

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026207.D
 Acq On : 20 Oct 2015 11:16
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:30:50 PM

Quant Time: Oct 20 14:06:56 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 12:43:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.62	49	638533	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.29	114	1857860	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.71	117	2261578	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.25	95	1697755	9.77	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.62	85	271403	2.13	ppbv	98
3) Chlorodifluoromethane	3.55	51	174782	2.30	ppbv	96
4) Chloromethane	3.73	50	90539	2.13	ppbv	99
5) Vinyl Chloride	3.87	62	93646	2.18	ppbv	96
6) Bromomethane	4.12	94	66461	2.12	ppbv	93
7) Chloroethane	4.22	64	39917	2.12	ppbv	97
8) Dichlorotetrafluoroethane	3.79	85	234442	2.19	ppbv	100
9) Propene	3.58	41	79497	2.30	ppbv	99
10) Heptane	9.32	43	252868	2.09	ppbv	99
11) Trichlorofluoromethane	4.67	101	255975	2.11	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	5.28	101	175681	2.13	ppbv	99
13) Ethanol	4.31	45	12491m	2.25	ppbv	
14) Bromoethene	4.43	108	76712	2.25	ppbv	99
15) Acetone	4.59	43	193930	2.26	ppbv #	83
16) 1,3-Butadiene	3.95	39	85107	2.18	ppbv	100
17) tert-Butyl alcohol	5.11	59	122108	2.34	ppbv	99
18) 1,1-Dichloroethene	5.06	96	77840	2.07	ppbv	98
19) Isopropyl Alcohol	4.74	45	75740	2.20	ppbv #	49
20) Methylene Chloride	5.12	84	75206	2.07	ppbv	98
21) Allyl Chloride	5.20	41	121362	2.17	ppbv	99
22) trans-1,2-Dichloroethene	5.74	96	103649	2.18	ppbv	97
23) Vinyl Acetate	5.96	43	349794	2.28	ppbv	97
24) 1,1-Dichloroethane	5.89	63	224573	2.21	ppbv	99
25) Ethyl Acetate	6.65	43	369352	2.27	ppbv	100
26) Hexane	6.63	57	185834	2.33	ppbv	97
27) Carbon Disulfide	5.37	76	225926	2.32	ppbv	98
28) Methyl tert-Butyl Ether	5.93	73	323553	2.48	ppbv	99
29) Chloroform	6.71	83	258530	2.21	ppbv	98
30) Cyclohexane	8.25	84	178180	2.34	ppbv	92
31) cis-1,2-Dichloroethene	6.49	61	163704	2.28	ppbv	99
32) 1,1,1-Trichloroethane	7.57	97	273735	2.43	ppbv	98
34) 2-Butanone	6.18	43	227896	2.22	ppbv	100
35) Carbon Tetrachloride	8.13	117	278889	2.34	ppbv	98
36) Benzene	7.99	78	402182	2.25	ppbv	100
37) 1,2-Dichloroethane	7.34	62	195657	2.06	ppbv	99
38) Trichloroethene	9.03	130	175160	2.13	ppbv	98
39) 1,2-Dichloropropane	8.79	63	140204	2.13	ppbv	98
40) 1,4-Dioxane	9.12	88	25871	2.11	ppbv #	1
41) Tetrahydrofuran	7.10	42	133377	2.32	ppbv	99
42) Bromodichloromethane	8.99	83	294673	2.32	ppbv	100
43) Methyl Methacrylate	9.23	69	143567	2.29	ppbv	97

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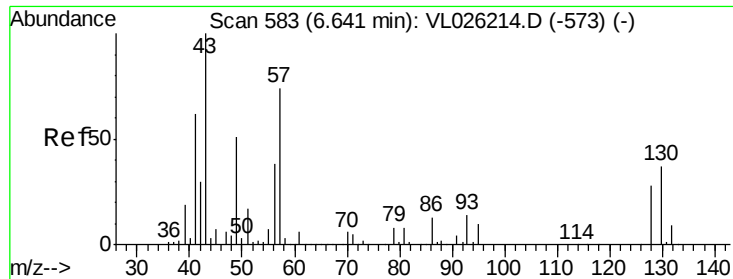
Manual Integrations
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MMDadoda
 10/22/2015 4:30:50 PM

Quant Time: Oct 20 14:06:56 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 14:06:56 2015
 QLast Update : Tue Oct 20 12:43:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	653827	2.21	ppbv	98
45) t-1,3-Dichloropropene	10.62	75	223833	2.56	ppbv	99
46) cis-1,3-Dichloropropene	9.99	75	260593	2.43	ppbv	99
47) 1,1,2-Trichloroethane	10.84	97	175128	2.20	ppbv	98
48) Dibromochloromethane	11.76	129	287015	2.51	ppbv	100
49) Bromoform	14.77	173	244303	2.78	ppbv	99
50) 4-Methyl-2-Pentanone	10.06	43	290810	2.14	ppbv	99
51) 2-Hexanone	11.59	43	273003	2.25	ppbv #	99
52) Tetrachloroethene	12.76	164	191813	2.17	ppbv	98
53) Toluene	11.20	91	546783	2.37	ppbv	99
54) 1,2-Dibromoethane	12.10	107	272099	2.28	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.75	131	215526	2.34	ppbv #	1
57) Chlorobenzene	13.77	112	465780	2.26	ppbv	99
58) Ethyl Benzene	14.38	91	778041	2.35	ppbv	100
59) m/p-Xylene	14.68	91	1244284m	4.68	ppbv	
60) o-Xylene	15.46	91	649147	2.33	ppbv	100
61) Styrene	15.27	104	290626	2.52	ppbv	99
62) Isopropylbenzene	16.50	105	892985	2.41	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.45	83	414435	2.01	ppbv	100
64) n-propylbenzene	17.49	120	244255	2.45	ppbv	93
65) tert-Butylbenzene	18.77	119	828027	2.53	ppbv	98
66) Benzyl Chloride	19.07	91	343462	3.34	ppbv	100
67) sec-Butylbenzene	19.38	105	1146174	2.52	ppbv	99
69) p-Isopropyltoluene	19.75	119	960167	2.62	ppbv	99
70) n-Butylbenzene	20.72	91	876728	2.53	ppbv	100
71) 2-Chlorotoluene	17.39	91	659746	2.45	ppbv	100
72) 4-Ethyltoluene	17.78	105	742109	2.48	ppbv	99
73) 1,3,5-Trimethylbenzene	17.95	105	700618	2.48	ppbv	99
74) 1,2,4-Trimethylbenzene	18.80	105	736548	2.49	ppbv	94
75) 1,3-Dichlorobenzene	19.08	146	475557	2.50	ppbv	99
76) 1,4-Dichlorobenzene	19.24	146	498133	2.59	ppbv	98
77) 1,2-Dichlorobenzene	19.99	146	475359	2.55	ppbv	99
78) Hexachloro-1,3-Butadiene	24.64	225	250469	3.74	ppbv	99
79) Naphthalene	23.91	128	647222	3.91	ppbv	97
80) Naphthalene, 2-methyl-	26.02	142	99578	1.98	ppbv	96
81) 1,2,4-Trichlorobenzene	23.70	180	313610	3.77	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.62 min Scan# 580

Delta R.T. -0.01 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 638533

Ion Ratio Lower Upper

49 100

128 55.7 28.1 84.3

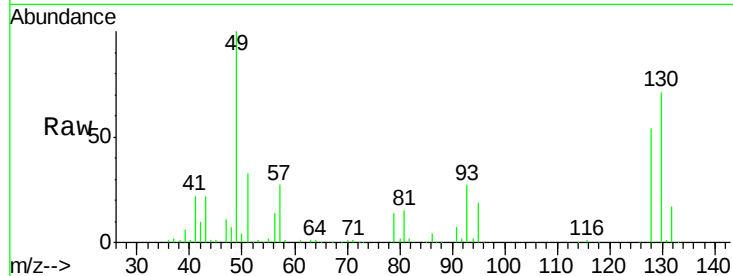
130 72.1 36.2 108.6

Manual Integrations

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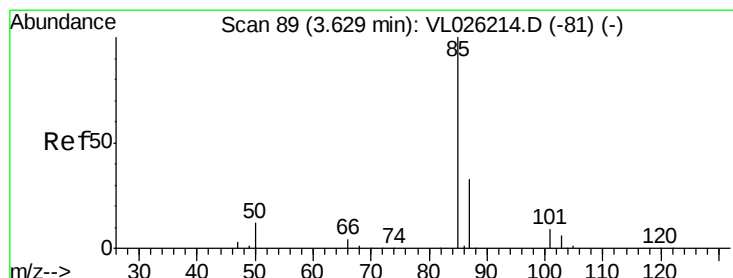
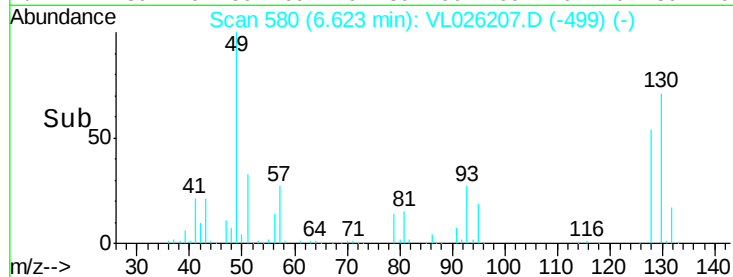
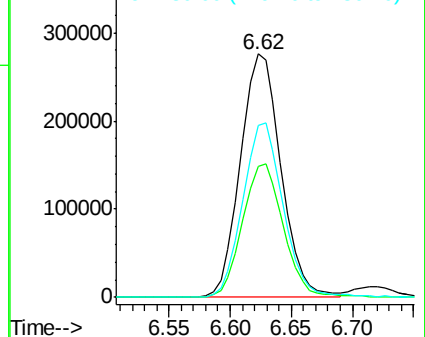
10/22/2015 4:30:50 PM



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: 2.13 ppbv

RT: 3.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL026207.D

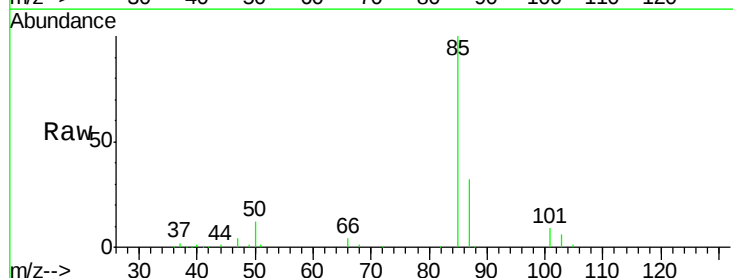
Acq: 20 Oct 2015 11:16

Tgt Ion: 85 Resp: 271403

Ion Ratio Lower Upper

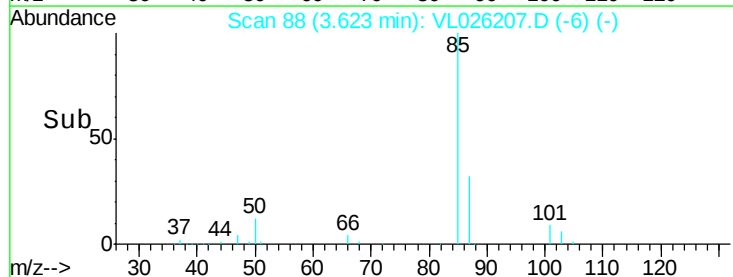
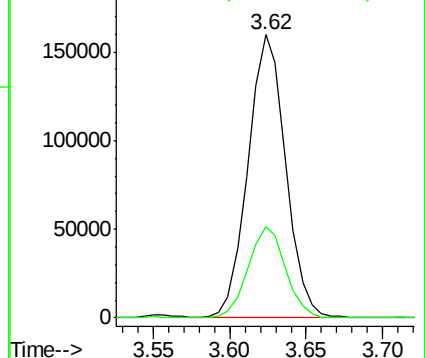
85 100

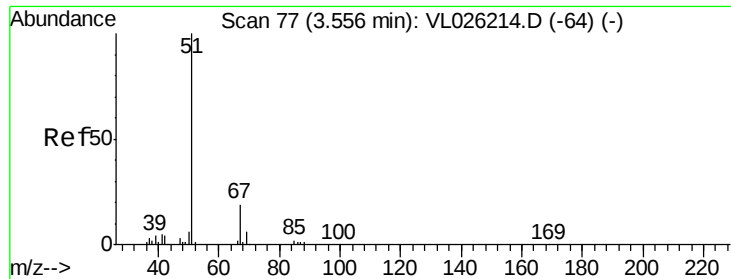
87 32.2 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.30 ppbv

RT: 3.55 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 51 Resp: 174782

Ion Ratio Lower Upper

51 100

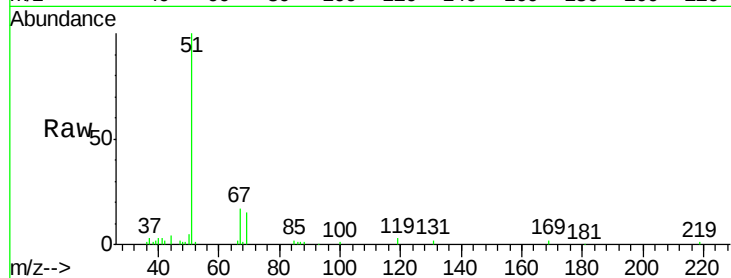
67 17.5 15.6 23.4

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.55

100000

80000

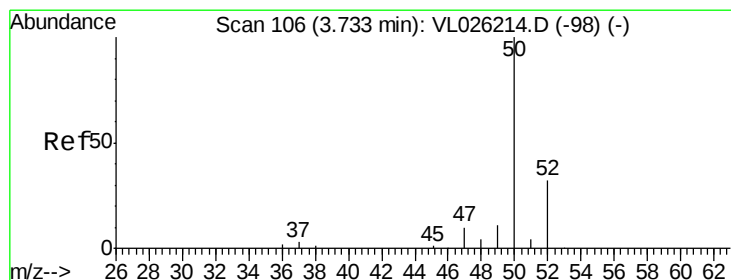
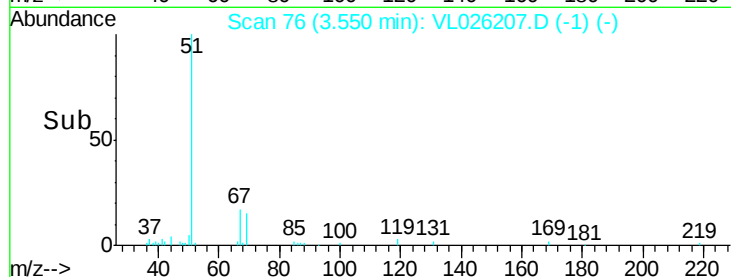
60000

40000

20000

0

Time-->



#4

Chloromethane

Concen: 2.13 ppbv

RT: 3.73 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL026207.D

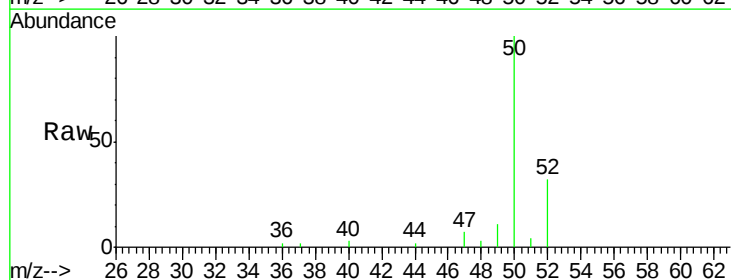
Acq: 20 Oct 2015 11:16

Tgt Ion: 50 Resp: 90539

Ion Ratio Lower Upper

50 100

52 31.9 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

50000

40000

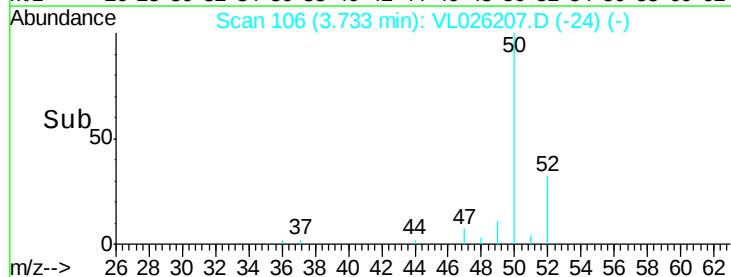
30000

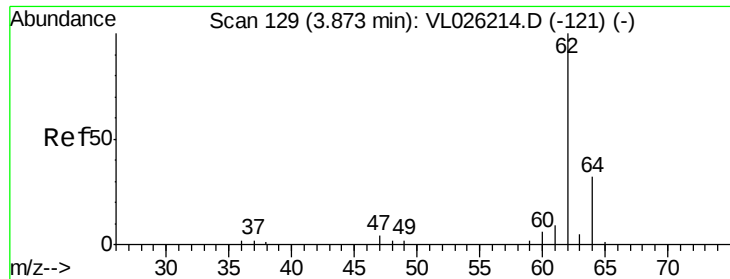
20000

10000

0

Time-->





#5

Vinyl Chloride

Concen: 2.18 ppbv

RT: 3.87 min Scan# 128

Delta R.T. -0.00 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 93646

Ion Ratio Lower Upper

62 100

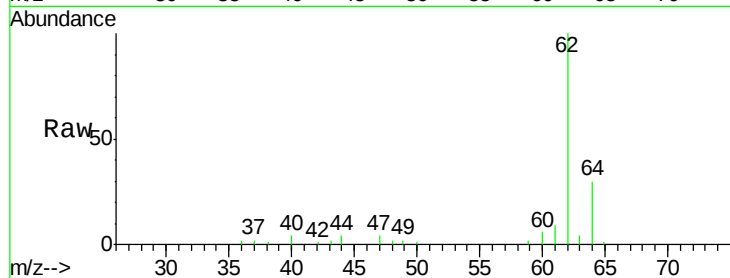
64 30.4 26.3 39.5

Manual Integrations

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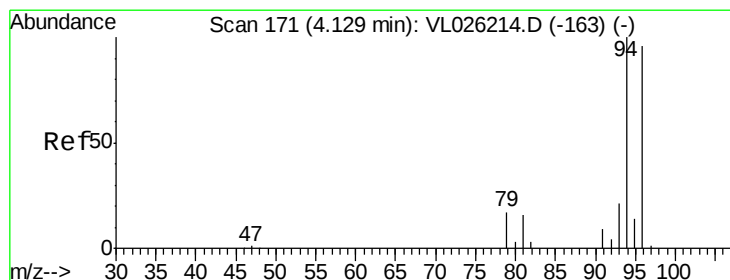
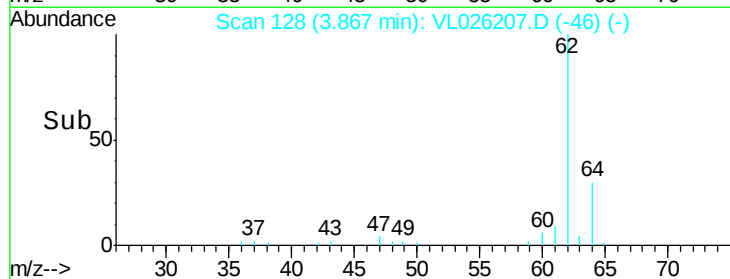
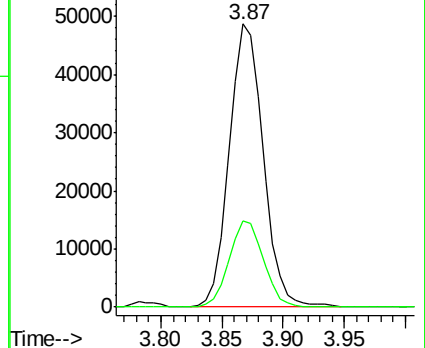
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.12 ppbv

RT: 4.12 min Scan# 170

Delta R.T. -0.00 min

Lab File: VL026207.D

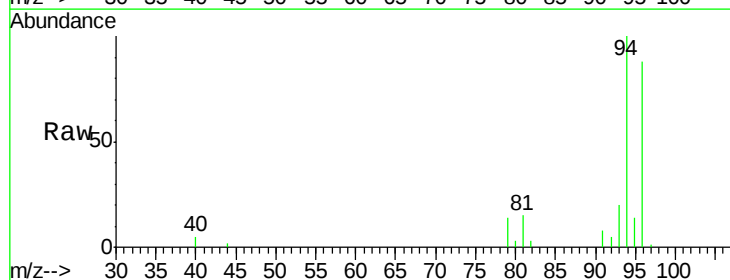
Acq: 20 Oct 2015 11:16

Tgt Ion: 94 Resp: 66461

Ion Ratio Lower Upper

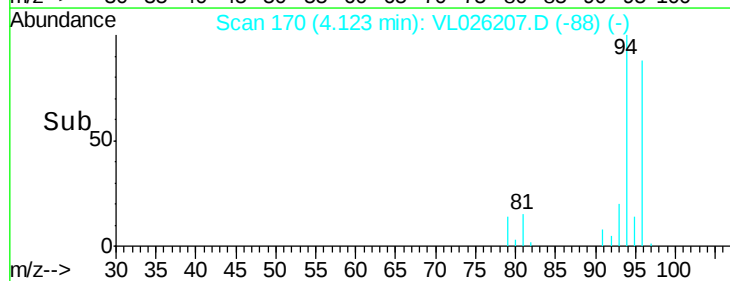
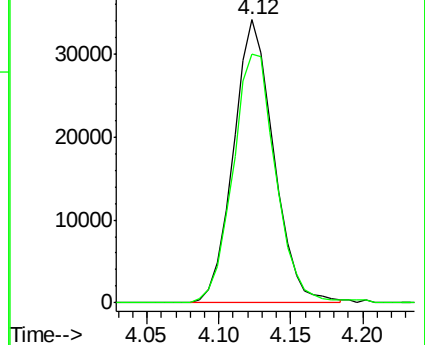
94 100

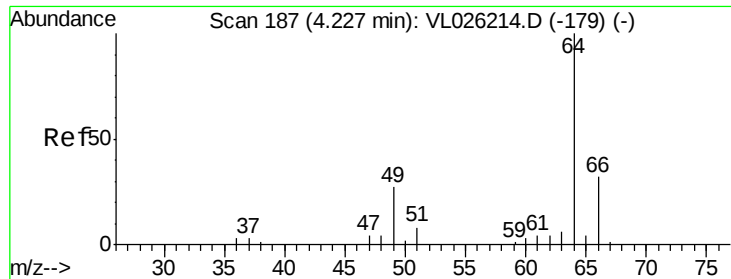
96 87.7 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.12 ppbv

RT: 4.22 min Scan# 186

Delta R.T. -0.00 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 39917

Ion Ratio Lower Upper

64 100

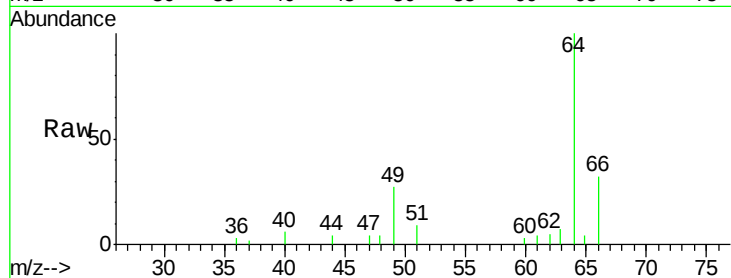
66 32.2 27.0 40.6

Manual Integrations

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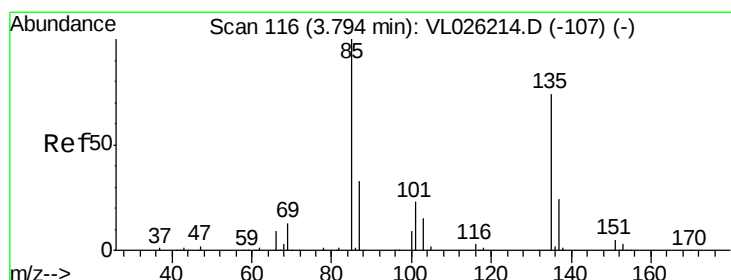
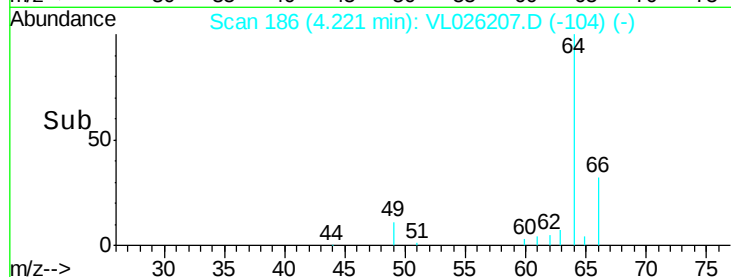
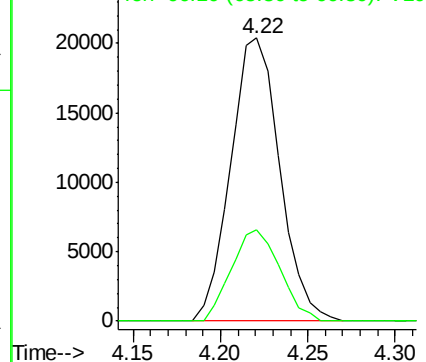
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.19 ppbv

RT: 3.79 min Scan# 115

Delta R.T. -0.00 min

Lab File: VL026207.D

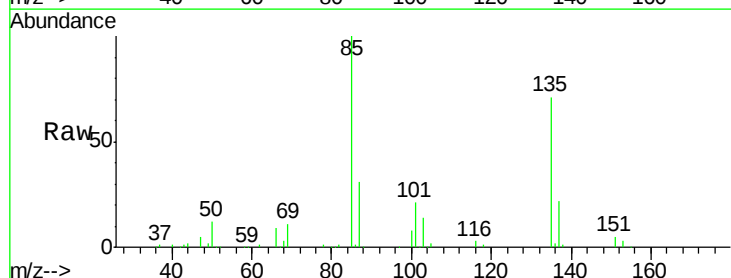
Acq: 20 Oct 2015 11:16

Tgt Ion: 85 Resp: 234442

Ion Ratio Lower Upper

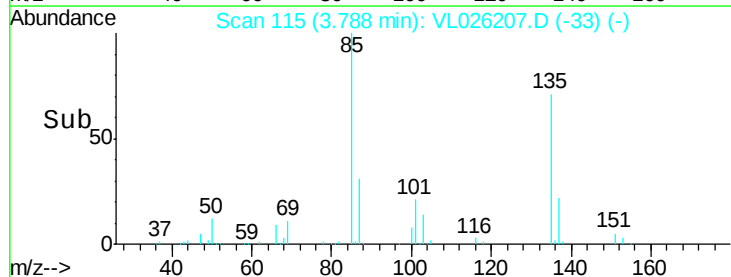
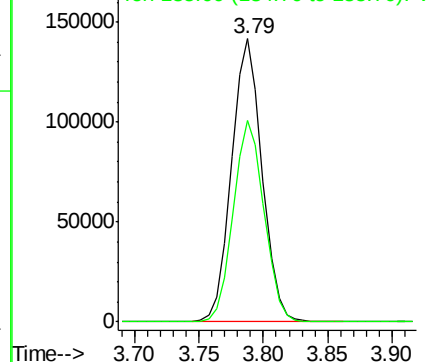
85 100

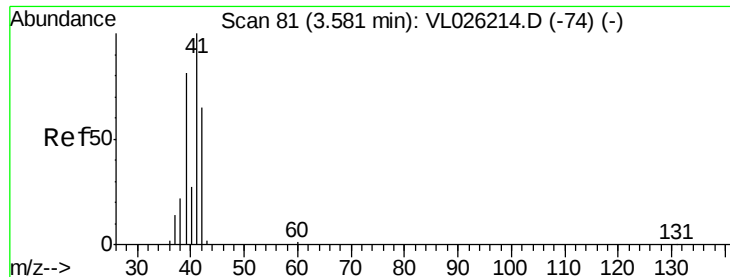
135 71.6 57.5 86.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0





#9

Propene

Concen: 2.30 ppbv

RT: 3.58 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 79497

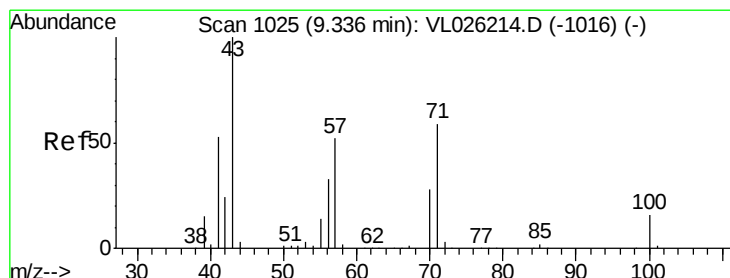
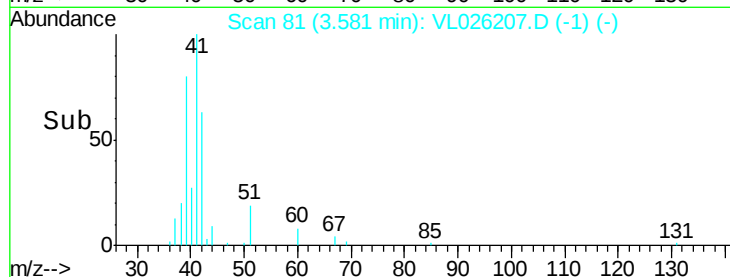
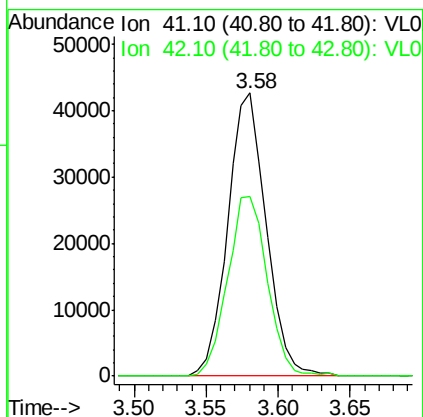
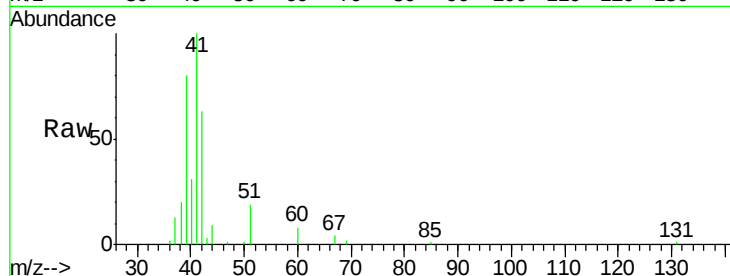
Ion Ratio Lower Upper

41 100

42 65.7 53.1 79.7

Manual Integrations
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#10

Heptane

Concen: 2.09 ppbv

RT: 9.32 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VL026207.D

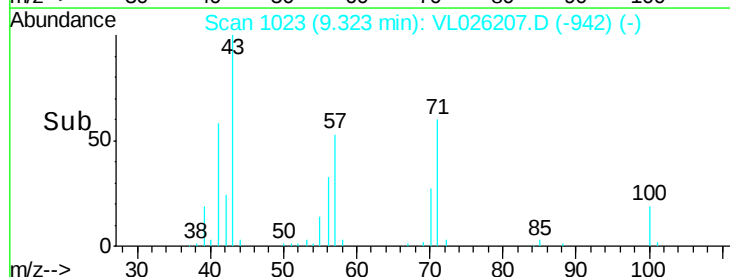
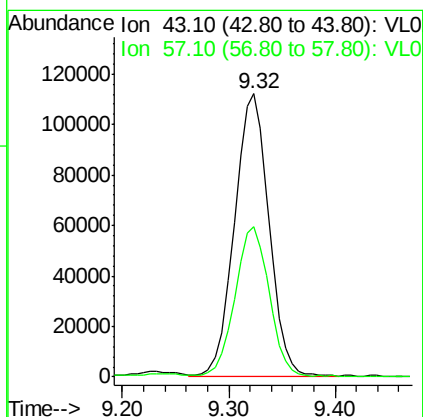
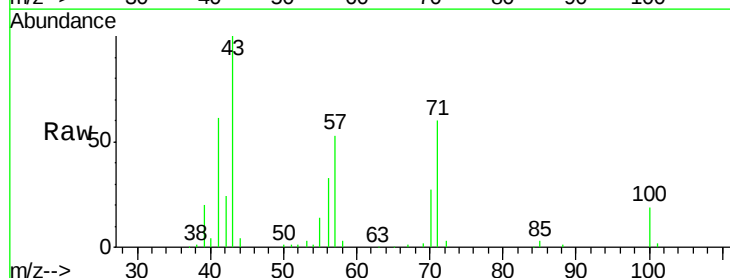
Acq: 20 Oct 2015 11:16

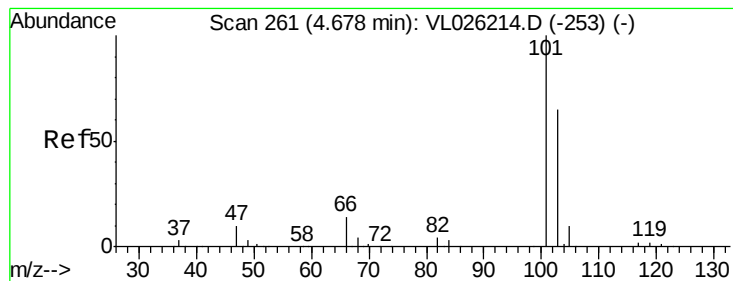
Tgt Ion: 43 Resp: 252868

Ion Ratio Lower Upper

43 100

57 55.1 43.5 65.3





#11

Trichlorofluoromethane

Concen: 2.11 ppbv

RT: 4.67 min Scan# 260

Delta R.T. -0.00 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:101 Resp: 255975

Ion Ratio Lower Upper

101 100

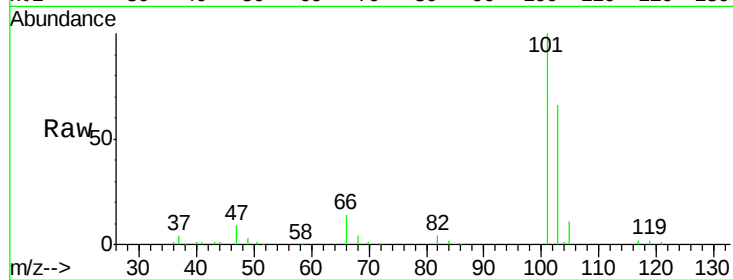
103 66.4 51.2 76.8

Manual Integrations

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10/22/2015 4:30:50 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.67

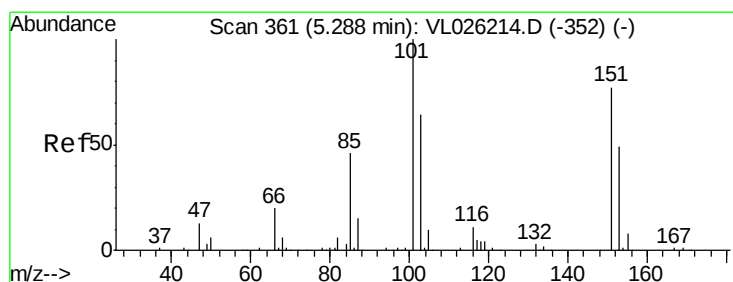
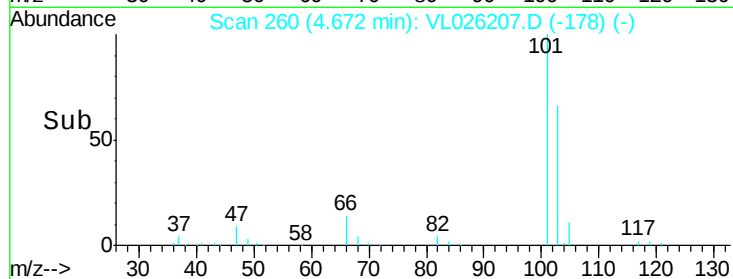
150000

100000

50000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.13 ppbv

RT: 5.28 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL026207.D

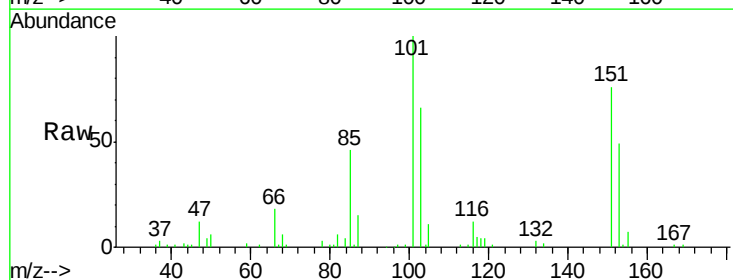
Acq: 20 Oct 2015 11:16

Tgt Ion:101 Resp: 175681

Ion Ratio Lower Upper

101 100

151 77.5 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

5.28

100000

80000

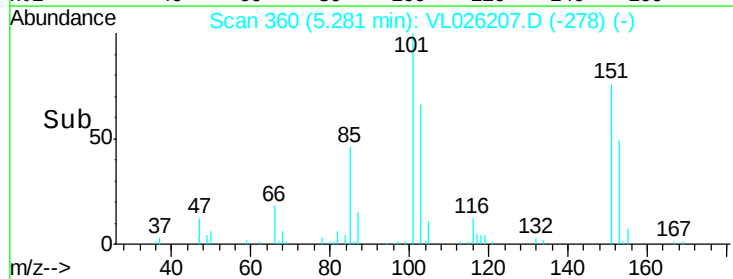
60000

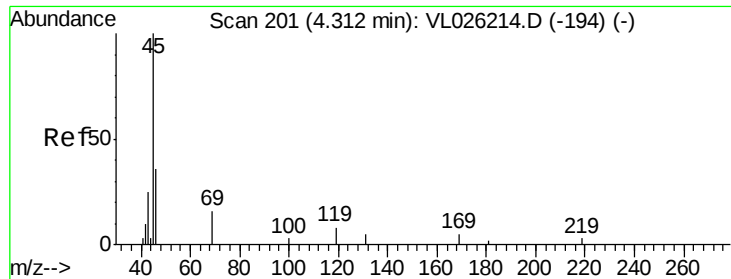
40000

20000

0

Time-->





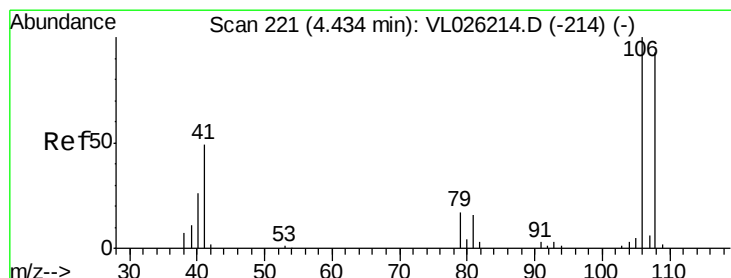
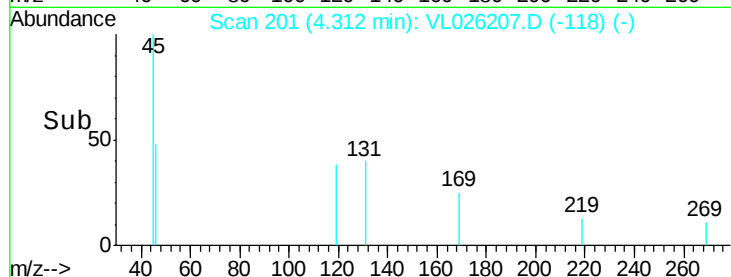
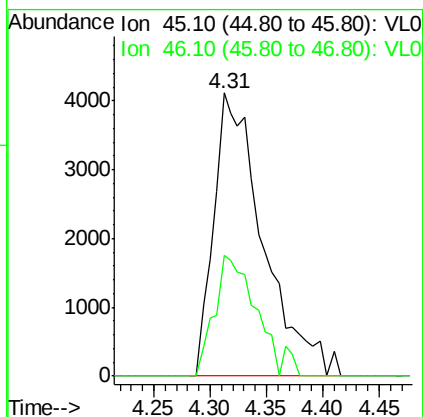
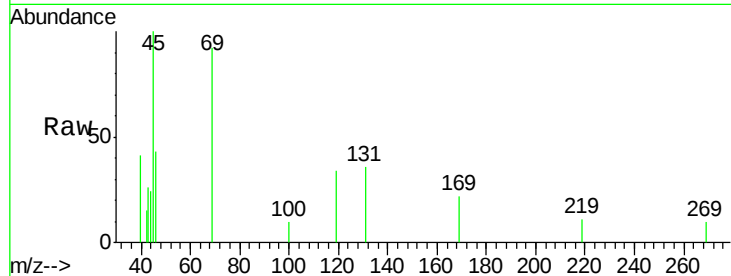
#13
Ethanol
Concen: 2.25 ppbv m
RT: 4.31 min Scan# 201
Delta R.T. 0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 45 Resp: 12491
Ion Ratio Lower Upper
45 100
46 36.9 16.1 64.3

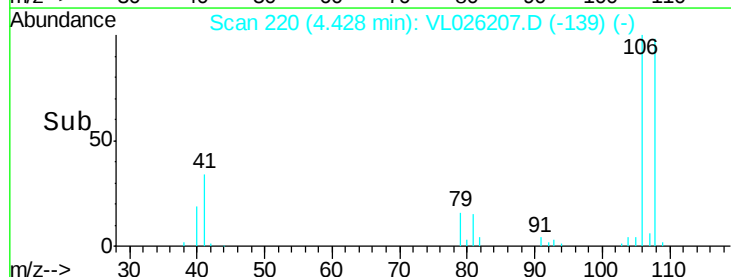
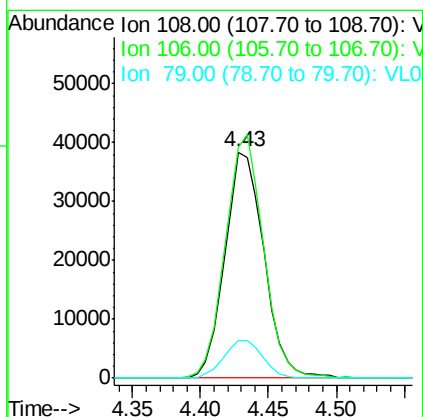
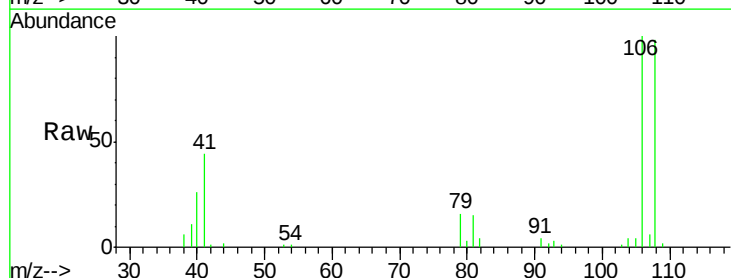
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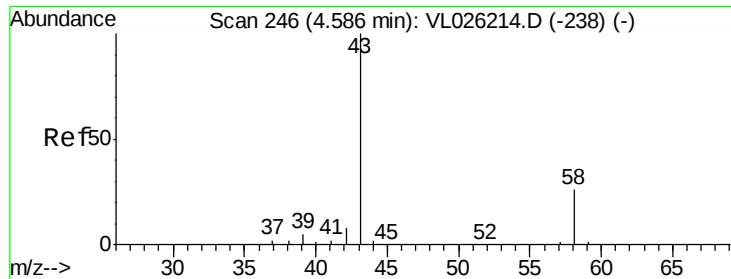
MMDadoda
10/22/2015 4:30:50 PM



#14
Bromoethene
Concen: 2.25 ppbv
RT: 4.43 min Scan# 220
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion: 108 Resp: 76712
Ion Ratio Lower Upper
108 100
106 105.6 85.3 127.9
79 16.4 13.4 20.0





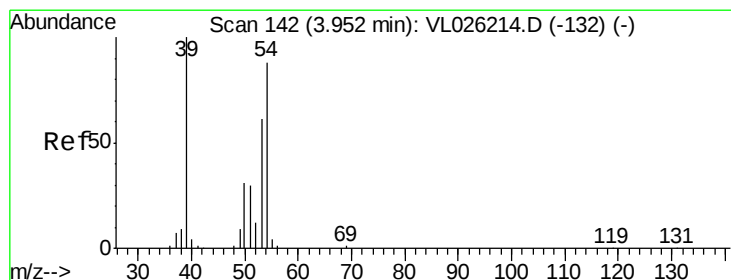
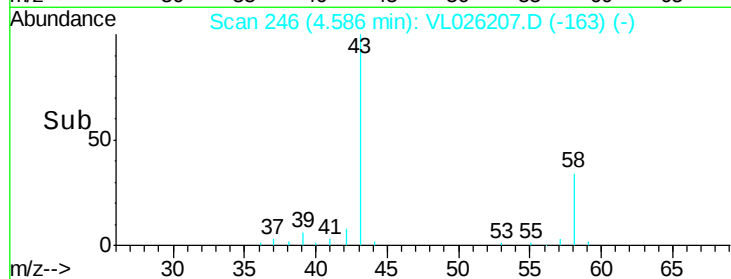
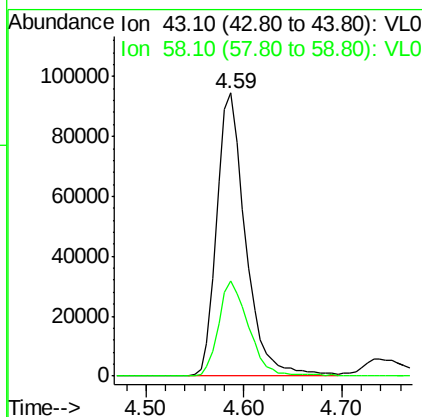
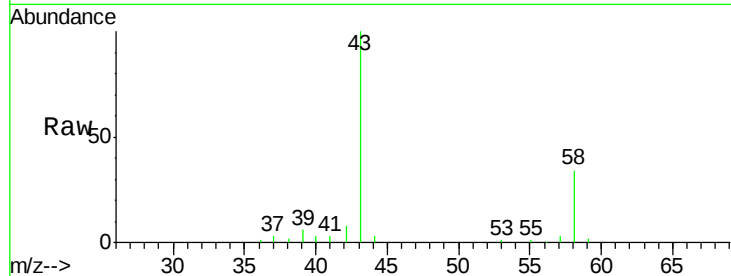
#15
Acetone
Concen: 2.26 ppbv
RT: 4.59 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 43 Resp: 193930
Ion Ratio Lower Upper
43 100
58 34.9 21.0 31.4#

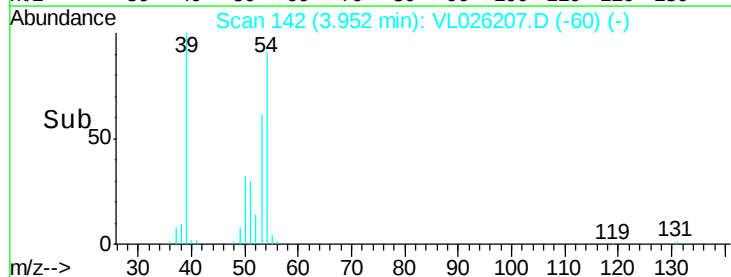
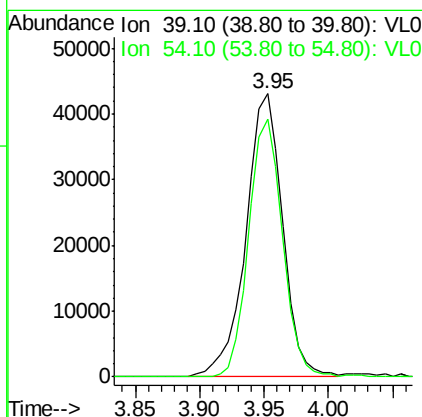
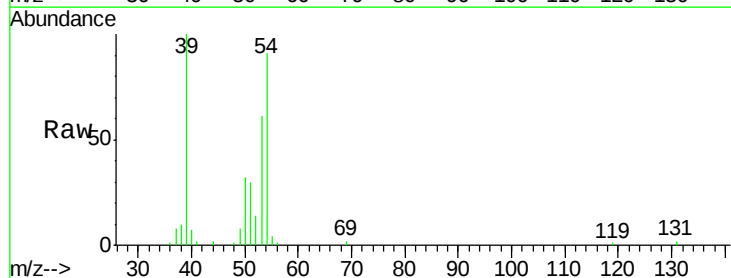
Manual Integrations
APPROVED

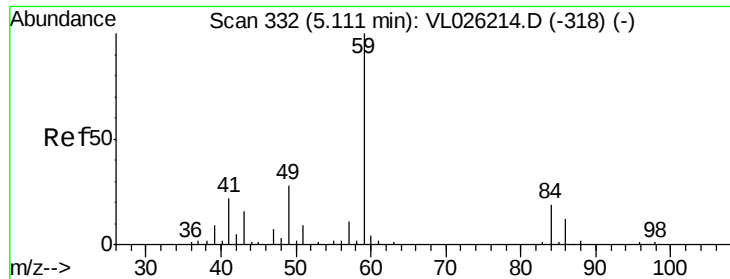
MMDadoda
10/22/2015 4:30:50 PM



#16
1,3-Butadiene
Concen: 2.18 ppbv
RT: 3.95 min Scan# 142
Delta R.T. -0.00 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion: 39 Resp: 85107
Ion Ratio Lower Upper
39 100
54 83.7 67.3 100.9





#17

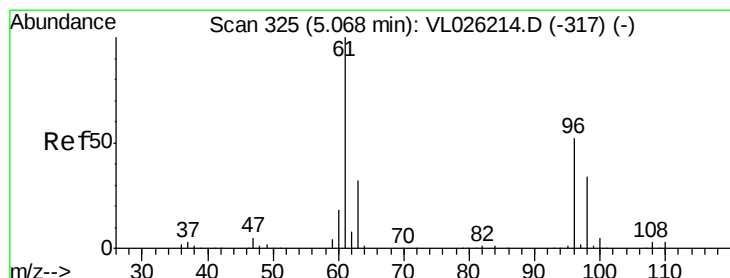
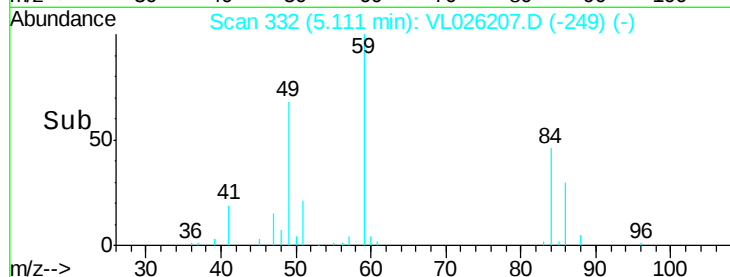
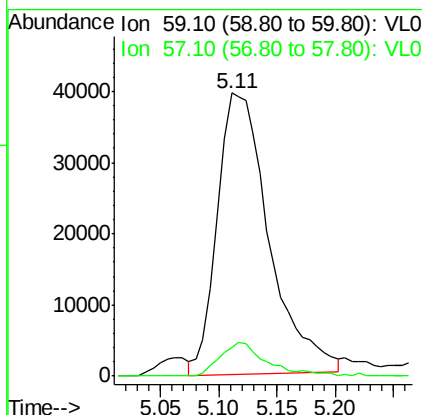
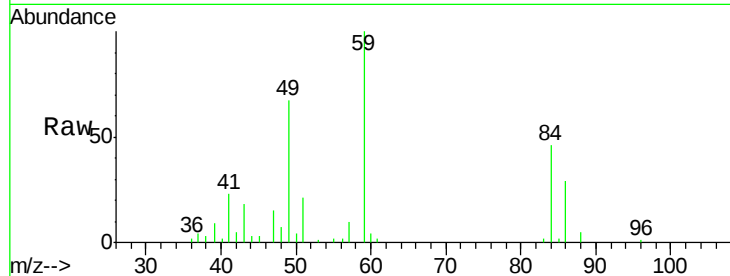
tert-Butyl alcohol
Concen: 2.34 ppbv
RT: 5.11 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	59	Resp	122108
Ion Ratio	100	Lower	Upper
57	10.9	8.6	12.8

Manual Integrations
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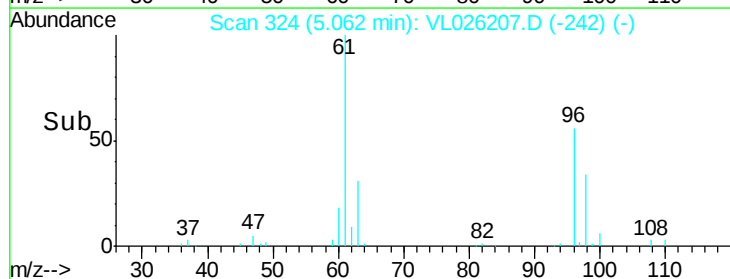
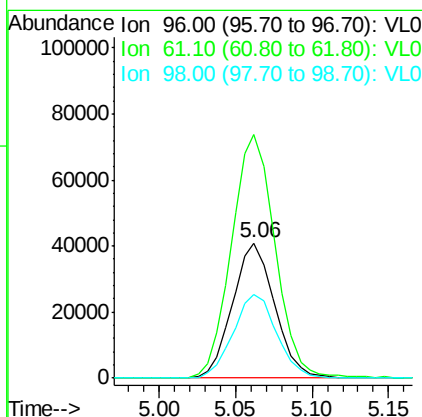
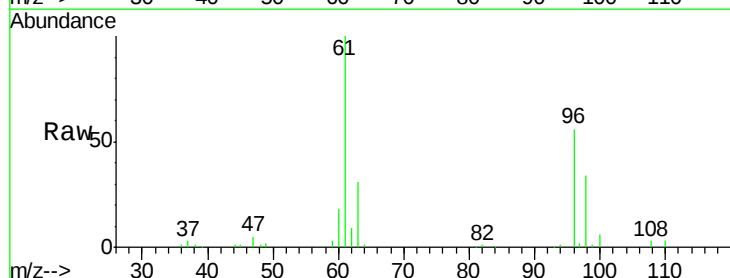
MMDadoda
10/22/2015 4:30:50 PM

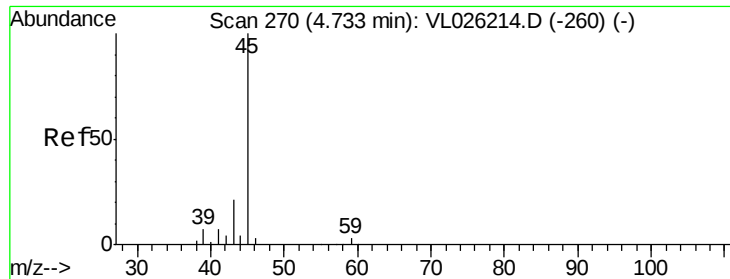


#18

1,1-Dichloroethene
Concen: 2.07 ppbv
RT: 5.06 min Scan# 324
Delta R.T. -0.00 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion	96	Resp	77840
Ion Ratio	100	Lower	Upper
61	179.8	146.6	219.8
98	61.4	50.5	75.7





#19

Isopropyl Alcohol

Concen: 2.20 ppbv

RT: 4.74 min Scan# 271

Delta R.T. 0.01 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 75740

Ion Ratio Lower Upper

45 100

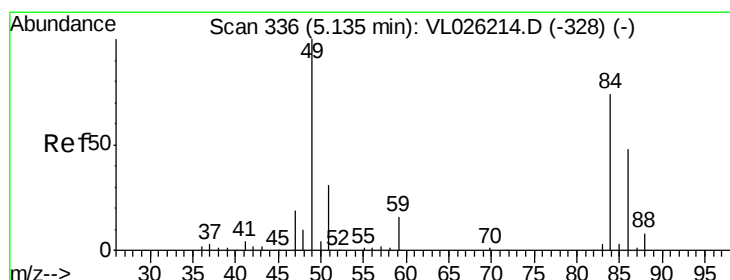
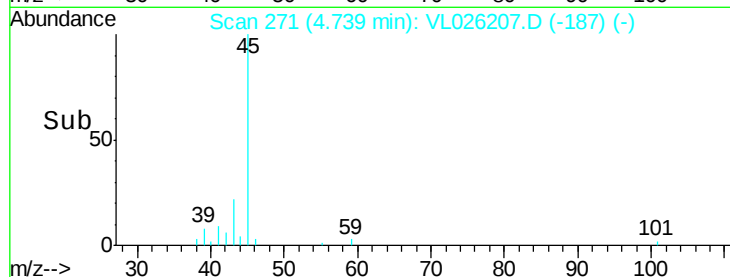
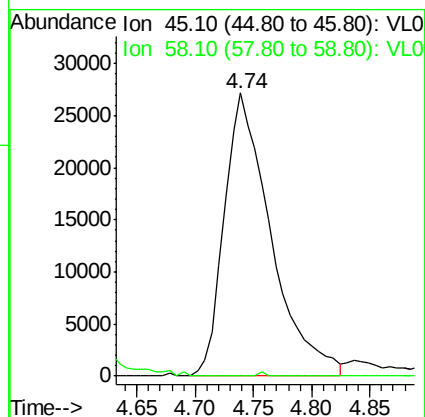
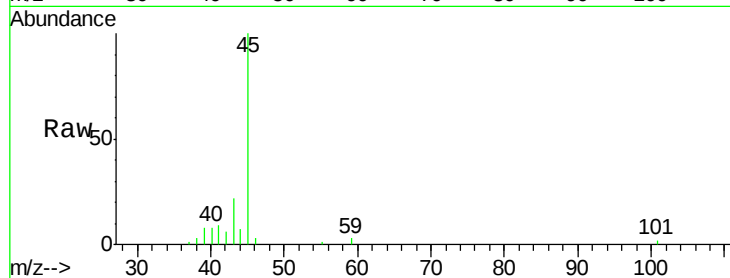
58 89.4 42.4 63.6#

Manual Integrations

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#20

Methylene Chloride

Concen: 2.07 ppbv

RT: 5.12 min Scan# 334

Delta R.T. -0.01 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Tgt Ion: 84 Resp: 75206

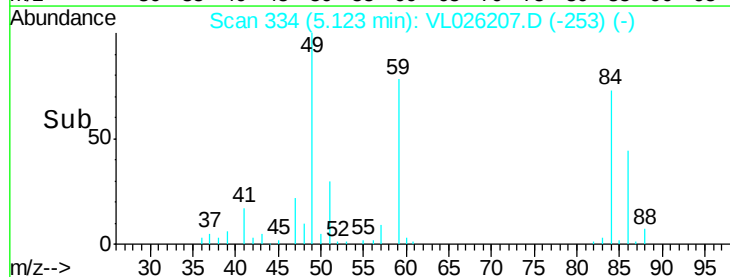
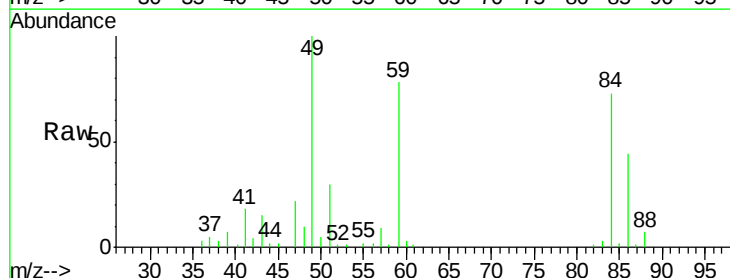
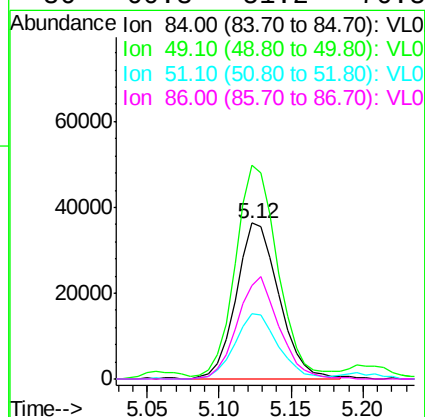
Ion Ratio Lower Upper

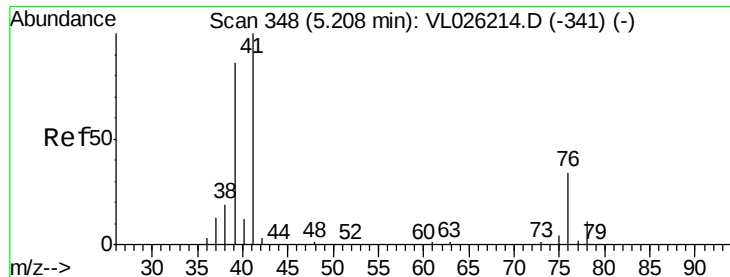
84 100

49 135.0 107.9 161.9

51 41.7 32.4 48.6

86 60.3 51.2 76.8





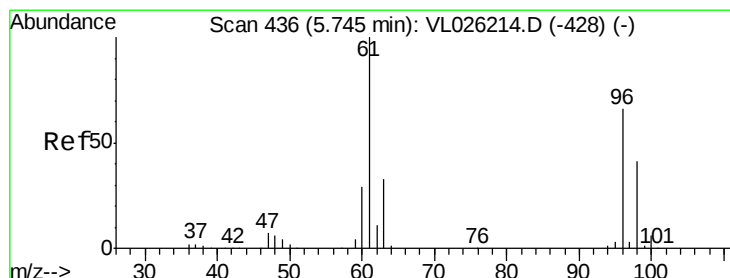
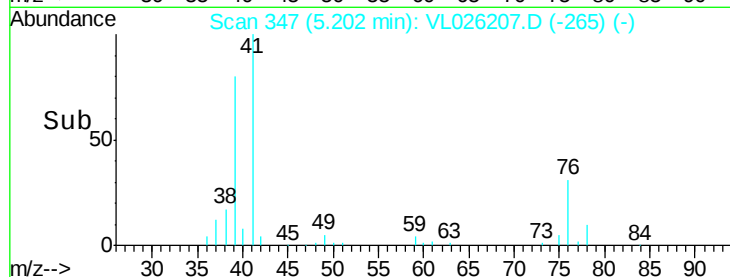
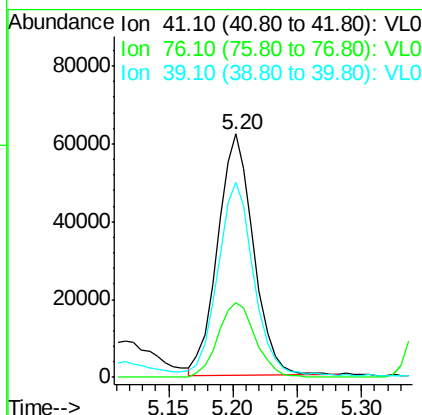
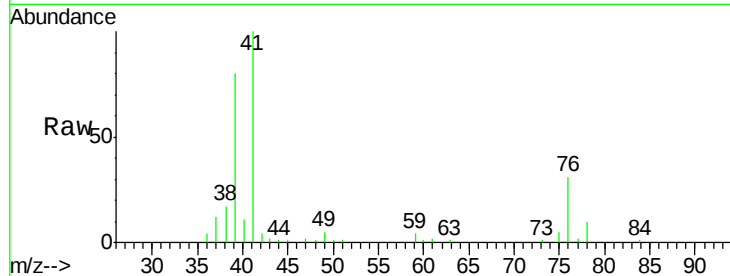
#21
Allvl Chloride
Concen: 2.17 ppbv
RT: 5.20 min Scan# 347
Delta R.T. -0.00 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.2	26.2	39.4
39	81.6	65.6	98.4

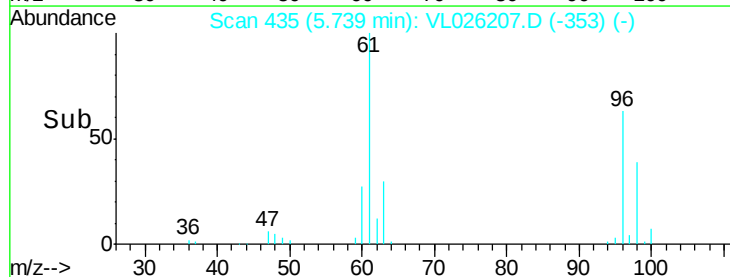
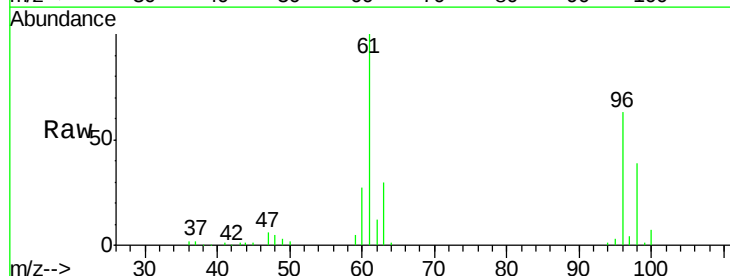
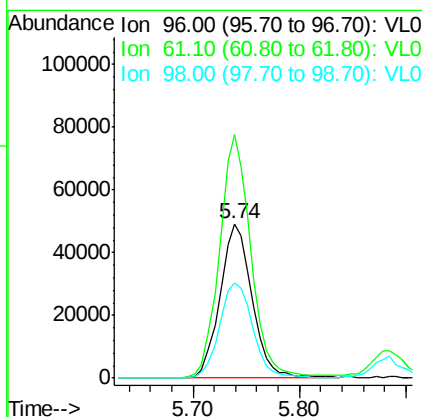
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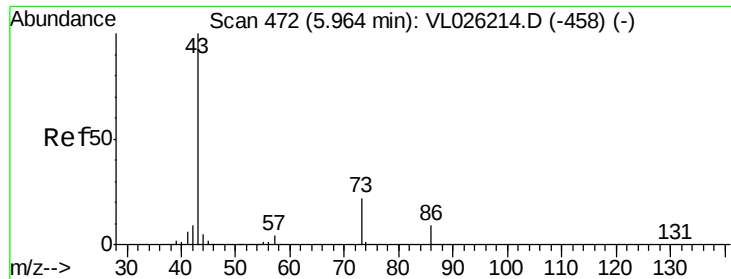
MMDadoda
10/22/2015 4:30:50 PM



#22
trans-1,2-Dichloroethene
Concen: 2.18 ppbv
RT: 5.74 min Scan# 435
Delta R.T. -0.00 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	121.3	181.9
98	61.7	49.8	74.8





#23

Vinyl Acetate

Concen: 2.28 ppbv

RT: 5.96 min Scan# 471

Delta R.T. -0.01 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

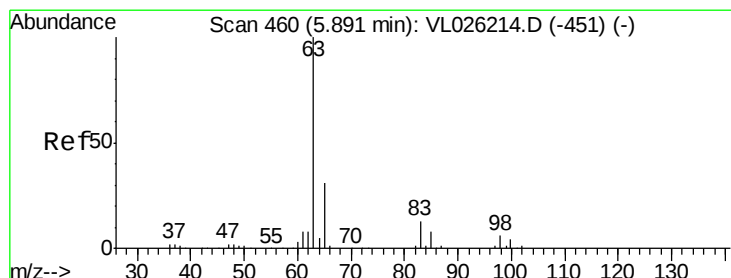
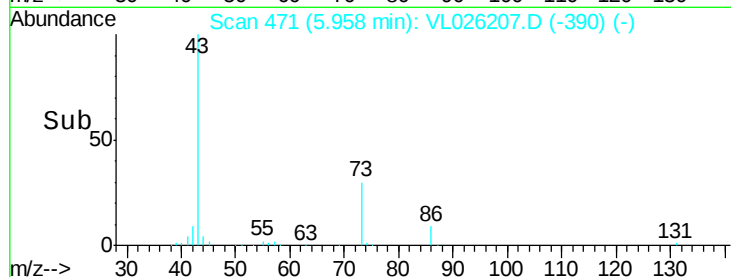
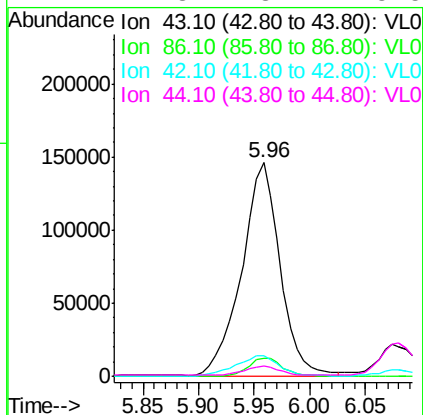
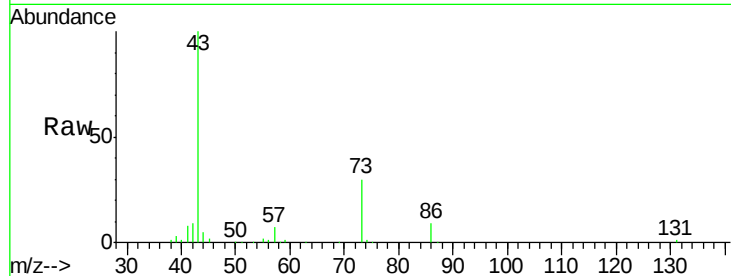
ClientSampleId :

VSTDIC002

Tot Ion:	43	Resp:	349794
Ion	Ratio	Lower	Upper
43	100		
86	8.6	7.8	11.6
42	9.4	8.4	12.6
44	4.3	3.7	5.5

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#24

1,1-Dichloroethane

Concen: 2.21 ppbv

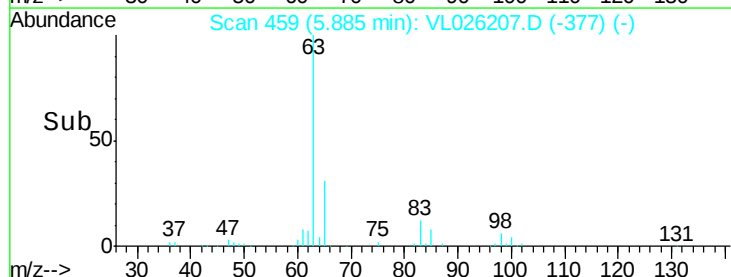
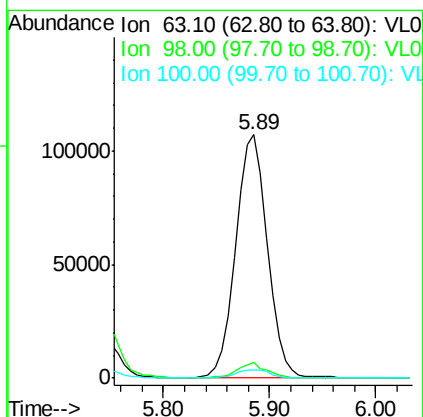
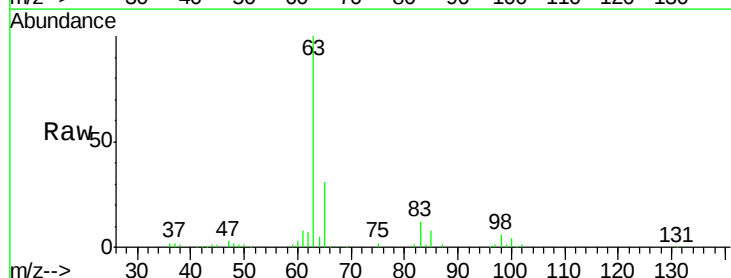
RT: 5.89 min Scan# 459

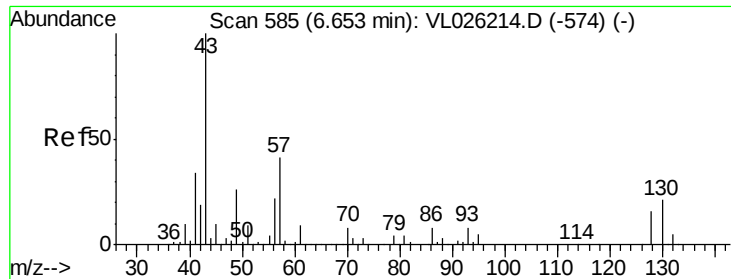
Delta R.T. -0.00 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Tgt Ion:	63	Resp:	224573
Ion	Ratio	Lower	Upper
63	100		
98	6.5	2.9	8.7
100	3.6	1.8	5.5





#25

Ethyl Acetate

Concen: 2.27 ppbv

RT: 6.65 min Scan# 584

Delta R.T. -0.00 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

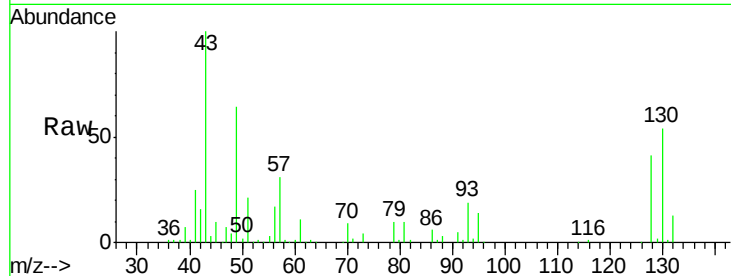
ClientSampleId :

VSTDIC002

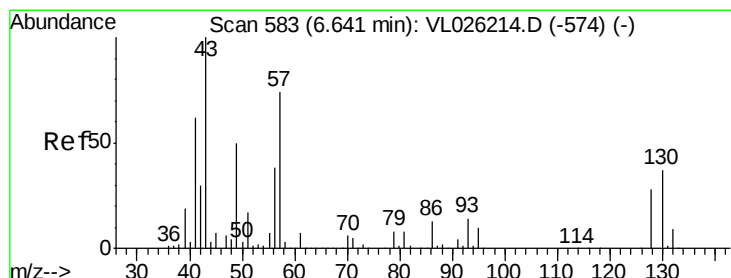
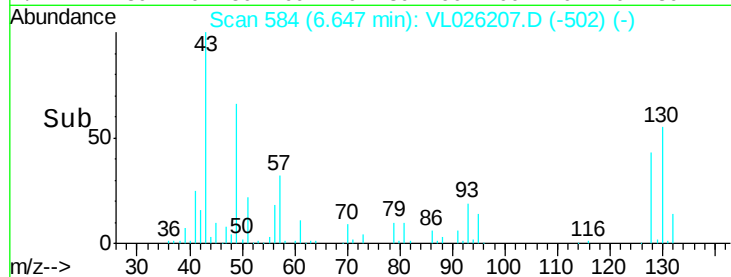
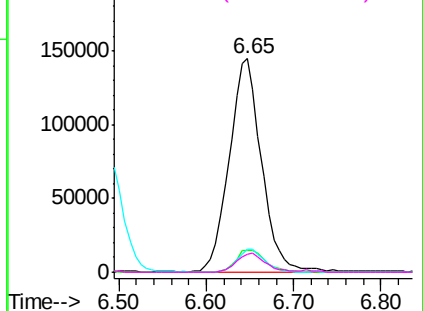
Tot Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.5	11.3
61	9.4	7.5	11.3
70	8.6	6.9	10.3

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 2.33 ppbv

RT: 6.63 min Scan# 581

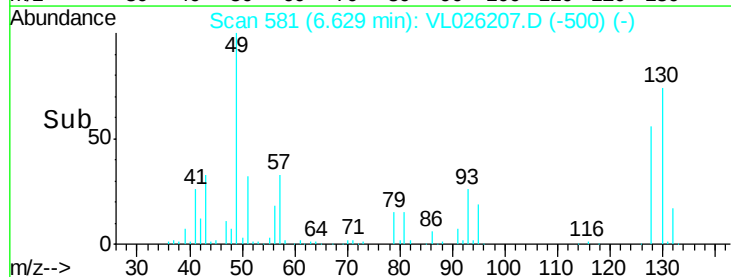
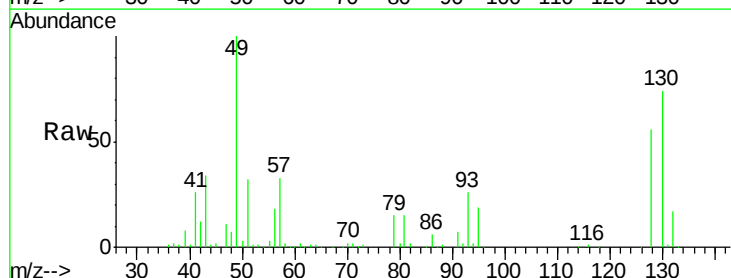
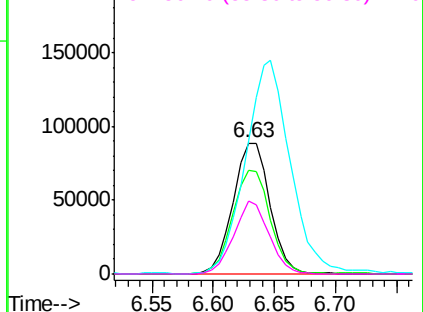
Delta R.T. -0.01 min

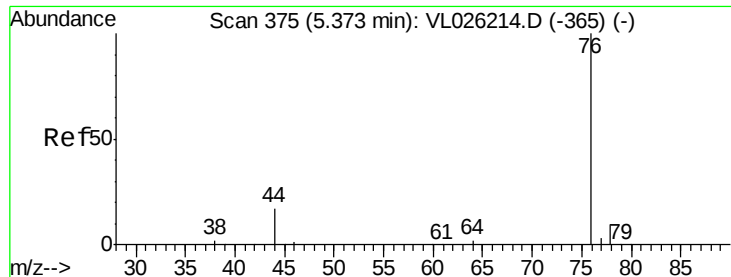
Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Lower	Upper
57	100		
41	82.0	67.0	100.6
43	200.9	156.0	234.0
56	52.9	42.1	63.1

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 2.32 ppbv

RT: 5.37 min Scan# 374

Delta R.T. -0.00 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

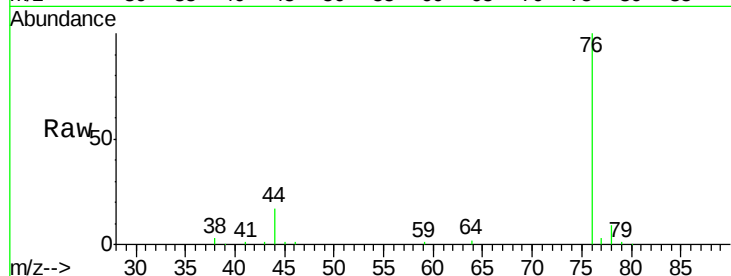
ClientSampleId :

VSTDIC002

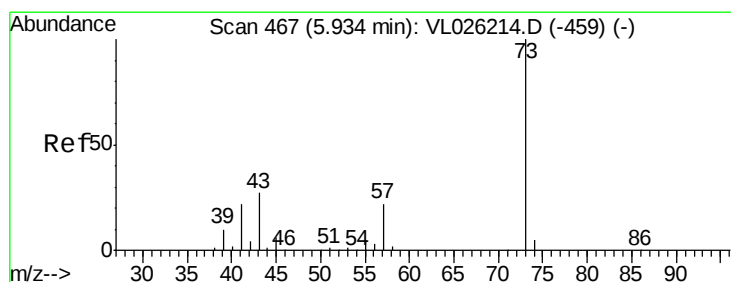
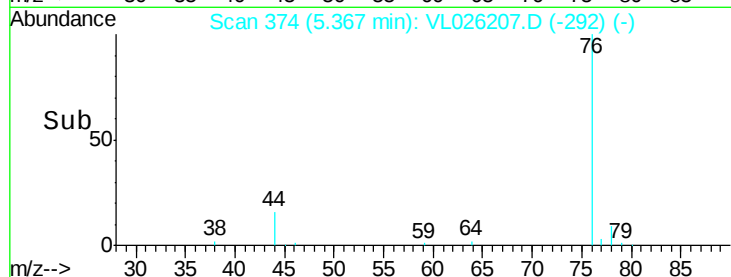
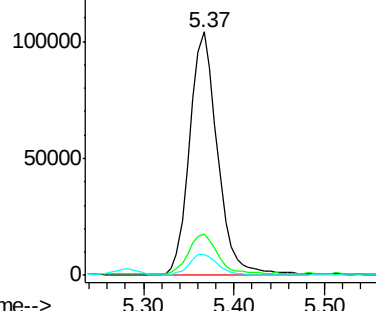
Tot Ion:	76	Resp:	225926
Ion Ratio	Lower	Upper	
76	100		
44	18.6	13.8	20.6
78	9.1	7.4	11.2

Manual Integrations
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10/22/2015 4:30:50 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 2.48 ppbv

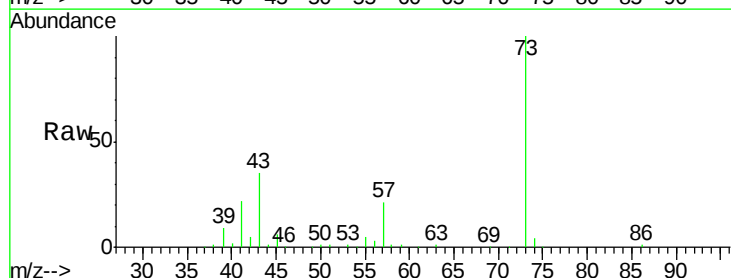
RT: 5.93 min Scan# 467

Delta R.T. 0.01 min

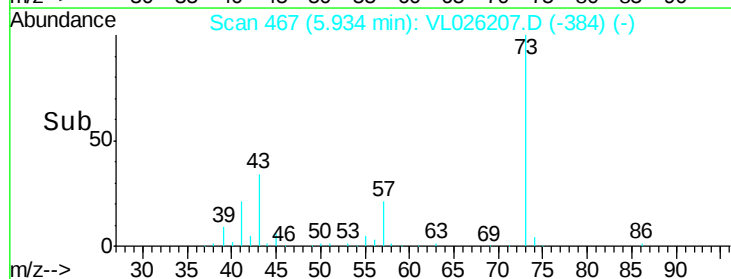
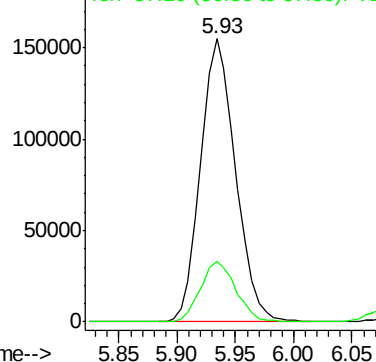
Lab File: VL026207.D

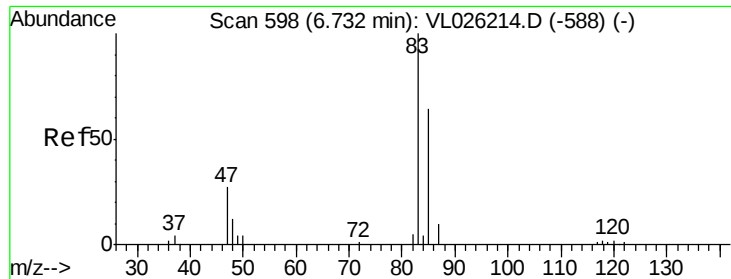
Acq: 20 Oct 2015 11:16

Tgt Ion:	73	Resp:	323553
Ion Ratio	Lower	Upper	
73	100		
57	21.8	17.9	26.9



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





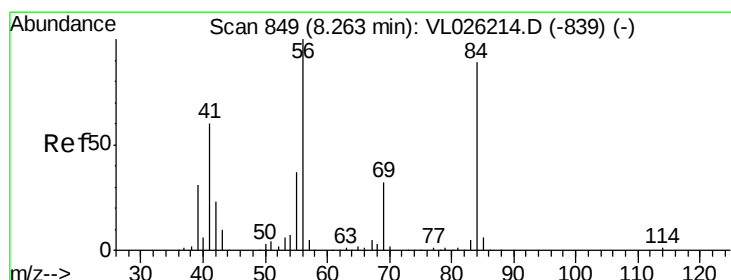
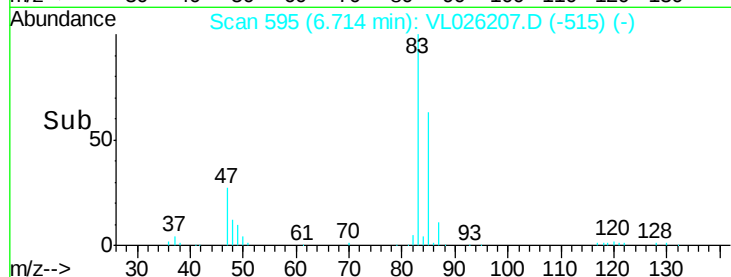
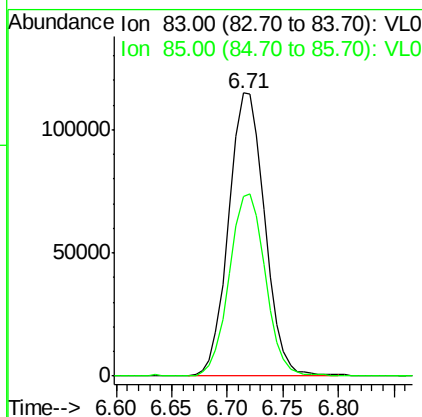
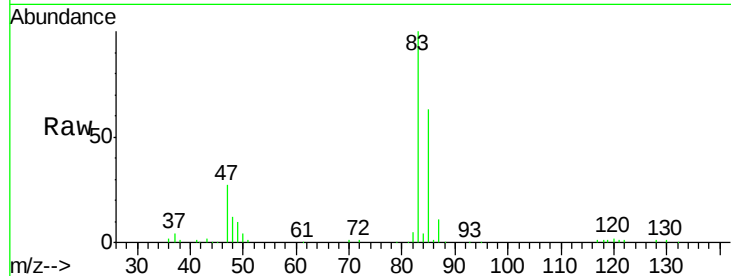
#29
Chloroform
Concen: 2.21 ppbv
RT: 6.71 min Scan# 595
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	258530
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	51.8	77.6

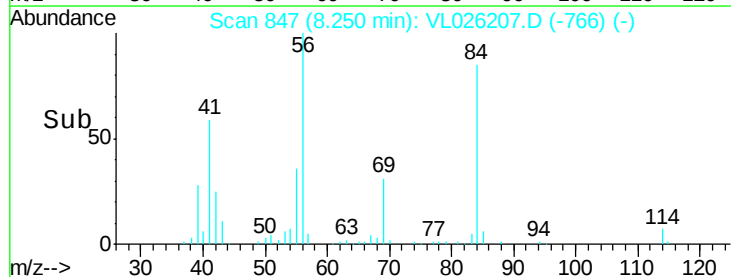
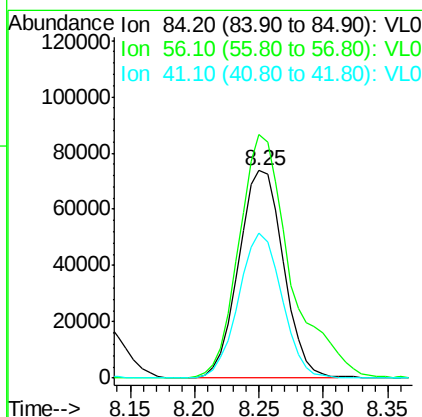
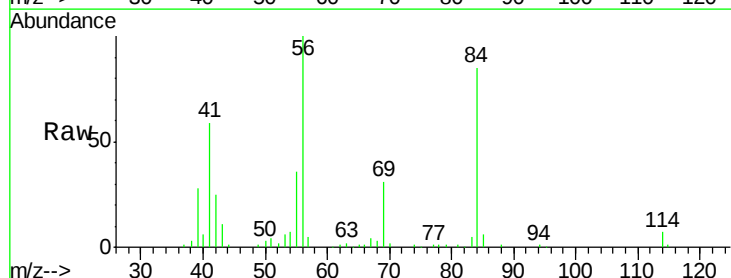
Manual Integrations
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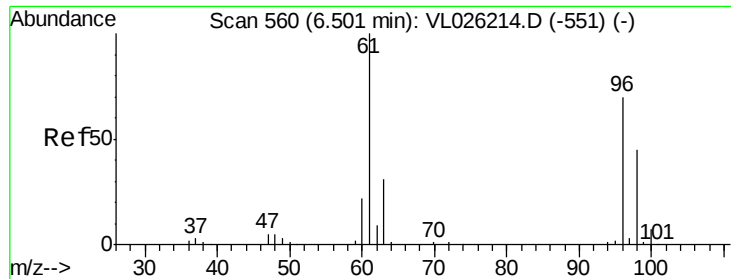
MMDadoda
10/22/2015 4:30:50 PM



#30
Cyclohexane
Concen: 2.34 ppbv
RT: 8.25 min Scan# 847
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion	84	Resp	178180
Ion Ratio	100	Lower	Upper
84	100		
56	135.0	97.5	146.3
41	67.6	54.6	81.8





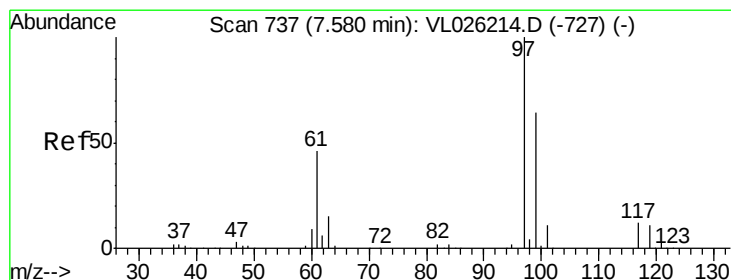
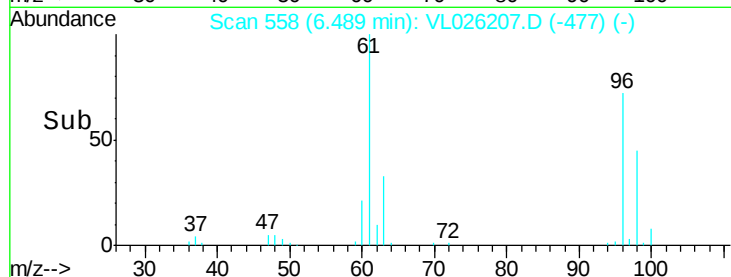
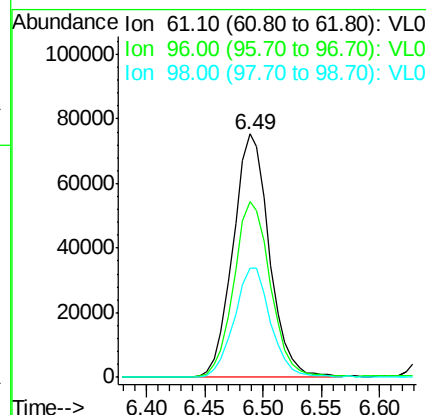
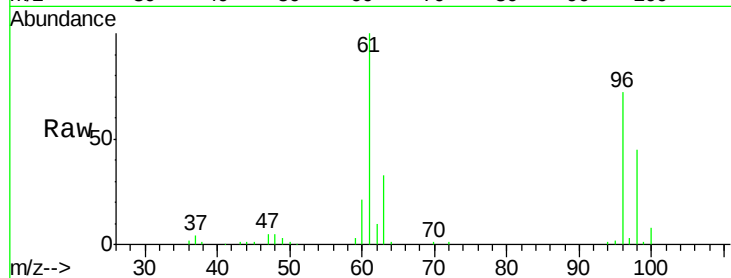
#31
 cis-1,2-Dichloroethene
 Concen: 2.28 ppbv
 RT: 6.49 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	72.0	57.9	86.9
98	45.1	37.2	55.8

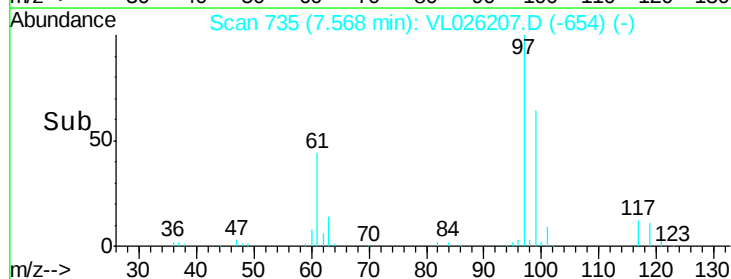
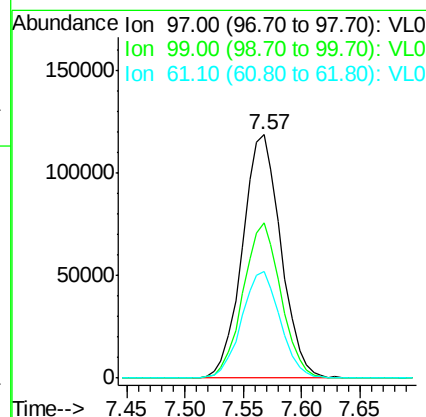
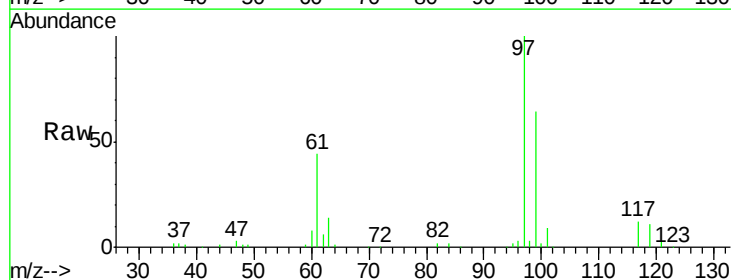
Manual Integrations
 APPROVED

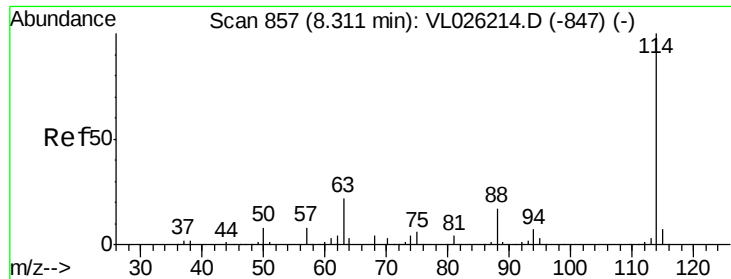
MMDadoda
 10/22/2015 4:30:50 PM



#32
 1,1,1-Trichloroethane
 Concen: 2.43 ppbv
 RT: 7.57 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.4	77.2
61	43.8	36.0	54.0





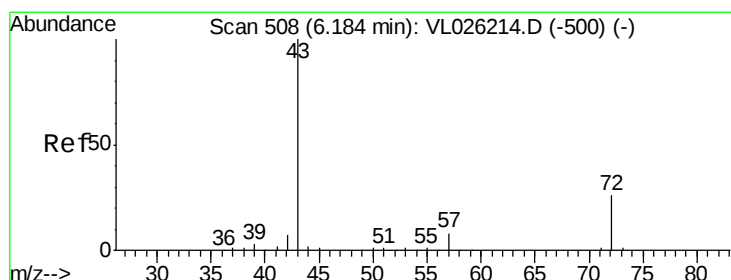
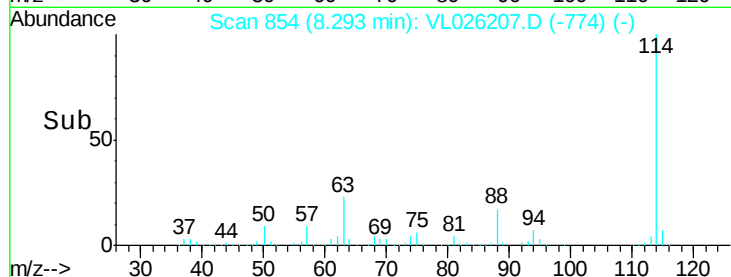
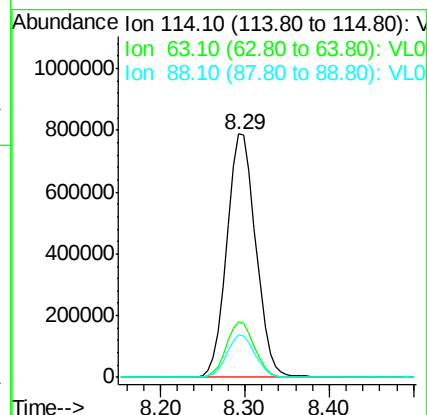
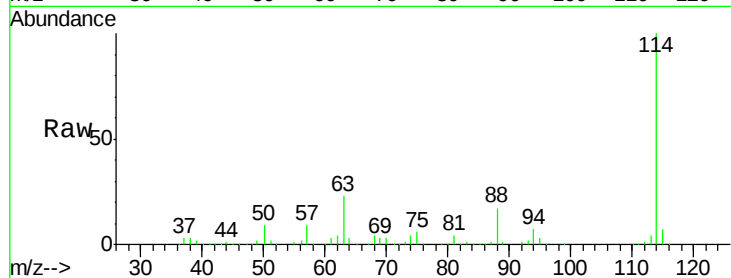
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.29 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:114 Resp: 1857860
 Ion Ratio Lower Upper
 114 100
 63 22.4 17.9 26.9
 88 16.9 13.6 20.4

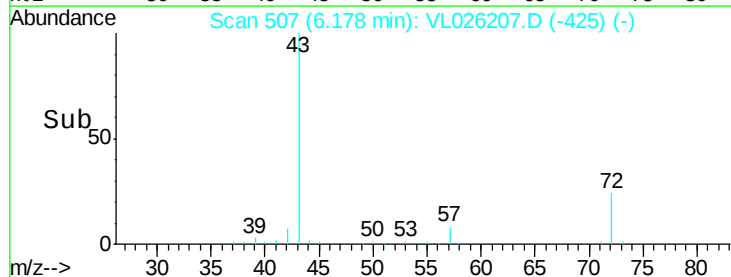
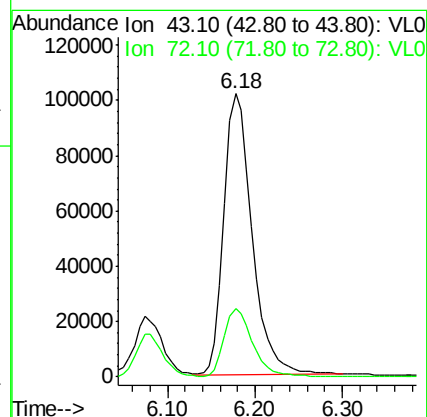
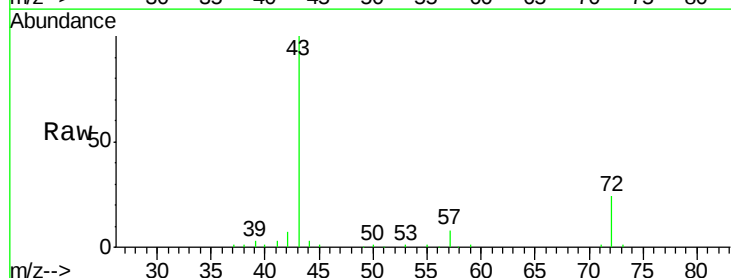
Manual Integrations
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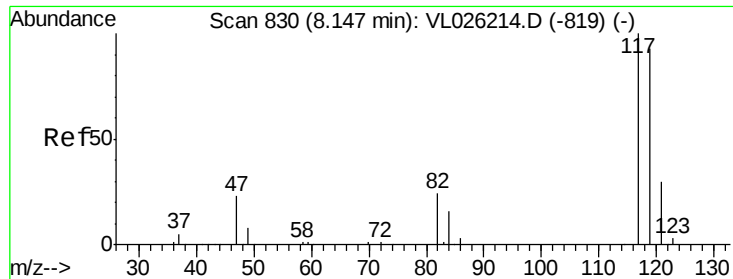
MMDadoda
 10/22/2015 4:30:50 PM



#34
 2-Butanone
 Concen: 2.22 ppbv
 RT: 6.18 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Tgt Ion: 43 Resp: 227896
 Ion Ratio Lower Upper
 43 100
 72 25.1 20.2 30.4





#35

Carbon Tetrachloride

Concen: 2.34 ppbv

RT: 8.13 min Scan# 827

Delta R.T. -0.01 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

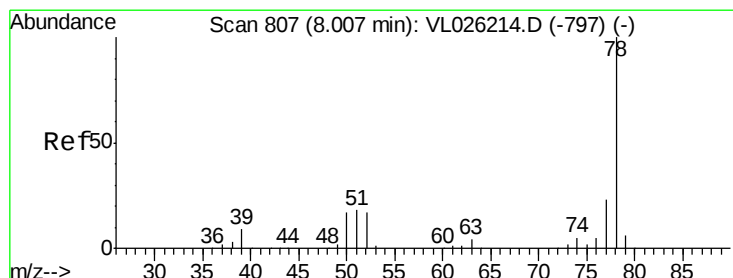
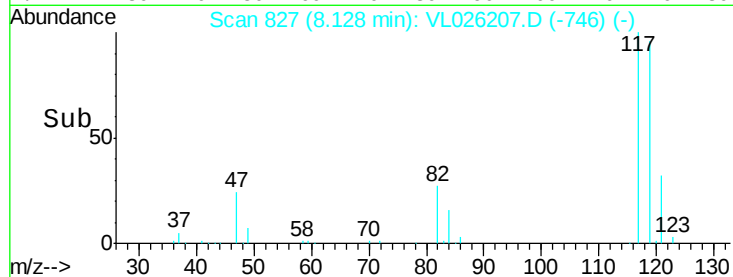
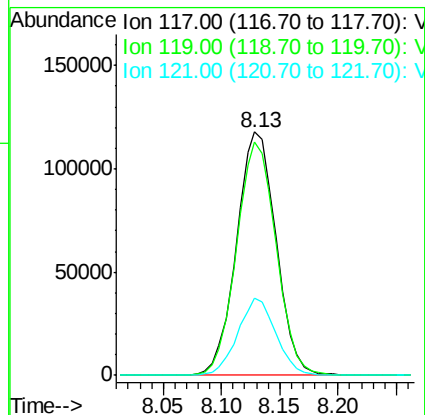
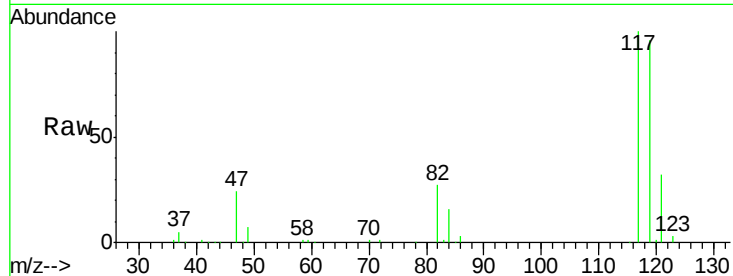
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	278889
Ion Ratio	Lower	Upper	
117	100		
119	95.6	78.3	117.5
121	31.9	25.0	37.6

Manual Integrations
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10/22/2015 4:30:50 PM



#36

Benzene

Concen: 2.25 ppbv

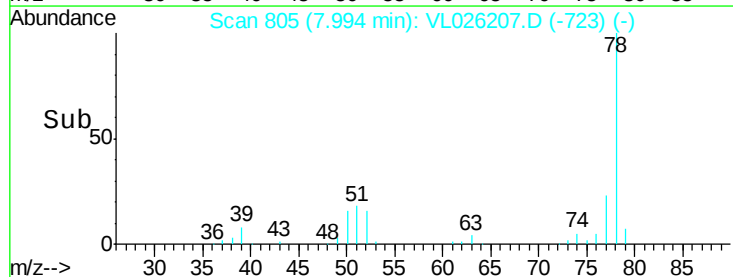
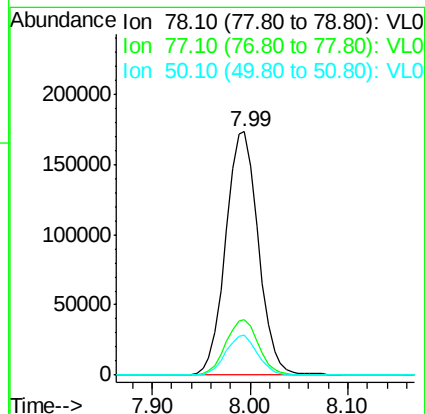
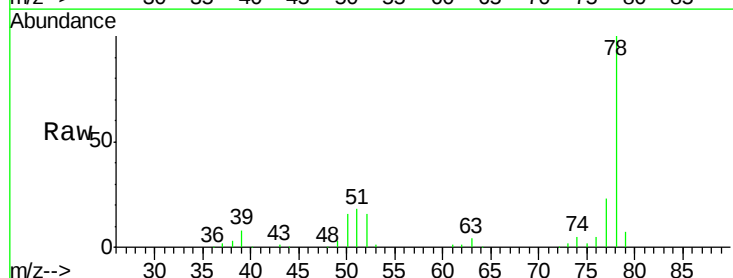
RT: 7.99 min Scan# 805

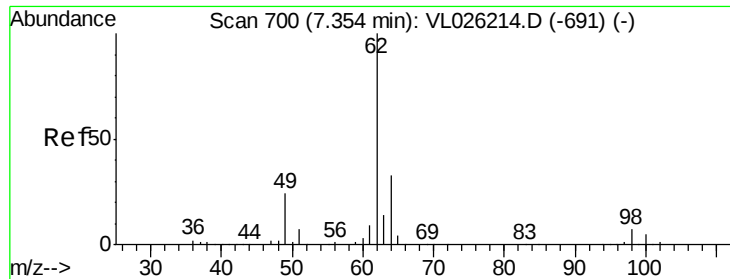
Delta R.T. -0.00 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Tgt Ion:	78	Resp:	402182
Ion Ratio	Lower	Upper	
78	100		
77	22.7	18.1	27.1
50	16.5	13.4	20.0





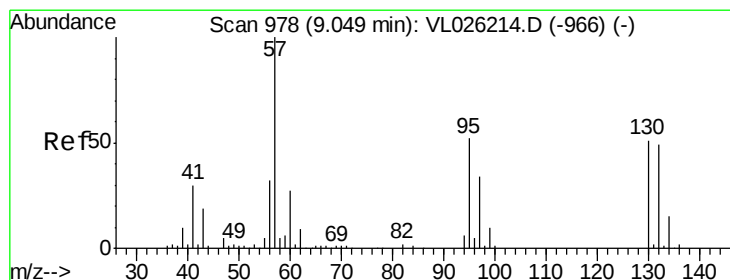
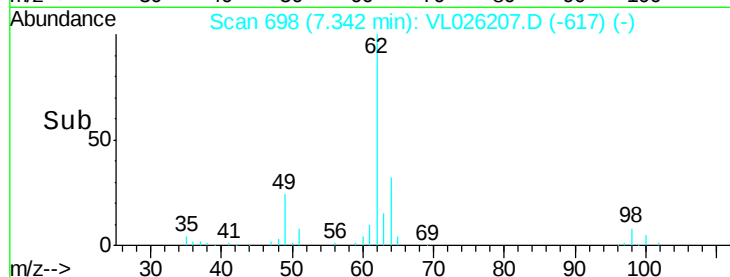
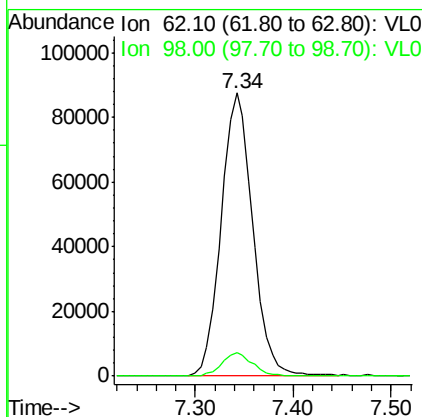
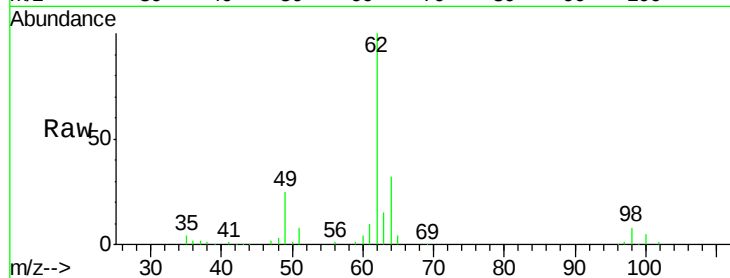
#37
1,2-Dichloroethane
Concen: 2.06 ppbv
RT: 7.34 min Scan# 698
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	195657		
98	8.0	6.2	9.4	

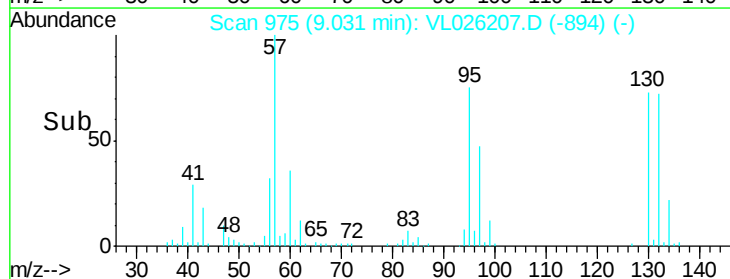
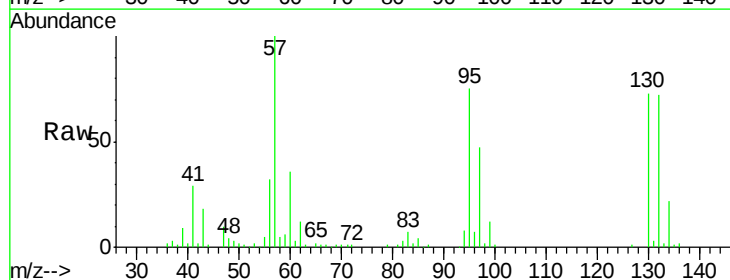
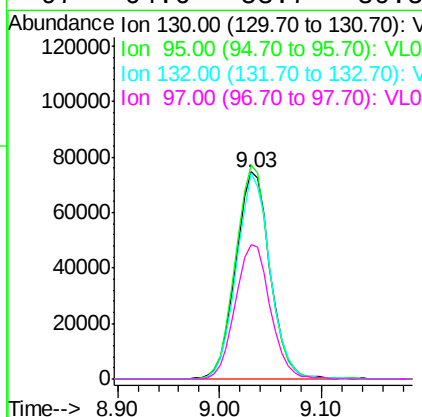
Manual Integrations
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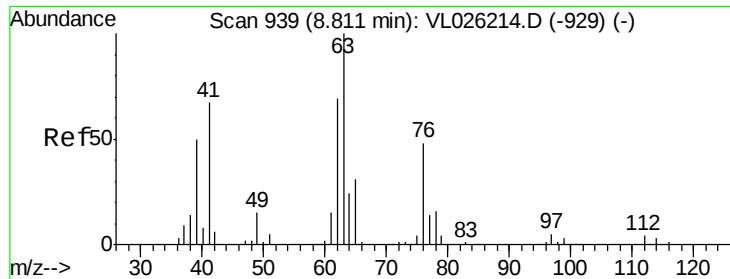
MMDadoda
10/22/2015 4:30:50 PM



#38
Trichloroethene
Concen: 2.13 ppbv
RT: 9.03 min Scan# 975
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	175160		
95	103.1	84.2	126.2	
132	99.6	78.5	117.7	
97	64.6	53.7	80.5	





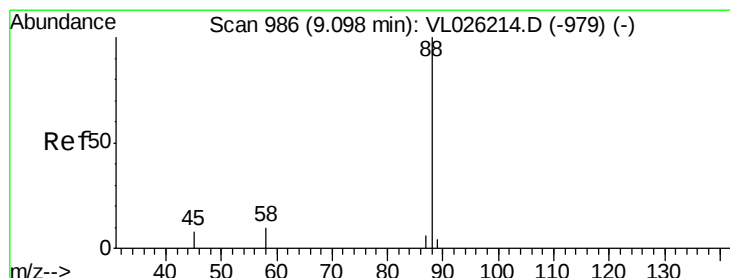
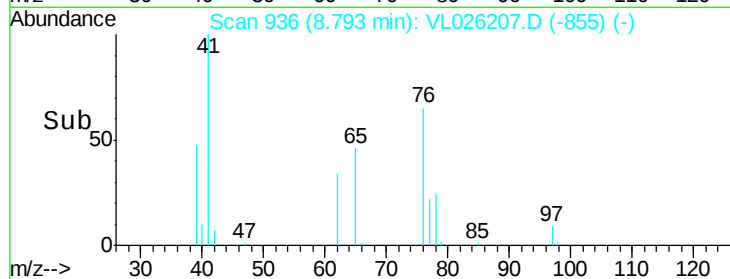
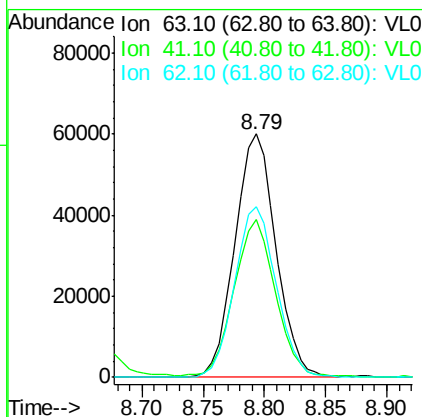
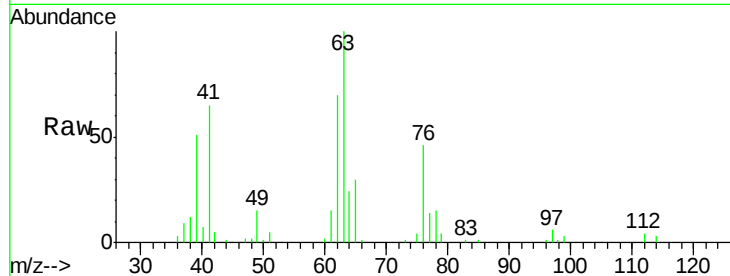
#39
 1,2-Dichloropropane
 Concen: 2.13 ppbv
 RT: 8.79 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	64.3	54.0	81.0
62	70.1	56.7	85.1

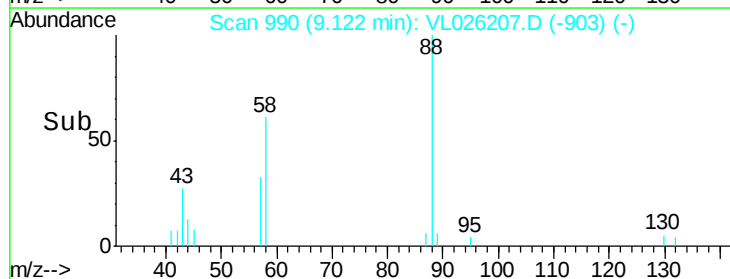
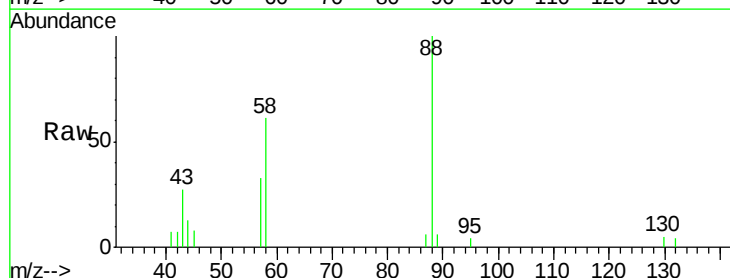
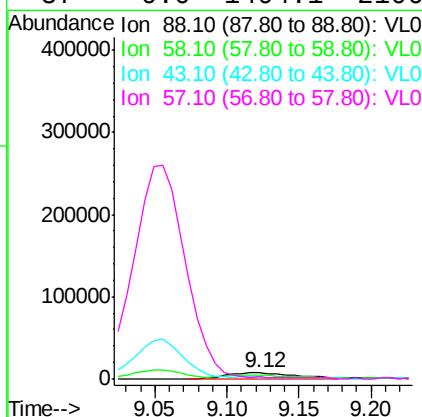
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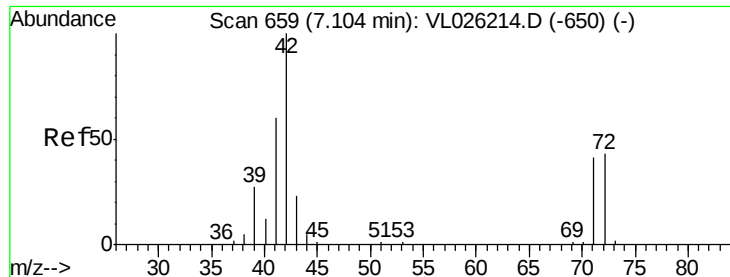
MMDadoda
 10/22/2015 4:30:50 PM



#40
 1,4-Dioxane
 Concen: 2.11 ppbv
 RT: 9.12 min Scan# 990
 Delta R.T. 0.03 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	79.9	115.9	173.9#
43	0.0	279.4	419.0#
57	0.0	1404.1	2106.1#





#41

Tetrahydrofuran

Concen: 2.32 ppbv

RT: 7.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

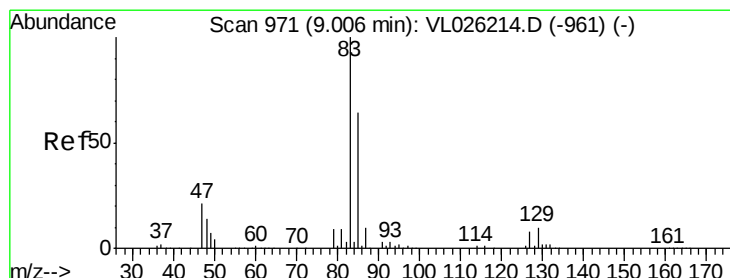
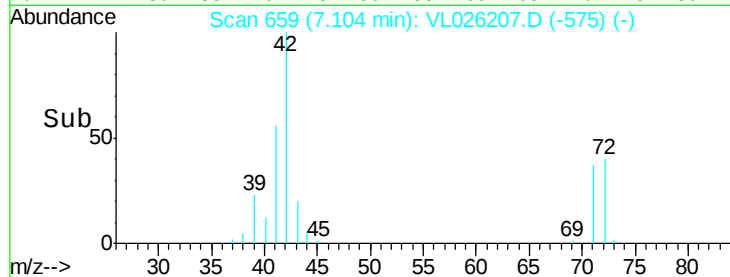
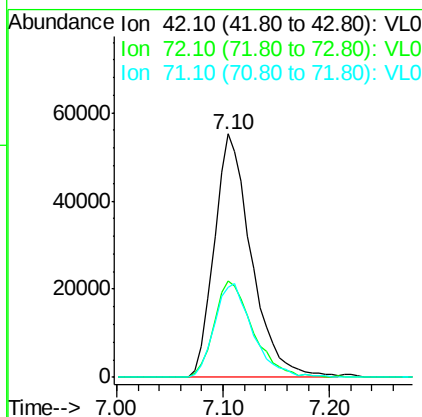
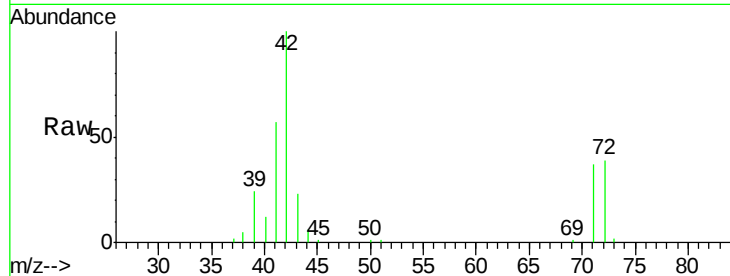
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	133377
Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.8	50.6
71	39.8	32.3	48.5

Manual Integrations
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#42

Bromodichloromethane

Concen: 2.32 ppbv

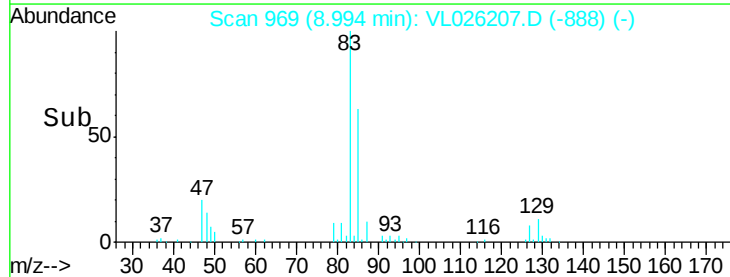
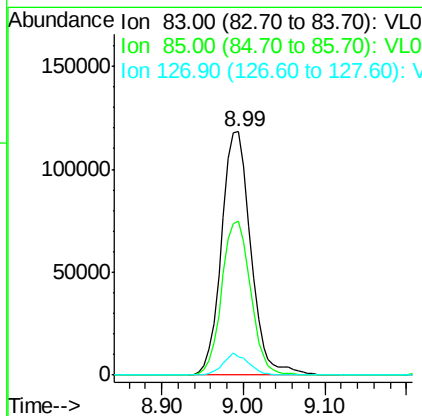
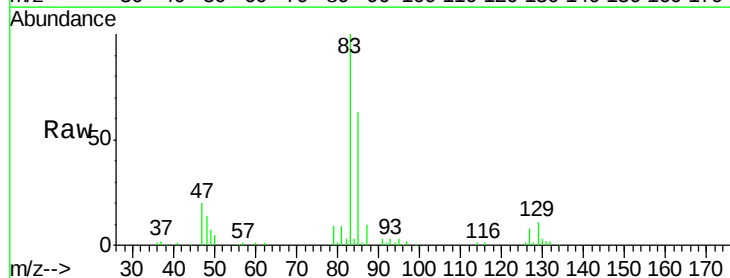
RT: 8.99 min Scan# 969

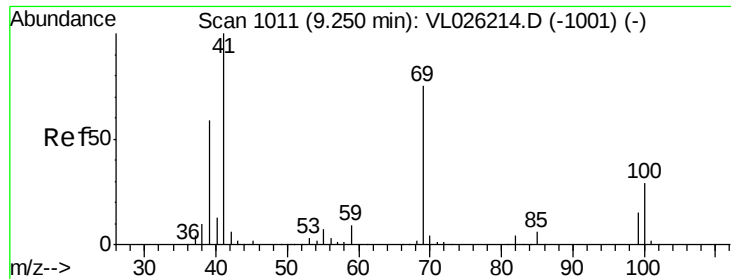
Delta R.T. -0.01 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Tgt Ion:	83	Resp:	294673
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	75.8
127	7.6	6.5	9.7





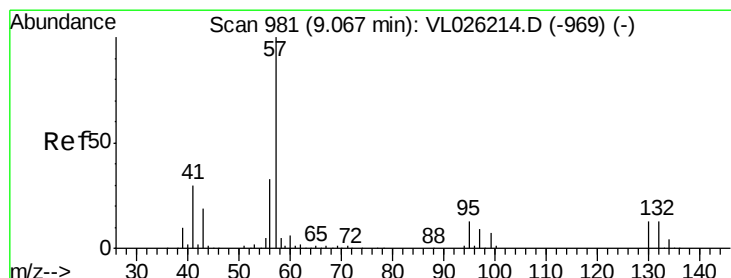
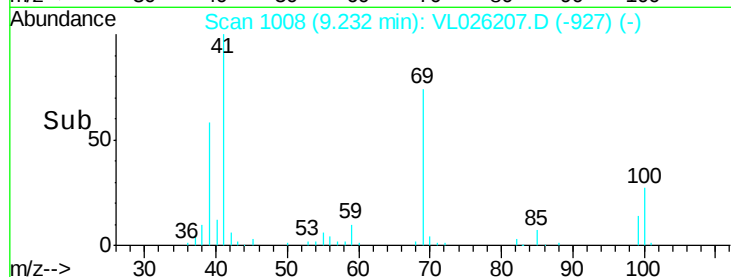
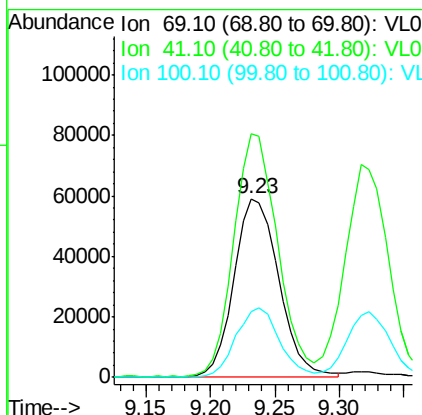
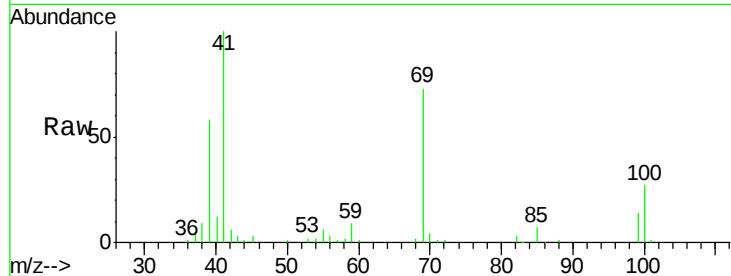
#43
Methvl Methacrylate
Concen: 2.29 ppbv
RT: 9.23 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	132.2	109.0	163.4
100	37.3	31.0	46.6

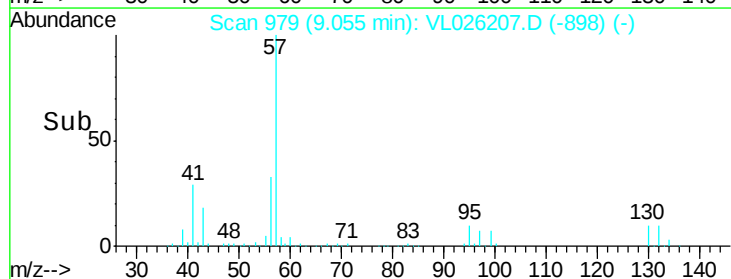
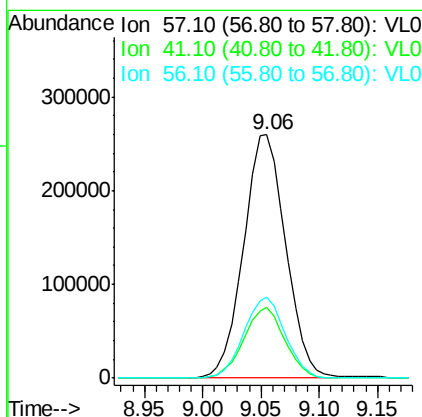
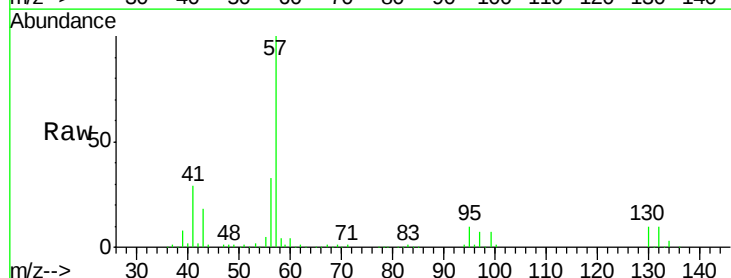
Manual Integrations
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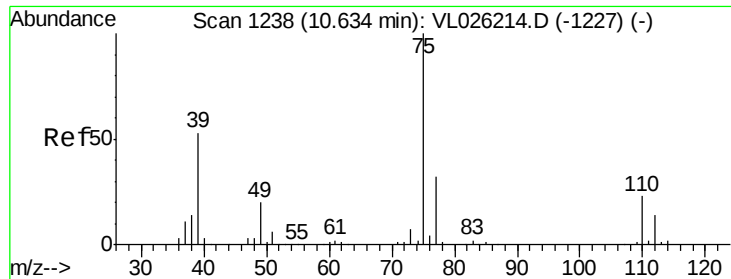
MMDadoda
10/22/2015 4:30:50 PM



#44
2,2,4-Trimethylpentane
Concen: 2.21 ppbv
RT: 9.06 min Scan# 979
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Lower	Upper
57	100		
41	28.6	24.0	36.0
56	32.7	26.6	39.8





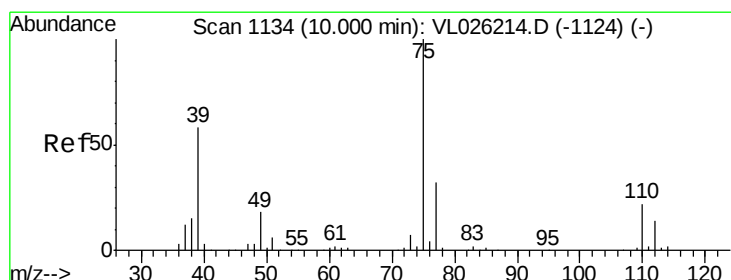
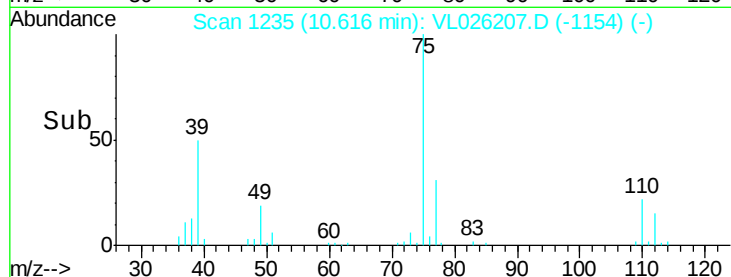
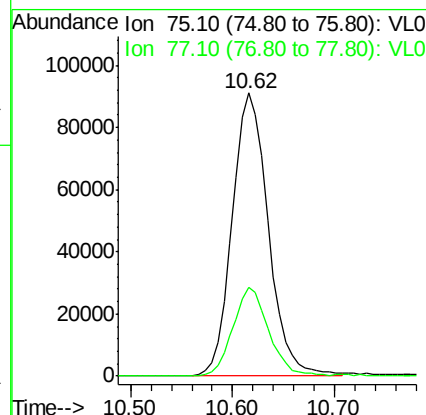
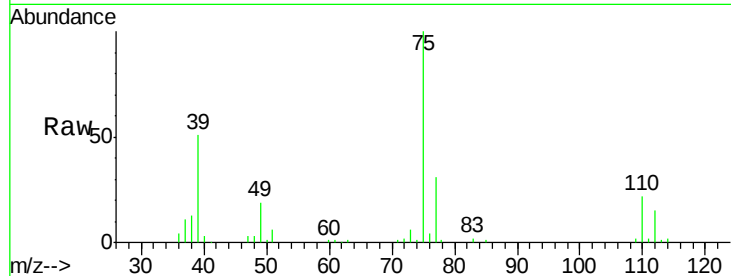
#45
t-1,3-Dichloropropene
Concen: 2.56 ppbv
RT: 10.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 75 Resp: 223833
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3

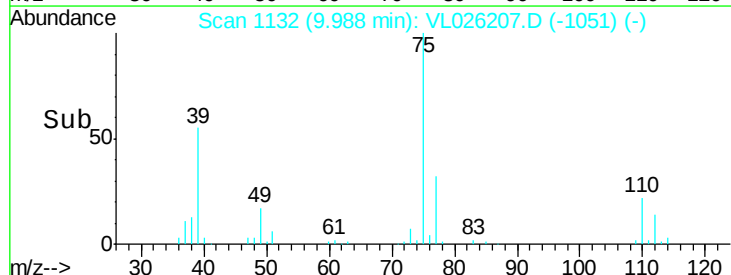
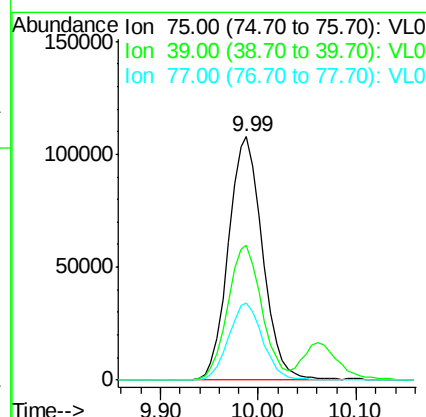
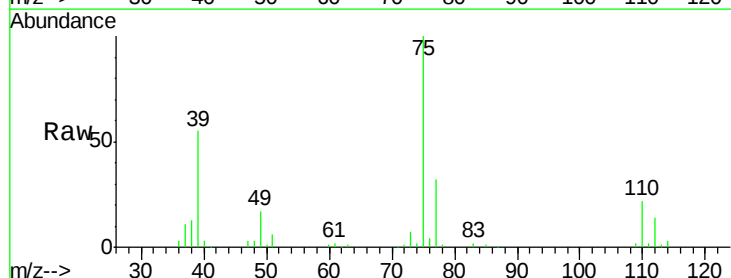
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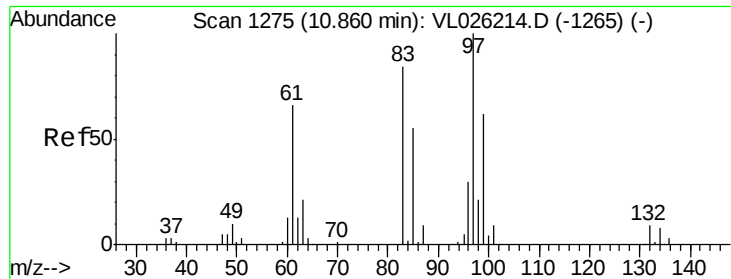
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 2.43 ppbv
RT: 9.99 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion: 75 Resp: 260593
Ion Ratio Lower Upper
75 100
39 55.2 45.3 67.9
77 31.5 25.3 37.9





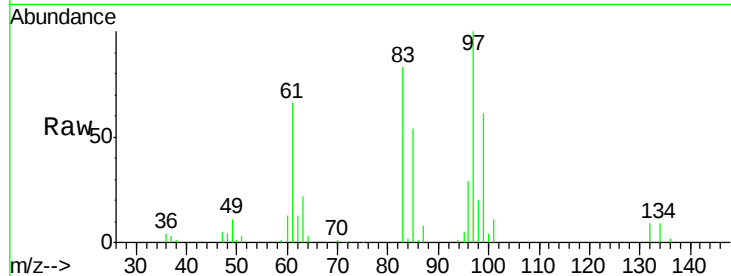
#47
 1,1,2-Trichloroethane
 Concen: 2.20 ppbv
 RT: 10.84 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	97	Resp:	175128
Ion	Ratio	Lower	Upper
97	100		
83	83.2	68.6	103.0
85	53.6	43.5	65.3
99	61.4	49.4	74.2

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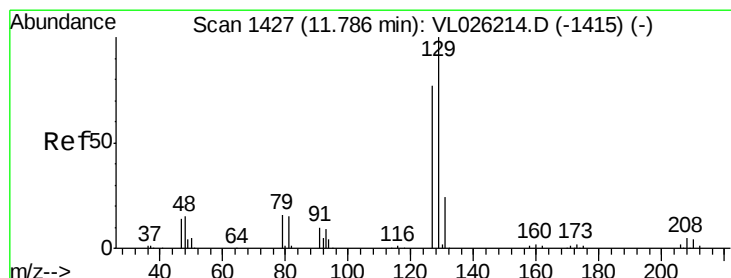
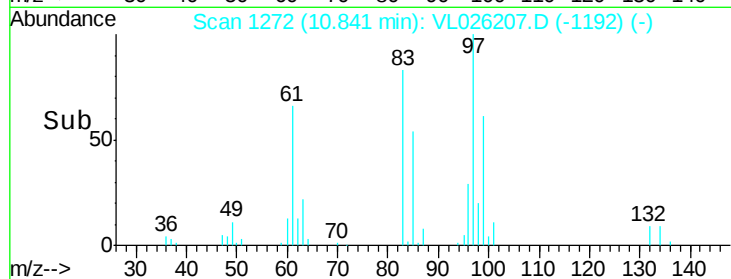
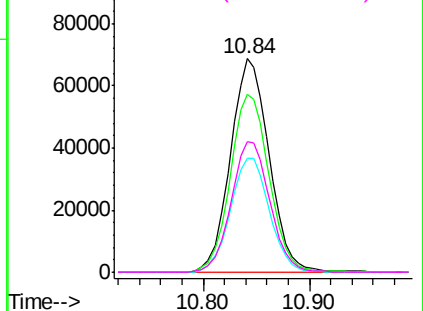
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

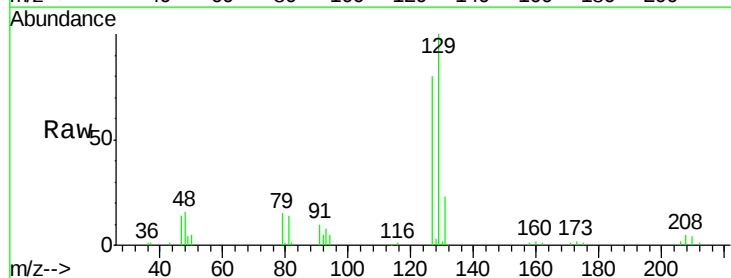
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 2.51 ppbv
 RT: 11.76 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

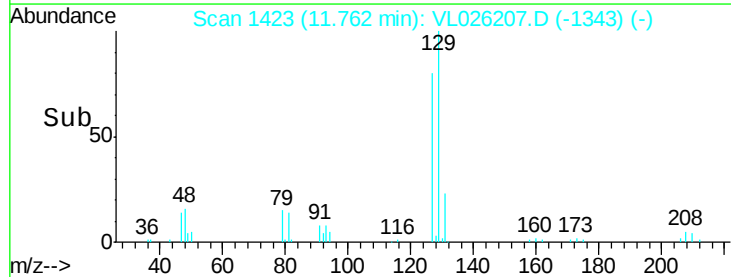
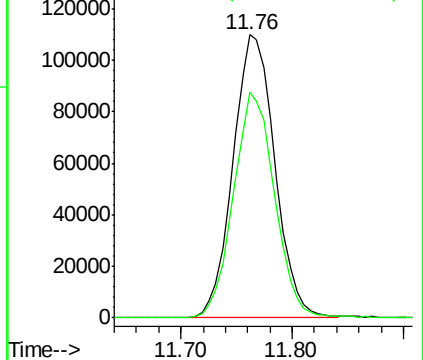
Tgt Ion:	129	Resp:	287015
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.2	117.6

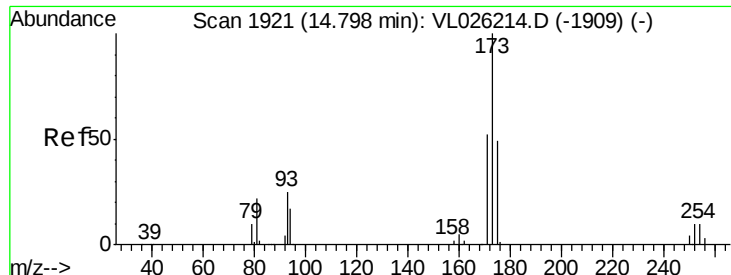


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





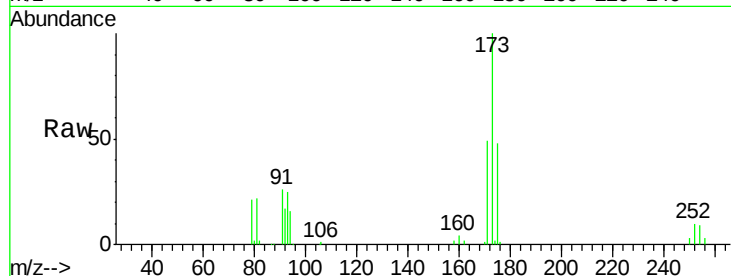
#49
Bromoform
Concen: 2.78 ppbv
RT: 14.77 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

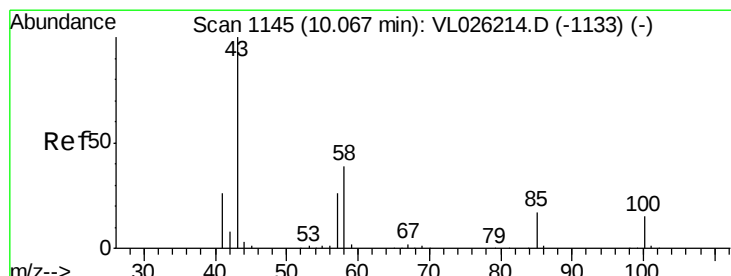
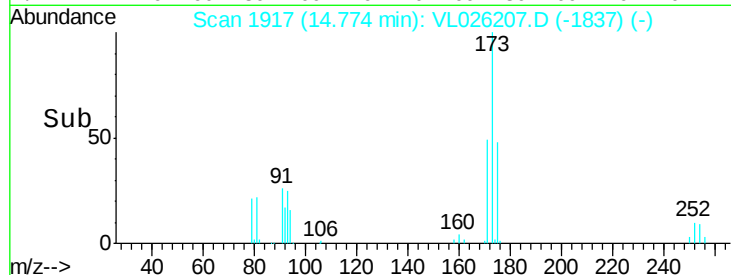
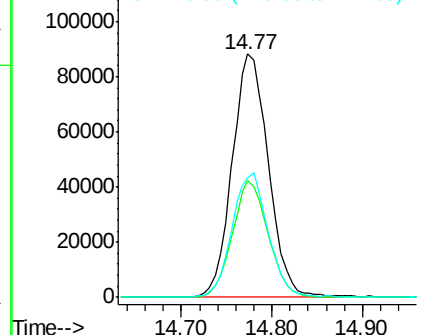
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	38.7	58.1
171	51.0	41.4	62.0

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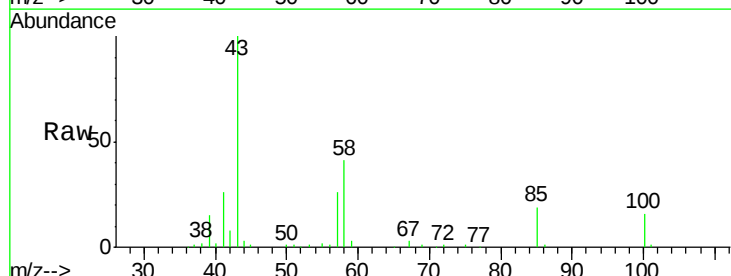


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

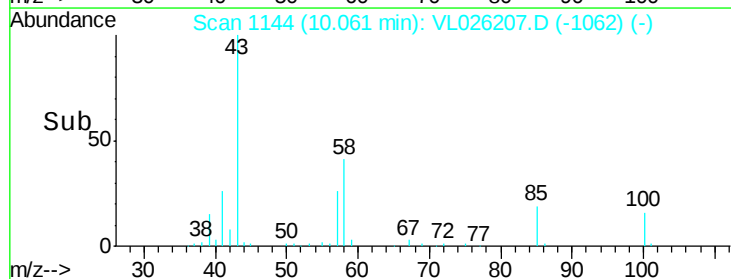
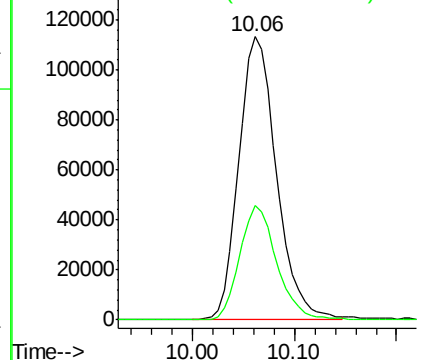


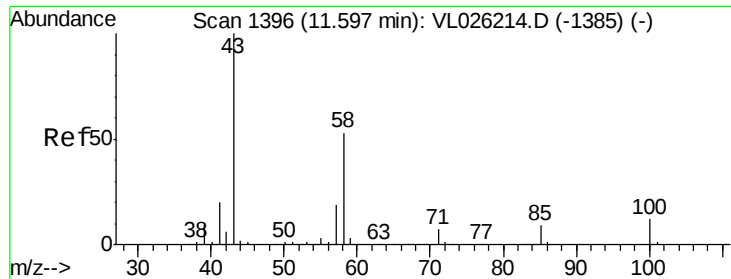
#50
4-Methyl-2-Pentanone
Concen: 2.14 ppbv
RT: 10.06 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.3	46.9



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





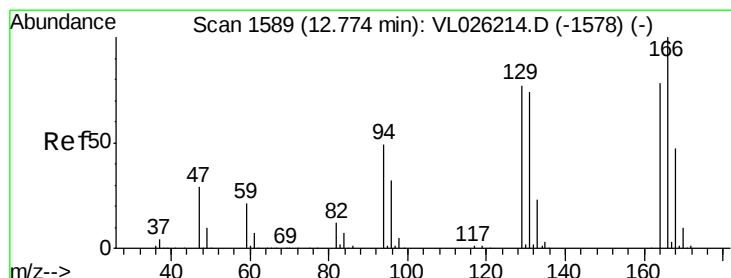
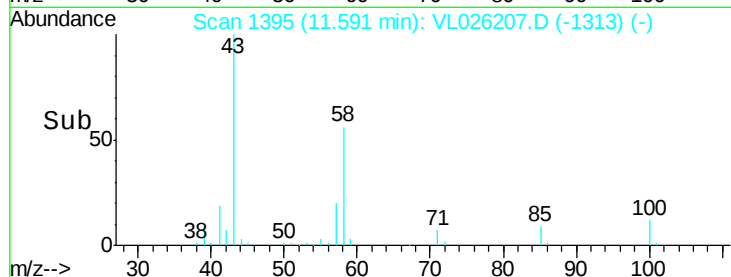
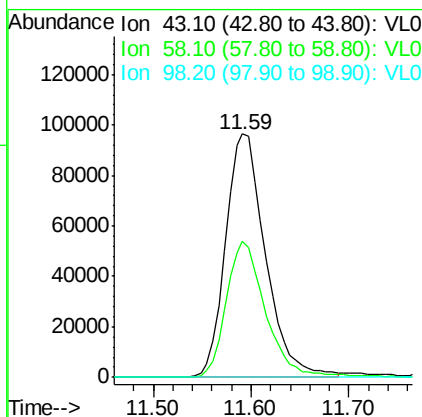
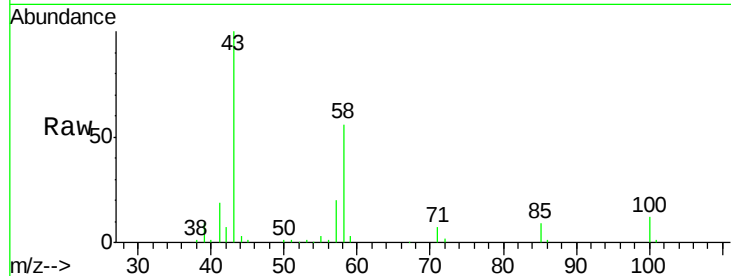
#51
2-Hexanone
Concen: 2.25 ppbv
RT: 11.59 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	43.9	65.9
98	0.0	0.1	0.1#

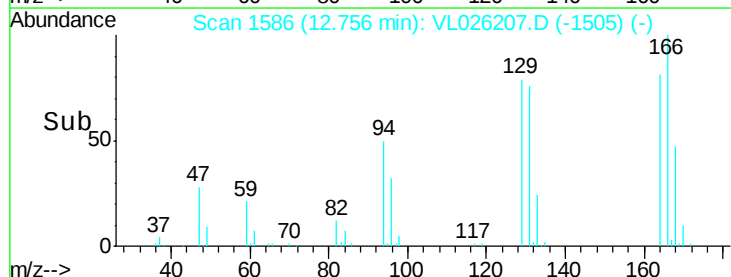
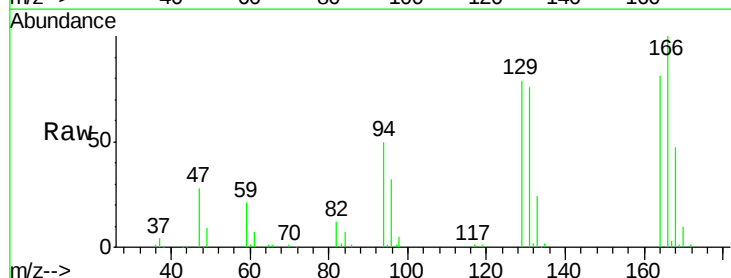
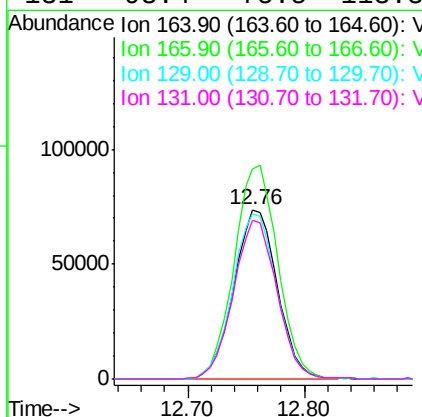
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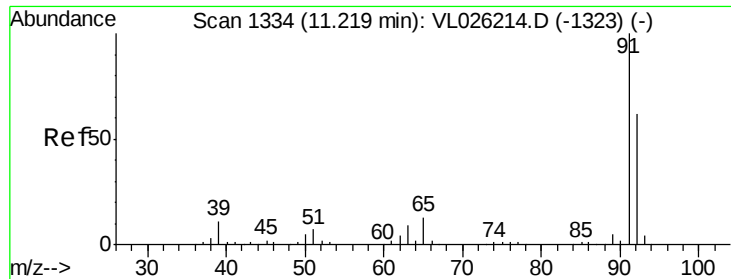
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#52
Tetrachloroethene
Concen: 2.17 ppbv
RT: 12.76 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.0	100.9	151.3
129	97.5	79.7	119.5
131	93.4	75.5	113.3





#53

Toluene

Concen: 2.37 ppbv

RT: 11.20 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 546783

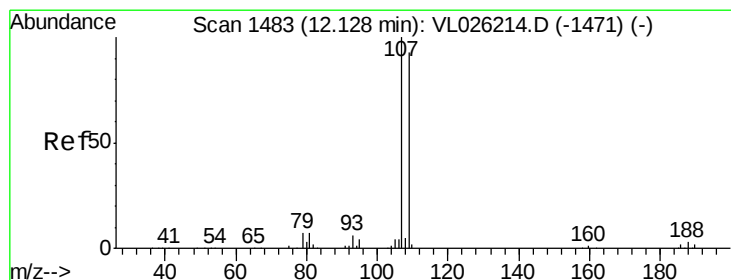
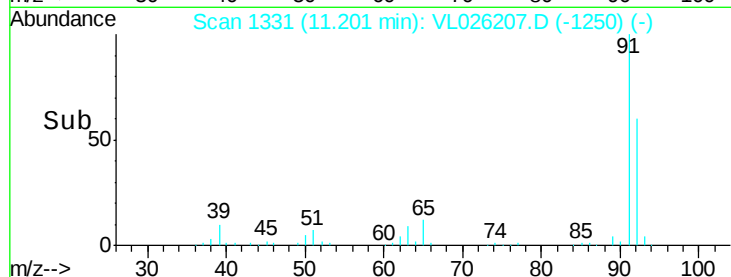
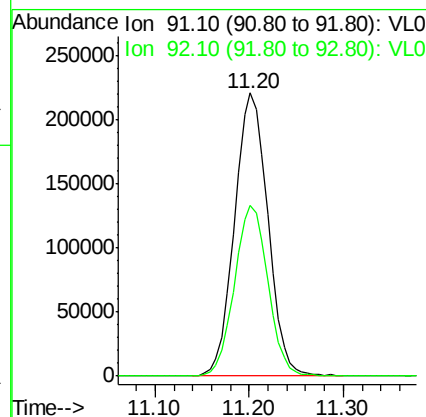
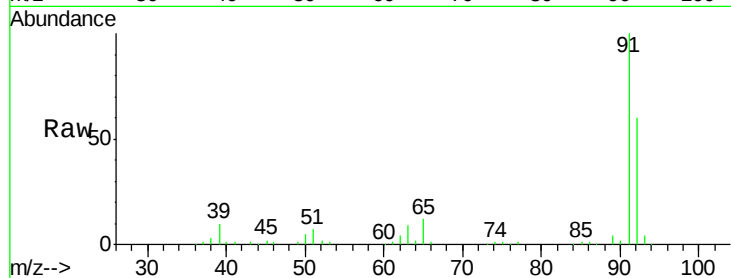
Ion Ratio Lower Upper

91 100

92 60.5 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 2.28 ppbv

RT: 12.10 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VL026207.D

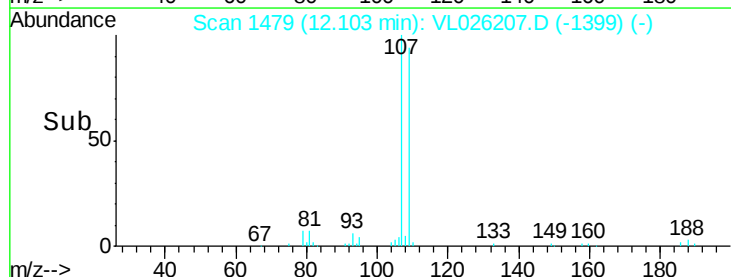
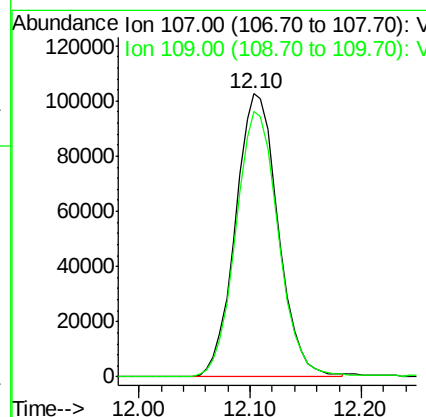
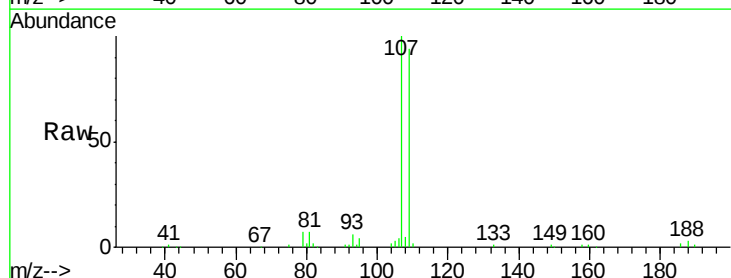
Acq: 20 Oct 2015 11:16

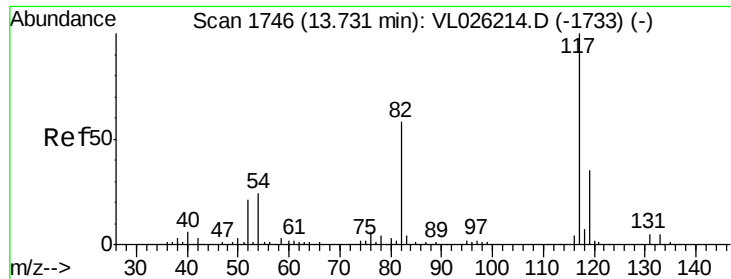
Tgt Ion: 107 Resp: 272099

Ion Ratio Lower Upper

107 100

109 94.0 74.6 112.0





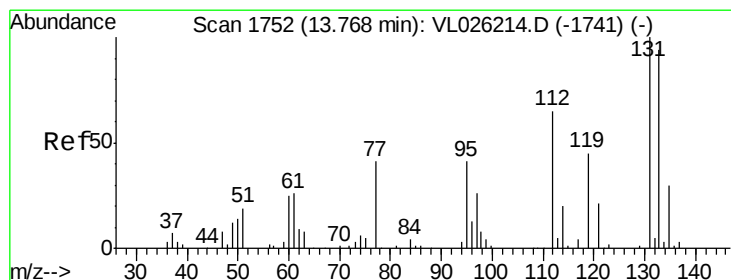
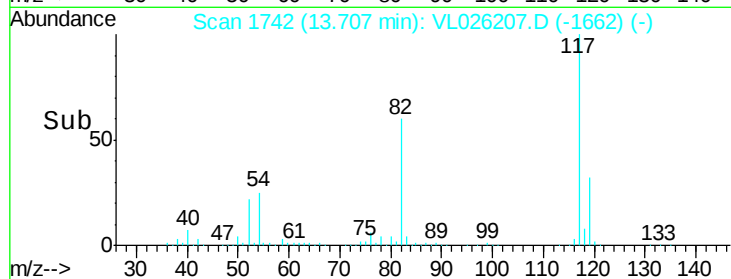
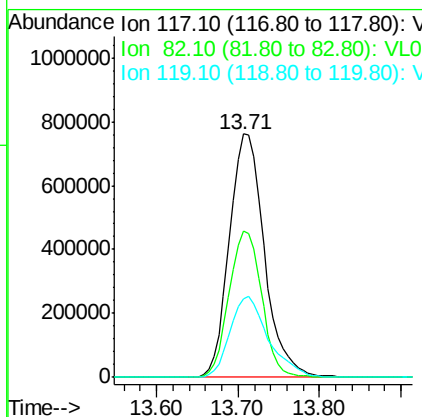
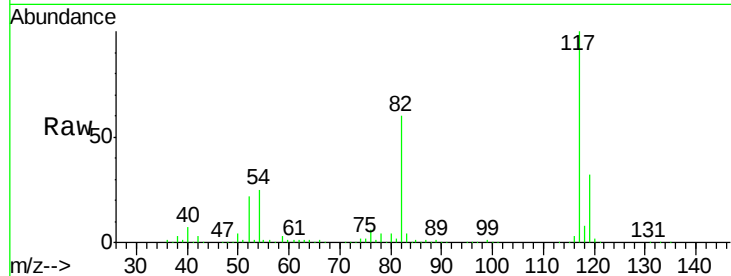
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1742
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:117 Resp: 2261578
Ion Ratio Lower Upper
117 100
82 56.7 46.3 69.5
119 36.7 45.0 67.4#

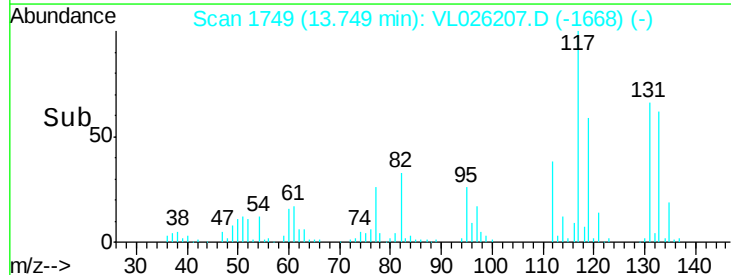
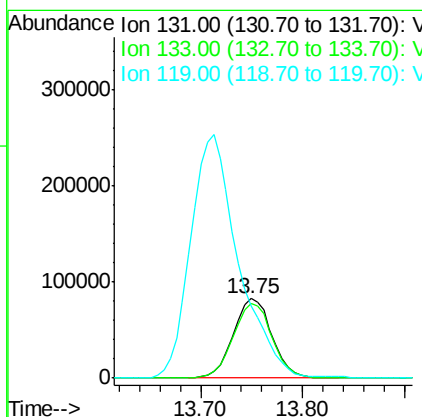
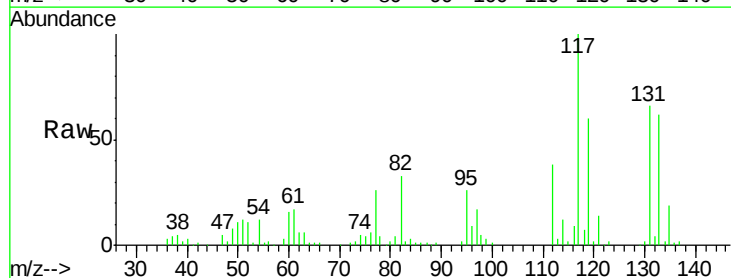
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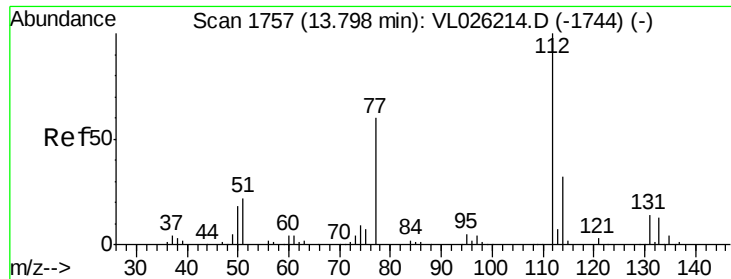
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.34 ppbv
RT: 13.75 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion:131 Resp: 215526
Ion Ratio Lower Upper
131 100
133 95.5 76.1 114.1
119 384.2 109.4 164.2#





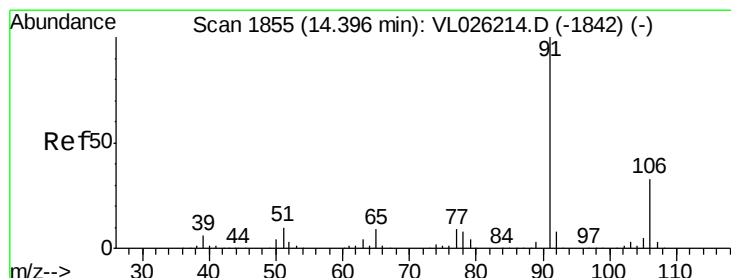
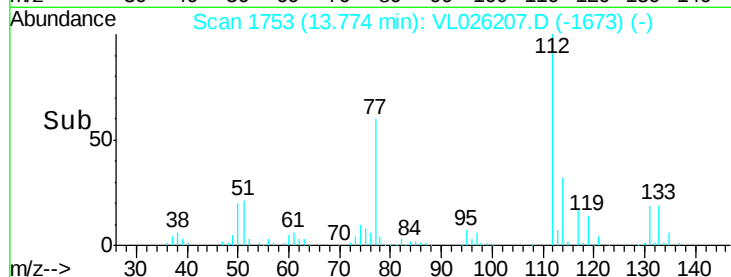
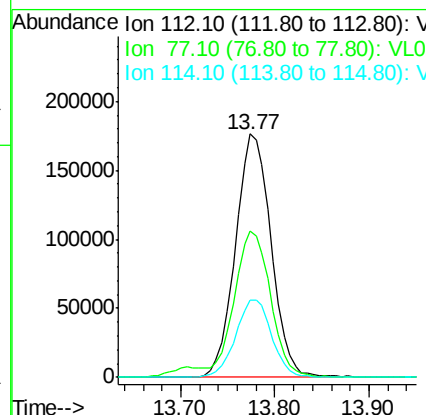
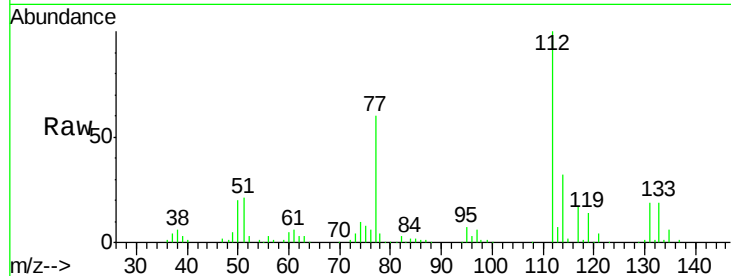
#57
Chlorobenzene
Concen: 2.26 ppbv
RT: 13.77 min Scan# 1753
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	59.6	48.2	72.4
114	31.7	29.0	35.4

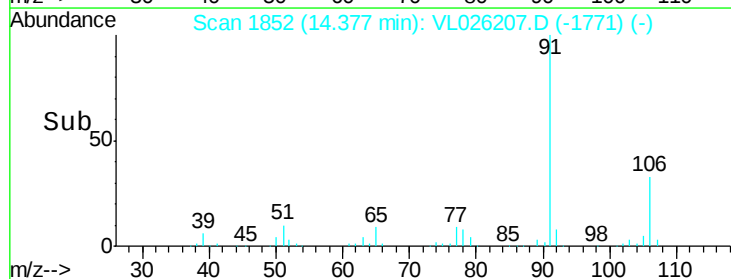
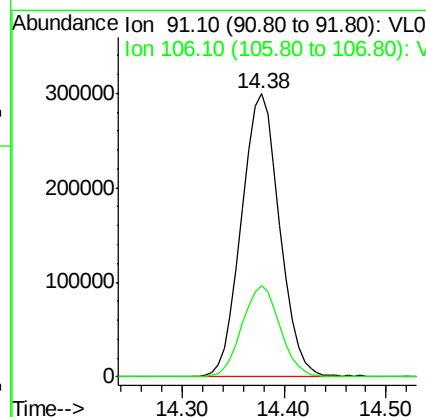
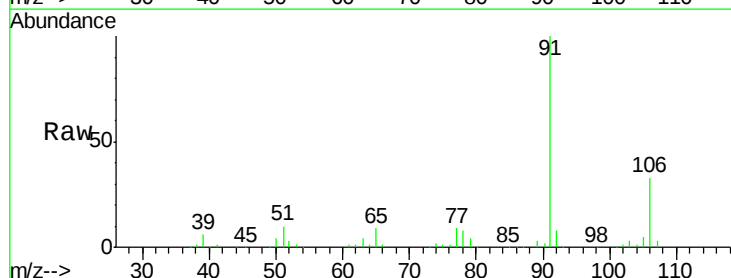
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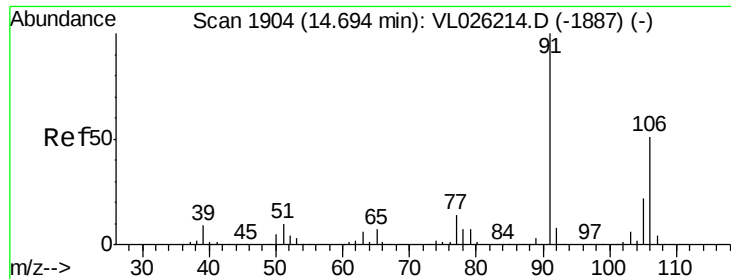
MMDadoda
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#58
Ethyl Benzene
Concen: 2.35 ppbv
RT: 14.38 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.5	26.2	39.2





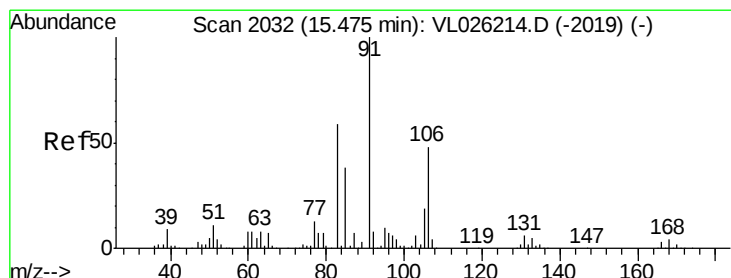
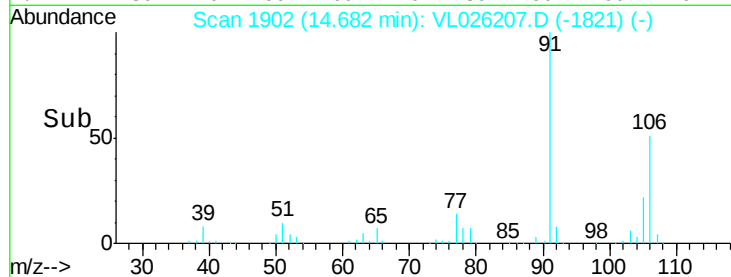
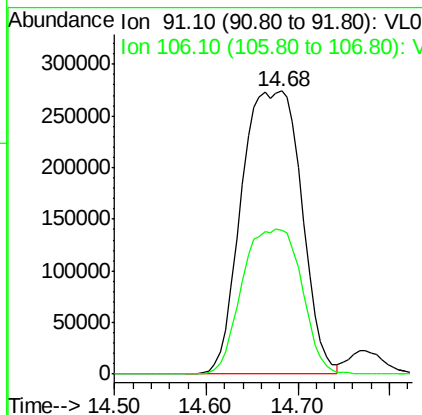
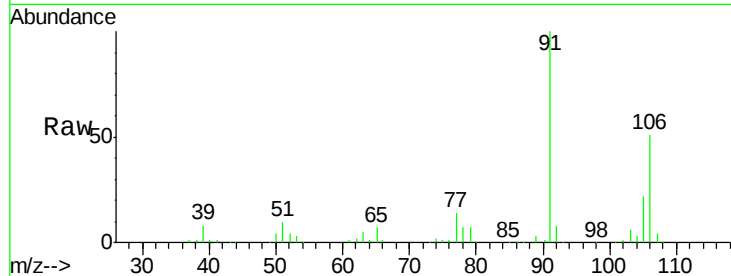
#59
m/p-Xylene
Concen: 4.68 ppbv m
RT: 14.68 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1244284
Ion Ratio Lower Upper
91 100
106 50.9 40.6 60.8

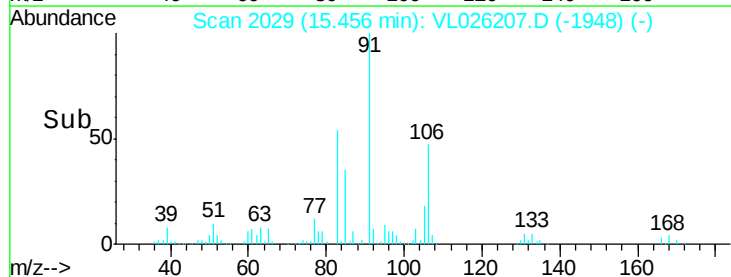
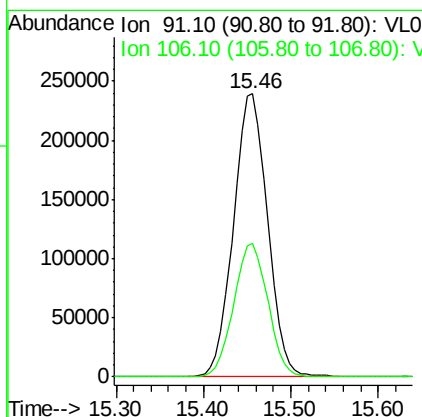
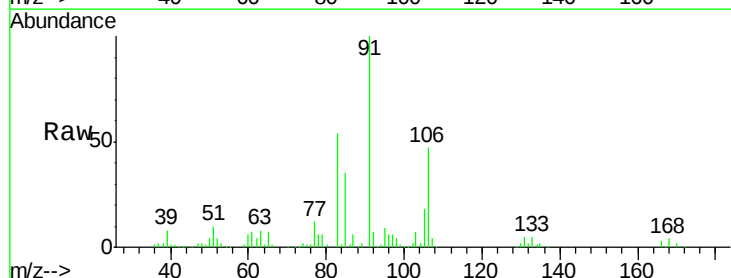
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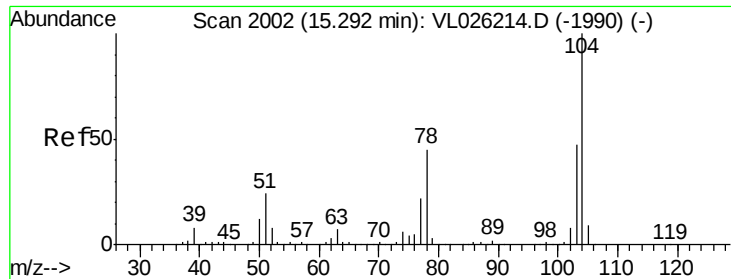
MMDadoda
10/22/2015 4:30:50 PM



#60
o-Xylene
Concen: 2.33 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion: 91 Resp: 649147
Ion Ratio Lower Upper
91 100
106 47.4 23.6 71.0





#61

Stvrene

Concen: 2.52 ppbv

RT: 15.27 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

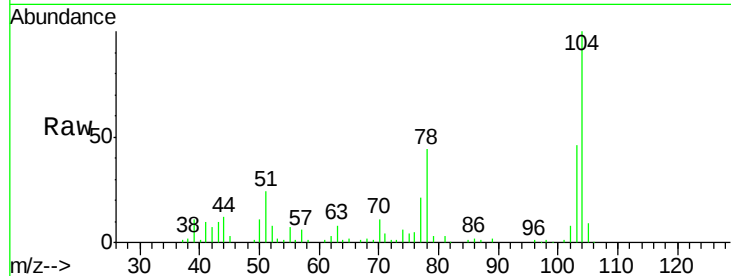
ClientSampleId :

VSTDIC002

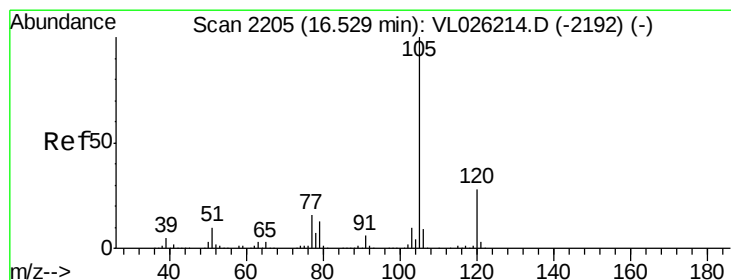
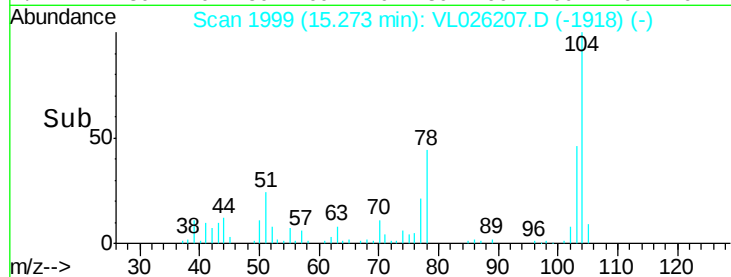
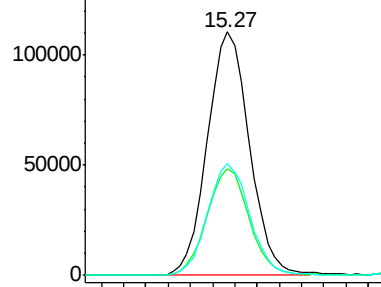
Tot Ion:	104	Resp:	290626
Ion Ratio	Lower	Upper	
104	100		
78	43.7	35.6	53.4
103	46.2	37.1	55.7

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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: 2.41 ppbv

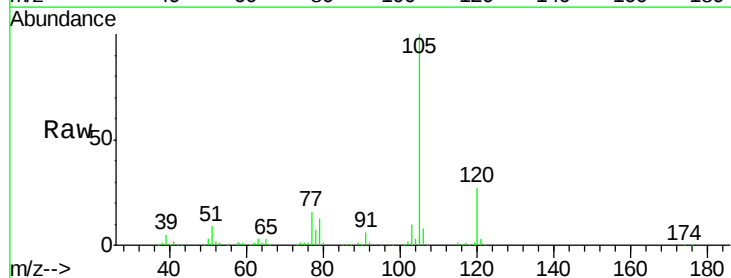
RT: 16.50 min Scan# 2201

Delta R.T. -0.01 min

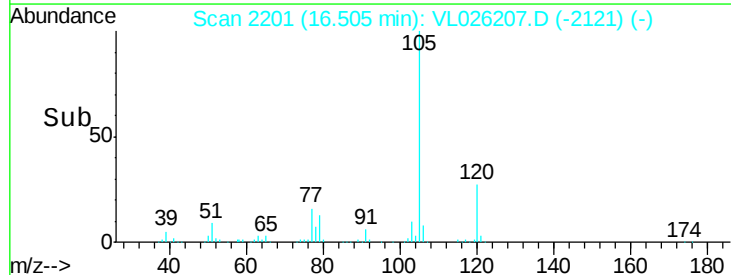
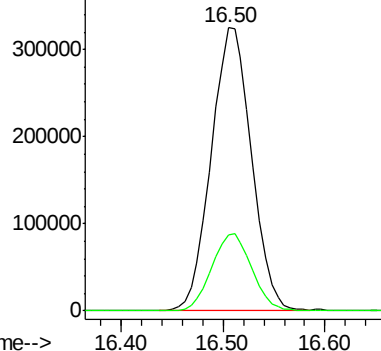
Lab File: VL026207.D

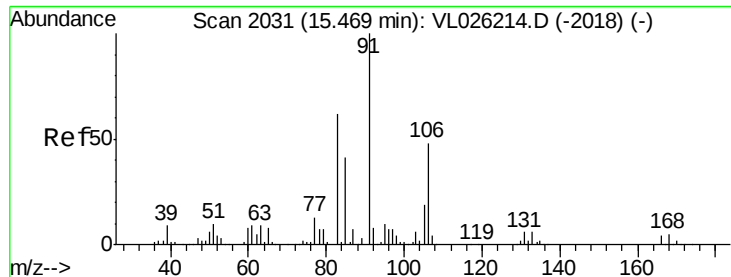
Acq: 20 Oct 2015 11:16

Tgt Ion:	105	Resp:	892985
Ion Ratio	Lower	Upper	
105	100		
120	27.2	21.8	32.6



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: 2.01 ppbv

RT: 15.45 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

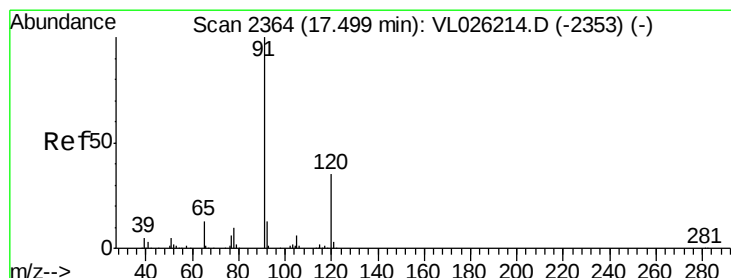
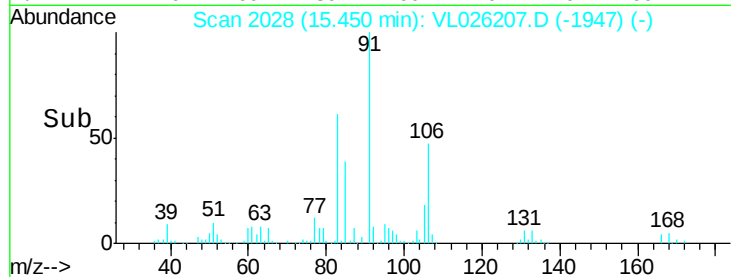
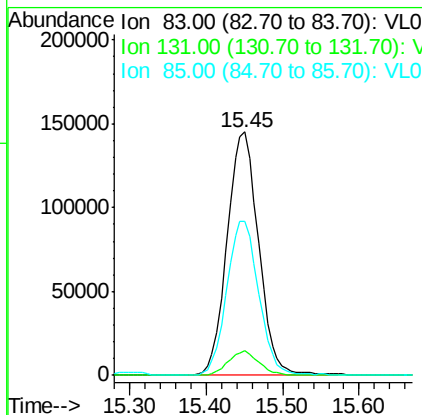
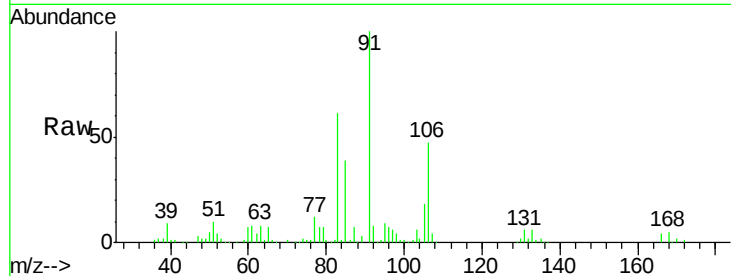
ClientSampleId :

VSTDIC002

Tot Ion:	83	Resp:	414435
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	64.4	32.3	96.8

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#64

n-propylbenzene

Concen: 2.45 ppbv

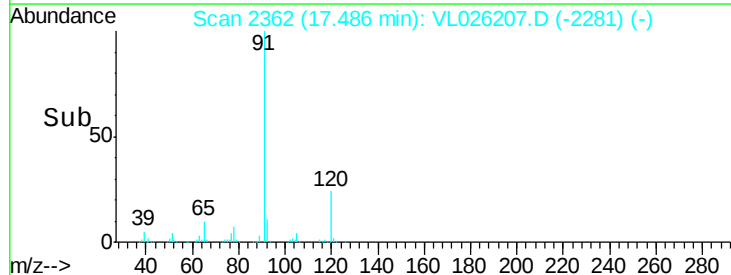
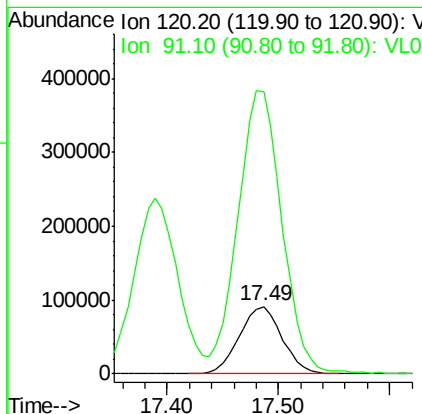
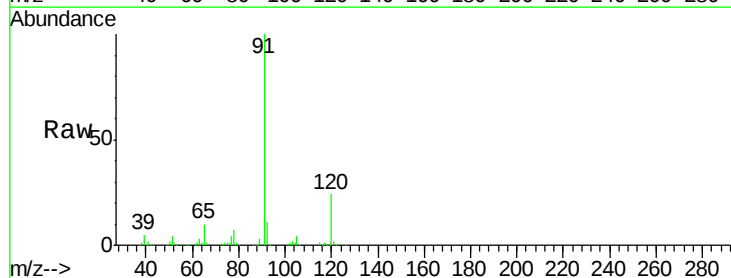
RT: 17.49 min Scan# 2362

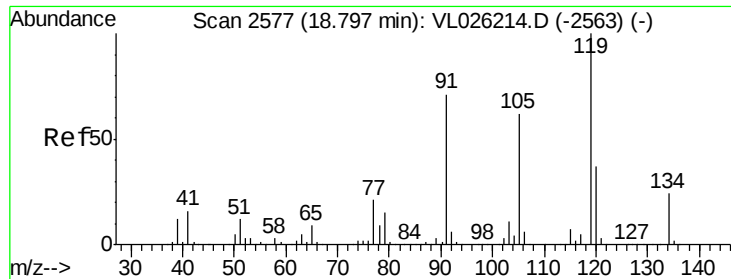
Delta R.T. -0.01 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Tgt Ion:	120	Resp:	244255
Ion Ratio	Lower	Upper	
120	100		
91	432.1	332.1	498.1





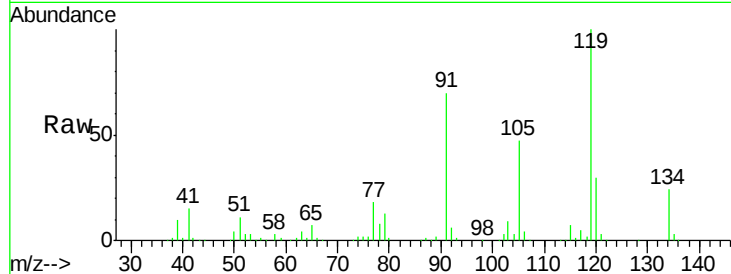
#65
tert-Butylbenzene
Concen: 2.53 ppbv
RT: 18.77 min Scan# 2573
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

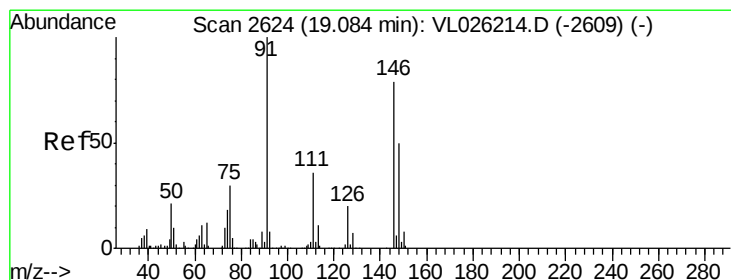
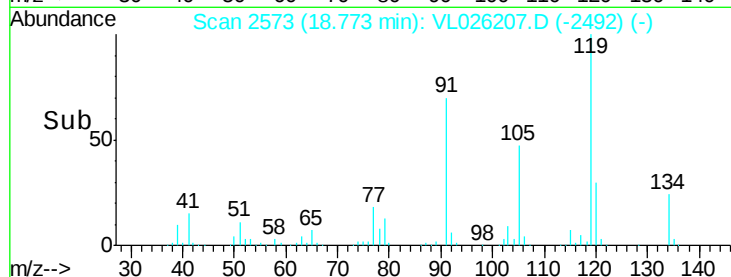
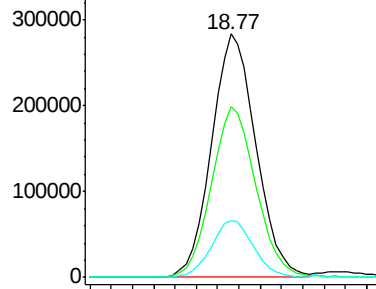
Tot Ion	Ratio	Lower	Upper
119	100		
91	70.3	57.6	86.4
134	22.5	17.8	26.6

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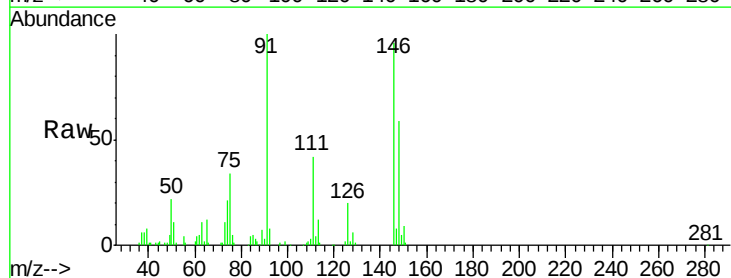


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): V
Ion 134.20 (133.90 to 134.90): V

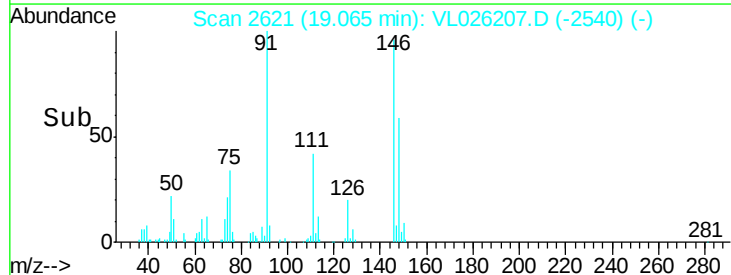
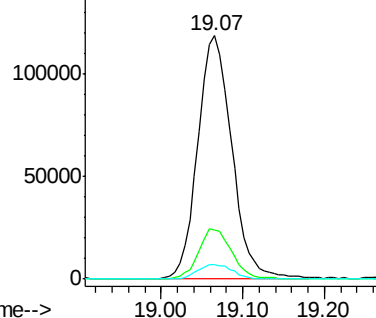


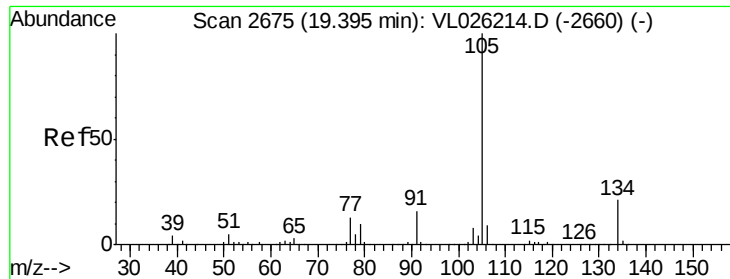
#66
Benzyl Chloride
Concen: 3.34 ppbv
RT: 19.07 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	20.1	16.1	24.1
128	6.3	5.1	7.7



Abundance Ion 91.10 (90.80 to 91.80): V
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V





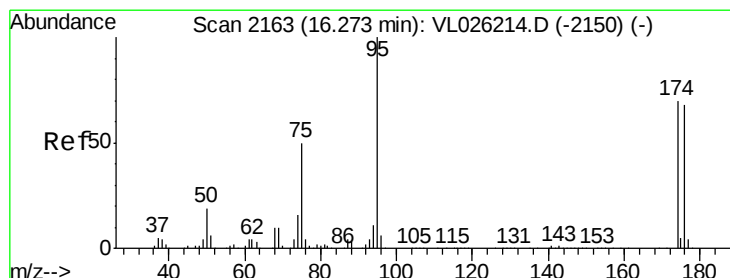
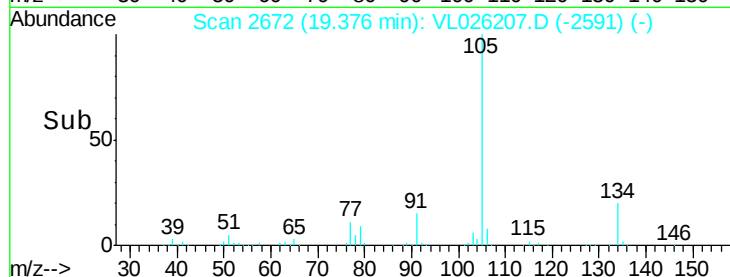
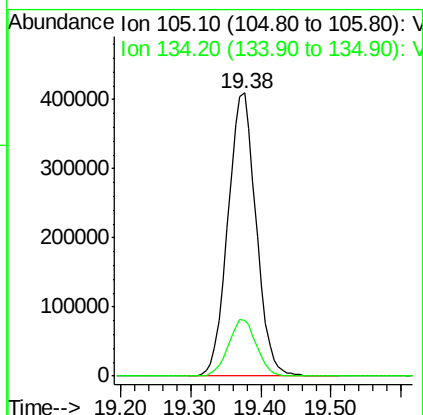
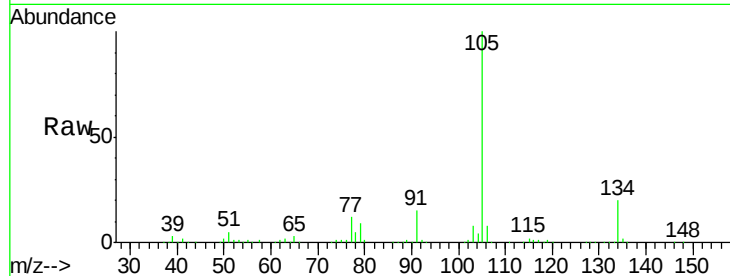
#67
 sec-Butylbenzene
 Concen: 2.52 ppbv
 RT: 19.38 min Scan# 2672
 Delta R.T. -0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 105 Resp: 1146174
 Ion Ratio Lower Upper
 105 100
 134 19.9 16.3 24.5

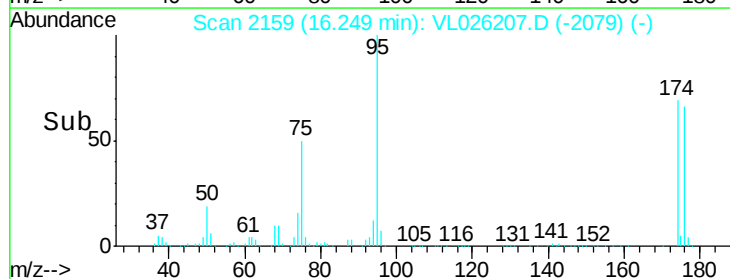
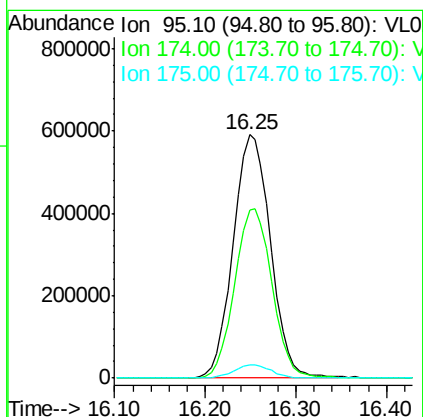
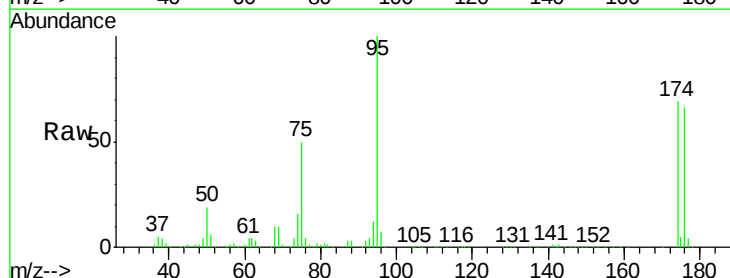
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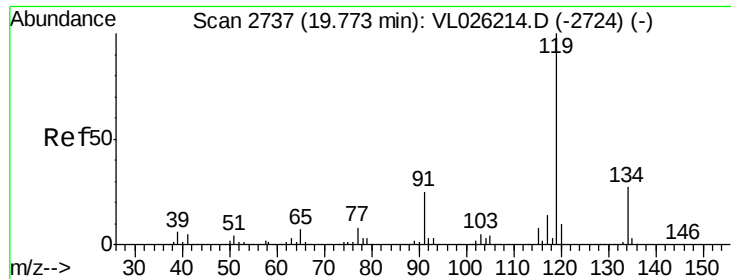
MMDadoda
 10/22/2015 4:30:50 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.77 ppbv
 RT: 16.25 min Scan# 2159
 Delta R.T. -0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Tgt Ion: 95 Resp: 1697755
 Ion Ratio Lower Upper
 95 100
 174 70.2 56.2 84.2
 175 5.4 4.3 6.5





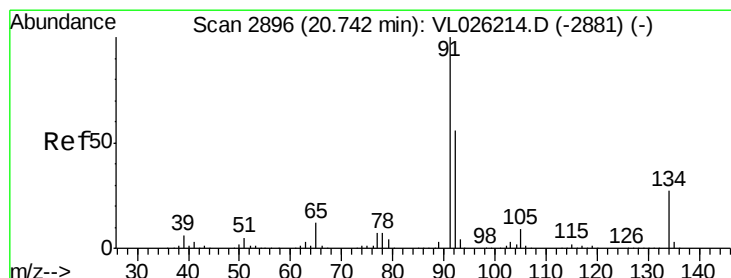
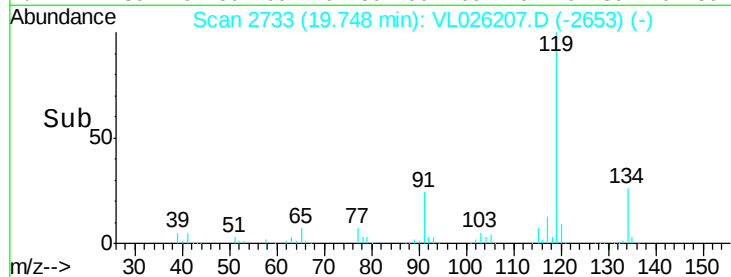
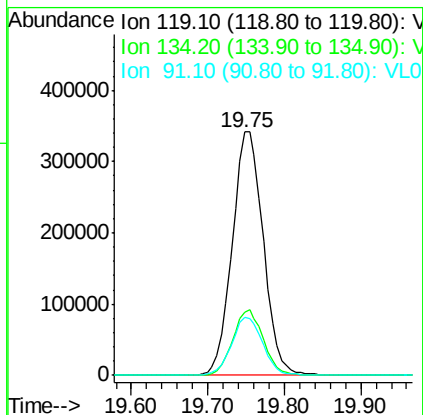
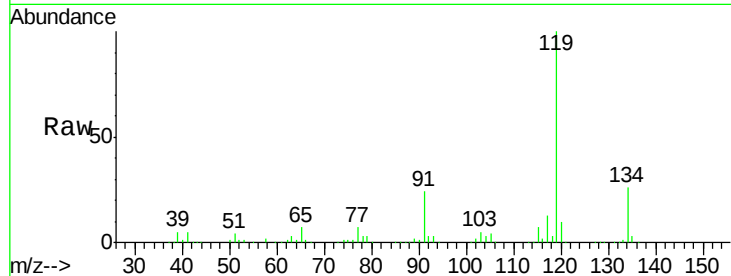
#69
 p-Isopropyltoluene
 Concen: 2.62 ppbv
 RT: 19.75 min Scan# 2733
 Delta R.T. -0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
119	100	960167		
134	26.4		21.4	32.0
91	24.0		19.8	29.8

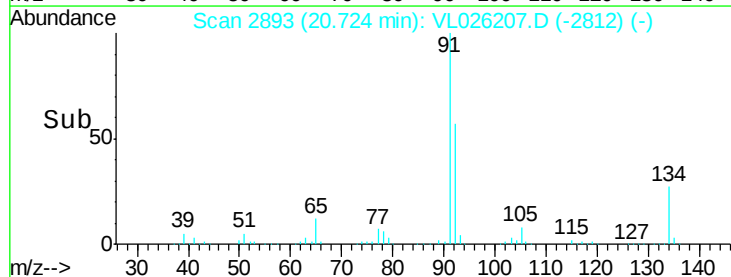
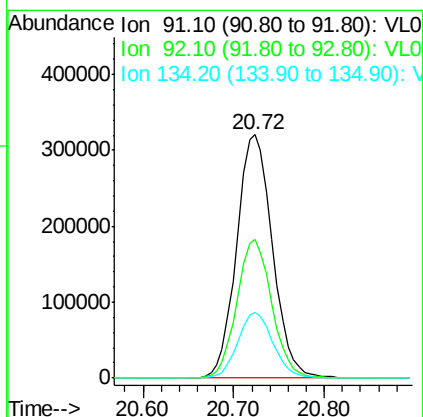
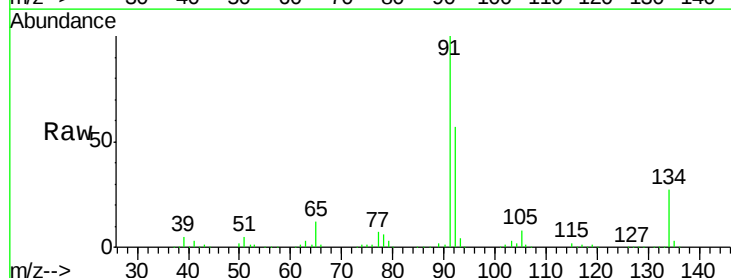
Manual Integrations
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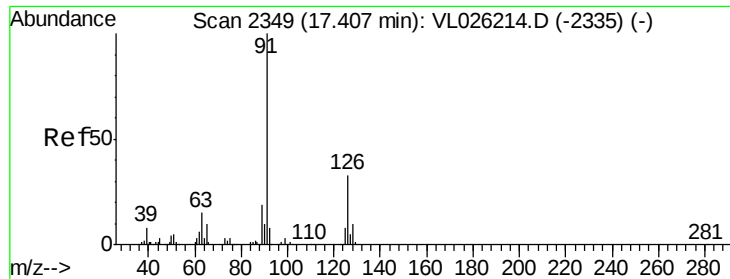
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 10/22/2015 4:30:50 PM



#70
 n-Butylbenzene
 Concen: 2.53 ppbv
 RT: 20.72 min Scan# 2893
 Delta R.T. -0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	876728		
92	55.9		44.7	67.1
134	26.6		21.1	31.7





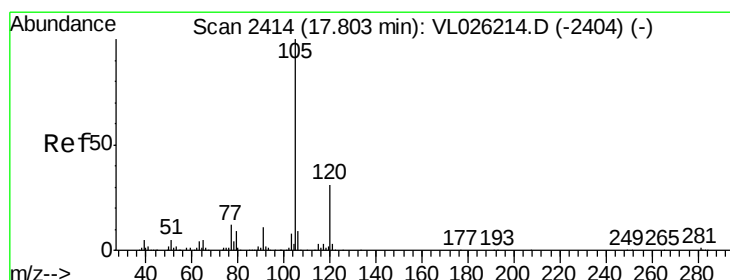
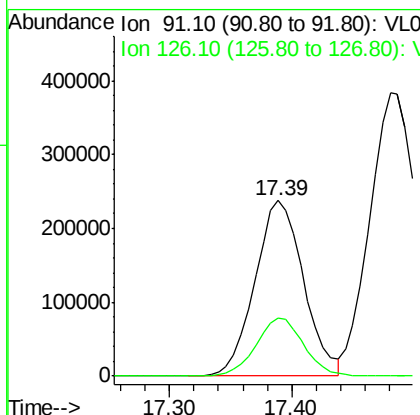
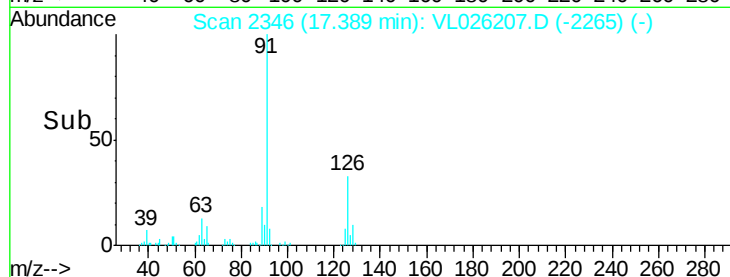
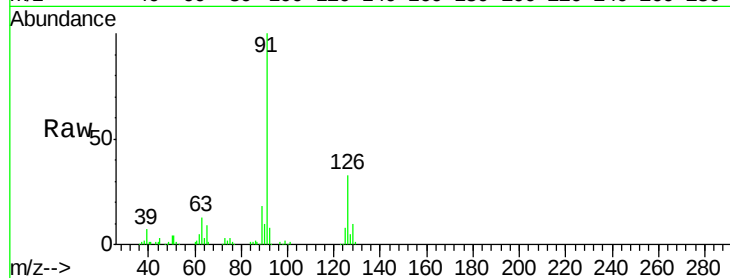
#71
2-Chlorotoluene
Concen: 2.45 ppbv
RT: 17.39 min Scan# 2346
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 659746
Ion Ratio Lower Upper
91 100
126 32.6 12.9 51.7

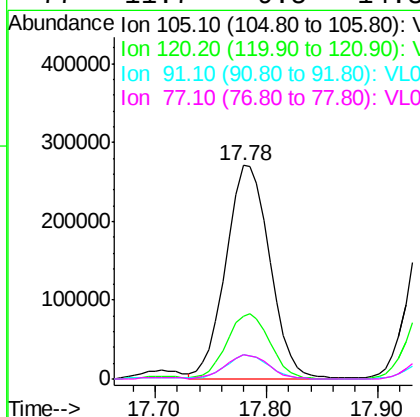
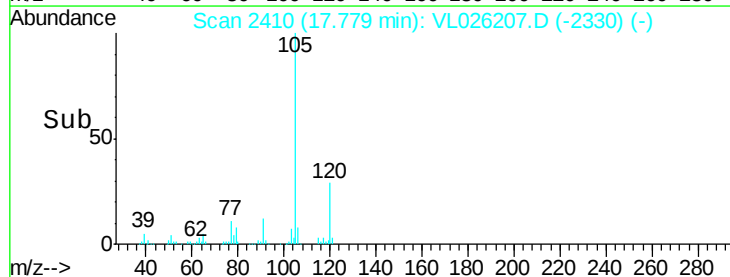
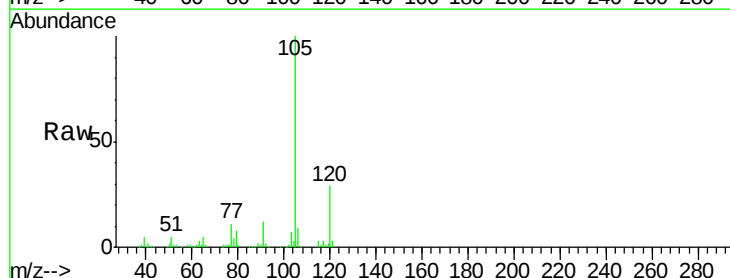
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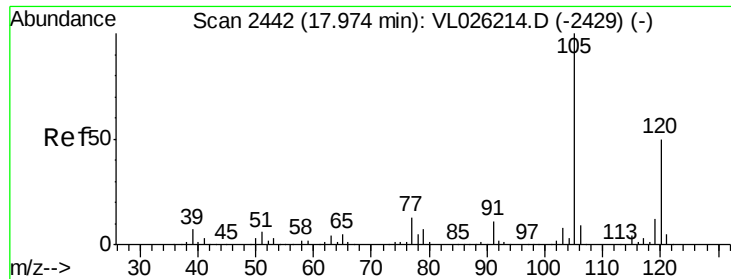
MMDadoda
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#72
4-Ethyltoluene
Concen: 2.48 ppbv
RT: 17.78 min Scan# 2410
Delta R.T. -0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion: 105 Resp: 742109
Ion Ratio Lower Upper
105 100
120 31.7 25.2 37.8
91 11.9 9.2 13.8
77 11.7 9.5 14.3





#73

1,3,5-Trimethylbenzene

Concen: 2.48 ppbv

RT: 17.95 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 700618

Ion Ratio Lower Upper

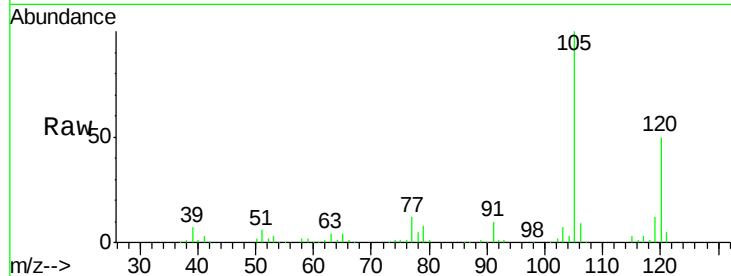
105 100

120 49.7 40.3 60.5

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

17.95

250000

200000

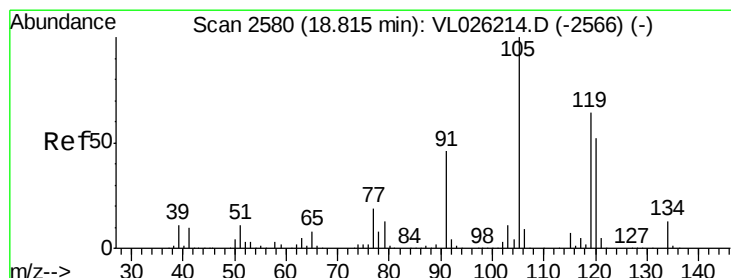
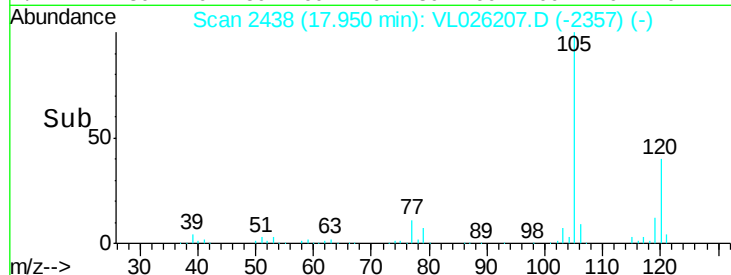
150000

100000

50000

0

Time--> 17.80 17.90 18.00 18.10



#74

1,2,4-Trimethylbenzene

Concen: 2.49 ppbv

RT: 18.80 min Scan# 2577

Delta R.T. -0.01 min

Lab File: VL026207.D

Acq: 20 Oct 2015 11:16

Tgt Ion:105 Resp: 736548

Ion Ratio Lower Upper

105 100

120 50.3 40.5 60.7

91 39.0 37.4 56.0

77 17.1 15.3 22.9

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

18.80

400000

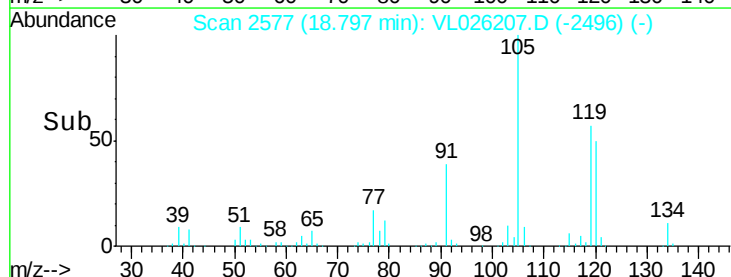
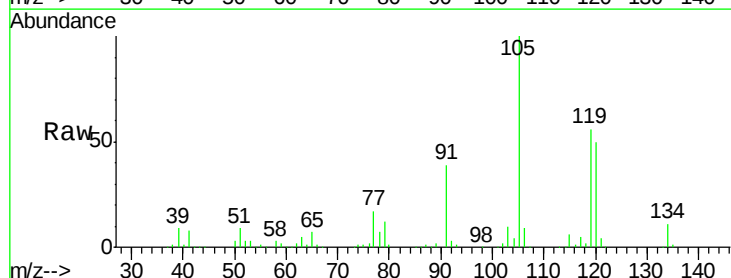
300000

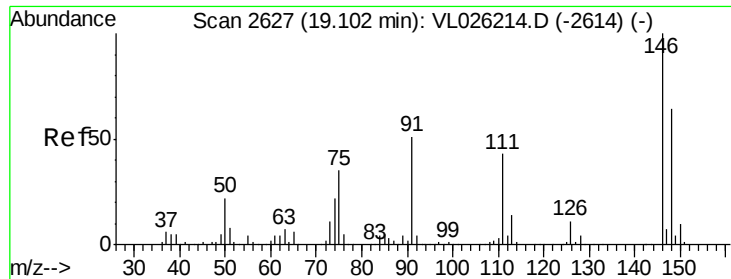
200000

100000

0

Time--> 18.80 19.00





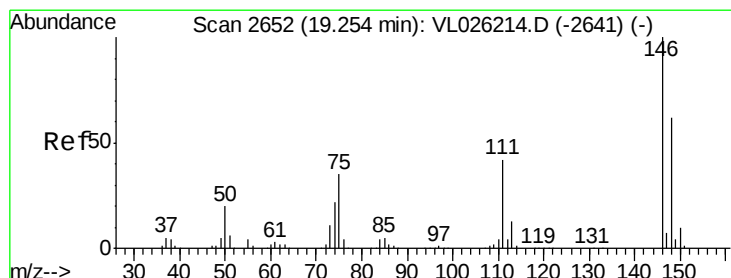
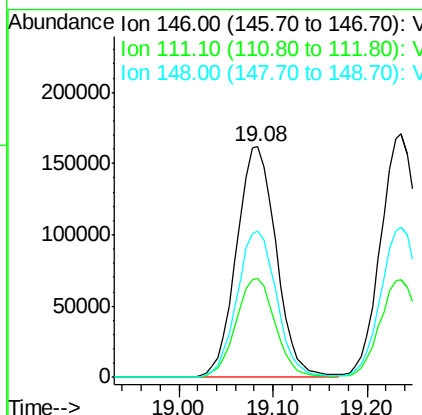
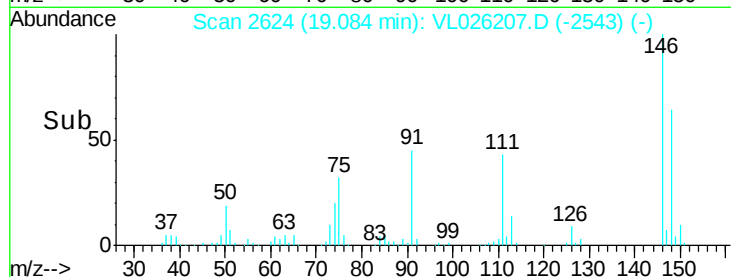
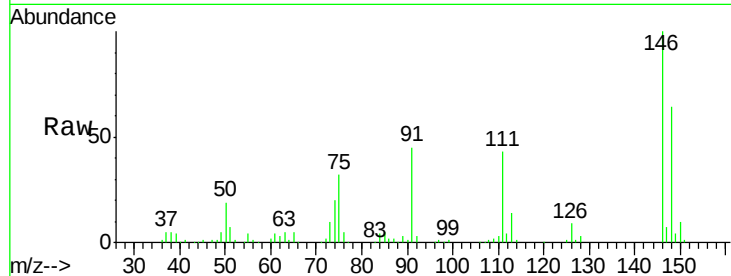
#75
 1,3-Dichlorobenzene
 Concen: 2.50 ppbv
 RT: 19.08 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.6	65.0
148	63.5	31.7	95.1

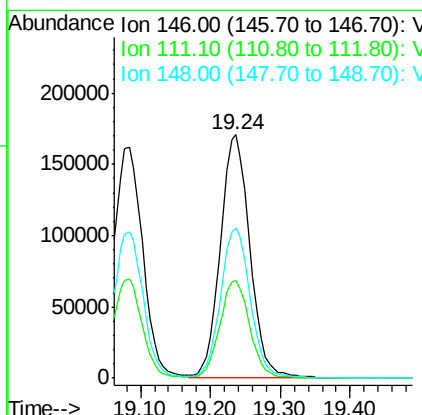
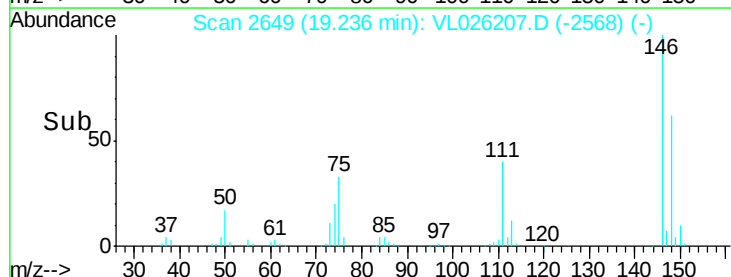
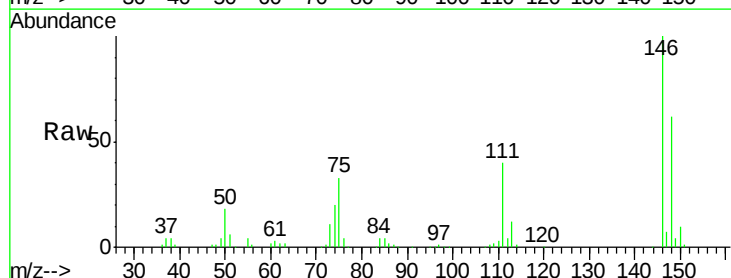
Manual Integrations
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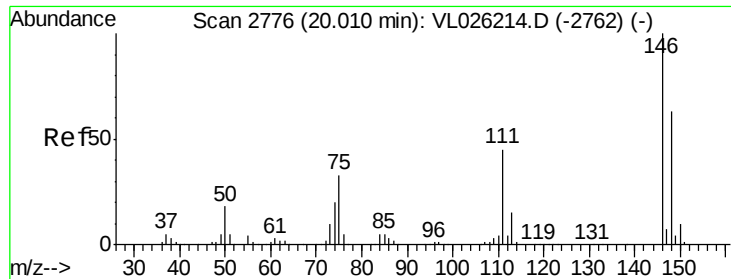
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#76
 1,4-Dichlorobenzene
 Concen: 2.59 ppbv
 RT: 19.24 min Scan# 2649
 Delta R.T. -0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.9	62.8
148	62.9	32.0	96.2





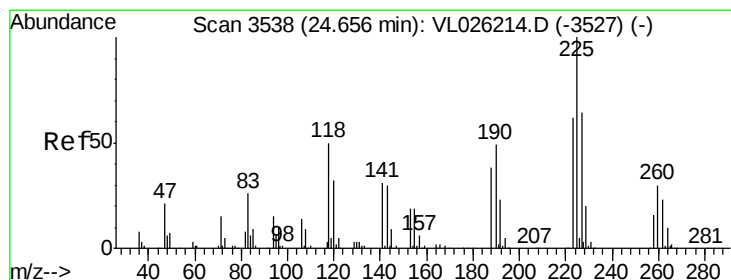
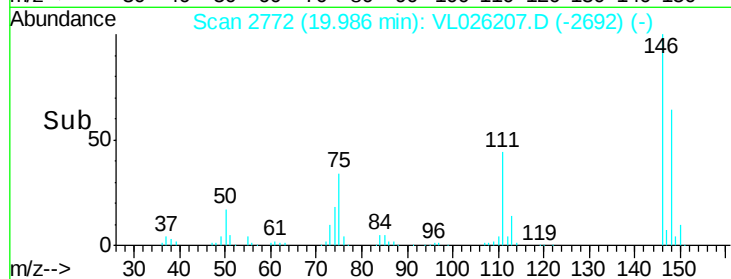
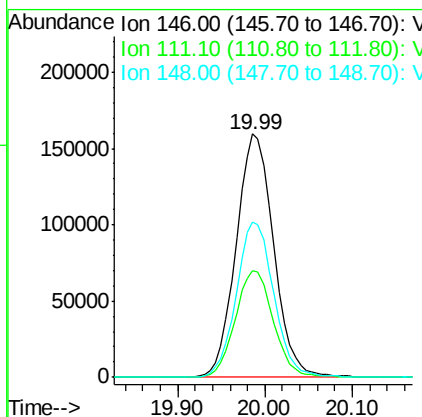
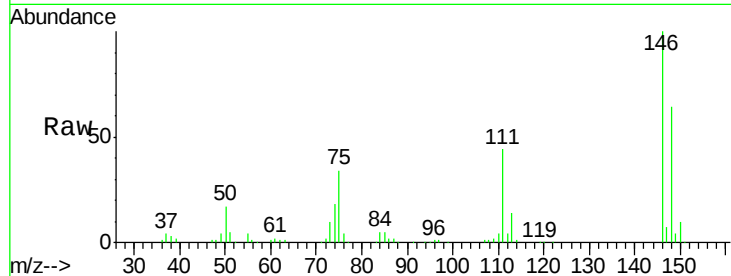
#77
 1,2-Dichlorobenzene
 Concen: 2.55 ppbv
 RT: 19.99 min Scan# 2772
 Delta R.T. -0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.6	67.8
148	63.9	32.0	96.2

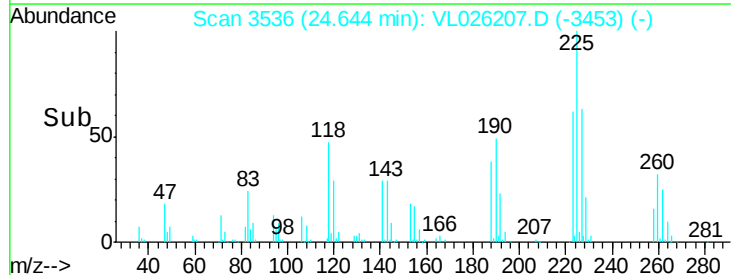
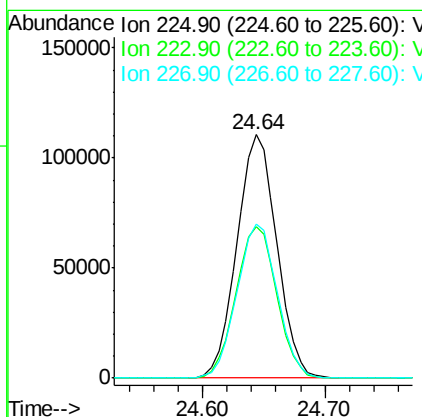
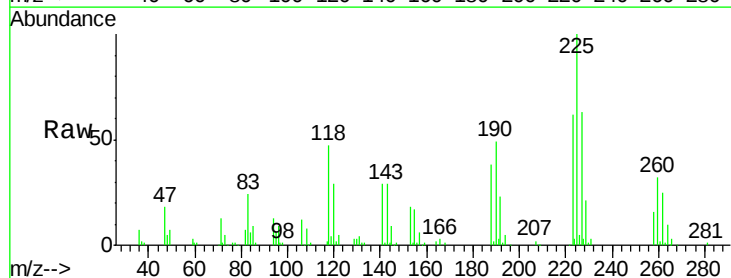
Manual Integrations
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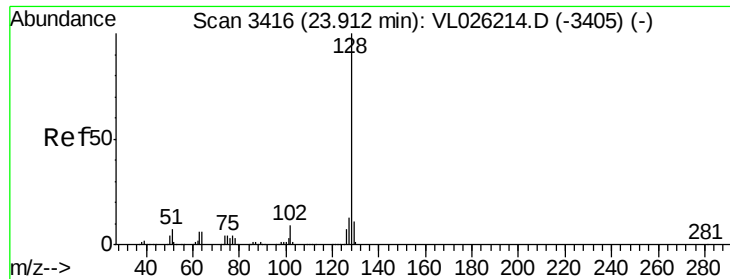
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#78
 Hexachloro-1,3-Butadiene
 Concen: 3.74 ppbv
 RT: 24.64 min Scan# 3536
 Delta R.T. 0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.7	76.1
227	63.9	50.2	75.2





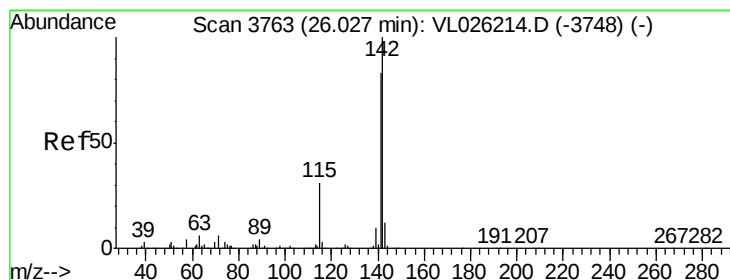
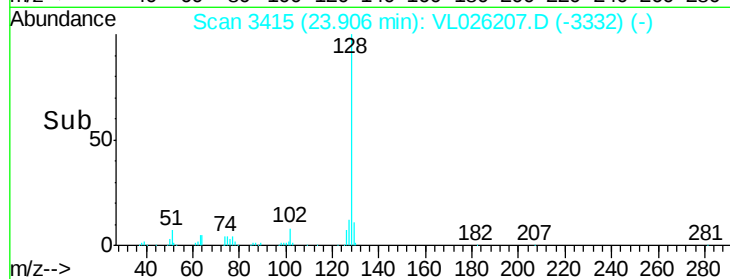
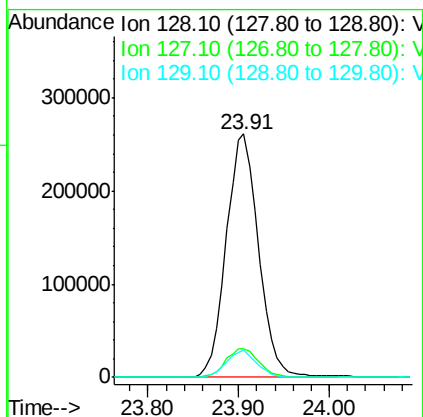
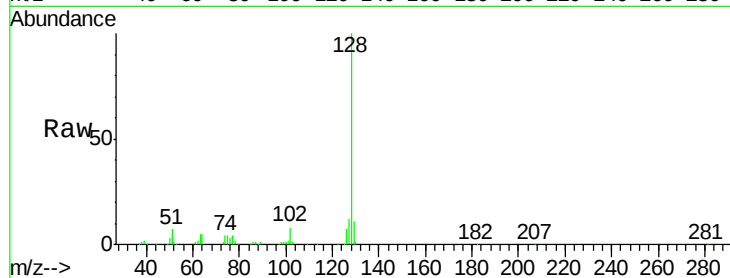
#79
Naphthalene
Concen: 3.91 ppbv
RT: 23.91 min Scan# 3415
Delta R.T. 0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	11.0	16.6
129	11.0	8.7	13.1

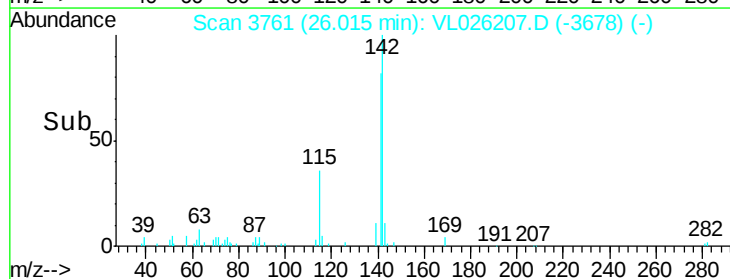
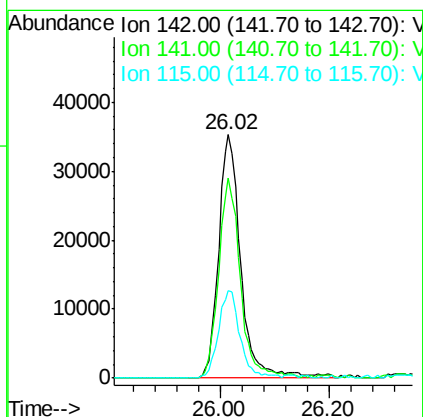
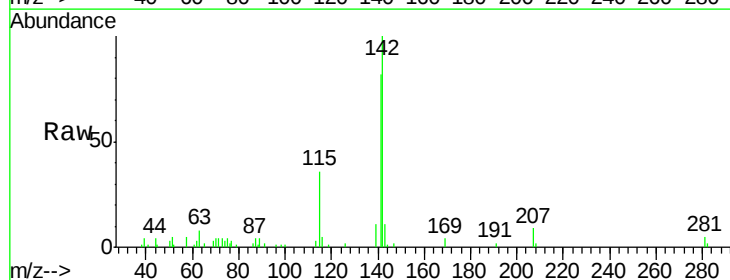
Manual Integrations
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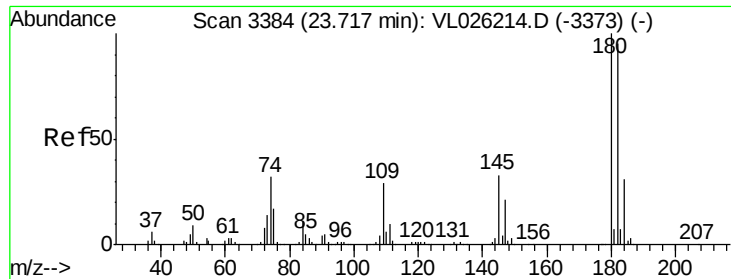
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#80
Naphthalene, 2-methyl-
Concen: 1.98 ppbv
RT: 26.02 min Scan# 3761
Delta R.T. 0.01 min
Lab File: VL026207.D
Acq: 20 Oct 2015 11:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.2	66.7	100.1
115	36.3	25.0	37.4





#81
 1,2,4-Trichlorobenzene
 Concen: 3.77 ppbv
 RT: 23.70 min Scan# 3382
 Delta R.T. 0.01 min
 Lab File: VL026207.D
 Acq: 20 Oct 2015 11:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.8	76.4	114.6
184	30.1	24.4	36.6

Manual Integrations
 APPROVED

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