

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026214.D
 Acq On : 20 Oct 2015 17:10
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:31:27 PM

Quant Time: Oct 21 02:21:24 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 2015
 QLast Update : Tue Oct 20 20:24:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.64	49	554079	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	1734681	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.73	117	2171965m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.27	95	1663897	9.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.63	85	1176242	10.24	ppbv	100
3) Chlorodifluoromethane	3.56	51	646017	9.21	ppbv	100
4) Chloromethane	3.73	50	368444	9.73	ppbv	100
5) Vinyl Chloride	3.87	62	385972	9.69	ppbv	100
6) Bromomethane	4.13	94	281068	9.82	ppbv	100
7) Chloroethane	4.23	64	166885	9.98	ppbv	100
8) Dichlorotetrafluoroethane	3.79	85	953625	9.66	ppbv	100
9) Propene	3.58	41	309620	9.43	ppbv	100
10) Heptane	9.34	43	1054034	9.59	ppbv	97
11) Trichlorofluoromethane	4.68	101	1132548	10.05	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.29	101	769666	10.01	ppbv	100
13) Ethanol	4.31	45	49070	9.96	ppbv	100
14) Bromoethene	4.43	108	321851	9.92	ppbv	100
15) Acetone	4.59	43	675167	8.28	ppbv	100
16) 1,3-Butadiene	3.95	39	348606	9.58	ppbv	100
17) tert-Butyl alcohol	5.11	59	651176	11.68	ppbv	100
18) 1,1-Dichloroethene	5.07	96	351739	10.13	ppbv	100
19) Isopropyl Alcohol	4.73	45	365220	11.45	ppbv	100
20) Methylene Chloride	5.14	84	318157	9.78	ppbv	100
21) Allyl Chloride	5.21	41	534281	10.03	ppbv	100
22) trans-1,2-Dichloroethene	5.74	96	442191	9.88	ppbv	100
23) Vinyl Acetate	5.96	43	1480485	9.84	ppbv	100
24) 1,1-Dichloroethane	5.89	63	926199	9.77	ppbv	100
25) Ethyl Acetate	6.65	43	1471921	9.63	ppbv	100
26) Hexane	6.64	57	724957	9.49	ppbv	100
27) Carbon Disulfide	5.37	76	1006630	10.30	ppbv	100
28) Methyl tert-Butyl Ether	5.93	73	1364597	9.82	ppbv	100
29) Chloroform	6.73	83	1099733	9.92	ppbv	100
30) Cyclohexane	8.26	84	739594	9.68	ppbv	100
31) cis-1,2-Dichloroethene	6.50	61	688417	9.92	ppbv	100
32) 1,1,1-Trichloroethane	7.58	97	1177741	9.58	ppbv	100
34) 2-Butanone	6.18	43	916649	9.35	ppbv	100
35) Carbon Tetrachloride	8.15	117	1232164	9.32	ppbv	100
36) Benzene	8.01	78	1655681	9.37	ppbv	100
37) 1,2-Dichloroethane	7.35	62	890247	9.80	ppbv	100
38) Trichloroethene	9.05	130	695759	8.12	ppbv	100
39) 1,2-Dichloropropane	8.81	63	586034	9.43	ppbv	100
40) 1,4-Dioxane	9.10	88	154307	13.22	ppbv	100
41) Tetrahydrofuran	7.10	42	538377	9.49	ppbv	100
42) Bromodichloromethane	9.01	83	1259409	9.64	ppbv	100
43) Methyl Methacrylate	9.25	69	638085	9.92	ppbv	99

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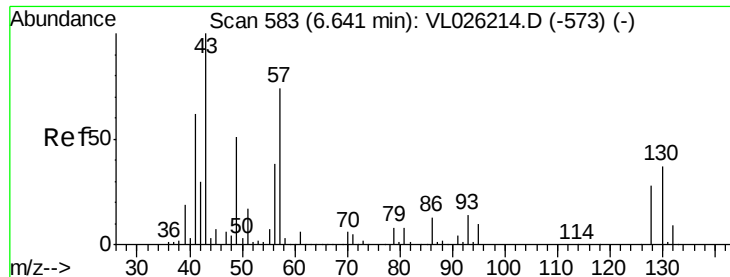
MMDadoda
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 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	9.07	57	2613473	9.14	ppbv	100
45) t-1,3-Dichloropropene	10.63	75	1017787	10.14	ppbv	100
46) cis-1,3-Dichloropropene	10.00	75	1157683	9.86	ppbv	100
47) 1,1,2-Trichloroethane	10.86	97	755557	9.68	ppbv	100
48) Dibromochloromethane	11.79	129	1249135	9.82	ppbv	100
49) Bromoform	14.80	173	1071201	9.97	ppbv	100
50) 4-Methyl-2-Pentanone	10.07	43	1303861	9.85	ppbv	100
51) 2-Hexanone	11.60	43	1253064	10.14	ppbv #	100
52) Tetrachloroethene	12.77	164	775303	7.65	ppbv	100
53) Toluene	11.22	91	2252637	9.37	ppbv	100
54) 1,2-Dibromoethane	12.13	107	1165987	9.65	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.77	131	904011	8.68	ppbv	100
57) Chlorobenzene	13.80	112	1885924	9.07	ppbv	100
58) Ethyl Benzene	14.40	91	3260522	9.26	ppbv	100
59) m/p-Xylene	14.69	91	4999278	18.14	ppbv	100
60) o-Xylene	15.47	91	2552976	8.86	ppbv	100
61) Styrene	15.29	104	1299403	9.97	ppbv	100
62) Isopropylbenzene	16.53	105	3664559	9.14	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.47	83	1648629	8.65	ppbv	100
64) n-propylbenzene	17.50	120	1024791	9.30	ppbv	97
65) tert-Butylbenzene	18.80	119	3196393	8.74	ppbv	100
66) Benzyl Chloride	19.08	91	1484683	9.83	ppbv	100
67) sec-Butylbenzene	19.39	105	4624751	9.07	ppbv	100
69) p-Isopropyltoluene	19.77	119	3871218	9.08	ppbv	100
70) n-Butylbenzene	20.74	91	3590042	9.21	ppbv	100
71) 2-Chlorotoluene	17.41	91	2748755	9.31	ppbv	100
72) 4-Ethyltoluene	17.80	105	3141499	9.37	ppbv	100
73) 1,3,5-Trimethylbenzene	17.97	105	2907451	9.30	ppbv	100
74) 1,2,4-Trimethylbenzene	18.82	105	2832896	8.74	ppbv	100
75) 1,3-Dichlorobenzene	19.10	146	1907998	9.01	ppbv	100
76) 1,4-Dichlorobenzene	19.25	146	2017483	9.12	ppbv	100
77) 1,2-Dichlorobenzene	20.01	146	1952129	9.15	ppbv	100
78) Hexachloro-1,3-Butadiene	24.66	225	891233	8.14	ppbv	100
79) Naphthalene	23.91	128	2674814	9.37	ppbv	100
80) Naphthalene, 2-methyl-	26.03	142	836366	16.32	ppbv	100
81) 1,2,4-Trichlorobenzene	23.72	180	1227159	8.93	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.64 min Scan# 583

Delta R.T. 0.00 min

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ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 554079

Ion Ratio Lower Upper

49 100

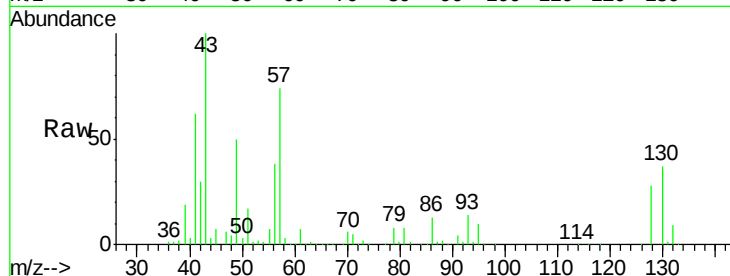
128 56.6 28.2 84.7

130 72.0 36.0 108.1

Manual Integrations
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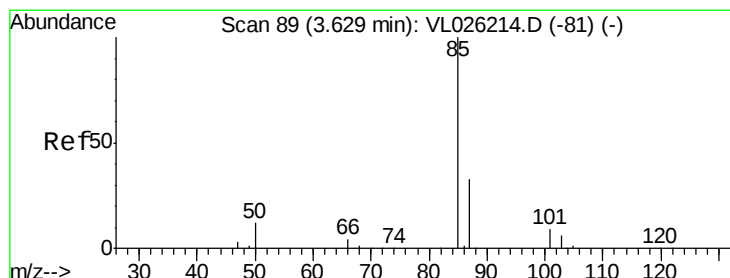
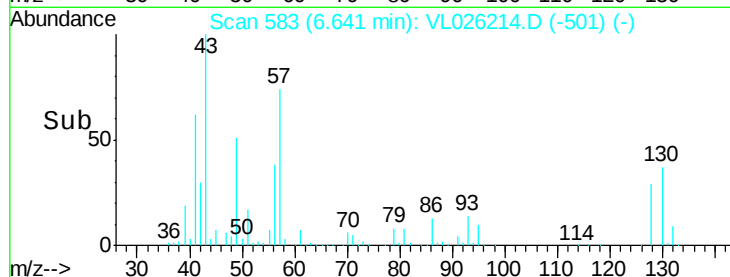
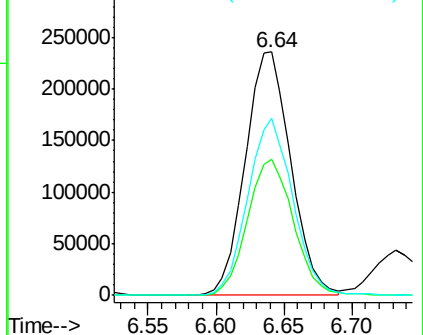
10/22/2015 4:31:27 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 10.24 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL026214.D

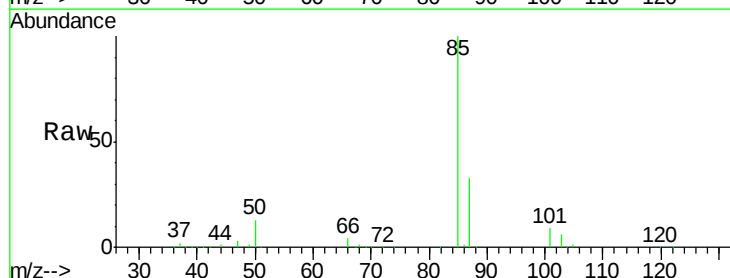
Acq: 20 Oct 2015 17:10

Tgt Ion: 85 Resp: 1176242

Ion Ratio Lower Upper

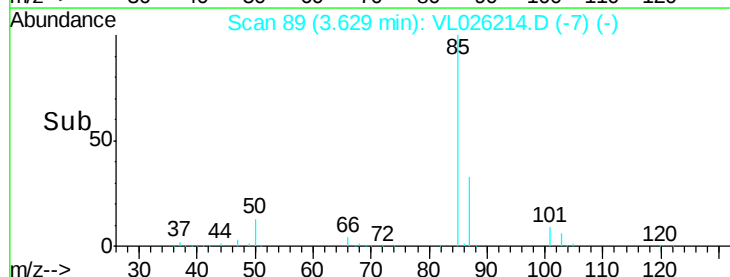
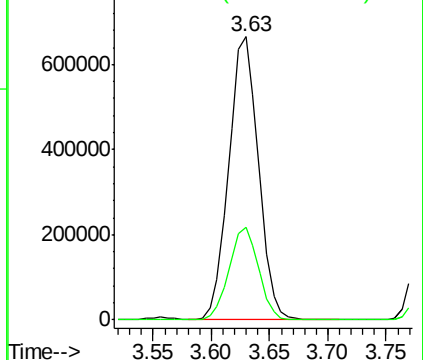
85 100

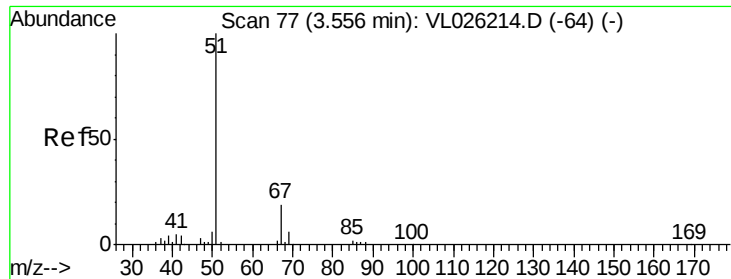
87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.21 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 646017

Ion Ratio Lower Upper

51 100

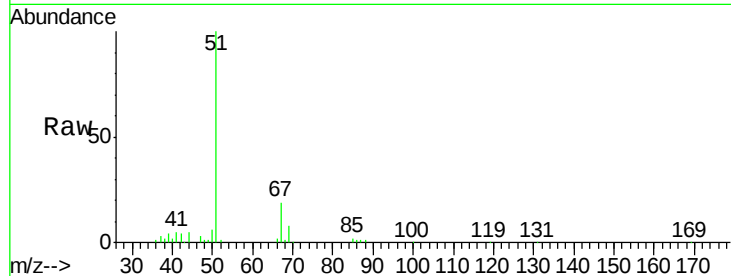
67 19.1 15.3 22.9

Manual Integrations

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10/22/2015 4:31:27 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.56

400000

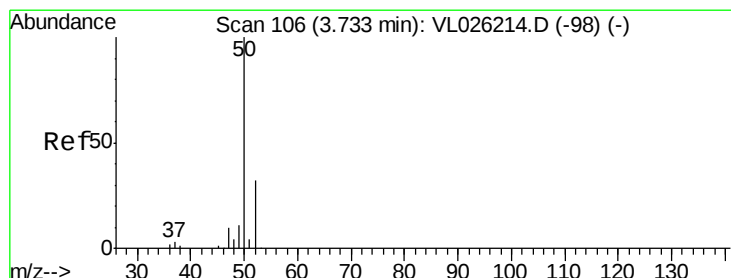
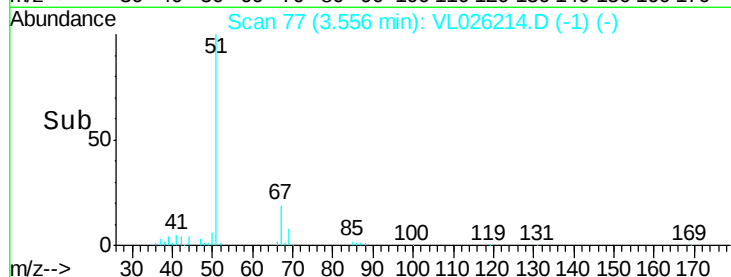
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 9.73 ppbv

RT: 3.73 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL026214.D

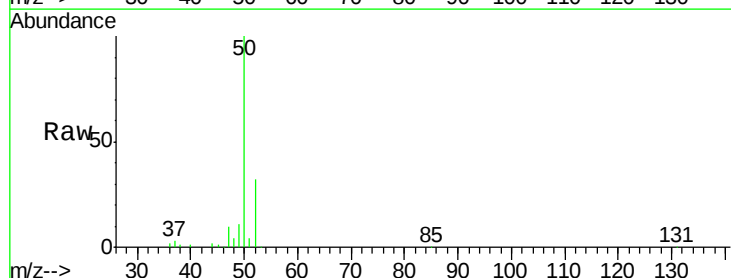
Acq: 20 Oct 2015 17:10

Tgt Ion: 50 Resp: 368444

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.73

200000

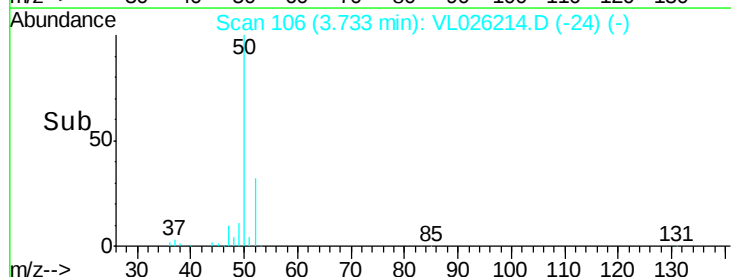
150000

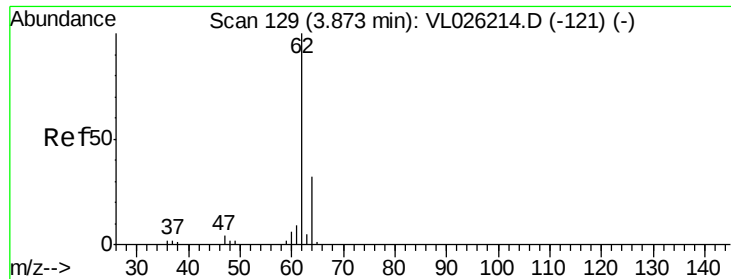
100000

50000

0

Time-->





#5

Vinyl Chloride

Concen: 9.69 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 385972

Ion Ratio Lower Upper

62 100

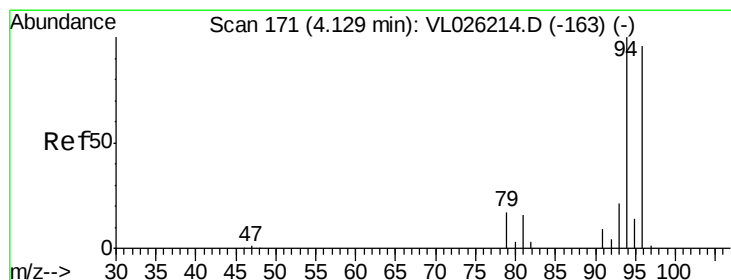
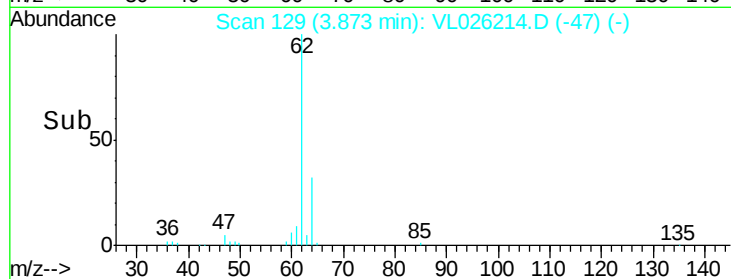
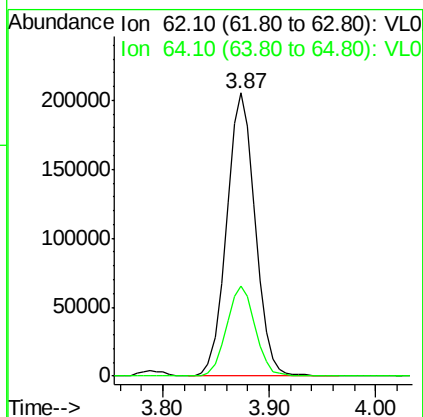
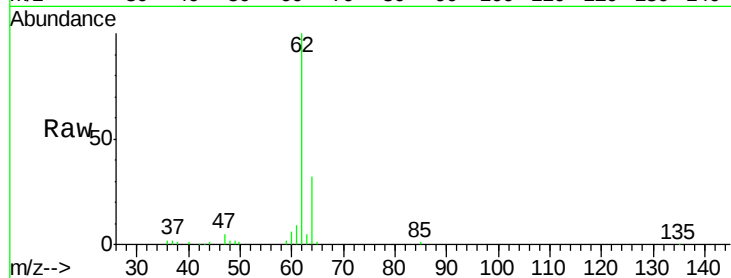
64 32.0 25.6 38.4

Manual Integrations

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10/22/2015 4:31:27 PM



#6

Bromomethane

Concen: 9.82 ppbv

RT: 4.13 min Scan# 171

Delta R.T. 0.00 min

Lab File: VL026214.D

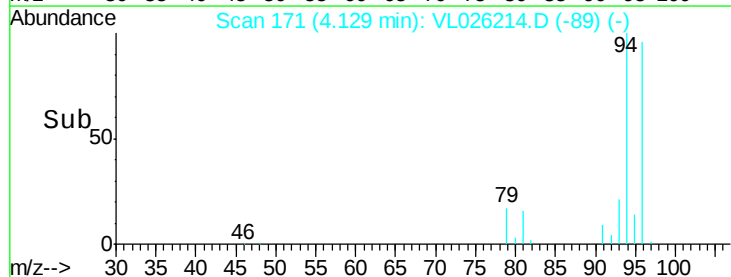
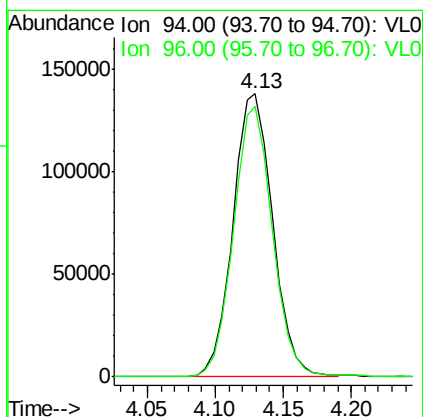
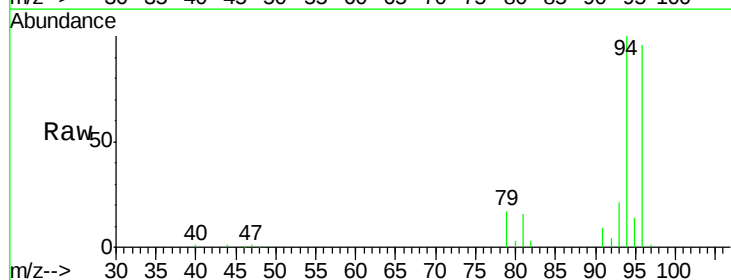
Acq: 20 Oct 2015 17:10

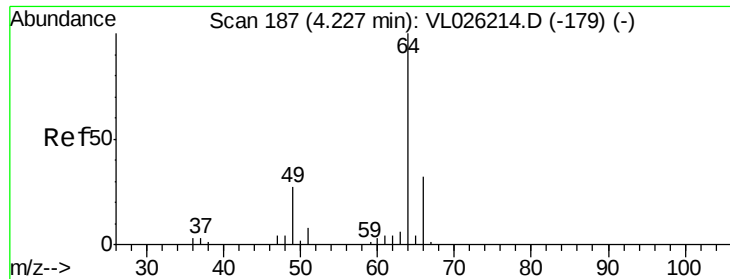
Tgt Ion: 94 Resp: 281068

Ion Ratio Lower Upper

94 100

96 95.6 76.5 114.7





#7

Chloroethane

Concen: 9.98 ppbv

RT: 4.23 min Scan# 187

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 166885

Ion Ratio Lower Upper

64 100

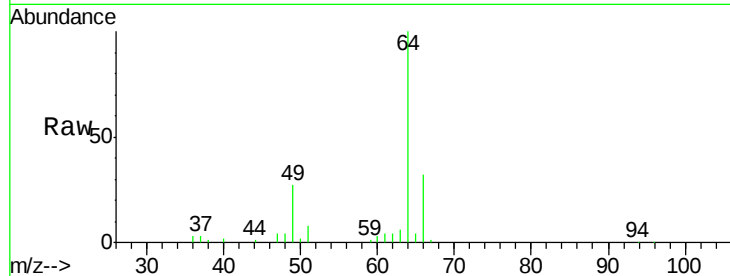
66 31.7 25.4 38.0

Manual Integrations

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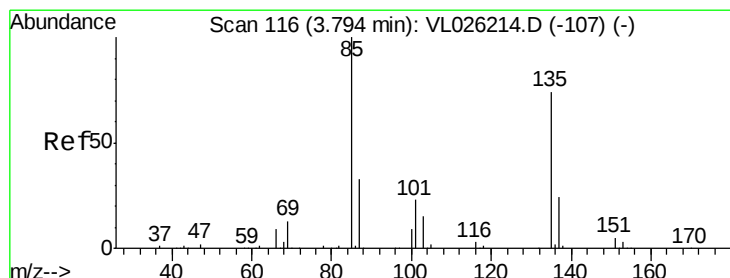
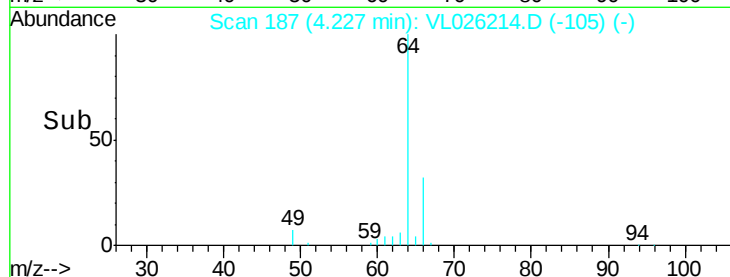
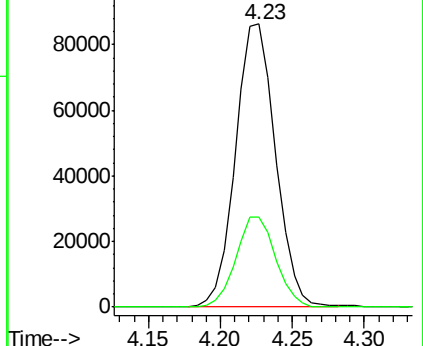
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10/22/2015 4:31:27 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.66 ppbv

RT: 3.79 min Scan# 116

Delta R.T. 0.00 min

Lab File: VL026214.D

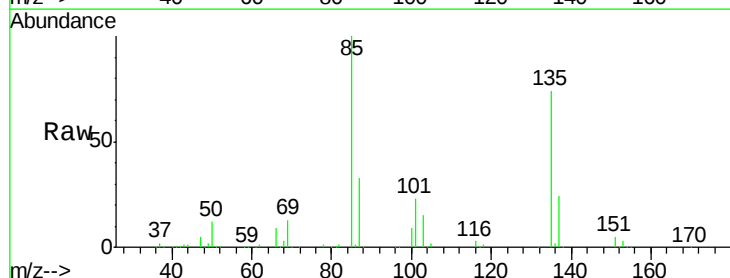
Acq: 20 Oct 2015 17:10

Tgt Ion: 85 Resp: 953625

Ion Ratio Lower Upper

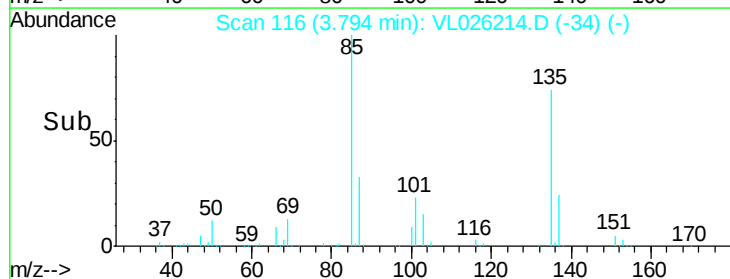
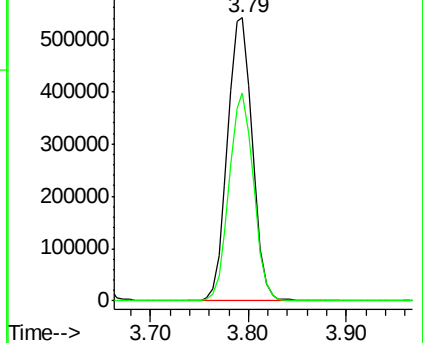
85 100

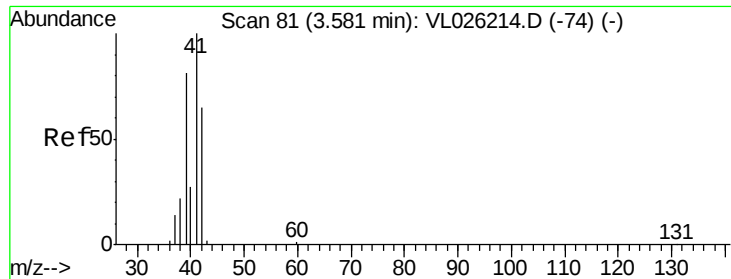
135 72.3 57.8 86.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.43 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

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Tot Ion: 41 Resp: 309620

Ion Ratio Lower Upper

41 100

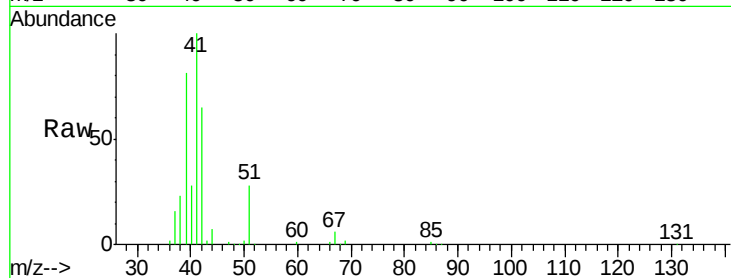
42 67.3 53.8 80.8

Manual Integrations

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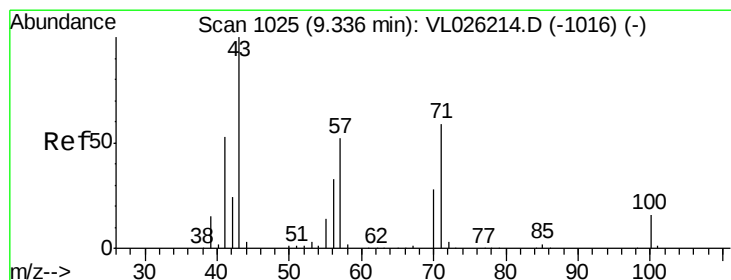
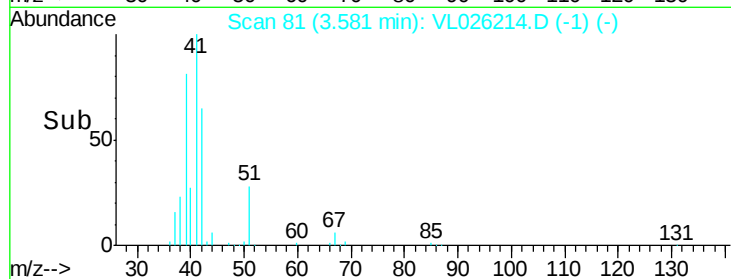
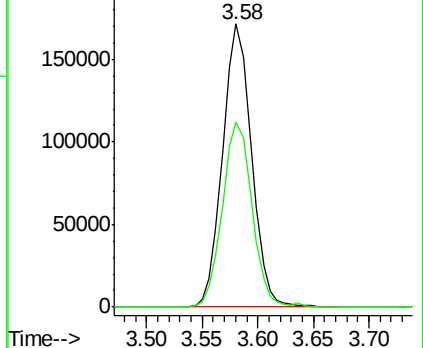
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10/22/2015 4:31:27 PM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.59 ppbv

RT: 9.34 min Scan# 1025

Delta R.T. 0.00 min

Lab File: VL026214.D

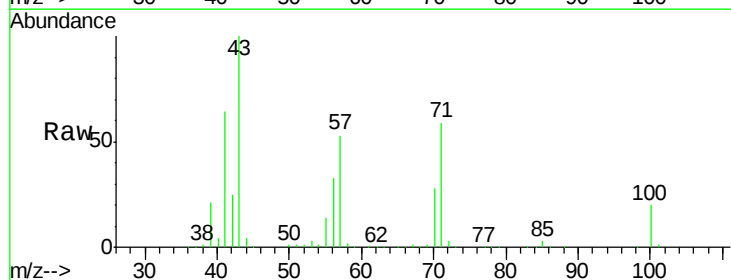
Acq: 20 Oct 2015 17:10

Tgt Ion: 43 Resp: 1054034

Ion Ratio Lower Upper

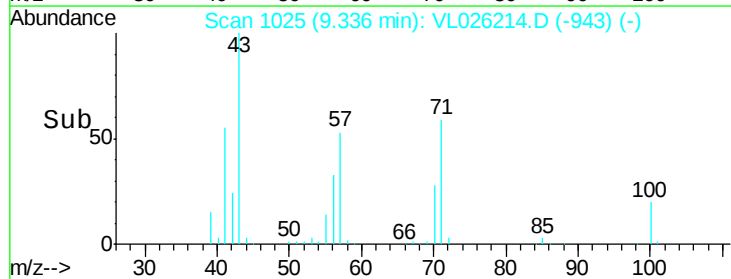
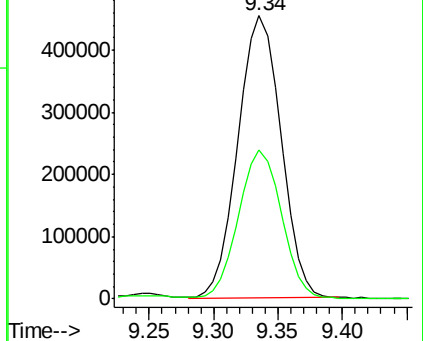
43 100

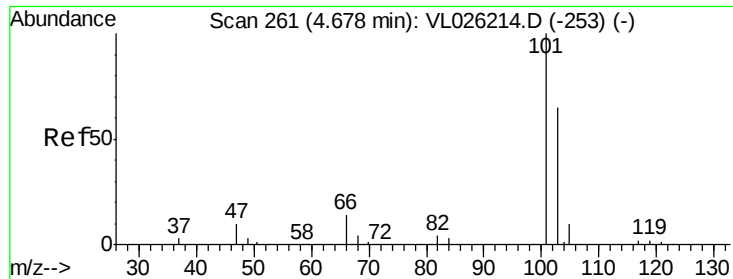
57 52.6 43.7 65.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





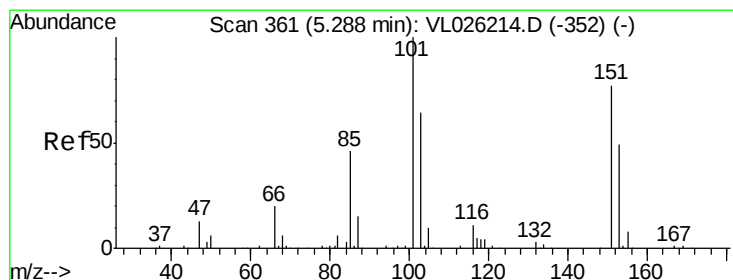
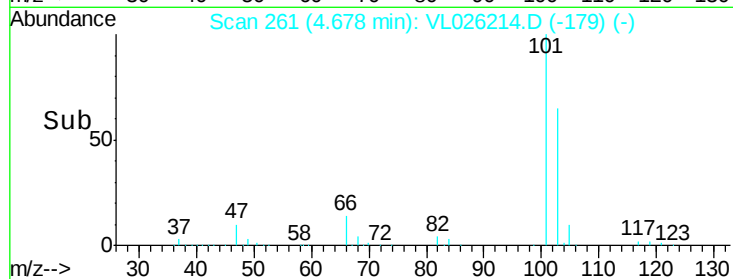
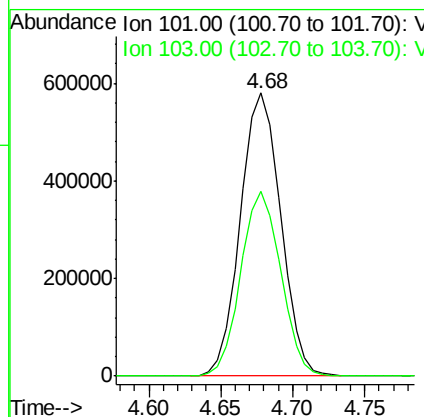
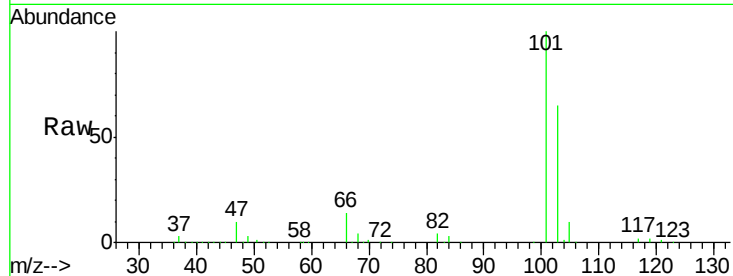
#11
 Trichlorofluoromethane
 Concen: 10.05 ppbv
 RT: 4.68 min Scan# 261
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 1132548
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.2 78.2

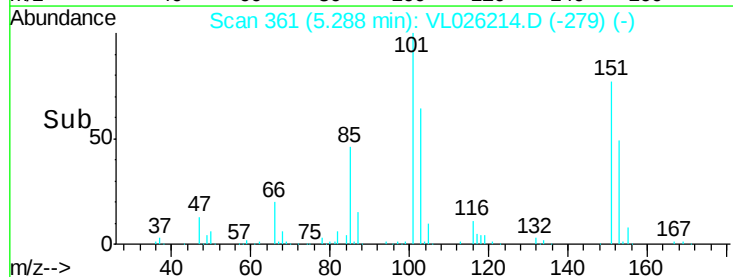
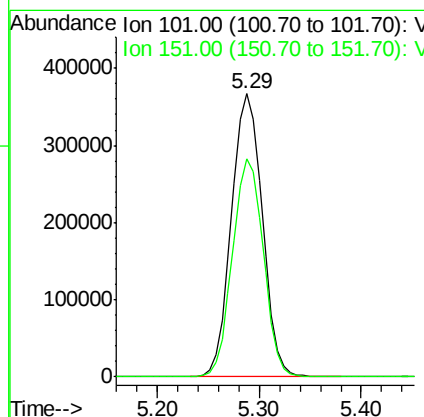
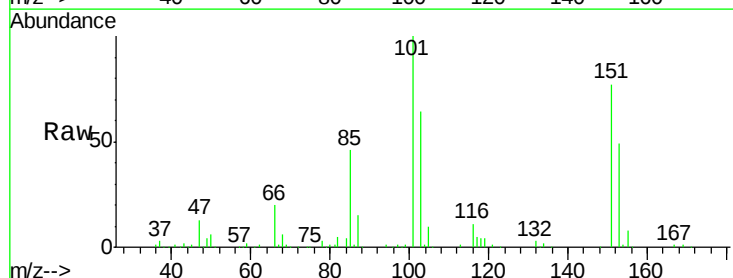
Manual Integrations
 APPROVED

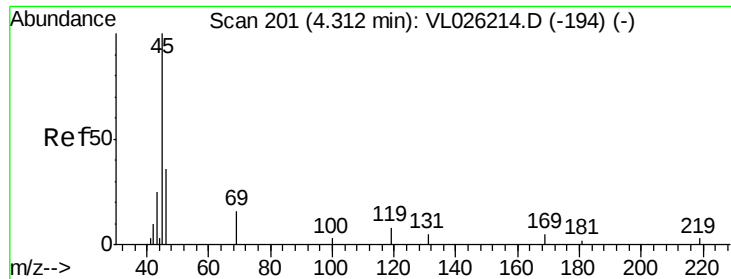
MMDadoda
 10/22/2015 4:31:27 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.01 ppbv
 RT: 5.29 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Tgt Ion:101 Resp: 769666
 Ion Ratio Lower Upper
 101 100
 151 77.1 61.7 92.5





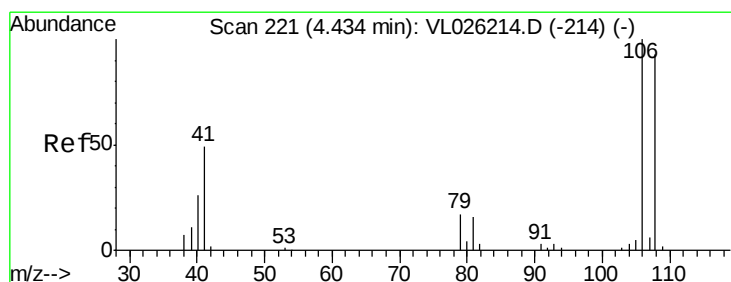
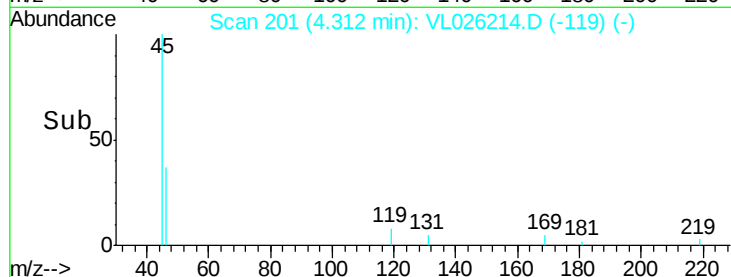
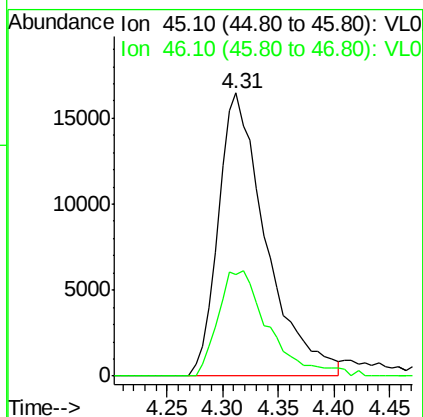
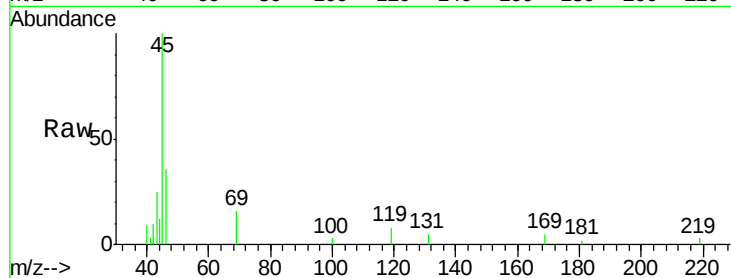
#13
Ethanol
Concen: 9.96 ppbv
RT: 4.31 min Scan# 201
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 45 Resp: 49070
Ion Ratio Lower Upper
45 100
46 39.4 15.8 63.0

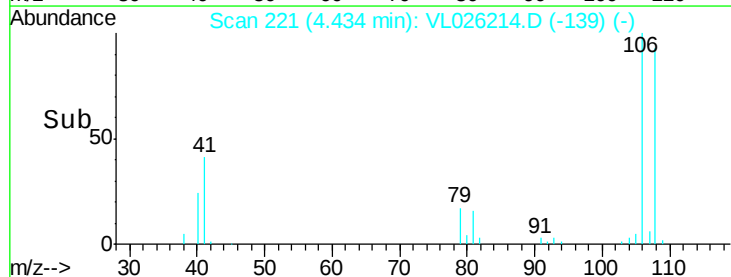
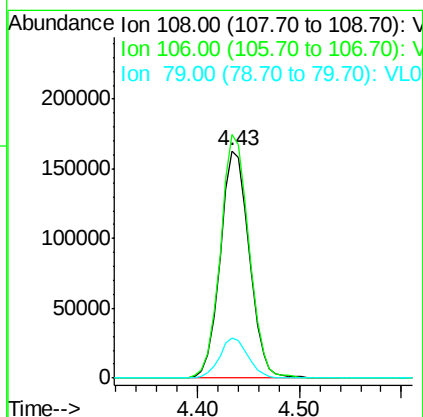
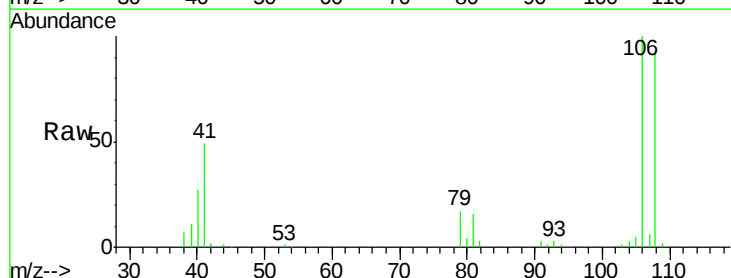
Manual Integrations
APPROVED

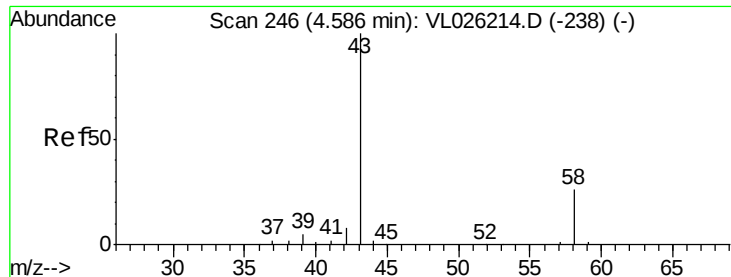
MMDadoda
10/22/2015 4:31:27 PM



#14
Bromoethene
Concen: 9.92 ppbv
RT: 4.43 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion: 108 Resp: 321851
Ion Ratio Lower Upper
108 100
106 105.9 84.7 127.1
79 17.5 14.0 21.0





#15

Acetone

Concen: 8.28 ppbv

RT: 4.59 min Scan# 246

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 675167

Ion Ratio Lower Upper

43 100

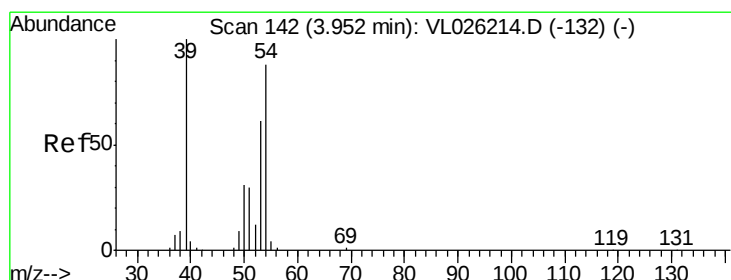
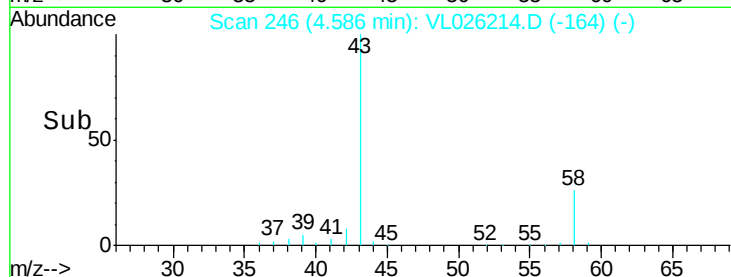
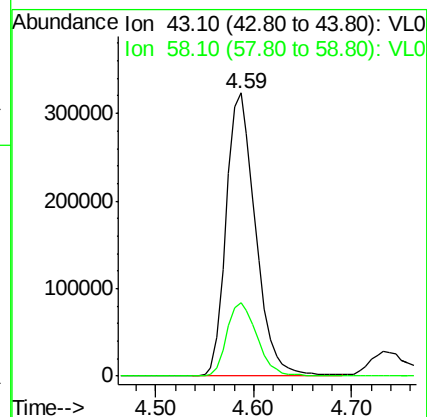
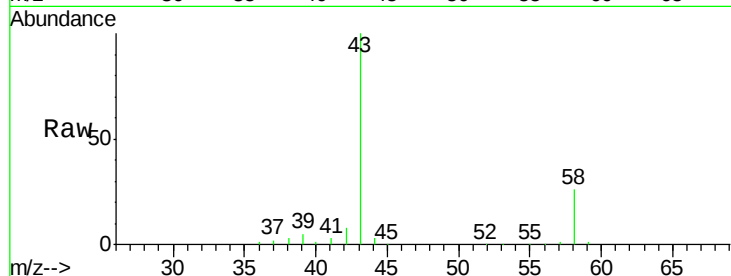
58 27.2 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

10/22/2015 4:31:27 PM



#16

1,3-Butadiene

Concen: 9.58 ppbv

RT: 3.95 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL026214.D

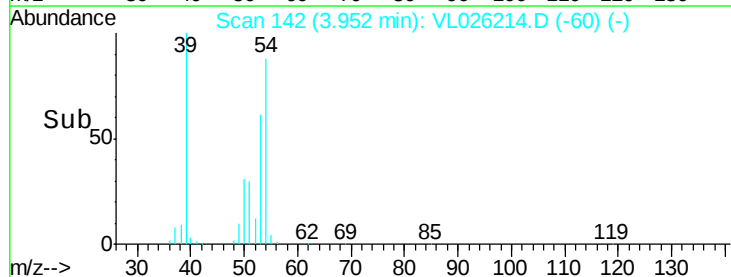
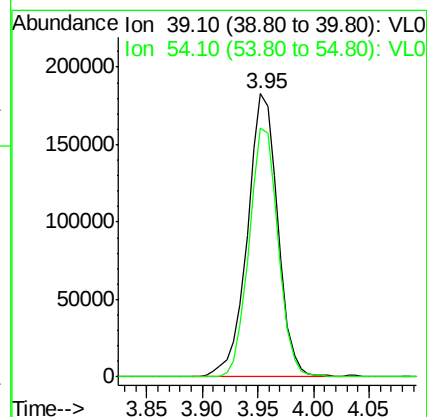
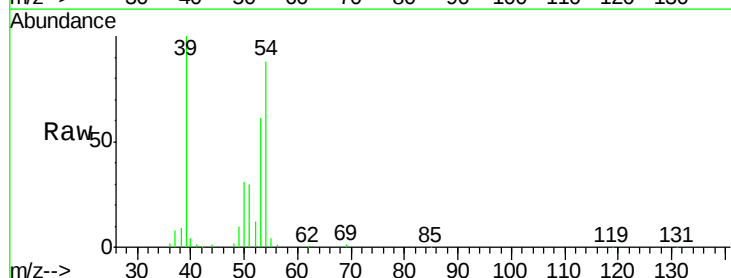
Acq: 20 Oct 2015 17:10

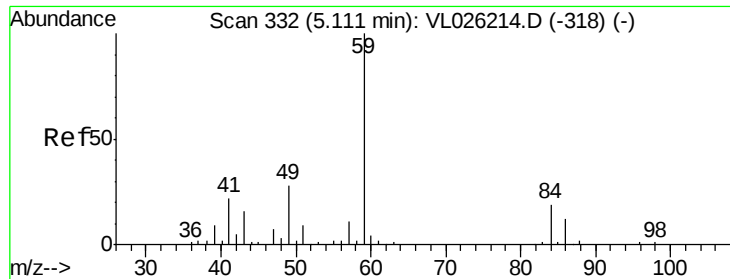
Tgt Ion: 39 Resp: 348606

Ion Ratio Lower Upper

39 100

54 84.1 67.3 100.9





#17

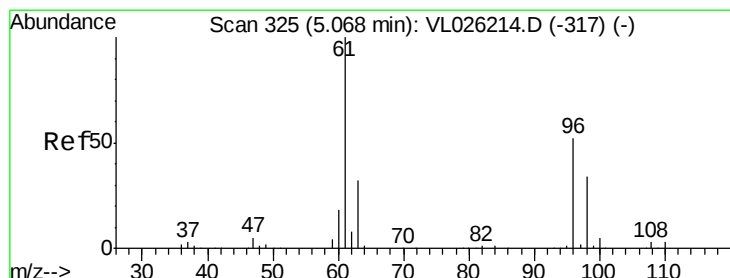
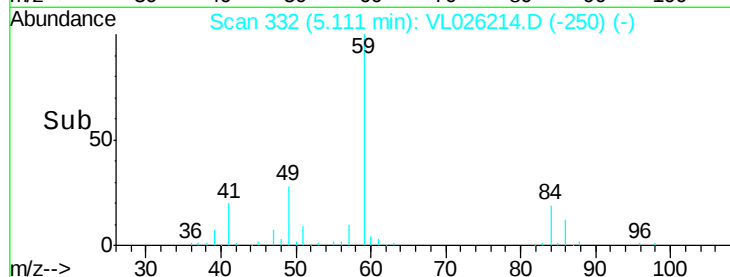
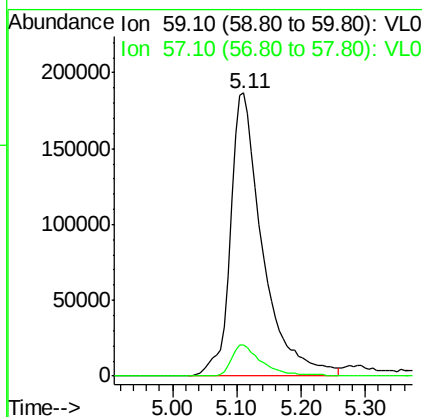
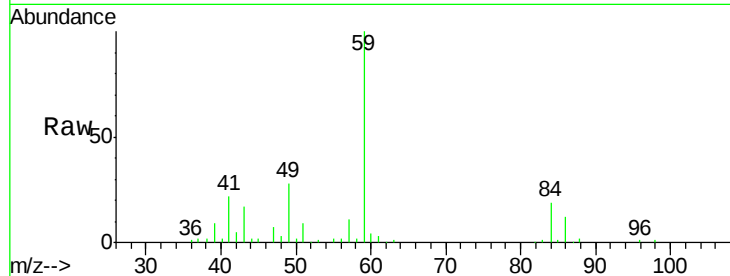
tert-Butyl alcohol
Concen: 11.68 ppbv
RT: 5.11 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	59	57	Ratio	100	10.6	Resp	651176	Lower	8.5	Upper	12.7
Ion	59	57	Ratio	100	10.6	Resp	651176	Lower	8.5	Upper	12.7

Manual Integrations
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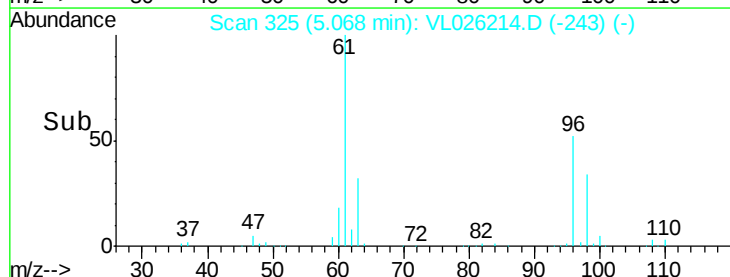
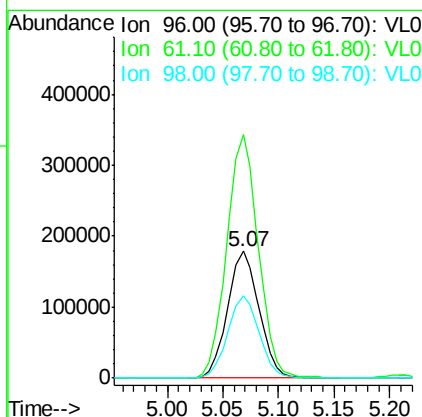
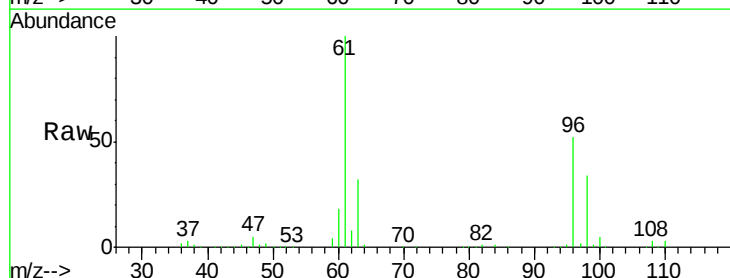
MMDadoda
10/22/2015 4:31:27 PM

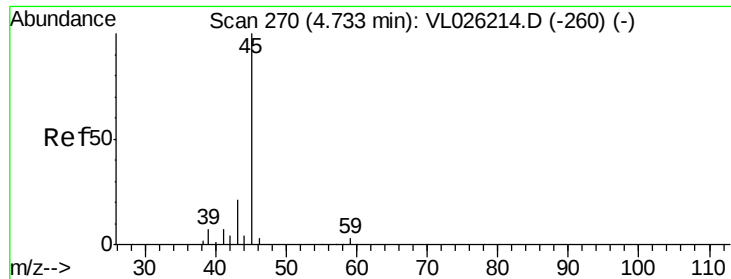


#18

1,1-Dichloroethene
Concen: 10.13 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion	96	61	98	Ratio	100	192.1	64.5	Resp	351739	Lower	153.7	51.6	Upper	230.5	77.4
Ion	96	61	98	Ratio	100	192.1	64.5	Resp	351739	Lower	153.7	51.6	Upper	230.5	77.4





#19

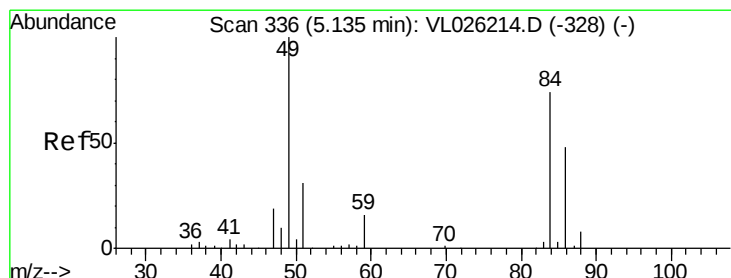
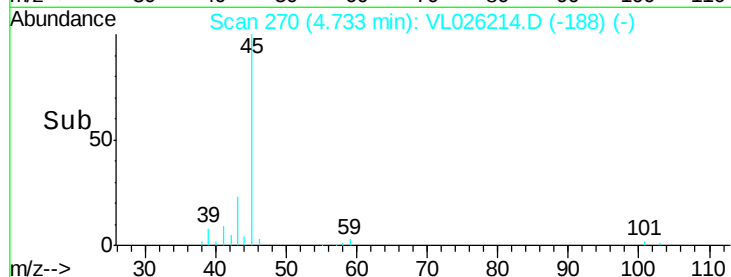
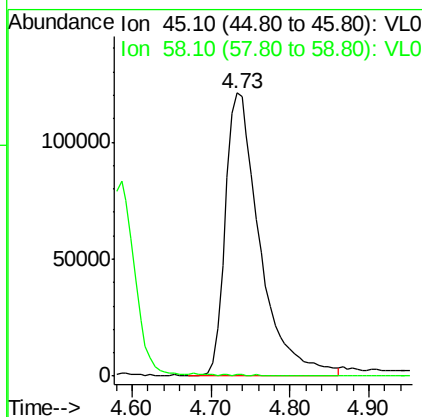
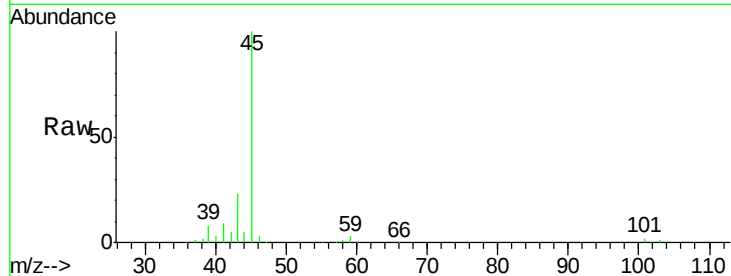
Isopropyl Alcohol
 Concen: 11.45 ppbv
 RT: 4.73 min Scan# 270
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
58	50.4	40.3	60.5

Manual Integrations
 APPROVED

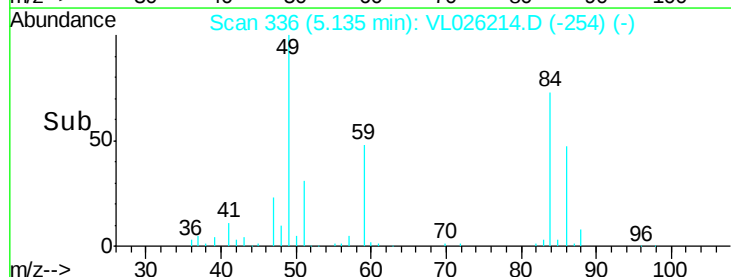
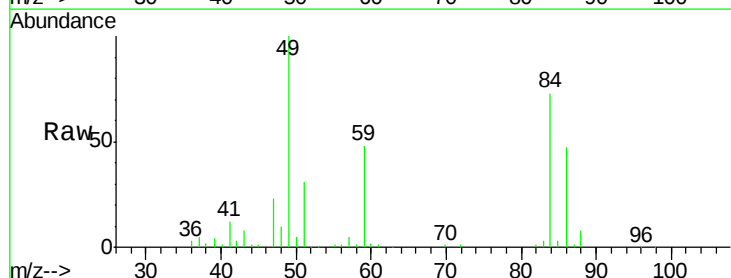
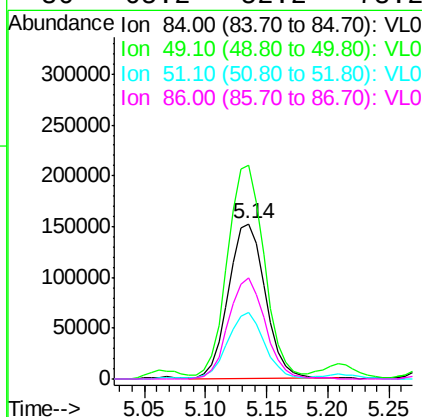
MMDadoda
 10/22/2015 4:31:27 PM

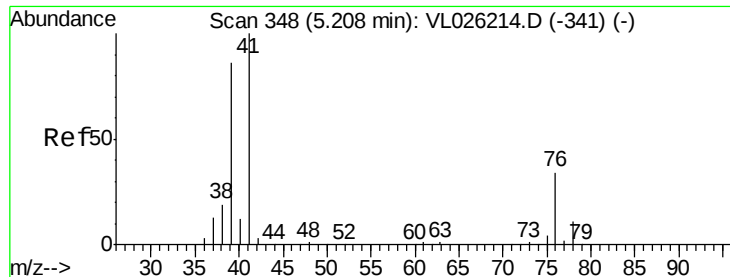


#20

Methylene Chloride
 Concen: 9.78 ppbv
 RT: 5.14 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.9	108.7	163.1
51	42.1	33.7	50.5
86	65.2	52.2	78.2





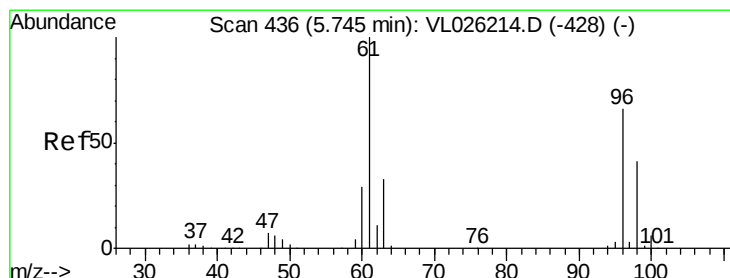
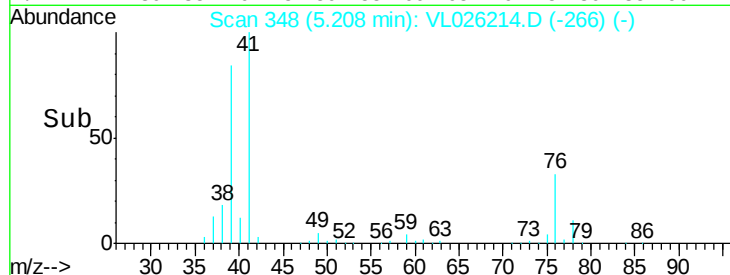
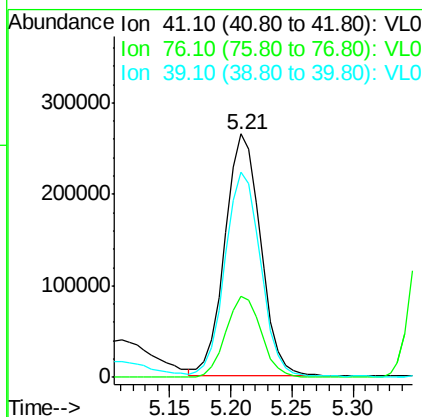
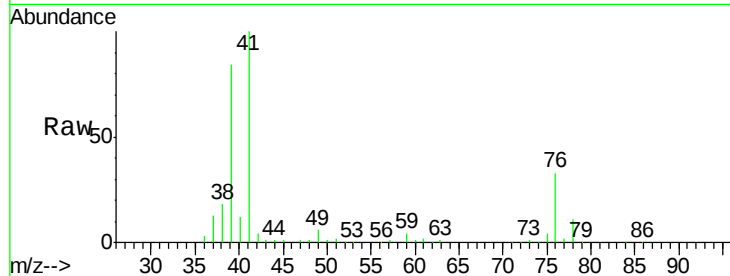
#21
Allvl Chloride
Concen: 10.03 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	33.2	26.6	39.8
39	84.3	67.4	101.2

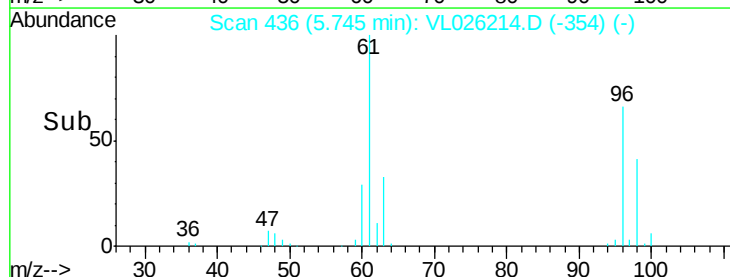
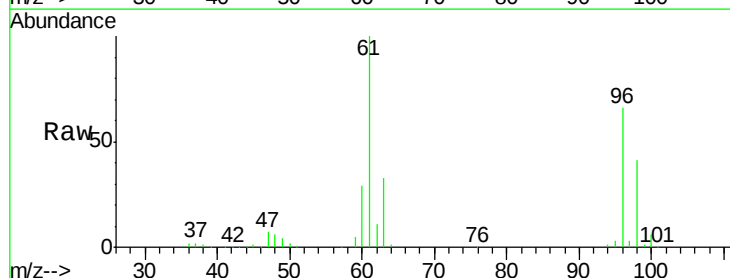
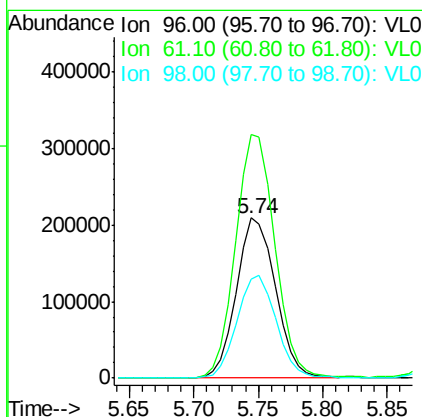
Manual Integrations
APPROVED

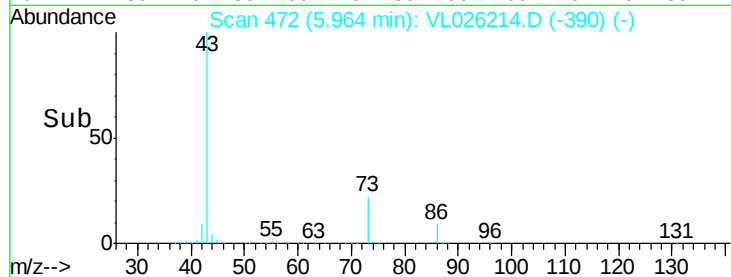
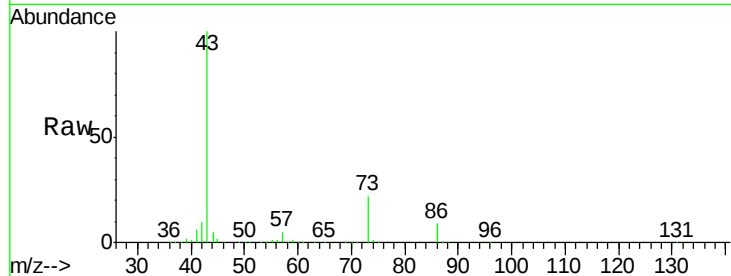
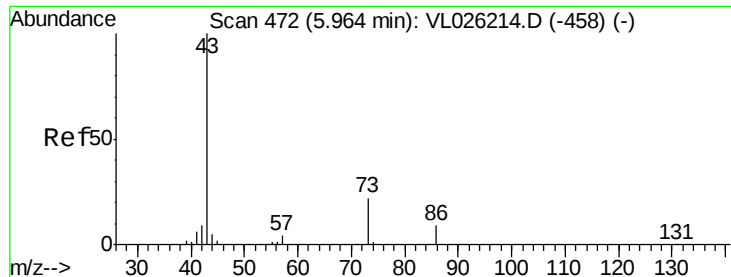
MMDadoda
10/22/2015 4:31:27 PM



#22
trans-1,2-Dichloroethene
Concen: 9.88 ppbv
RT: 5.74 min Scan# 436
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.9	121.5	182.3
98	62.1	49.7	74.5





#23

Vinyl Acetate

Concen: 9.84 ppbv

RT: 5.96 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Tot Ion: 43 Resp: 1480485

Ion Ratio Lower Upper

43 100

86 8.8 7.0 10.6

42 9.4 7.5 11.3

44 4.5 3.6 5.4

Instrument :

MSVOA_L

ClientSampleId :

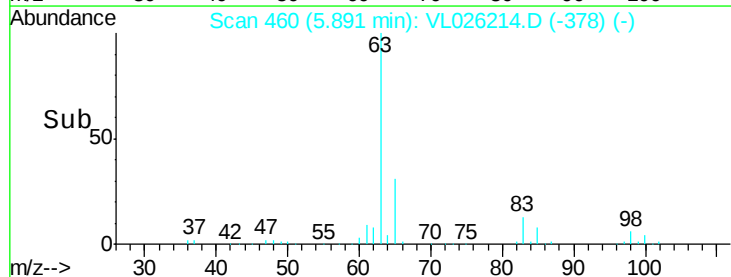
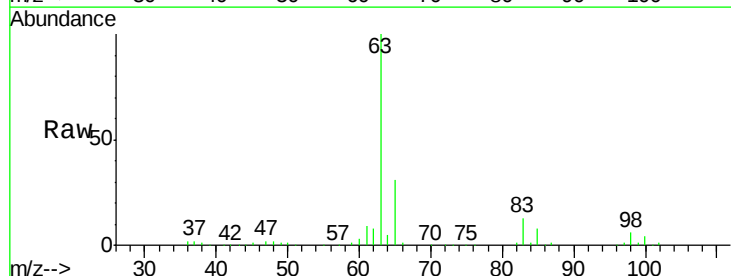
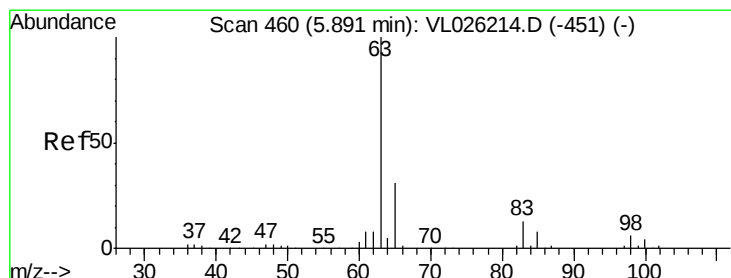
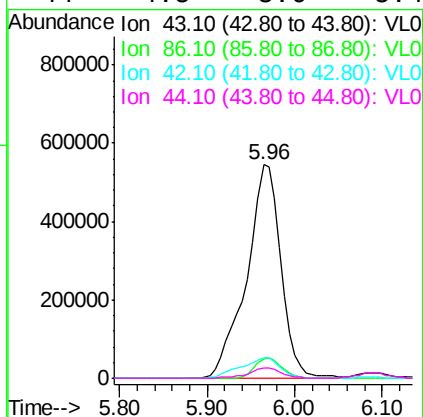
VSTDICCC010

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 9.77 ppbv

RT: 5.89 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

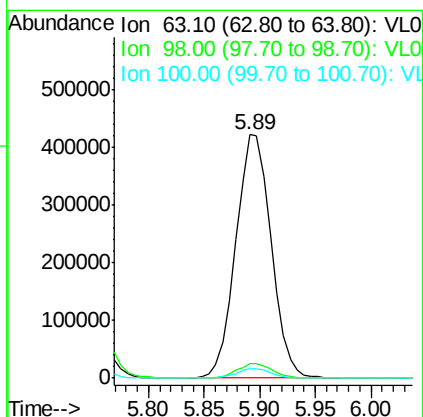
Tgt Ion: 63 Resp: 926199

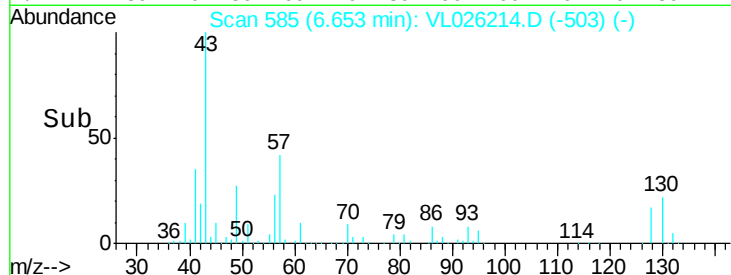
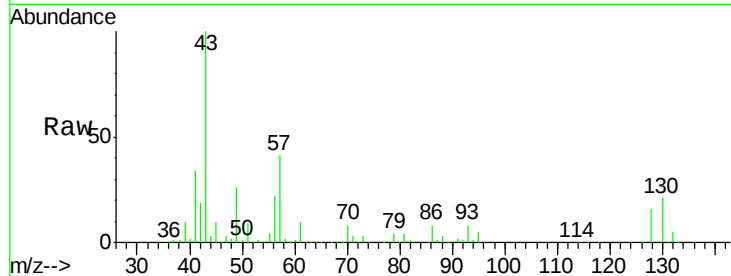
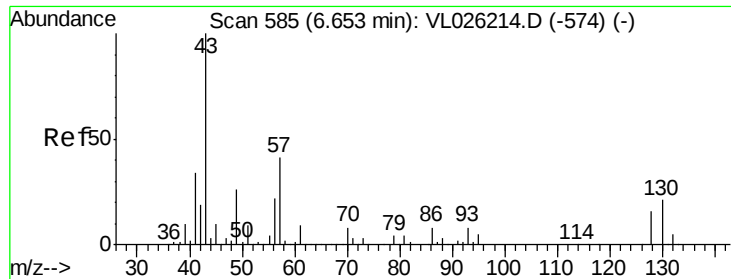
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.7 1.8 5.5





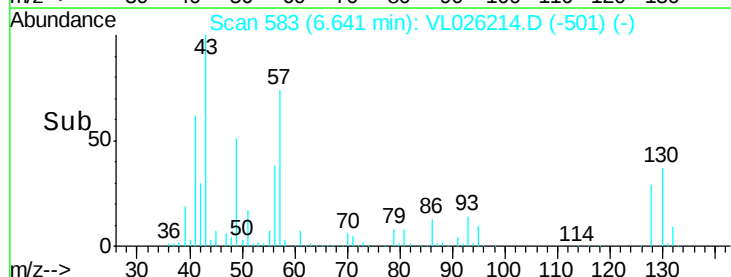
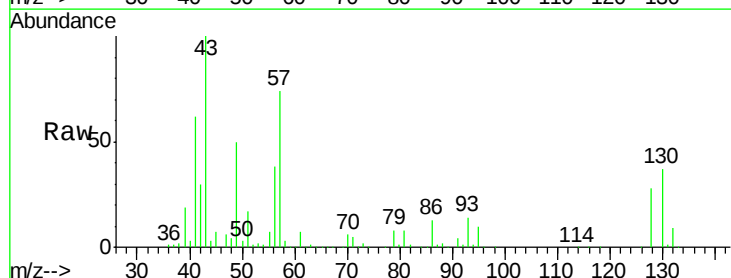
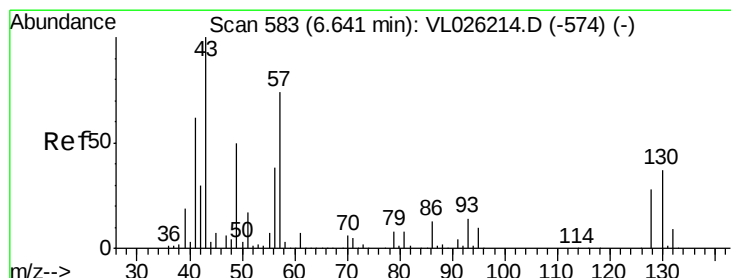
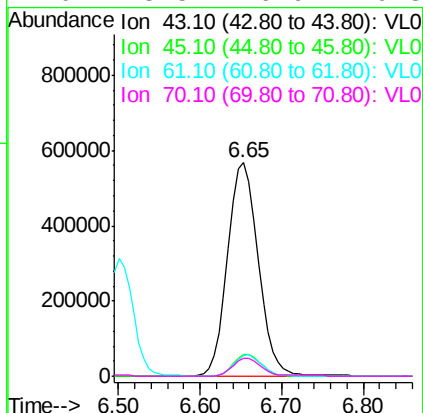
#25
Ethyl Acetate
Concen: 9.63 ppbv
RT: 6.65 min Scan# 585
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tot Ion	43	Resp	1471921
Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.7	11.5
61	9.4	7.5	11.3
70	8.5	6.9	10.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

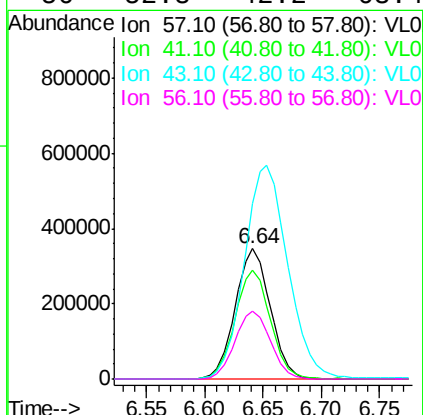
Manual Integrations
APPROVED

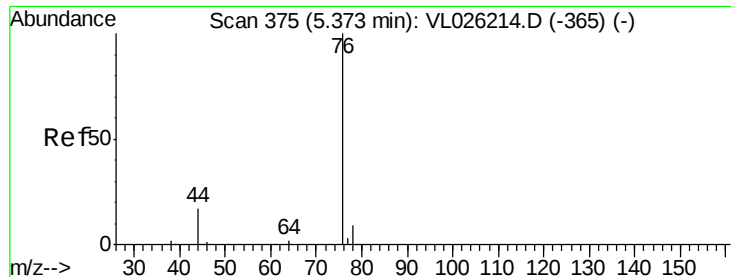
MMDadoda
10/22/2015 4:31:27 PM



#26
Hexane
Concen: 9.49 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion	57	Resp	724957
Ion	Ratio	Lower	Upper
57	100		
41	85.2	68.1	102.1
43	204.4	163.4	245.2
56	52.8	42.2	63.4





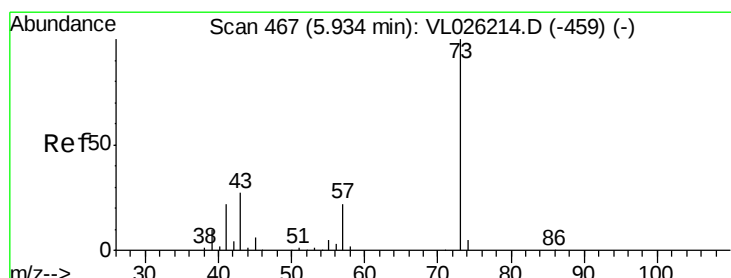
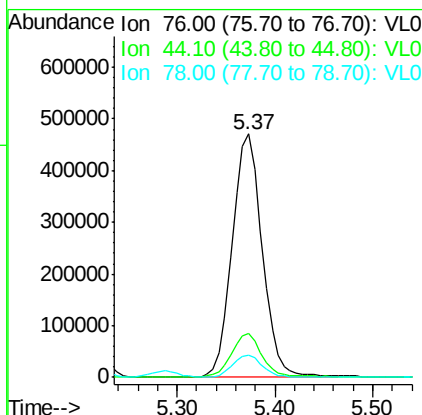
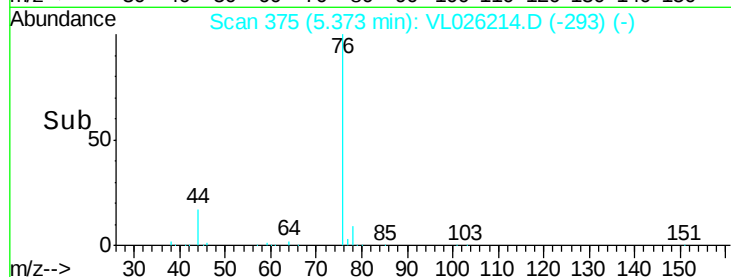
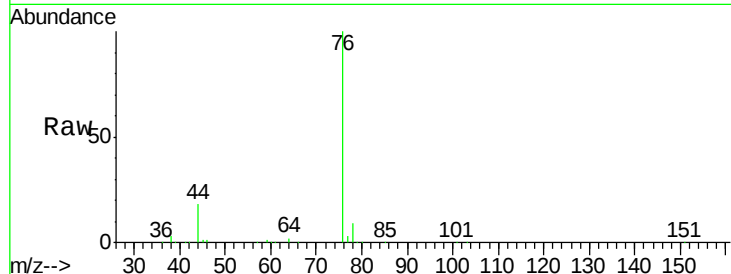
#27
Carbon Disulfide
Concen: 10.30 ppbv
RT: 5.37 min Scan# 375
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 76 Resp: 1006630
Ion Ratio Lower Upper
76 100
44 17.5 14.0 21.0
78 9.3 7.4 11.2

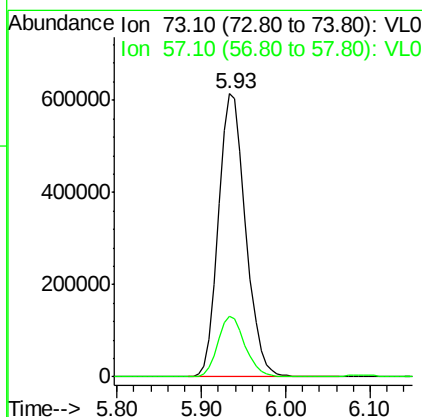
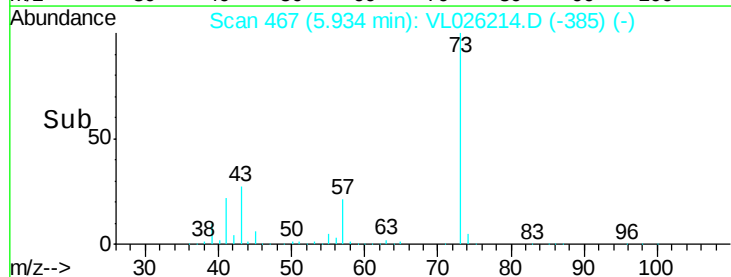
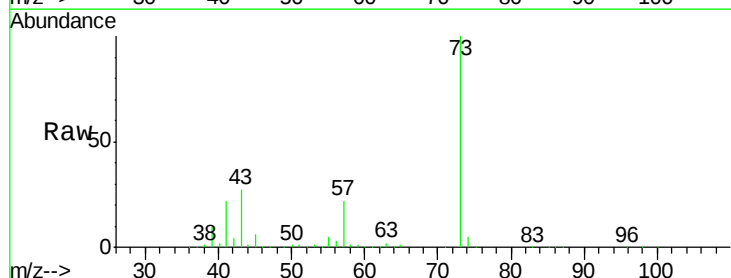
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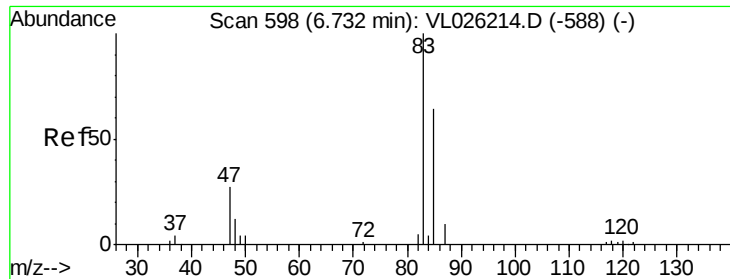
MMDadoda
10/22/2015 4:31:27 PM



#28
Methyl tert-Butyl Ether
Concen: 9.82 ppbv
RT: 5.93 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion: 73 Resp: 1364597
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0





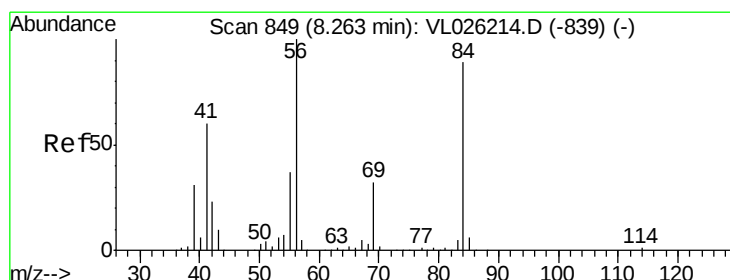
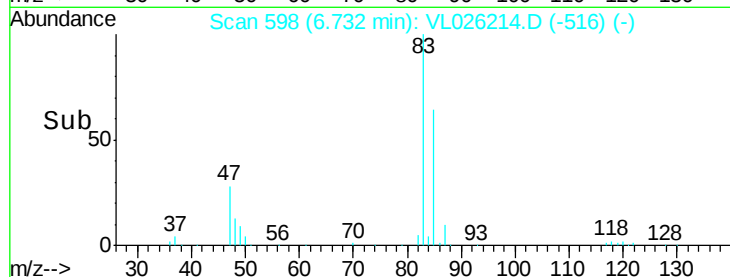
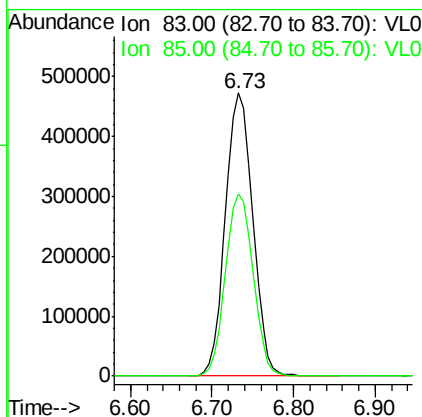
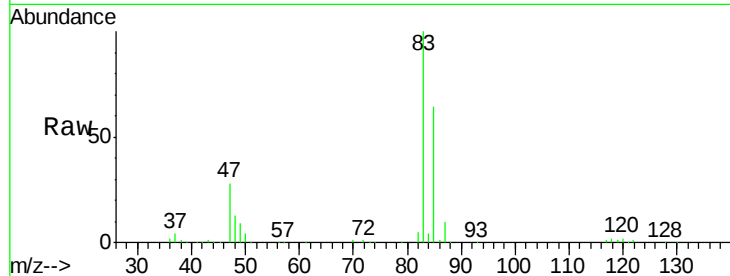
#29
Chloroform
Concen: 9.92 ppbv
RT: 6.73 min Scan# 598
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1099733
Ion Ratio Lower Upper
83 100
85 64.4 51.5 77.3

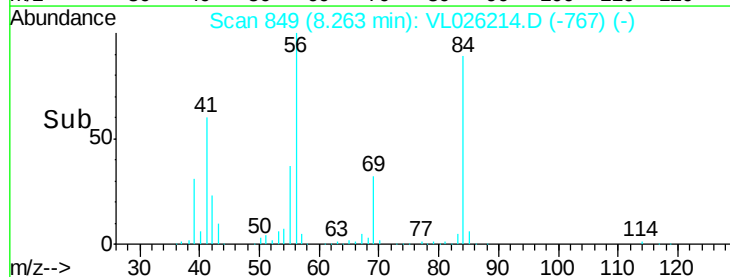
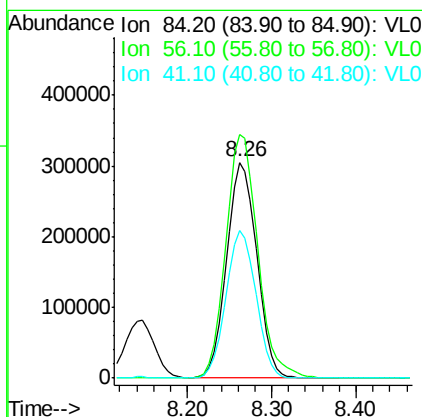
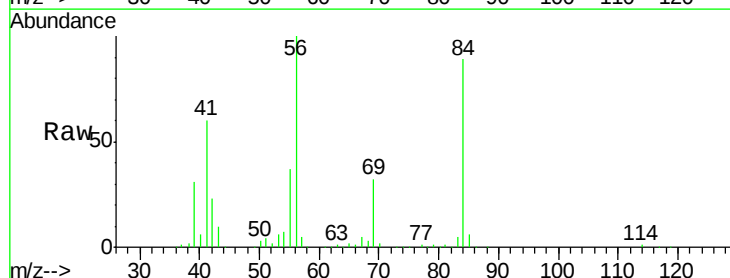
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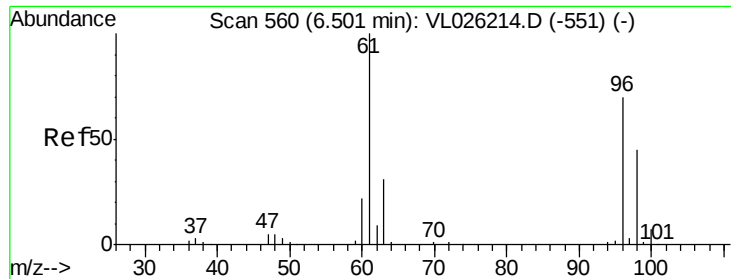
MMDadoda
10/22/2015 4:31:27 PM



#30
Cyclohexane
Concen: 9.68 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion: 84 Resp: 739594
Ion Ratio Lower Upper
84 100
56 120.1 95.9 143.9
41 68.5 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 9.92 ppbv

RT: 6.50 min Scan# 560

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

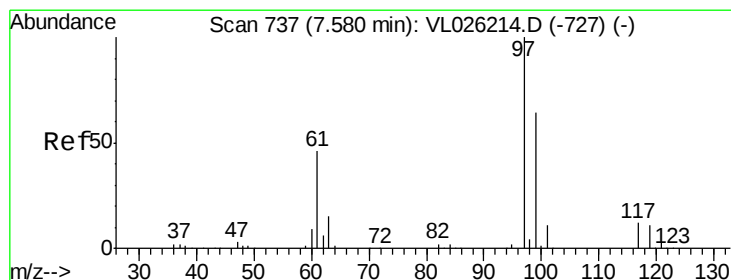
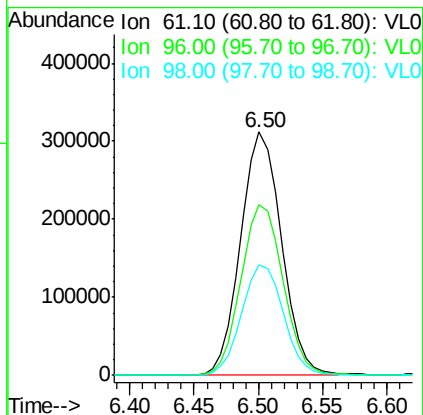
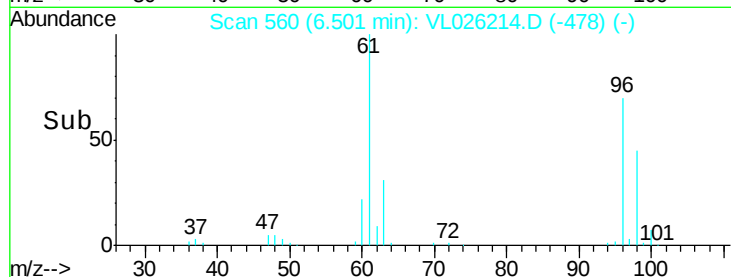
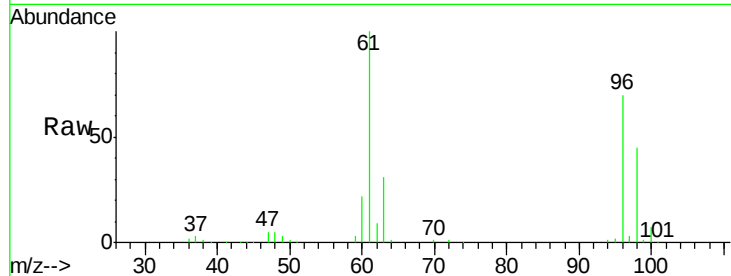
ClientSampleId :

VSTDICCC010

Tot Ion:	61	Resp:	688417
Ion Ratio		Lower	Upper
61	100		
96	70.0	56.0	84.0
98	45.1	36.1	54.1

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#32

1,1,1-Trichloroethane

Concen: 9.58 ppbv

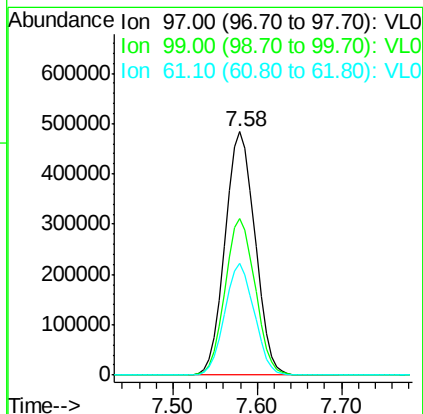
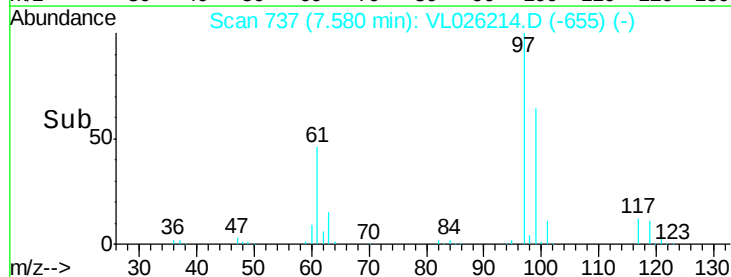
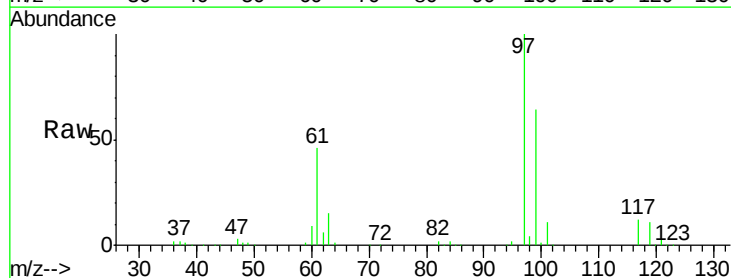
RT: 7.58 min Scan# 737

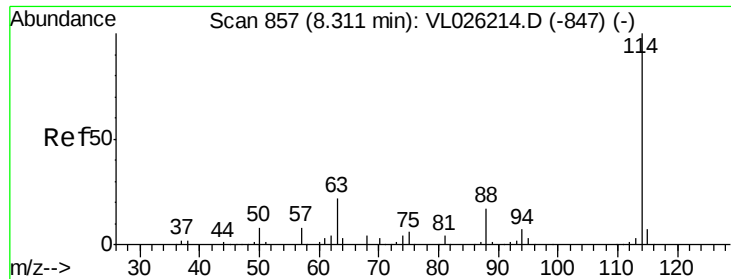
Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Tgt Ion:	97	Resp:	1177741
Ion Ratio		Lower	Upper
97	100		
99	64.2	51.4	77.0
61	45.3	36.2	54.4





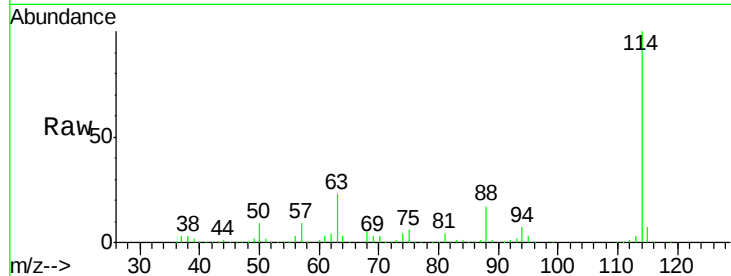
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

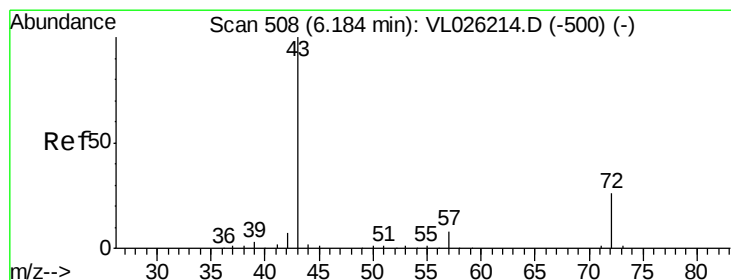
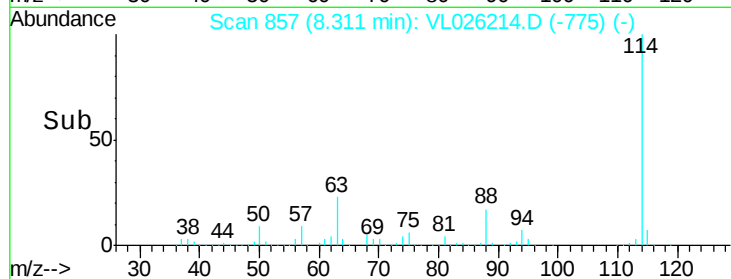
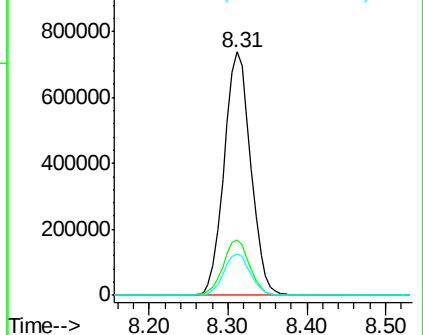
Tot Ion:114 Resp: 1734681
 Ion Ratio Lower Upper
 114 100
 63 22.8 18.2 27.4
 88 16.9 13.5 20.3

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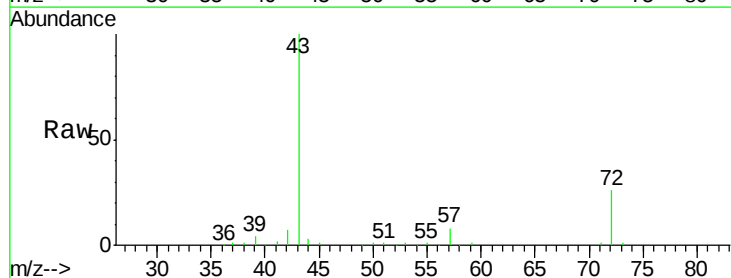


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

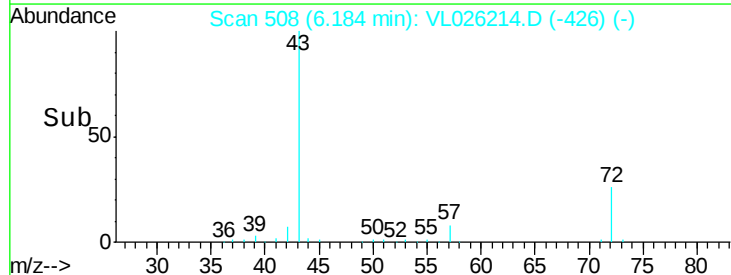
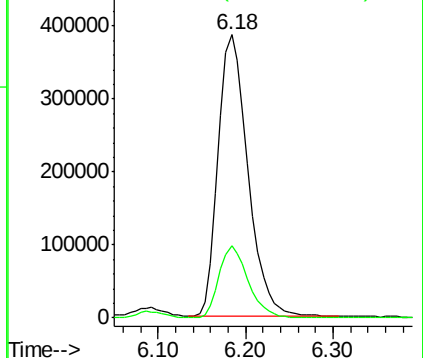


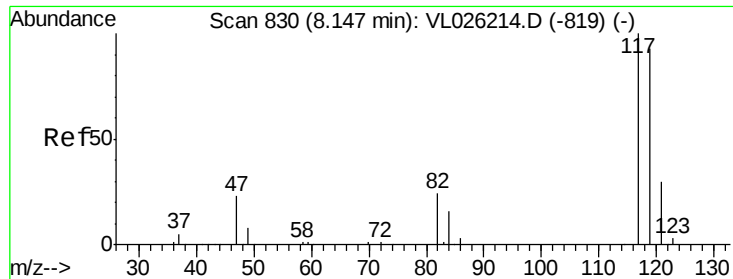
#34
 2-Butanone
 Concen: 9.35 ppbv
 RT: 6.18 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Tgt Ion: 43 Resp: 916649
 Ion Ratio Lower Upper
 43 100
 72 25.1 20.1 30.1



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





#35

Carbon Tetrachloride

Concen: 9.32 ppbv

RT: 8.15 min Scan# 830

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 1232164

Ion Ratio Lower Upper

117 100

119 93.2 74.6 111.8

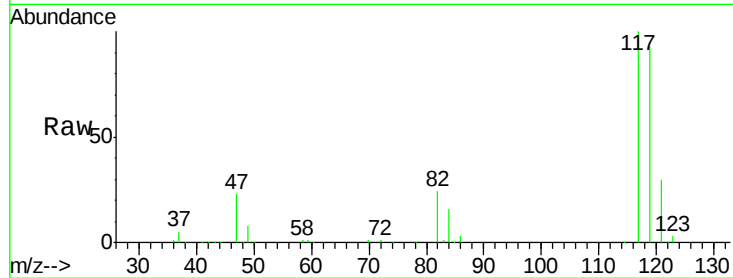
121 30.2 24.2 36.2

Manual Integrations

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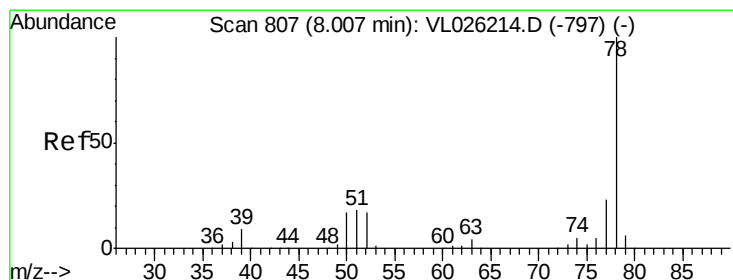
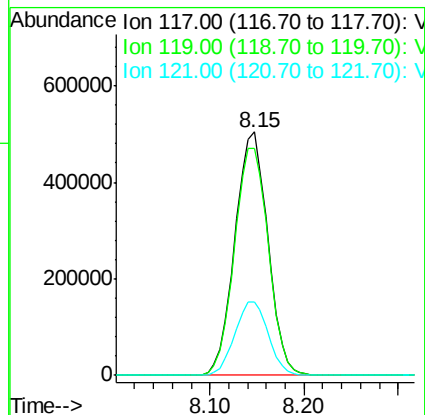
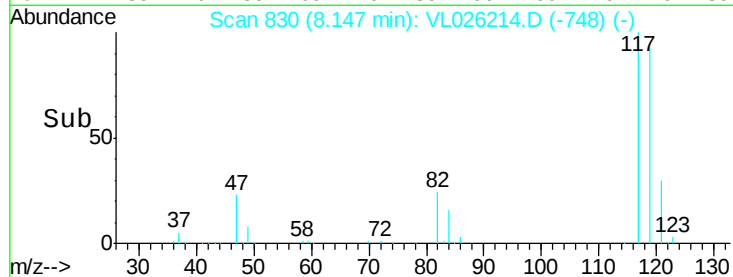
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.37 ppbv

RT: 8.01 min Scan# 807

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

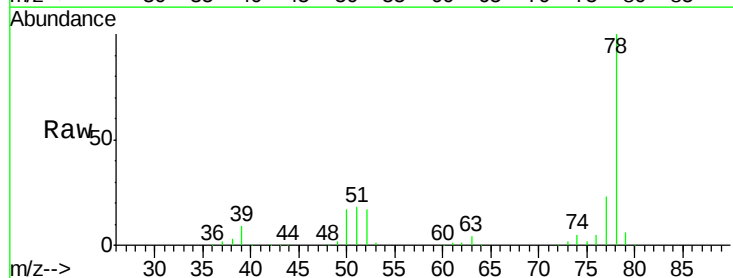
Tgt Ion: 78 Resp: 1655681

Ion Ratio Lower Upper

78 100

77 22.6 18.1 27.1

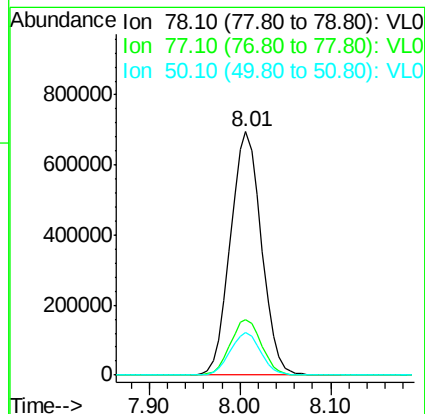
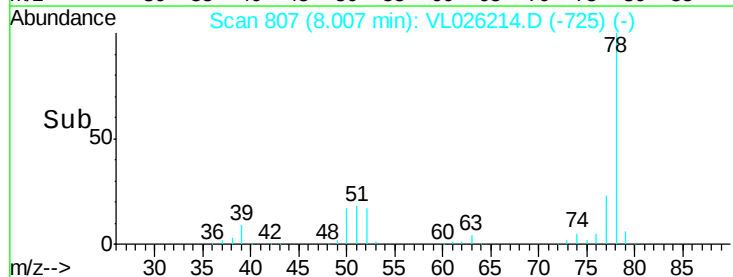
50 17.3 13.8 20.8

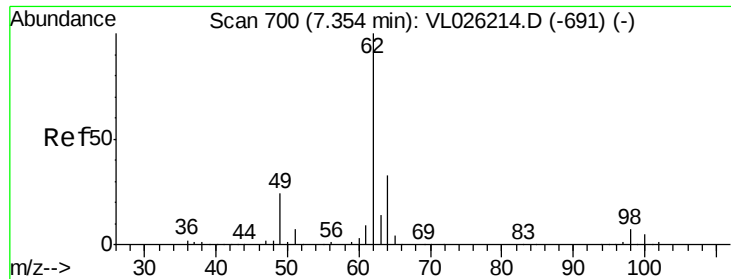


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





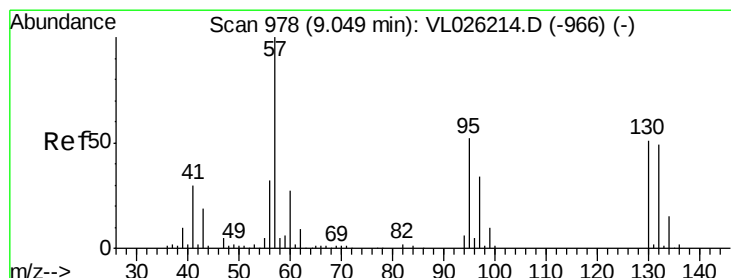
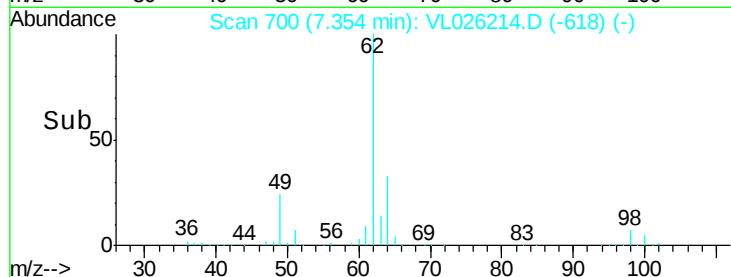
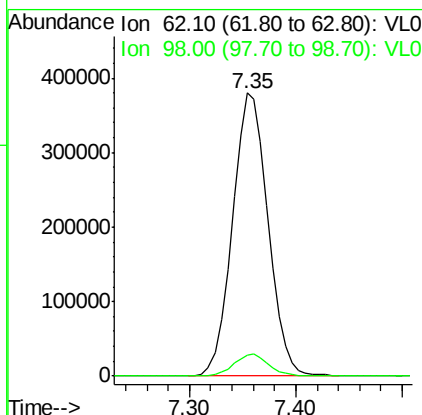
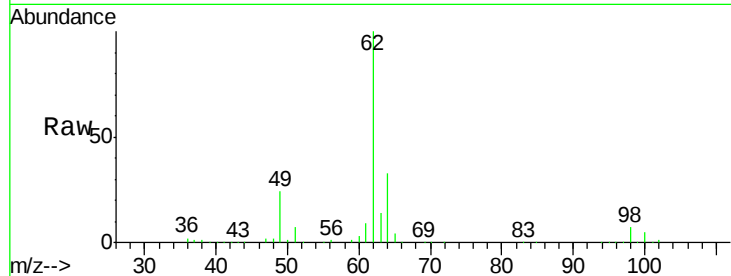
#37
 1,2-Dichloroethane
 Concen: 9.80 ppbv
 RT: 7.35 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.1	9.1

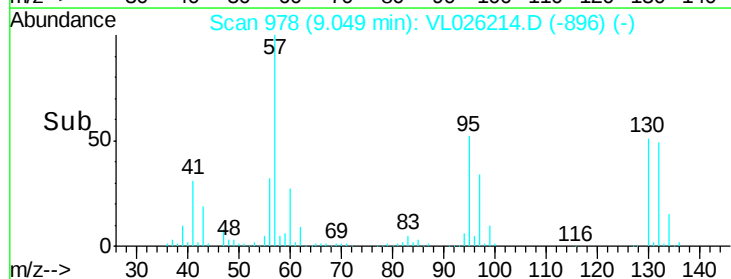
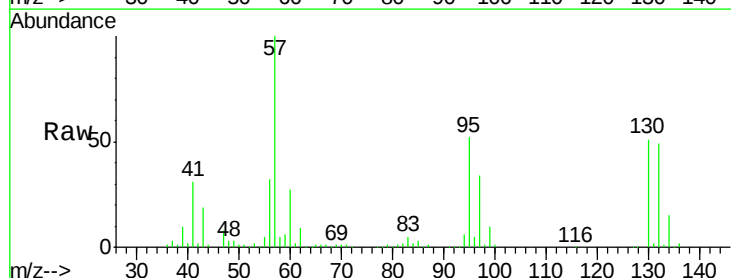
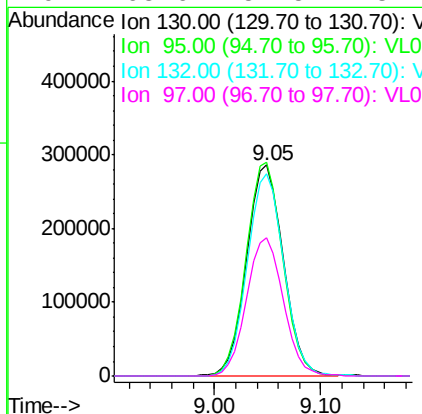
Manual Integrations
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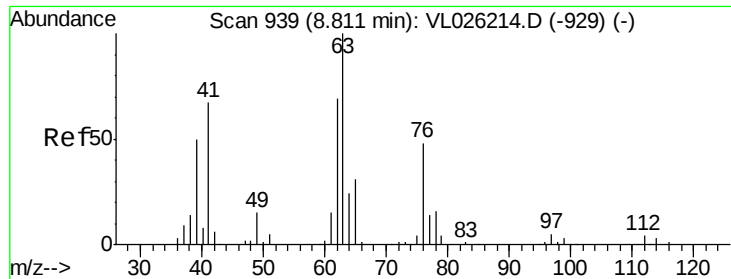
MMDadoda
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#38
 Trichloroethene
 Concen: 8.12 ppbv
 RT: 9.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.2	81.0	121.4
132	95.6	76.5	114.7
97	65.6	52.5	78.7





#39

1,2-Dichloropropane

Concen: 9.43 ppbv

RT: 8.81 min Scan# 939

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 63 Resp: 586034

Ion Ratio Lower Upper

63 100

41 66.5 53.2 79.8

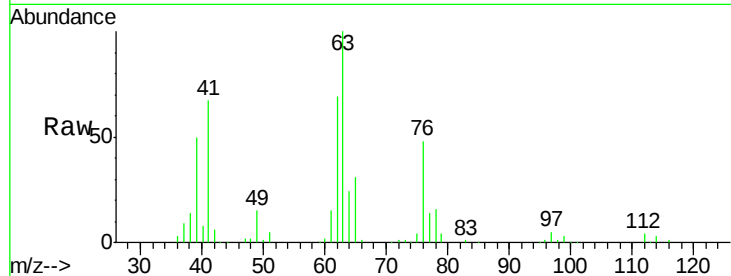
62 69.3 55.4 83.2

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10/22/2015 4:31:27 PM



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

300000

250000

200000

150000

100000

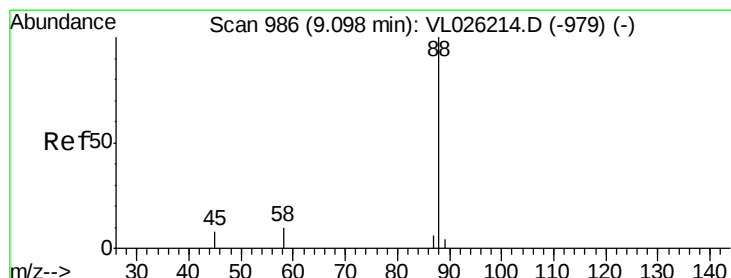
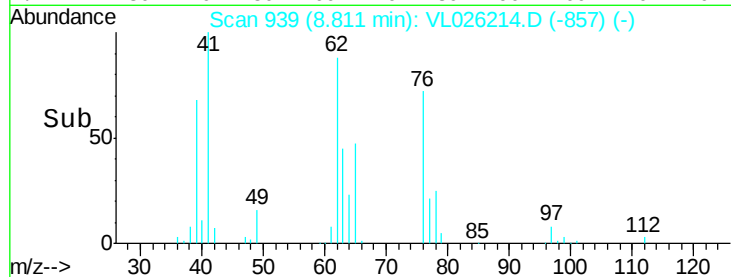
50000

0

8.81

8.70 8.75 8.80 8.85 8.90

Time-->



#40

1,4-Dioxane

Concen: 13.22 ppbv

RT: 9.10 min Scan# 986

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Tgt Ion: 88 Resp: 154307

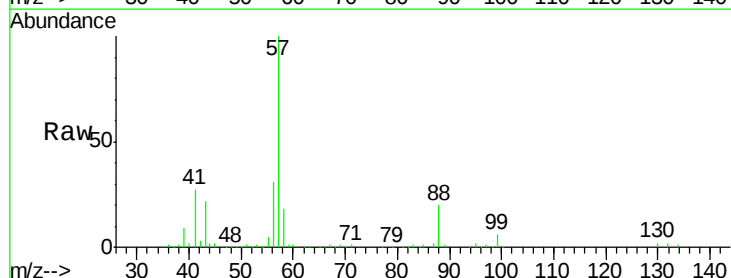
Ion Ratio Lower Upper

88 100

58 144.3 115.4 173.2

43 340.8 272.6 409.0

57 1695.1 1356.1 2034.1



Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

1500000

1000000

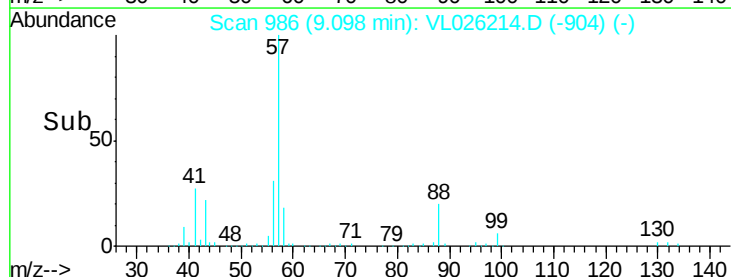
500000

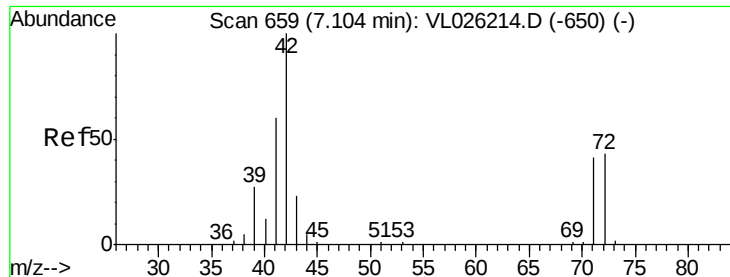
0

9.10

9.00 9.10 9.20

Time-->





#41

Tetrahydrofuran

Concen: 9.49 ppbv

RT: 7.10 min Scan# 659

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

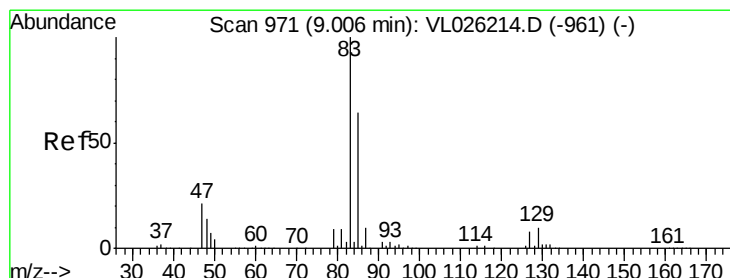
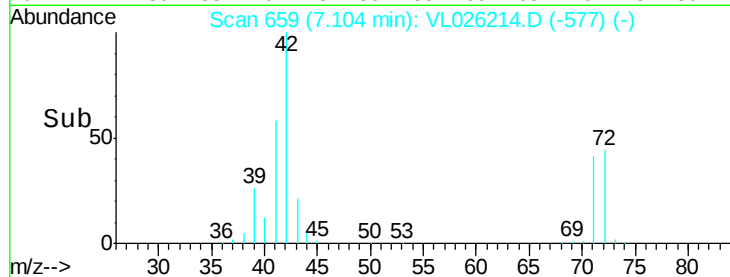
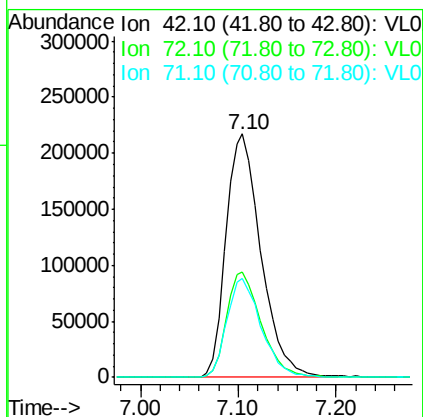
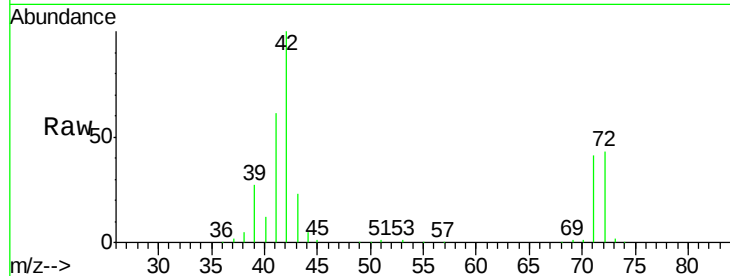
ClientSampleId :

VSTDICCC010

Tot Ion:	42	Resp:	538377
Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.3	51.5
71	40.1	32.1	48.1

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.64 ppbv

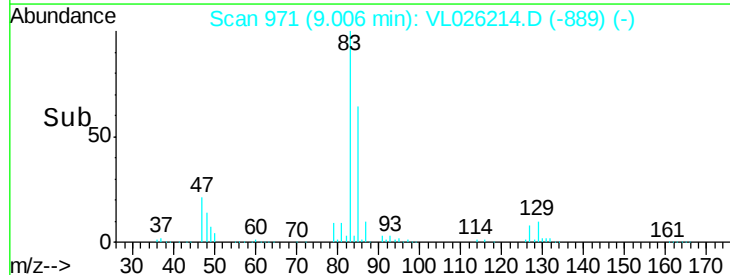
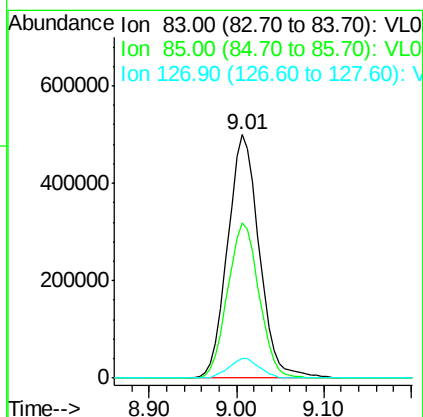
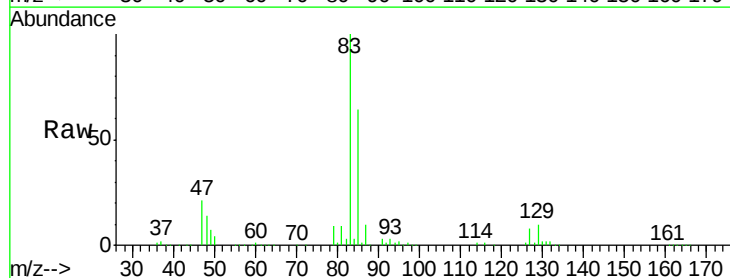
RT: 9.01 min Scan# 971

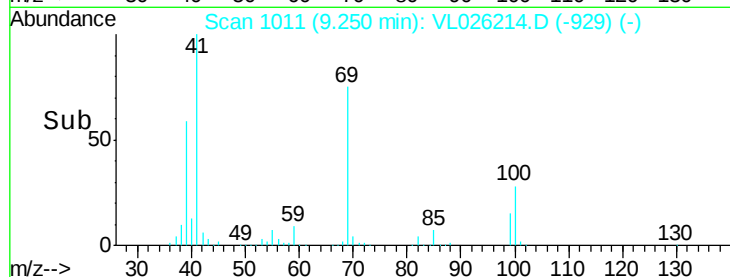
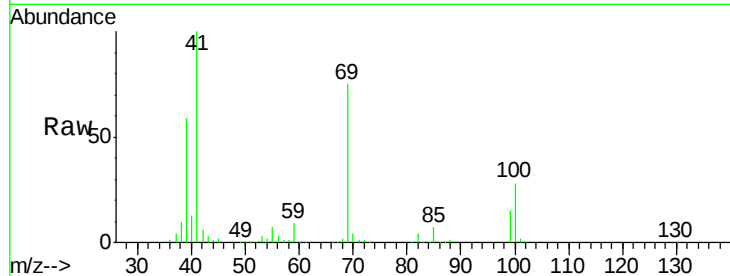
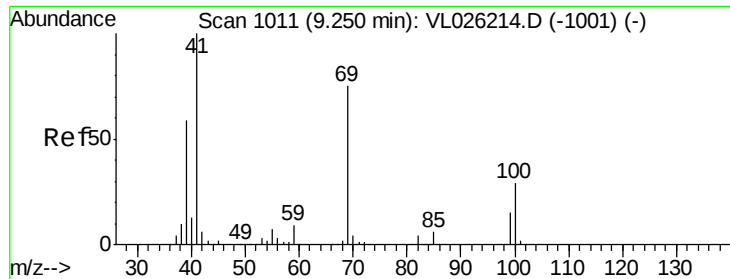
Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Tgt Ion:	83	Resp:	1259409
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	7.8	6.2	9.4





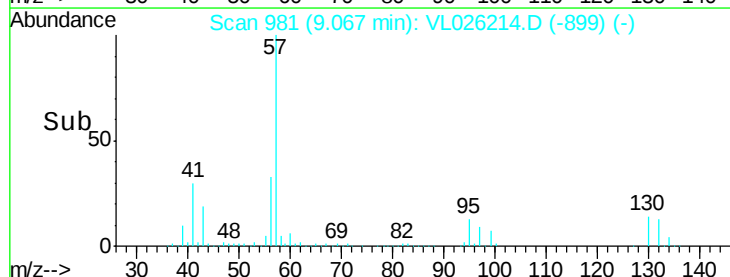
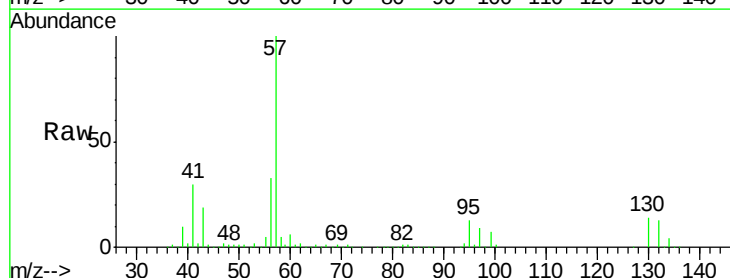
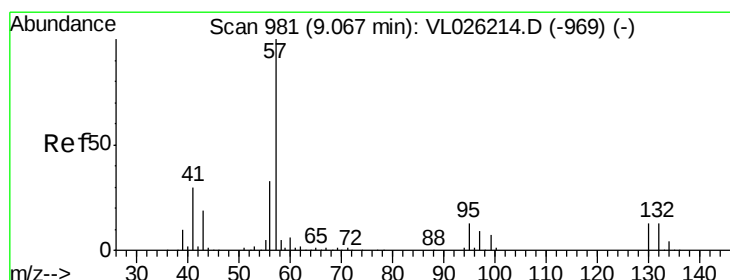
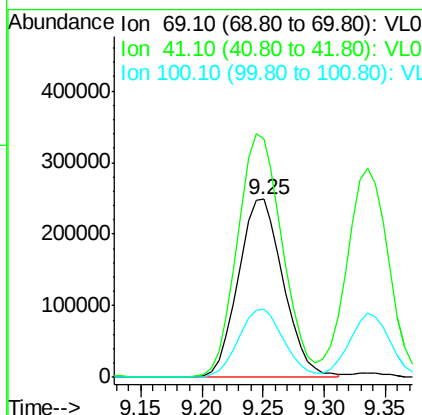
#43
Methvl Methacrylate
Concen: 9.92 ppbv
RT: 9.25 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tot Ion	Ratio	Lower	Upper
69	100		
41	136.8	108.4	162.6
100	38.5	30.6	45.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

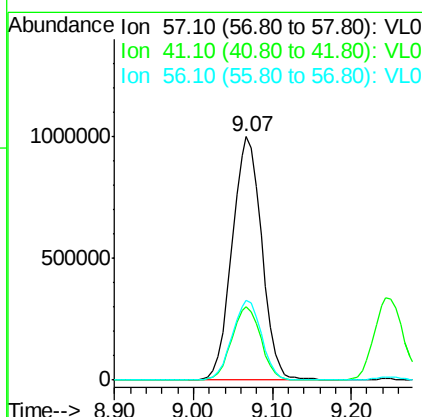
Manual Integrations
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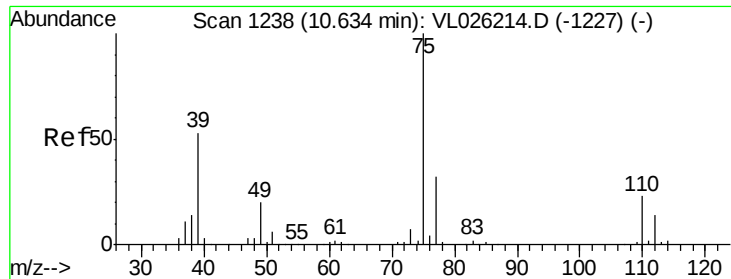
MMDadoda
10/22/2015 4:31:27 PM



#44
2,2,4-Trimethylpentane
Concen: 9.14 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion	Ratio	Lower	Upper
57	100		
41	29.6	23.7	35.5
56	32.4	25.9	38.9





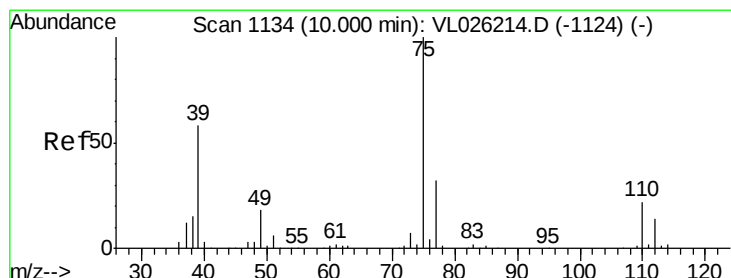
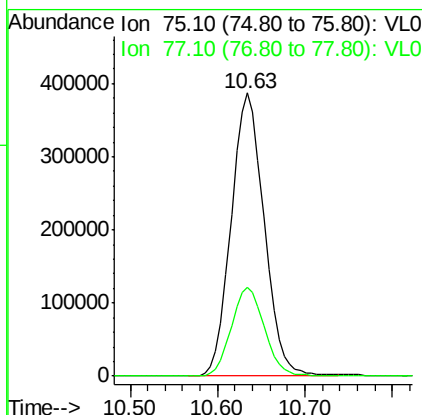
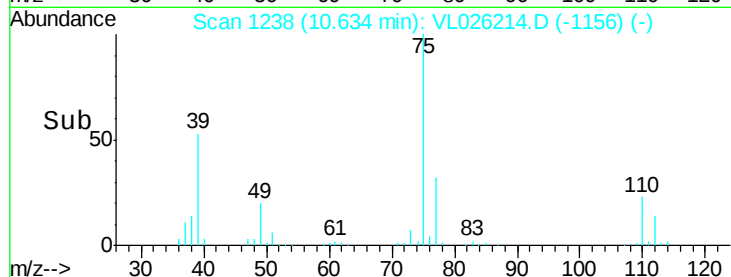
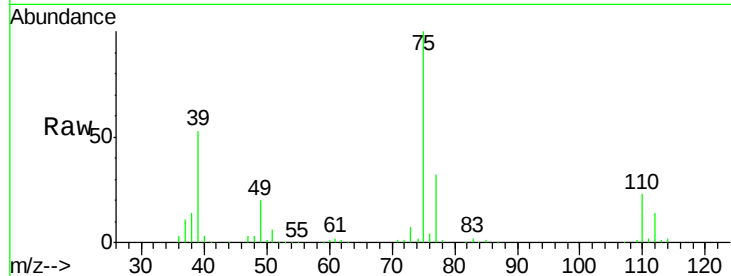
#45
t-1,3-Dichloropropene
Concen: 10.14 ppbv
RT: 10.63 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 75 Resp: 1017787
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

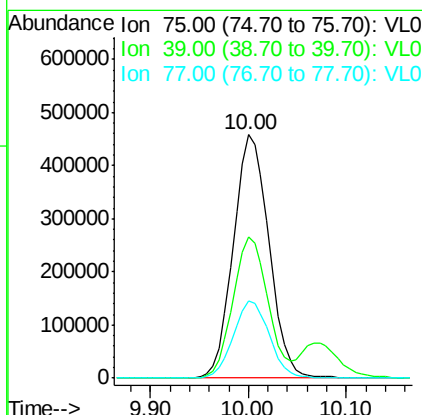
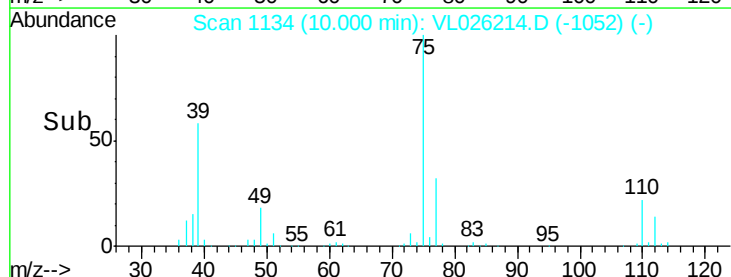
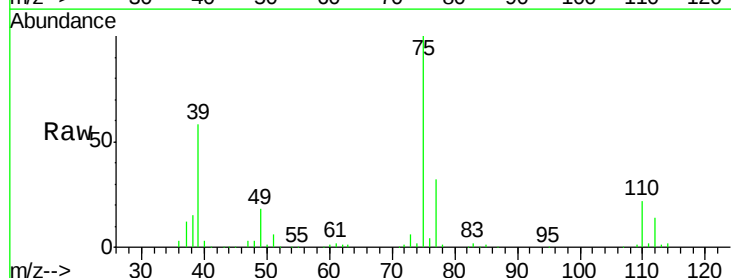
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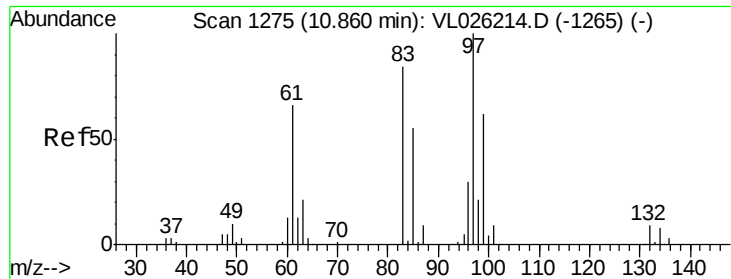
MMDadoda
10/22/2015 4:31:27 PM



#46
cis-1,3-Dichloropropene
Concen: 9.86 ppbv
RT: 10.00 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion: 75 Resp: 1157683
Ion Ratio Lower Upper
75 100
39 57.8 46.2 69.4
77 31.7 25.4 38.0





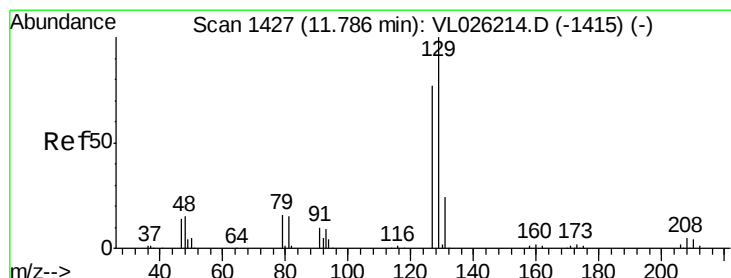
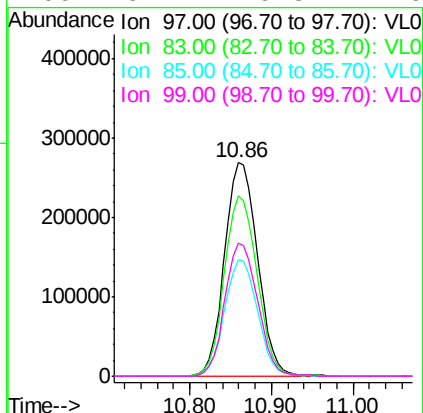
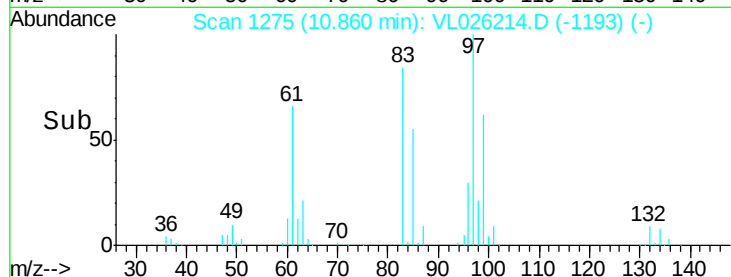
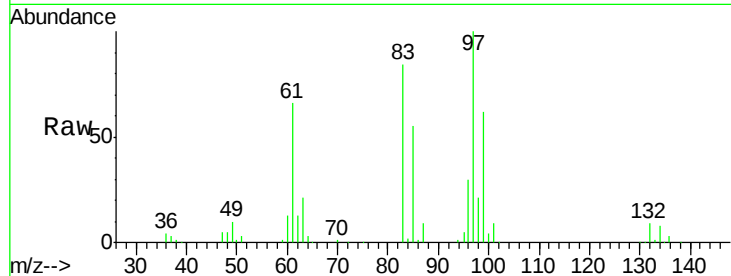
#47
 1,1,2-Trichloroethane
 Concen: 9.68 ppbv
 RT: 10.86 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		75557		
83	84.3	67.4	101.2		
85	54.7	43.8	65.6		
99	62.2	49.8	74.6		

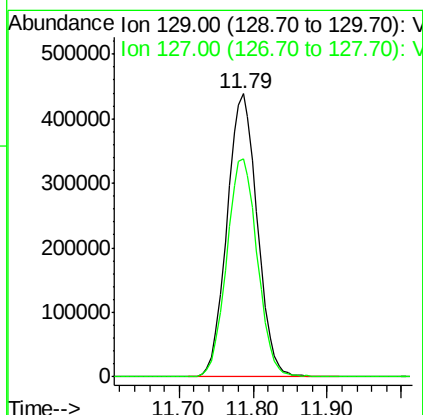
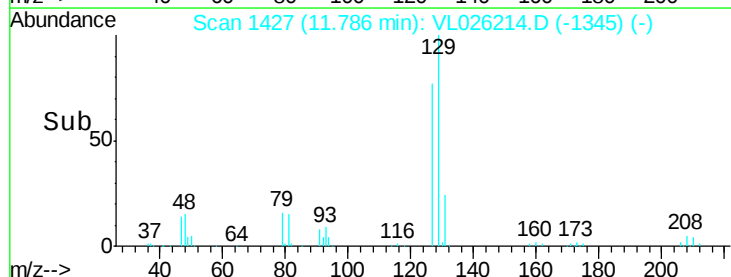
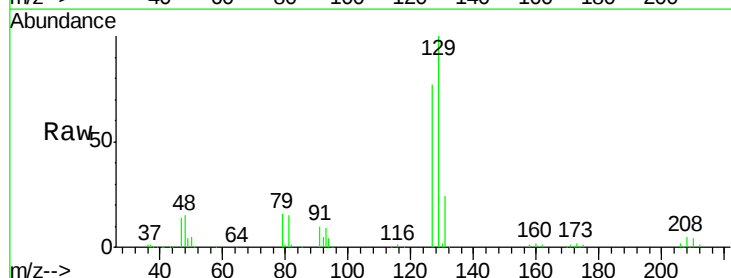
Manual Integrations
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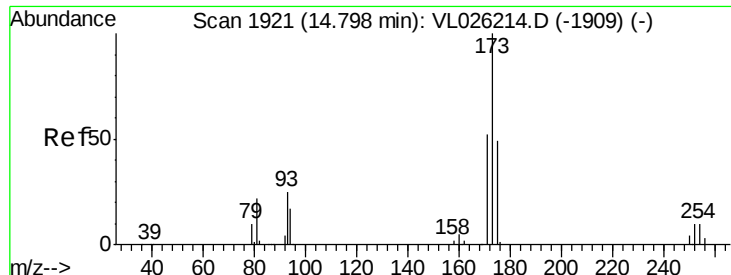
MMDadoda
 10/22/2015 4:31:27 PM



#48
 Dibromochloromethane
 Concen: 9.82 ppbv
 RT: 11.79 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1249135		
127	78.3	39.1	117.5		





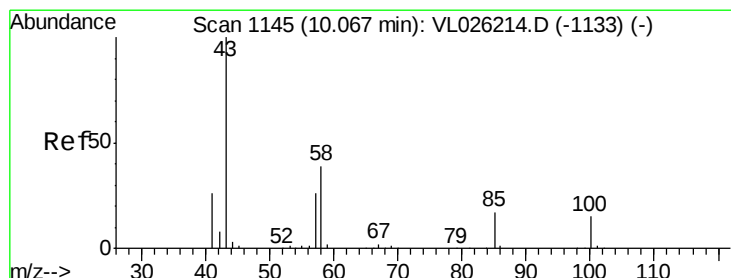
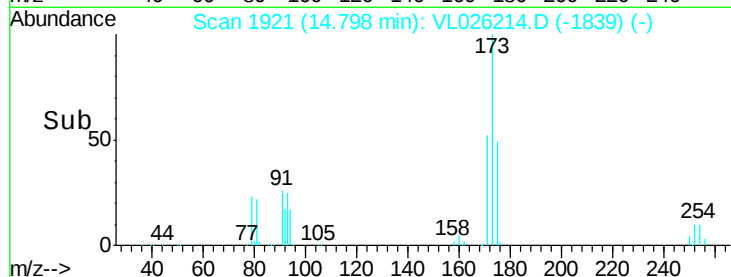
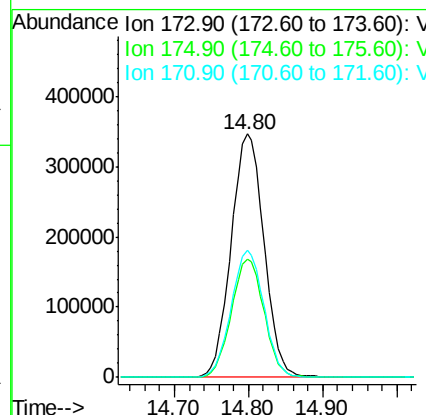
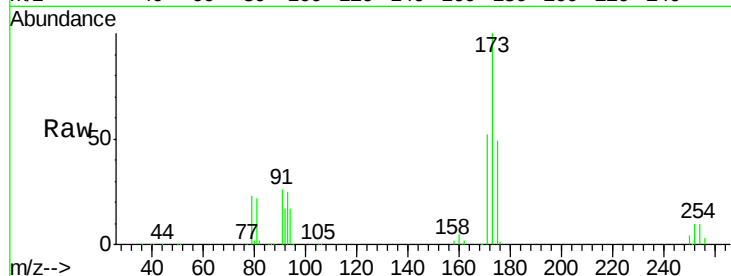
#49
Bromoform
Concen: 9.97 ppbv
RT: 14.80 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:173 Resp: 1071201
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
171 52.0 41.6 62.4

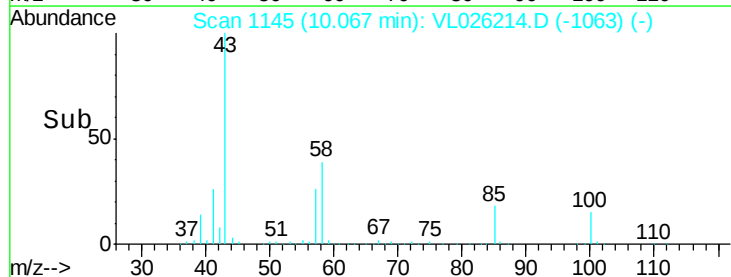
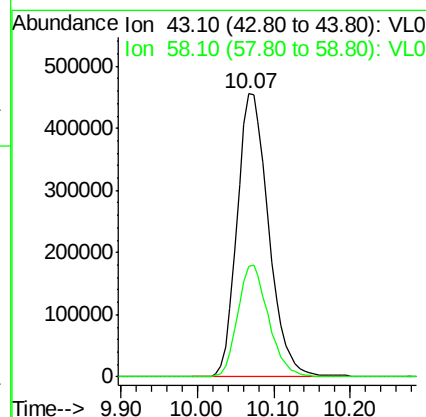
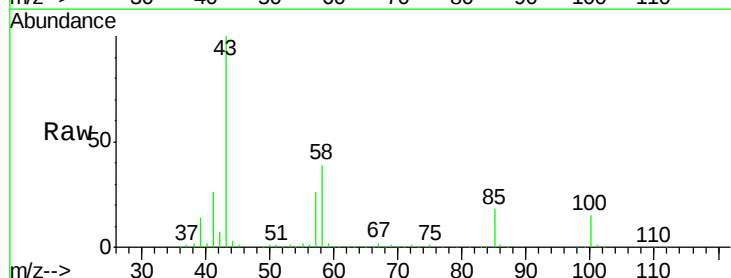
Manual Integrations
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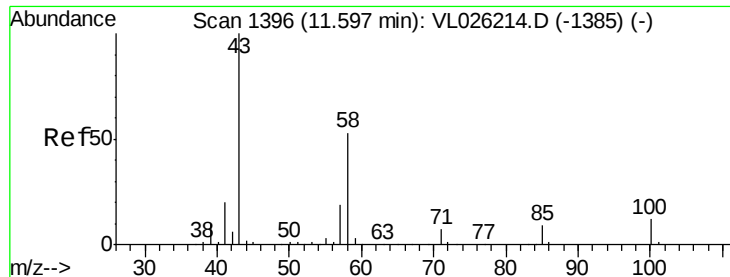
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.85 ppbv
RT: 10.07 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion: 43 Resp: 1303861
Ion Ratio Lower Upper
43 100
58 38.9 31.1 46.7





#51

2-Hexanone

Concen: 10.14 ppbv

RT: 11.60 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1253064

Ion Ratio Lower Upper

43 100

58 54.0 43.2 64.8

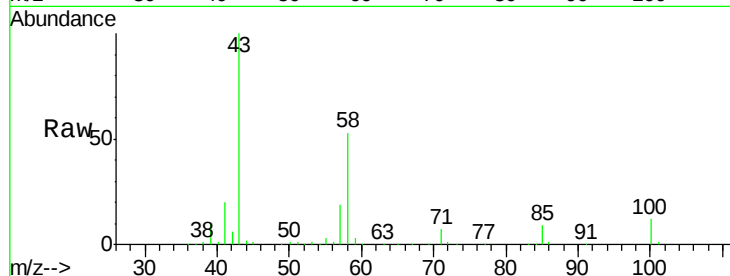
98 0.0 0.0 0.0

Manual Integrations

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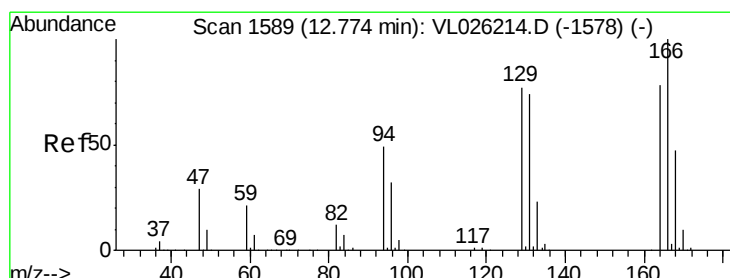
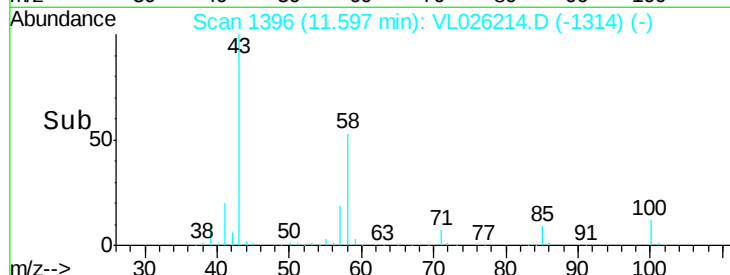
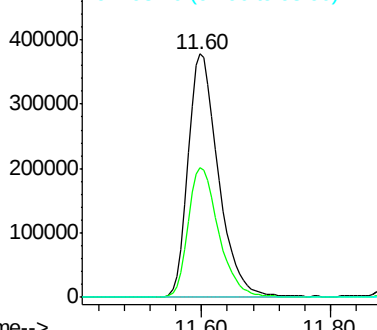


Abundance

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: 7.65 ppbv

RT: 12.77 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Tgt Ion: 164 Resp: 775303

Ion Ratio Lower Upper

164 100

166 127.9 102.3 153.5

129 97.8 78.2 117.4

131 94.6 75.7 113.5

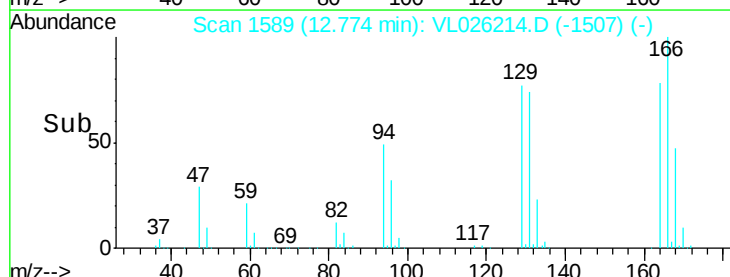
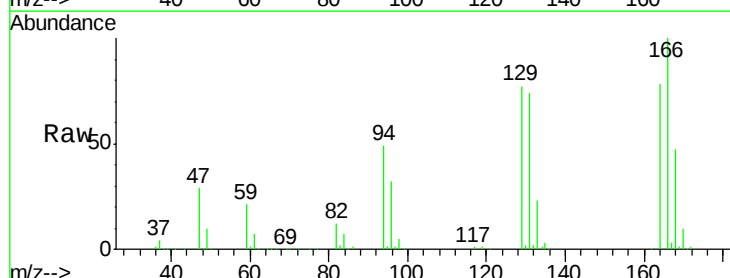
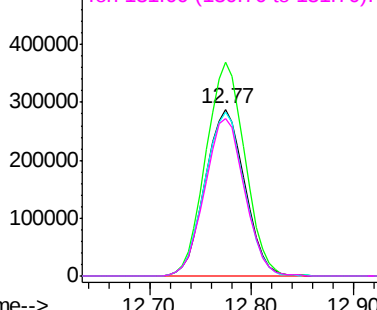
Abundance

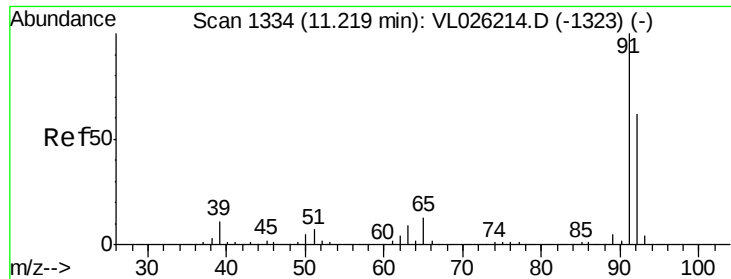
Ion 163.90 (163.60 to 164.60): V

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: 9.37 ppbv

RT: 11.22 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2252637

Ion Ratio Lower Upper

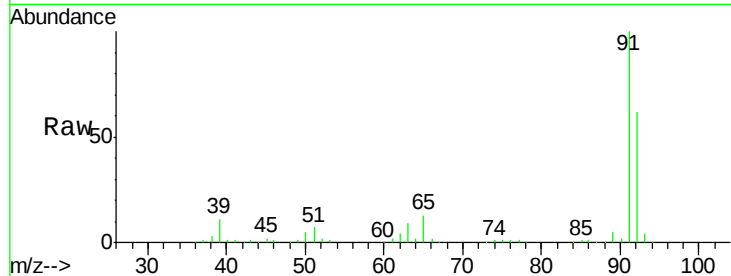
91 100

92 61.5 49.2 73.8

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10/22/2015 4:31:27 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1000000

800000

600000

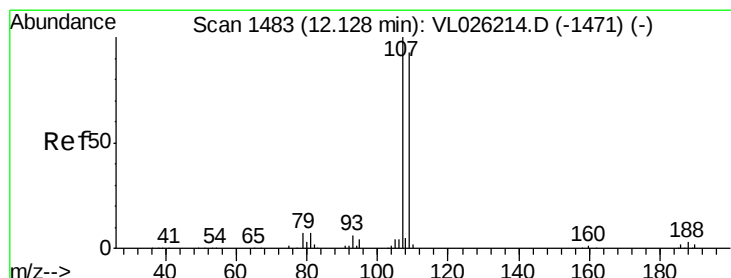
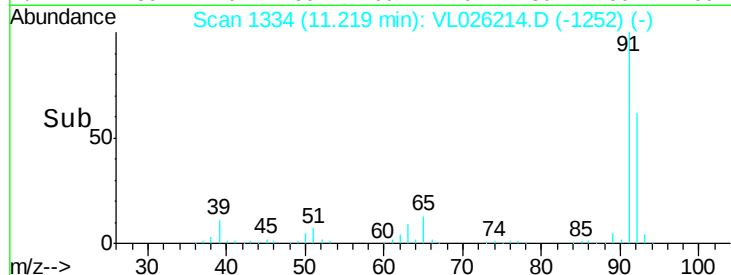
400000

200000

0

11.10 11.20 11.30 11.40

Time-->



#54

1,2-Dibromoethane

Concen: 9.65 ppbv

RT: 12.13 min Scan# 1483

Delta R.T. 0.00 min

Lab File: VL026214.D

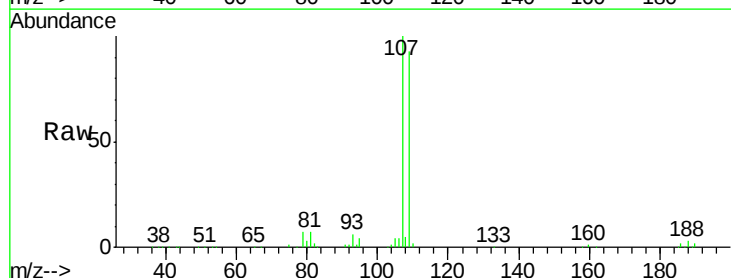
Acq: 20 Oct 2015 17:10

Tgt Ion: 107 Resp: 1165987

Ion Ratio Lower Upper

107 100

109 93.4 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

400000

300000

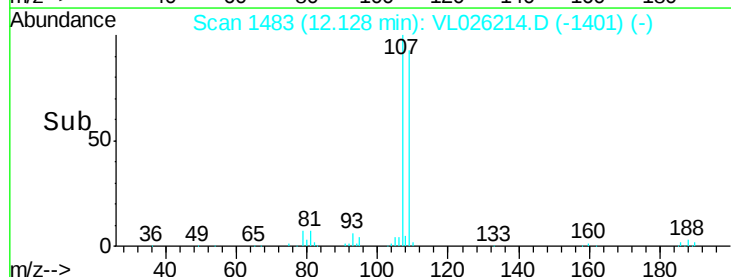
200000

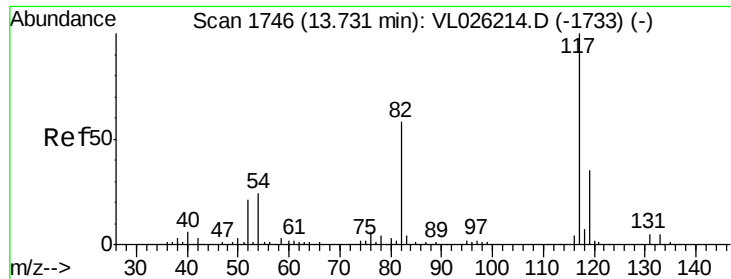
100000

0

12.00 12.10 12.20

Time-->





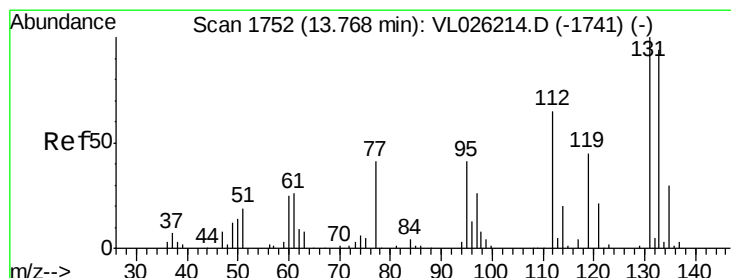
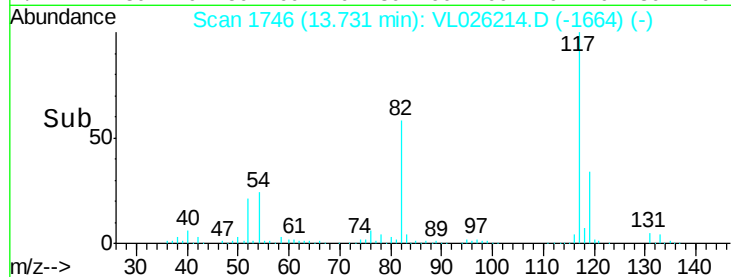
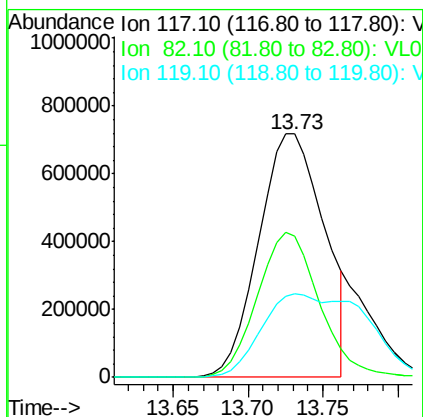
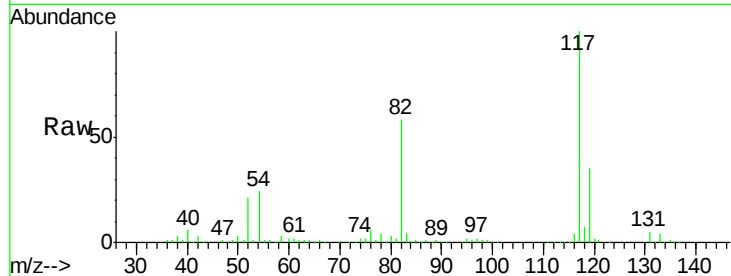
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.73 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 2171965
Ion Ratio Lower Upper
117 100
82 57.3 45.8 68.8
119 56.2 45.0 67.4

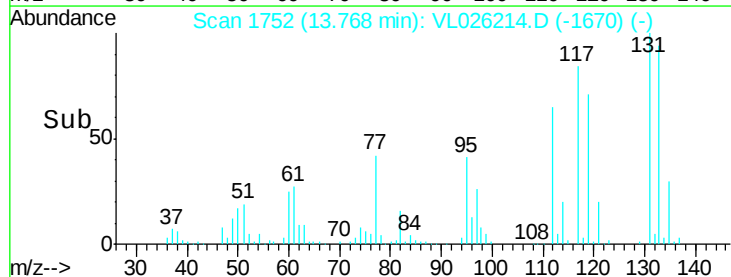
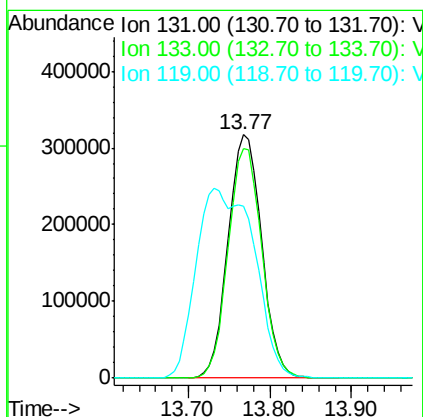
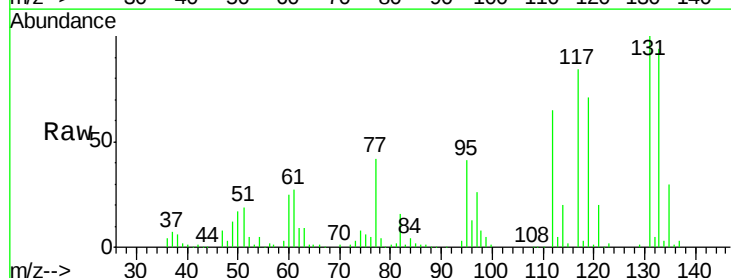
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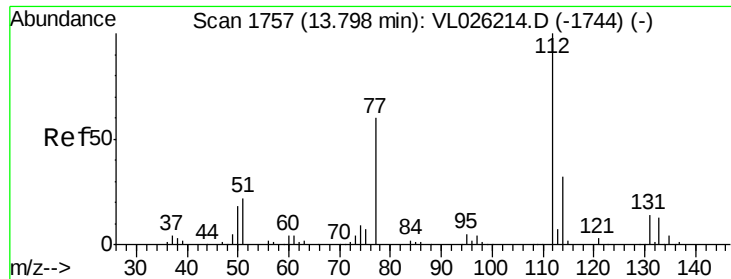
MMDadoda
10/22/2015 4:31:27 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.68 ppbv
RT: 13.77 min Scan# 1752
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion:131 Resp: 904011
Ion Ratio Lower Upper
131 100
133 94.9 75.9 113.9
119 135.0 108.0 162.0





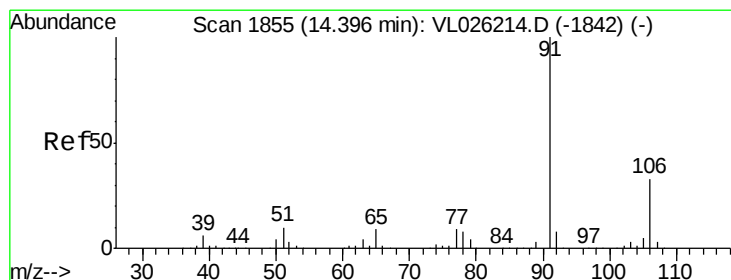
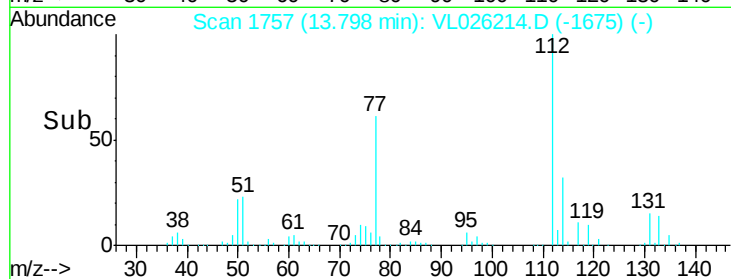
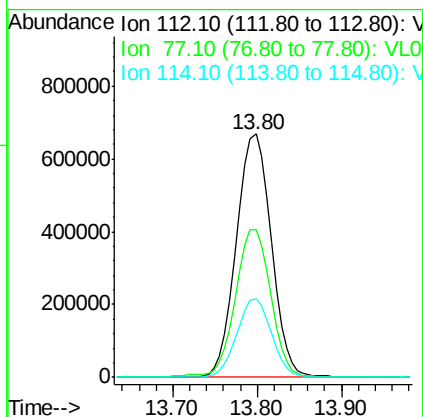
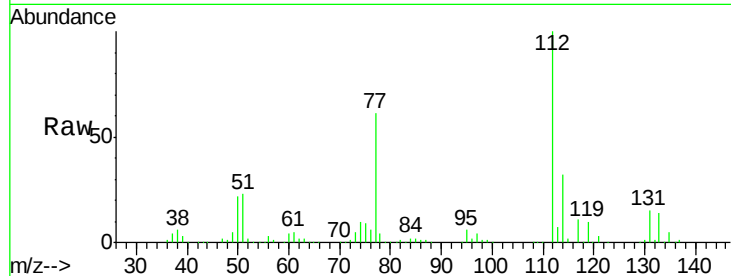
#57
Chlorobenzene
Concen: 9.07 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	60.5	48.4	72.6
114	32.2	29.0	35.4

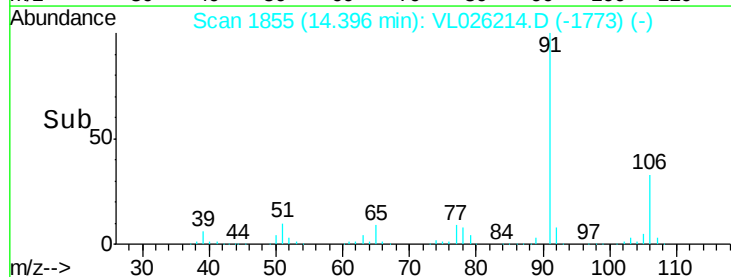
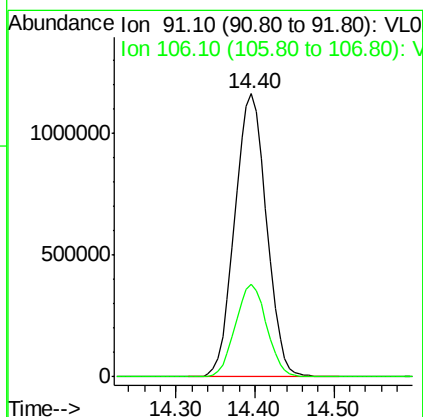
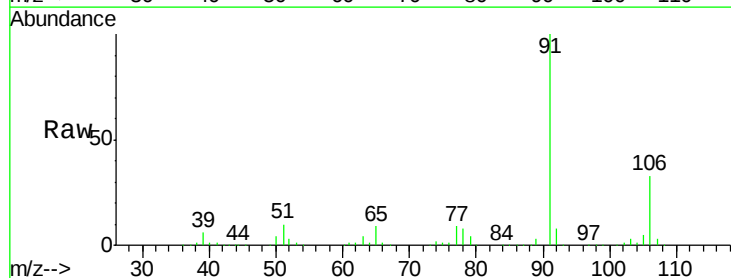
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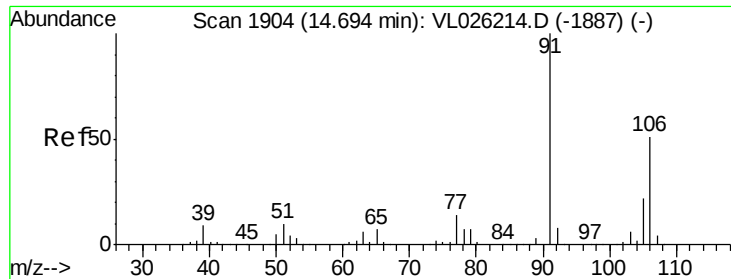
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#58
Ethyl Benzene
Concen: 9.26 ppbv
RT: 14.40 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	26.1	39.1





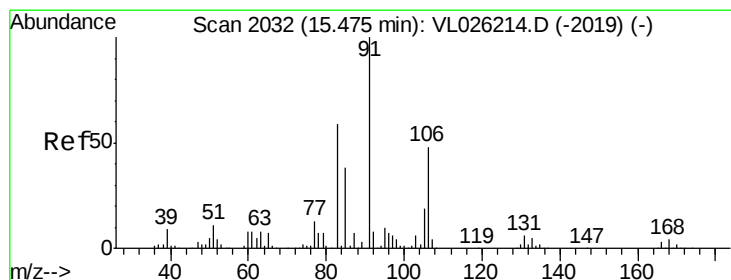
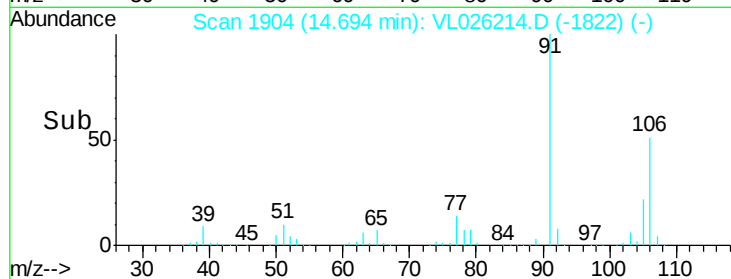
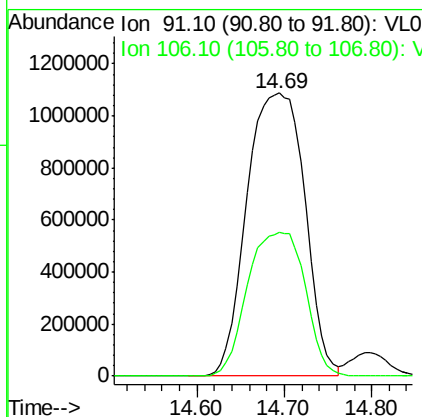
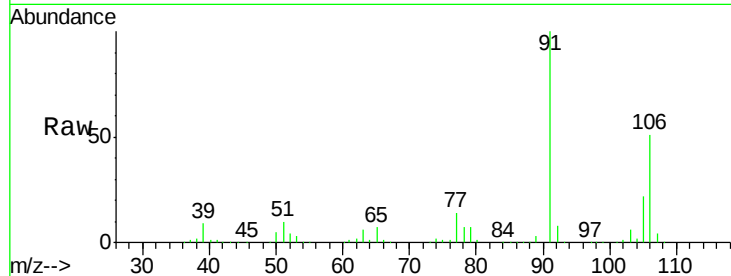
#59
m/p-Xylene
Concen: 18.14 ppbv
RT: 14.69 min Scan# 1904
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 4999278
Ion Ratio Lower Upper
91 100
106 50.8 40.6 61.0

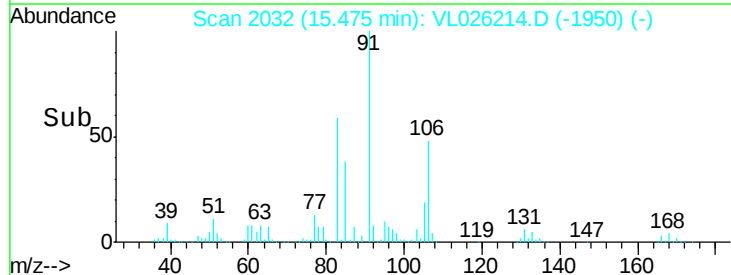
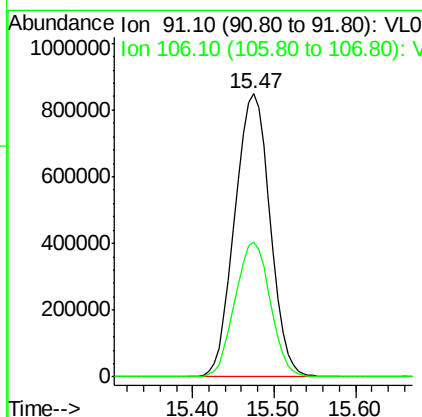
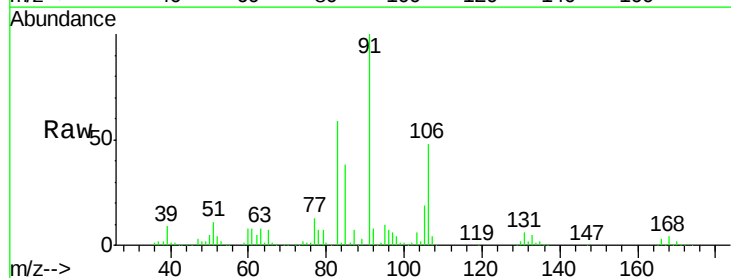
Manual Integrations
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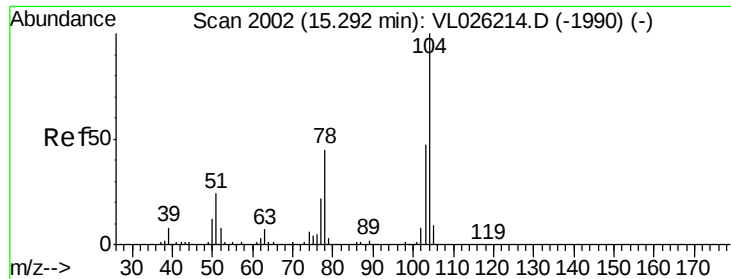
MMDadoda
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#60
o-Xylene
Concen: 8.86 ppbv
RT: 15.47 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion: 91 Resp: 2552976
Ion Ratio Lower Upper
91 100
106 47.7 23.8 71.5





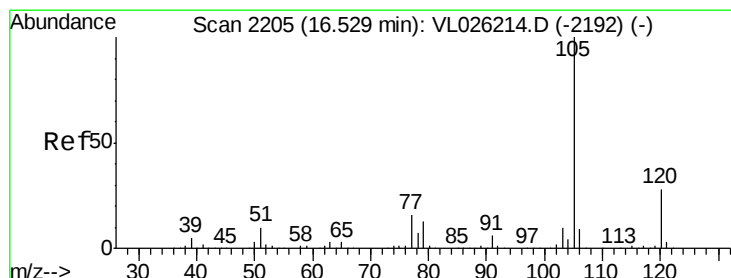
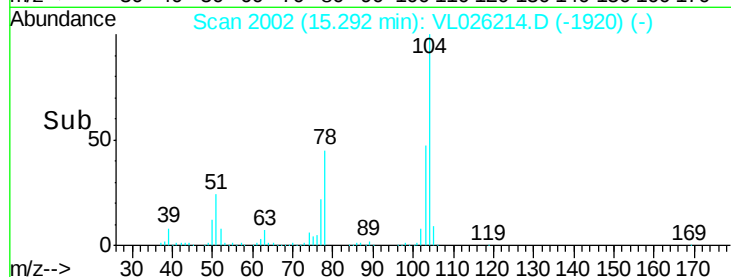
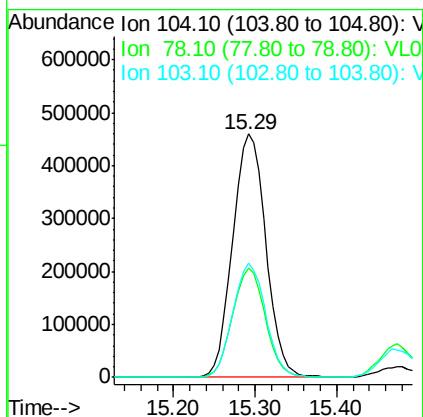
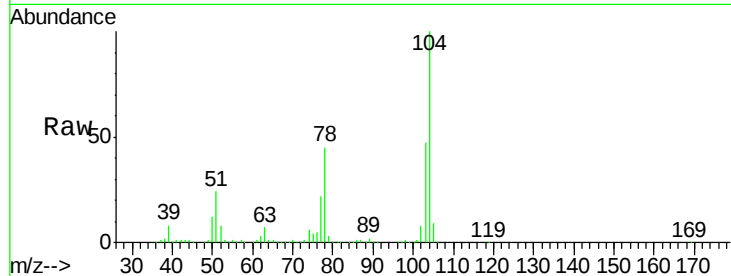
#61
Stvrene
Concen: 9.97 ppbv
RT: 15.29 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:104 Resp: 1299403
Ion Ratio Lower Upper
104 100
78 44.1 35.3 52.9
103 46.2 37.0 55.4

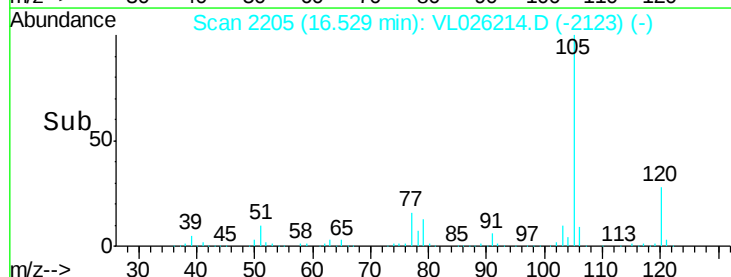
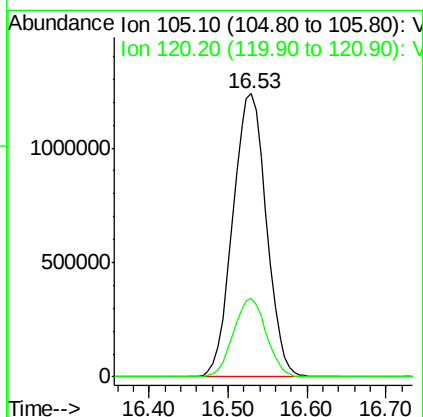
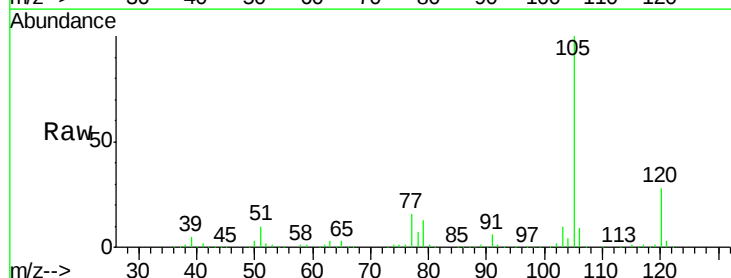
Manual Integrations
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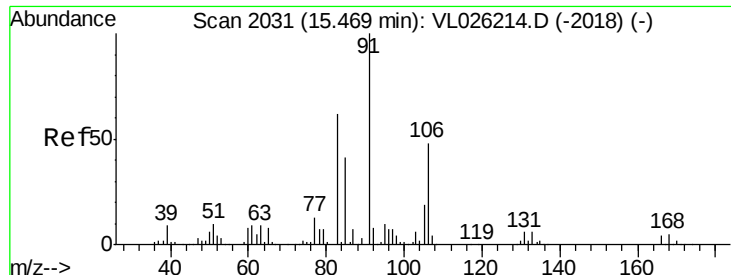
MMDadoda
10/22/2015 4:31:27 PM



#62
Isopropylbenzene
Concen: 9.14 ppbv
RT: 16.53 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion:105 Resp: 3664559
Ion Ratio Lower Upper
105 100
120 27.3 21.8 32.8





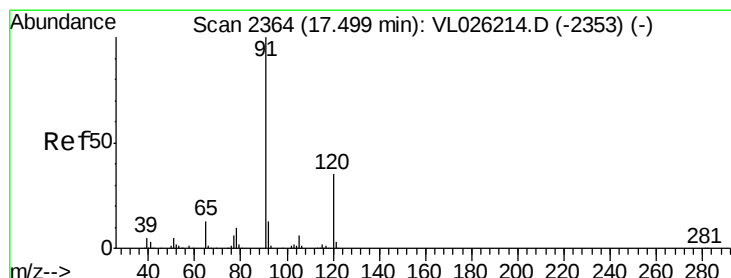
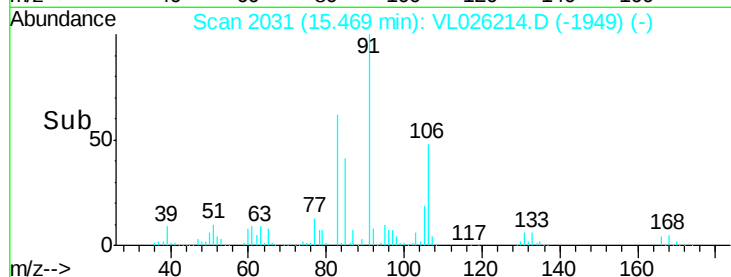
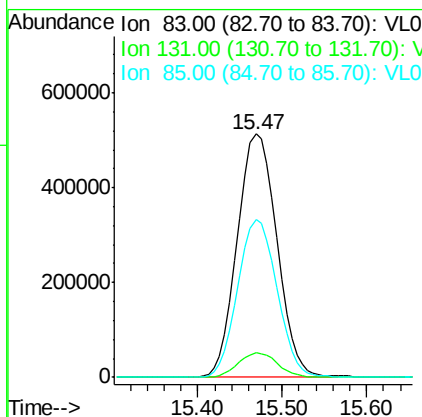
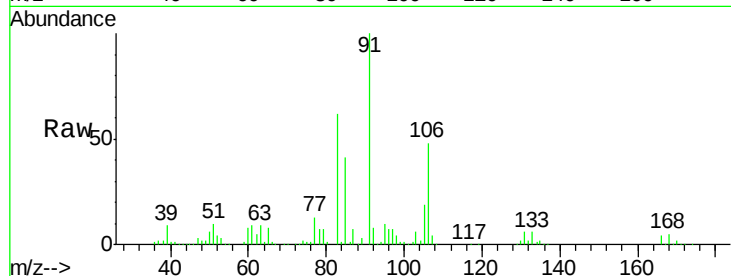
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.65 ppbv
 RT: 15.47 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	83	Resp	1648629
Ion Ratio	100	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.6	32.3	96.9

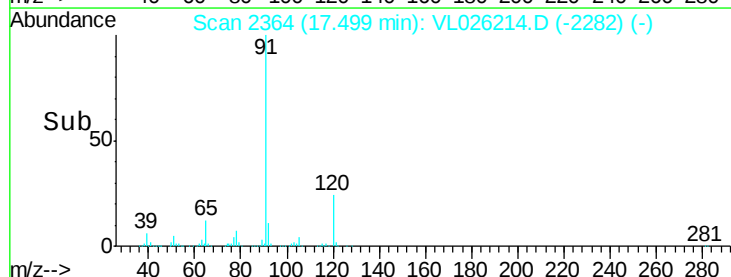
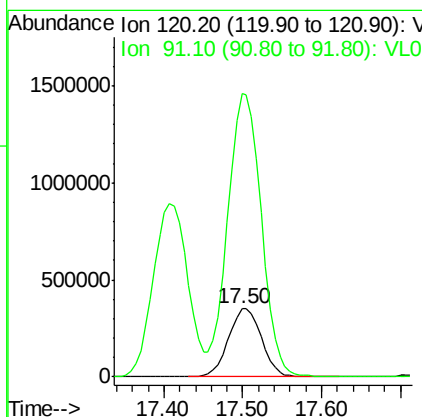
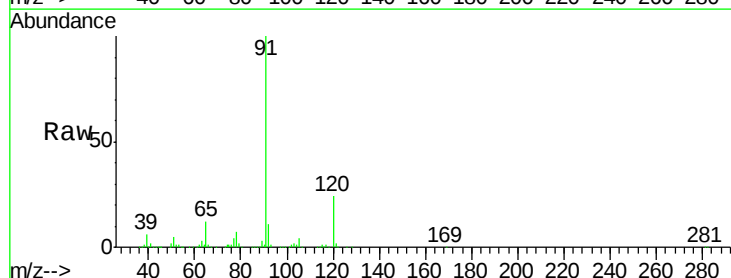
Manual Integrations
 APPROVED

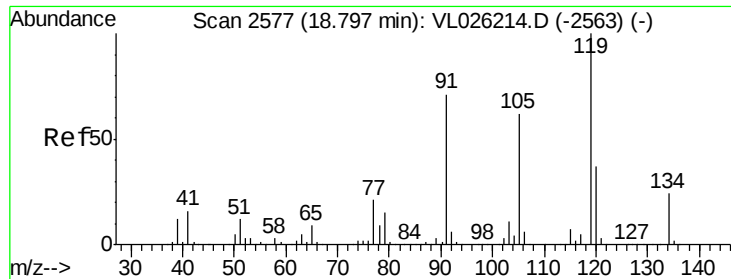
MMDadoda
 10/22/2015 4:31:27 PM



#64
 n-propylbenzene
 Concen: 9.30 ppbv
 RT: 17.50 min Scan# 2364
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Tgt Ion	120	Resp	1024791
Ion Ratio	100	Lower	Upper
120	100		
91	421.0	331.7	497.5





#65

tert-Butylbenzene

Concen: 8.74 ppbv

RT: 18.80 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:119 Resp: 3196393

Ion Ratio Lower Upper

119 100

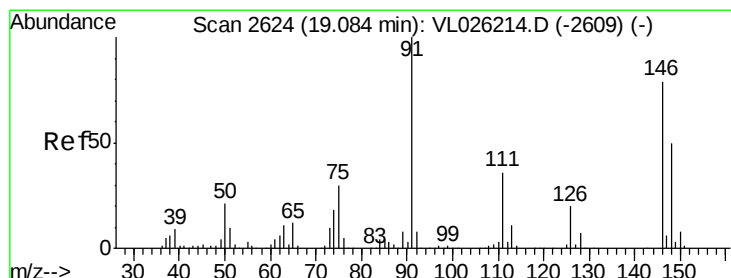
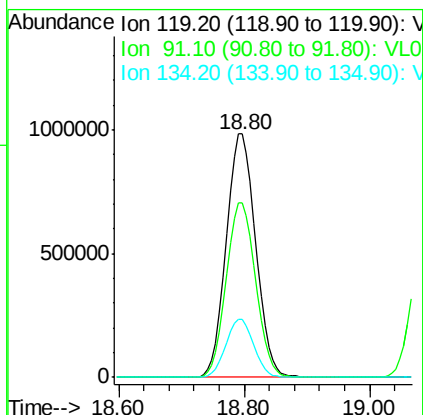
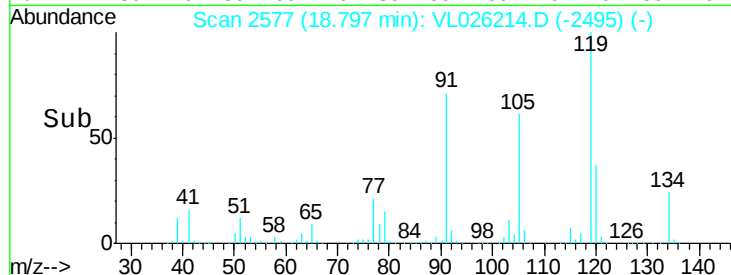
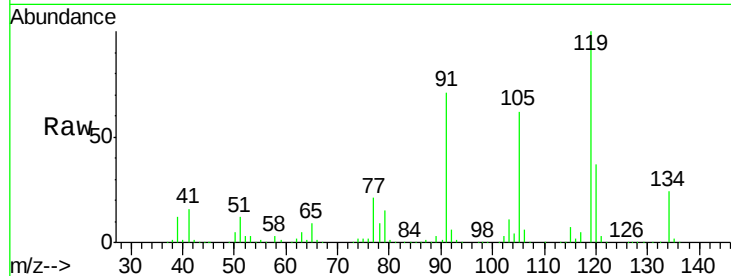
91 71.9 57.5 86.3

134 22.6 18.1 27.1

Manual Integrations
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#66

Benzyl Chloride

Concen: 9.83 ppbv

RT: 19.08 min Scan# 2624

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

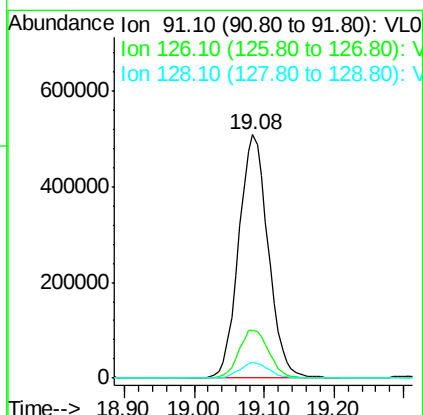
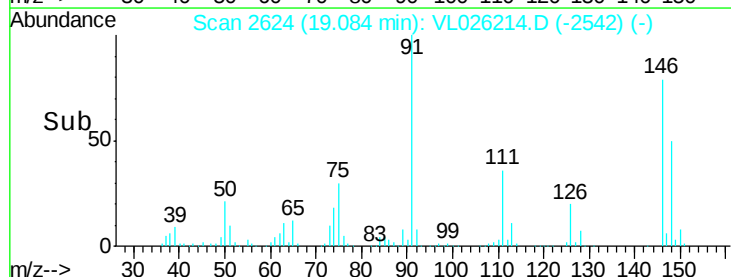
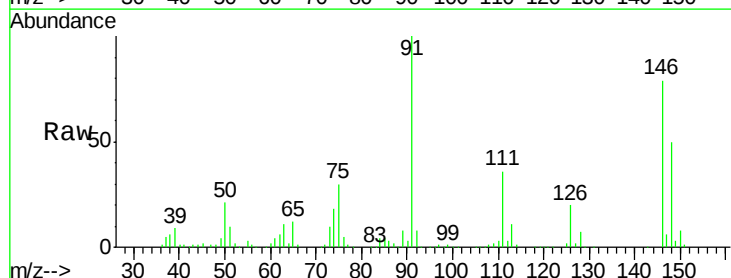
Tgt Ion: 91 Resp: 1484683

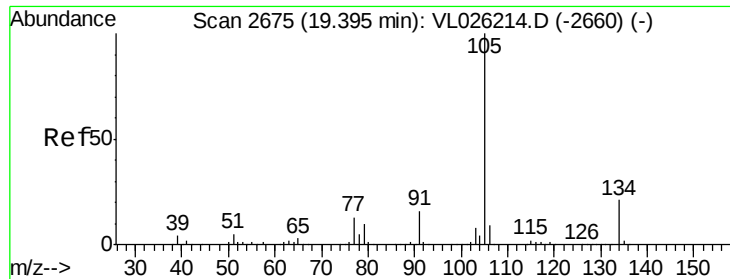
Ion Ratio Lower Upper

91 100

126 20.2 16.2 24.2

128 6.4 5.1 7.7





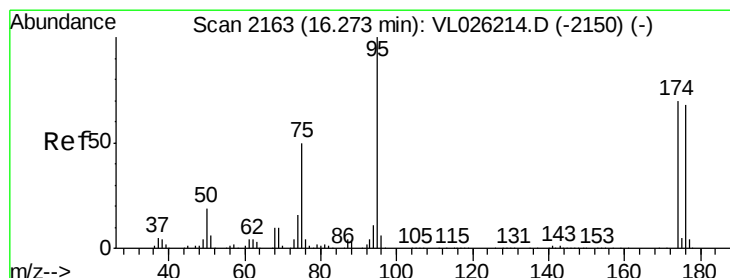
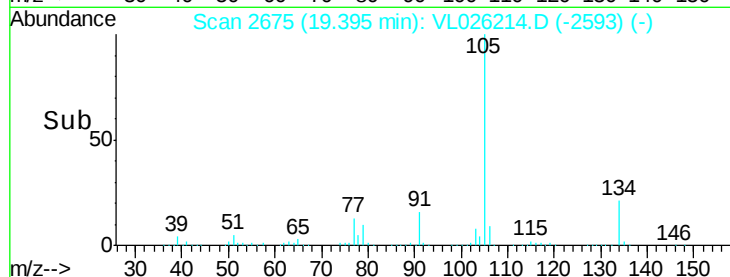
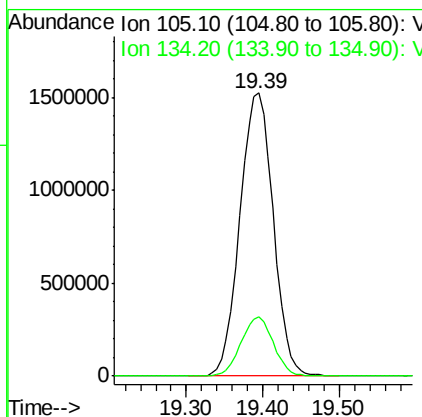
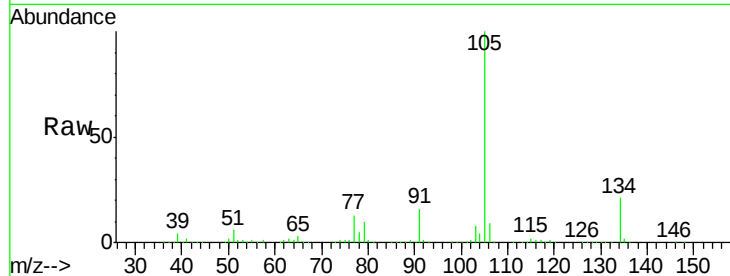
#67
 sec-Butylbenzene
 Concen: 9.07 ppbv
 RT: 19.39 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 105 Resp: 4624751
 Ion Ratio Lower Upper
 105 100
 134 20.3 16.2 24.4

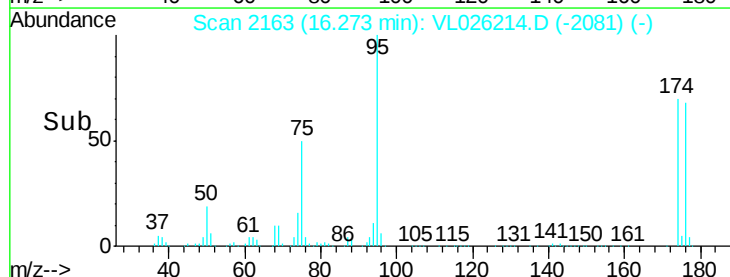
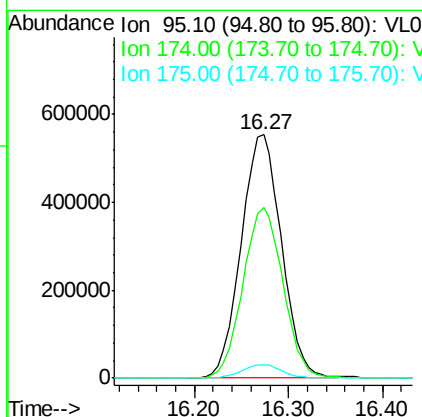
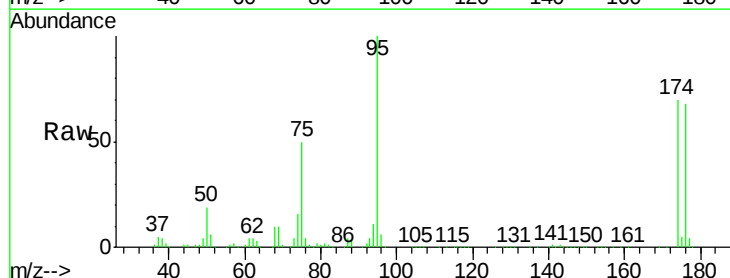
Manual Integrations
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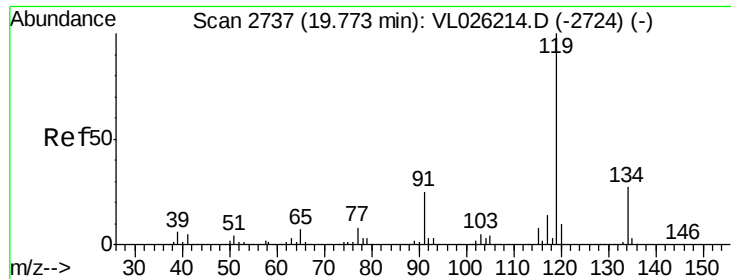
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.93 ppbv
 RT: 16.27 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Tgt Ion: 95 Resp: 1663897
 Ion Ratio Lower Upper
 95 100
 174 69.8 55.8 83.8
 175 5.4 4.3 6.5





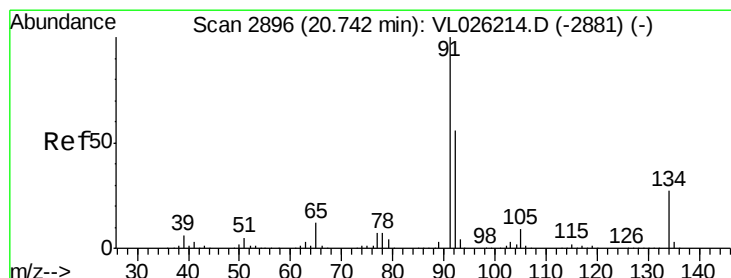
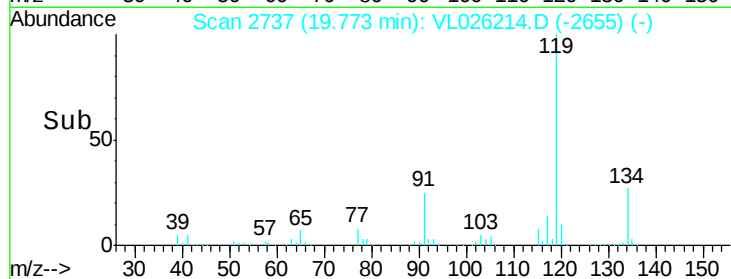
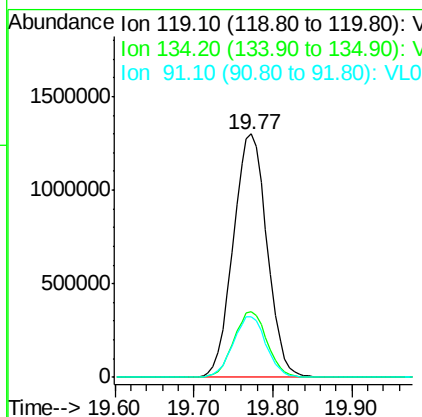
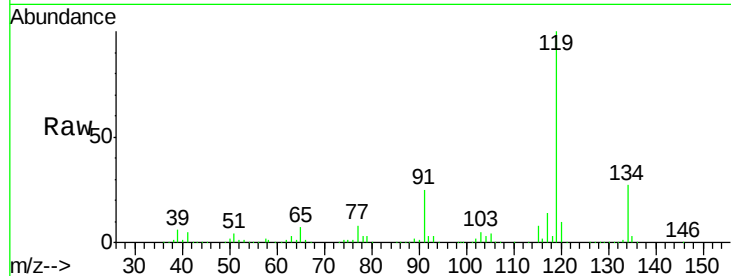
#69
 p-Isopropyltoluene
 Concen: 9.08 ppbv
 RT: 19.77 min Scan# 2737
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.4	32.0
91	24.4	19.5	29.3

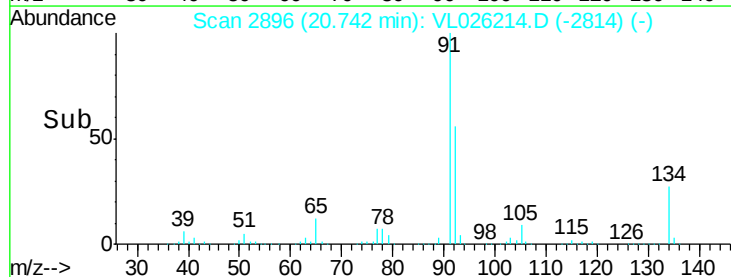
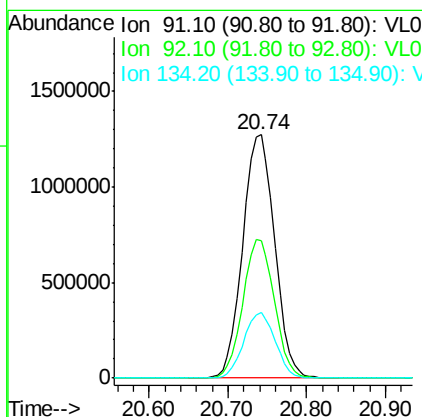
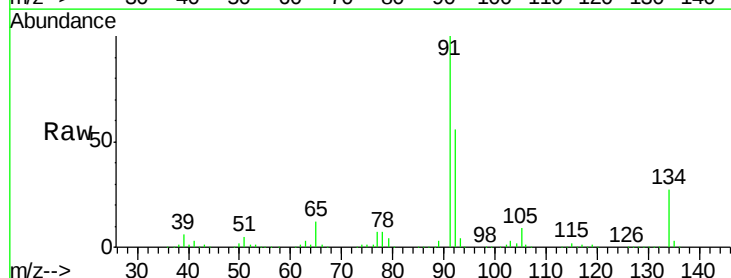
Manual Integrations
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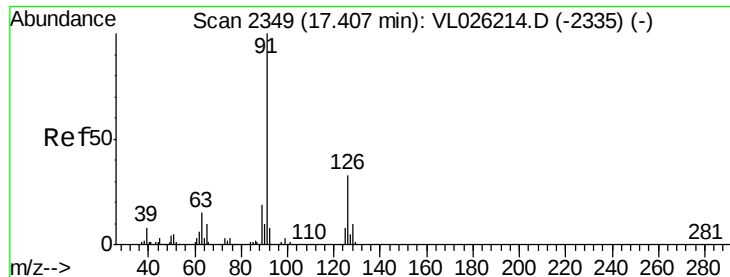
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.21 ppbv
 RT: 20.74 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.3	45.0	67.6
134	26.7	21.4	32.0





#71

2-Chlorotoluene

Concen: 9.31 ppbv

RT: 17.41 min Scan# 2349

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2748755

Ion Ratio Lower Upper

91 100

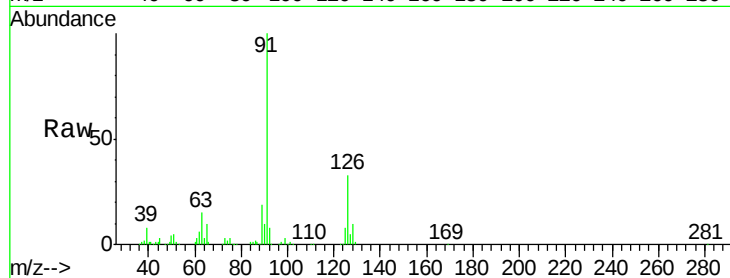
126 32.3 12.9 51.7

Manual Integrations

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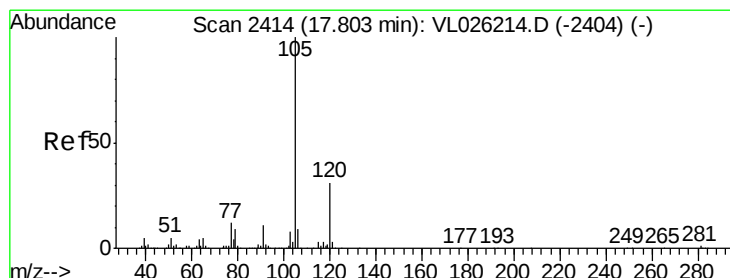
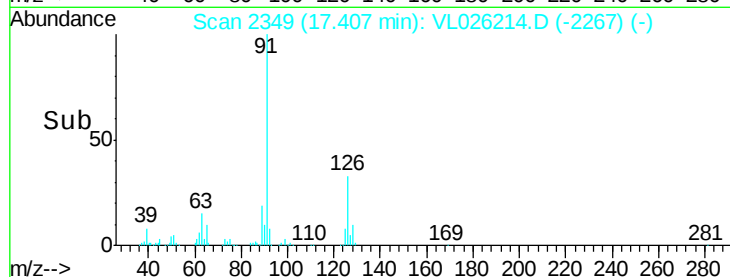
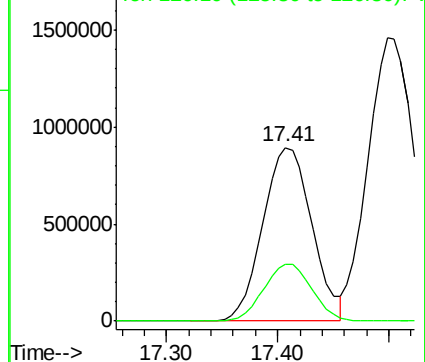
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0



#72

4-Ethyltoluene

Concen: 9.37 ppbv

RT: 17.80 min Scan# 2414

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Tgt Ion: 105 Resp: 3141499

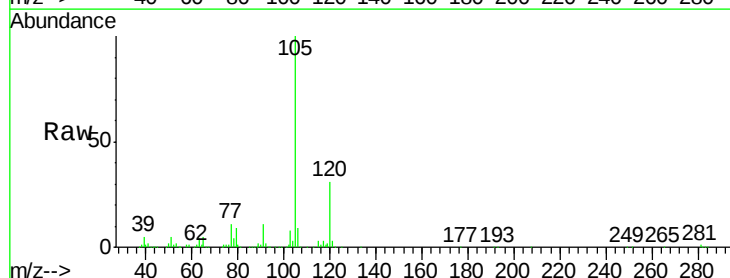
Ion Ratio Lower Upper

105 100

120 31.5 25.2 37.8

91 11.6 9.0 13.6

77 12.1 9.7 14.5

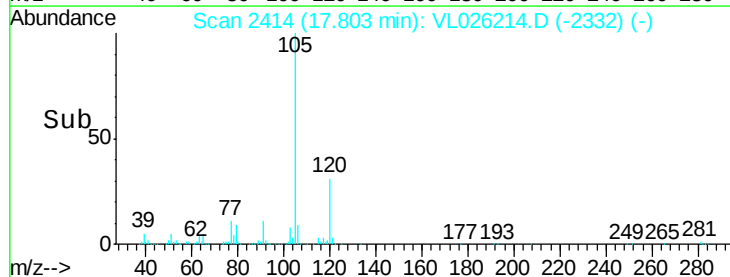
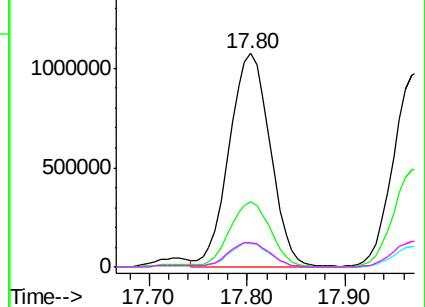


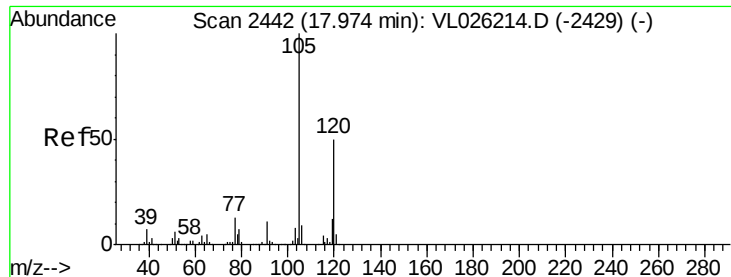
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.30 ppbv

RT: 17.97 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 2907451

Ion Ratio Lower Upper

105 100

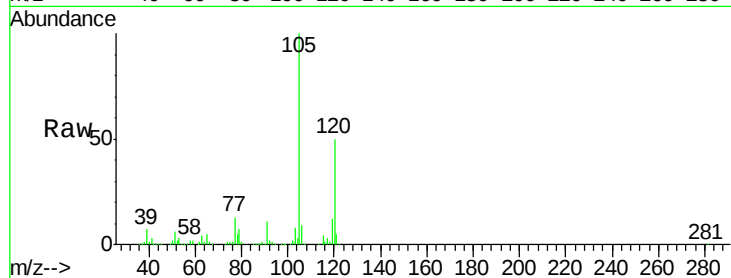
120 49.7 39.8 59.6

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1200000

1000000

800000

600000

400000

200000

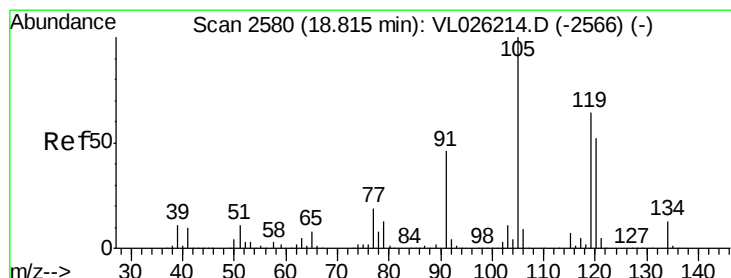
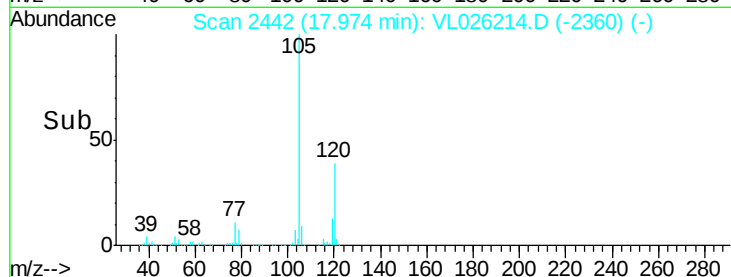
0

17.80

17.97

18.00

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.74 ppbv

RT: 18.82 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Tgt Ion:105 Resp: 2832896

Ion Ratio Lower Upper

105 100

120 51.5 41.2 61.8

91 46.5 37.2 55.8

77 19.5 15.6 23.4

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V

1500000

1000000

500000

0

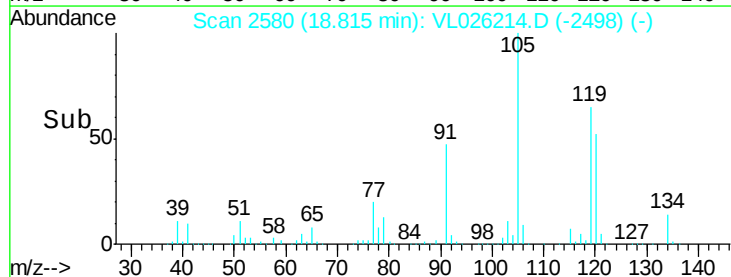
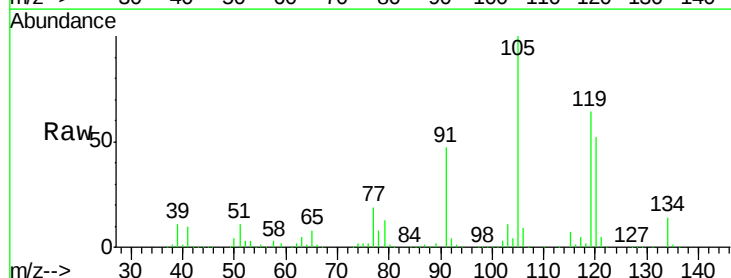
18.70

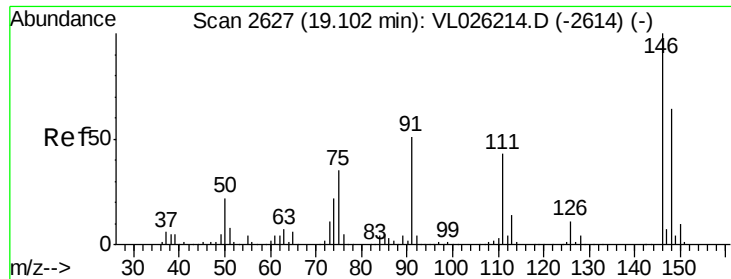
18.82

18.90

19.00

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.01 ppbv

RT: 19.10 min Scan# 2627

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 1907998

Ion Ratio Lower Upper

146 100

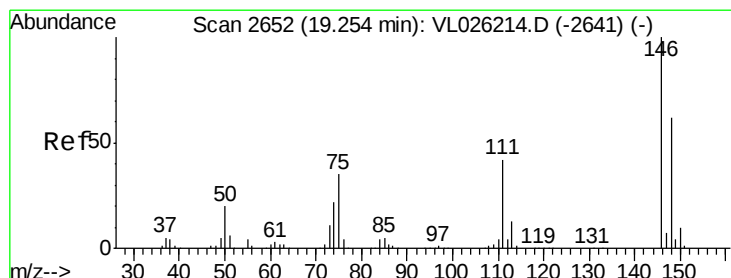
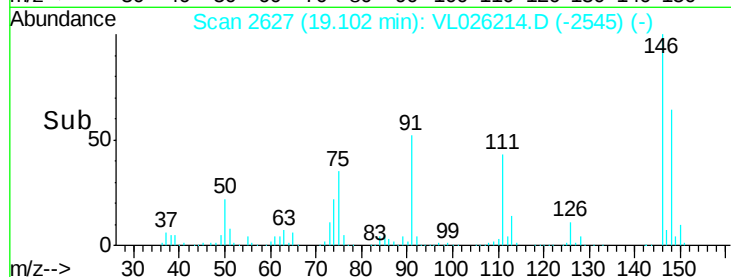
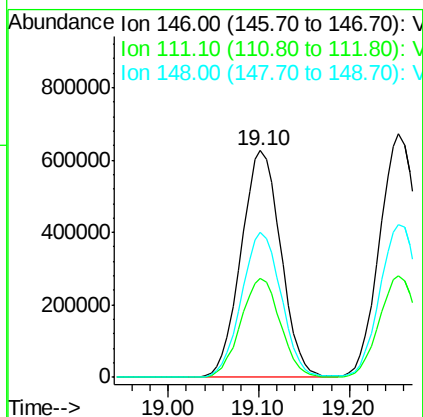
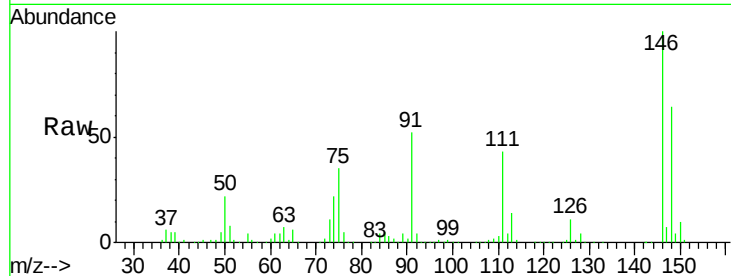
111 43.3 21.6 64.8

148 63.7 31.8 95.4

Manual Integrations
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10/22/2015 4:31:27 PM



#76

1,4-Dichlorobenzene

Concen: 9.12 ppbv

RT: 19.25 min Scan# 2652

Delta R.T. 0.00 min

Lab File: VL026214.D

Acq: 20 Oct 2015 17:10

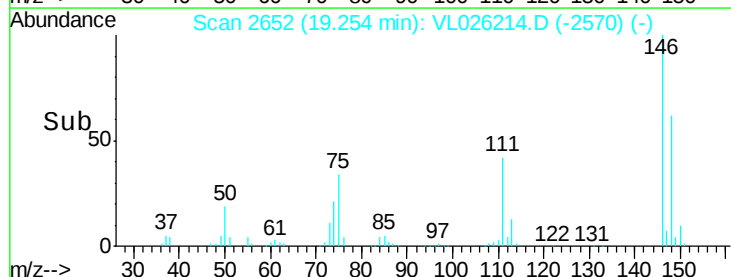
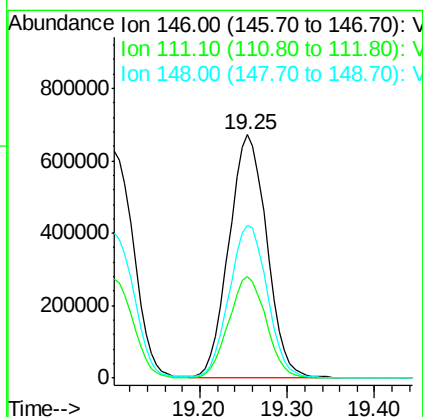
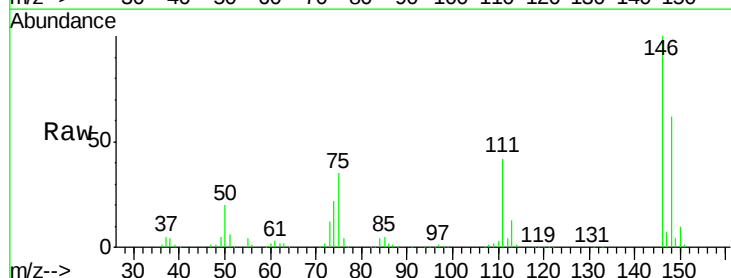
Tgt Ion:146 Resp: 2017483

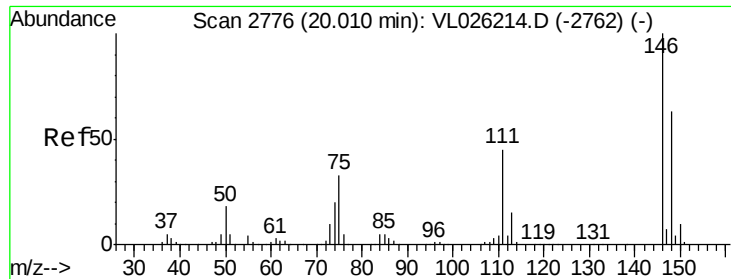
Ion Ratio Lower Upper

146 100

111 41.8 20.8 62.2

148 63.9 31.9 95.9





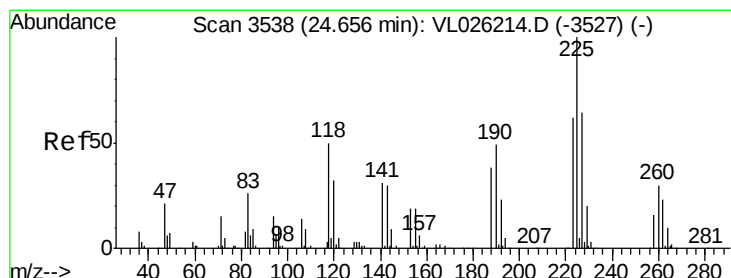
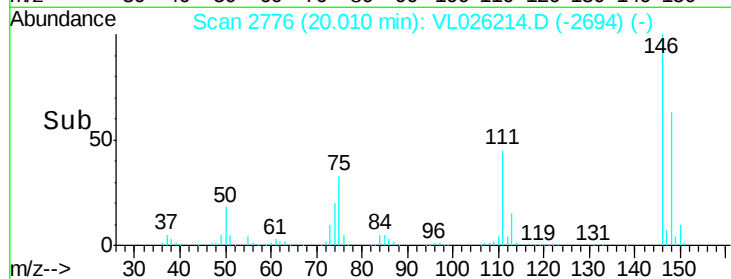
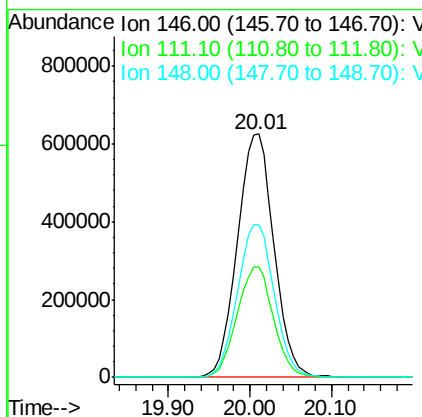
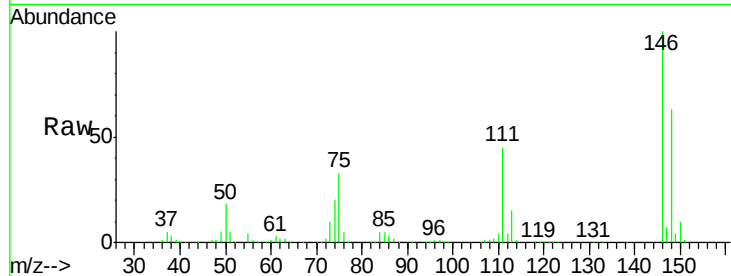
#77
 1,2-Dichlorobenzene
 Concen: 9.15 ppbv
 RT: 20.01 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.6	67.7
148	63.2	31.6	95.0

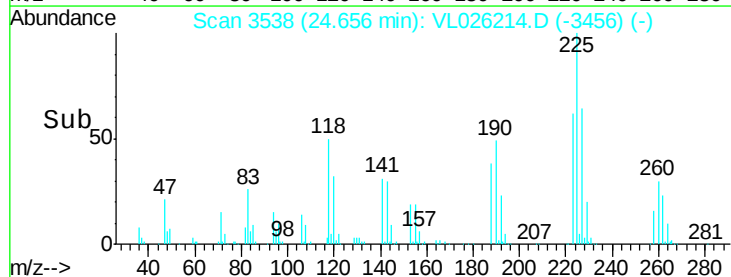
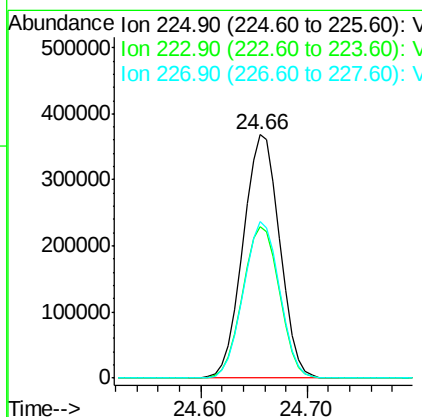
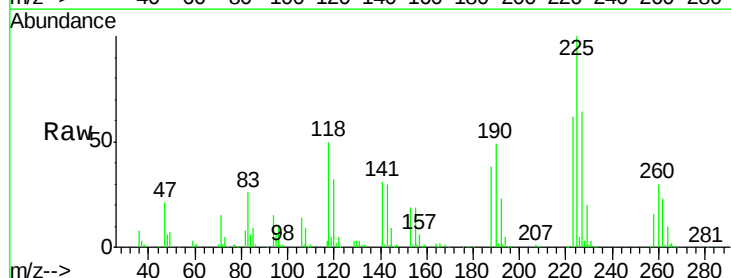
Manual Integrations
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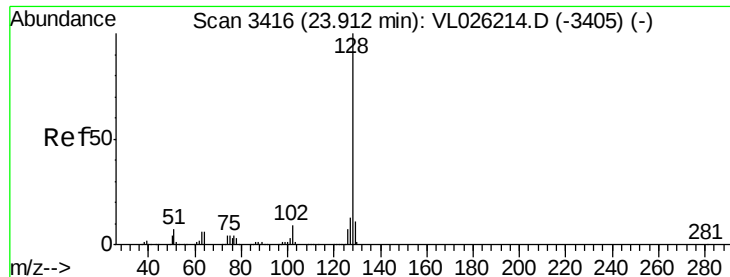
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.14 ppbv
 RT: 24.66 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2
227	63.5	50.8	76.2





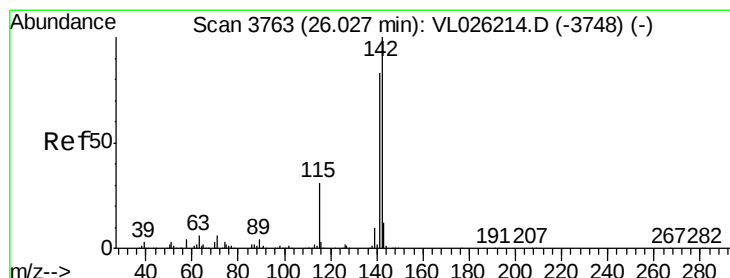
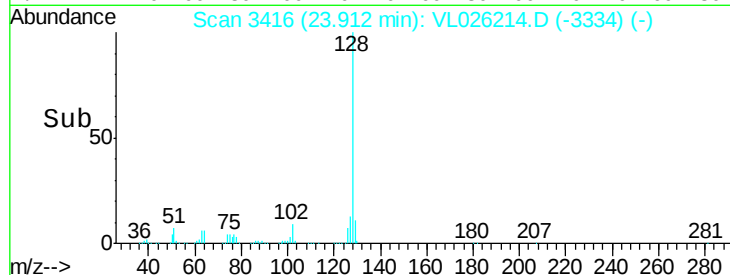
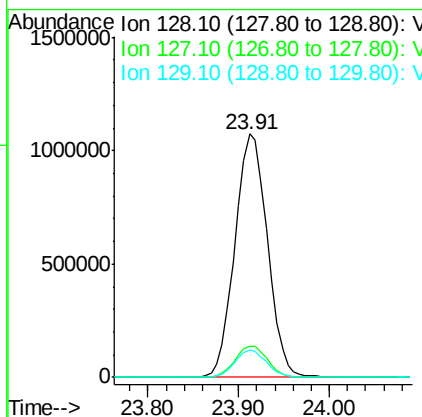
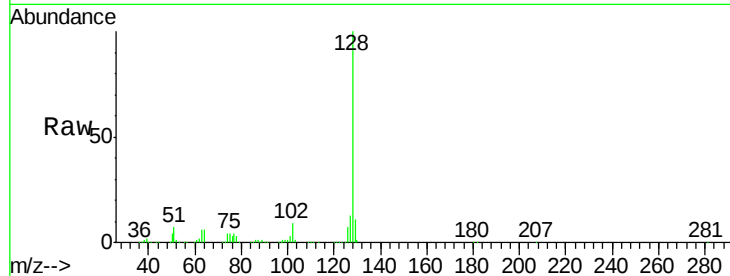
#79
Naphthalene
Concen: 9.37 ppbv
RT: 23.91 min Scan# 3416
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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

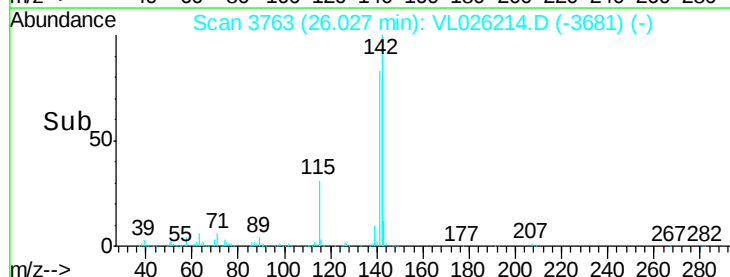
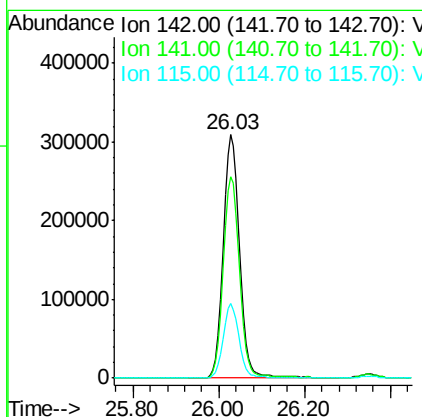
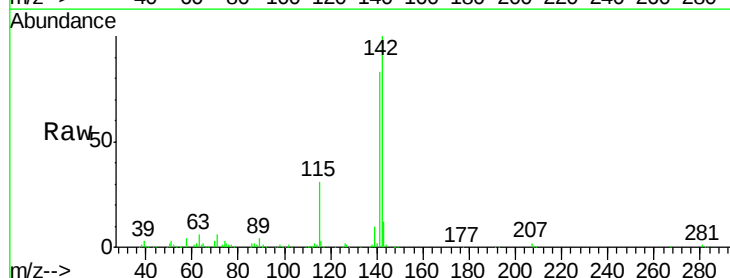
Manual Integrations
APPROVED

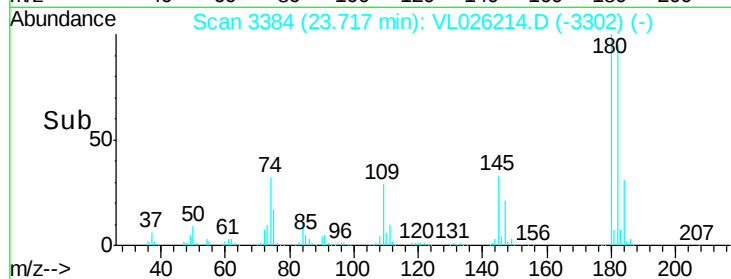
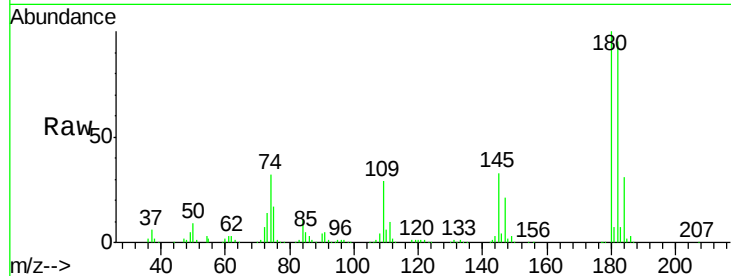
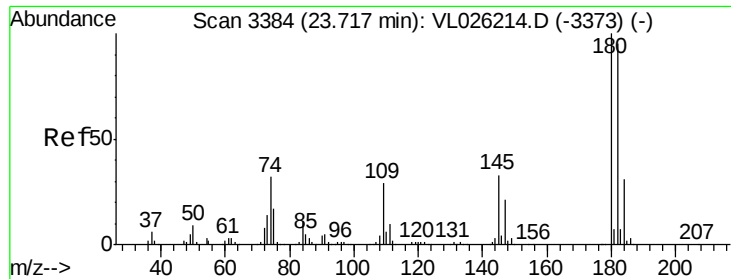
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#80
Naphthalene, 2-methyl-
Concen: 16.32 ppbv
RT: 26.03 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VL026214.D
Acq: 20 Oct 2015 17:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.3	66.5	99.7
115	29.9	24.2	36.4





#81
 1,2,4-Trichlorobenzene
 Concen: 8.93 ppbv
 RT: 23.72 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VL026214.D
 Acq: 20 Oct 2015 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
184	30.2	24.2	36.2

Manual Integrations
 APPROVED

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