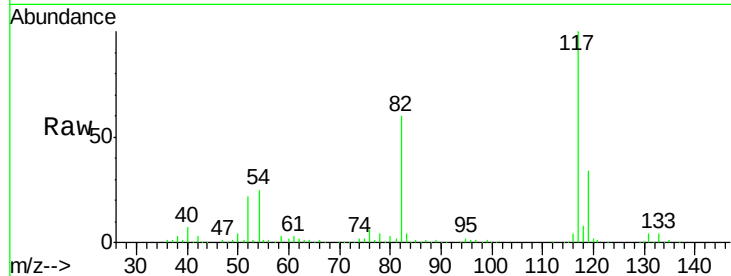
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.72 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 1680819
Ion Ratio Lower Upper
117 100
82 58.6 45.8 68.8
119 59.7 45.0 67.4

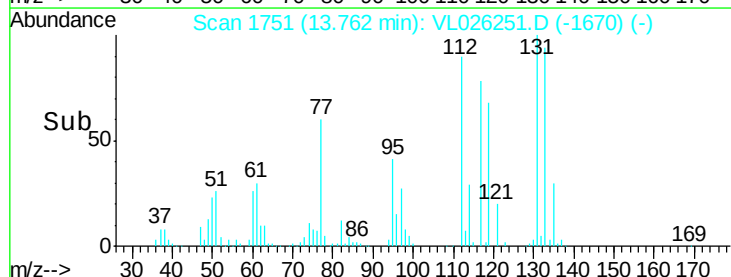
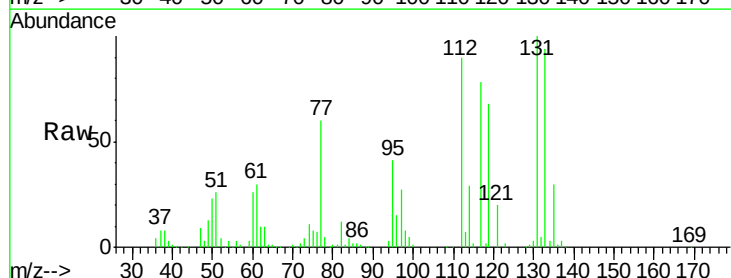
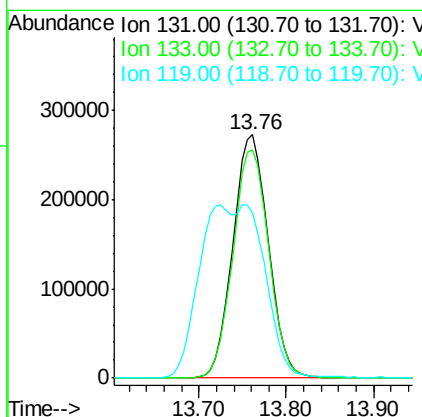
Manual Integrations
APPROVED

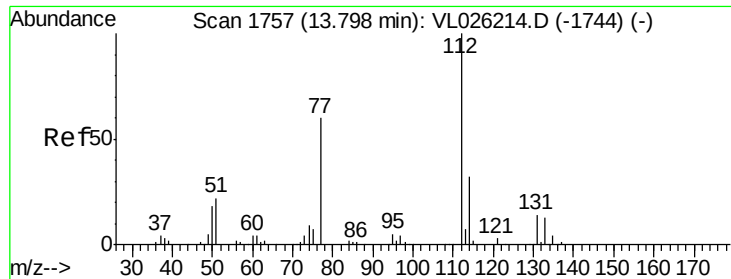
MMDadoda
10/22/2015 4:36:18 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.54 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion:131 Resp: 769381
Ion Ratio Lower Upper
131 100
133 95.4 75.9 113.9
119 130.4 108.0 162.0





#57

Chlorobenzene

Concen: 10.14 ppbv

RT: 13.79 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 1631846

Ion Ratio Lower Upper

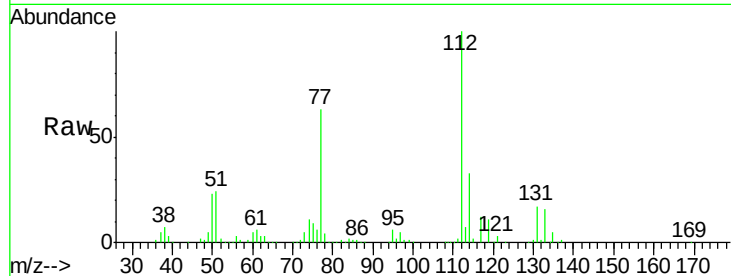
112 100

77 63.0 48.4 72.6

114 32.8 29.0 35.4

Manual Integrations
APPROVED

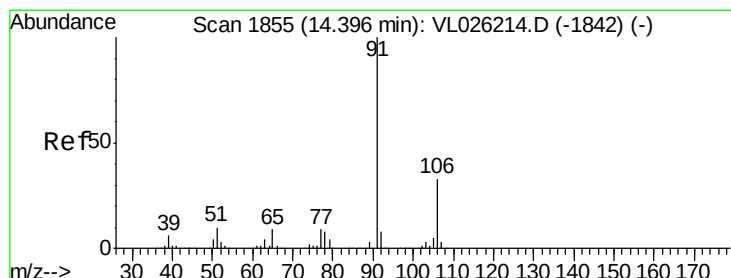
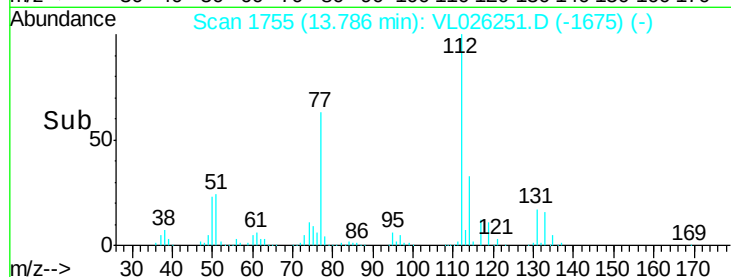
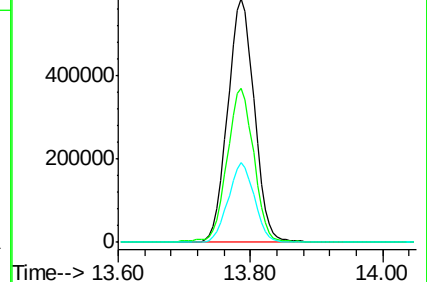
MMDadoda
10/22/2015 4:36:18 PM



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: 10.40 ppbv

RT: 14.38 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL026251.D

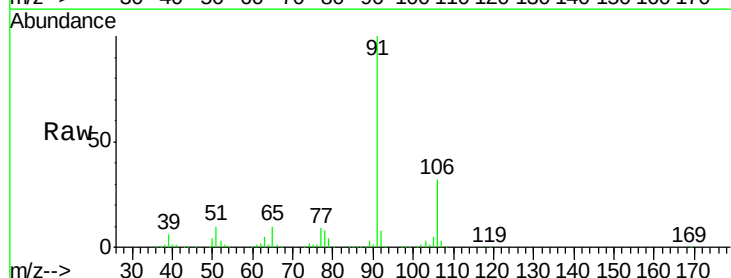
Acq: 21 Oct 2015 23:40

Tgt Ion: 91 Resp: 2832285

Ion Ratio Lower Upper

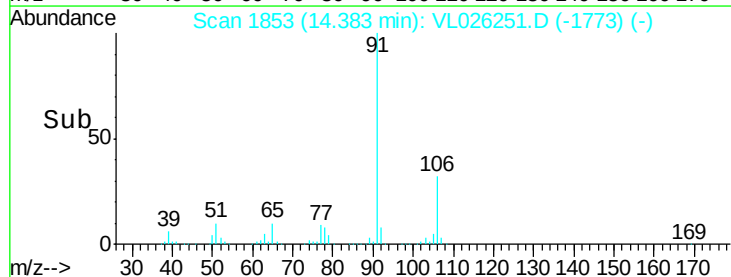
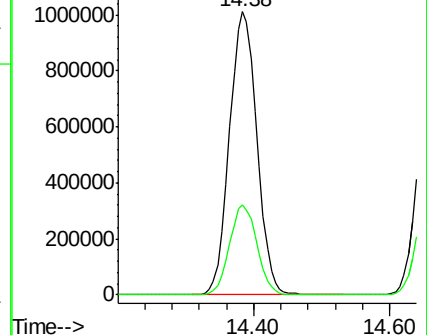
91 100

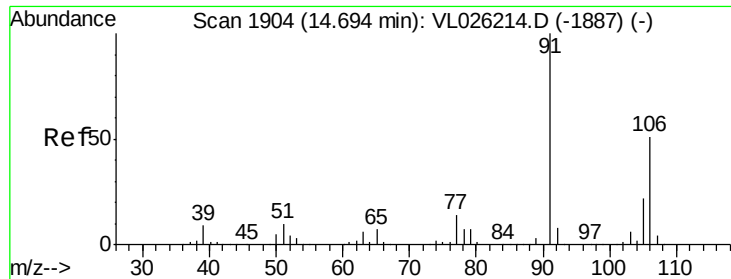
106 31.8 26.1 39.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





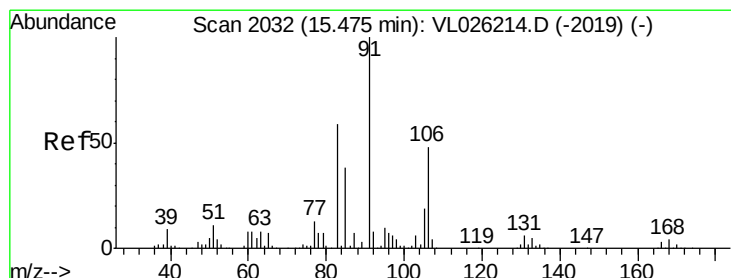
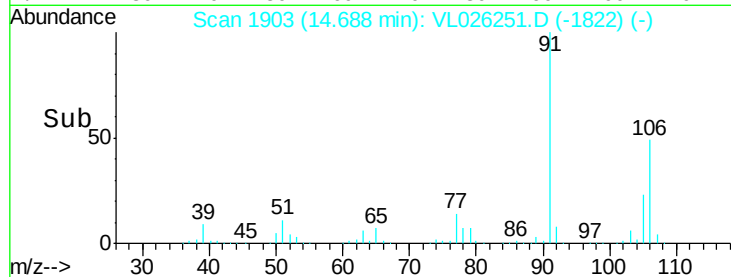
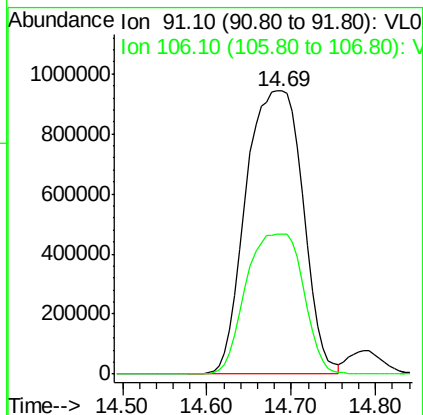
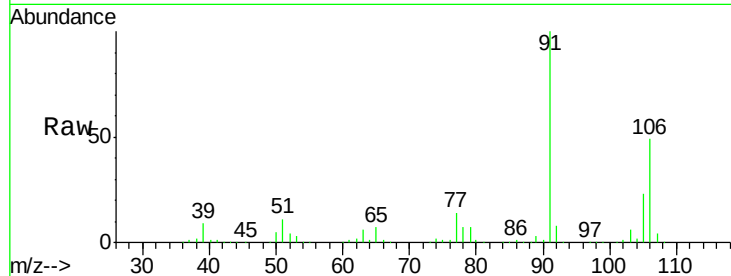
#59
m/p-Xylene
Concen: 20.42 ppbv
RT: 14.69 min Scan# 1903
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4355660
Ion Ratio Lower Upper
91 100
106 50.2 40.6 61.0

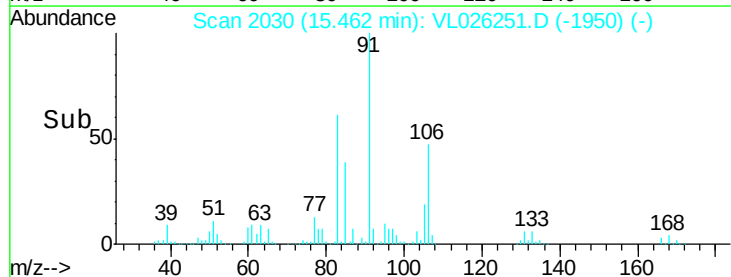
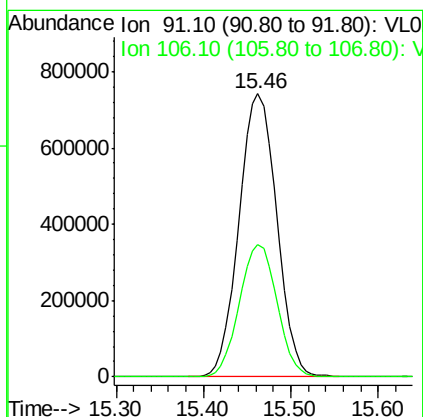
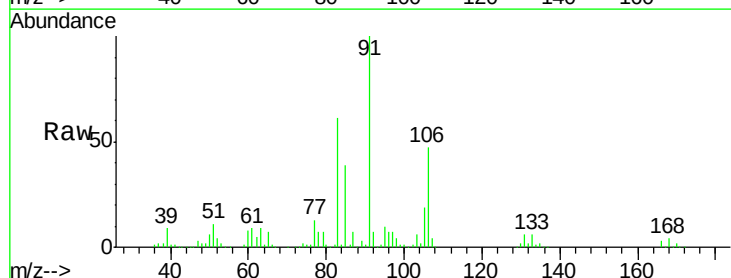
Manual Integrations
APPROVED

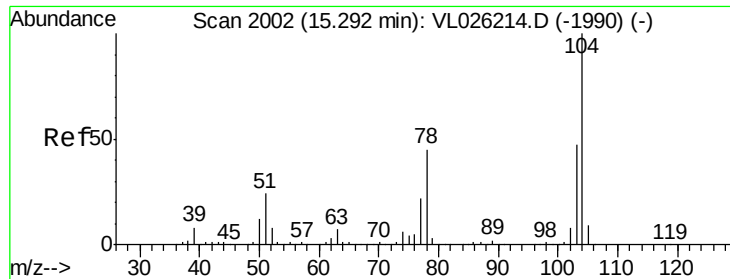
MMDadoda
10/22/2015 4:36:18 PM



#60
o-Xylene
Concen: 9.97 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion: 91 Resp: 2223798
Ion Ratio Lower Upper
91 100
106 47.0 23.8 71.5





#61

Stvrene

Concen: 10.88 ppbv

RT: 15.28 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 1097097

Ion Ratio Lower Upper

104 100

78 45.2 35.3 52.9

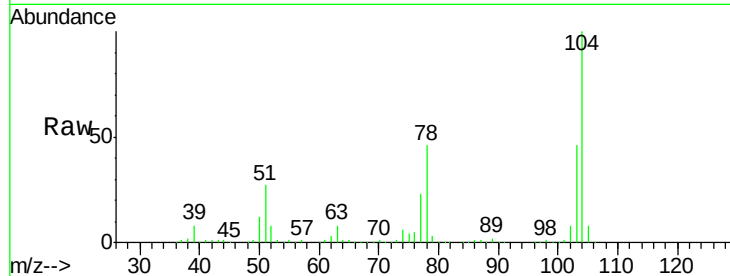
103 46.7 37.0 55.4

Manual Integrations

APPROVED

MMDadoda

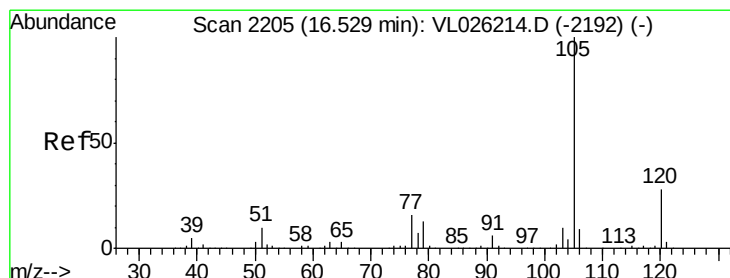
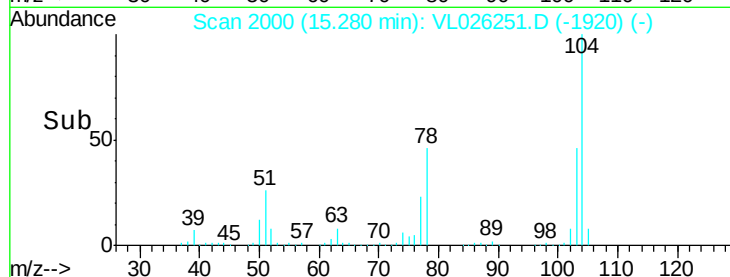
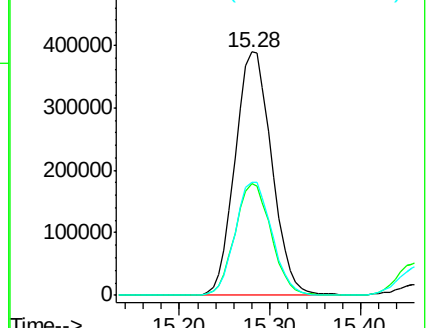
10/22/2015 4:36:18 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.14 ppbv

RT: 16.52 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL026251.D

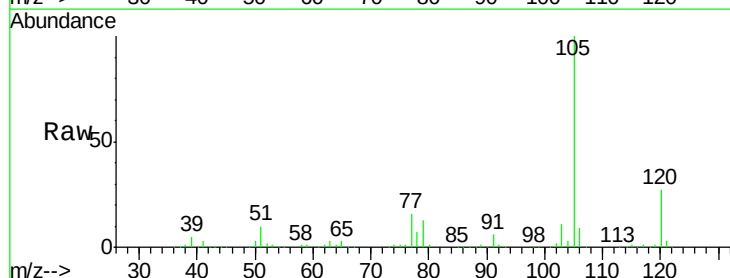
Acq: 21 Oct 2015 23:40

Tgt Ion:105 Resp: 3144137

Ion Ratio Lower Upper

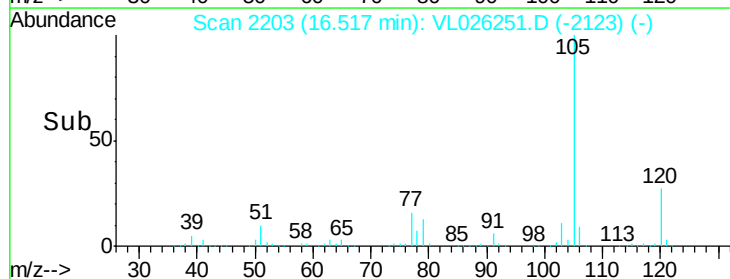
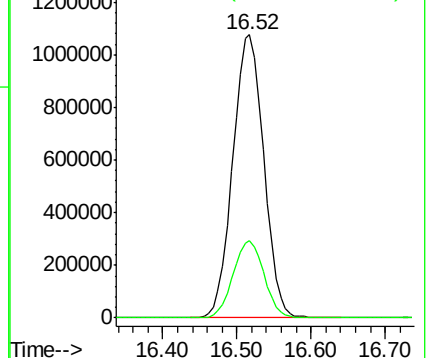
105 100

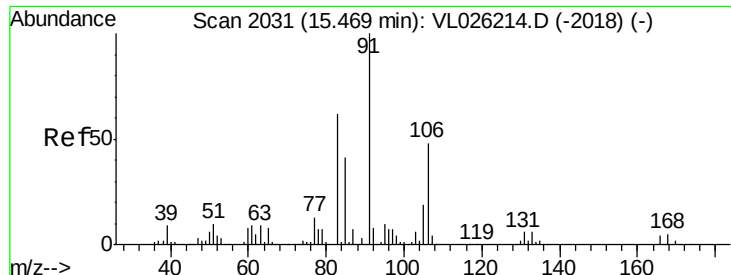
120 27.1 21.8 32.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





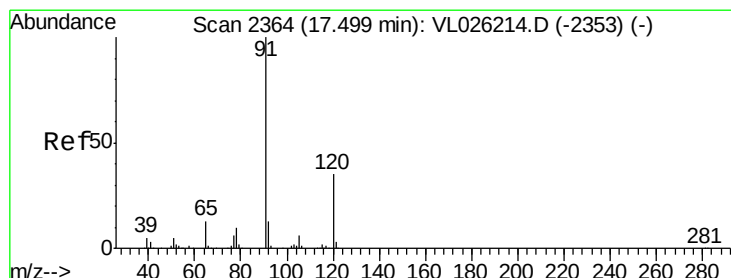
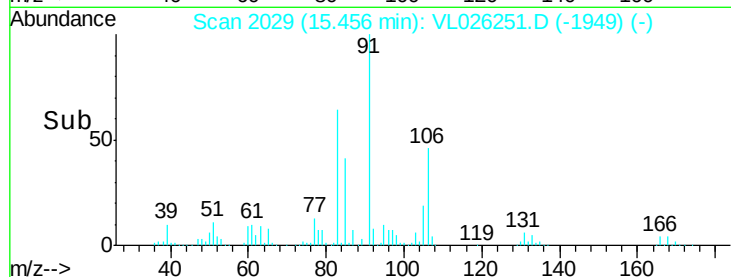
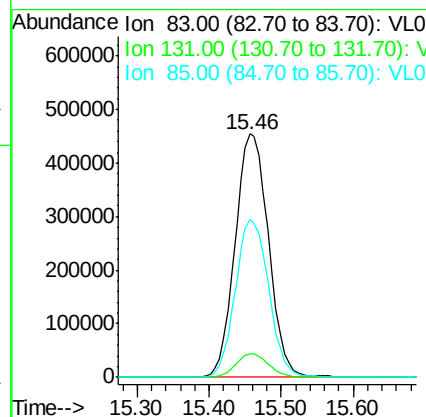
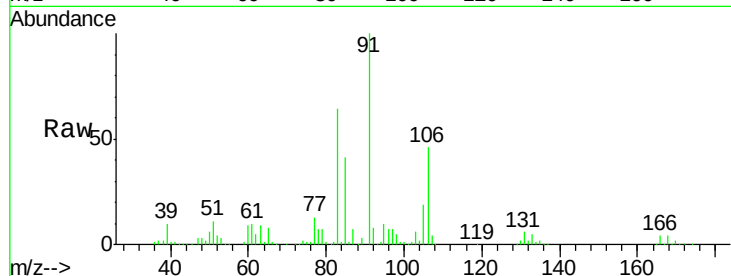
#63
1,1,2,2-Tetrachloroethane
Concen: 9.95 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1466802
Ion Ratio Lower Upper
83 100
131 9.4 5.0 14.9
85 64.8 32.3 96.9

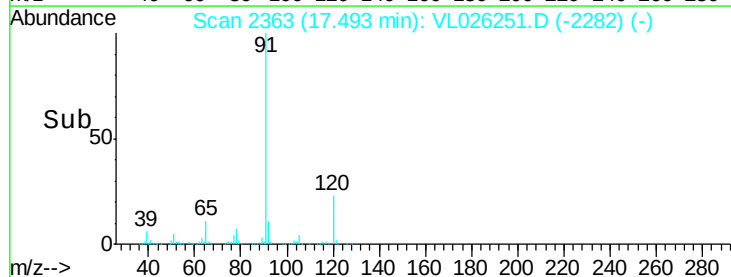
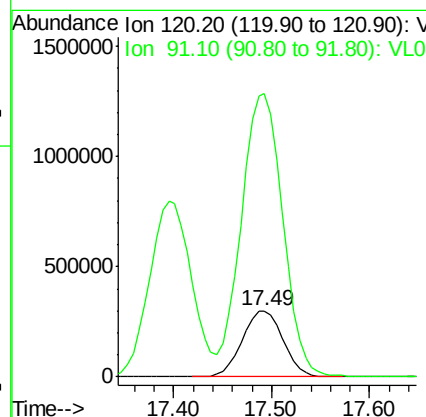
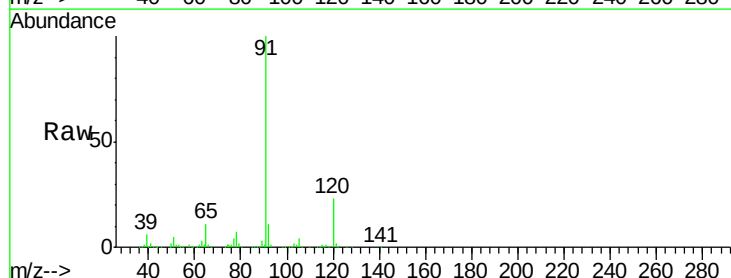
Manual Integrations
APPROVED

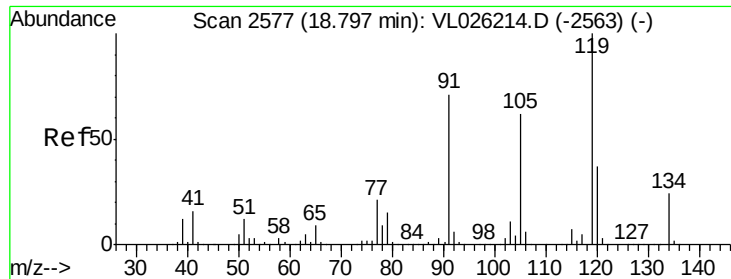
MMDadoda
10/22/2015 4:36:18 PM



#64
n-propylbenzene
Concen: 10.23 ppbv
RT: 17.49 min Scan# 2363
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion: 120 Resp: 872639
Ion Ratio Lower Upper
120 100
91 434.8 331.7 497.5





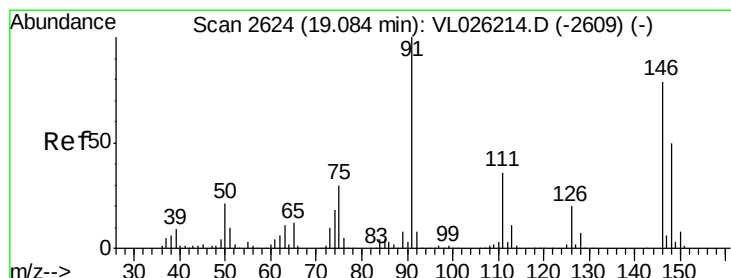
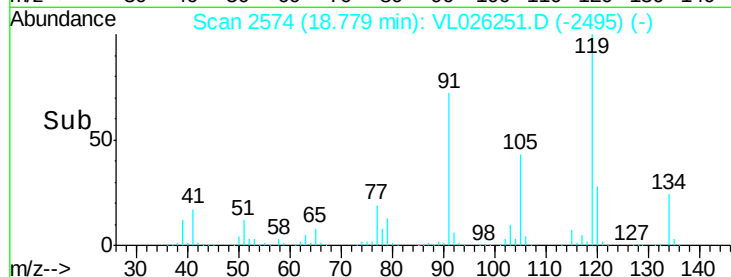
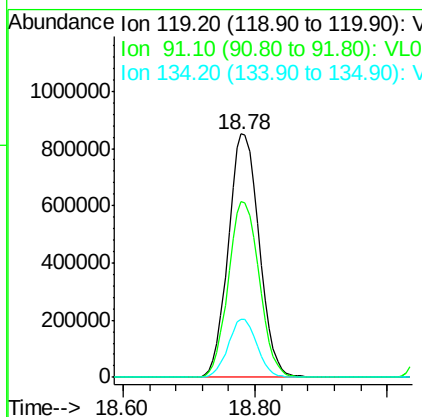
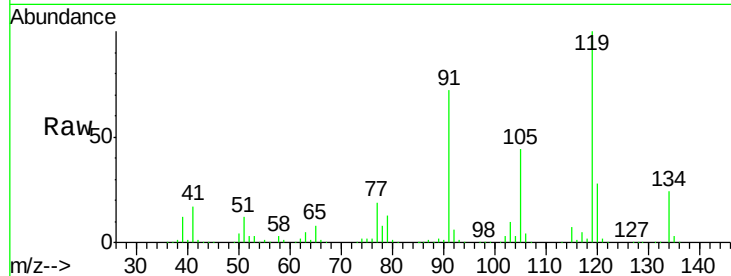
#65
 tert-Butylbenzene
 Concen: 9.72 ppbv
 RT: 18.78 min Scan# 2574
 Delta R.T. -0.02 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 2753051
 Ion Ratio Lower Upper
 119 100
 91 72.6 57.5 86.3
 134 22.3 18.1 27.1

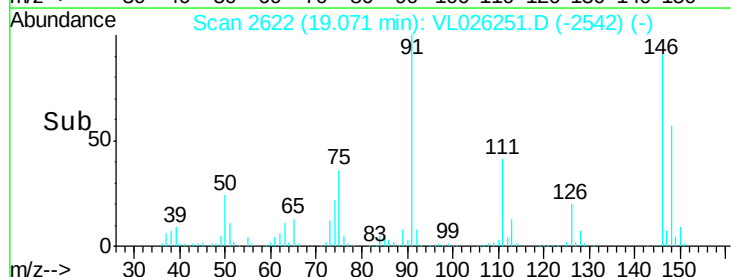
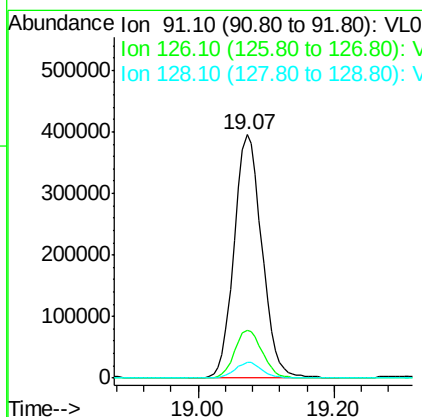
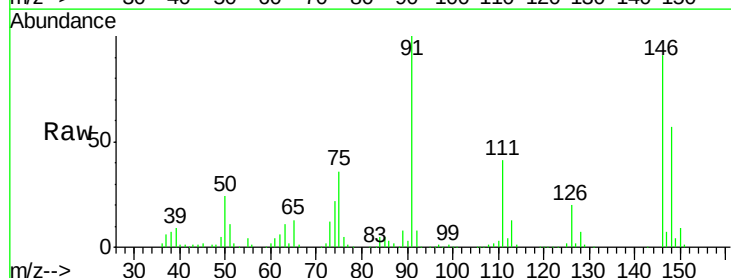
Manual Integrations
 APPROVED

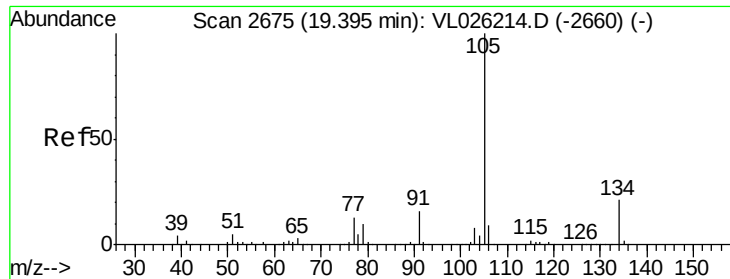
MMDadoda
 10/22/2015 4:36:18 PM



#66
 Benzyl Chloride
 Concen: 9.57 ppbv
 RT: 19.07 min Scan# 2622
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion: 91 Resp: 1118526
 Ion Ratio Lower Upper
 91 100
 126 19.7 16.2 24.2
 128 6.3 5.1 7.7





#67

sec-Butylbenzene

Concen: 10.11 ppbv

RT: 19.38 min Scan# 2672

Delta R.T. -0.02 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 3991499

Ion Ratio Lower Upper

105 100

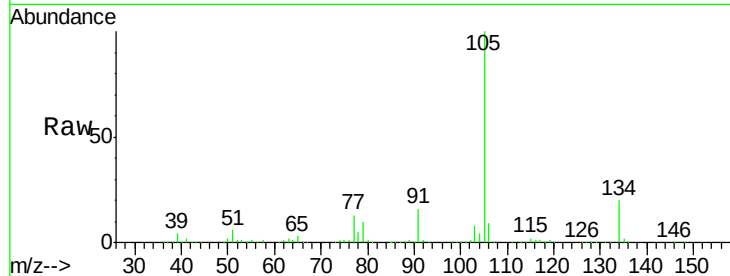
134 20.0 16.2 24.4

Manual Integrations

APPROVED

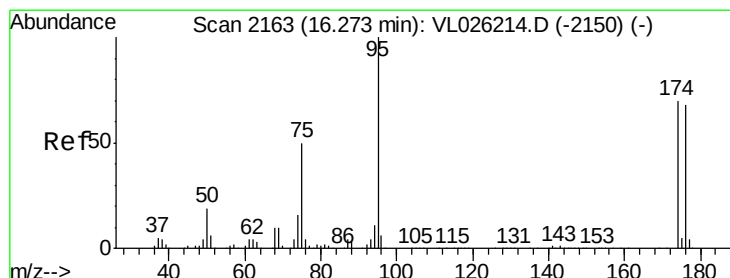
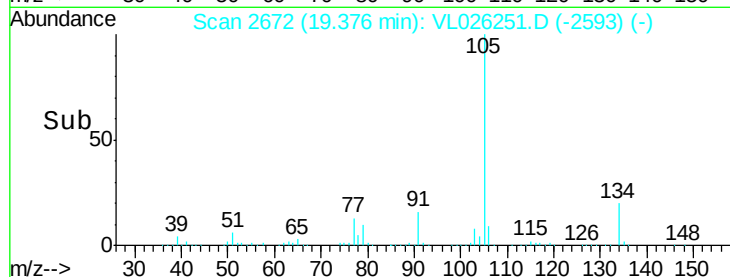
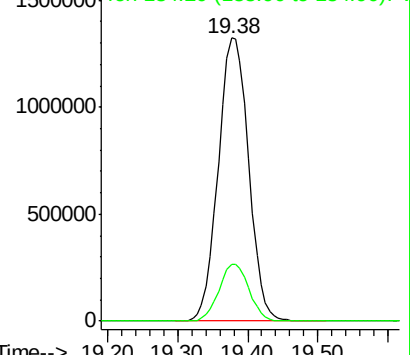
MMDadoda

10/22/2015 4:36:18 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.01 ppbv

RT: 16.26 min Scan# 2161

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

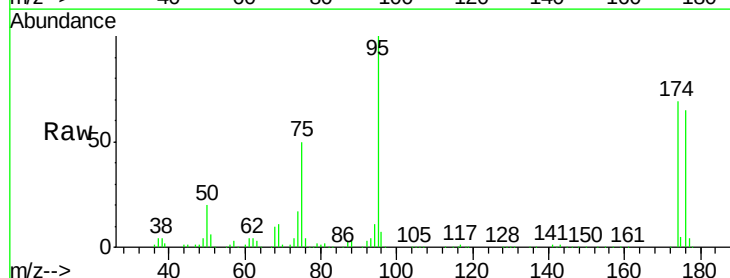
Tgt Ion: 95 Resp: 1297233

Ion Ratio Lower Upper

95 100

174 66.9 55.8 83.8

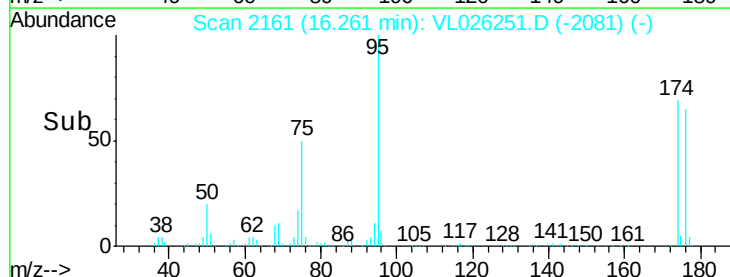
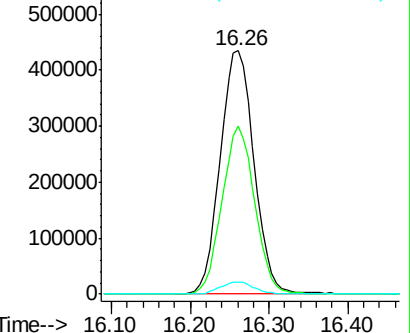
175 5.0 4.3 6.5

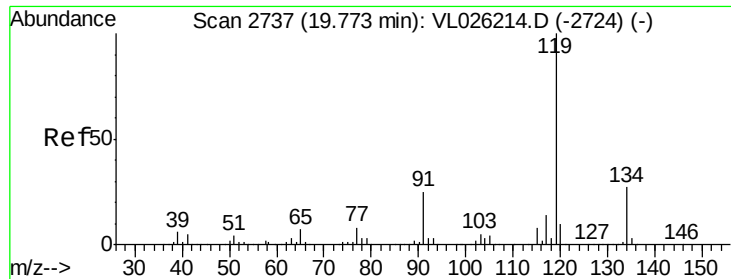


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





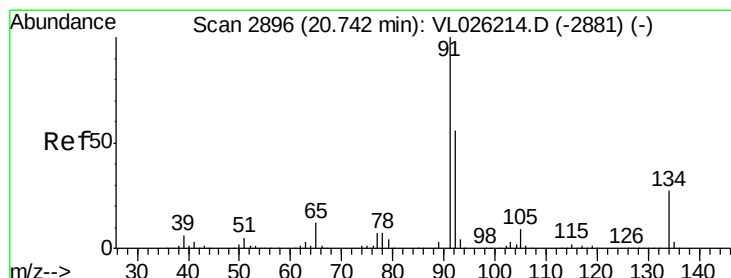
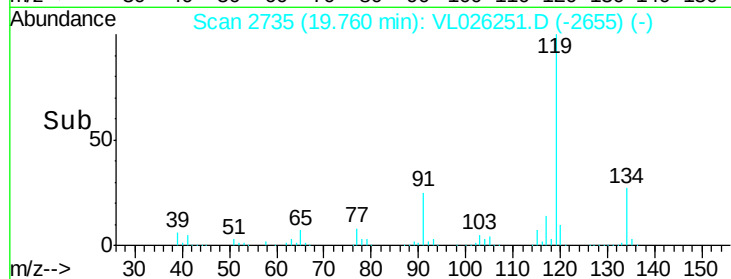
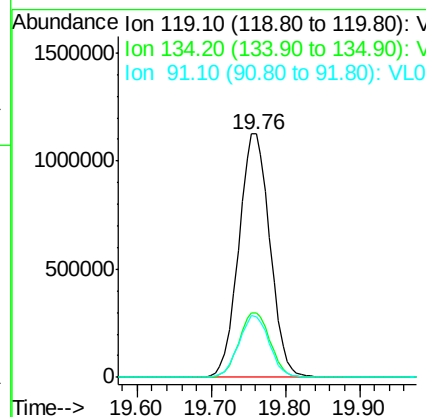
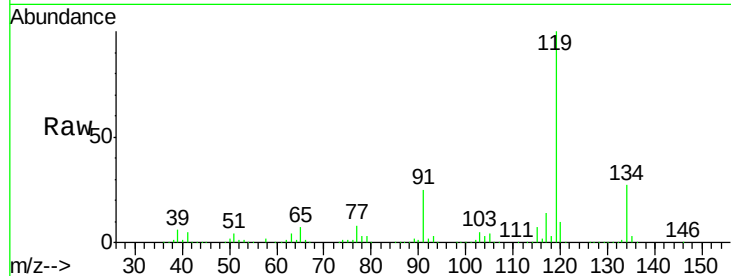
#69
 p-Isopropyltoluene
 Concen: 10.00 ppbv
 RT: 19.76 min Scan# 2735
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.4	32.0
91	24.7	19.5	29.3

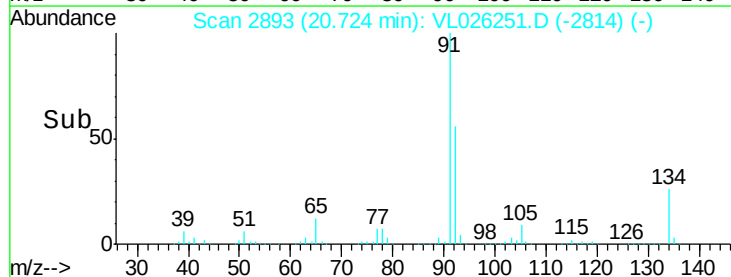
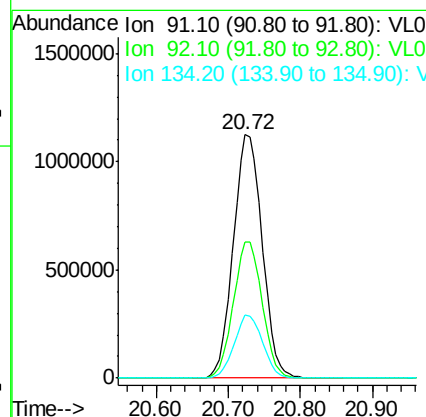
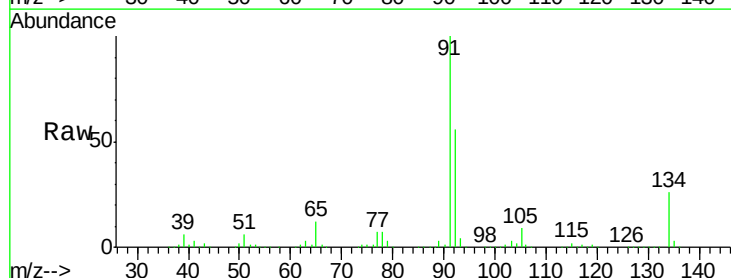
Manual Integrations
 APPROVED

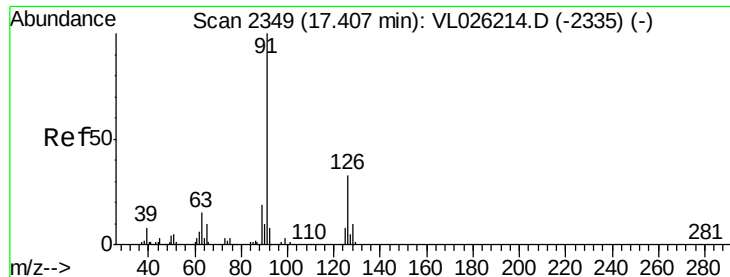
MMDadoda
 10/22/2015 4:36:18 PM



#70
 n-Butylbenzene
 Concen: 10.39 ppbv
 RT: 20.72 min Scan# 2893
 Delta R.T. -0.02 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.9	45.0	67.6
134	25.5	21.4	32.0





#71

2-Chlorotoluene

Concen: 10.47 ppbv

RT: 17.39 min Scan# 2347

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2391895

Ion Ratio Lower Upper

91 100

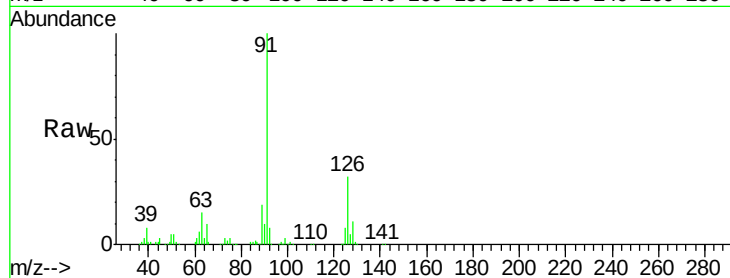
126 31.9 12.9 51.7

Manual Integrations

APPROVED

MMDadoda

10/22/2015 4:36:18 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

1500000

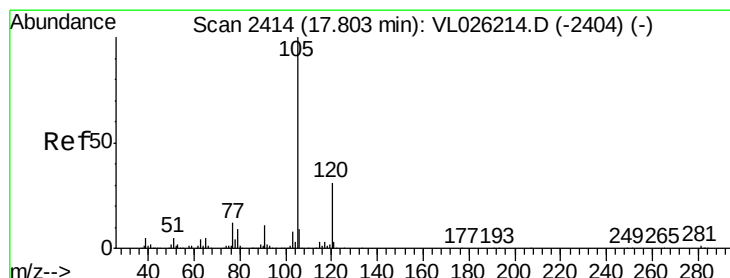
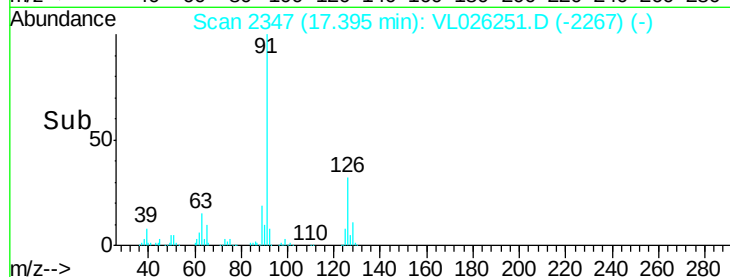
1000000

500000

0

17.30 17.40

Time-->



#72

4-Ethyltoluene

Concen: 10.46 ppbv

RT: 17.79 min Scan# 2412

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Tgt Ion: 105 Resp: 2714302

Ion Ratio Lower Upper

105 100

120 31.2 25.2 37.8

91 11.8 9.0 13.6

77 12.2 9.7 14.5

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

1500000

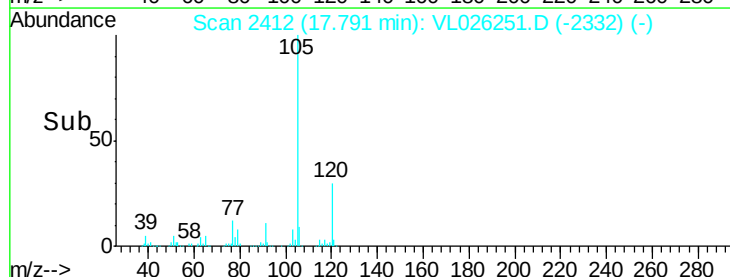
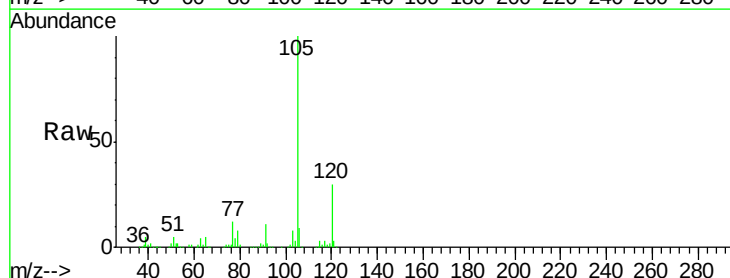
1000000

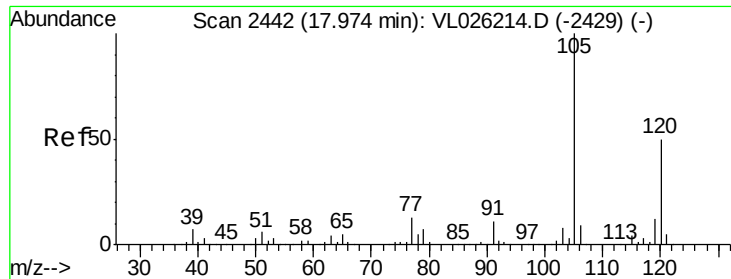
500000

0

17.70 17.80 17.90

Time-->





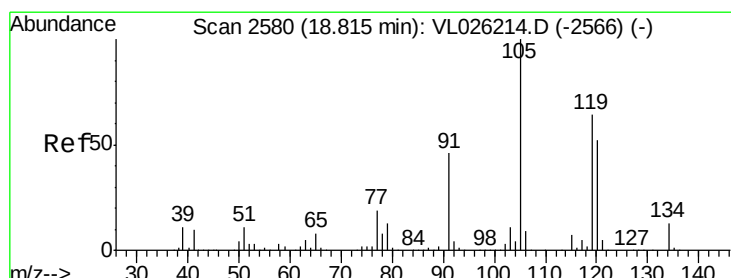
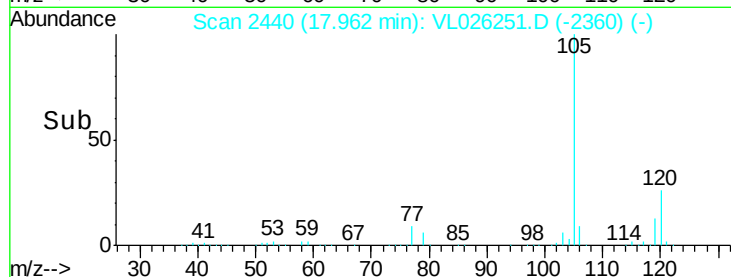
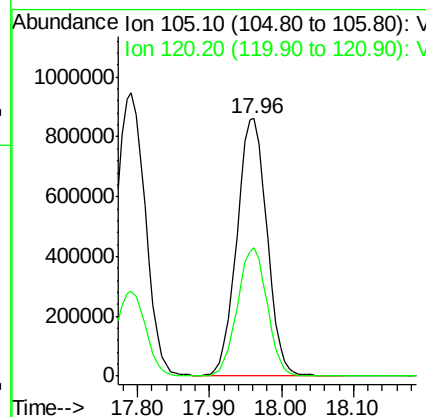
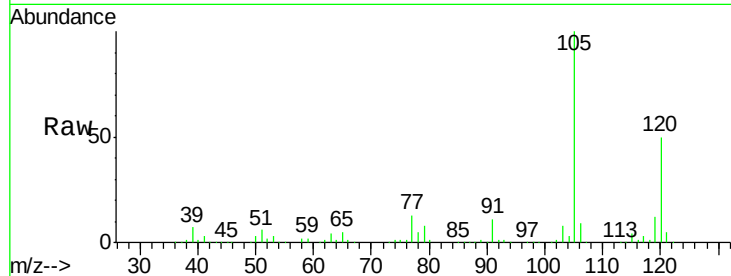
#73
 1,3,5-Trimethylbenzene
 Concen: 10.34 ppbv
 RT: 17.96 min Scan# 2440
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 2499655
 Ion Ratio Lower Upper
 105 100
 120 49.8 39.8 59.6

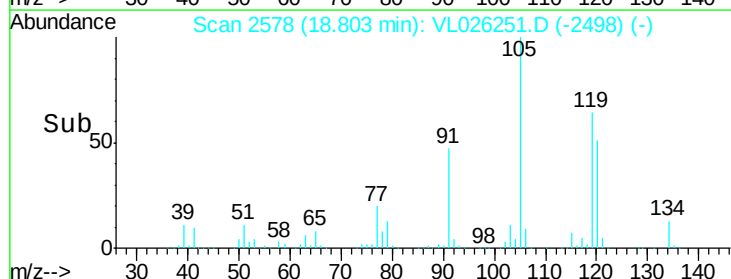
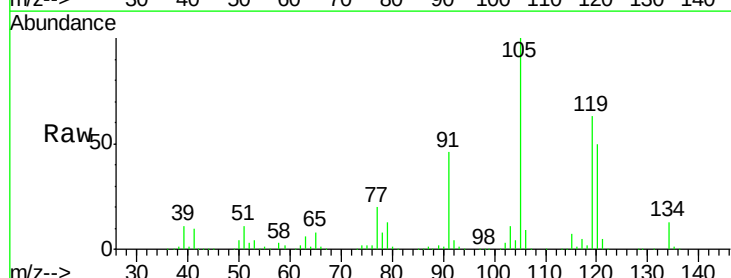
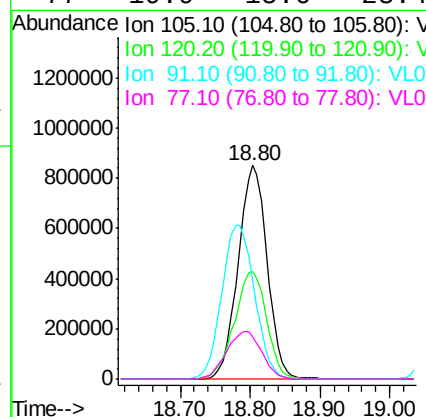
Manual Integrations
 APPROVED

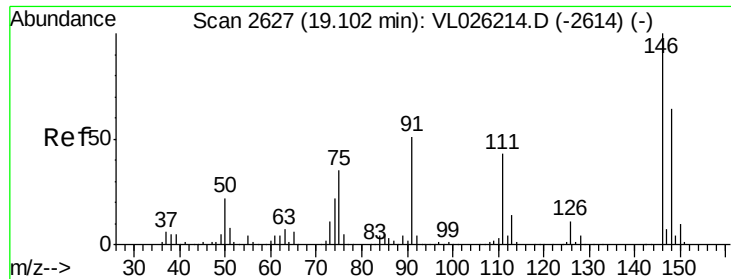
MMDadoda
 10/22/2015 4:36:18 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.78 ppbv
 RT: 18.80 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion:105 Resp: 2452514
 Ion Ratio Lower Upper
 105 100
 120 50.3 41.2 61.8
 91 46.3 37.2 55.8
 77 19.9 15.6 23.4





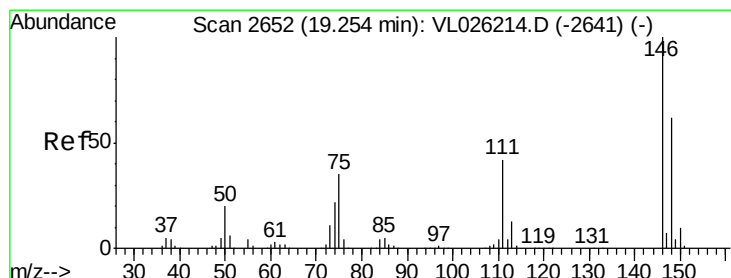
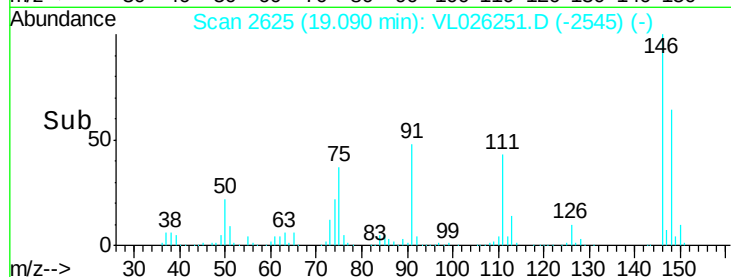
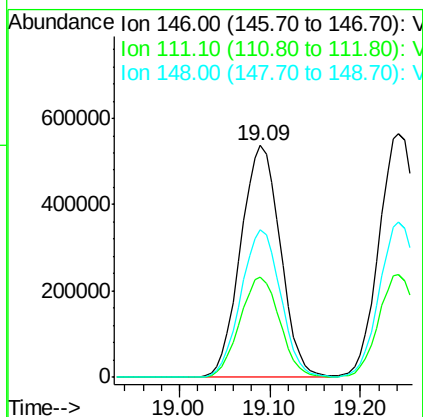
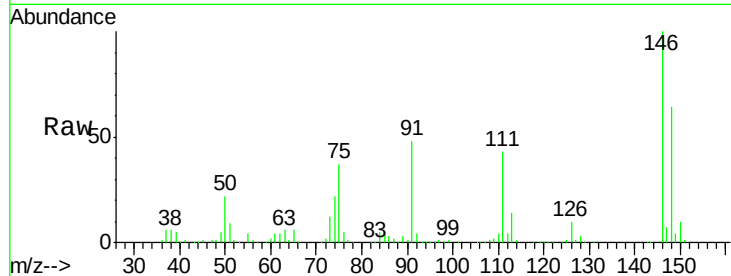
#75
 1,3-Dichlorobenzene
 Concen: 9.98 ppbv
 RT: 19.09 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1634472
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.6 64.8
 148 63.3 31.8 95.4

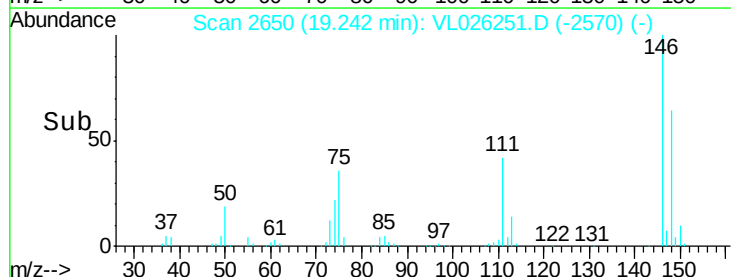
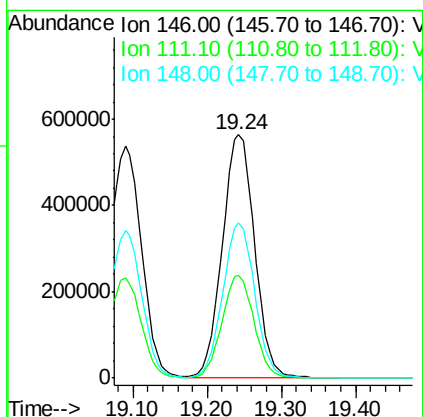
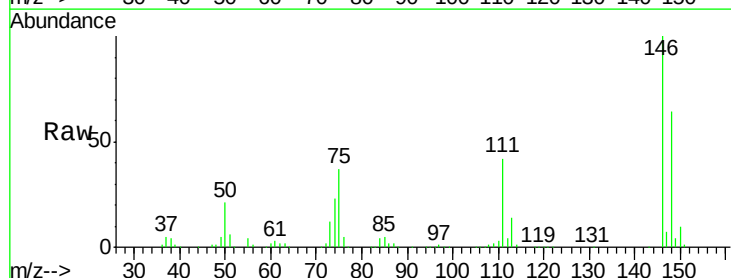
Manual Integrations
 APPROVED

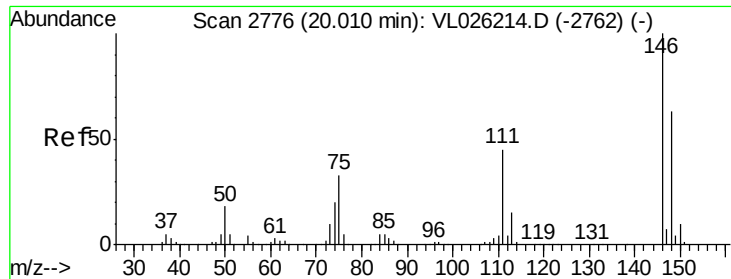
MMDadoda
 10/22/2015 4:36:18 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.99 ppbv
 RT: 19.24 min Scan# 2650
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion:146 Resp: 1708763
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.8 62.2
 148 63.2 31.9 95.9





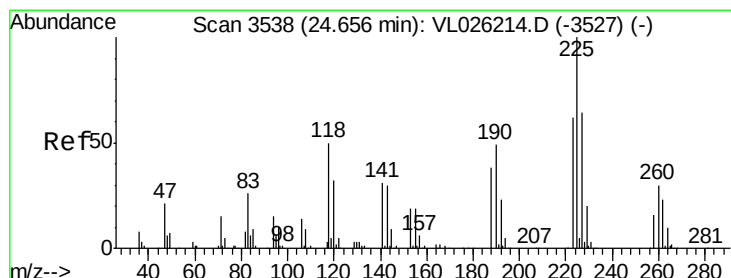
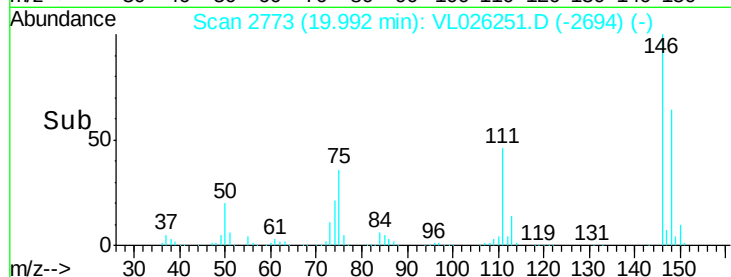
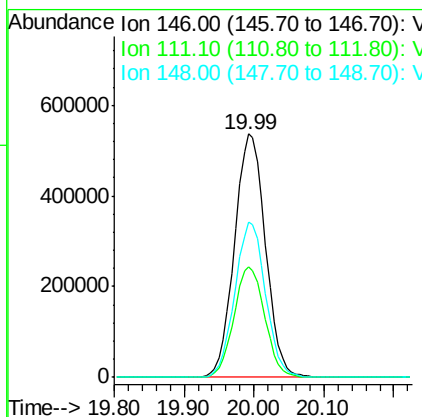
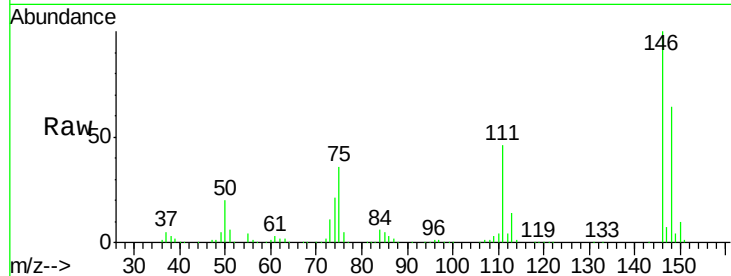
#77
 1,2-Dichlorobenzene
 Concen: 9.98 ppbv
 RT: 19.99 min Scan# 2773
 Delta R.T. -0.02 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1648474
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.6 67.7
 148 63.4 31.6 95.0

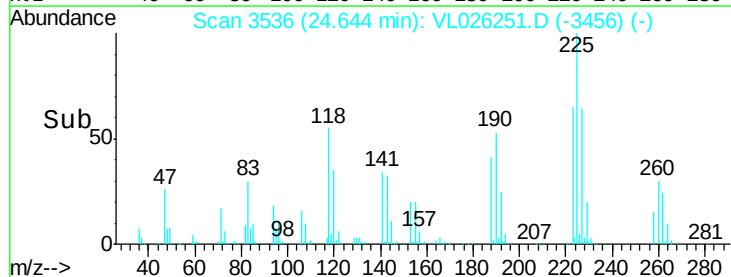
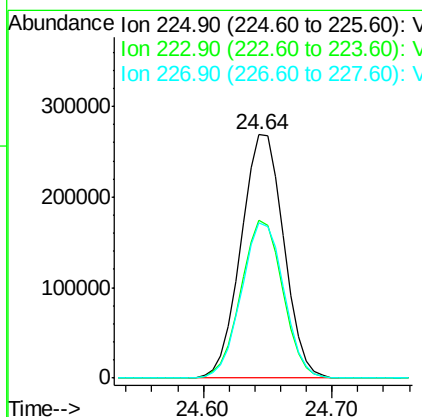
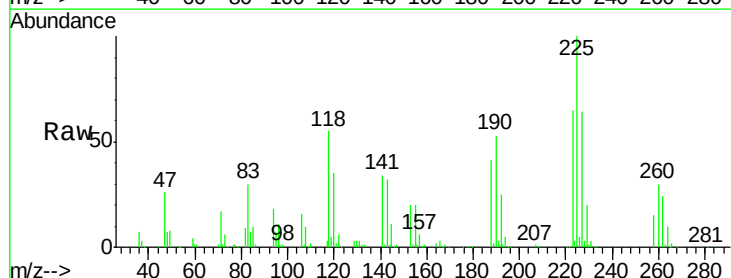
Manual Integrations
 APPROVED

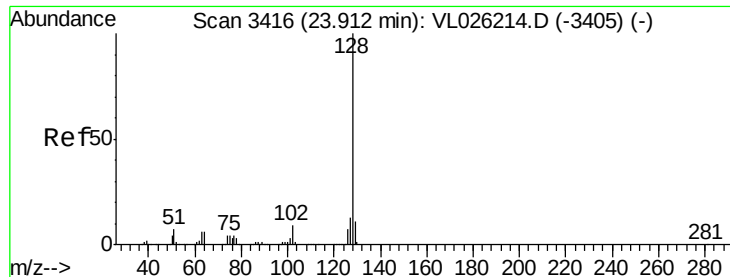
MMDadoda
 10/22/2015 4:36:18 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.29 ppbv
 RT: 24.64 min Scan# 3536
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion:225 Resp: 617870
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.2 75.2
 227 63.4 50.8 76.2





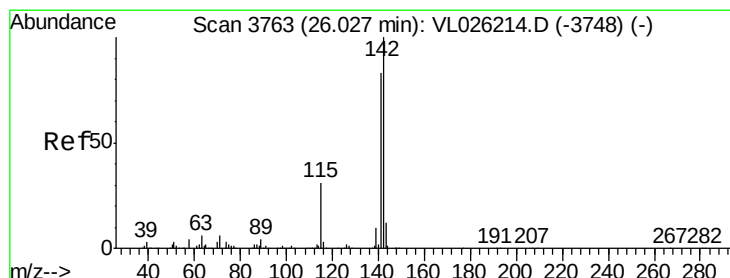
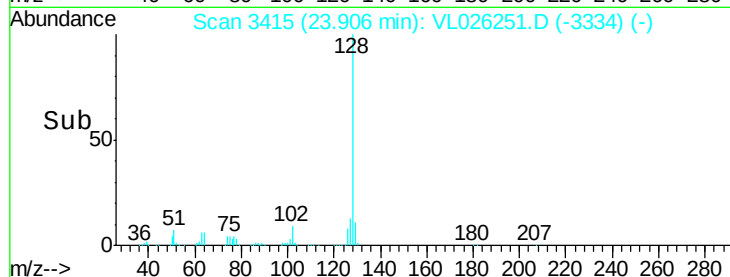
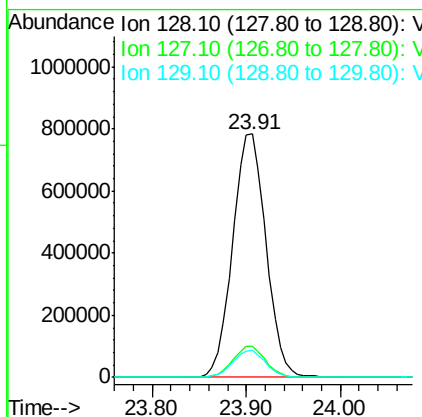
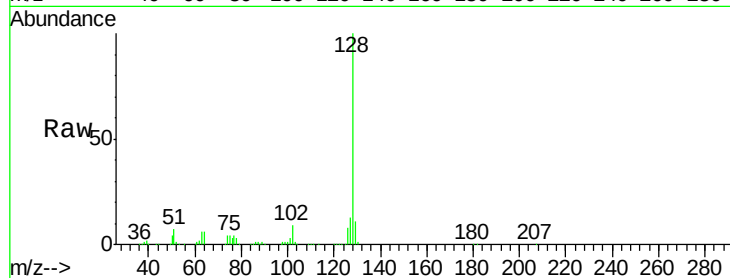
#79
Naphthalene
Concen: 8.72 ppbv
RT: 23.91 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.8	13.2

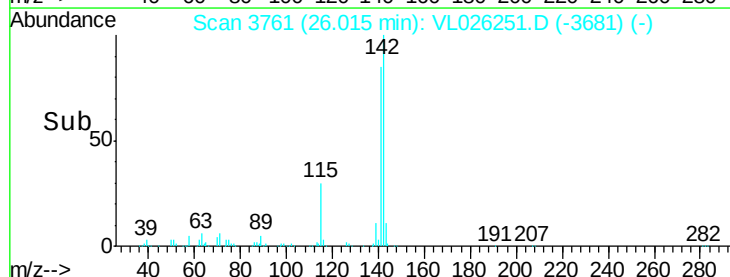
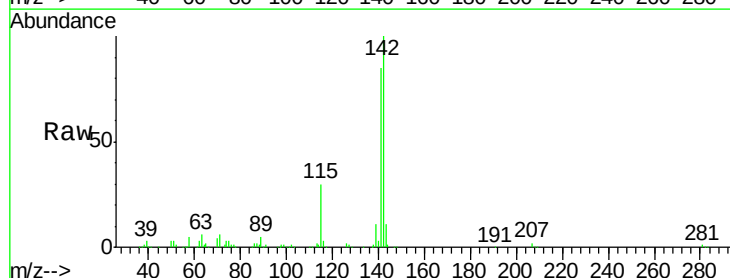
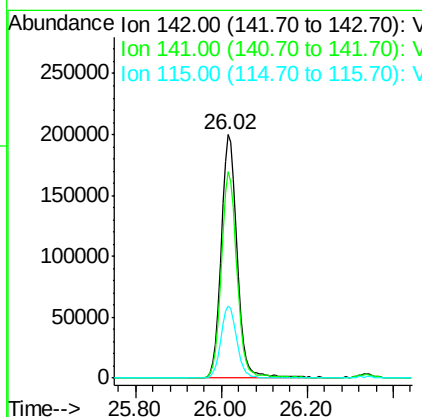
Manual Integrations
APPROVED

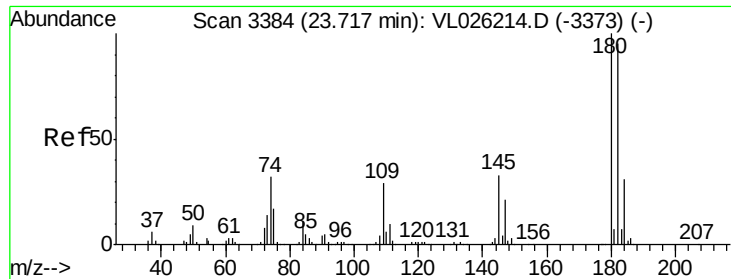
MMDadoda
10/22/2015 4:36:18 PM



#80
Naphthalene, 2-methyl-
Concen: 13.29 ppbv
RT: 26.02 min Scan# 3761
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.9	66.5	99.7
115	30.1	24.2	36.4





#81
 1,2,4-Trichlorobenzene
 Concen: 8.38 ppbv
 RT: 23.70 min Scan# 3382
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	180	Resp:	891135
Ion Ratio	Lower	Upper	
180	100		
182	95.5	76.7	115.1
184	30.2	24.2	36.2

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:36:18 PM

