

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
 Data File : VL026235.D
 Acq On : 21 Oct 2015 12:08
 Operator : SY/MD
 Sample : VL1021ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Manual Integrations
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 10/22/2015 4:35:44 PM

Quant Time: Oct 22 09:15:17 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 22 09:15:17 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	481816	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.30	114	1511896	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.71	117	1898023m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.26	95	1473140	10.06	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.62	85	1126612	11.28	ppbv	99
3) Chlorodifluoromethane	3.55	51	623755	10.22	ppbv	99
4) Chloromethane	3.73	50	352613	10.71	ppbv	98
5) Vinyl Chloride	3.87	62	370394	10.69	ppbv	98
6) Bromomethane	4.12	94	272744	10.96	ppbv	97
7) Chloroethane	4.21	64	161550	11.11	ppbv	98
8) Dichlorotetrafluoroethane	3.78	85	893773	10.42	ppbv	100
9) Propene	3.57	41	294498	10.31	ppbv	100
10) Heptane	9.32	43	981562	10.27	ppbv	98
11) Trichlorofluoromethane	4.67	101	1090222	11.13	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.28	101	715879	10.71	ppbv	99
13) Ethanol	4.31	45	42012	9.81	ppbv	97
14) Bromoethene	4.43	108	307189	10.89	ppbv	99
15) Acetone	4.57	43	649523	9.16	ppbv	99
16) 1,3-Butadiene	3.95	39	335602	10.61	ppbv	100
17) tert-Butyl alcohol	5.10	59	552804	11.40	ppbv	100
18) 1,1-Dichloroethene	5.06	96	330598	10.95	ppbv	98
19) Isopropyl Alcohol	4.73	45	311079	11.22	ppbv	92
20) Methylene Chloride	5.12	84	304340	10.75	ppbv	97
21) Allyl Chloride	5.20	41	501401	10.83	ppbv	99
22) trans-1,2-Dichloroethene	5.74	96	430886	11.07	ppbv	99
23) Vinyl Acetate	5.96	43	1423759	10.89	ppbv	99
24) 1,1-Dichloroethane	5.89	63	902476	10.94	ppbv	100
25) Ethyl Acetate	6.64	43	1334932	10.04	ppbv	99
26) Hexane	6.63	57	662408	9.97	ppbv	99
27) Carbon Disulfide	5.36	76	922654	10.86	ppbv	99
28) Methyl tert-Butyl Ether	5.93	73	1309413	10.84	ppbv	100
29) Chloroform	6.72	83	1008372	10.46	ppbv	99
30) Cyclohexane	8.25	84	682854	10.27	ppbv	99
31) cis-1,2-Dichloroethene	6.49	61	662432	10.98	ppbv	99
32) 1,1,1-Trichloroethane	7.57	97	1088776	10.18	ppbv	100
34) 2-Butanone	6.17	43	889695	10.41	ppbv	100
35) Carbon Tetrachloride	8.13	117	1131368	9.82	ppbv	97
36) Benzene	7.99	78	1546852	10.05	ppbv	99
37) 1,2-Dichloroethane	7.34	62	830286	10.49	ppbv	100
38) Trichloroethene	9.03	130	632408	8.47	ppbv	99
39) 1,2-Dichloropropane	8.79	63	544489	10.06	ppbv	97
40) 1,4-Dioxane	9.09	88	127869	12.56	ppbv	78
41) Tetrahydrofuran	7.09	42	507558	10.26	ppbv	99
42) Bromodichloromethane	8.99	83	1159907	10.19	ppbv	97
43) Methyl Methacrylate	9.23	69	584694	10.43	ppbv	99

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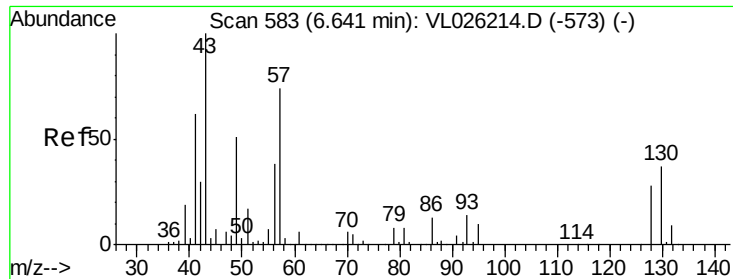
Manual Integrations
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Quant Time: Oct 22 09:15:17 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 22 09:15:17 2015
 QLast Update : Wed Oct 21 01:20:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	2372355	9.52	ppbv	100
45) t-1,3-Dichloropropene	10.62	75	950701	10.87	ppbv	99
46) cis-1,3-Dichloropropene	9.99	75	1067621	10.43	ppbv	99
47) 1,1,2-Trichloroethane	10.85	97	701480	10.31	ppbv	99
48) Dibromochloromethane	11.77	129	1153505	10.40	ppbv	100
49) Bromoform	14.78	173	959568	10.25	ppbv	99
50) 4-Methyl-2-Pentanone	10.06	43	1212169	10.51	ppbv	99
51) 2-Hexanone	11.58	43	1178771	10.94	ppbv #	99
52) Tetrachloroethene	12.76	164	723786	8.20	ppbv	100
53) Toluene	11.20	91	2096177	10.01	ppbv	100
54) 1,2-Dibromoethane	12.11	107	1090507	10.36	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.76	131	833024	9.15	ppbv	99
57) Chlorobenzene	13.78	112	1738745	9.57	ppbv	99
58) Ethyl Benzene	14.38	91	3007759	9.78	ppbv	99
59) m/p-Xylene	14.68	91	4585360	19.04	ppbv	100
60) o-Xylene	15.46	91	2352519	9.34	ppbv	99
61) Styrene	15.27	104	1188756	10.44	ppbv	99
62) Isopropylbenzene	16.51	105	3367024	9.61	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.45	83	1537072	9.23	ppbv	100
64) n-propylbenzene	17.49	120	945343	9.82	ppbv	93
65) tert-Butylbenzene	18.78	119	2950739	9.23	ppbv	99
66) Benzyl Chloride	19.07	91	1345023	10.19	ppbv	100
67) sec-Butylbenzene	19.37	105	4292954	9.63	ppbv	100
69) p-Isopropyltoluene	19.75	119	3564200	9.56	ppbv	100
70) n-Butylbenzene	20.72	91	3318424	9.74	ppbv	99
71) 2-Chlorotoluene	17.39	91	2548495	9.88	ppbv	100
72) 4-Ethyltoluene	17.79	105	2903238	9.91	ppbv	100
73) 1,3,5-Trimethylbenzene	17.96	105	2677456	9.81	ppbv	100
74) 1,2,4-Trimethylbenzene	18.80	105	2627790	9.28	ppbv	98
75) 1,3-Dichlorobenzene	19.08	146	1754681	9.48	ppbv	100
76) 1,4-Dichlorobenzene	19.24	146	1870132	9.68	ppbv	99
77) 1,2-Dichlorobenzene	19.99	146	1785800	9.57	ppbv	99
78) Hexachloro-1,3-Butadiene	24.64	225	771593	8.07	ppbv	100
79) Naphthalene	23.90	128	2404383	9.64	ppbv	100
80) Naphthalene, 2-methyl-	26.02	142	673668	15.04	ppbv	100
81) 1,2,4-Trichlorobenzene	23.70	180	1102078	9.18	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

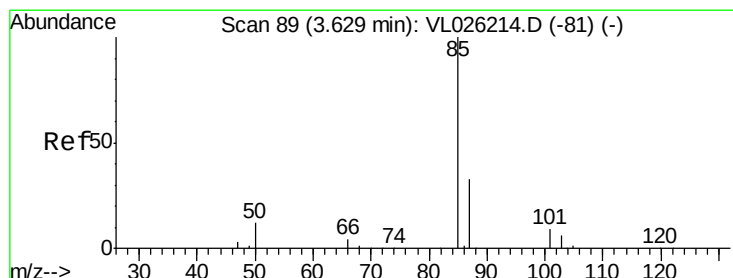
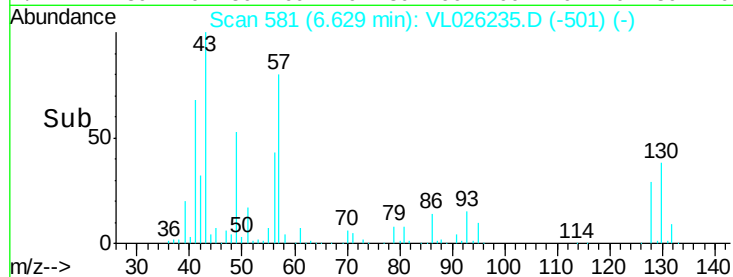
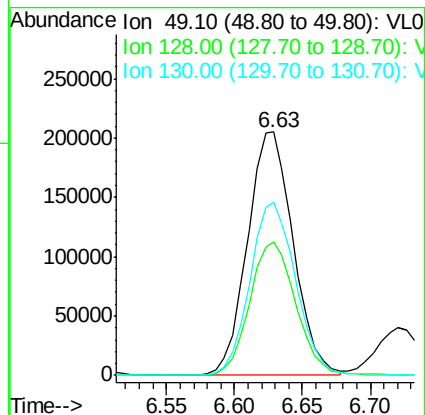
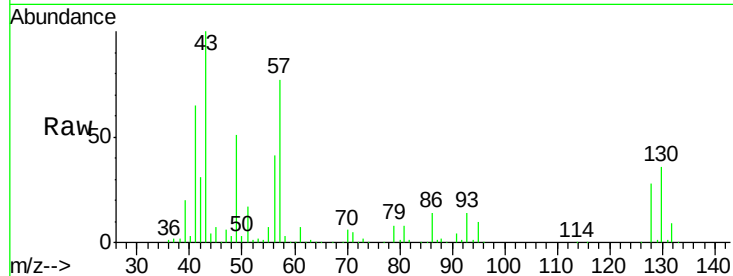
ClientSampleId :

VL1021ABS01

Tot Ion: 49 Resp: 481816
 Ion Ratio Lower Upper
 49 100
 128 55.4 28.2 84.7
 130 71.8 36.0 108.1

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#2

Dichlorodifluoromethane

Concen: 11.28 ppbv

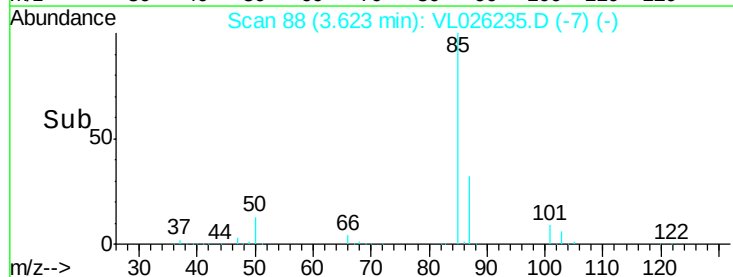
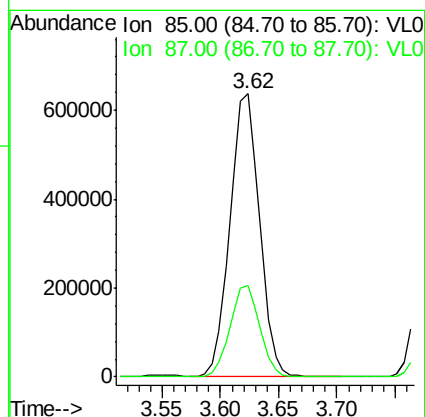
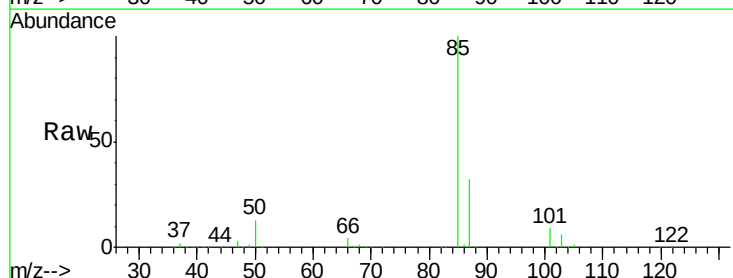
RT: 3.62 min Scan# 88

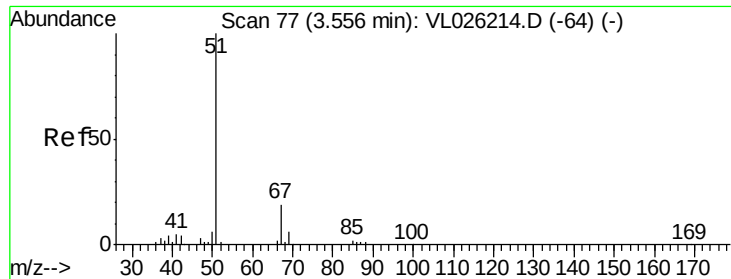
Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Tgt Ion: 85 Resp: 1126612
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.1 39.1





#3

Chlorodifluoromethane

Concen: 10.22 ppbv

RT: 3.55 min Scan# 76

Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS01

Tot Ion: 51 Resp: 623755

Ion Ratio Lower Upper

51 100

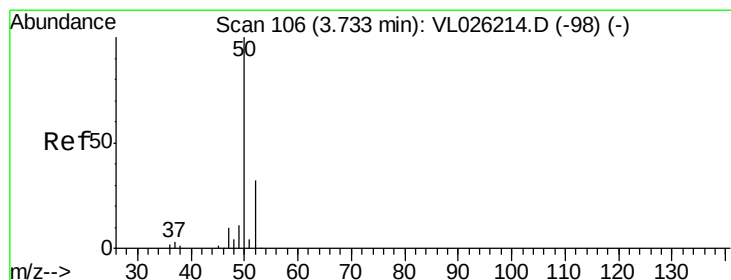
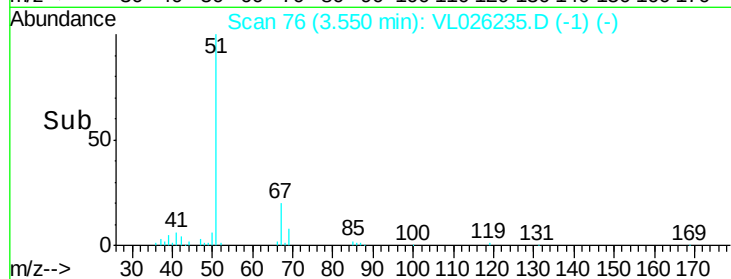
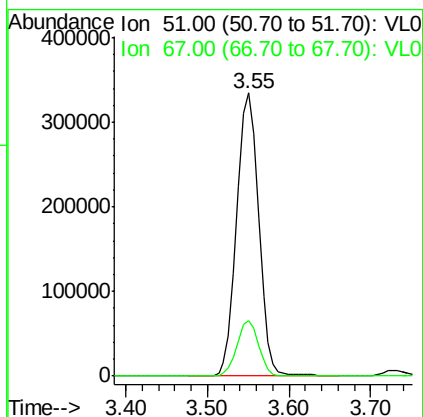
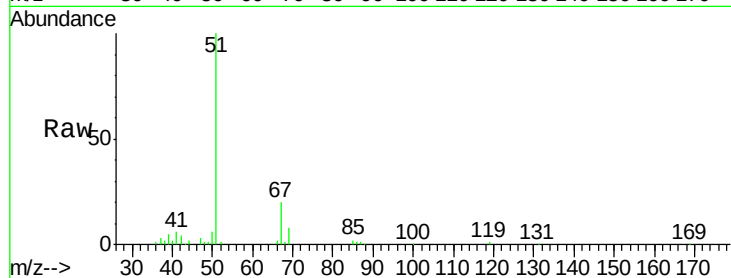
67 19.3 15.3 22.9

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#4

Chloromethane

Concen: 10.71 ppbv

RT: 3.73 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL026235.D

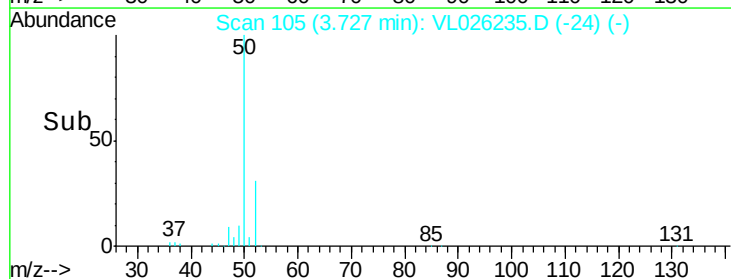
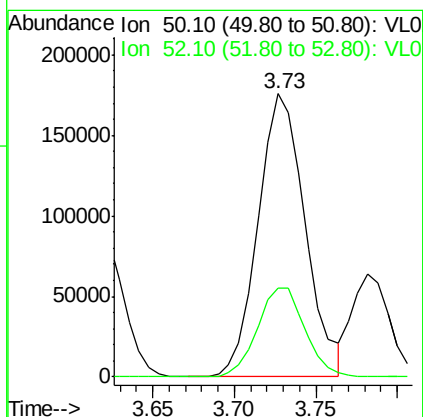
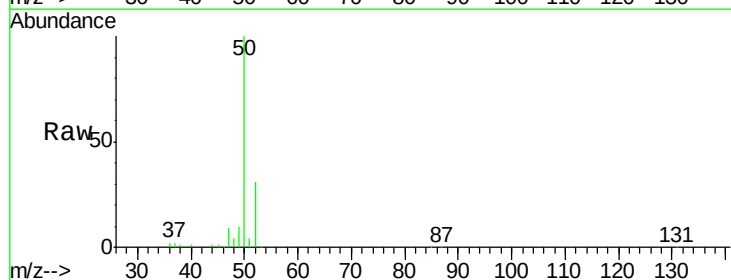
Acq: 21 Oct 2015 12:08

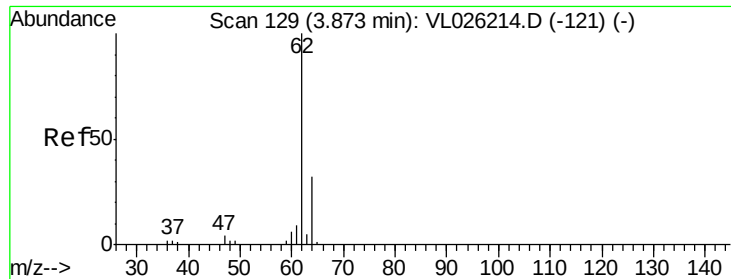
Tgt Ion: 50 Resp: 352613

Ion Ratio Lower Upper

50 100

52 31.3 25.8 38.6





#5

Vinyl Chloride

Concen: 10.69 ppbv

RT: 3.87 min Scan# 128

Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS01

Tot Ion: 62 Resp: 370394

Ion Ratio Lower Upper

62 100

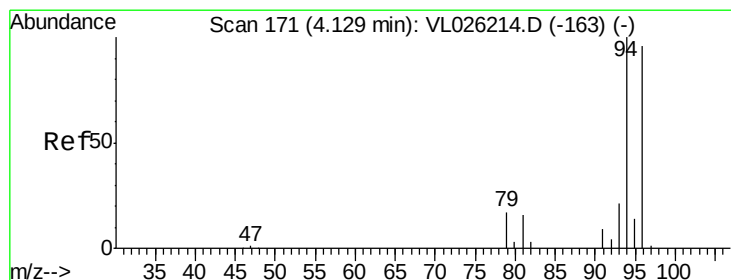
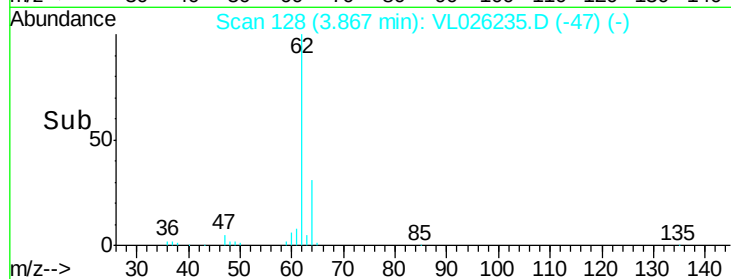
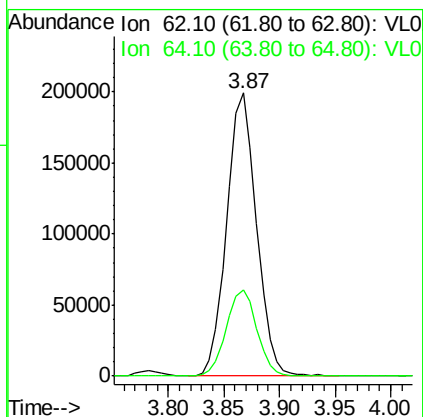
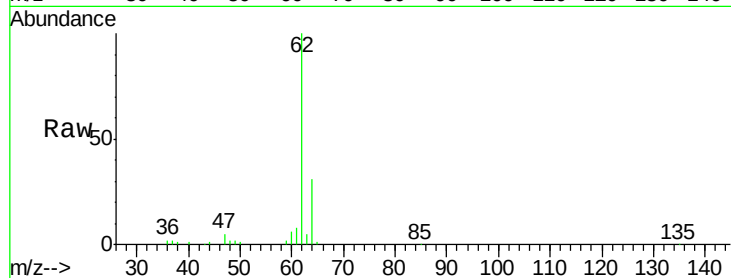
64 30.7 25.6 38.4

Manual Integrations

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#6

Bromomethane

Concen: 10.96 ppbv

RT: 4.12 min Scan# 169

Delta R.T. -0.01 min

Lab File: VL026235.D

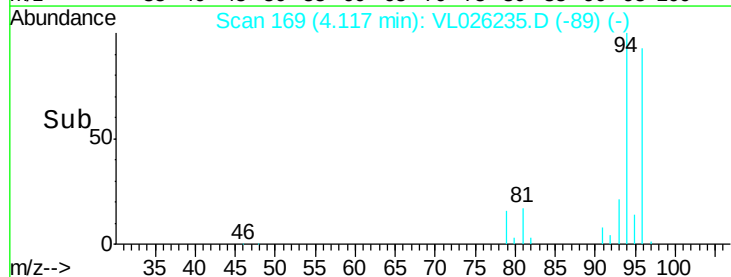
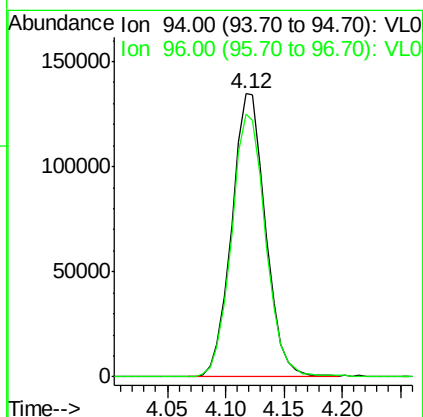
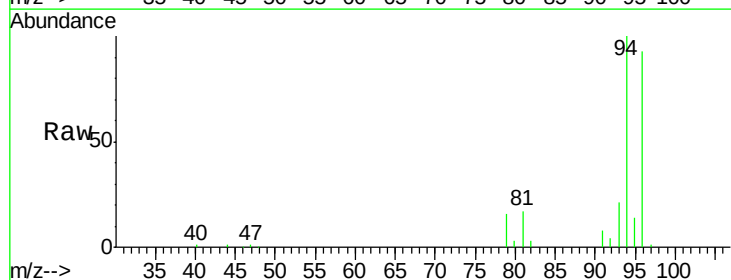
Acq: 21 Oct 2015 12:08

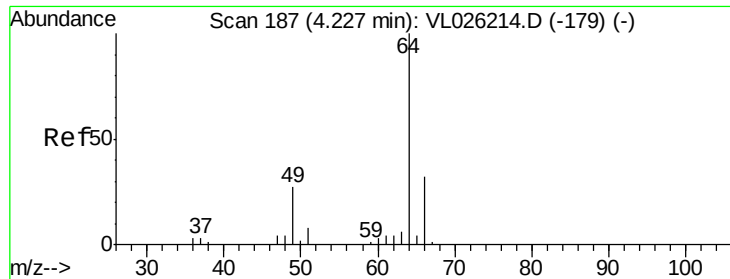
Tgt Ion: 94 Resp: 272744

Ion Ratio Lower Upper

94 100

96 92.9 76.5 114.7





#7

Chloroethane

Concen: 11.11 ppbv

RT: 4.21 min Scan# 185

Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS01

Tot Ion: 64 Resp: 161550

Ion Ratio Lower Upper

64 100

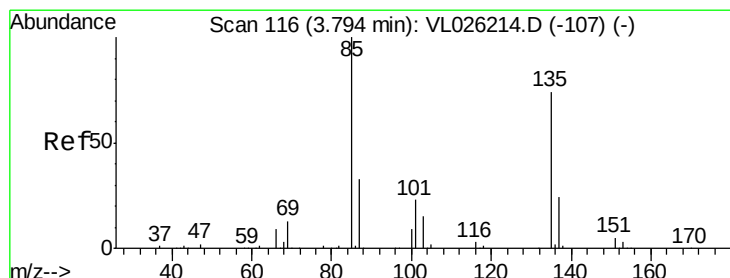
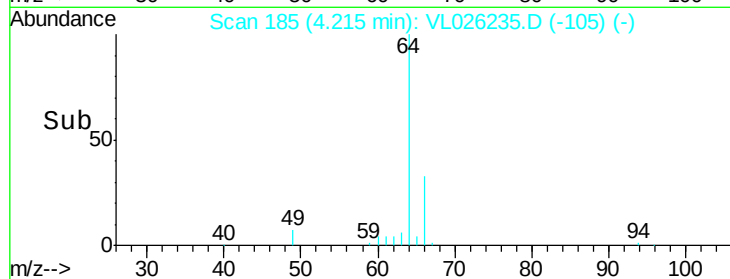
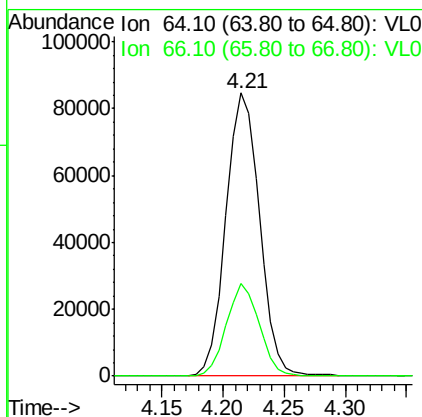
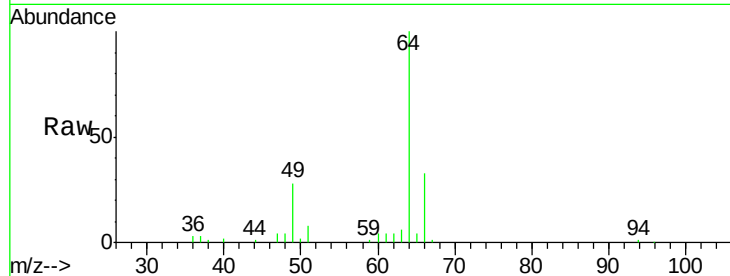
66 32.9 25.4 38.0

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#8

Dichlorotetrafluoroethane

Concen: 10.42 ppbv

RT: 3.78 min Scan# 114

Delta R.T. -0.01 min

Lab File: VL026235.D

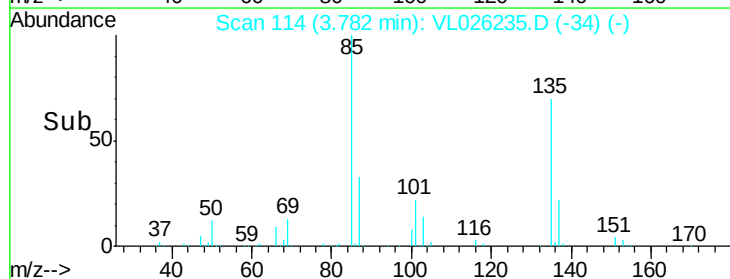
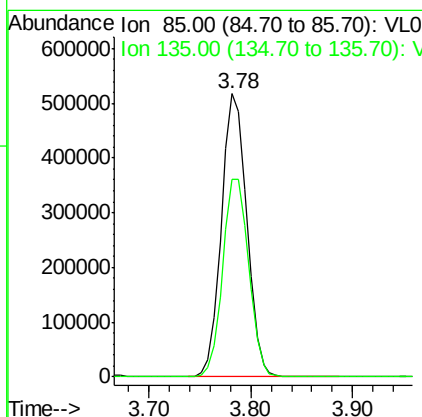
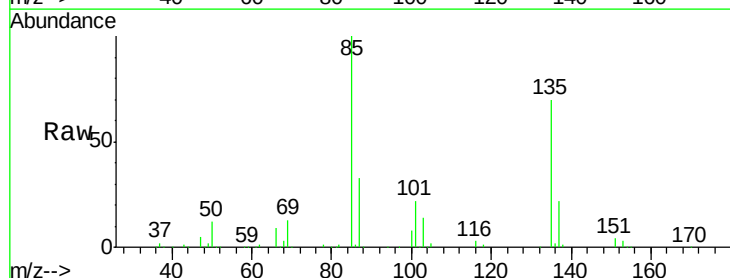
Acq: 21 Oct 2015 12:08

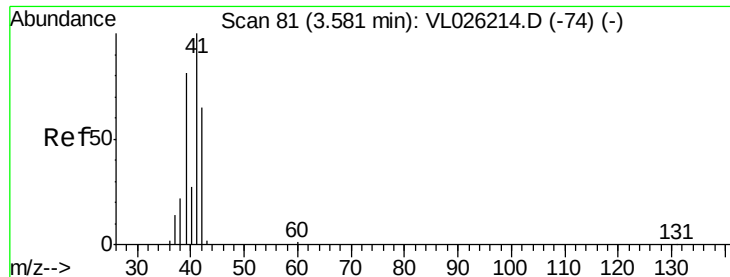
Tgt Ion: 85 Resp: 893773

Ion Ratio Lower Upper

85 100

135 72.1 57.8 86.8





#9

Propene

Concen: 10.31 ppbv

RT: 3.57 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS01

Tot Ion: 41 Resp: 294498

Ion Ratio Lower Upper

41 100

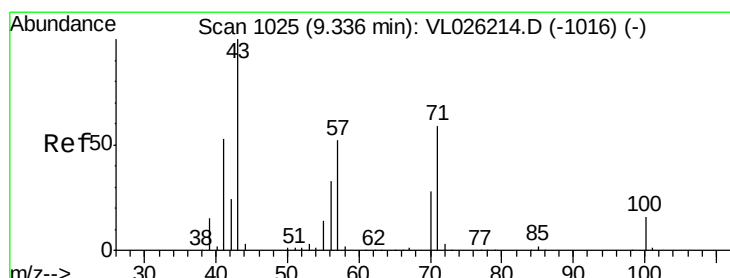
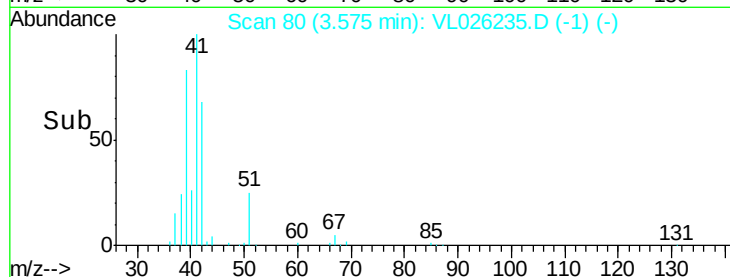
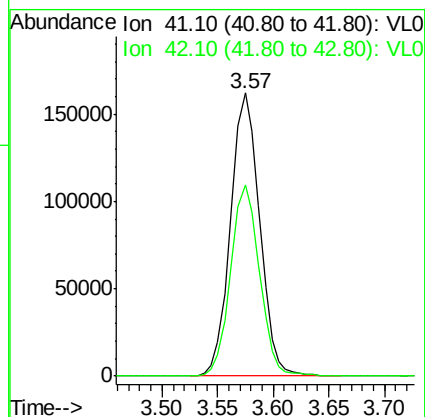
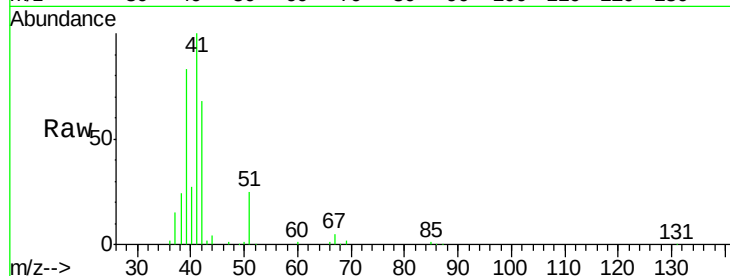
42 67.2 53.8 80.8

Manual Integrations

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#10

Heptane

Concen: 10.27 ppbv

RT: 9.32 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VL026235.D

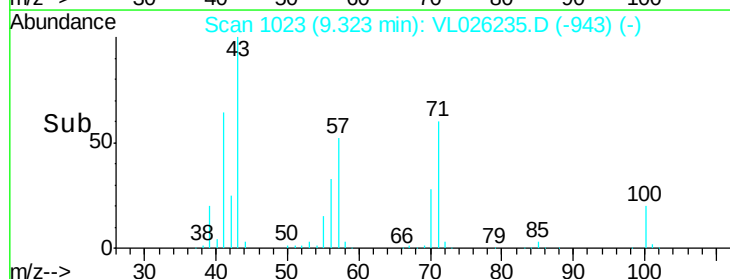
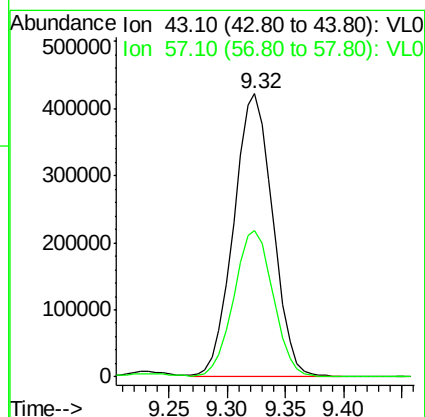
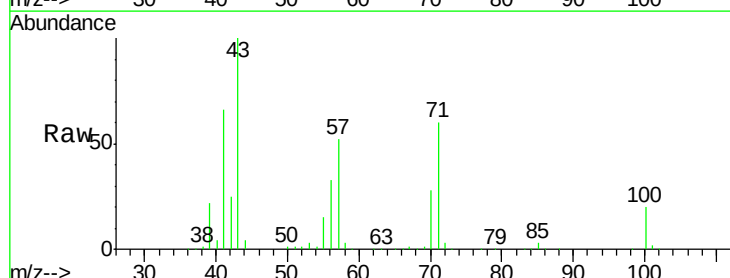
Acq: 21 Oct 2015 12:08

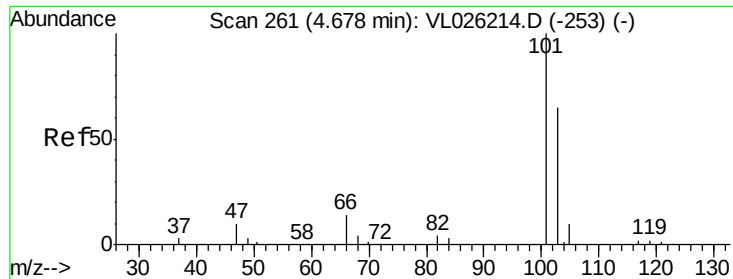
Tgt Ion: 43 Resp: 981562

Ion Ratio Lower Upper

43 100

57 53.3 43.7 65.5





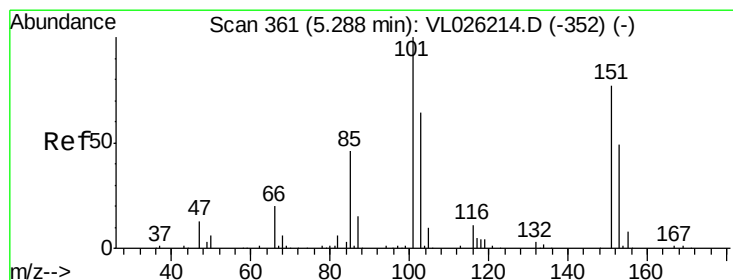
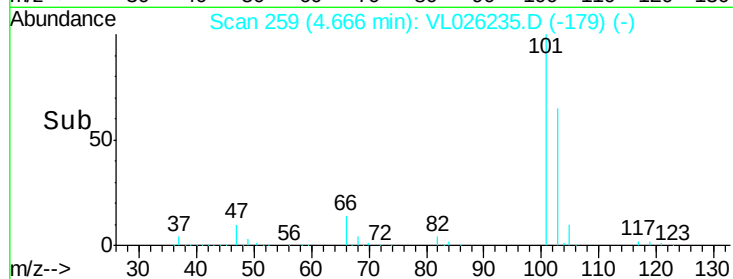
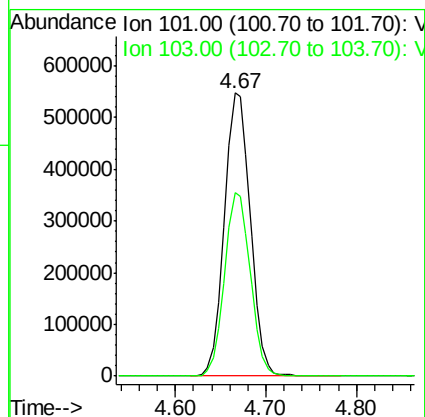
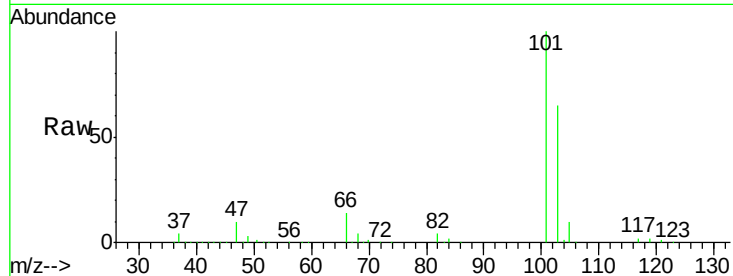
#11
 Trichlorofluoromethane
 Concen: 11.13 ppbv
 RT: 4.67 min Scan# 259
 Delta R.T. -0.01 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion:101 Resp: 1090222
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.2 78.2

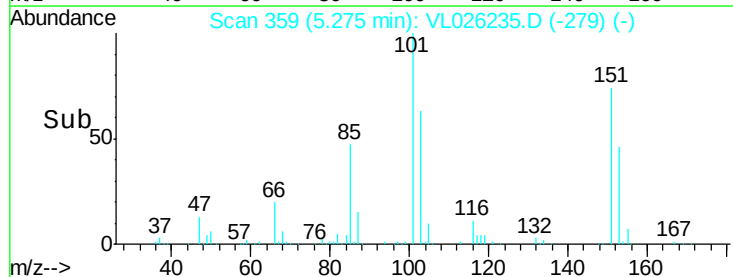
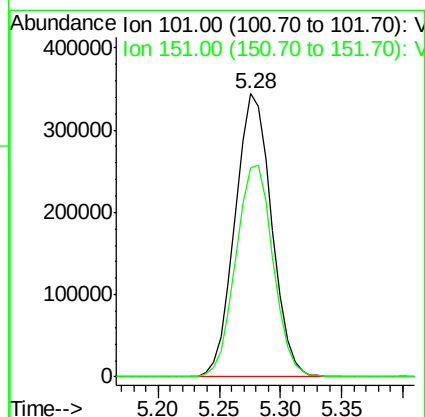
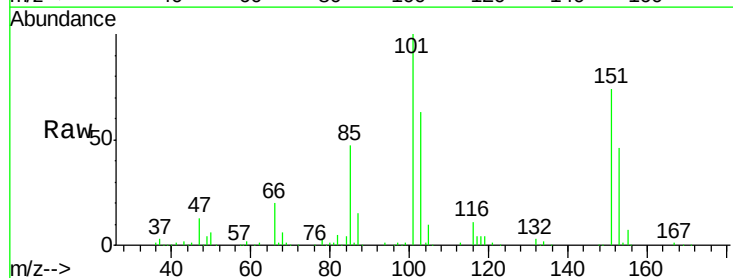
Manual Integrations
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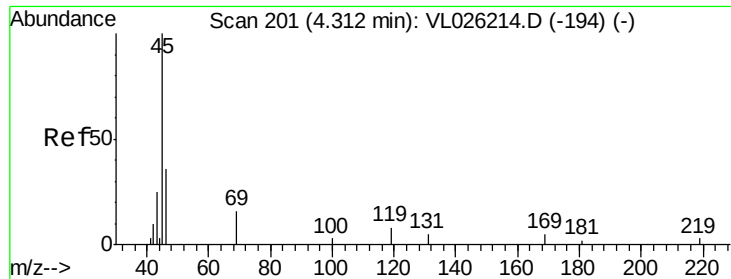
MMDadoda
 10/22/2015 4:35:44 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.71 ppbv
 RT: 5.28 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Tgt Ion:101 Resp: 715879
 Ion Ratio Lower Upper
 101 100
 151 76.4 61.7 92.5





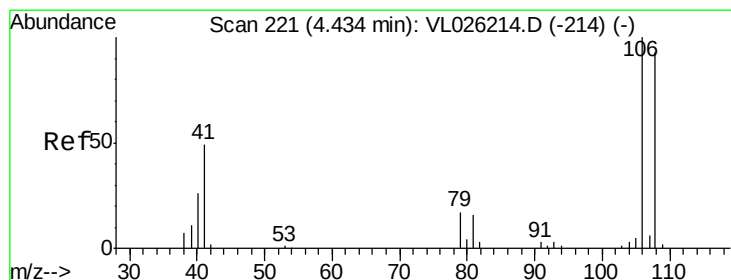
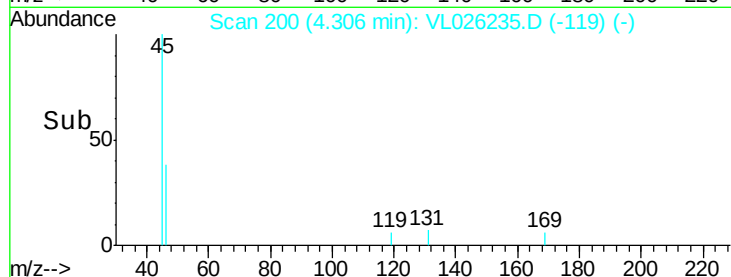
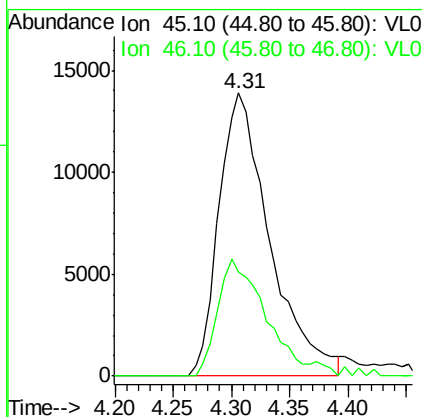
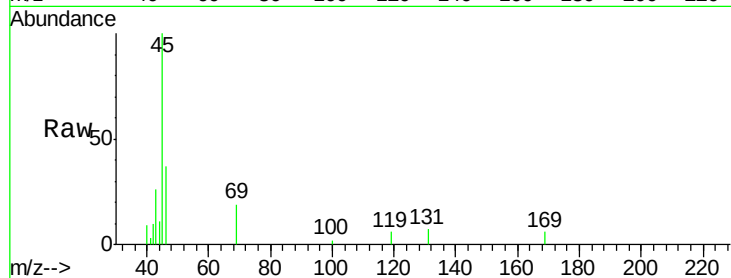
#13
Ethanol
Concen: 9.81 ppbv
RT: 4.31 min Scan# 200
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tot Ion: 45 Resp: 42012
Ion Ratio Lower Upper
45 100
46 40.9 15.8 63.0

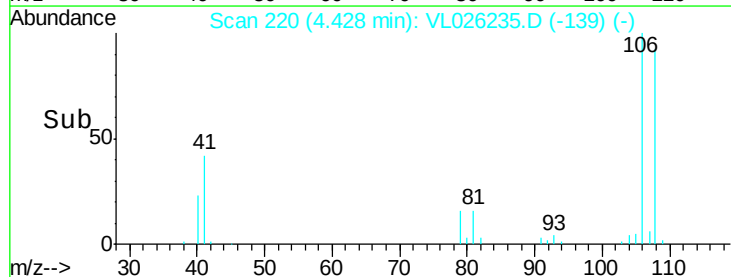
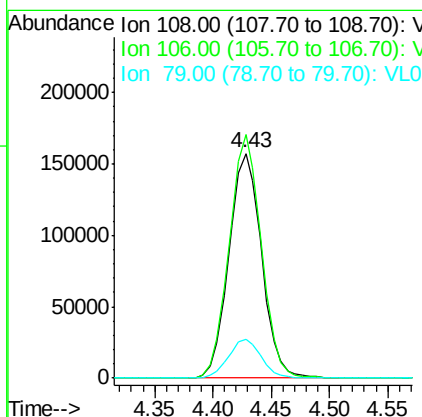
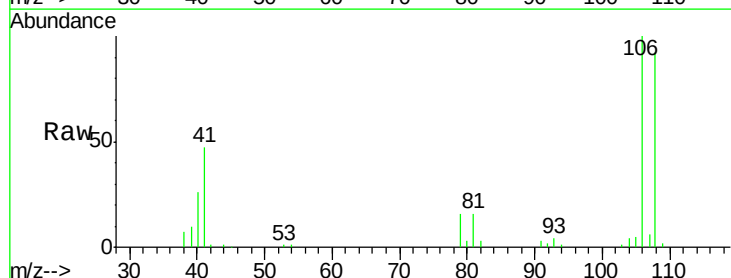
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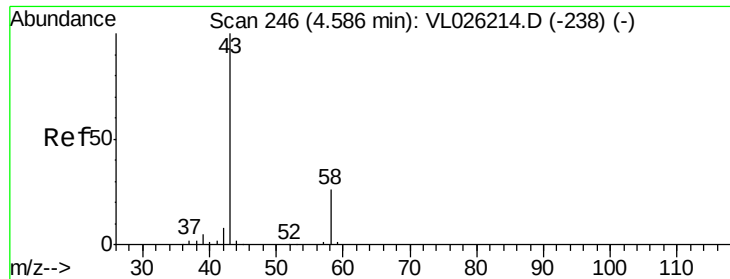
MMDadoda
10/22/2015 4:35:44 PM



#14
Bromoethene
Concen: 10.89 ppbv
RT: 4.43 min Scan# 220
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 108 Resp: 307189
Ion Ratio Lower Upper
108 100
106 107.0 84.7 127.1
79 17.3 14.0 21.0





#15

Acetone

Concen: 9.16 ppbv

RT: 4.57 min Scan# 244

Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS01

Tot Ion: 43 Resp: 649523

Ion Ratio Lower Upper

43 100

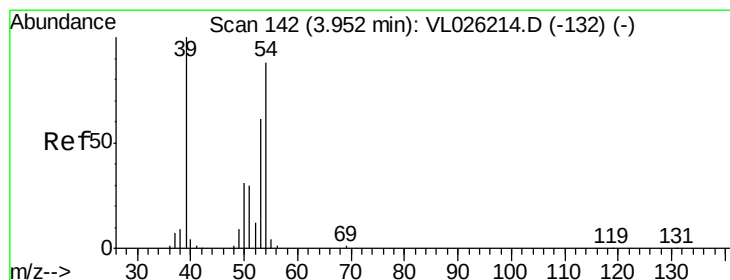
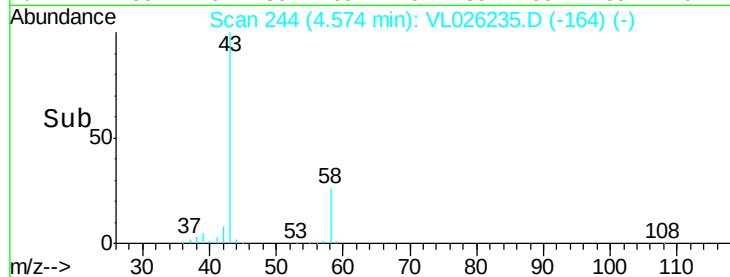
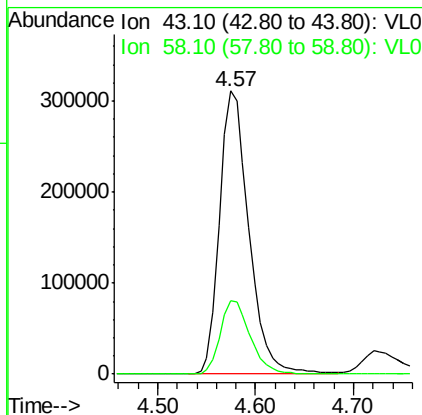
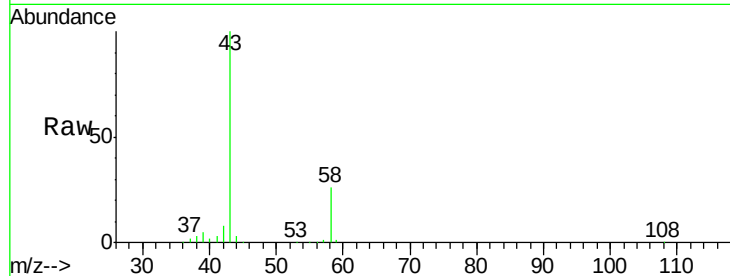
58 26.7 21.8 32.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.61 ppbv

RT: 3.95 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL026235.D

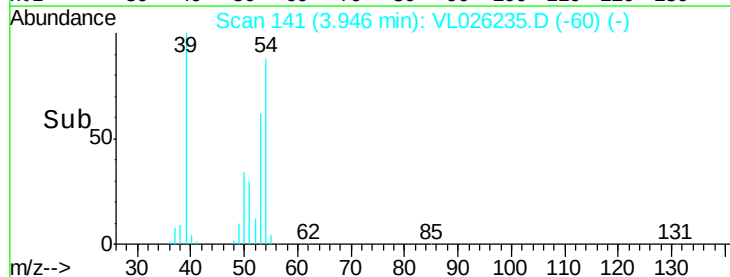
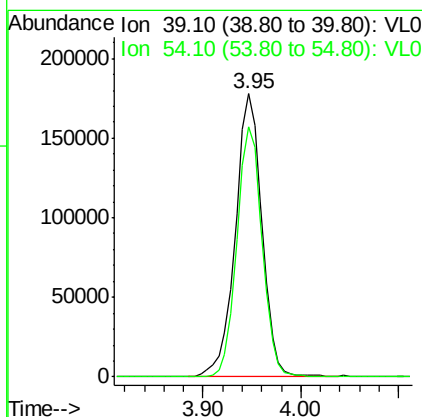
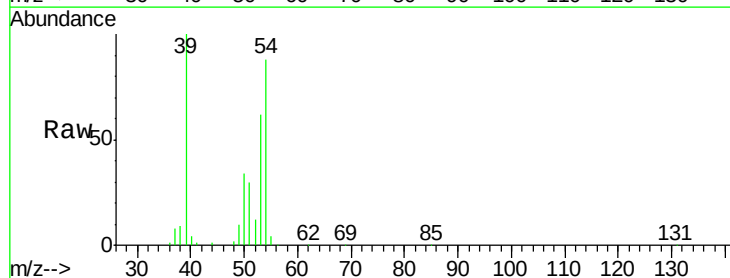
Acq: 21 Oct 2015 12:08

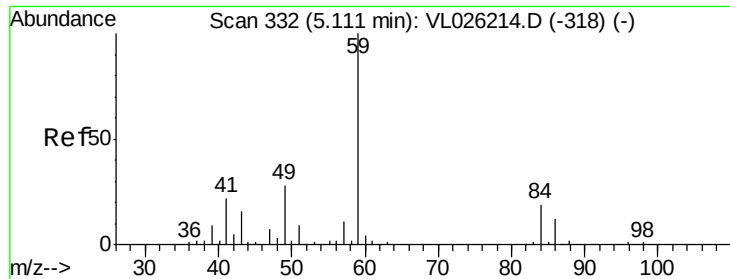
Tgt Ion: 39 Resp: 335602

Ion Ratio Lower Upper

39 100

54 84.1 67.3 100.9





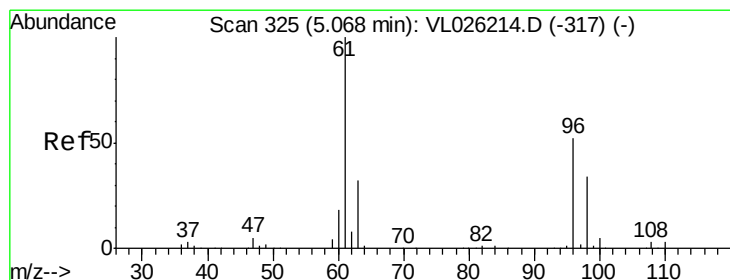
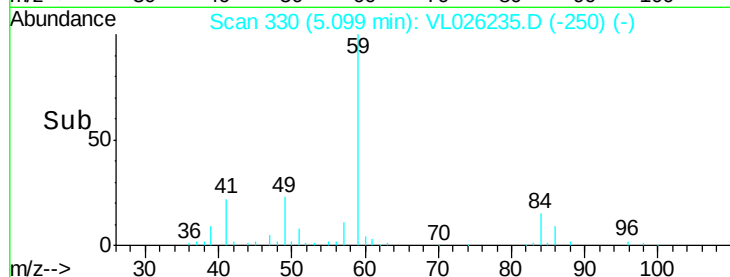
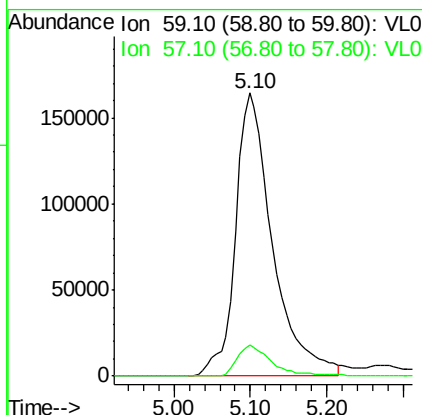
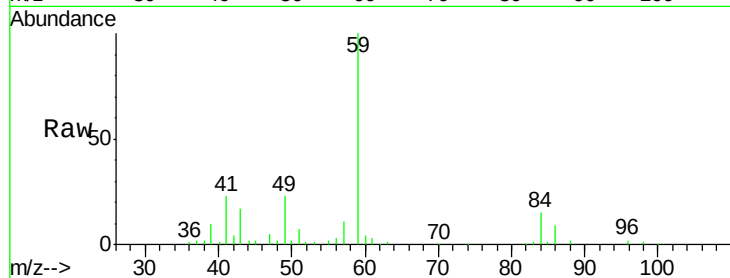
#17
 tert-Butyl alcohol
 Concen: 11.40 ppbv
 RT: 5.10 min Scan# 330
 Delta R.T. -0.01 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

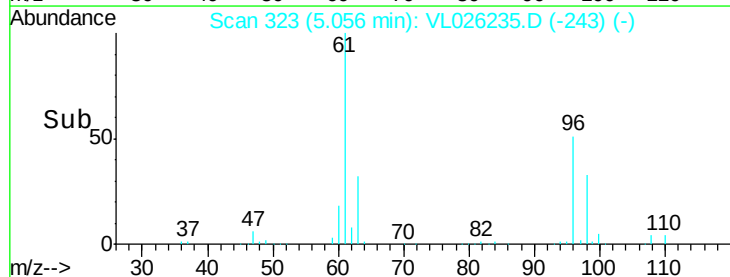
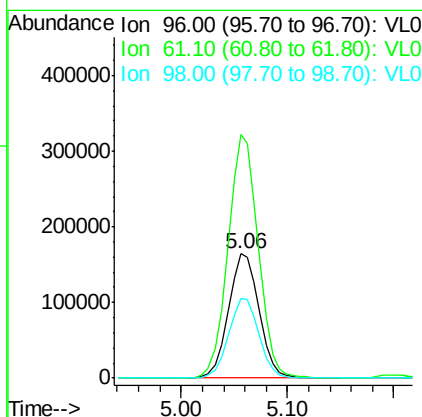
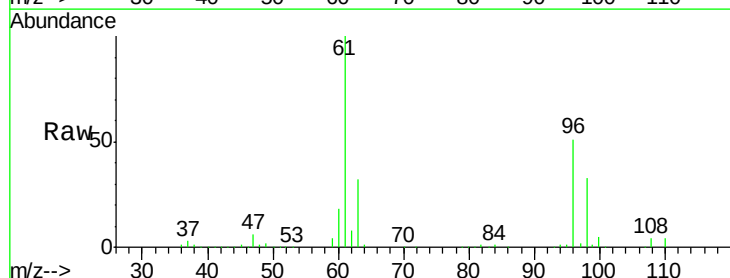
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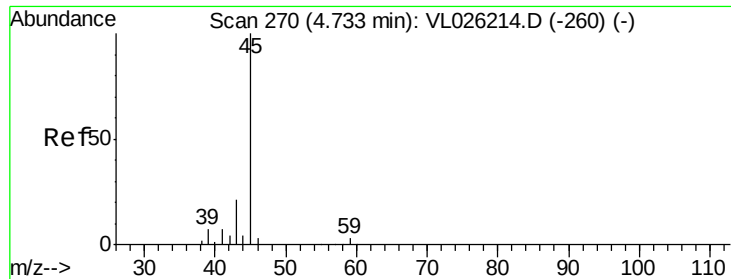
MMDadoda
 10/22/2015 4:35:44 PM



#18
 1,1-Dichloroethene
 Concen: 10.95 ppbv
 RT: 5.06 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.9	153.7	230.5
98	64.1	51.6	77.4





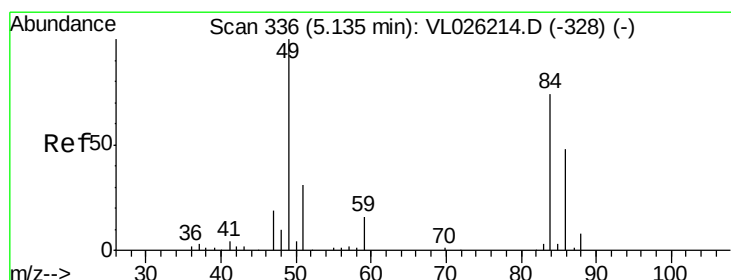
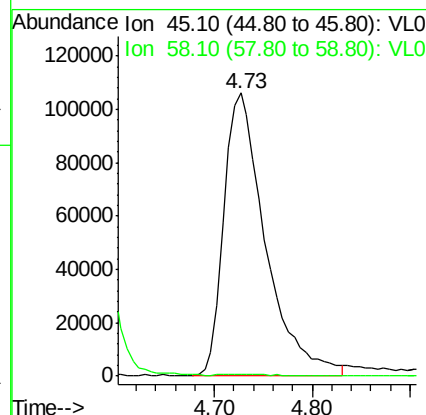
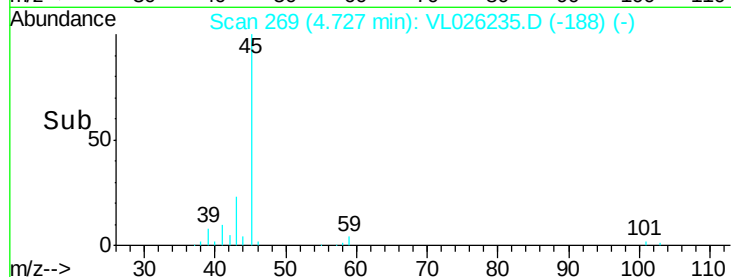
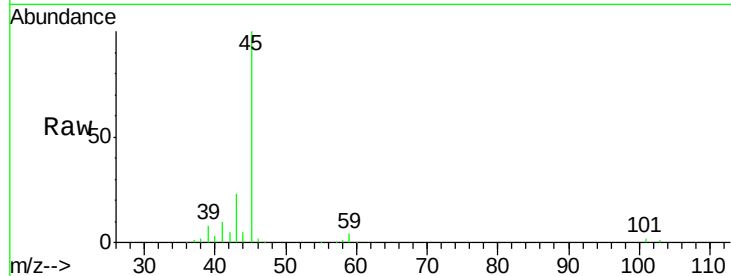
#19
Isopropyl Alcohol
Concen: 11.22 ppbv
RT: 4.73 min Scan# 269
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tot Ion: 45 Resp: 311079
Ion Ratio Lower Upper
45 100
58 55.8 40.3 60.5

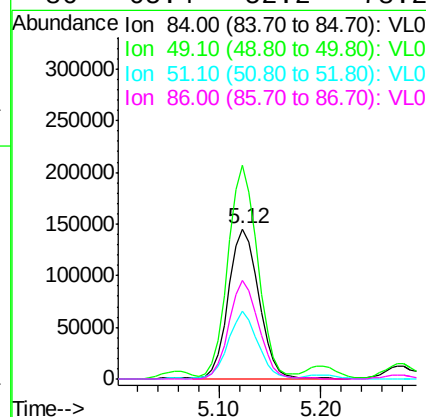
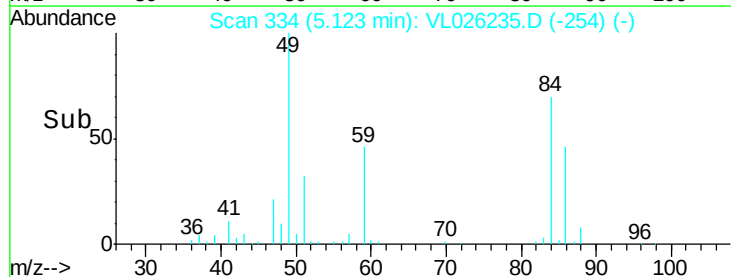
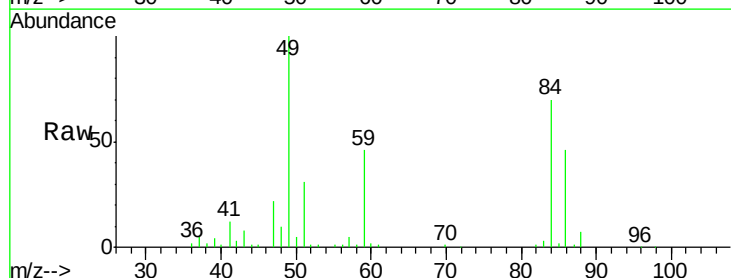
Manual Integrations
APPROVED

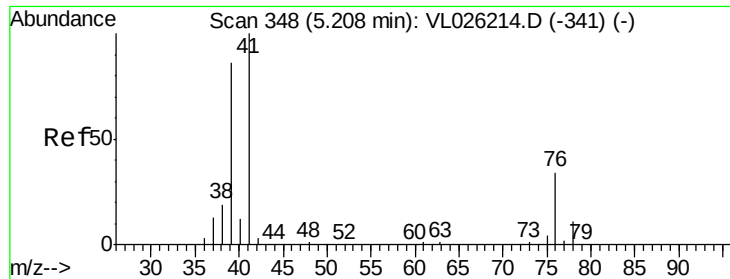
MMDadoda
10/22/2015 4:35:44 PM



#20
Methylene Chloride
Concen: 10.75 ppbv
RT: 5.12 min Scan# 334
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 84 Resp: 304340
Ion Ratio Lower Upper
84 100
49 139.9 108.7 163.1
51 44.5 33.7 50.5
86 65.4 52.2 78.2





#21

Allvl Chloride

Concen: 10.83 ppbv

RT: 5.20 min Scan# 347

Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

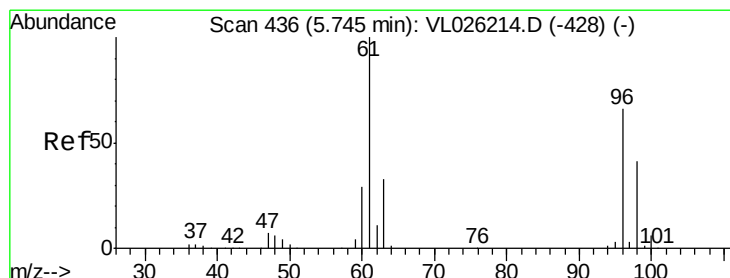
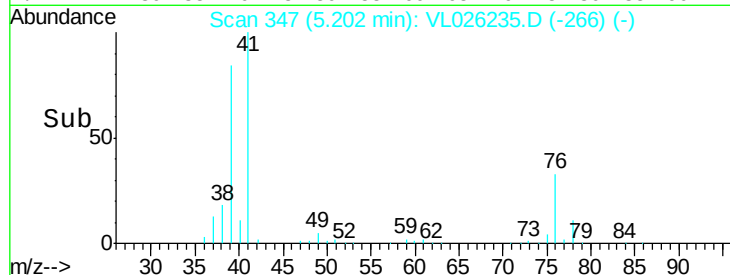
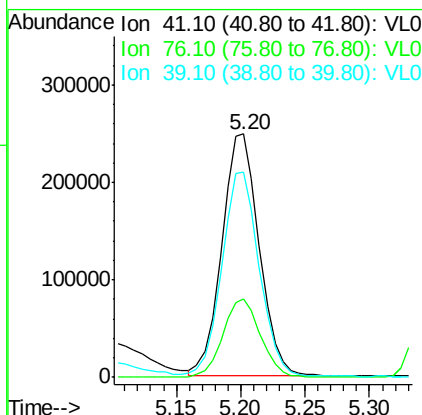
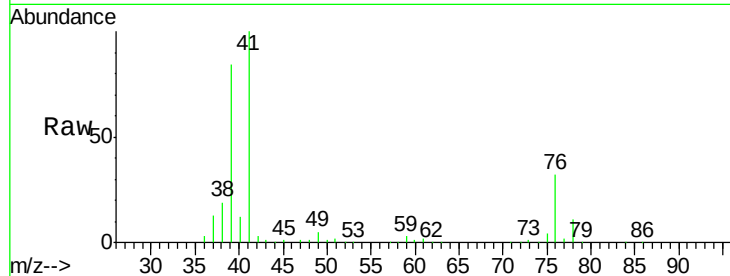
ClientSampleId :

VL1021ABS01

Tot Ion:	41	Resp:	501401
Ion	Ratio	Lower	Upper
41	100		
76	32.8	26.6	39.8
39	85.8	67.4	101.2

Manual Integrations
APPROVED

MMDadoda
10/22/2015 4:35:44 PM



#22

trans-1,2-Dichloroethene

Concen: 11.07 ppbv

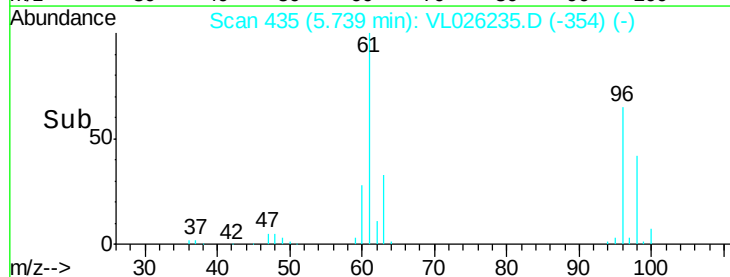
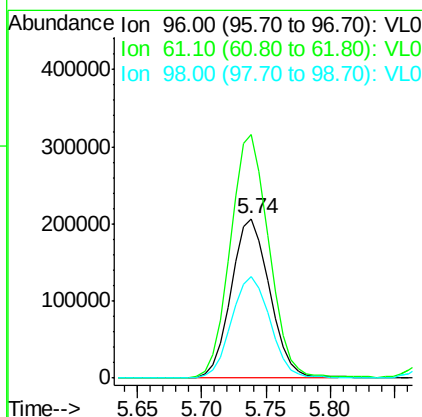
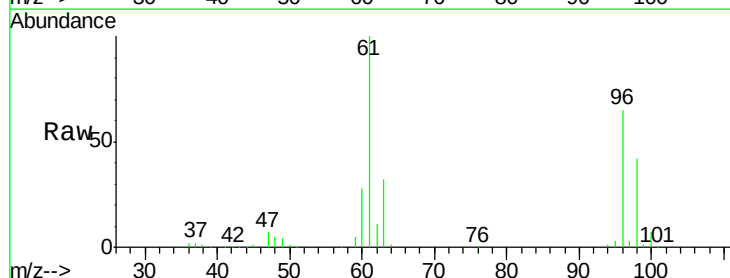
RT: 5.74 min Scan# 435

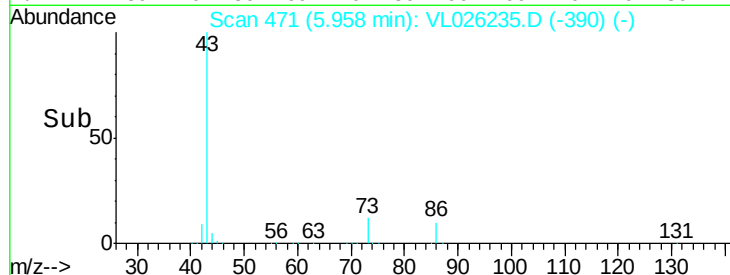
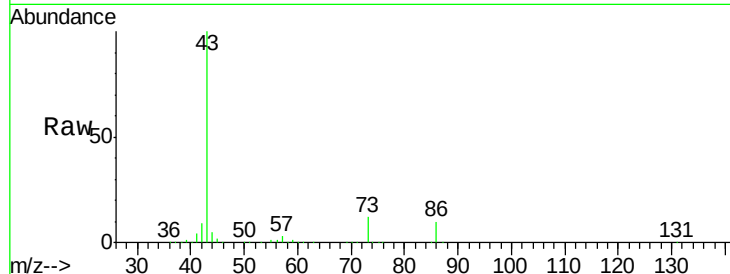
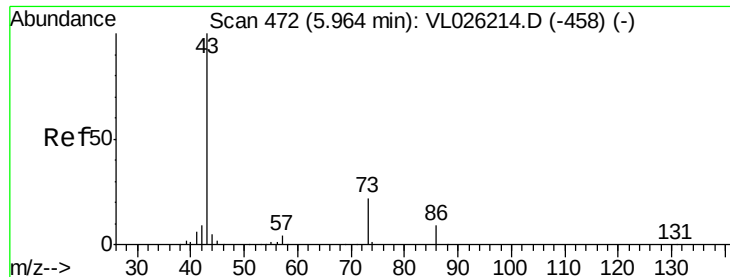
Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

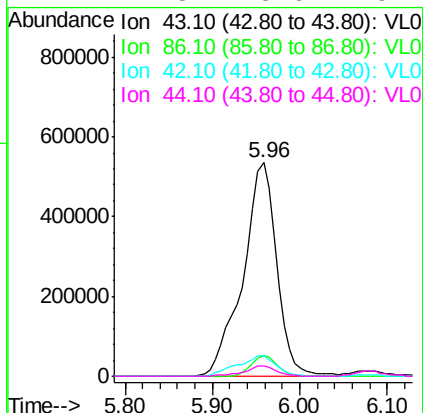
Tgt Ion:	96	Resp:	430886
Ion	Ratio	Lower	Upper
96	100		
61	152.7	121.5	182.3
98	63.7	49.7	74.5





#23
Vinyl Acetate
Concen: 10.89 ppbv
RT: 5.96 min Scan# 471
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

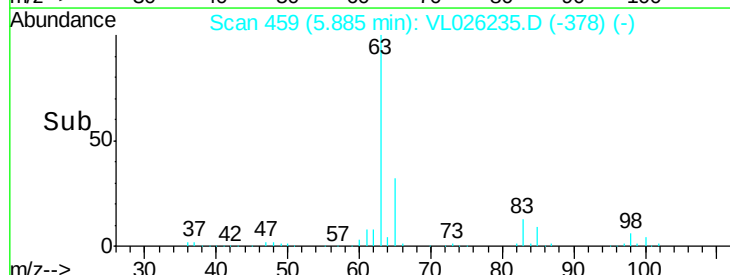
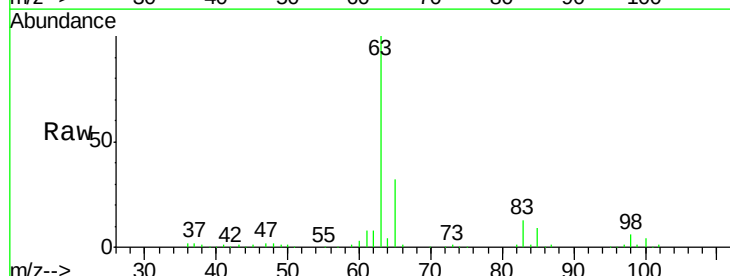
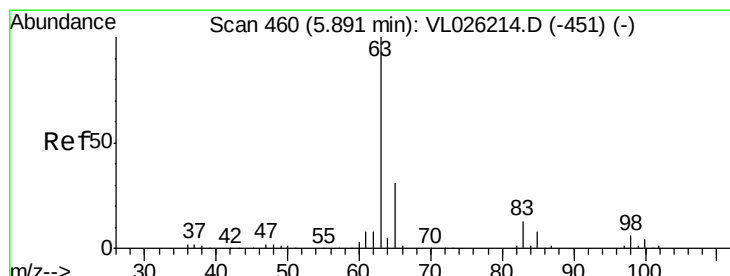
Tot Ion	43	Resp	1423759
Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.0	10.6
42	9.4	7.5	11.3
44	4.8	3.6	5.4



Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

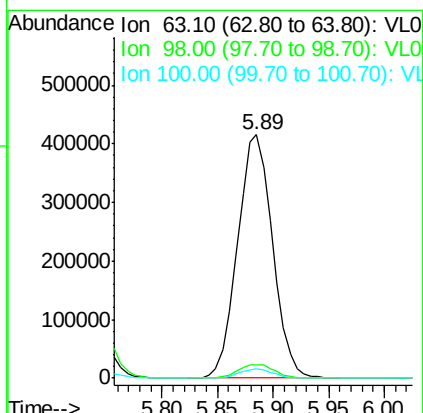
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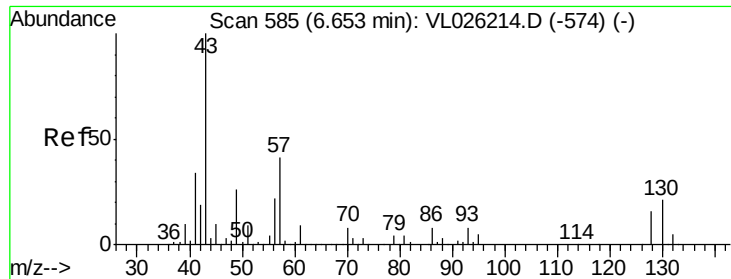
MMDadoda
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#24
1,1-Dichloroethane
Concen: 10.94 ppbv
RT: 5.89 min Scan# 459
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion	63	Resp	902476
Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.9	8.8
100	3.7	1.8	5.5





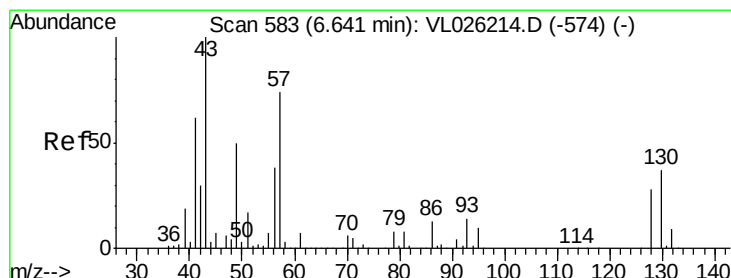
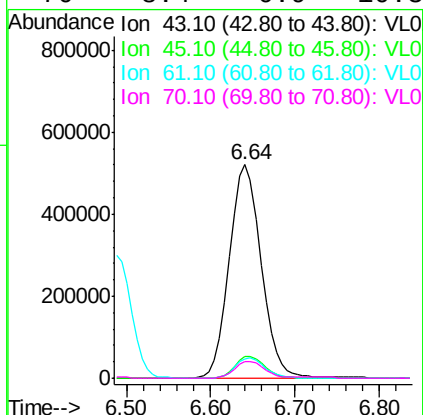
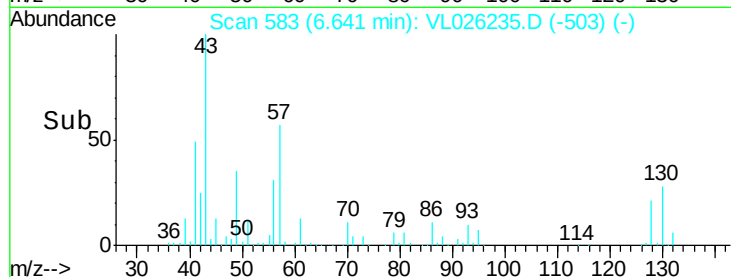
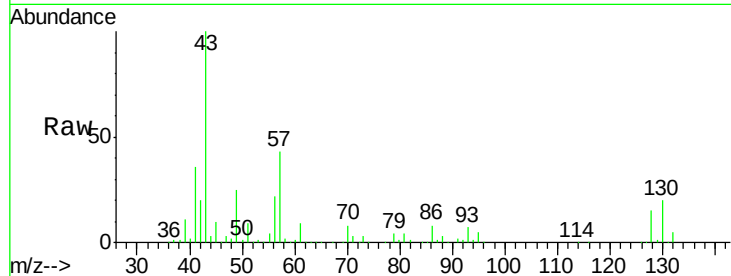
#25
Ethyl Acetate
Concen: 10.04 ppbv
RT: 6.64 min Scan# 583
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.7	11.5
61	8.9	7.5	11.3
70	8.4	6.9	10.3

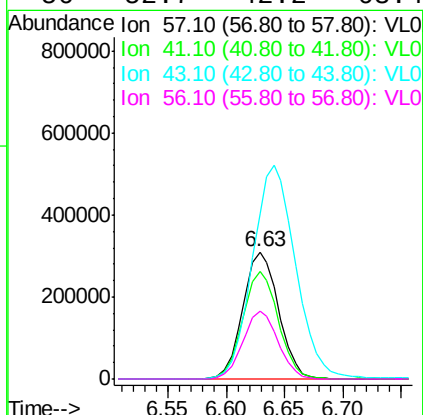
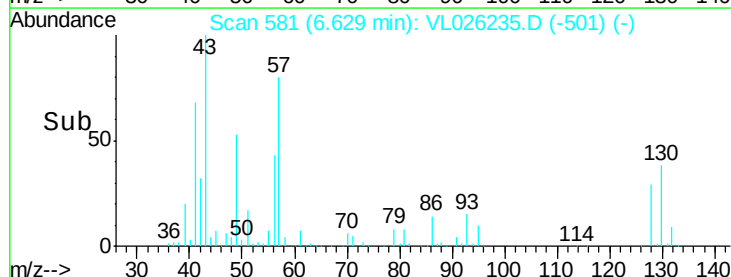
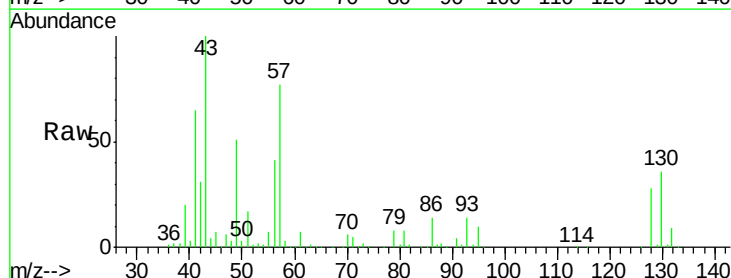
Manual Integrations
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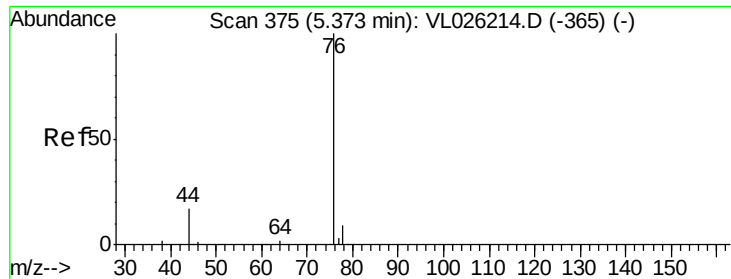
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#26
Hexane
Concen: 9.97 ppbv
RT: 6.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
57	100		
41	85.8	68.1	102.1
43	202.9	163.4	245.2
56	52.7	42.2	63.4





#27

Carbon Disulfide

Concen: 10.86 ppbv

RT: 5.36 min Scan# 373

Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

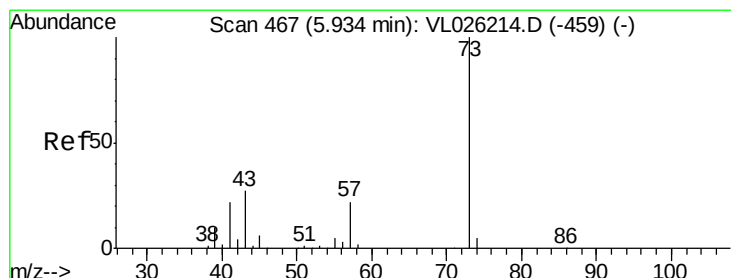
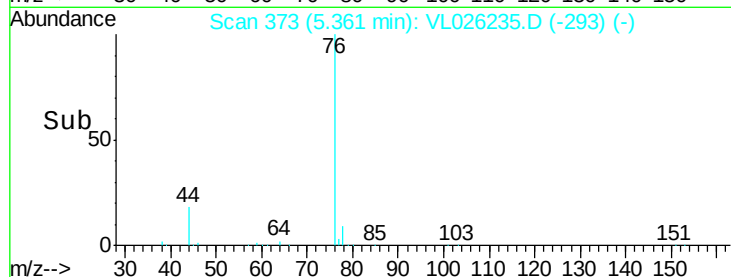
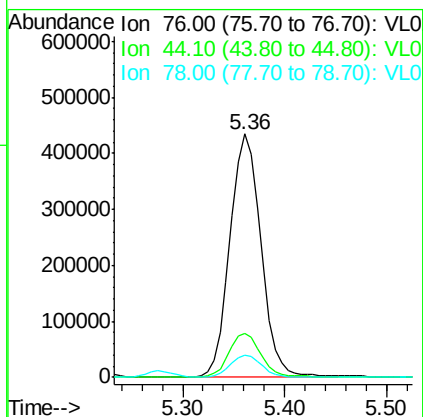
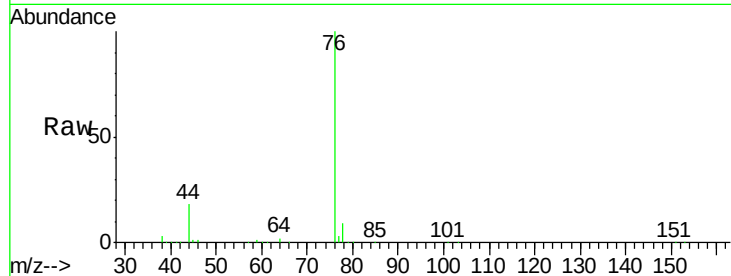
ClientSampleId :

VL1021ABS01

Tot Ion:	76	Resp:	922654
Ion	Ratio	Lower	Upper
76	100		
44	18.3	14.0	21.0
78	9.3	7.4	11.2

Manual Integrations
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10/22/2015 4:35:44 PM



#28

Methyl tert-Butyl Ether

Concen: 10.84 ppbv

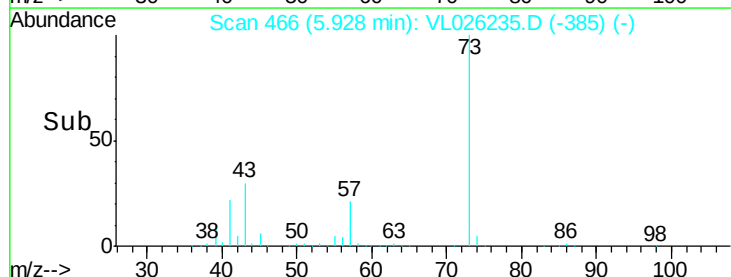
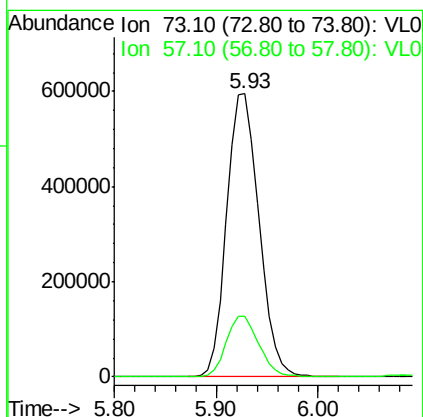
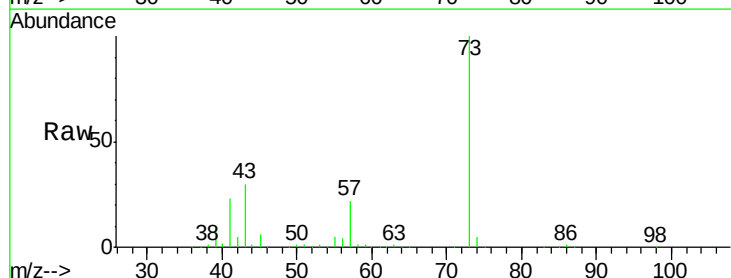
RT: 5.93 min Scan# 466

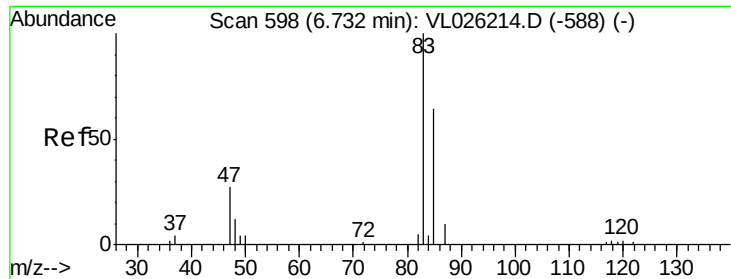
Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Tgt Ion:	73	Resp:	1309413
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0





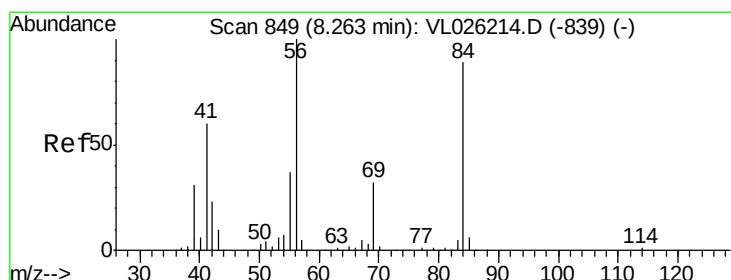
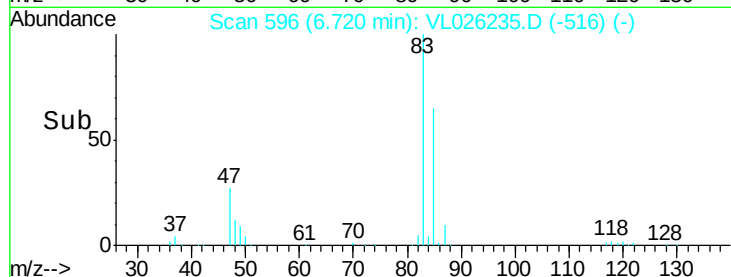
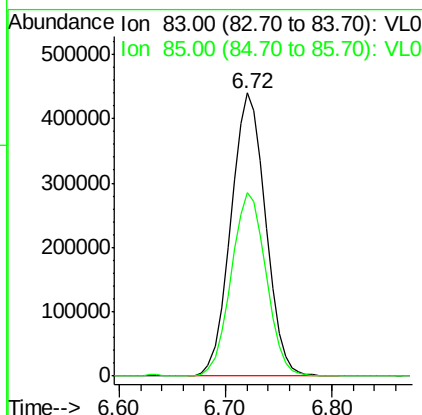
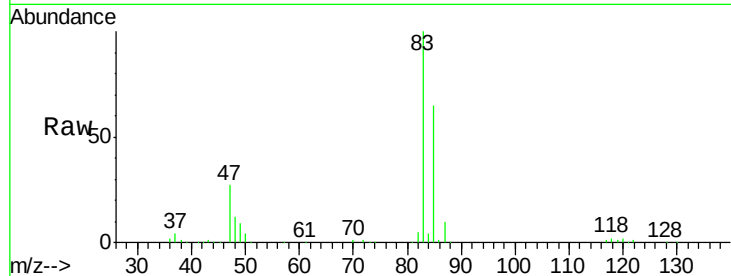
#29
Chloroform
Concen: 10.46 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tot Ion: 83 Resp: 1008372
Ion Ratio Lower Upper
83 100
85 65.0 51.5 77.3

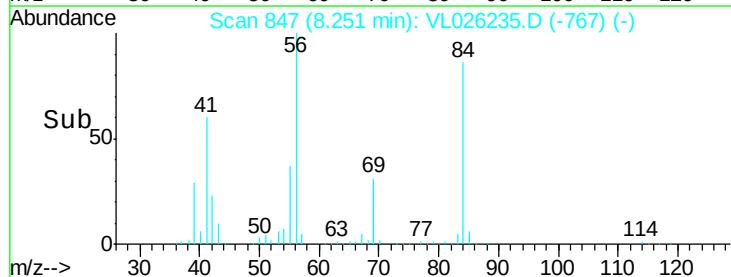
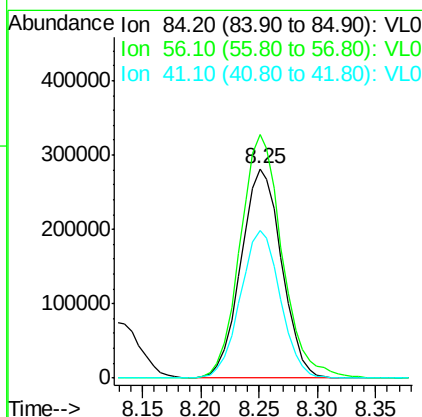
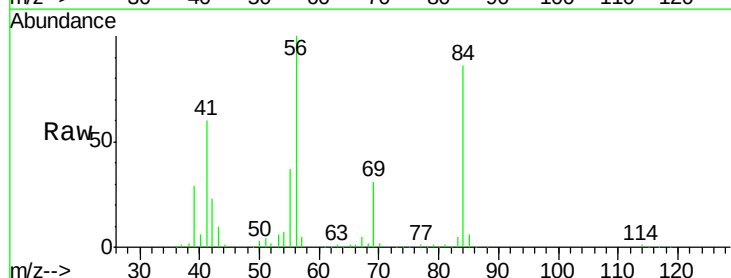
Manual Integrations
APPROVED

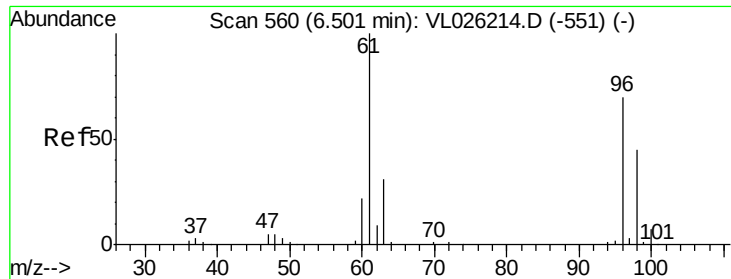
MMDadoda
10/22/2015 4:35:44 PM



#30
Cyclohexane
Concen: 10.27 ppbv
RT: 8.25 min Scan# 847
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 84 Resp: 682854
Ion Ratio Lower Upper
84 100
56 120.4 95.9 143.9
41 69.6 54.8 82.2





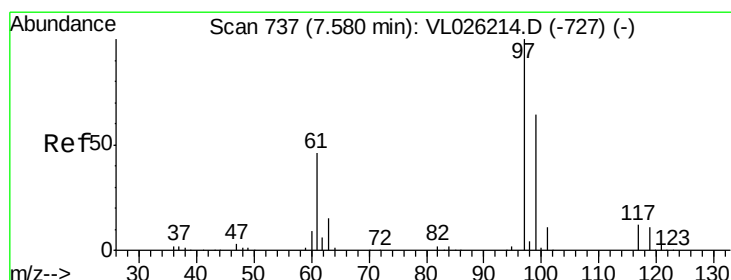
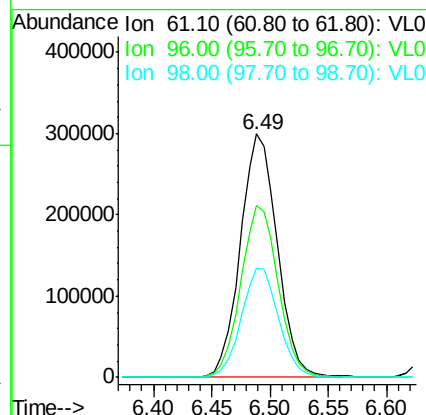
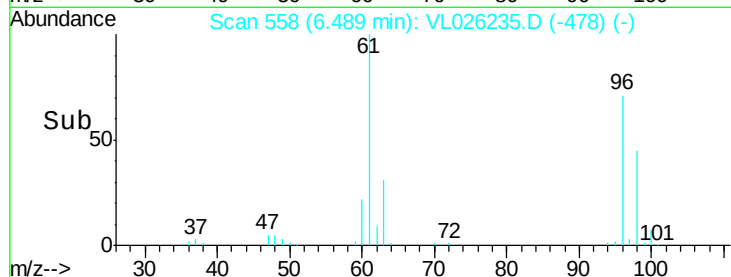
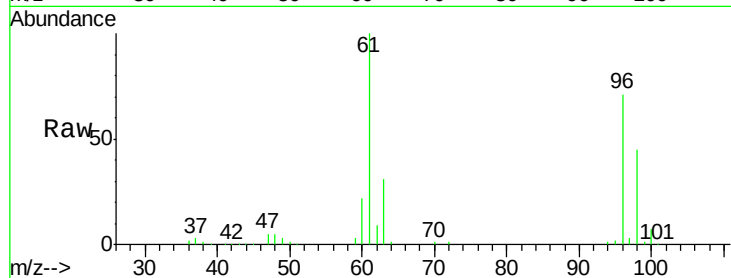
#31
 cis-1,2-Dichloroethene
 Concen: 10.98 ppbv
 RT: 6.49 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.8	56.0	84.0
98	44.7	36.1	54.1

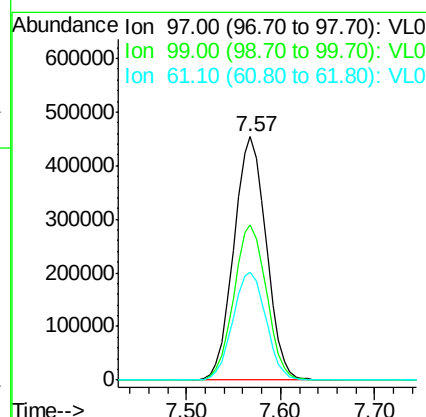
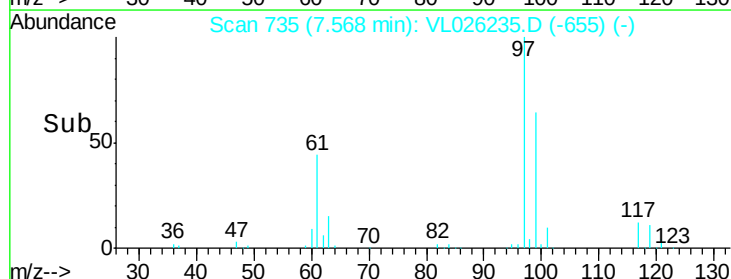
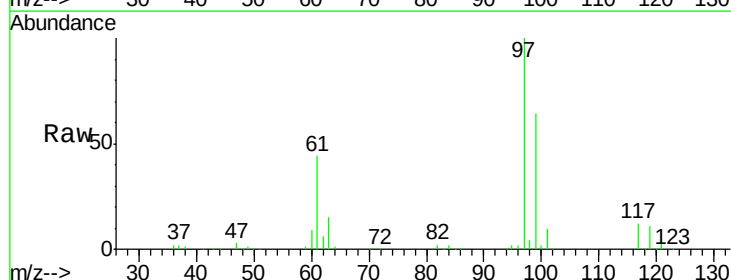
Manual Integrations
 APPROVED

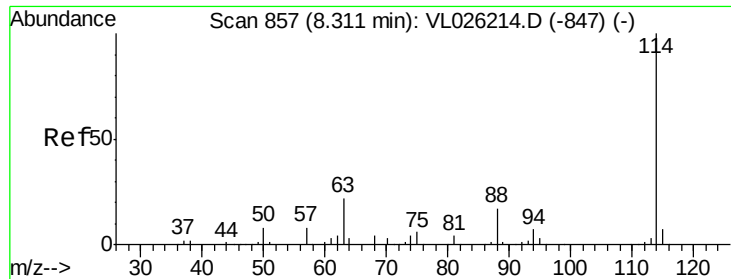
MMDadoda
 10/22/2015 4:35:44 PM



#32
 1,1,1-Trichloroethane
 Concen: 10.18 ppbv
 RT: 7.57 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	45.4	36.2	54.4





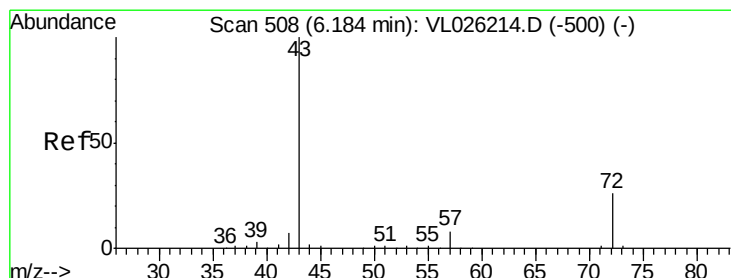
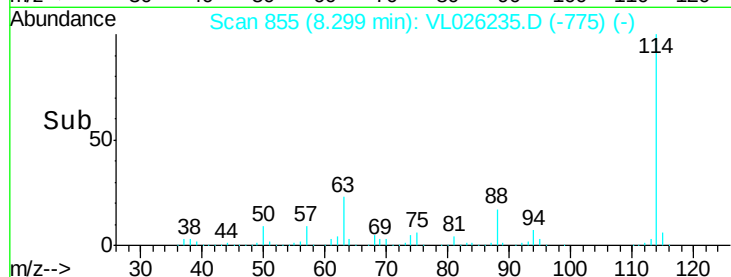
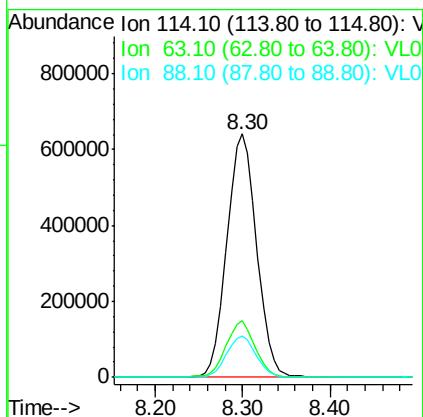
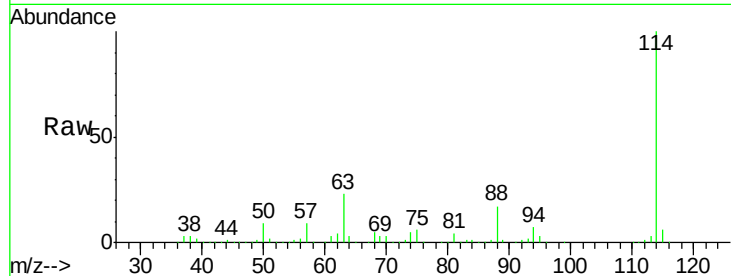
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.30 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion:114 Resp: 1511896
 Ion Ratio Lower Upper
 114 100
 63 22.9 18.2 27.4
 88 16.8 13.5 20.3

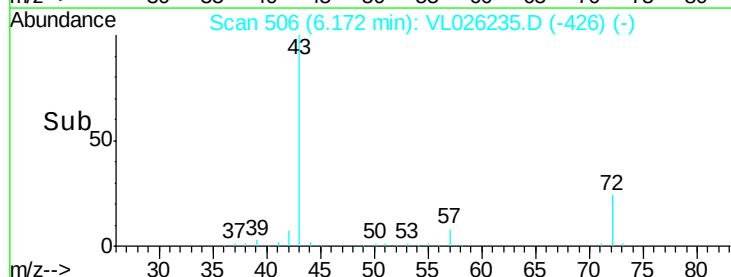
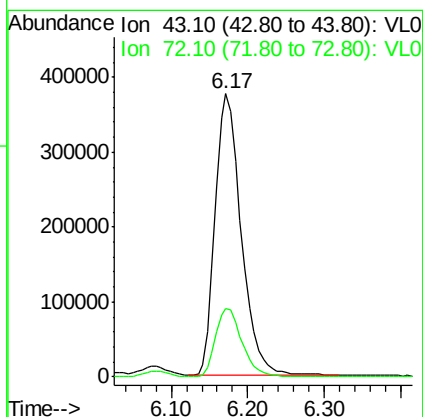
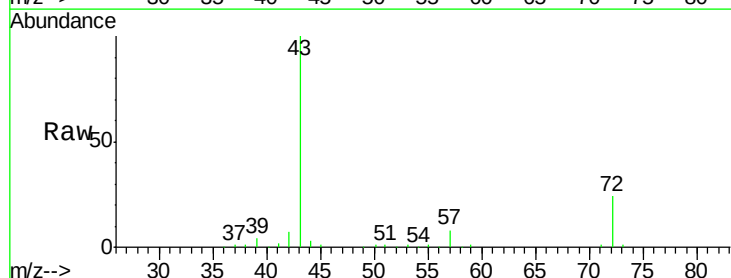
Manual Integrations
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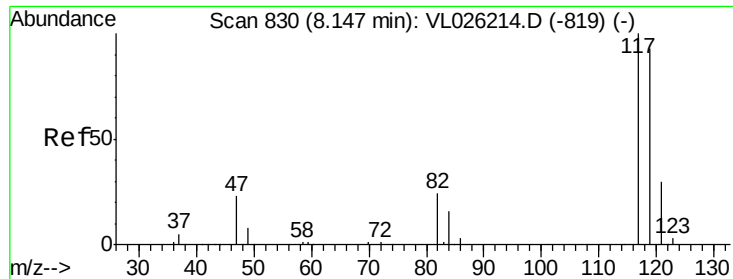
MMDadoda
 10/22/2015 4:35:44 PM



#34
 2-Butanone
 Concen: 10.41 ppbv
 RT: 6.17 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Tgt Ion: 43 Resp: 889695
 Ion Ratio Lower Upper
 43 100
 72 25.1 20.1 30.1





#35

Carbon Tetrachloride

Concen: 9.82 ppbv

RT: 8.13 min Scan# 827

Delta R.T. -0.02 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS01

Tot Ion:117 Resp: 1131368

Ion Ratio Lower Upper

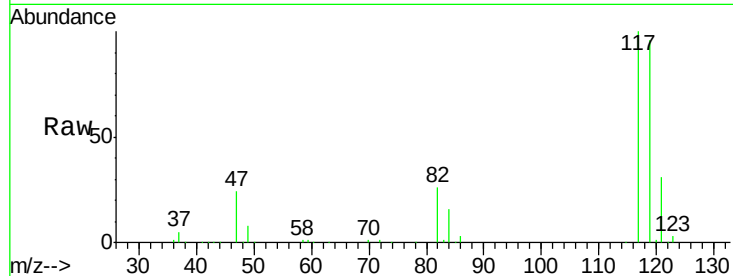
117 100

119 96.1 74.6 111.8

121 30.8 24.2 36.2

Manual Integrations
APPROVED

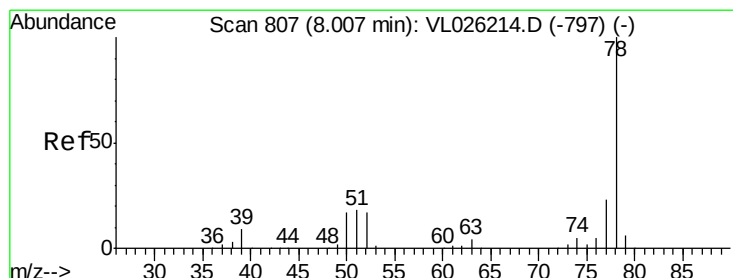
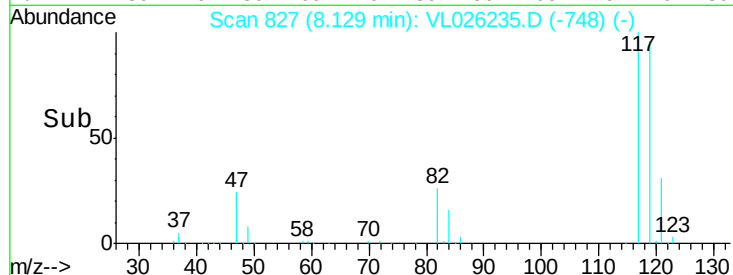
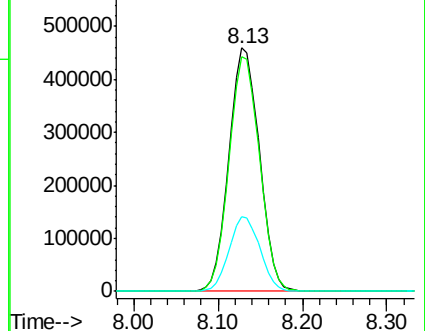
MMDadoda
10/22/2015 4:35:44 PM



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: 10.05 ppbv

RT: 7.99 min Scan# 805

Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

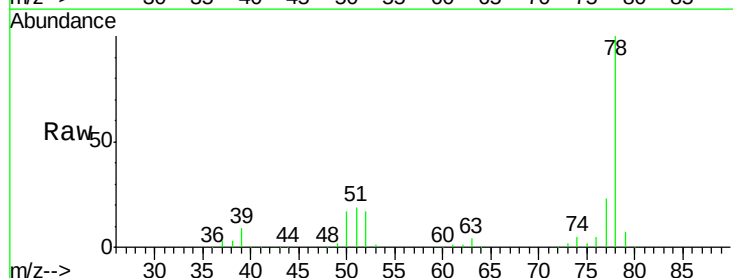
Tgt Ion: 78 Resp: 1546852

Ion Ratio Lower Upper

78 100

77 23.1 18.1 27.1

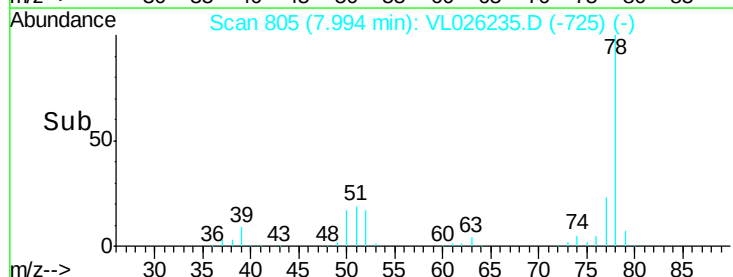
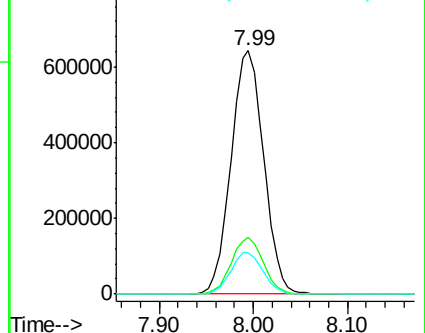
50 17.0 13.8 20.8

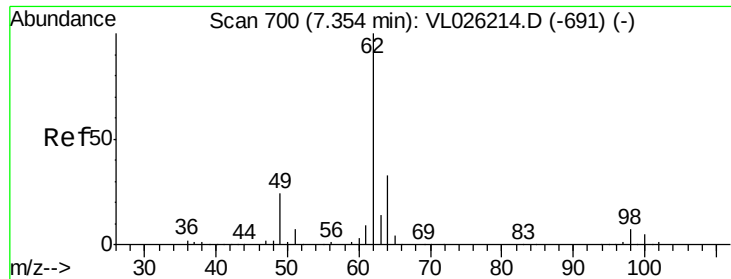


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





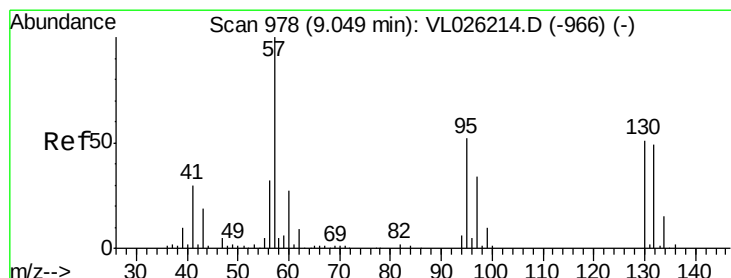
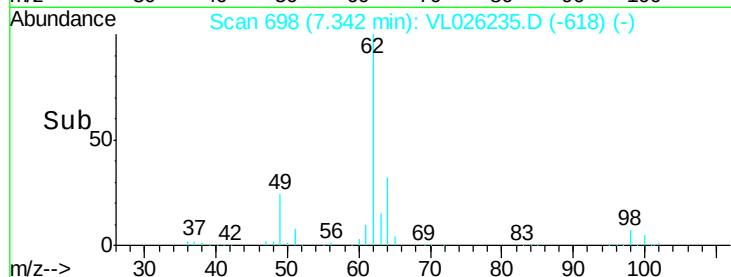
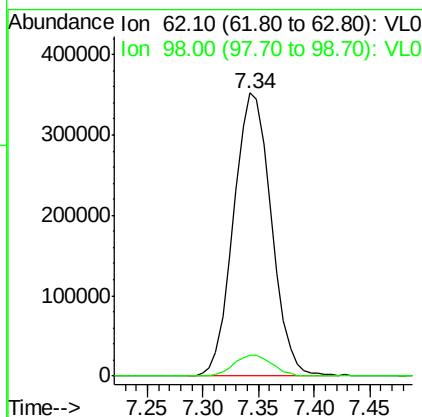
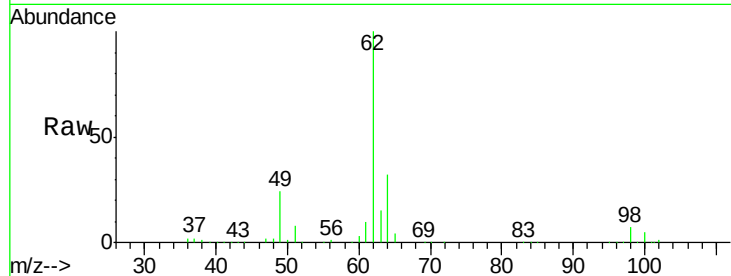
#37
 1,2-Dichloroethane
 Concen: 10.49 ppbv
 RT: 7.34 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion	Ratio	Resp	Lower	Upper
62	100	830286		
98	7.6		6.1	9.1

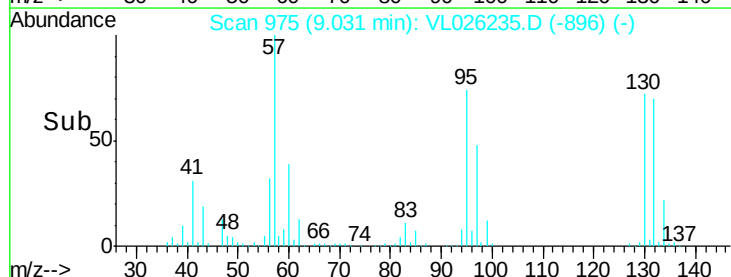
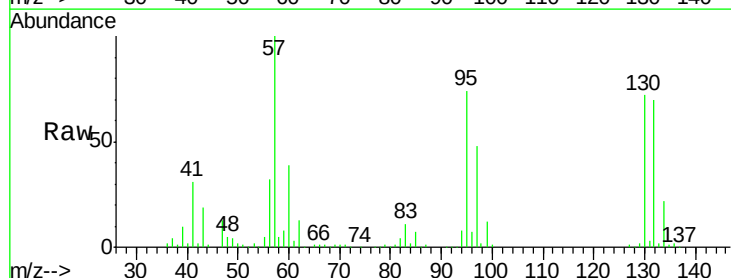
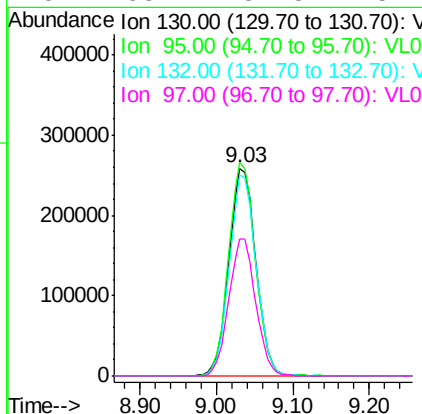
Manual Integrations
 APPROVED

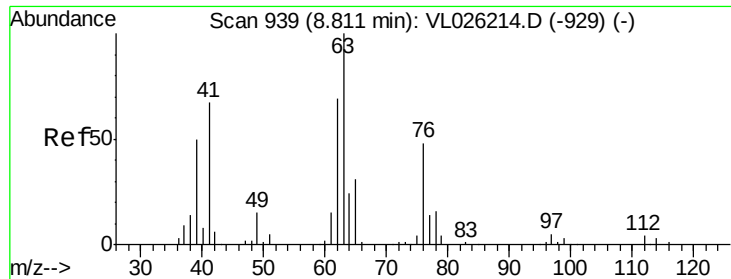
MMDadoda
 10/22/2015 4:35:44 PM



#38
 Trichloroethene
 Concen: 8.47 ppbv
 RT: 9.03 min Scan# 975
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	632408		
95	102.8		81.0	121.4
132	96.6		76.5	114.7
97	65.7		52.5	78.7





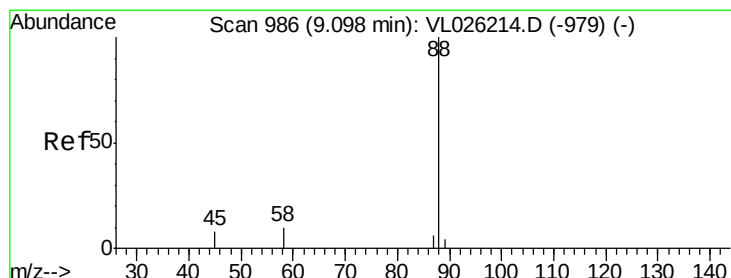
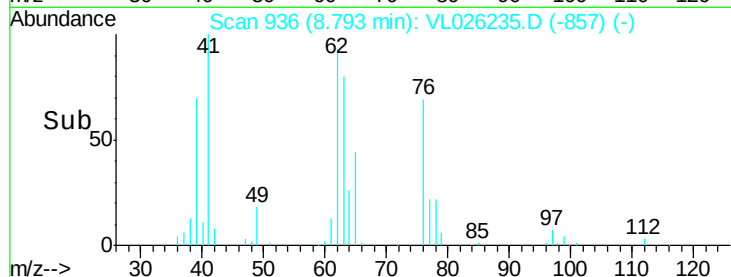
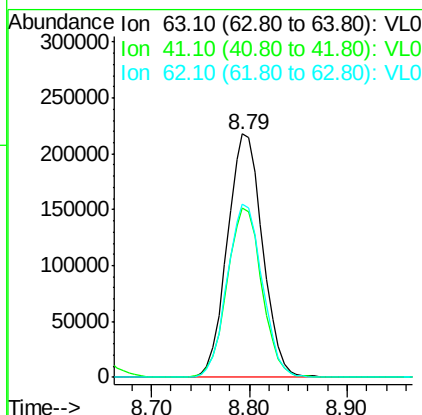
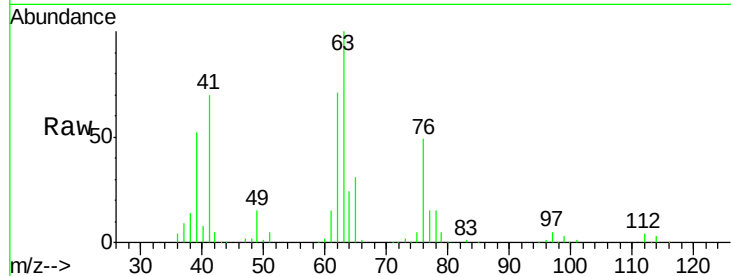
#39
 1,2-Dichloropropane
 Concen: 10.06 ppbv
 RT: 8.79 min Scan# 936
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	69.3	53.2	79.8
62	71.2	55.4	83.2

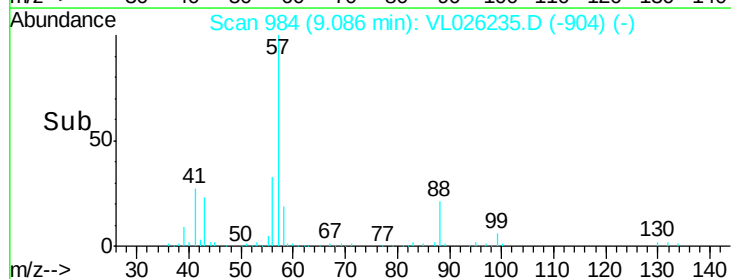
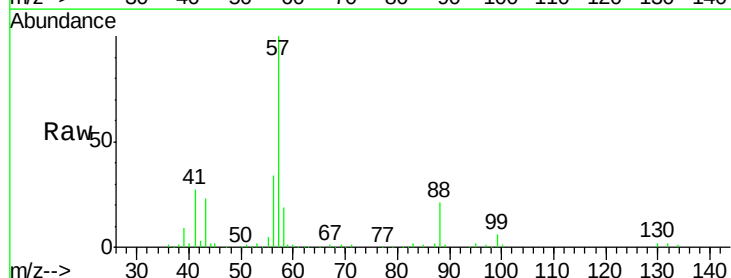
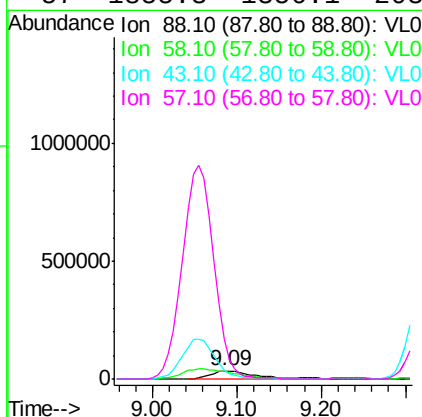
Manual Integrations
 APPROVED

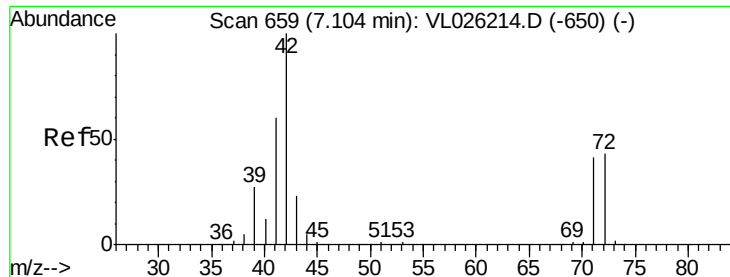
MMDadoda
 10/22/2015 4:35:44 PM



#40
 1,4-Dioxane
 Concen: 12.56 ppbv
 RT: 9.09 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	151.5	115.4	173.2
43	372.5	272.6	409.0
57	1855.3	1356.1	2034.1





#41

Tetrahydrofuran

Concen: 10.26 ppbv

RT: 7.09 min Scan# 657

Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

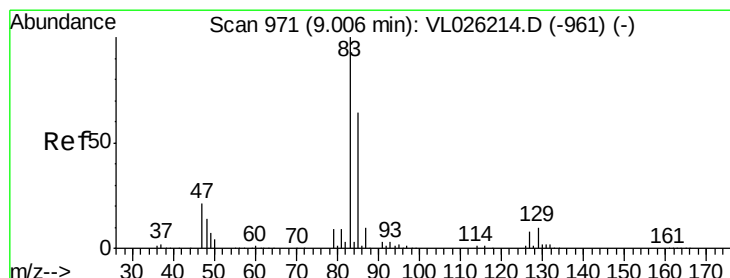
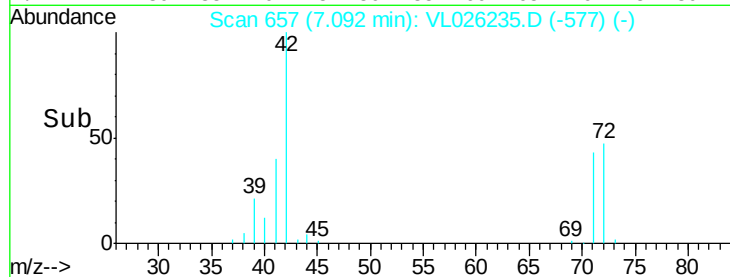
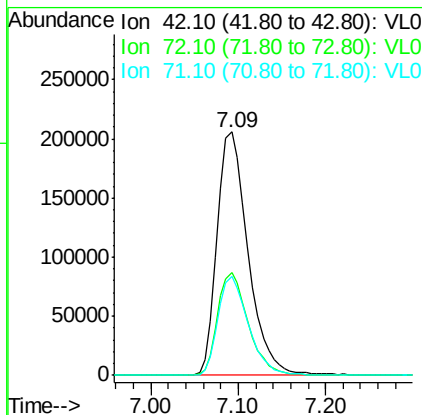
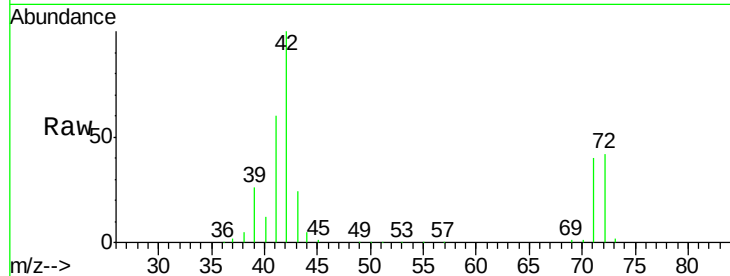
ClientSampleId :

VL1021ABS01

Tot Ion:	42	Resp:	507558
Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.3	51.5
71	40.1	32.1	48.1

Manual Integrations
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10/22/2015 4:35:44 PM



#42

Bromodichloromethane

Concen: 10.19 ppbv

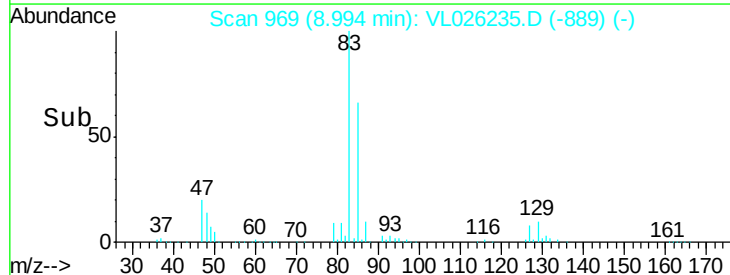
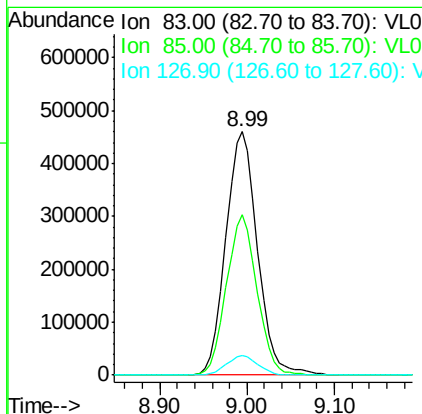
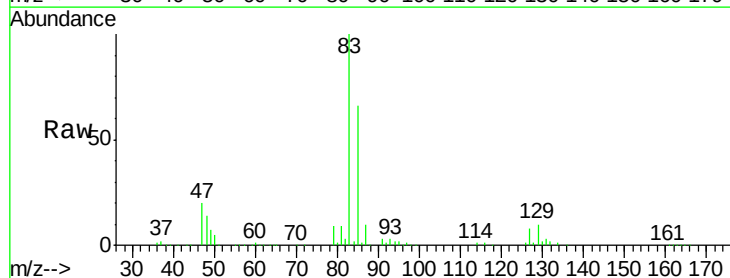
RT: 8.99 min Scan# 969

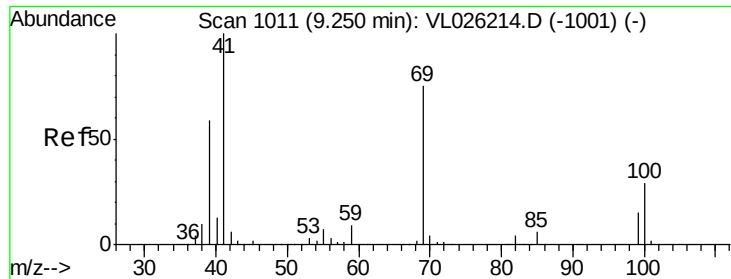
Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Tgt Ion:	83	Resp:	1159907
Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.9	76.3
127	8.2	6.2	9.4





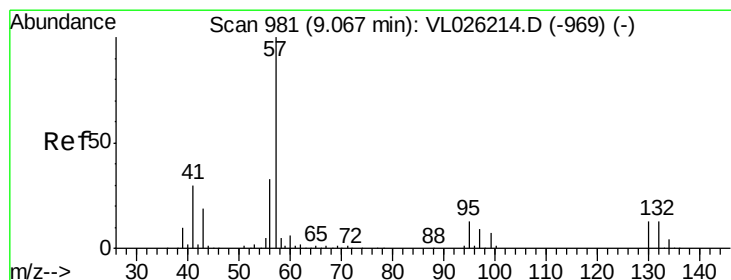
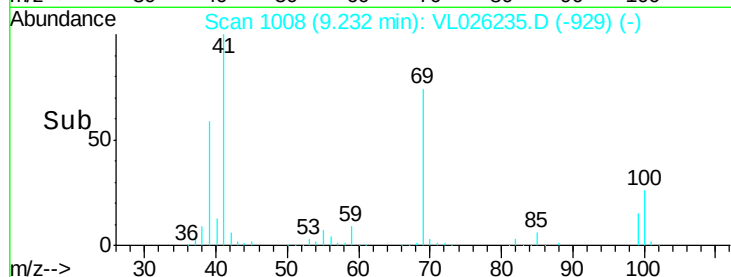
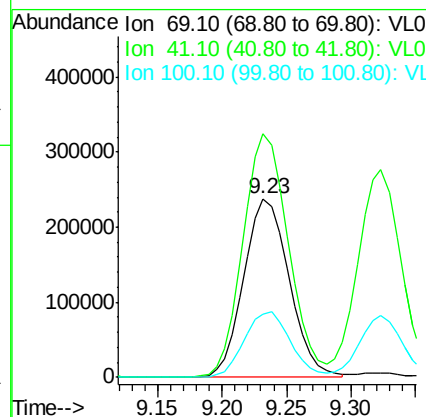
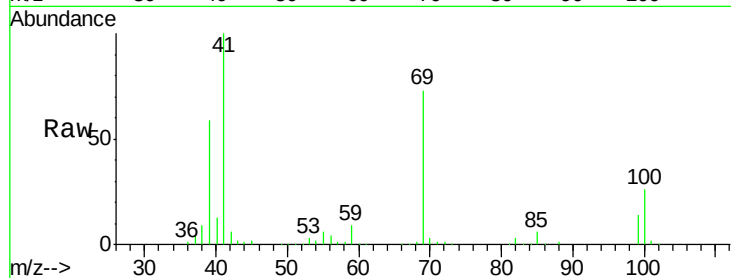
#43
Methvl Methacrylate
Concen: 10.43 ppbv
RT: 9.23 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	136.9	108.4	162.6
100	37.6	30.6	45.8

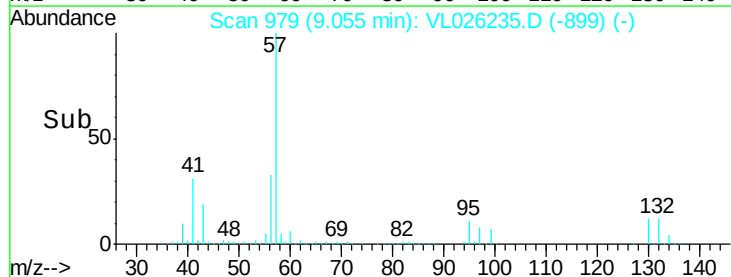
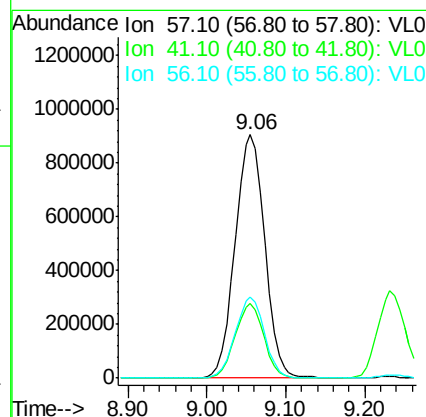
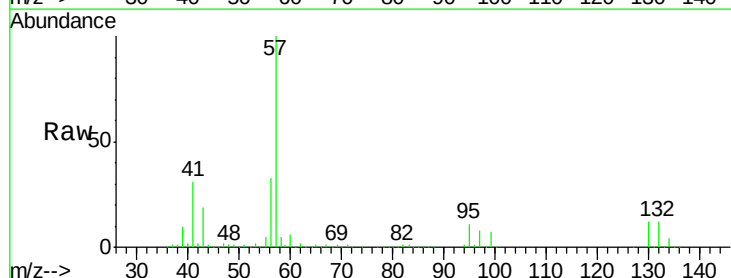
Manual Integrations
APPROVED

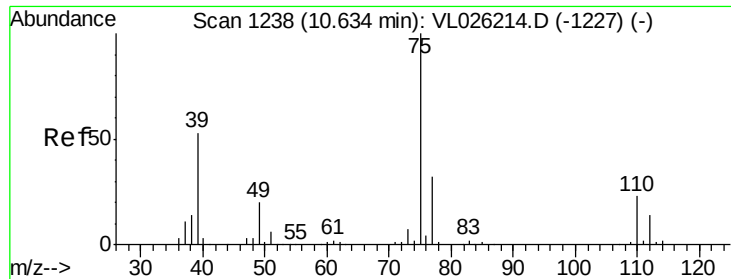
MMDadoda
10/22/2015 4:35:44 PM



#44
2,2,4-Trimethylpentane
Concen: 9.52 ppbv
RT: 9.06 min Scan# 979
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
57	100		
41	29.6	23.7	35.5
56	32.5	25.9	38.9





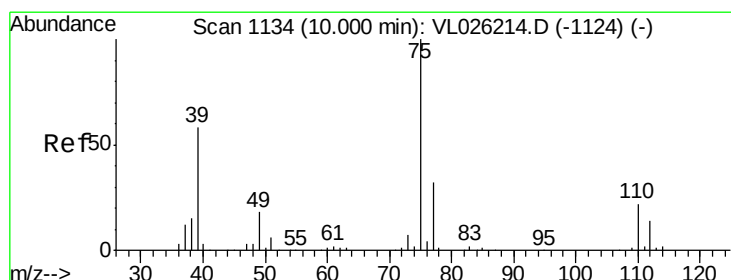
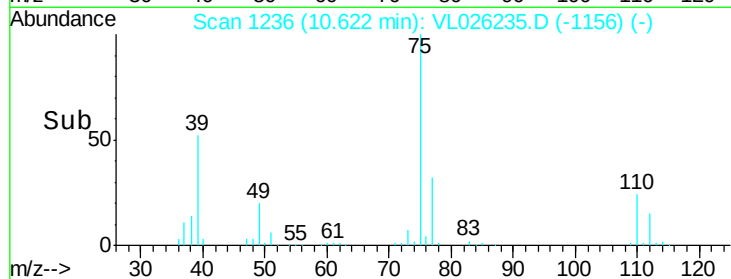
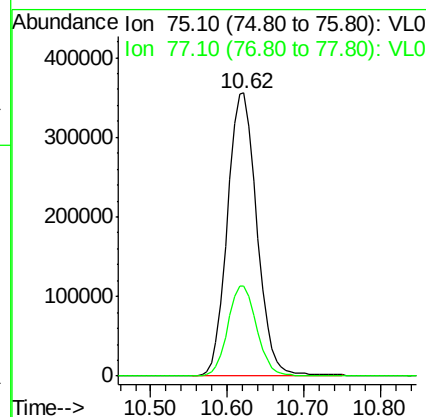
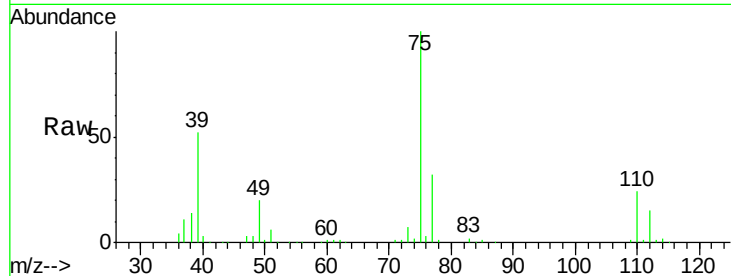
#45
t-1,3-Dichloropropene
Concen: 10.87 ppbv
RT: 10.62 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tot Ion: 75 Resp: 950701
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8

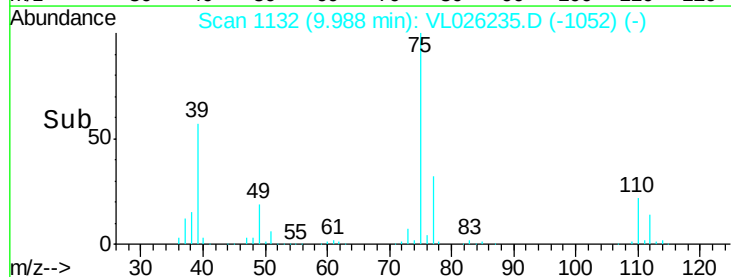
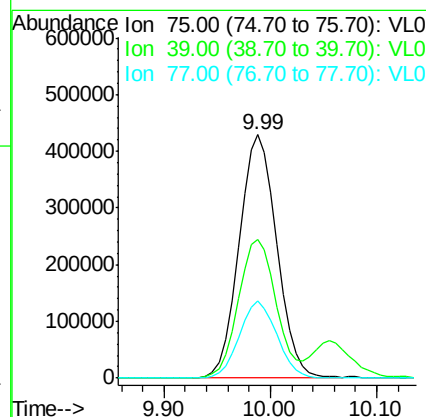
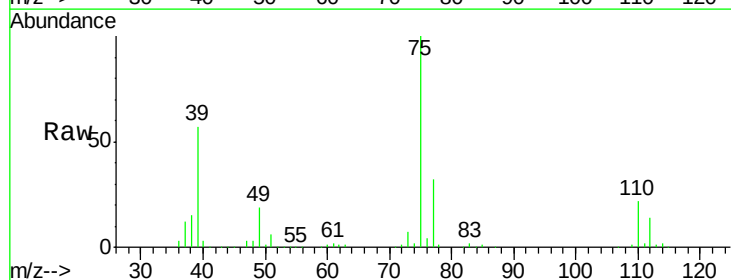
Manual Integrations
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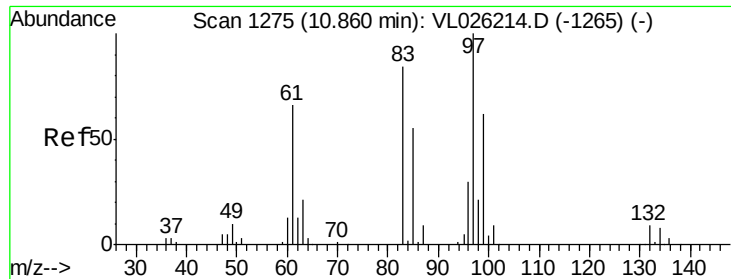
MMDadoda
10/22/2015 4:35:44 PM



#46
cis-1,3-Dichloropropene
Concen: 10.43 ppbv
RT: 9.99 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 75 Resp: 1067621
Ion Ratio Lower Upper
75 100
39 57.2 46.2 69.4
77 31.5 25.4 38.0





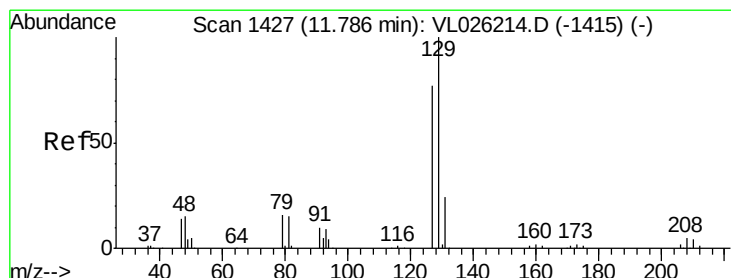
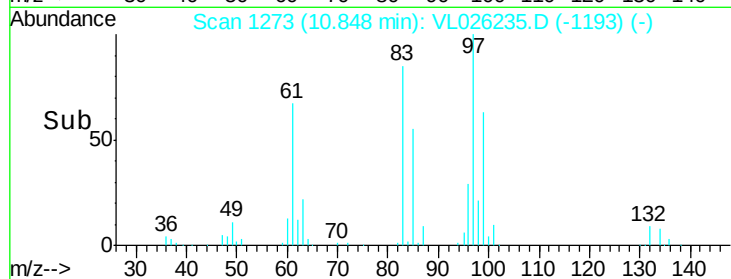
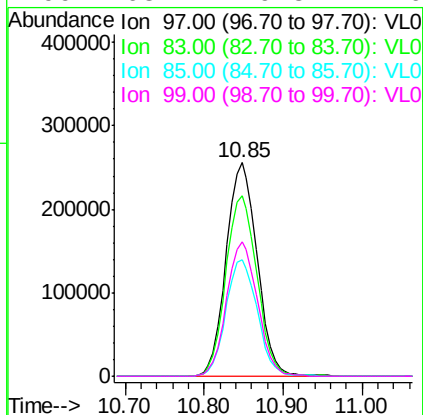
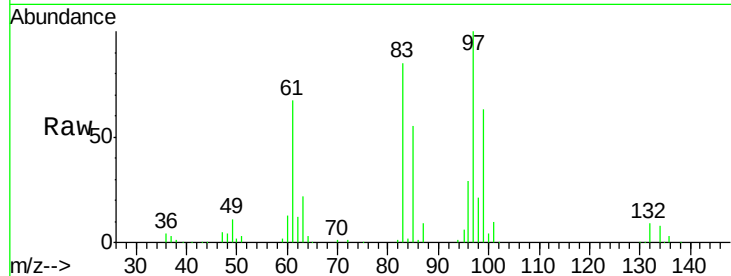
#47
 1,1,2-Trichloroethane
 Concen: 10.31 ppbv
 RT: 10.85 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion:	97	Resp:	701480
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.4	101.2
85	54.6	43.8	65.6
99	63.1	49.8	74.6

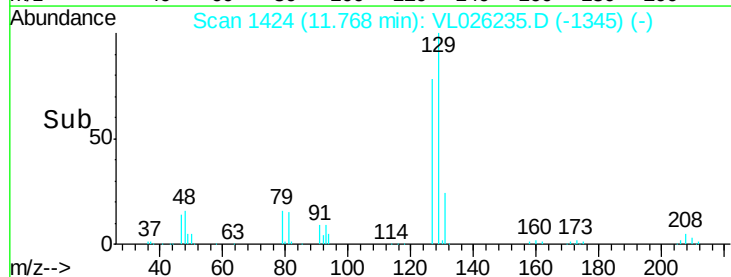
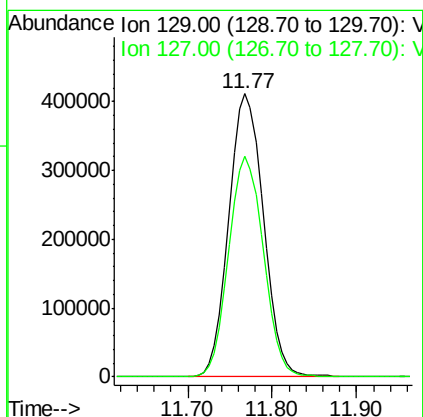
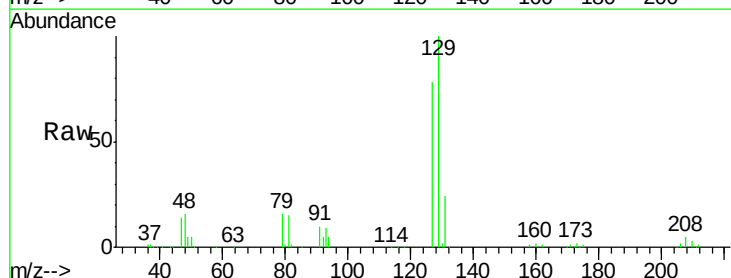
Manual Integrations
 APPROVED

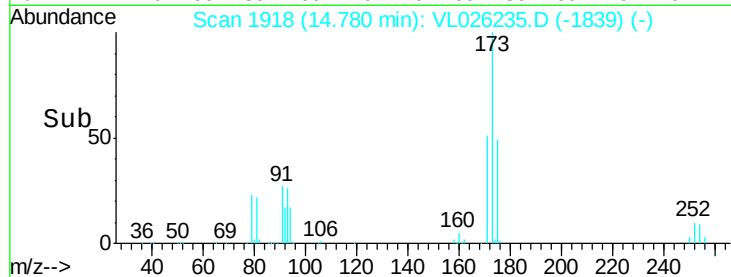
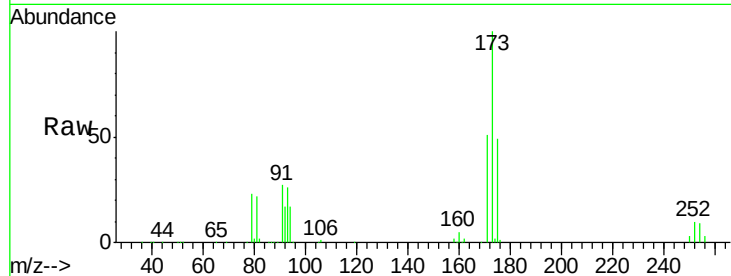
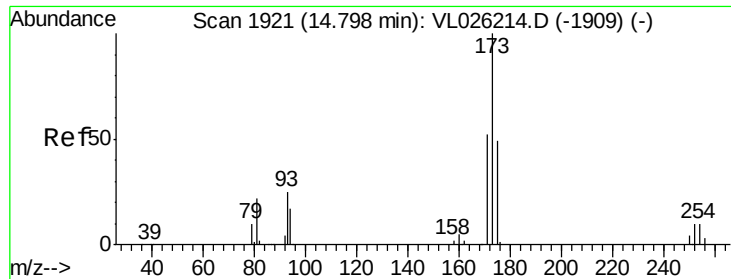
MMDadoda
 10/22/2015 4:35:44 PM



#48
 Dibromochloromethane
 Concen: 10.40 ppbv
 RT: 11.77 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Tgt Ion:	129	Resp:	1153505
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.5





#49

Bromoform

Concen: 10.25 ppbv

RT: 14.78 min Scan# 1918

Delta R.T. -0.02 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Tot Ion:	173	Resp:	959568
Ion Ratio	Lower	Upper	
173	100		
175	48.8	38.7	58.1
171	51.6	41.6	62.4

Instrument :

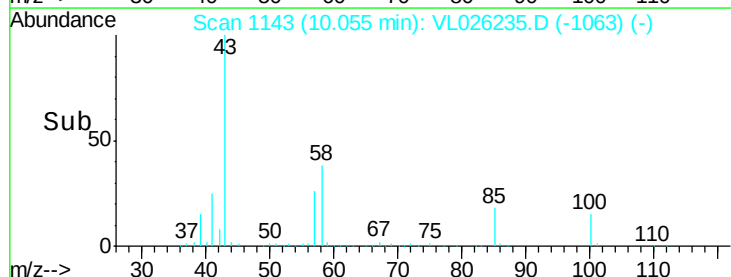
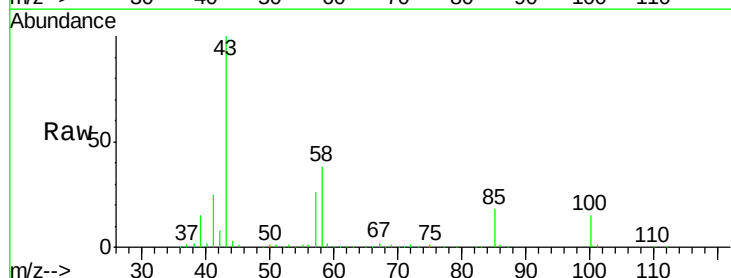
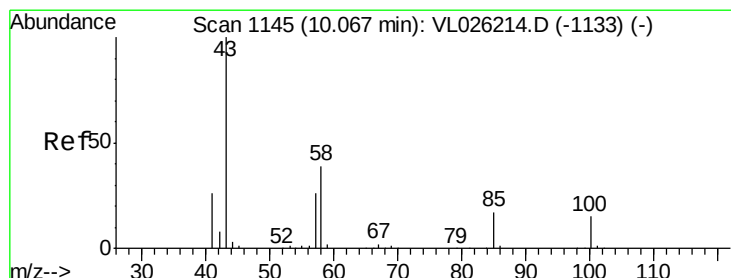
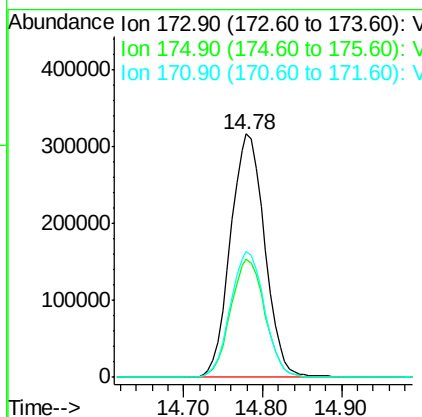
MSVOA_L

ClientSampleId :

VL1021ABS01

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#50

4-Methyl-2-Pentanone

Concen: 10.51 ppbv

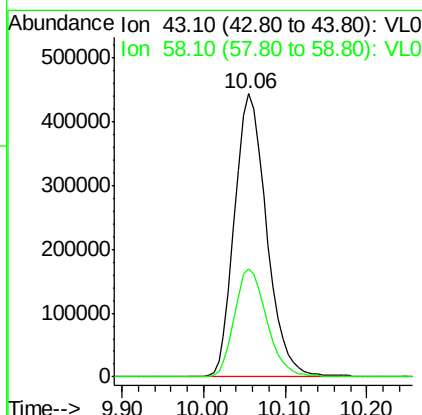
RT: 10.06 min Scan# 1143

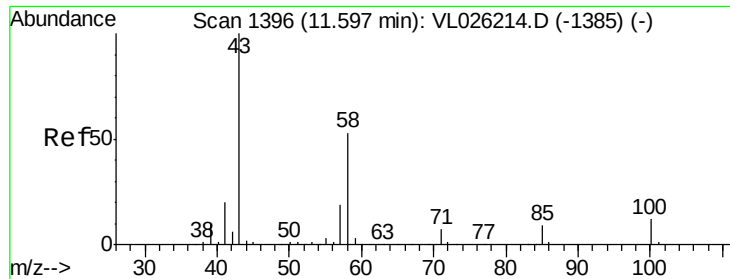
Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Tgt Ion:	43	Resp:	1212169
Ion Ratio	Lower	Upper	
43	100		
58	38.6	31.1	46.7





#51

2-Hexanone

Concen: 10.94 ppbv

RT: 11.58 min Scan# 1393

Delta R.T. -0.02 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS01

Tot Ion: 43 Resp: 1178771

Ion Ratio Lower Upper

43 100

58 53.6 43.2 64.8

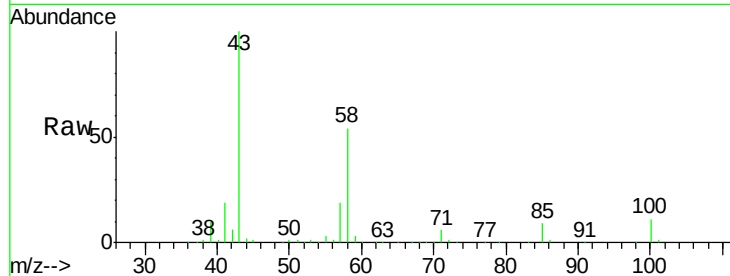
98 0.0 0.0 0.0

Manual Integrations

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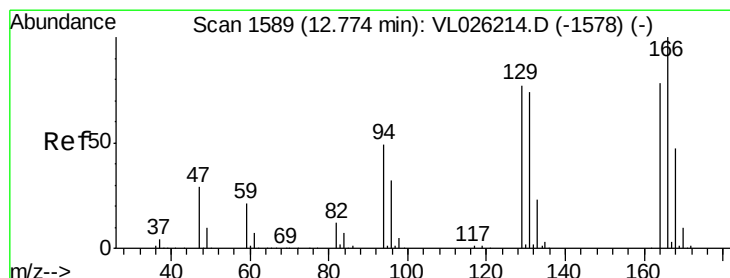
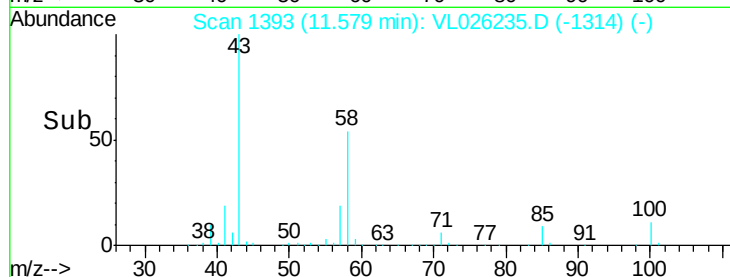
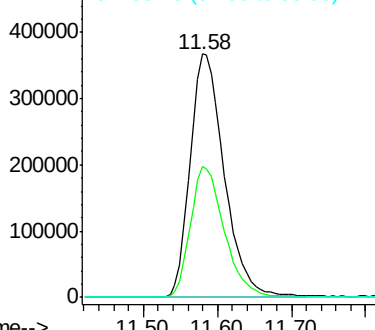


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.20 ppbv

RT: 12.76 min Scan# 1587

Delta R.T. -0.01 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Tgt Ion: 164 Resp: 723786

Ion Ratio Lower Upper

164 100

166 127.7 102.3 153.5

129 97.7 78.2 117.4

131 94.0 75.7 113.5

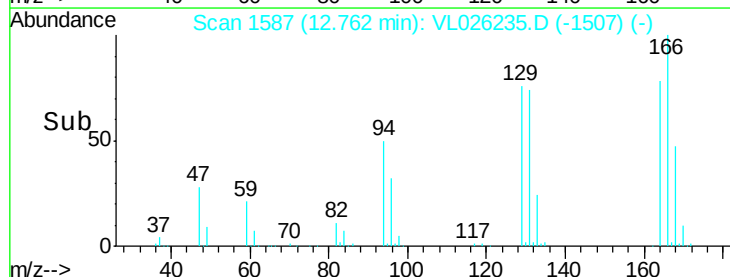
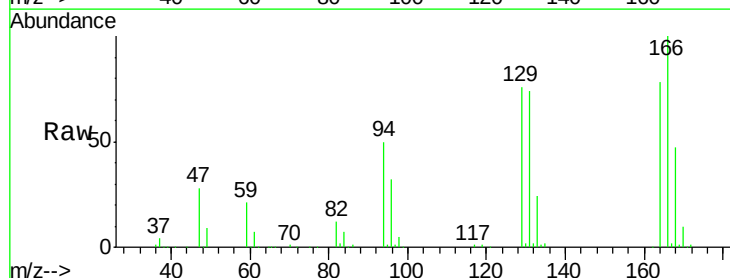
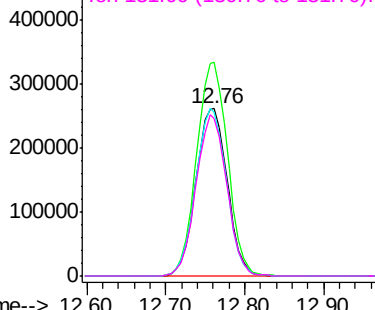
Abundance

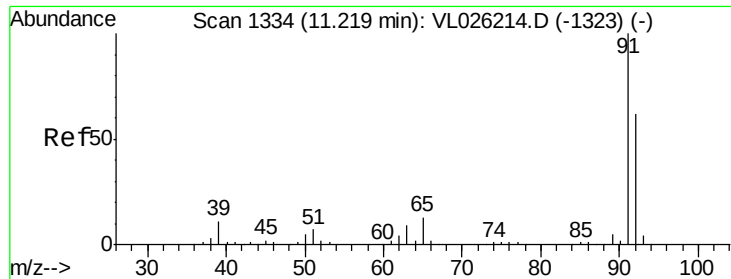
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.01 ppbv

RT: 11.20 min Scan# 1331

Delta R.T. -0.02 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS01

Tot Ion: 91 Resp: 2096177

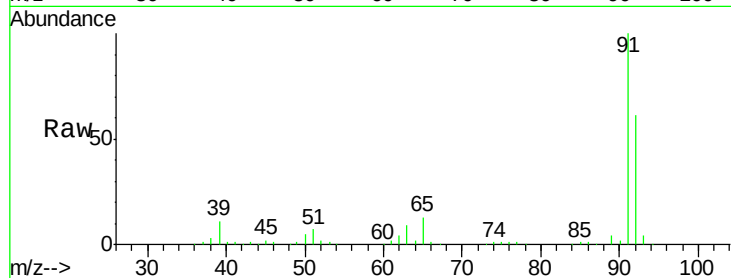
Ion Ratio Lower Upper

91 100

92 61.4 49.2 73.8

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

11.20

800000

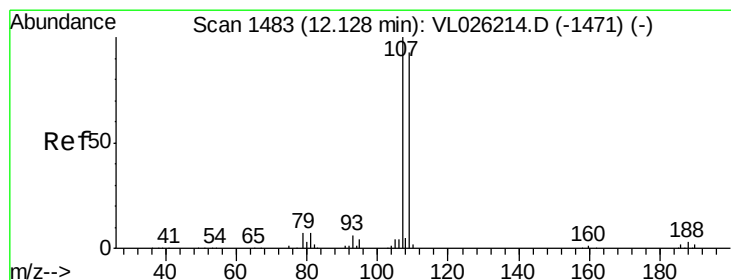
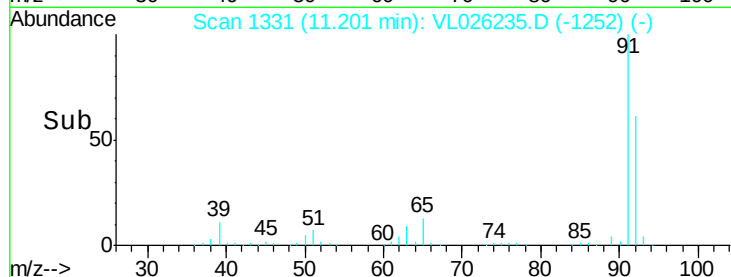
600000

400000

200000

0

Time-->



#54

1,2-Dibromoethane

Concen: 10.36 ppbv

RT: 12.11 min Scan# 1480

Delta R.T. -0.02 min

Lab File: VL026235.D

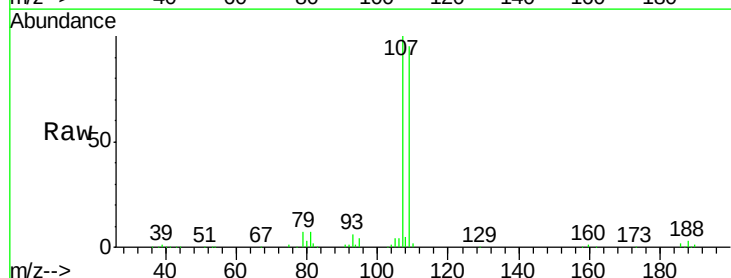
Acq: 21 Oct 2015 12:08

Tgt Ion: 107 Resp: 1090507

Ion Ratio Lower Upper

107 100

109 95.3 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

12.11

400000

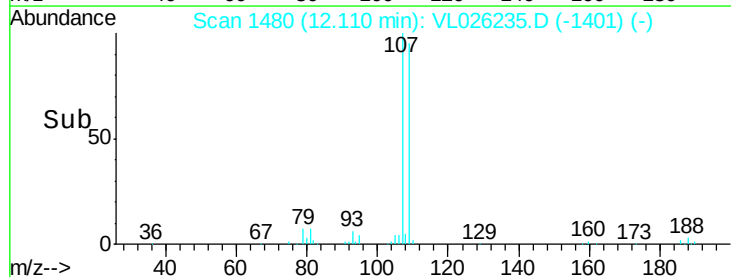
300000

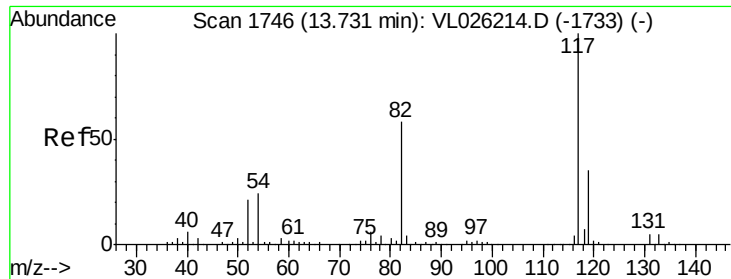
200000

100000

0

Time-->





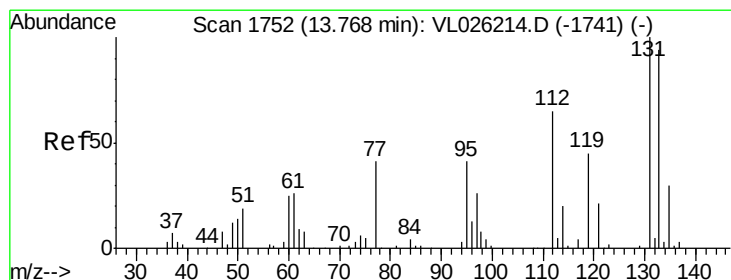
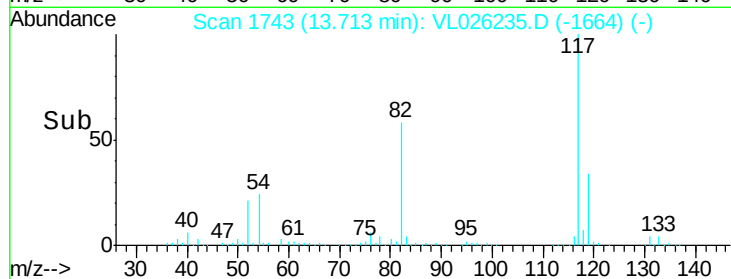
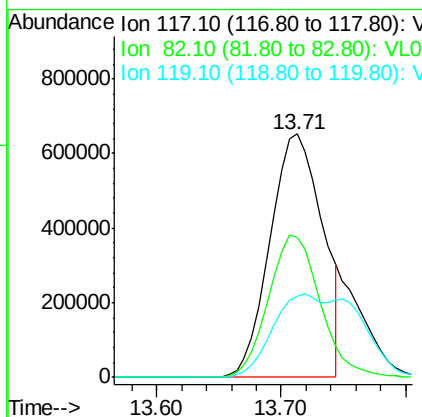
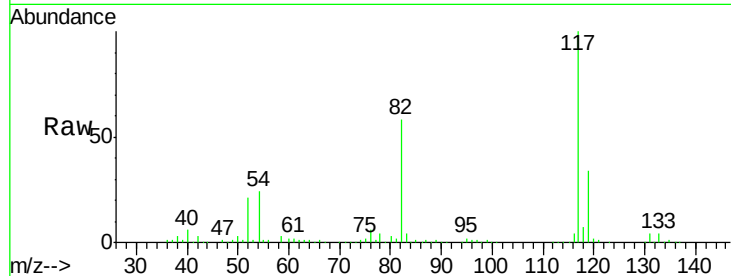
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.71 min Scan# 1743
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tot Ion:117 Resp: 1898023
Ion Ratio Lower Upper
117 100
82 58.3 45.8 68.8
119 58.1 45.0 67.4

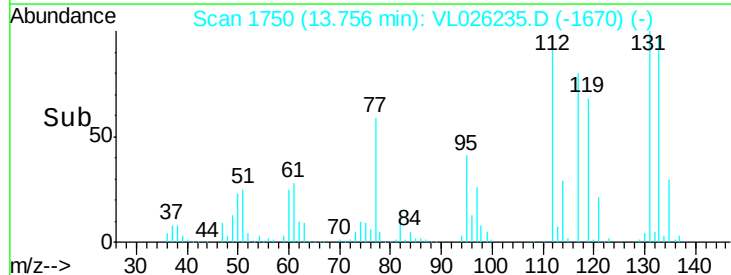
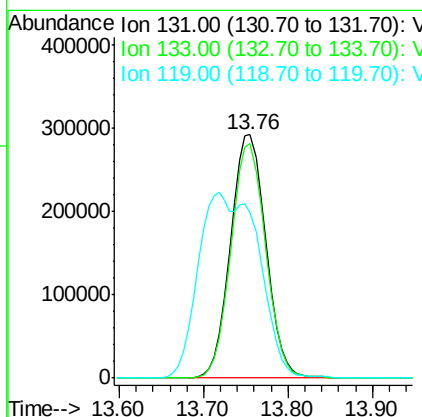
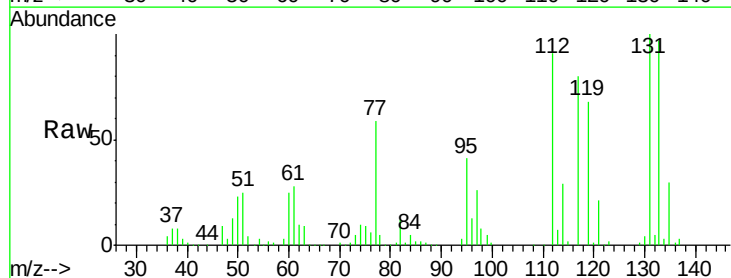
Manual Integrations
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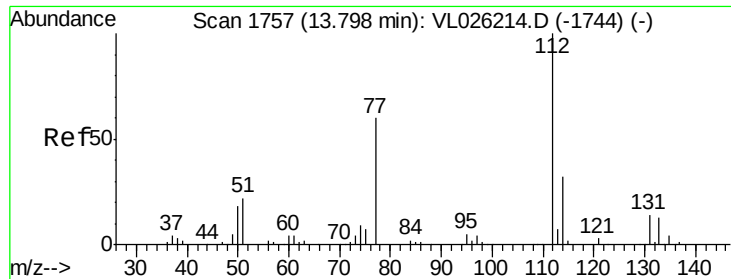
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.15 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:131 Resp: 833024
Ion Ratio Lower Upper
131 100
133 95.3 75.9 113.9
119 132.3 108.0 162.0





#57

Chlorobenzene

Concen: 9.57 ppbv

RT: 13.78 min Scan# 1754

Delta R.T. -0.02 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS01

Tot Ion: 112 Resp: 1738745

Ion Ratio Lower Upper

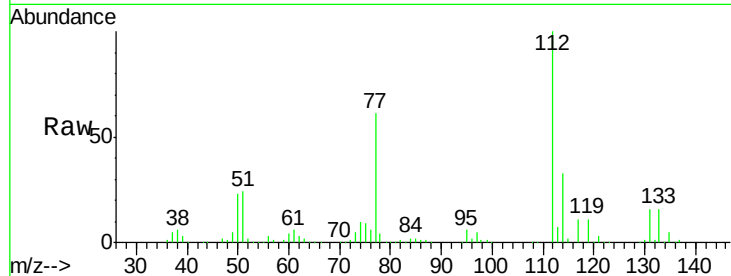
112 100

77 61.1 48.4 72.6

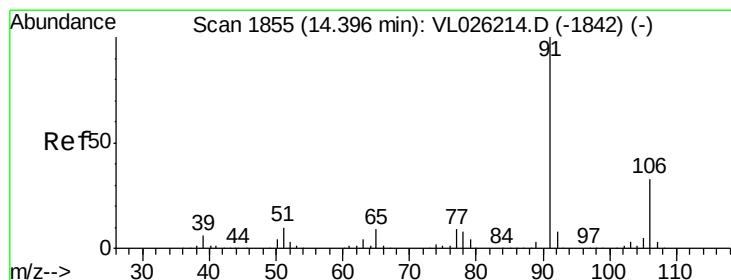
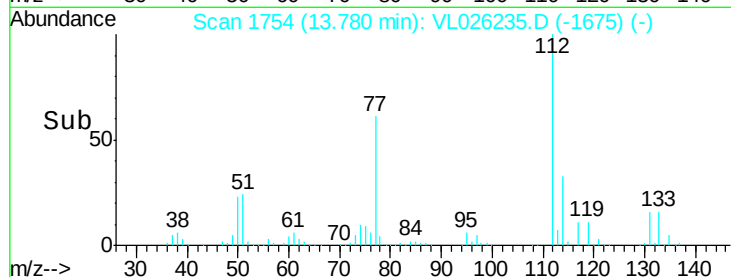
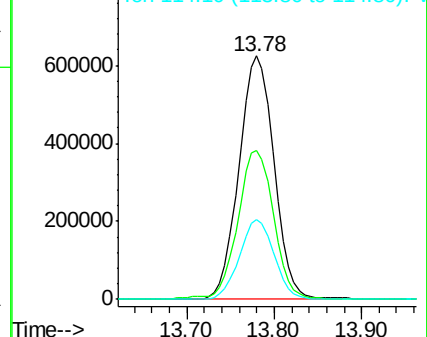
114 32.6 29.0 35.4

Manual Integrations
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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: 9.78 ppbv

RT: 14.38 min Scan# 1852

Delta R.T. -0.02 min

Lab File: VL026235.D

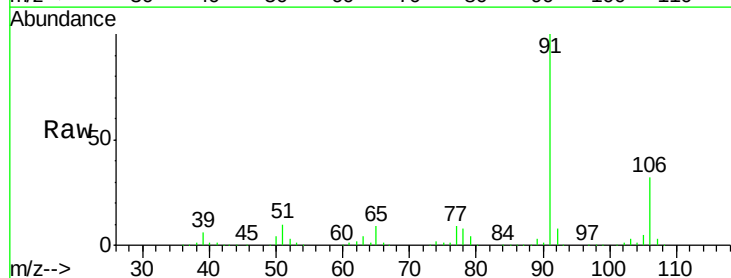
Acq: 21 Oct 2015 12:08

Tgt Ion: 91 Resp: 3007759

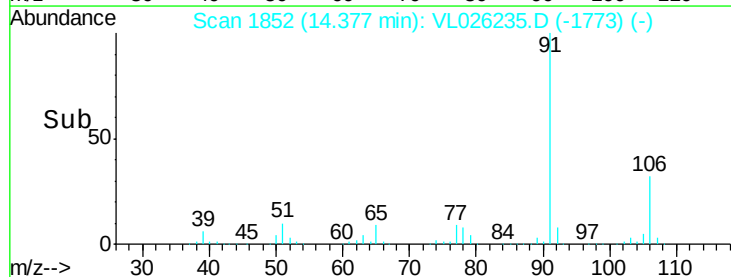
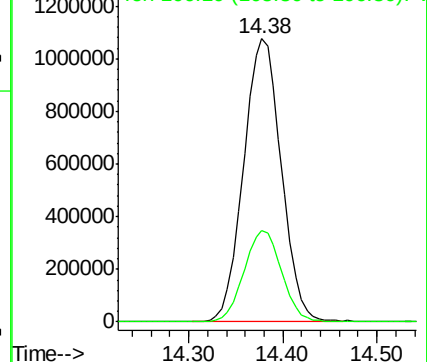
Ion Ratio Lower Upper

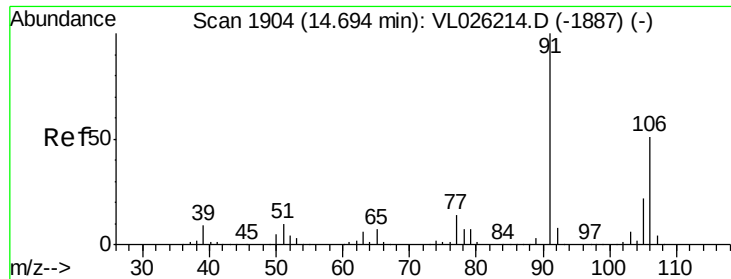
91 100

106 32.2 26.1 39.1



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





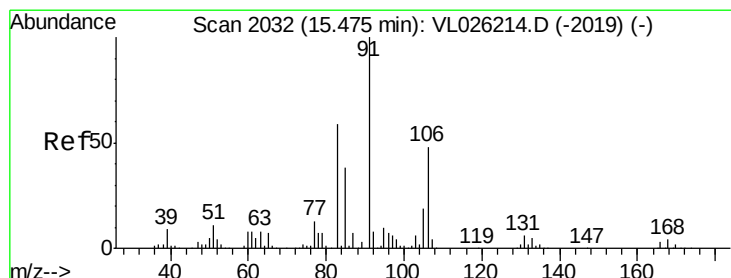
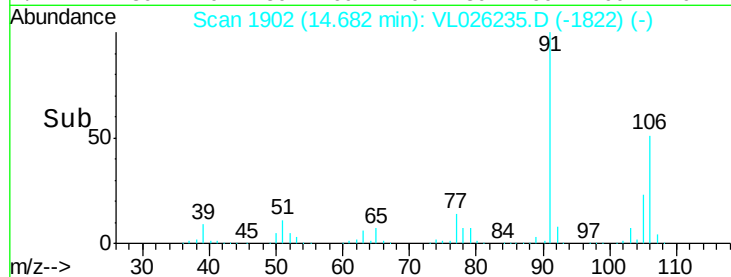
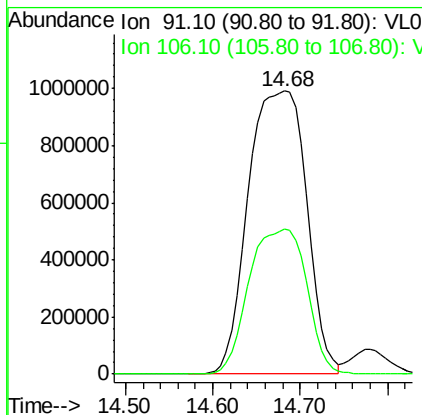
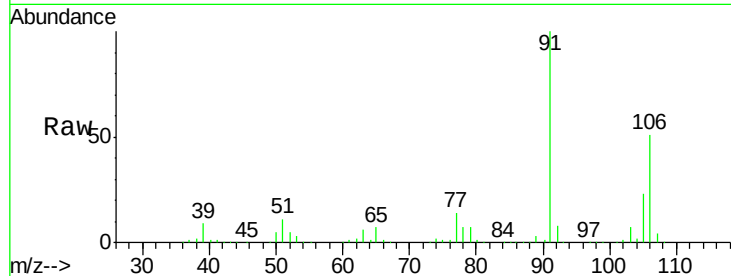
#59
m/p-Xylene
Concen: 19.04 ppbv
RT: 14.68 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tot Ion: 91 Resp: 4585360
Ion Ratio Lower Upper
91 100
106 50.9 40.6 61.0

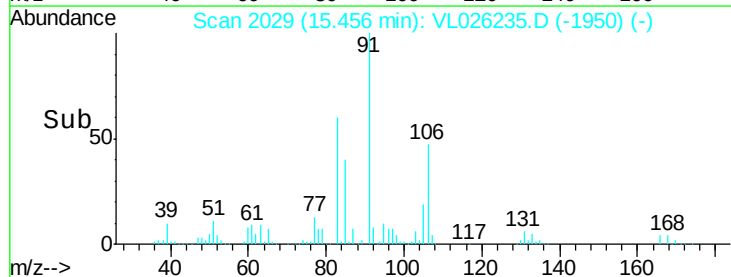
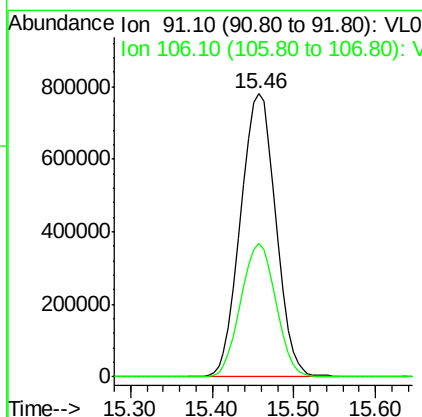
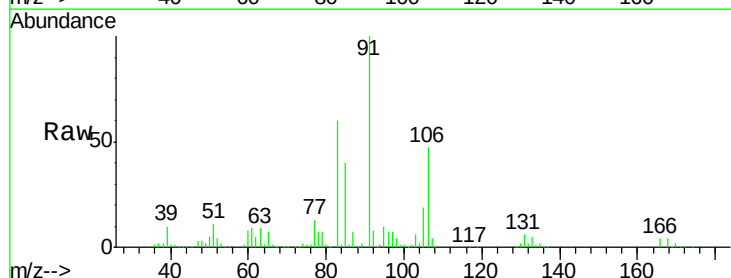
Manual Integrations
APPROVED

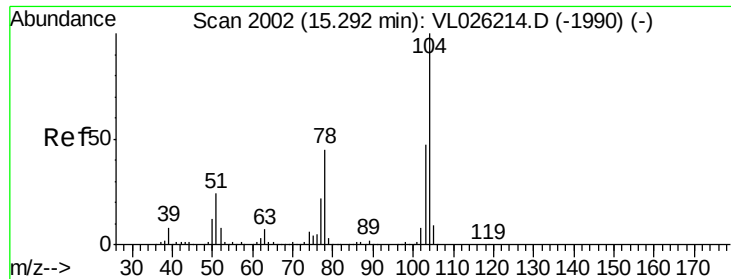
MMDadoda
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#60
o-Xylene
Concen: 9.34 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 91 Resp: 2352519
Ion Ratio Lower Upper
91 100
106 47.2 23.8 71.5





#61

Stvrene

Concen: 10.44 ppbv

RT: 15.27 min Scan# 1999

Delta R.T. -0.02 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS01

Tot Ion:104 Resp: 1188756

Ion Ratio Lower Upper

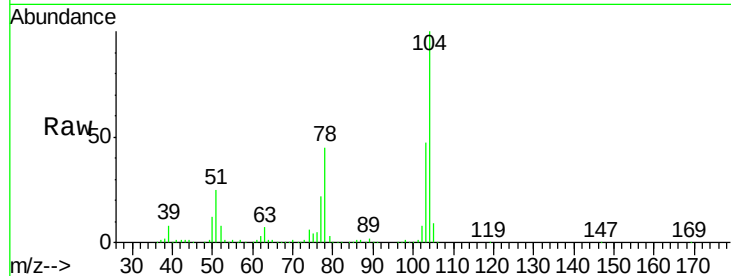
104 100

78 44.7 35.3 52.9

103 46.4 37.0 55.4

Manual Integrations
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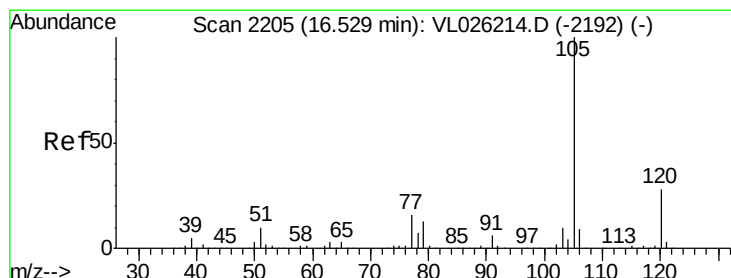
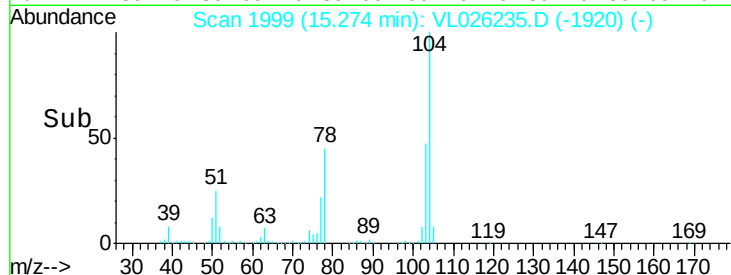
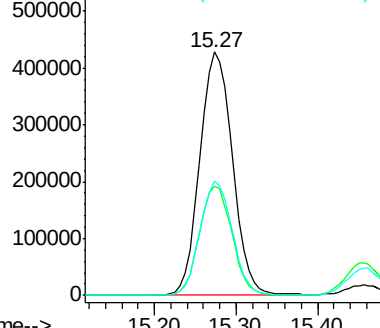
MMDadoda
10/22/2015 4:35:44 PM



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: 9.61 ppbv

RT: 16.51 min Scan# 2202

Delta R.T. -0.02 min

Lab File: VL026235.D

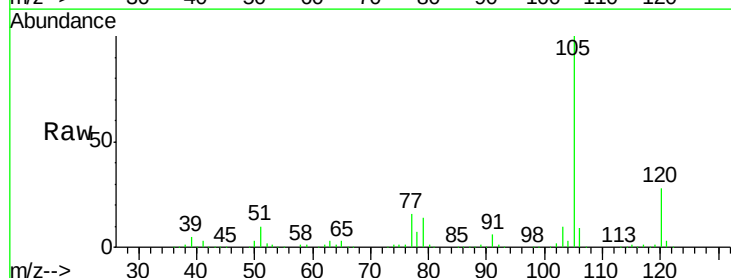
Acq: 21 Oct 2015 12:08

Tgt Ion:105 Resp: 3367024

Ion Ratio Lower Upper

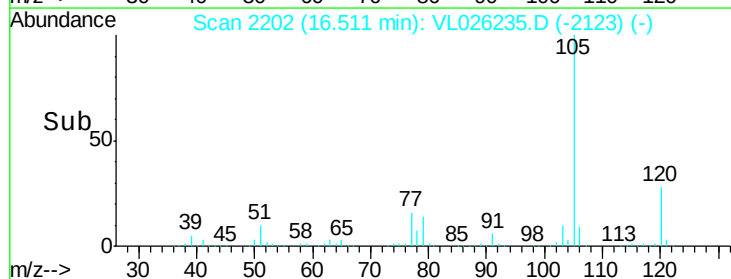
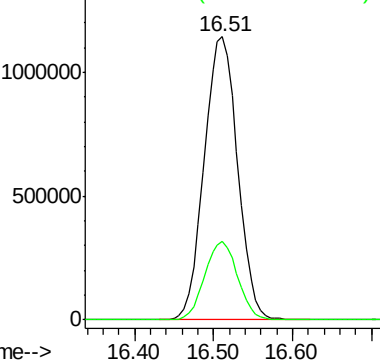
105 100

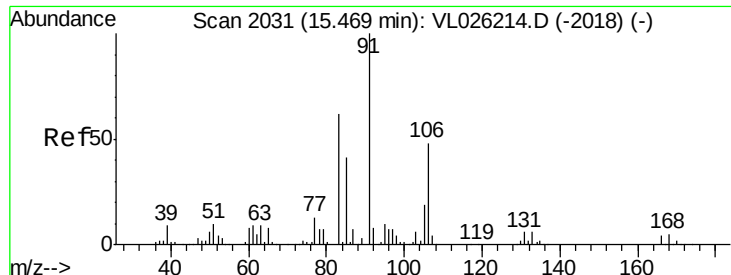
120 27.2 21.8 32.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





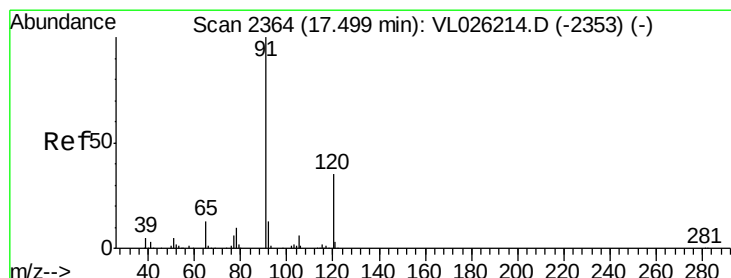
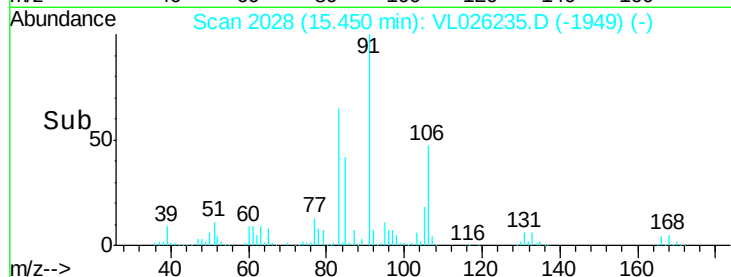
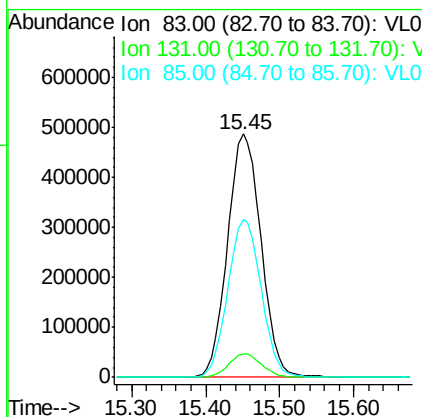
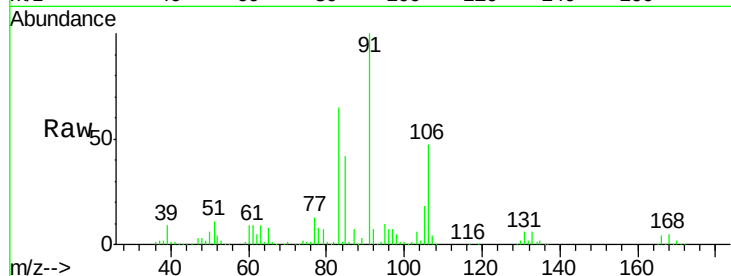
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.23 ppbv
 RT: 15.45 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion: 83 Resp: 1537072
 Ion Ratio Lower Upper
 83 100
 131 9.6 5.0 14.9
 85 64.8 32.3 96.9

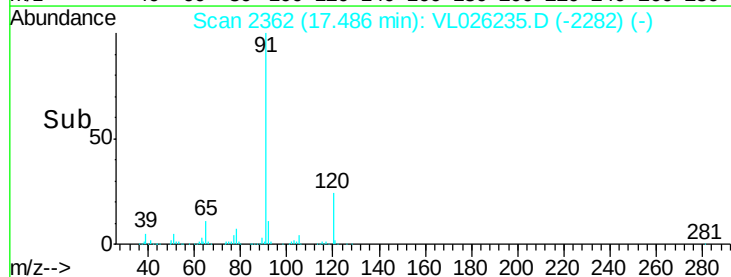
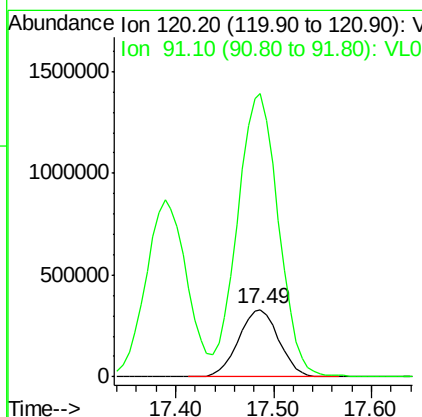
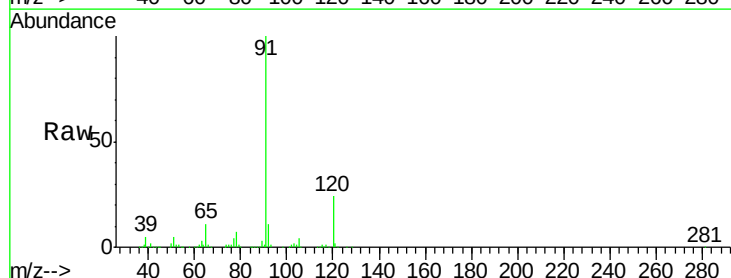
Manual Integrations
 APPROVED

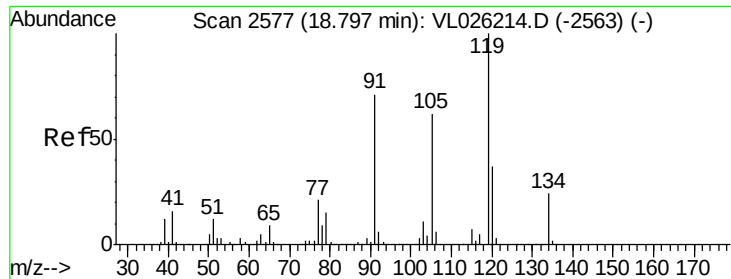
MMDadoda
 10/22/2015 4:35:44 PM



#64
 n-propylbenzene
 Concen: 9.82 ppbv
 RT: 17.49 min Scan# 2362
 Delta R.T. -0.01 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Tgt Ion: 120 Resp: 945343
 Ion Ratio Lower Upper
 120 100
 91 431.5 331.7 497.5





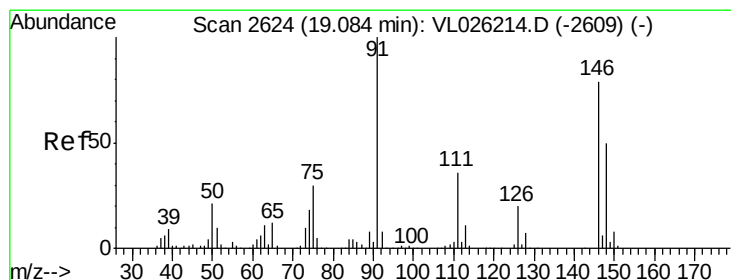
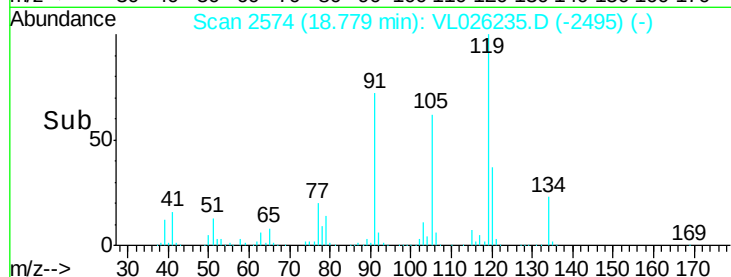
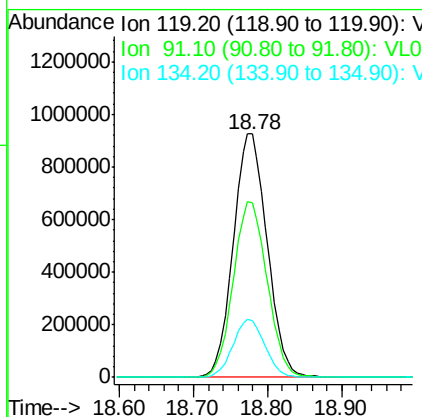
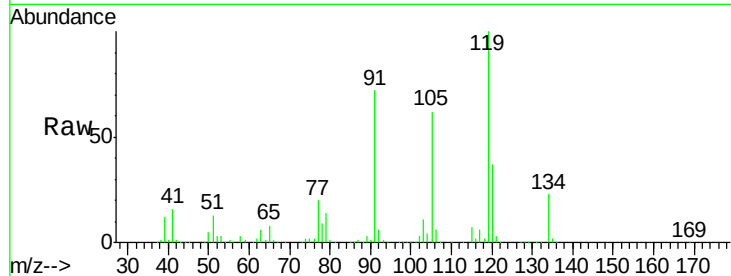
#65
 tert-Butylbenzene
 Concen: 9.23 ppbv
 RT: 18.78 min Scan# 2574
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion: 119 Resp: 2950739
 Ion Ratio Lower Upper
 119 100
 91 72.4 57.5 86.3
 134 22.5 18.1 27.1

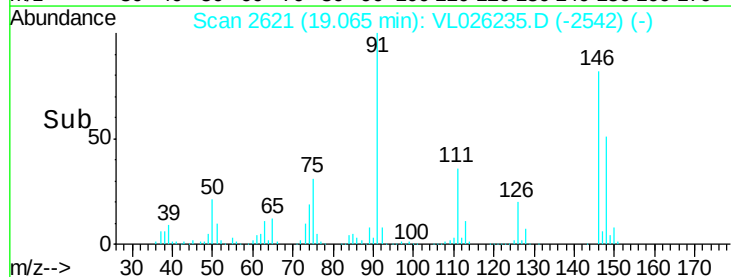
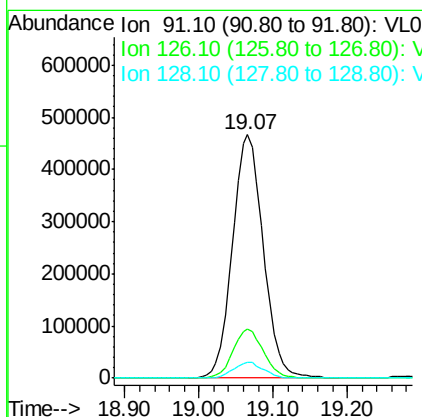
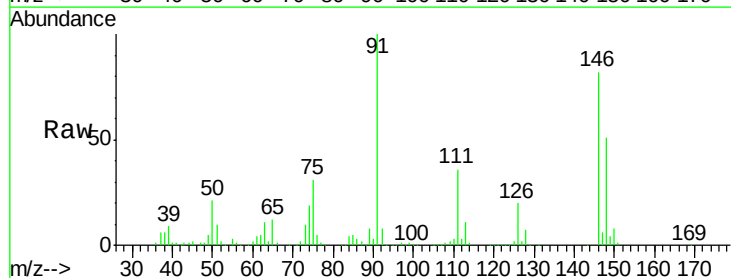
Manual Integrations
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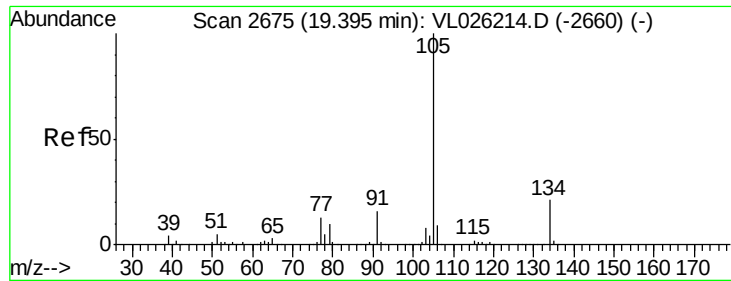
MMDadoda
 10/22/2015 4:35:44 PM



#66
 Benzyl Chloride
 Concen: 10.19 ppbv
 RT: 19.07 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Tgt Ion: 91 Resp: 1345023
 Ion Ratio Lower Upper
 91 100
 126 20.1 16.2 24.2
 128 6.4 5.1 7.7





#67

sec-Butylbenzene

Concen: 9.63 ppbv

RT: 19.37 min Scan# 2671

Delta R.T. -0.02 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS01

Tot Ion: 105 Resp: 4292954

Ion Ratio Lower Upper

105 100

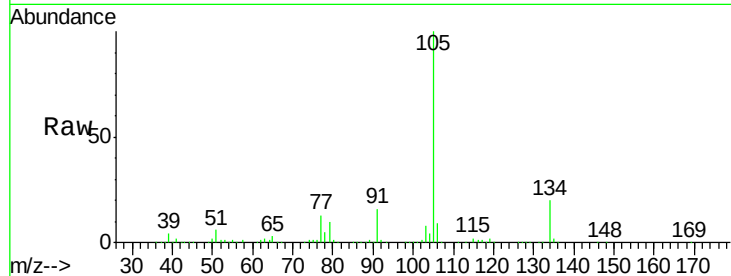
134 20.3 16.2 24.4

Manual Integrations

APPROVED

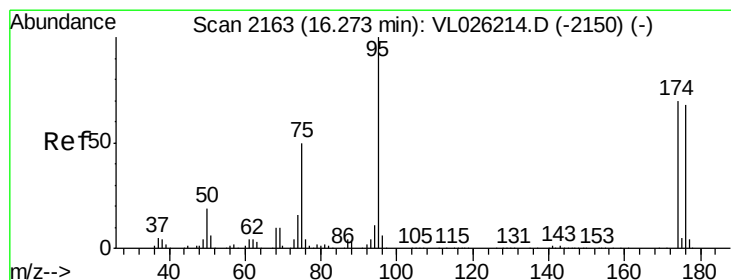
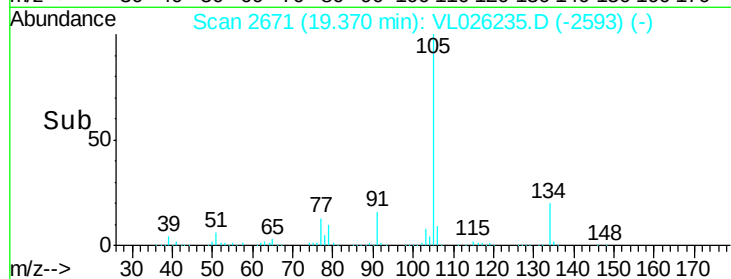
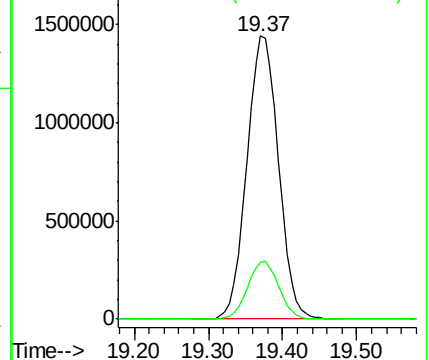
MMDadoda

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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: 10.06 ppbv

RT: 16.26 min Scan# 2160

Delta R.T. -0.02 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

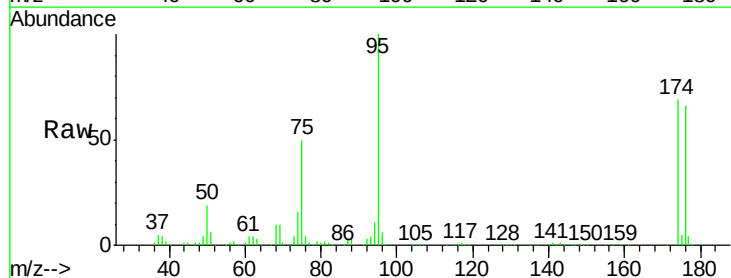
Tgt Ion: 95 Resp: 1473140

Ion Ratio Lower Upper

95 100

174 67.7 55.8 83.8

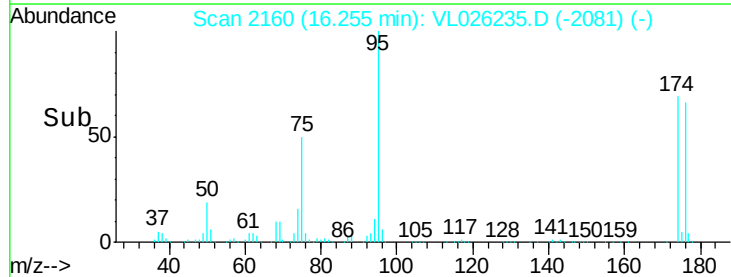
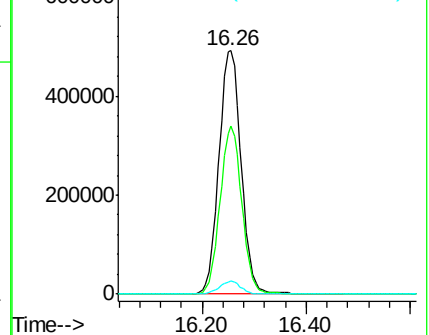
175 5.1 4.3 6.5

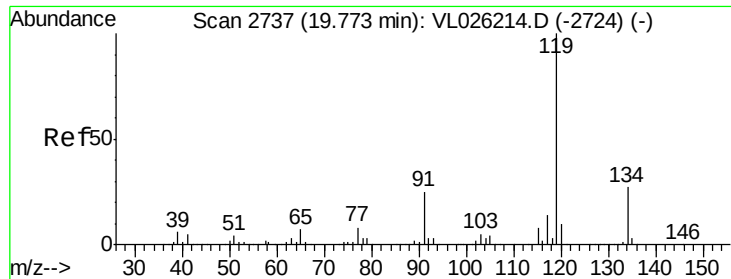


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





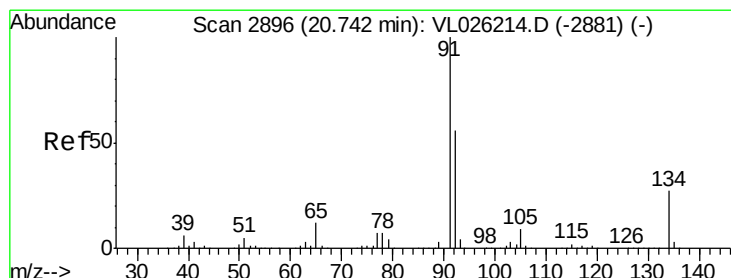
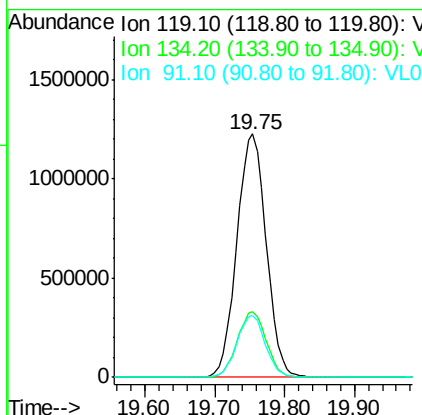
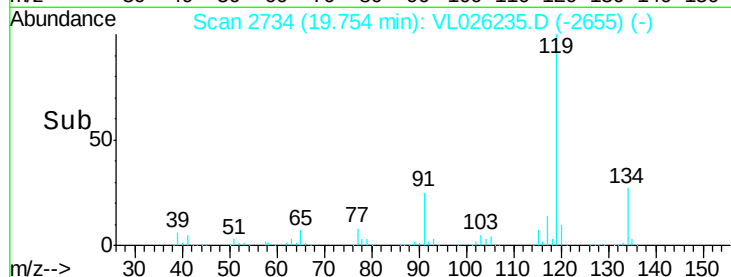
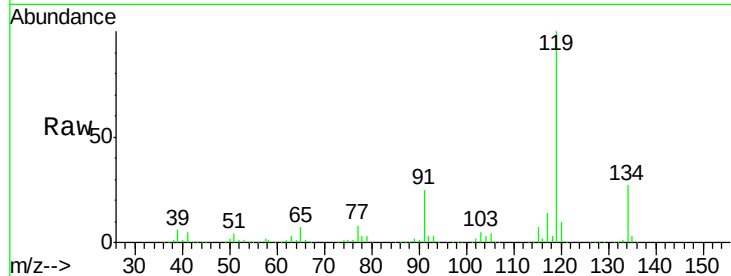
#69
 p-Isopropyltoluene
 Concen: 9.56 ppbv
 RT: 19.75 min Scan# 2734
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion: 119 Resp: 3564200
 Ion Ratio Lower Upper
 119 100
 134 26.9 21.4 32.0
 91 24.7 19.5 29.3

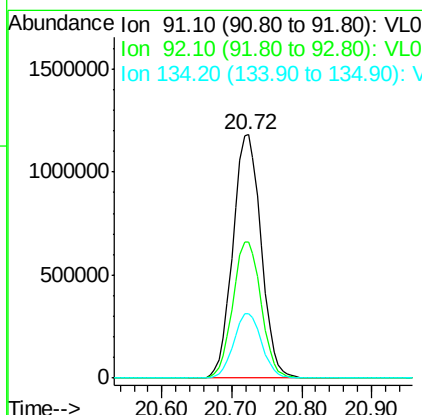
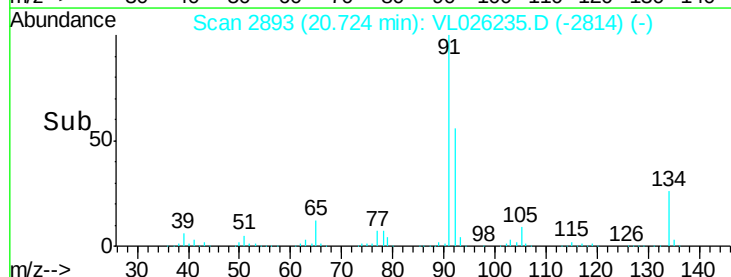
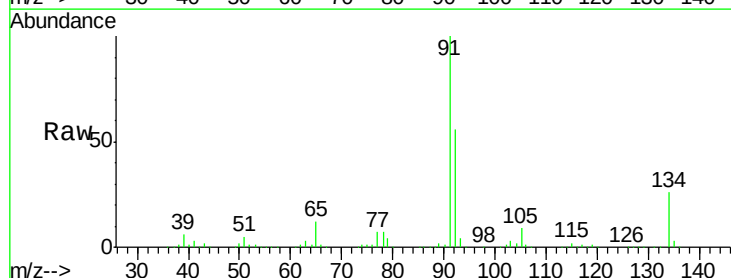
Manual Integrations
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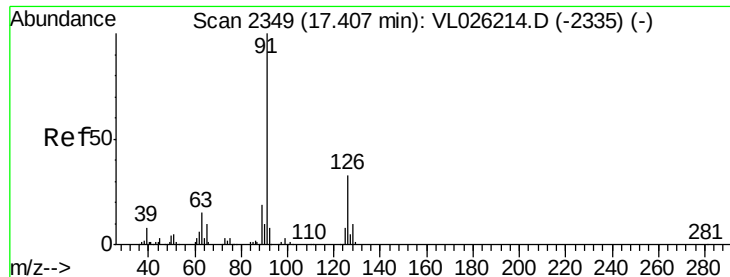
MMDadoda
 10/22/2015 4:35:44 PM



#70
 n-Butylbenzene
 Concen: 9.74 ppbv
 RT: 20.72 min Scan# 2893
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Tgt Ion: 91 Resp: 3318424
 Ion Ratio Lower Upper
 91 100
 92 56.1 45.0 67.6
 134 26.2 21.4 32.0





#71

2-Chlorotoluene

Concen: 9.88 ppbv

RT: 17.39 min Scan# 2346

Delta R.T. -0.02 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Instrument :

MSVOA_L

ClientSampleId :

VL1021ABS01

Tot Ion: 91 Resp: 2548495

Ion Ratio Lower Upper

91 100

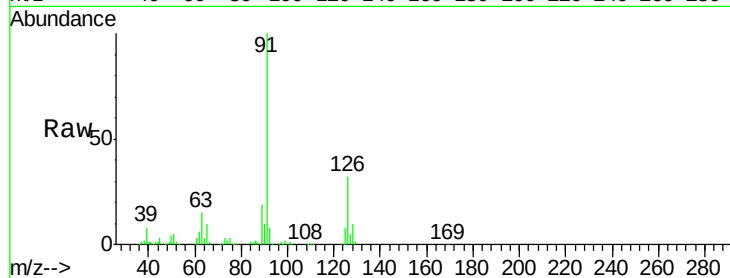
126 32.4 12.9 51.7

Manual Integrations

APPROVED

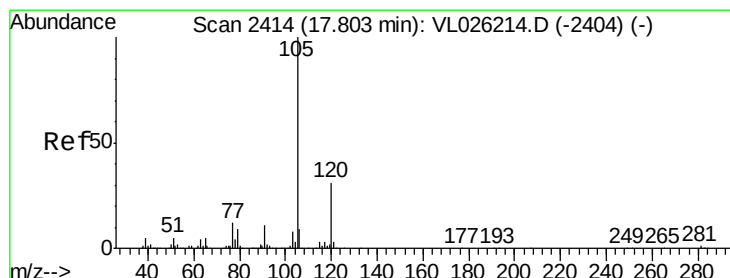
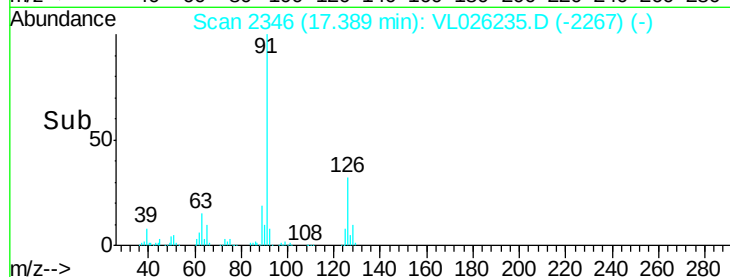
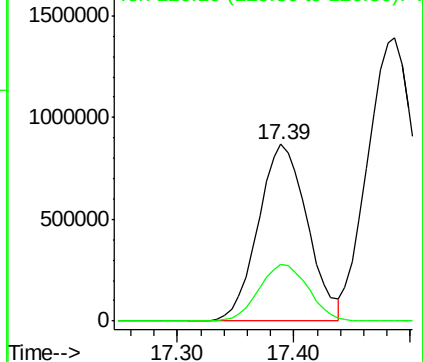
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.91 ppbv

RT: 17.79 min Scan# 2411

Delta R.T. -0.02 min

Lab File: VL026235.D

Acq: 21 Oct 2015 12:08

Tgt Ion:105 Resp: 2903238

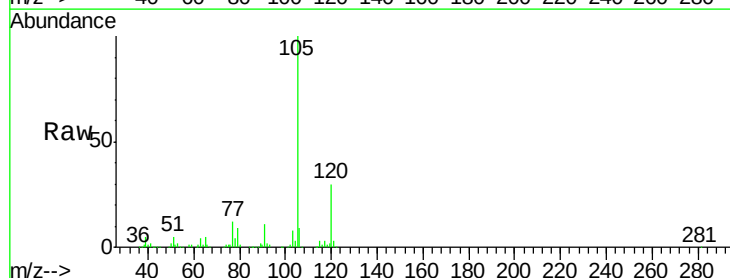
Ion Ratio Lower Upper

105 100

120 31.6 25.2 37.8

91 11.8 9.0 13.6

77 12.1 9.7 14.5

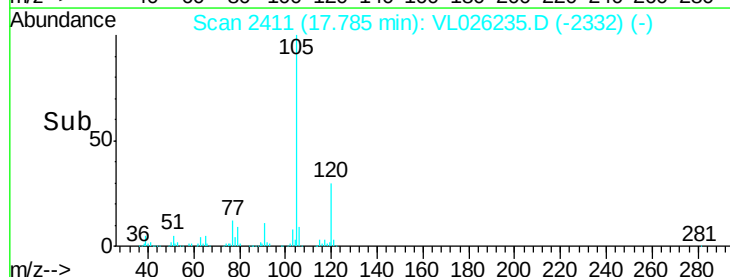
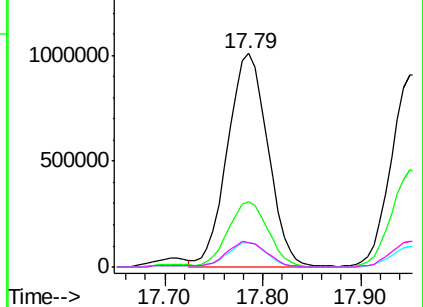


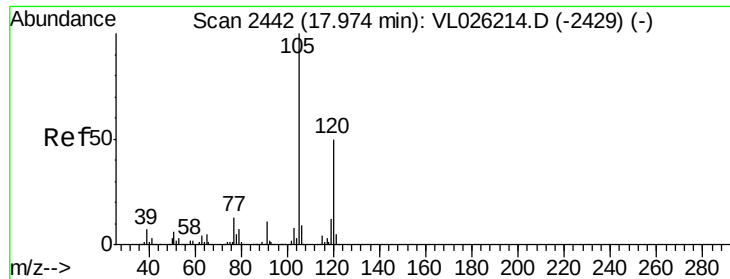
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





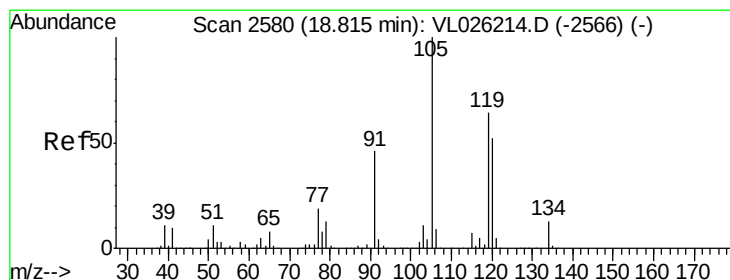
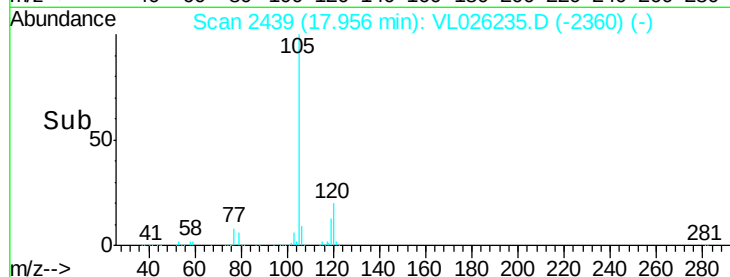
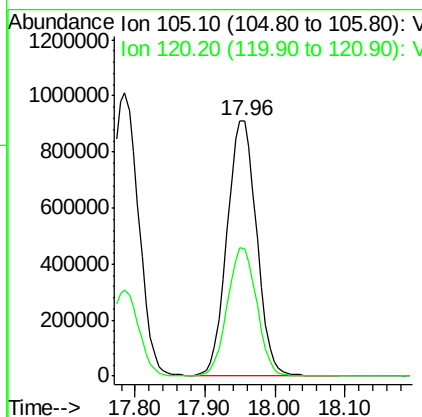
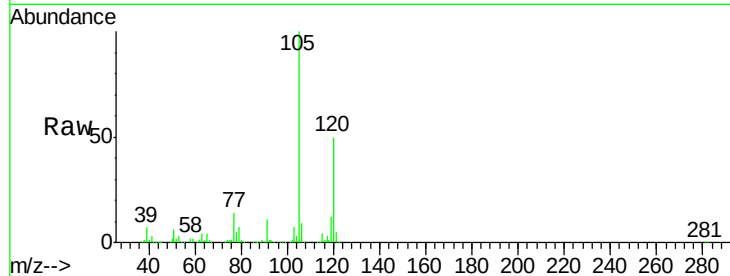
#73
 1,3,5-Trimethylbenzene
 Concen: 9.81 ppbv
 RT: 17.96 min Scan# 2439
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion:105 Resp: 2677456
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.8 59.6

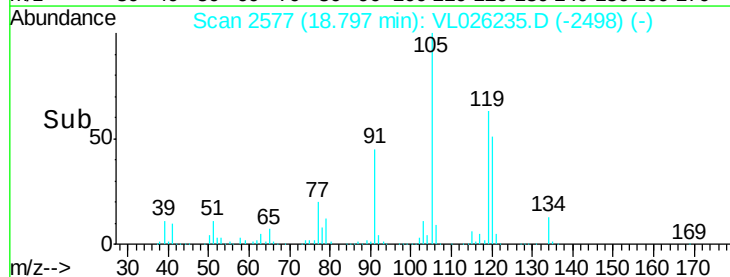
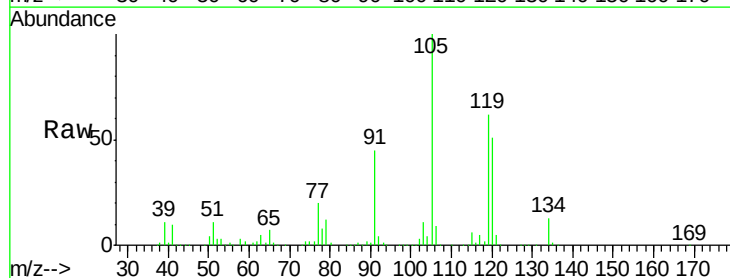
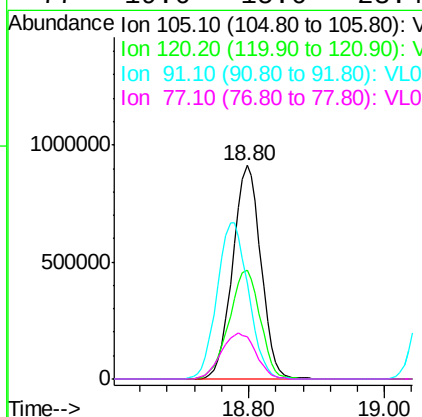
Manual Integrations
 APPROVED

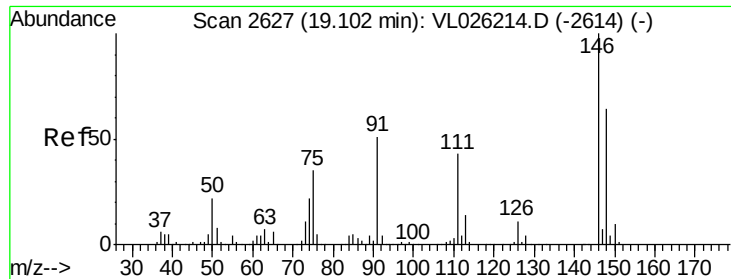
MMDadoda
 10/22/2015 4:35:44 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.28 ppbv
 RT: 18.80 min Scan# 2577
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Tgt Ion:105 Resp: 2627790
 Ion Ratio Lower Upper
 105 100
 120 50.7 41.2 61.8
 91 44.7 37.2 55.8
 77 19.6 15.6 23.4





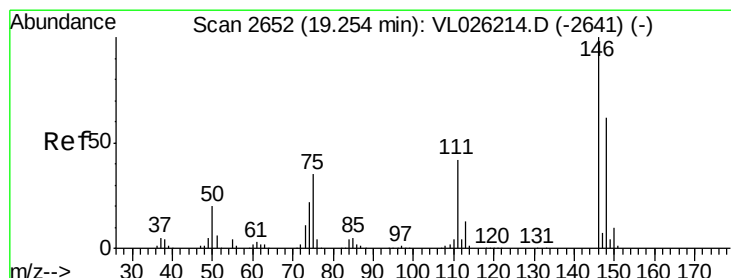
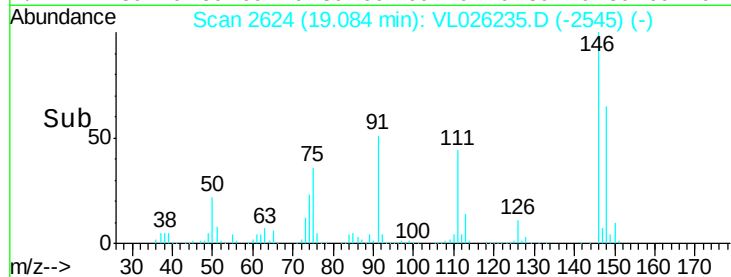
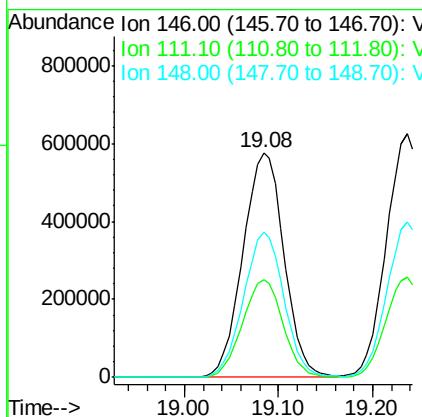
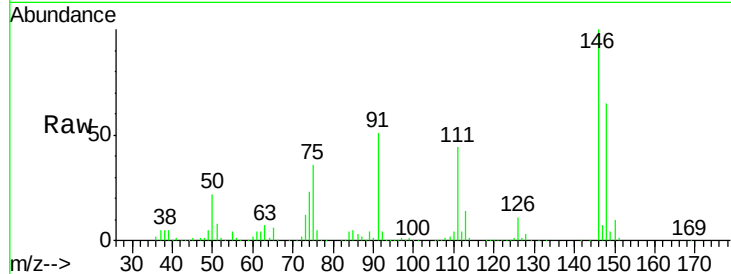
#75
 1,3-Dichlorobenzene
 Concen: 9.48 ppbv
 RT: 19.08 min Scan# 2624
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion:146 Resp: 1754681
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.6 64.8
 148 63.4 31.8 95.4

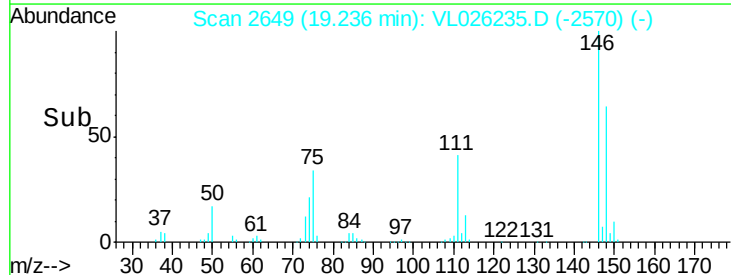
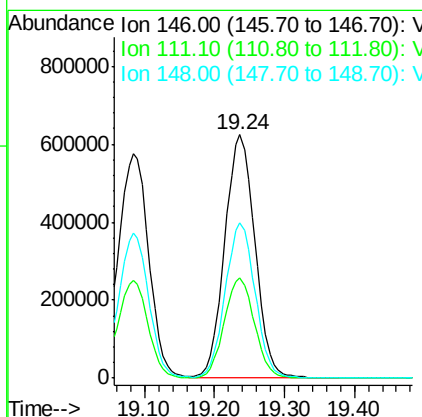
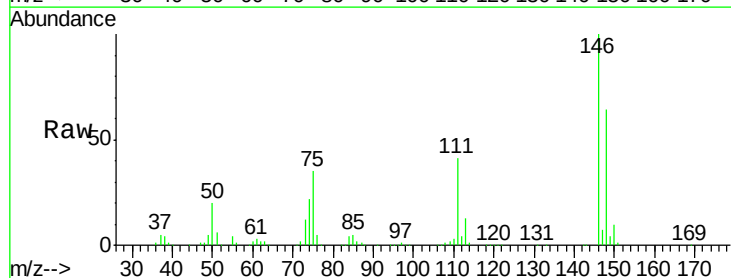
Manual Integrations
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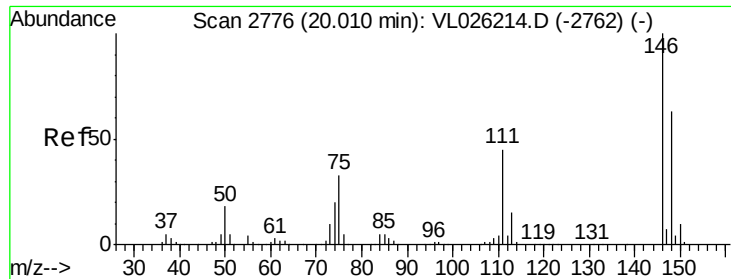
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#76
 1,4-Dichlorobenzene
 Concen: 9.68 ppbv
 RT: 19.24 min Scan# 2649
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Tgt Ion:146 Resp: 1870132
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.8 62.2
 148 63.2 31.9 95.9





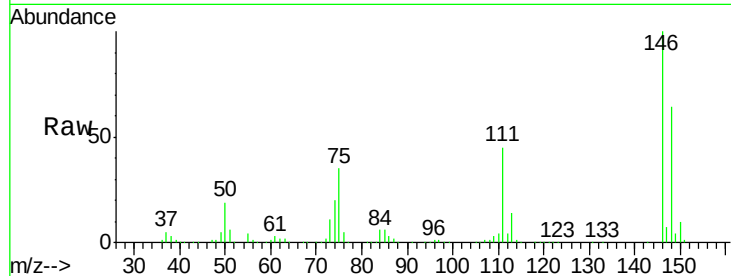
#77
 1,2-Dichlorobenzene
 Concen: 9.57 ppbv
 RT: 19.99 min Scan# 2772
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.6	67.7
148	63.8	31.6	95.0

Manual Integrations
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MMDadoda
 10/22/2015 4:35:44 PM

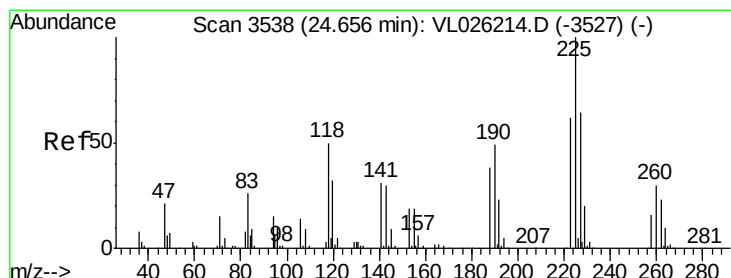
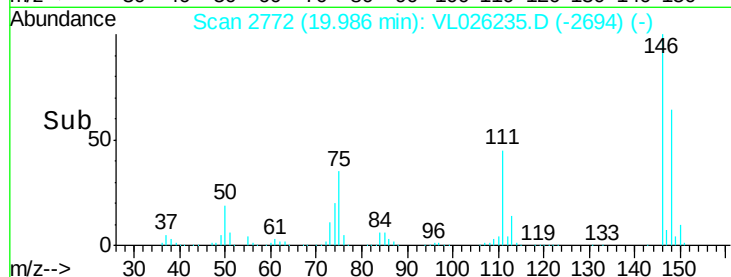
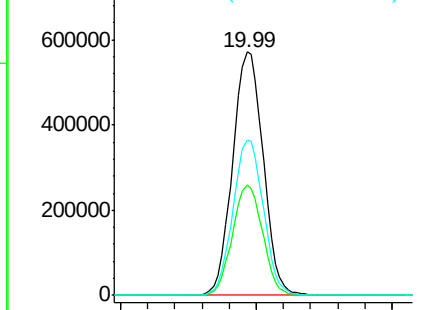


Abundance

Ion 146.00 (145.70 to 146.70): V

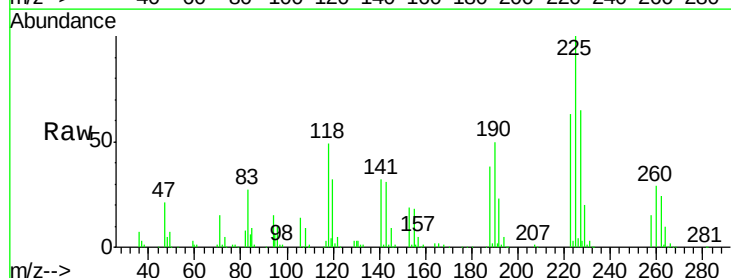
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.07 ppbv
 RT: 24.64 min Scan# 3536
 Delta R.T. -0.01 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.2
227	63.6	50.8	76.2

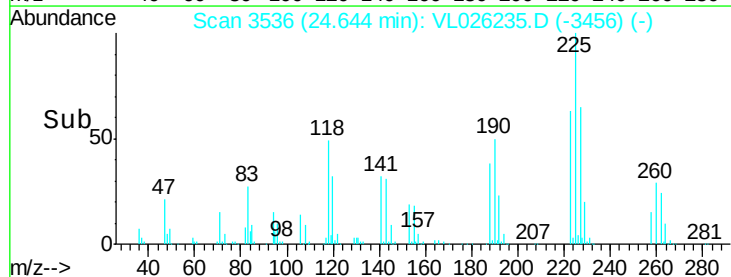
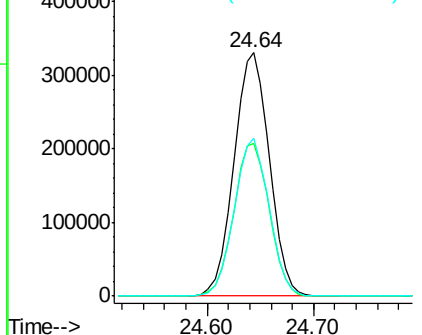


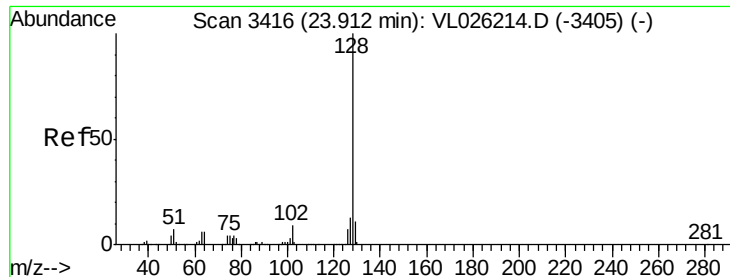
Abundance

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





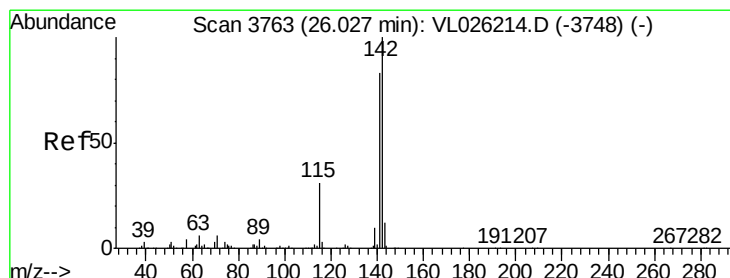
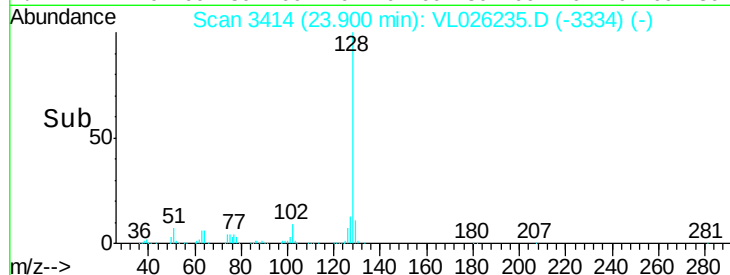
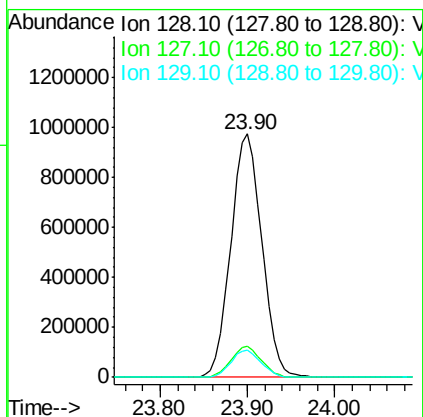
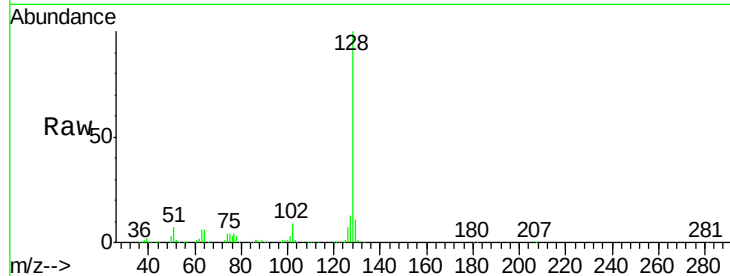
#79
Naphthalene
Concen: 9.64 ppbv
RT: 23.90 min Scan# 3414
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.8	13.2

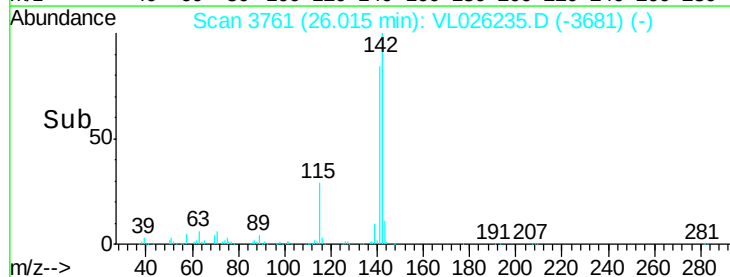
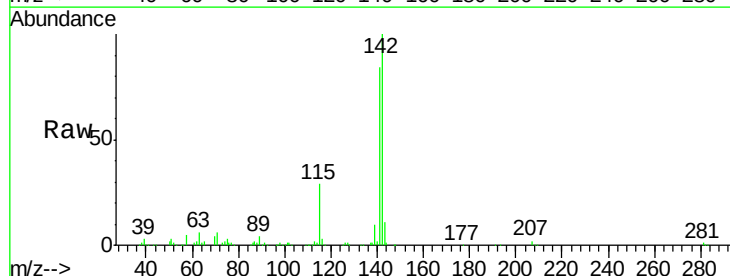
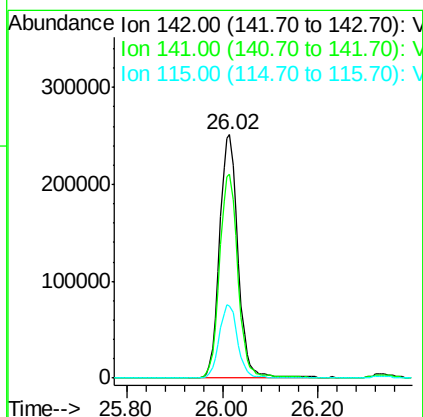
Manual Integrations
APPROVED

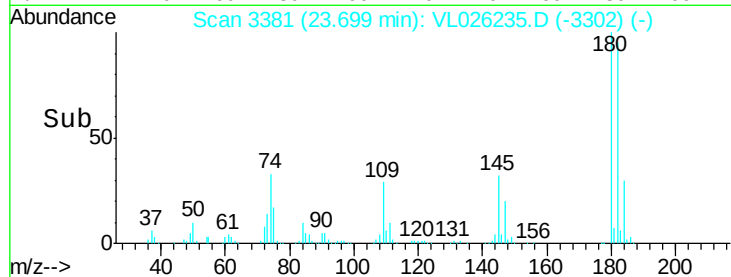
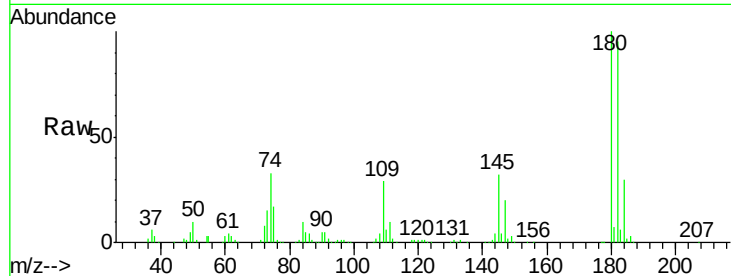
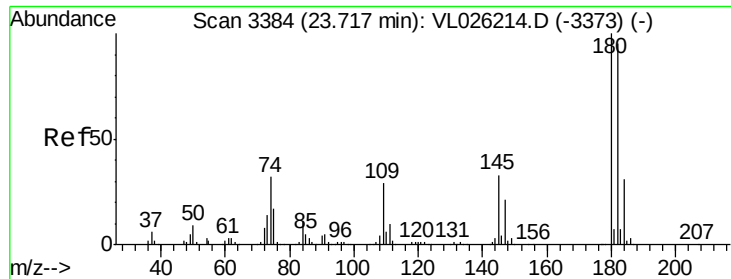
MMDadoda
10/22/2015 4:35:44 PM



#80
Naphthalene, 2-methyl-
Concen: 15.04 ppbv
RT: 26.02 min Scan# 3761
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.5	99.7
115	30.6	24.2	36.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.18 ppbv
 RT: 23.70 min Scan# 3381
 Delta R.T. -0.02 min
 Lab File: VL026235.D
 Acq: 21 Oct 2015 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.7	115.1
184	30.3	24.2	36.2

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:35:44 PM

