

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026260.D
 Acq On : 29 Oct 2015 9:21
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:30 PM

Quant Time: Oct 29 10:12:25 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 10:12:25 2015
 QLast Update : Thu Oct 29 10:13:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.69	49	558813	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1665865	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	1937452m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.34	95	1495462	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	1144626	9.88	ppbv	100
3) Chlorodifluoromethane	3.59	51	635582	8.98	ppbv	100
4) Chloromethane	3.78	50	388433	10.18	ppbv	100
5) Vinyl Chloride	3.91	62	395985	9.86	ppbv	100
6) Bromomethane	4.17	94	282488	9.79	ppbv	100
7) Chloroethane	4.27	64	172758	10.25	ppbv	100
8) Dichlorotetrafluoroethane	3.83	85	937416	9.42	ppbv	100
9) Propene	3.62	41	321468	9.71	ppbv	100
10) Heptane	9.40	43	1094539	9.87	ppbv	98
11) Trichlorofluoromethane	4.72	101	1070808	9.43	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.34	101	719329	9.28	ppbv	100
13) Ethanol	4.35	45	41066	8.27	ppbv	100
14) Bromoethene	4.48	108	315949	9.66	ppbv	100
15) Acetone	4.63	43	654412	7.96	ppbv	100
16) 1,3-Butadiene	4.00	39	354847	9.67	ppbv	100
17) tert-Butyl alcohol	5.15	59	573907	10.21	ppbv	100
18) 1,1-Dichloroethene	5.12	96	338817	9.68	ppbv	100
19) Isopropyl Alcohol	4.78	45	333606	10.37	ppbv	100
20) Methylene Chloride	5.18	84	303625	9.25	ppbv	100
21) Allyl Chloride	5.26	41	521978	9.72	ppbv	100
22) trans-1,2-Dichloroethene	5.80	96	438910	9.72	ppbv	100
23) Vinyl Acetate	6.02	43	1470667	9.70	ppbv	100
24) 1,1-Dichloroethane	5.95	63	934051	9.76	ppbv	100
25) Ethyl Acetate	6.71	43	1466263	9.51	ppbv	100
26) Hexane	6.70	57	720826	9.35	ppbv	100
27) Carbon Disulfide	5.42	76	950353	9.65	ppbv	100
28) Methyl tert-Butyl Ether	5.98	73	1307262	9.33	ppbv	100
29) Chloroform	6.79	83	1062351	9.50	ppbv	100
30) Cyclohexane	8.32	84	721202	9.36	ppbv	100
31) cis-1,2-Dichloroethene	6.56	61	688505	9.84	ppbv	100
32) 1,1,1-Trichloroethane	7.64	97	1091320	8.80	ppbv	100
34) 2-Butanone	6.23	43	940745	9.99	ppbv	100
35) Carbon Tetrachloride	8.20	117	1117726	8.81	ppbv	100
36) Benzene	8.07	78	1639375	9.66	ppbv	100
37) 1,2-Dichloroethane	7.42	62	845194	9.69	ppbv	100
38) Trichloroethene	9.11	130	645698	7.84	ppbv	100
39) 1,2-Dichloropropane	8.87	63	593545	9.95	ppbv	100
40) 1,4-Dioxane	9.15	88	134644	12.01	ppbv	100
41) Tetrahydrofuran	7.16	42	569721	10.45	ppbv	100
42) Bromodichloromethane	9.07	83	1184517	9.44	ppbv	100
43) Methyl Methacrylate	9.30	69	621814	10.07	ppbv	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	2586891	9.42	ppbv	100
45) t-1,3-Dichloropropene	10.69	75	939335	9.75	ppbv	100
46) cis-1,3-Dichloropropene	10.07	75	1099532	9.75	ppbv	100
47) 1,1,2-Trichloroethane	10.93	97	712299	9.50	ppbv	100
48) Dibromochloromethane	11.85	129	1115518	9.13	ppbv	100
49) Bromoform	14.87	173	903462	8.76	ppbv	100
50) 4-Methyl-2-Pentanone	10.13	43	1323574	10.41	ppbv	100
51) 2-Hexanone	11.66	43	1255105	10.57	ppbv #	100
52) Tetrachloroethene	12.84	164	703996	7.24	ppbv	100
53) Toluene	11.29	91	2148135	9.31	ppbv	100
54) 1,2-Dibromoethane	12.19	107	1092677	9.42	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.84	131	804132	8.65	ppbv	100
57) Chlorobenzene	13.87	112	1728831	9.32	ppbv	100
58) Ethyl Benzene	14.46	91	3022581	9.63	ppbv	100
59) m/p-Xylene	14.77	91	4603043m	18.73	ppbv	
60) o-Xylene	15.55	91	2346767	9.13	ppbv	100
61) Styrene	15.36	104	1166848	10.03	ppbv	100
62) Isopropylbenzene	16.60	105	3313538	9.27	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.54	83	1570280	9.24	ppbv	100
64) n-propylbenzene	17.58	120	917444	9.33	ppbv	95
65) tert-Butylbenzene	18.87	119	2884033	8.84	ppbv	100
66) Benzyl Chloride	19.16	91	1165472	8.65	ppbv	100
67) sec-Butylbenzene	19.47	105	4181023	9.19	ppbv	100
69) p-Isopropyltoluene	19.85	119	3438500	9.04	ppbv	100
70) n-Butylbenzene	20.81	91	3293837	9.47	ppbv	100
71) 2-Chlorotoluene	17.48	91	2497097	9.49	ppbv	100
72) 4-Ethyltoluene	17.88	105	2836280	9.49	ppbv	100
73) 1,3,5-Trimethylbenzene	18.04	105	2642526	9.48	ppbv	100
74) 1,2,4-Trimethylbenzene	18.89	105	2595656	8.98	ppbv	100
75) 1,3-Dichlorobenzene	19.17	146	1696998	8.98	ppbv	100
76) 1,4-Dichlorobenzene	19.33	146	1761493	8.93	ppbv	100
77) 1,2-Dichlorobenzene	20.08	146	1713522	9.00	ppbv	100
78) Hexachloro-1,3-Butadiene	24.71	225	653051	6.69	ppbv	100
79) Naphthalene	23.97	128	2067319	8.12	ppbv	100
80) Naphthalene, 2-methyl-	26.09	142	353768	7.74	ppbv	100
81) 1,2,4-Trichlorobenzene	23.78	180	984054	8.03	ppbv	100

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

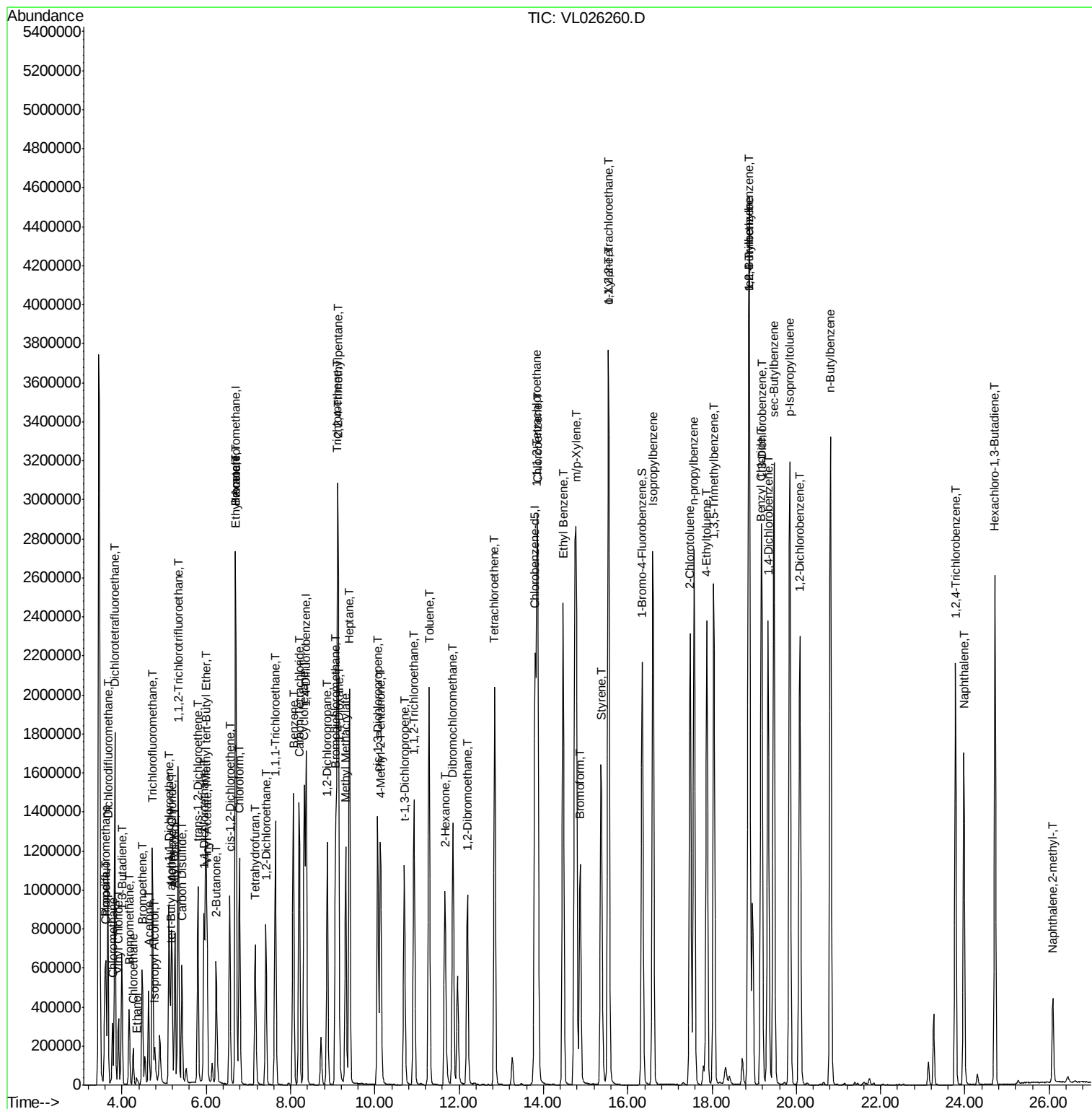
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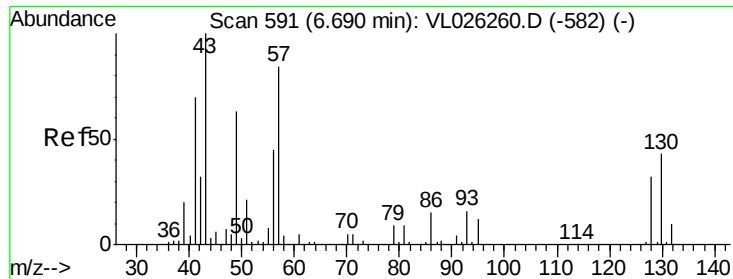
Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations
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QLast Update : Thu Oct 29 10:13:03 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.69 min Scan# 591

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 558813

Ion Ratio Lower Upper

49 100

128 53.4 26.7 80.1

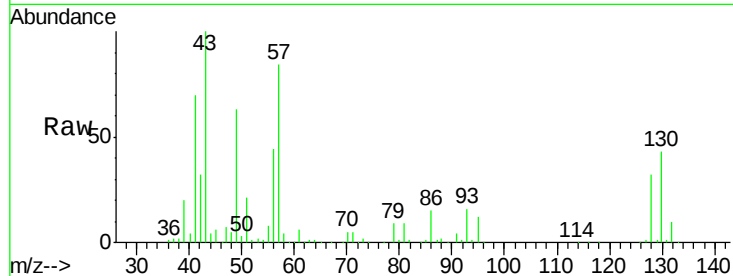
130 68.8 34.4 103.2

Manual Integrations

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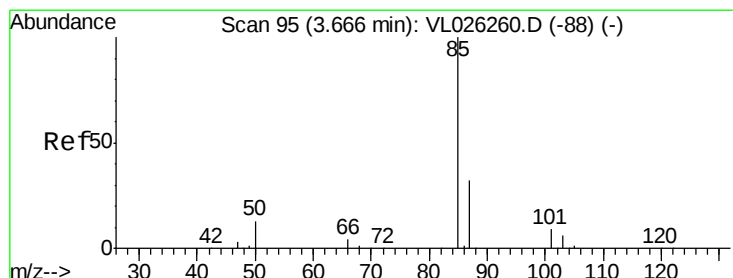
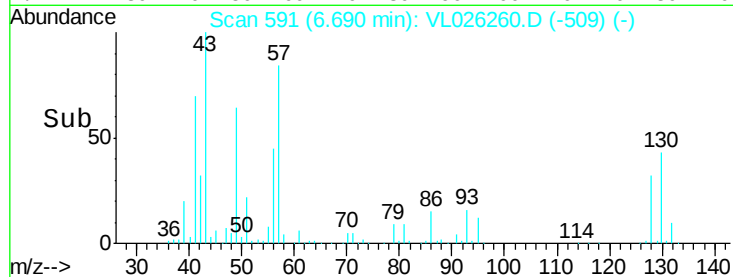
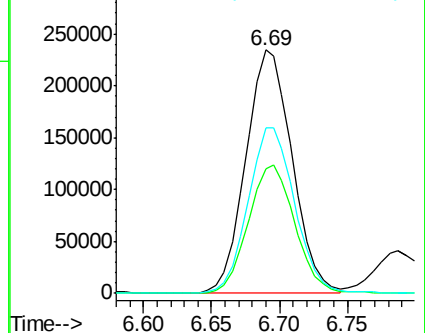
10/30/2015 12:06:30 PM



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: 9.88 ppbv

RT: 3.67 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL026260.D

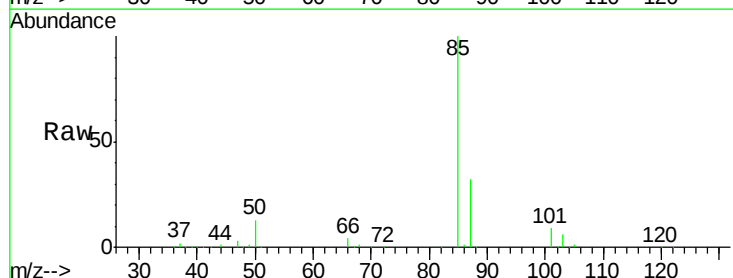
Acq: 29 Oct 2015 9:21

Tgt Ion: 85 Resp: 1144626

Ion Ratio Lower Upper

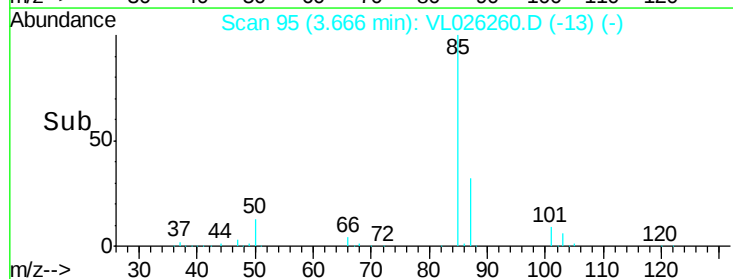
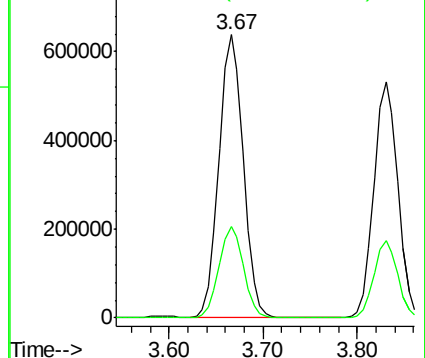
85 100

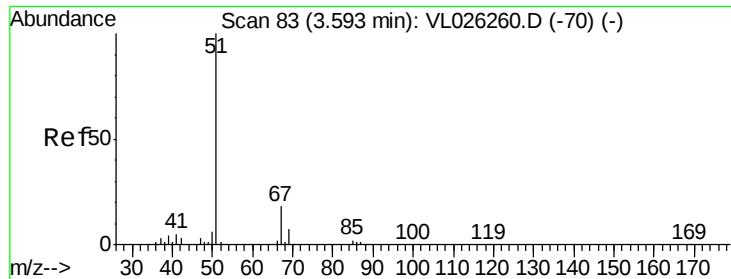
87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.98 ppbv

RT: 3.59 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Tot Ion: 51 Resp: 635582

Ion Ratio Lower Upper

51 100

67 18.1 14.5 21.7

Instrument :

MSVOA_L

ClientSampleId :

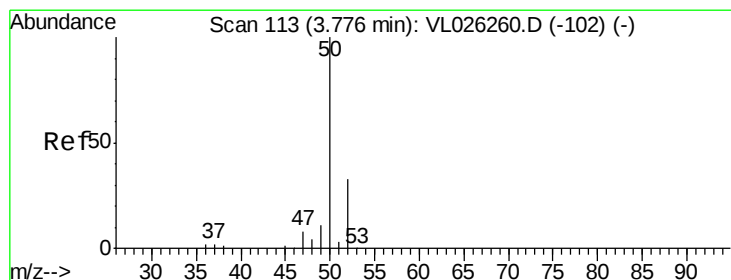
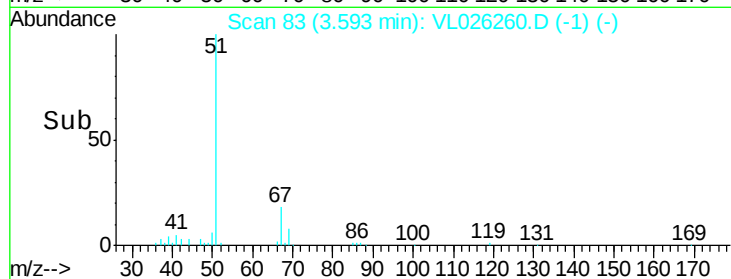
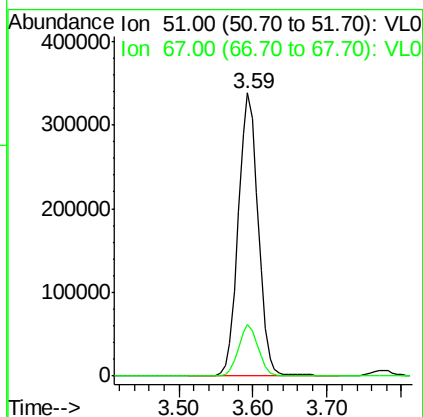
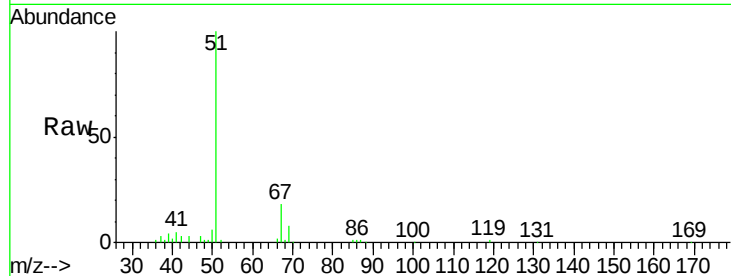
VSTDICCC010

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#4

Chloromethane

Concen: 10.18 ppbv

RT: 3.78 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL026260.D

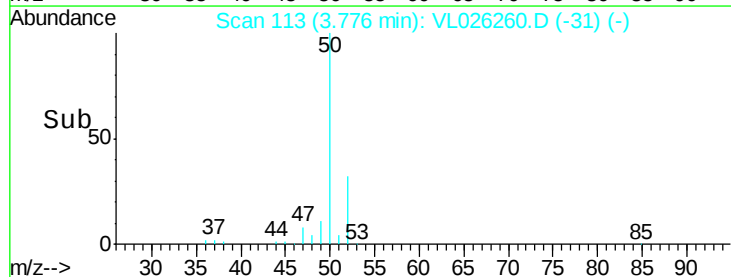
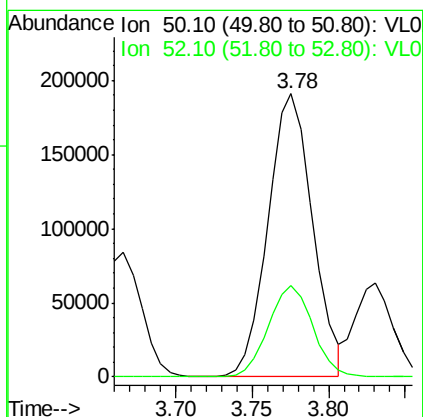
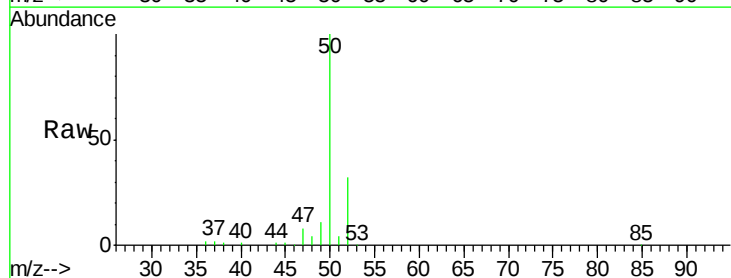
Acq: 29 Oct 2015 9:21

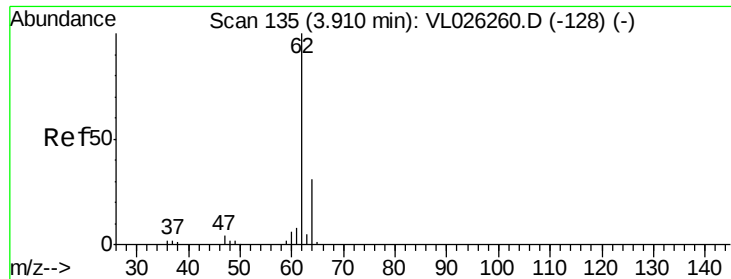
Tgt Ion: 50 Resp: 388433

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1





#5

Vinyl Chloride

Concen: 9.86 ppbv

RT: 3.91 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 395985

Ion Ratio Lower Upper

62 100

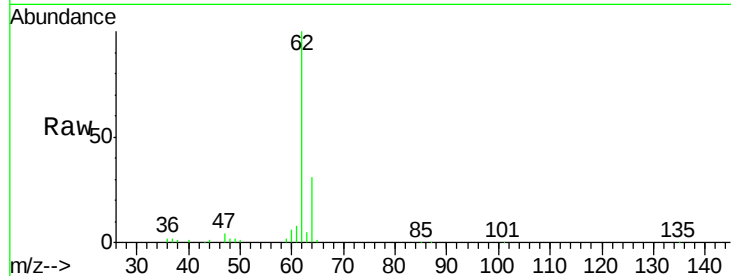
64 31.1 24.9 37.3

Manual Integrations

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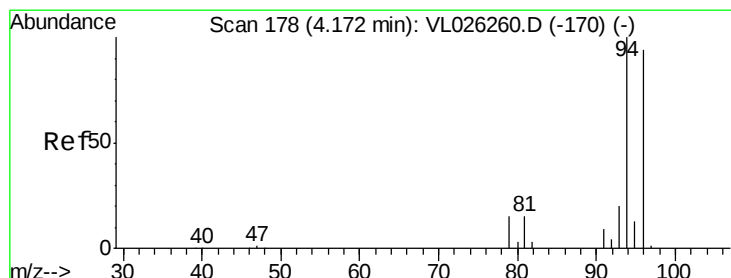
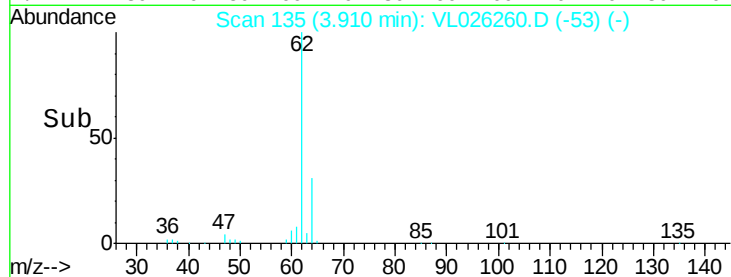
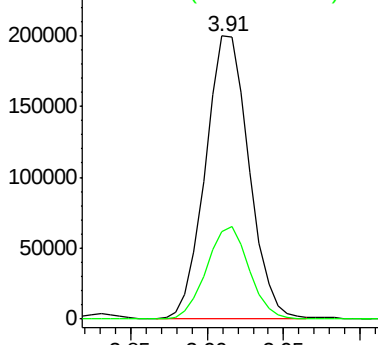
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.79 ppbv

RT: 4.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL026260.D

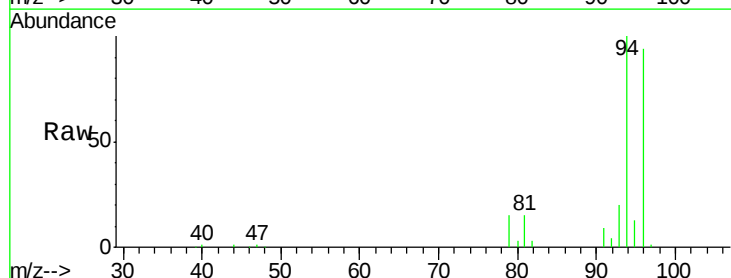
Acq: 29 Oct 2015 9:21

Tgt Ion: 94 Resp: 282488

Ion Ratio Lower Upper

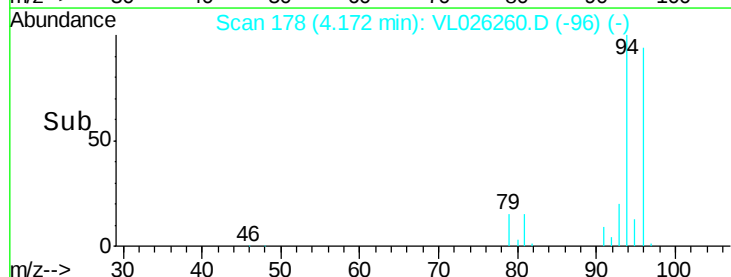
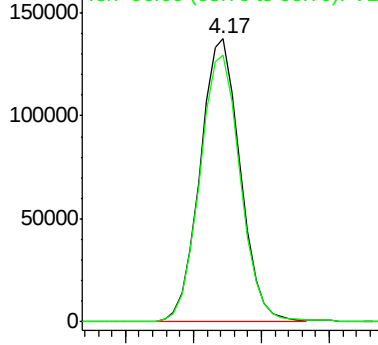
94 100

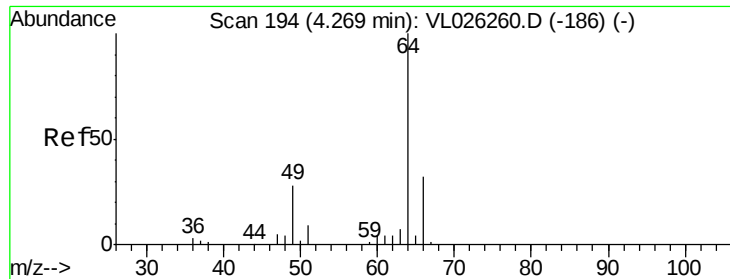
96 94.4 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.25 ppbv

RT: 4.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

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VSTDICCC010

Tot Ion: 64 Resp: 172758

Ion Ratio Lower Upper

64 100

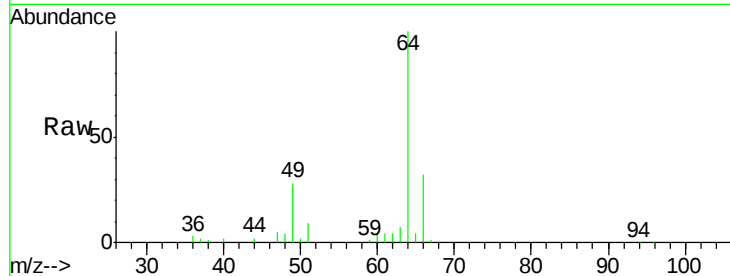
66 31.5 25.2 37.8

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

4.27

80000

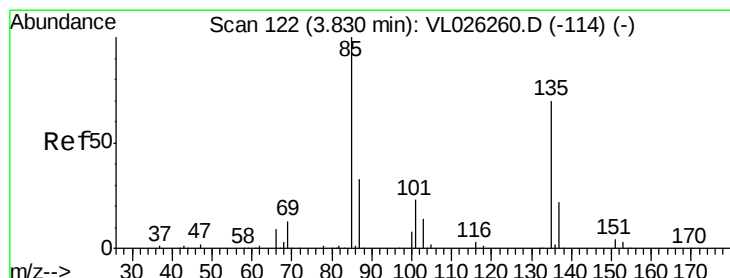
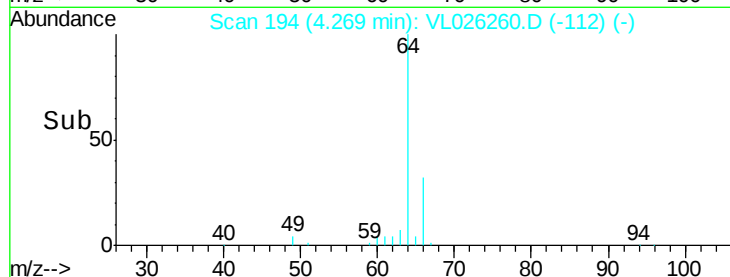
60000

40000

20000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.42 ppbv

RT: 3.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL026260.D

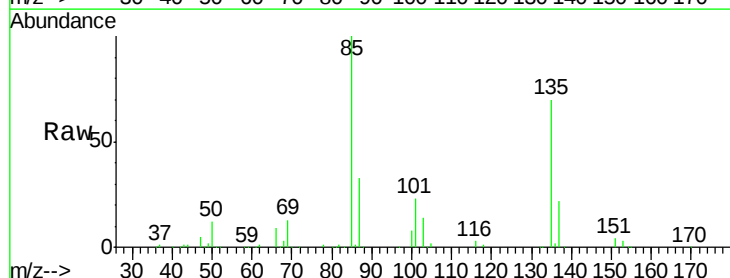
Acq: 29 Oct 2015 9:21

Tgt Ion: 85 Resp: 937416

Ion Ratio Lower Upper

85 100

135 70.7 56.6 84.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.83

600000

500000

400000

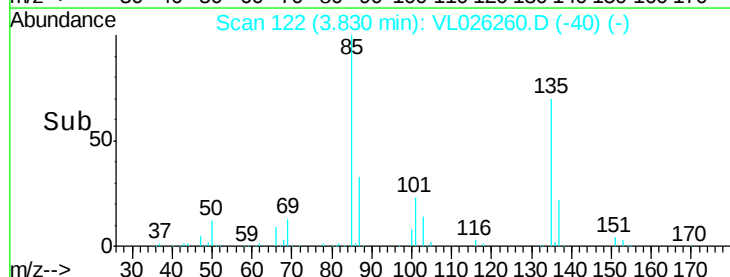
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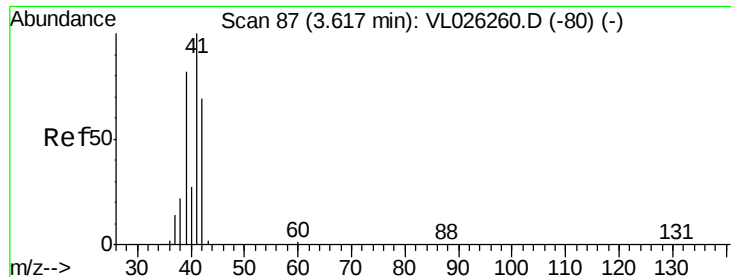
200000

100000

0

Time-->





#9

Propene

Concen: 9.71 ppbv

RT: 3.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 321468

Ion Ratio Lower Upper

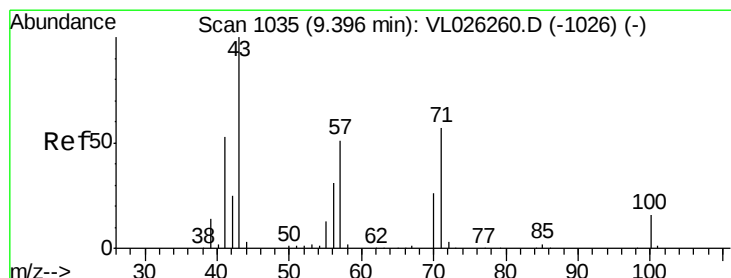
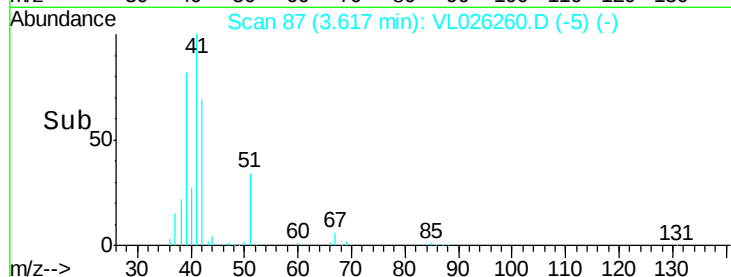
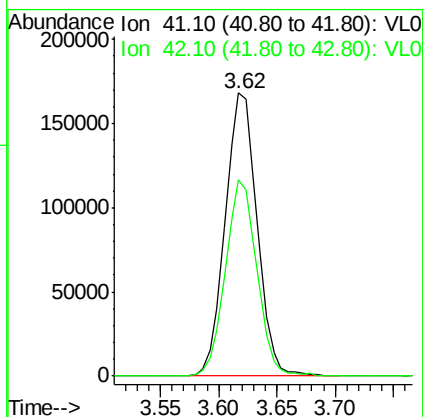
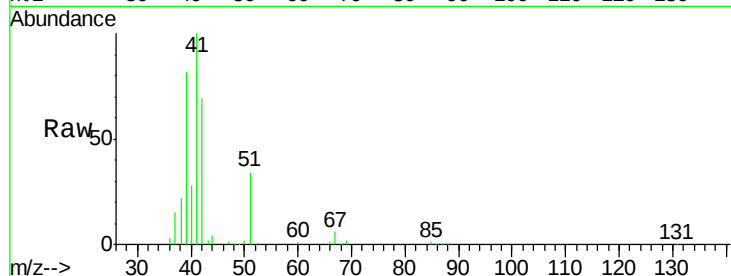
41 100

42 68.1 54.5 81.7

Manual Integrations
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10/30/2015 12:06:30 PM



#10

Heptane

Concen: 9.87 ppbv

RT: 9.40 min Scan# 1035

Delta R.T. 0.00 min

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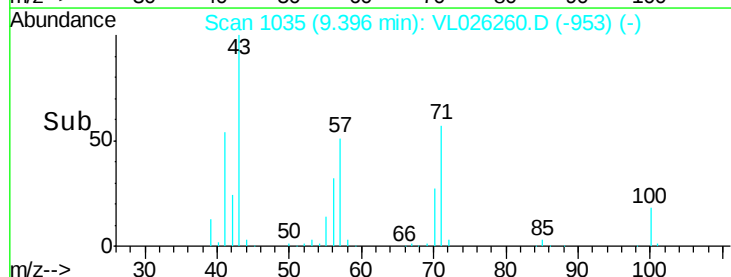
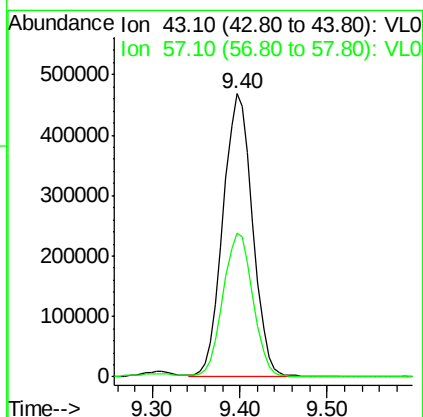
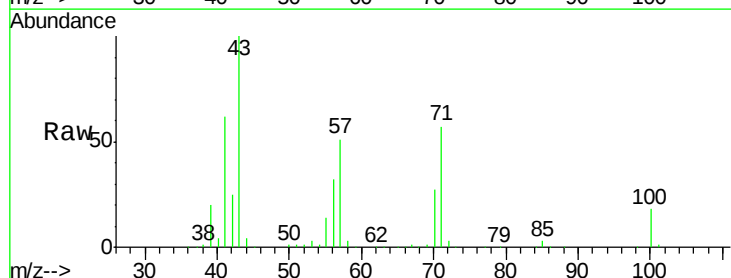
Acq: 29 Oct 2015 9:21

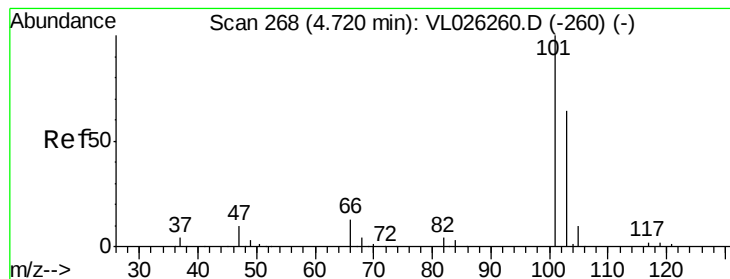
Tgt Ion: 43 Resp: 1094539

Ion Ratio Lower Upper

43 100

57 51.4 42.3 63.5





#11

Trichlorofluoromethane

Concen: 9.43 ppbv

RT: 4.72 min Scan# 268

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:101 Resp: 1070808

Ion Ratio Lower Upper

101 100

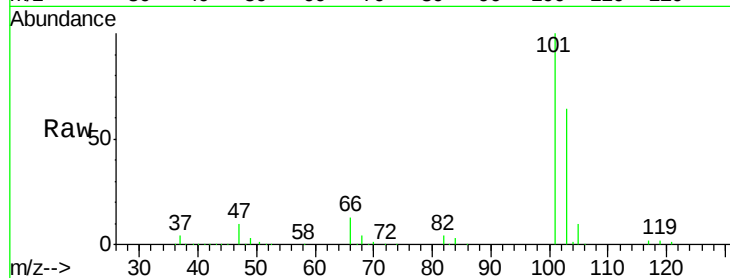
103 64.2 51.4 77.0

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.72

600000

500000

400000

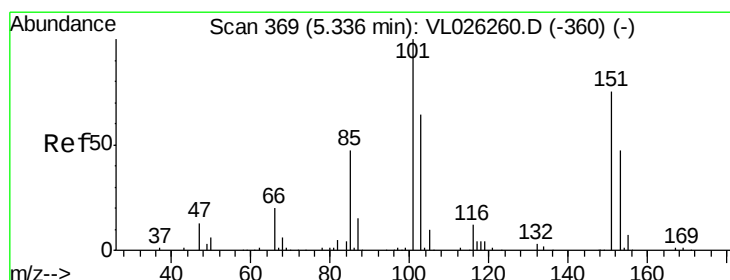
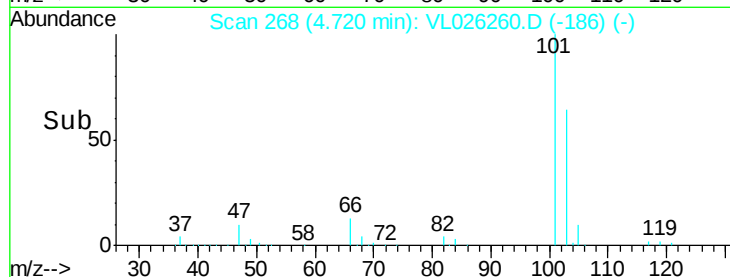
300000

200000

100000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.28 ppbv

RT: 5.34 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL026260.D

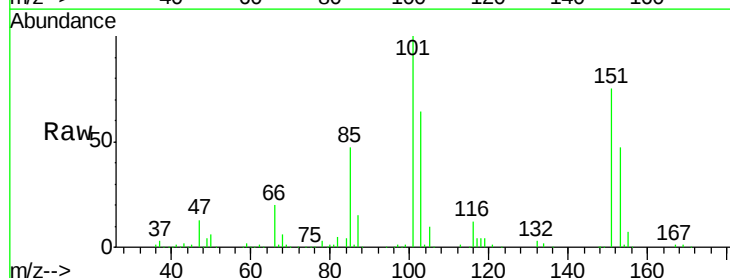
Acq: 29 Oct 2015 9:21

Tgt Ion:101 Resp: 719329

Ion Ratio Lower Upper

101 100

151 75.4 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

5.34

400000

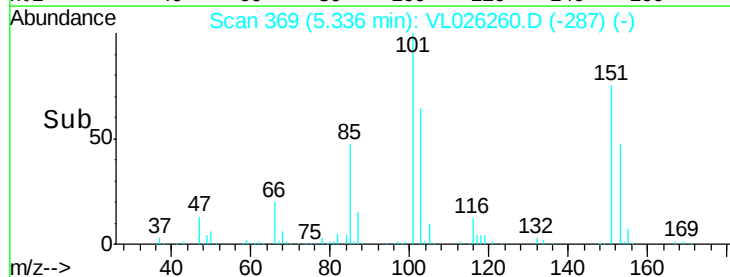
300000

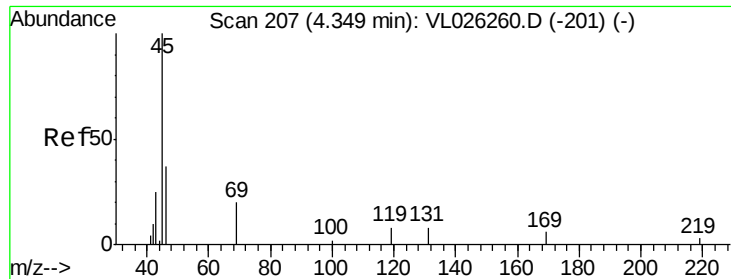
200000

100000

0

Time-->





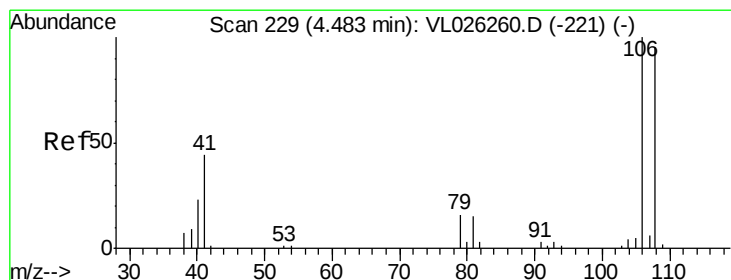
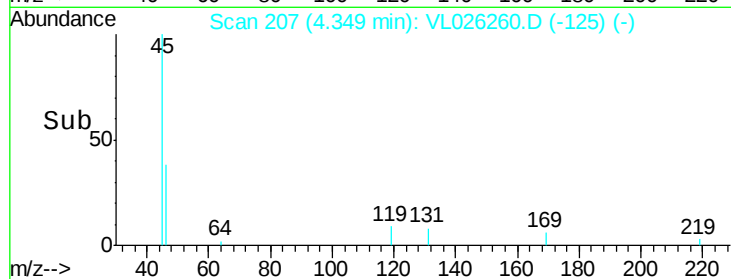
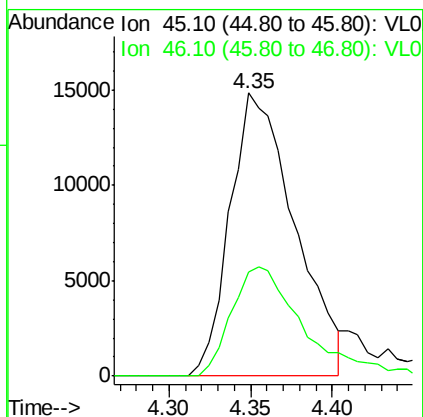
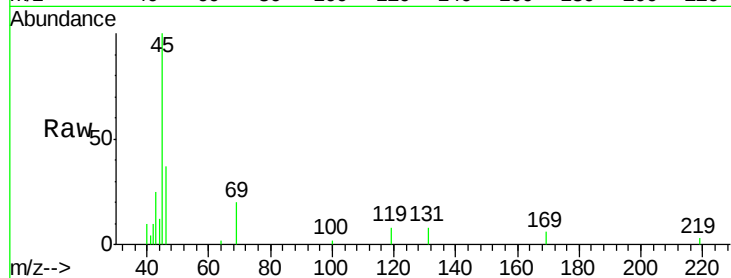
#13
Ethanol
Concen: 8.27 ppbv
RT: 4.35 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 45 Resp: 41066
Ion Ratio Lower Upper
45 100
46 42.5 17.0 68.0

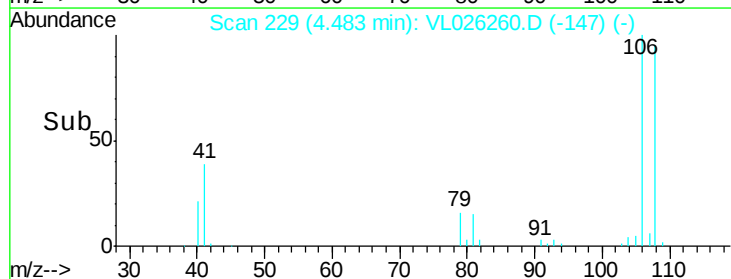
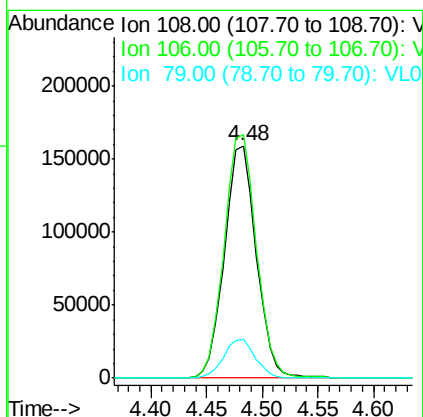
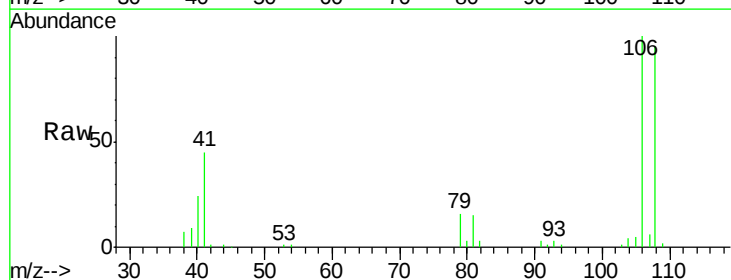
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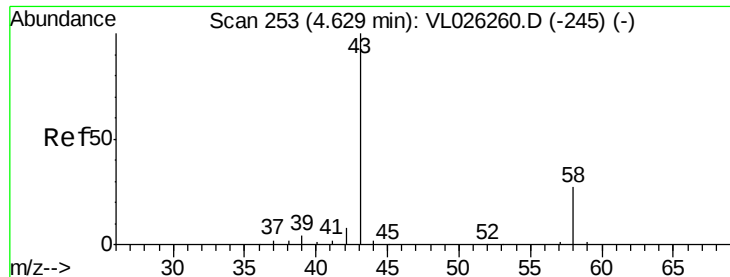
Mmdadoda
10/30/2015 12:06:30 PM



#14
Bromoethene
Concen: 9.66 ppbv
RT: 4.48 min Scan# 229
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Tgt Ion: 108 Resp: 315949
Ion Ratio Lower Upper
108 100
106 106.7 85.4 128.0
79 16.9 13.5 20.3





#15

Acetone

Concen: 7.96 ppbv

RT: 4.63 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Tot Ion: 43 Resp: 654412

Ion Ratio Lower Upper

43 100

58 27.9 22.4 33.6

Instrument :

MSVOA_L

ClientSampleId :

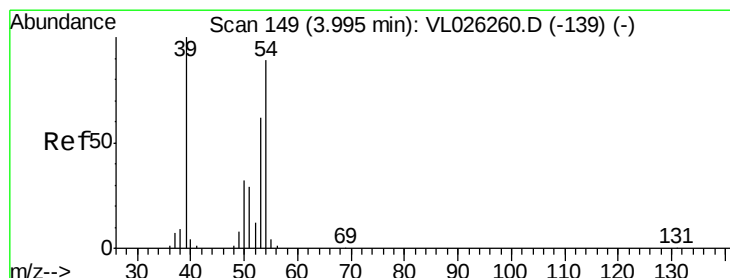
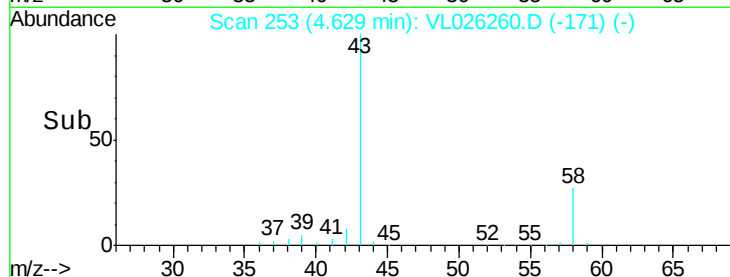
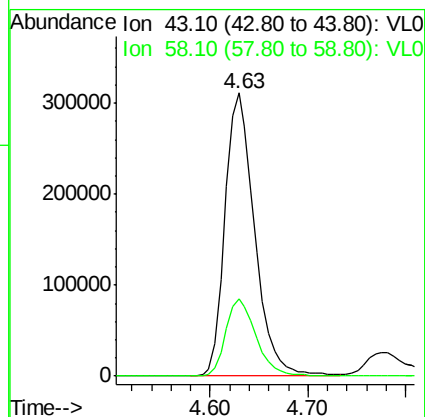
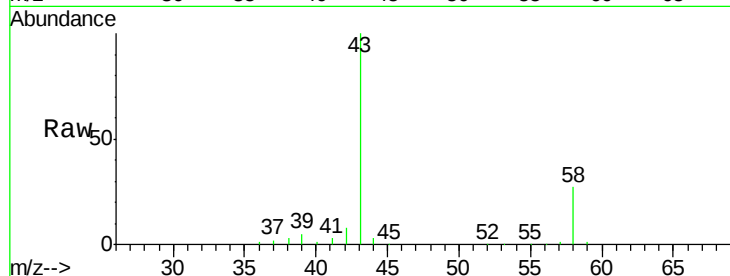
VSTDICCC010

Manual Integrations

APPROVED

Mmdadoda

10/30/2015 12:06:30 PM



#16

1,3-Butadiene

Concen: 9.67 ppbv

RT: 4.00 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL026260.D

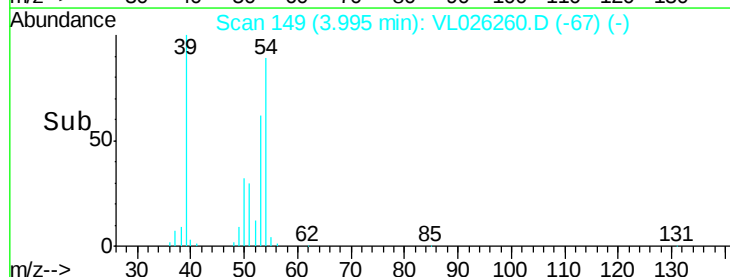
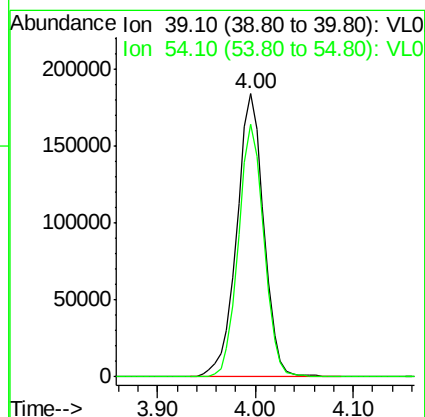
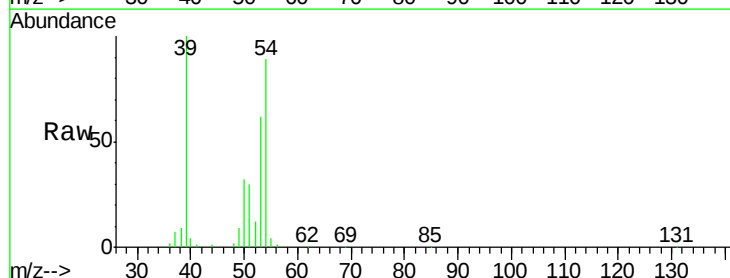
Acq: 29 Oct 2015 9:21

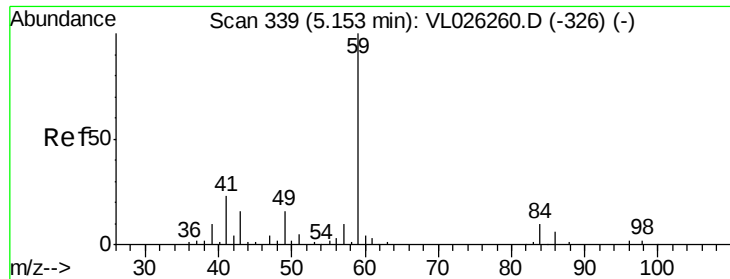
Tgt Ion: 39 Resp: 354847

Ion Ratio Lower Upper

39 100

54 84.1 67.3 100.9





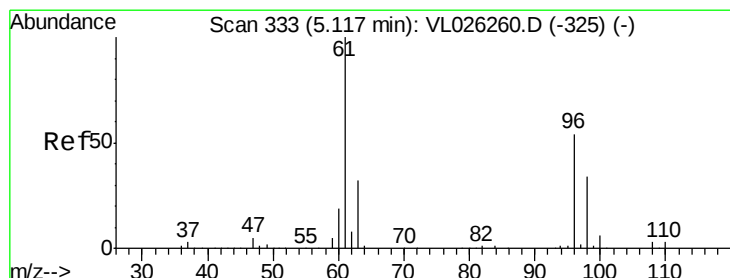
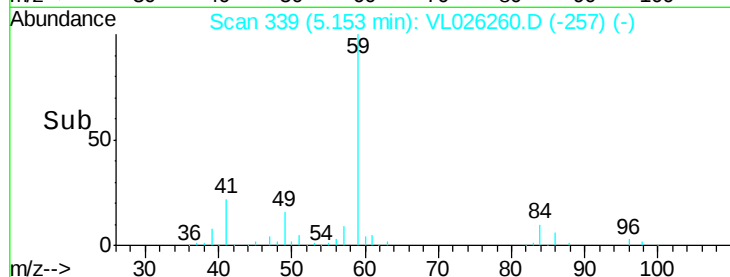
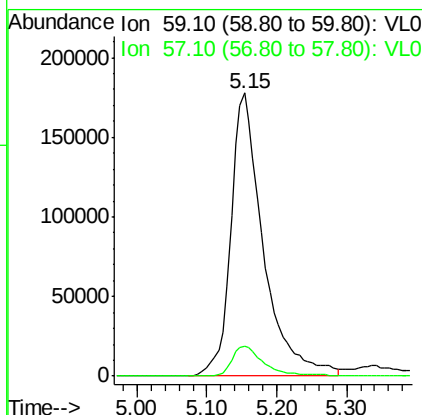
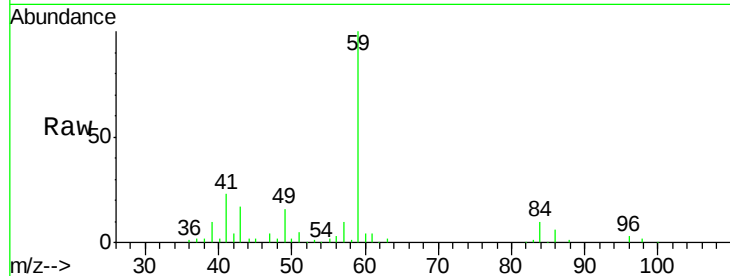
#17
tert-Butyl alcohol
Concen: 10.21 ppbv
RT: 5.15 min Scan# 339
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	59	57	Ratio	100	10.9	Resp	573907	Lower	8.6	Upper	13.0

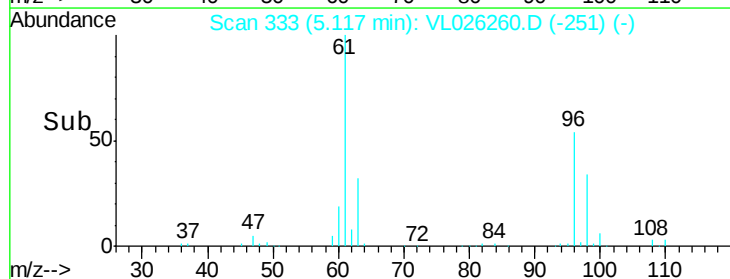
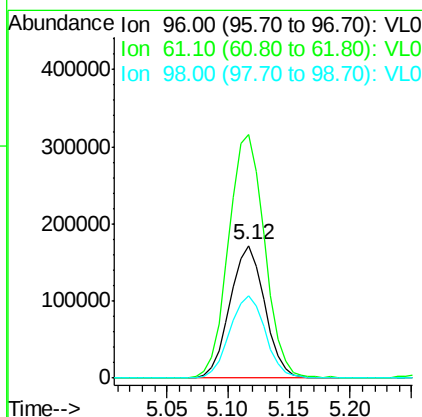
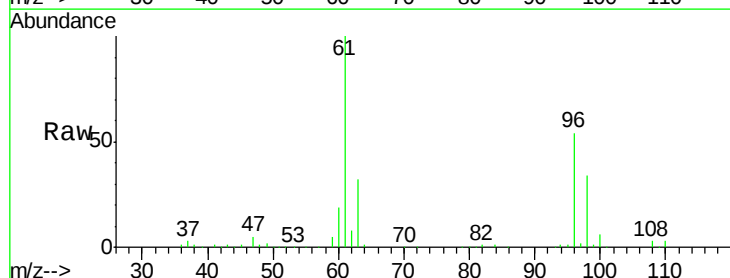
Manual Integrations
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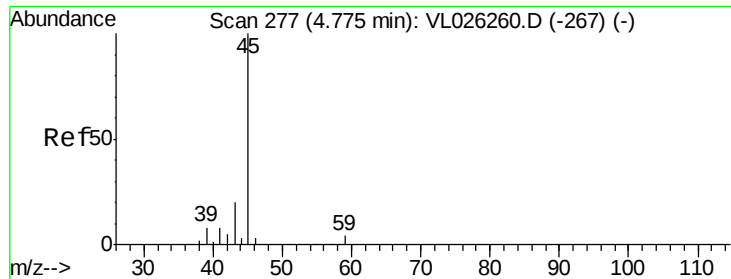
Mmdadoda
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#18
1,1-Dichloroethene
Concen: 9.68 ppbv
RT: 5.12 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Tgt Ion	96	61	98	Ratio	100	183.7	62.6	Resp	338817	Lower	147.0	50.1	Upper	220.4	75.1





#19

Isopropyl Alcohol

Concen: 10.37 ppbv

RT: 4.78 min Scan# 277

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 333606

Ion Ratio Lower Upper

45 100

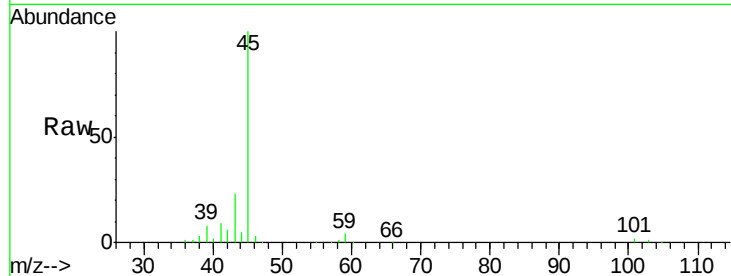
58 54.8 43.8 65.8

Manual Integrations

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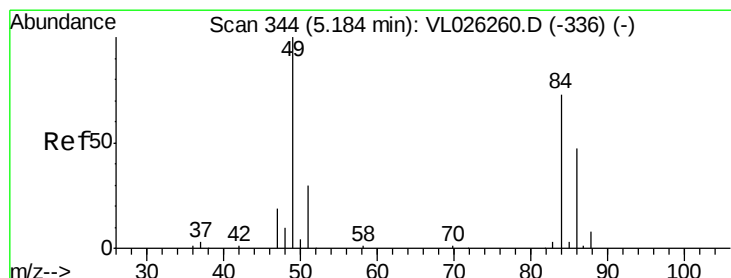
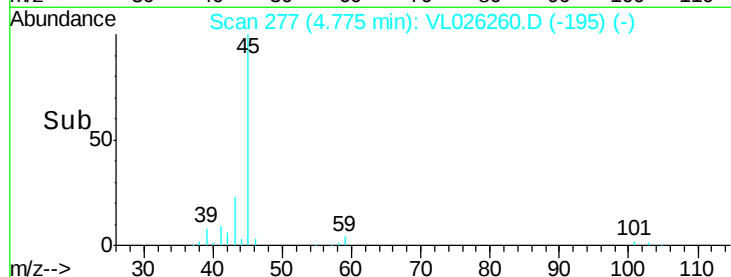
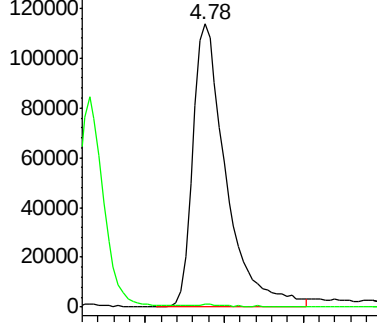
Mmdadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.25 ppbv

RT: 5.18 min Scan# 344

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Tgt Ion: 84 Resp: 303625

Ion Ratio Lower Upper

84 100

49 136.2 109.0 163.4

51 41.0 32.8 49.2

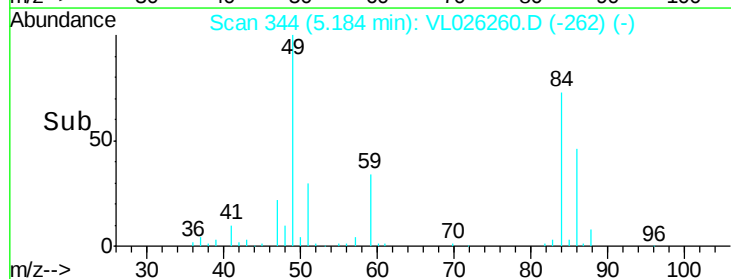
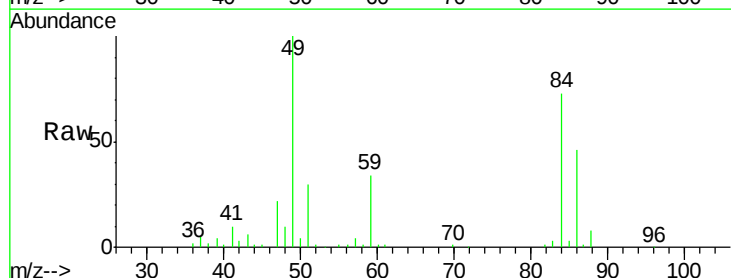
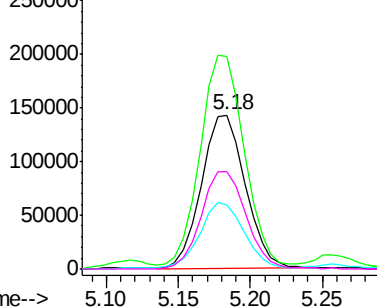
86 63.5 50.8 76.2

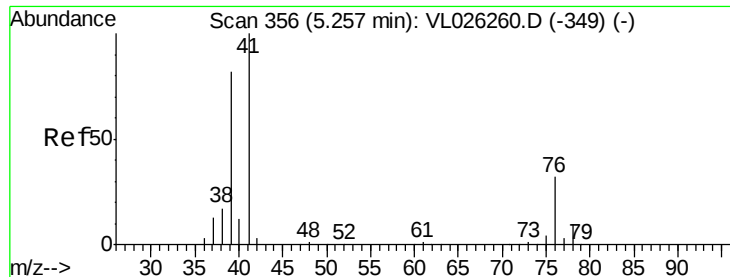
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





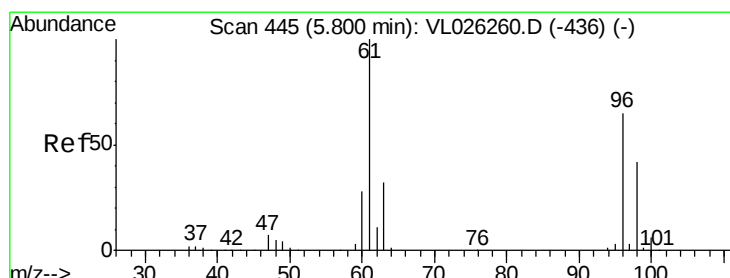
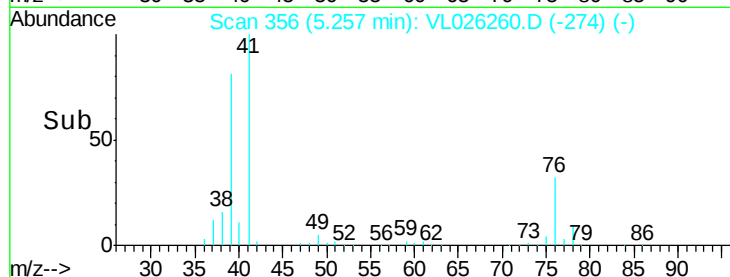
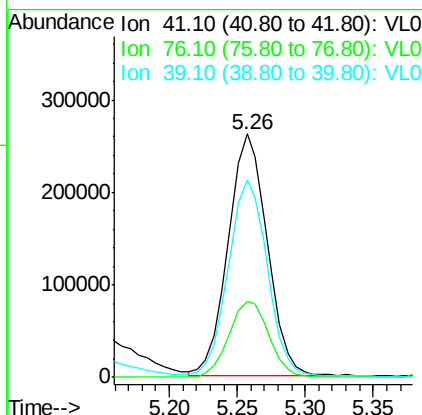
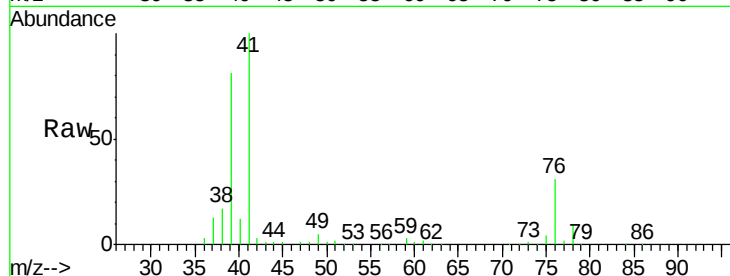
#21
Allvl Chloride
Concen: 9.72 ppbv
RT: 5.26 min Scan# 356
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
41	100	521978		
76	32.4		25.9	38.9
39	82.2		66.2	99.4

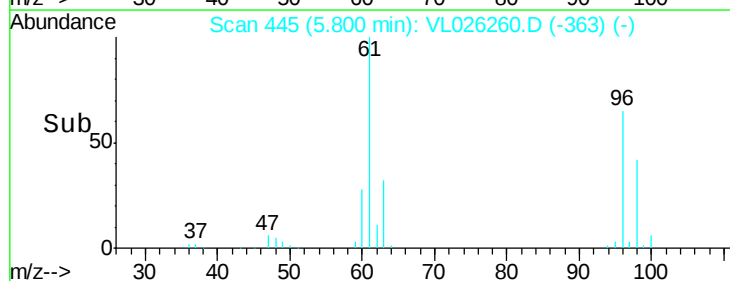
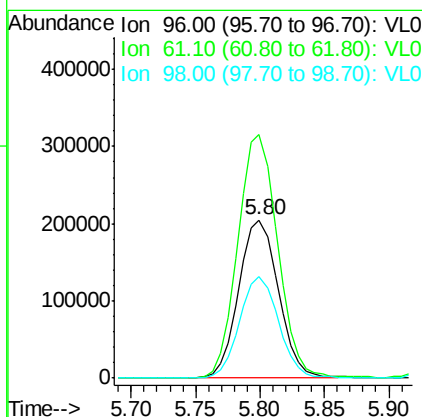
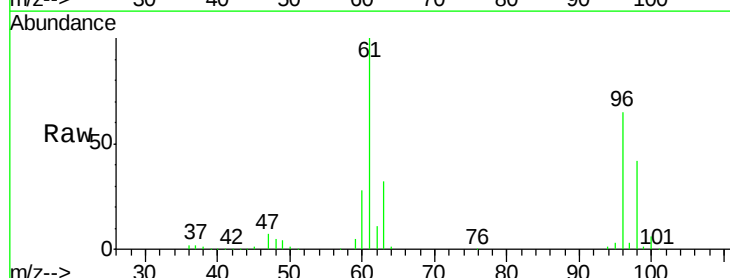
Manual Integrations
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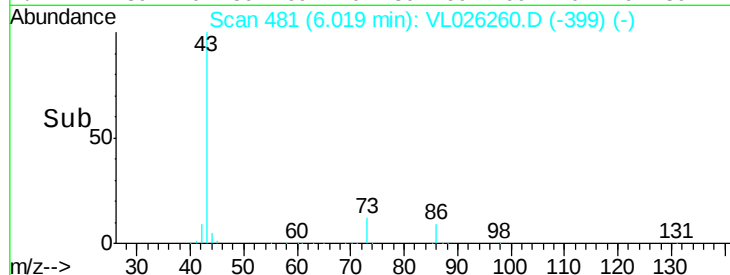
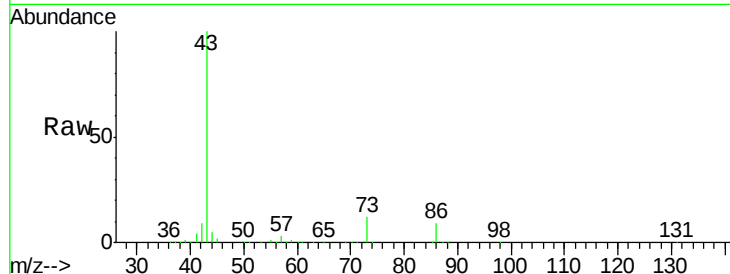
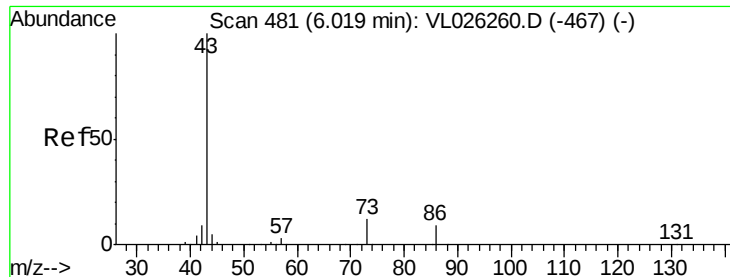
Mmdadoda
10/30/2015 12:06:30 PM



#22
trans-1,2-Dichloroethene
Concen: 9.72 ppbv
RT: 5.80 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

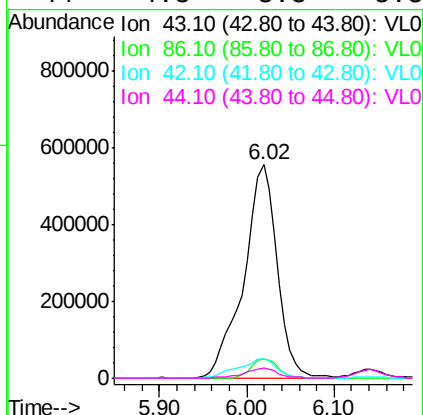
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	438910		
61	154.0		123.2	184.8
98	64.2		51.4	77.0





#23
 Vinyl Acetate
 Concen: 9.70 ppbv
 RT: 6.02 min Scan# 481
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

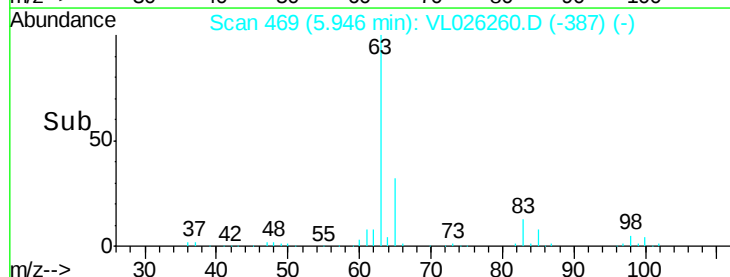
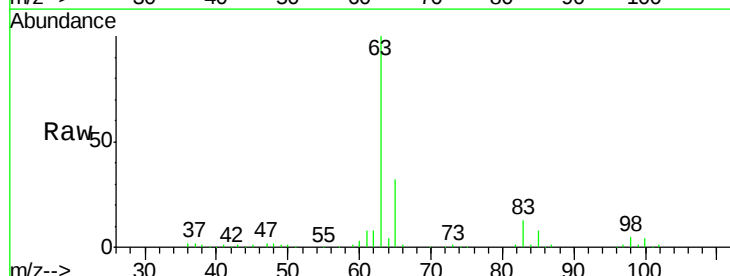
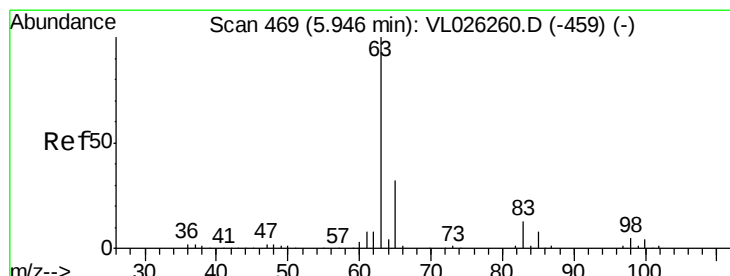
Tot Ion	43	Resp	1470667
Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.3	10.9
42	9.0	7.2	10.8
44	4.8	3.8	5.8



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

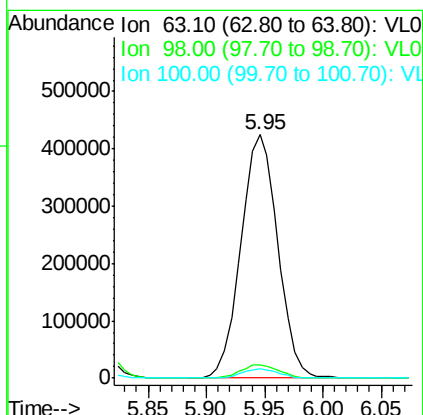
Manual Integrations
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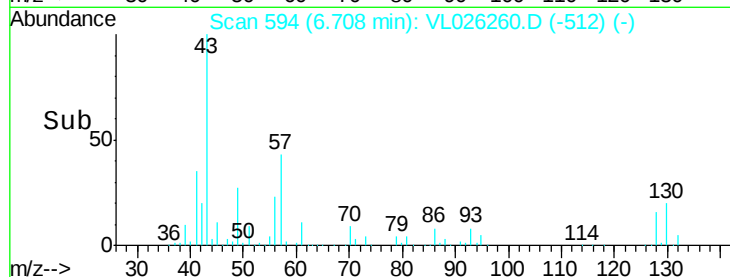
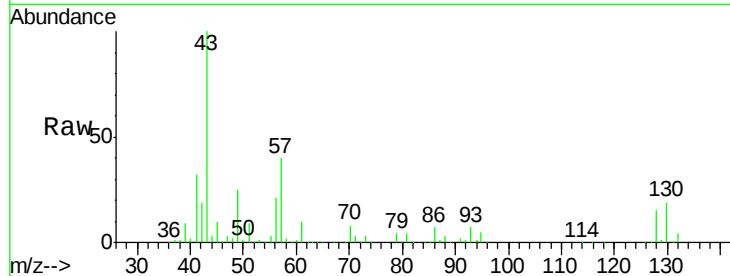
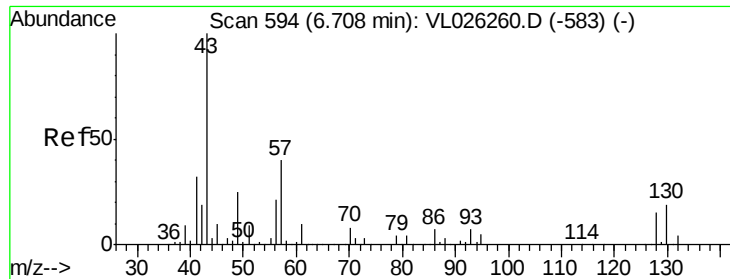
Mmdadoda
 10/30/2015 12:06:30 PM



#24
 1,1-Dichloroethane
 Concen: 9.76 ppbv
 RT: 5.95 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Tgt Ion	63	Resp	934051
Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.7	8.1
100	3.8	1.9	5.7





#25
Ethyl Acetate
Concen: 9.51 ppbv
RT: 6.71 min Scan# 594
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

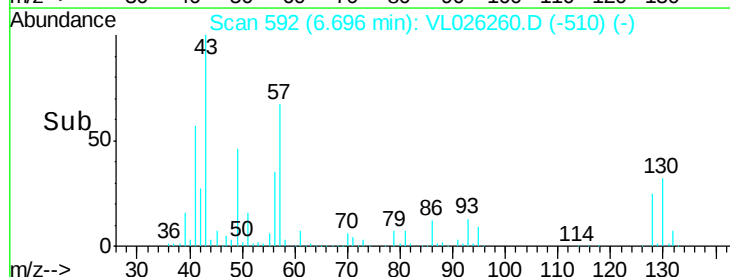
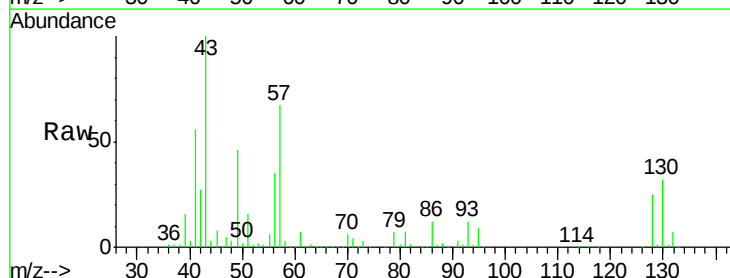
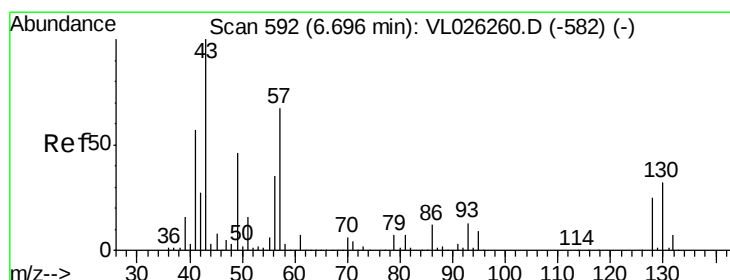
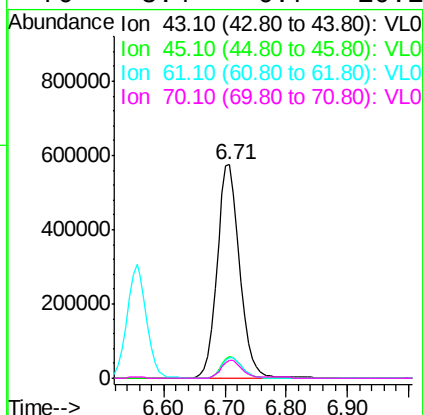
Tot Ion: 43 Resp: 1466263

Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.7	11.5
61	9.3	7.4	11.0
70	8.4	6.7	10.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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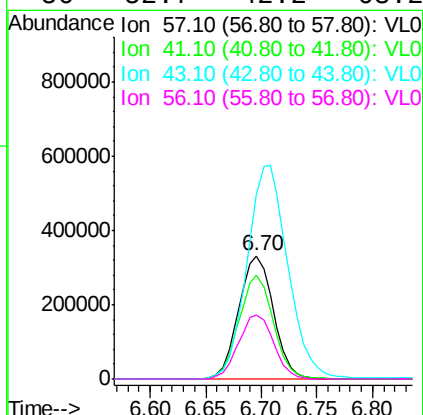
Mmdadoda
10/30/2015 12:06:30 PM

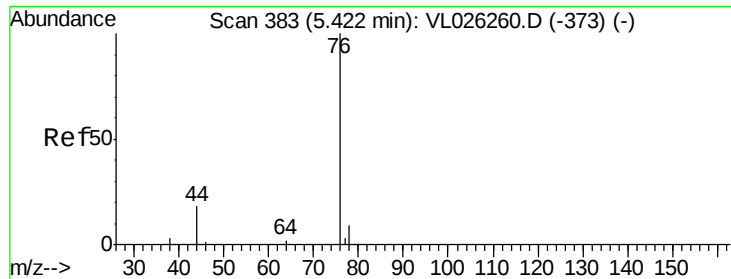


#26
Hexane
Concen: 9.35 ppbv
RT: 6.70 min Scan# 592
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Tgt Ion: 57 Resp: 720826

Ion	Ratio	Lower	Upper
57	100		
41	84.3	67.4	101.2
43	204.9	163.5	245.3
56	52.7	42.2	63.2





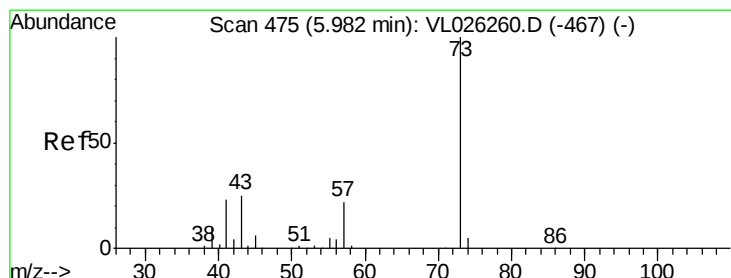
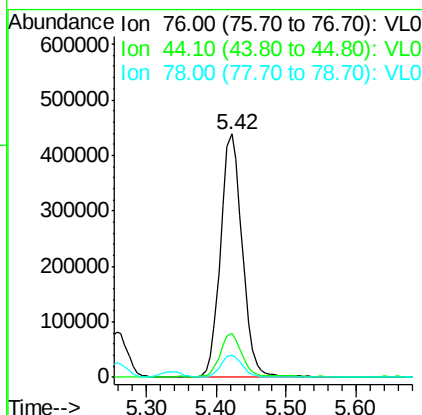
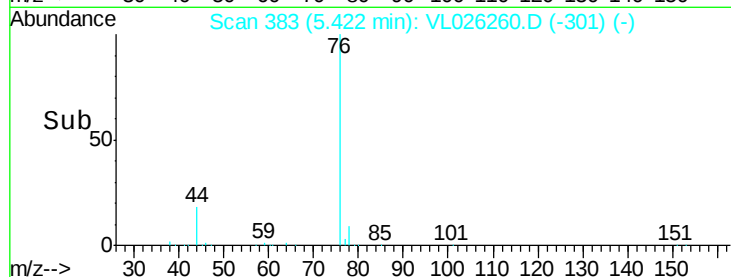
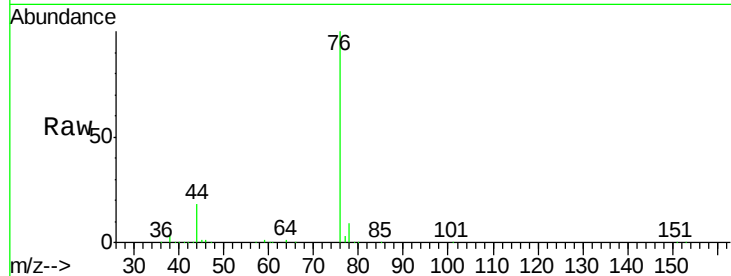
#27
Carbon Disulfide
Concen: 9.65 ppbv
RT: 5.42 min Scan# 383
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	17.6	14.1	21.1
78	9.2	7.4	11.2

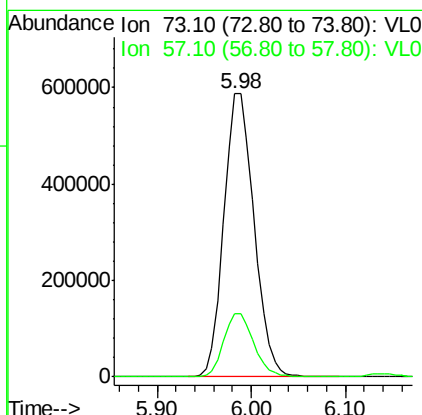
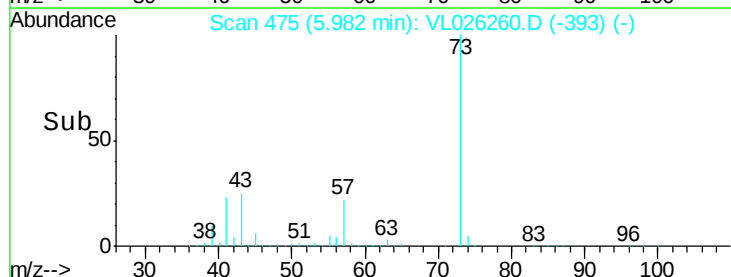
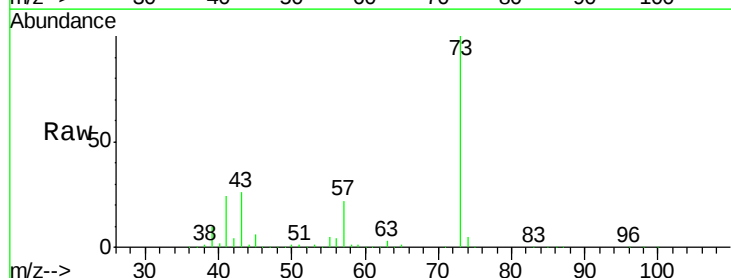
Manual Integrations
APPROVED

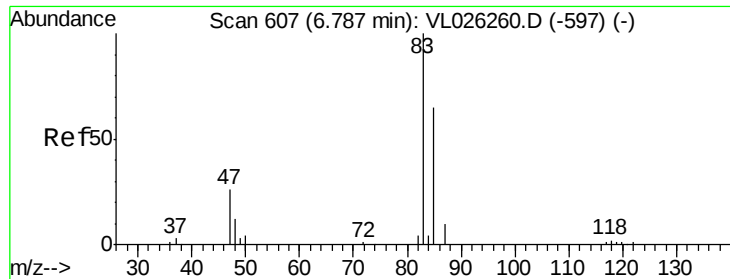
Mmdadoda
10/30/2015 12:06:30 PM



#28
Methyl tert-Butyl Ether
Concen: 9.33 ppbv
RT: 5.98 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5





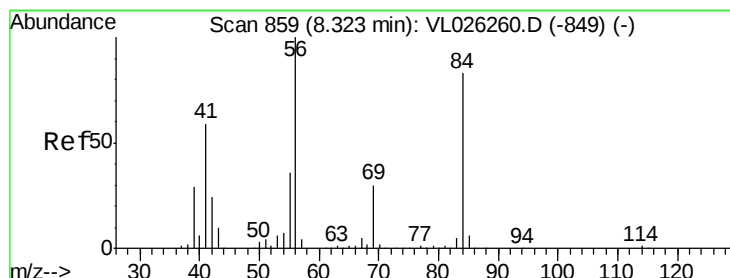
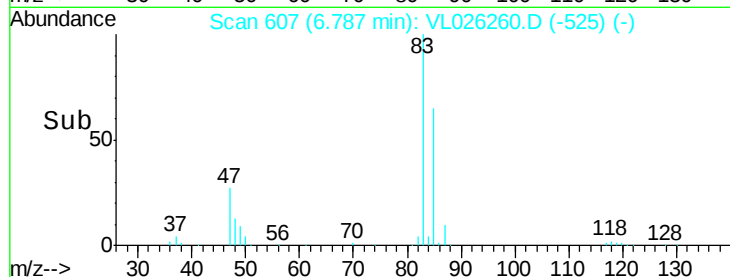
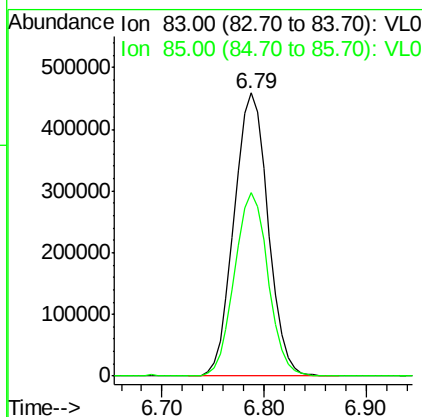
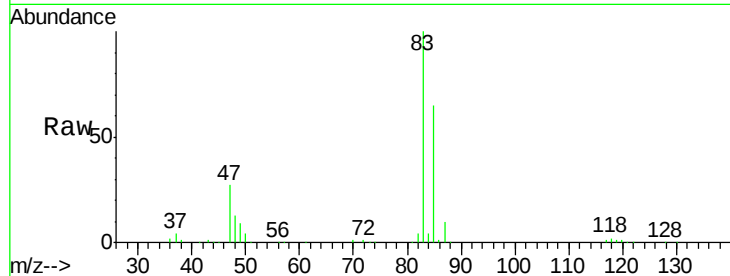
#29
Chloroform
Concen: 9.50 ppbv
RT: 6.79 min Scan# 607
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1062351
Ion Ratio Lower Upper
83 100
85 65.0 52.0 78.0

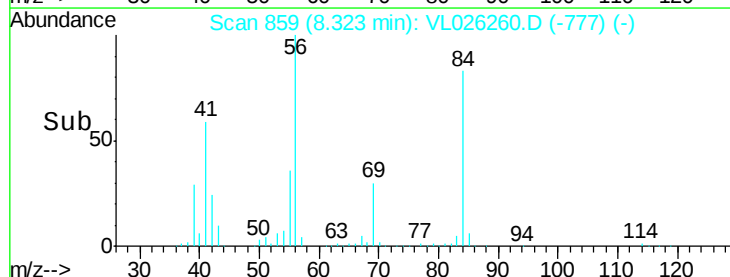
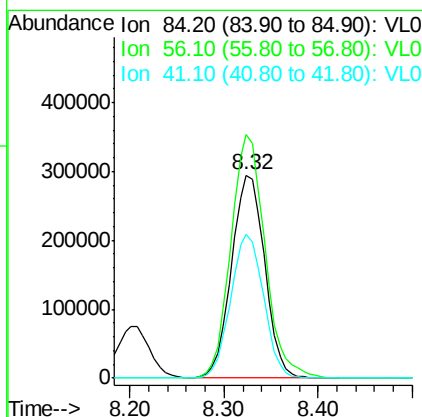
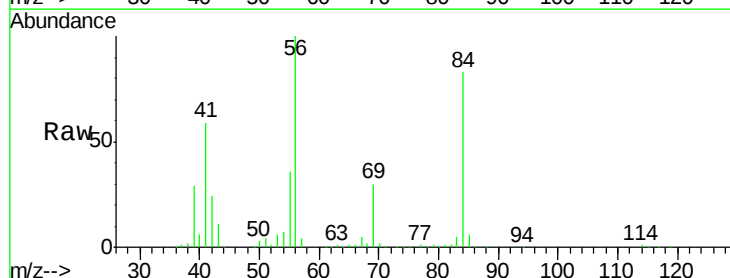
Manual Integrations
APPROVED

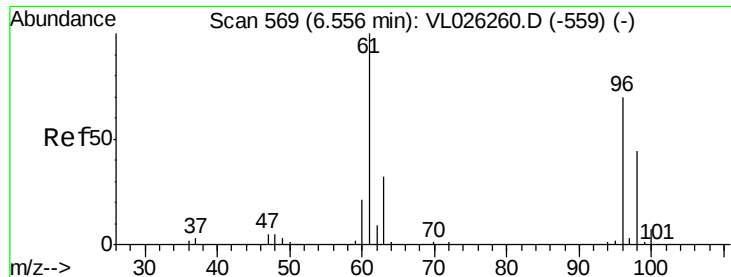
Mmdadoda
10/30/2015 12:06:30 PM



#30
Cyclohexane
Concen: 9.36 ppbv
RT: 8.32 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Tgt Ion: 84 Resp: 721202
Ion Ratio Lower Upper
84 100
56 124.5 99.6 149.4
41 70.9 56.7 85.1





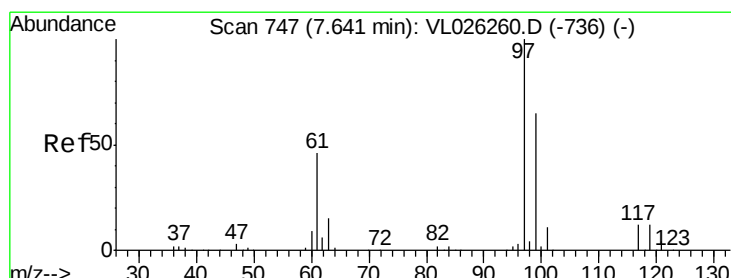
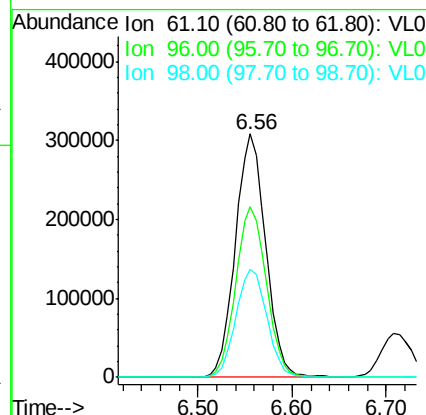
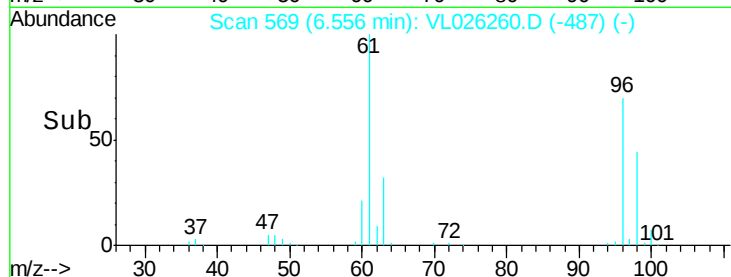
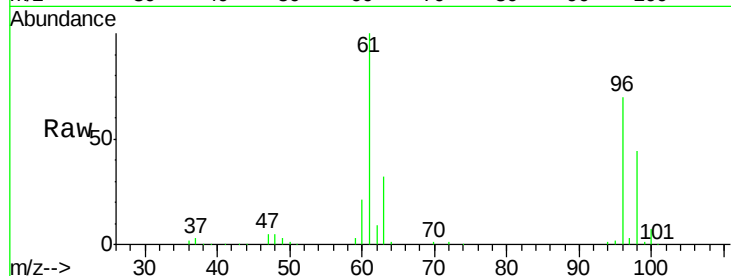
#31
 cis-1,2-Dichloroethene
 Concen: 9.84 ppbv
 RT: 6.56 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
61	100	688505		
96	70.3		56.2	84.4
98	44.3		35.4	53.2

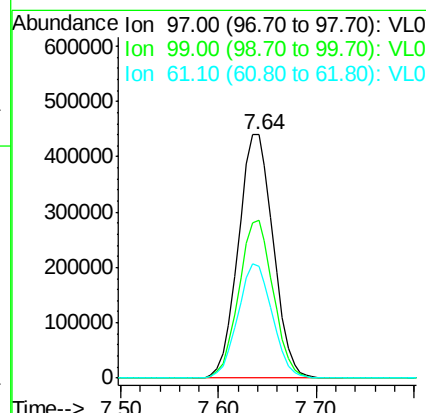
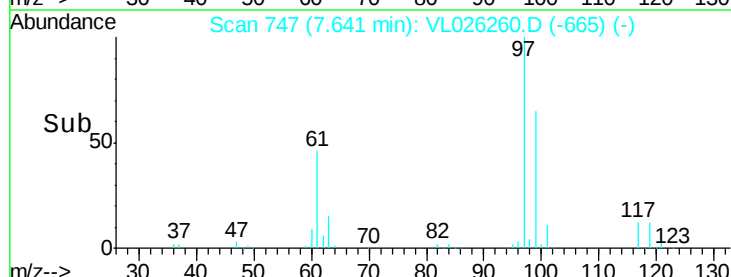
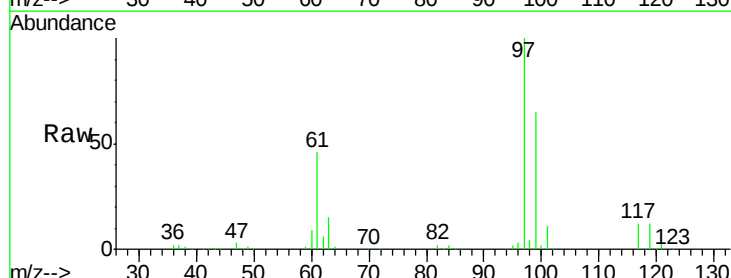
Manual Integrations
 APPROVED

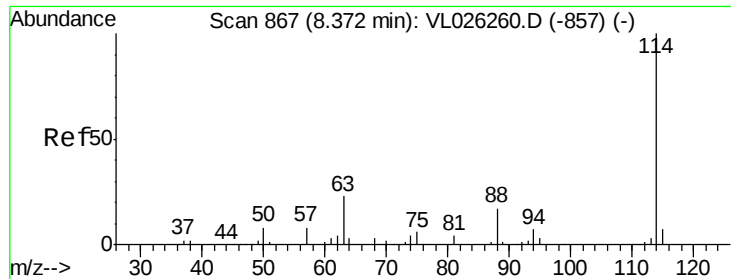
Mmdadoda
 10/30/2015 12:06:30 PM



#32
 1,1,1-Trichloroethane
 Concen: 8.80 ppbv
 RT: 7.64 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	1091320		
99	63.8		51.0	76.6
61	46.4		37.0	55.6





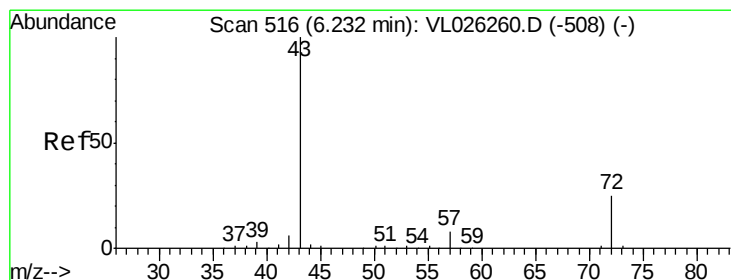
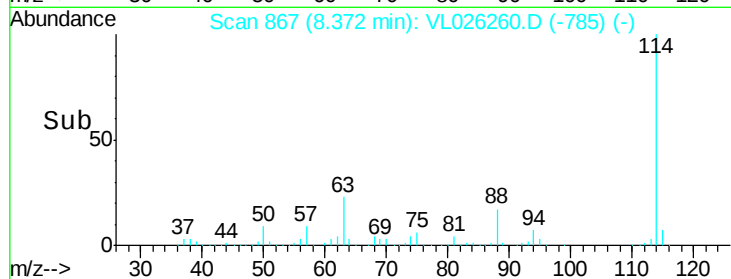
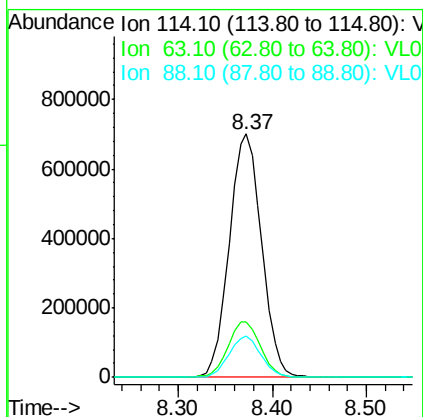
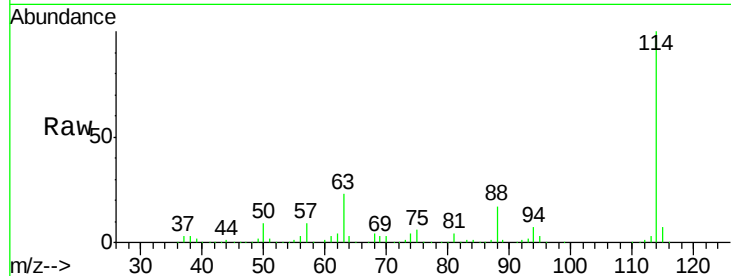
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:114 Resp: 1665865
 Ion Ratio Lower Upper
 114 100
 63 23.3 18.6 28.0
 88 16.8 13.4 20.2

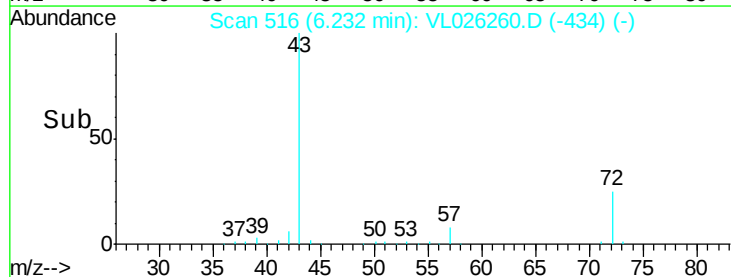
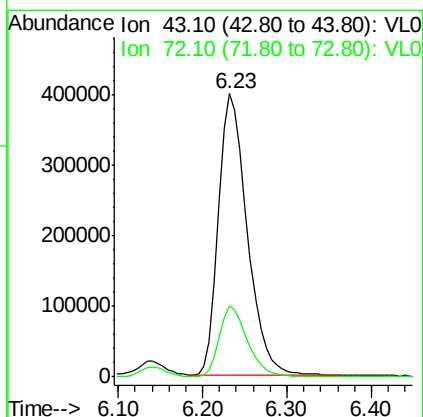
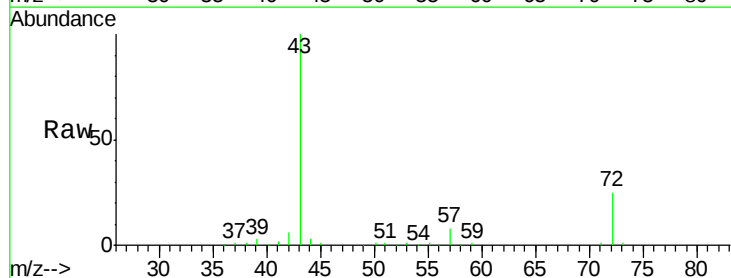
Manual Integrations
 APPROVED

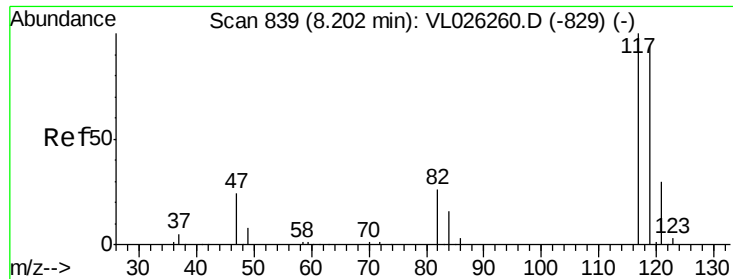
Mmdadoda
 10/30/2015 12:06:30 PM



#34
 2-Butanone
 Concen: 9.99 ppbv
 RT: 6.23 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Tgt Ion: 43 Resp: 940745
 Ion Ratio Lower Upper
 43 100
 72 24.9 19.9 29.9





#35

Carbon Tetrachloride

Concen: 8.81 ppbv

RT: 8.20 min Scan# 839

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 1117726

Ion Ratio Lower Upper

117 100

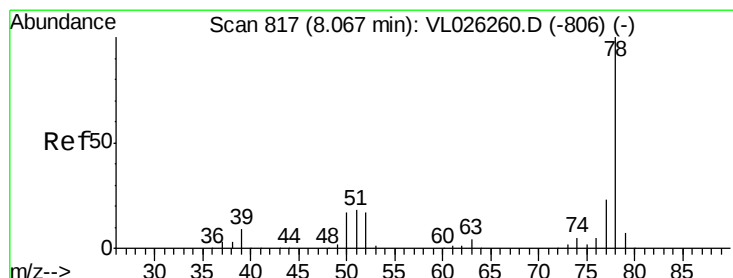
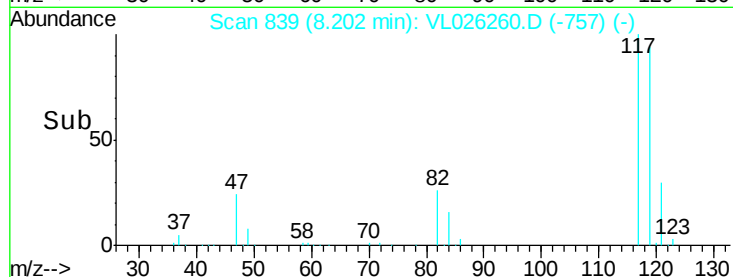
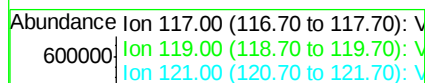
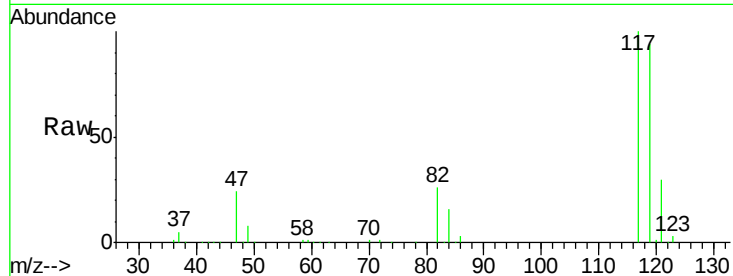
119 94.0 75.2 112.8

121 30.2 24.2 36.2

Manual Integrations
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#36

Benzene

Concen: 9.66 ppbv

RT: 8.07 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

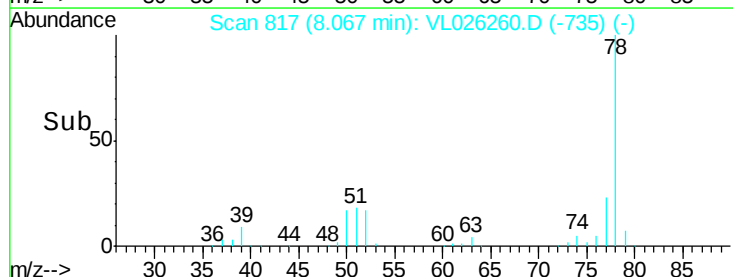
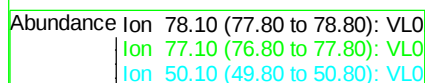
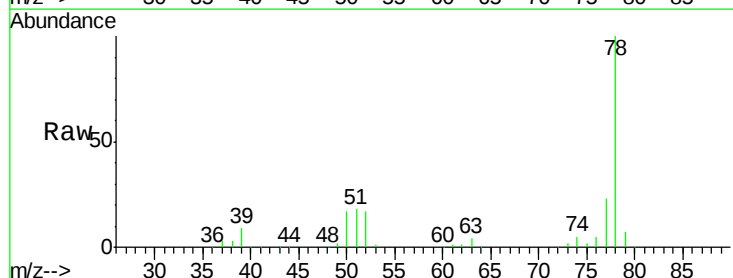
Tgt Ion: 78 Resp: 1639375

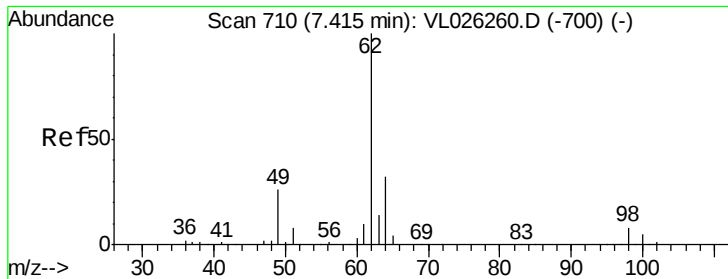
Ion Ratio Lower Upper

78 100

77 22.5 18.0 27.0

50 16.6 13.3 19.9





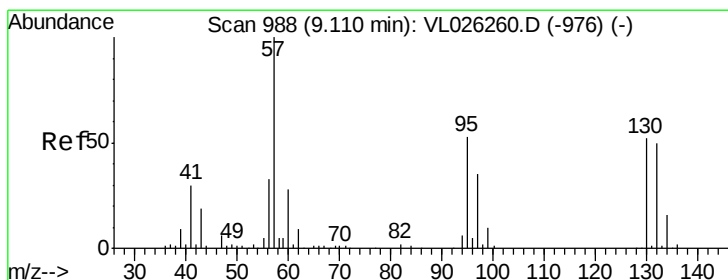
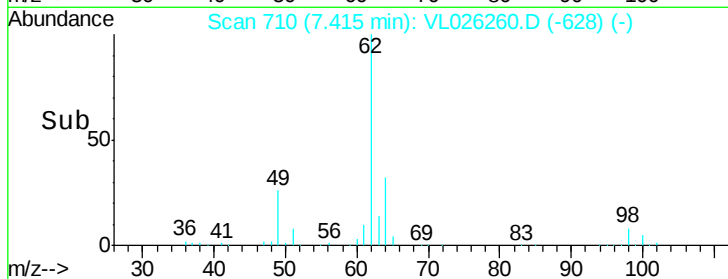
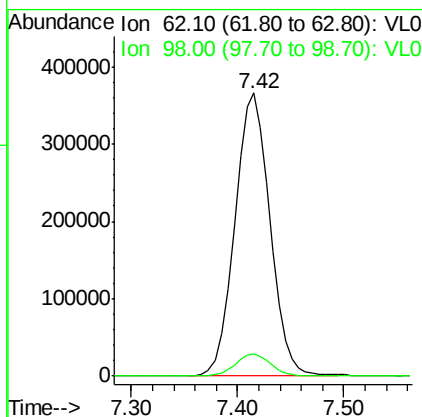
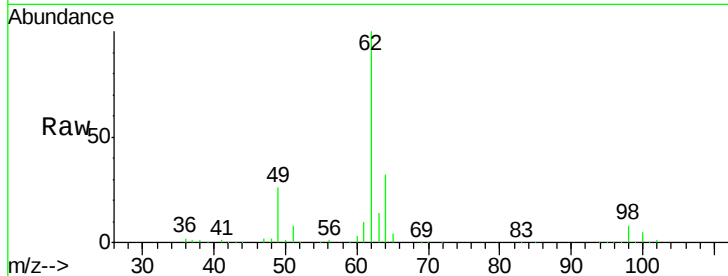
#37
 1,2-Dichloroethane
 Concen: 9.69 ppbv
 RT: 7.42 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
62	100	845194		
98	7.9	6.3	9.5	

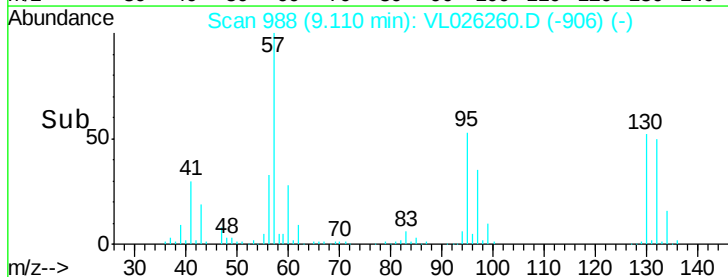
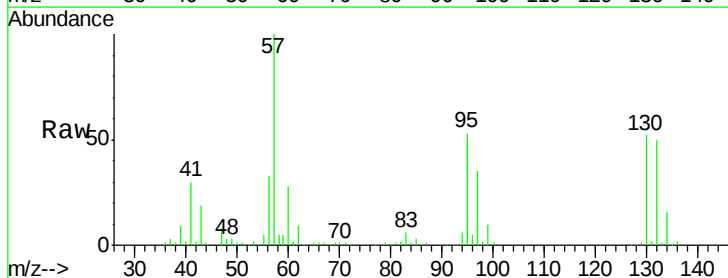
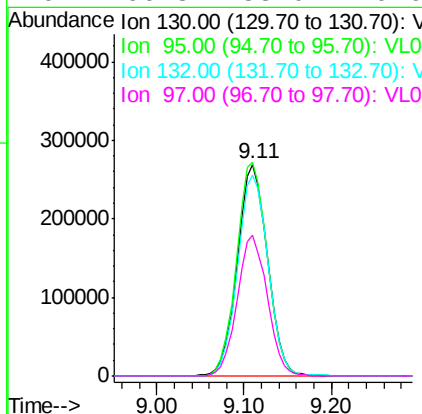
Manual Integrations
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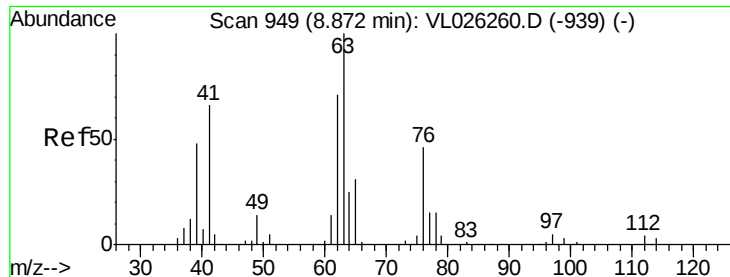
Mmdadoda
 10/30/2015 12:06:30 PM



#38
 Trichloroethene
 Concen: 7.84 ppbv
 RT: 9.11 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	645698		
95	101.0	80.8	121.2	
132	95.2	76.2	114.2	
97	66.3	53.0	79.6	





#39

1,2-Dichloropropane

Concen: 9.95 ppbv

RT: 8.87 min Scan# 949

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

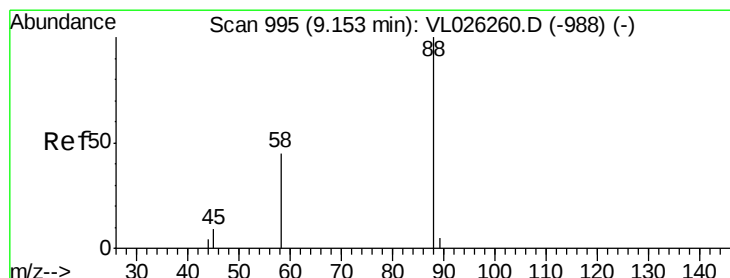
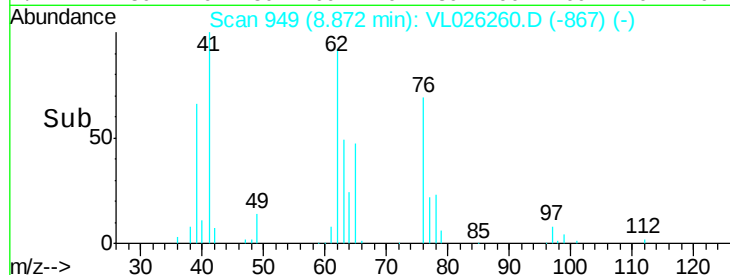
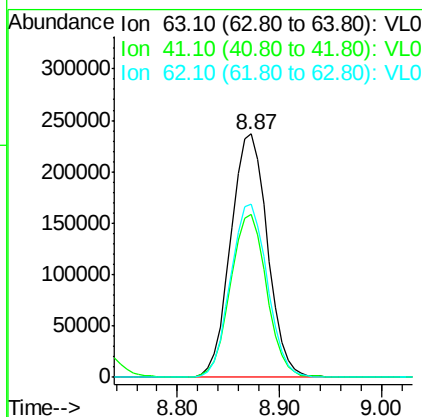
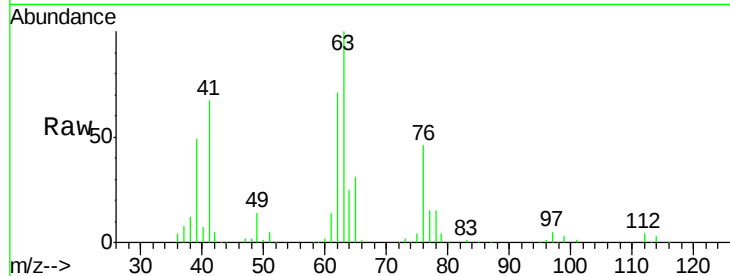
ClientSampleId :

VSTDICCC010

Tot Ion:	63	Resp:	593545
Ion	Ratio	Lower	Upper
63	100		
41	66.5	53.2	79.8
62	71.4	57.1	85.7

Manual Integrations
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#40

1,4-Dioxane

Concen: 12.01 ppbv

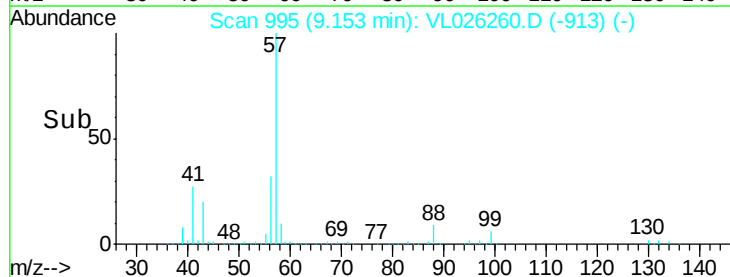
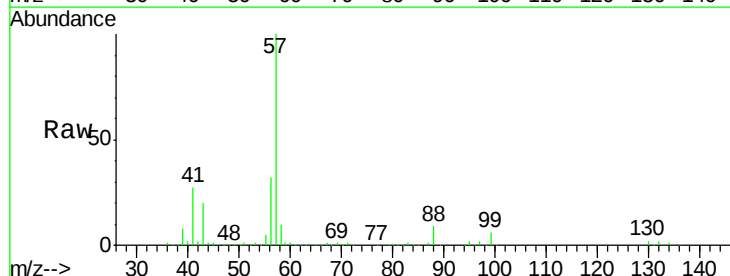
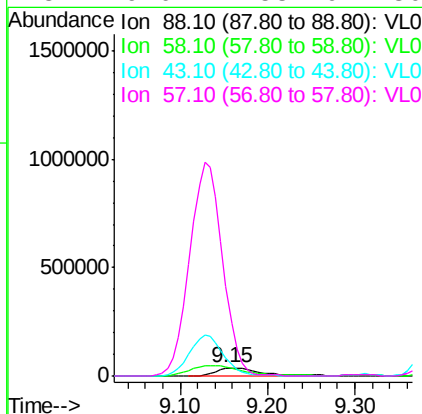
RT: 9.15 min Scan# 995

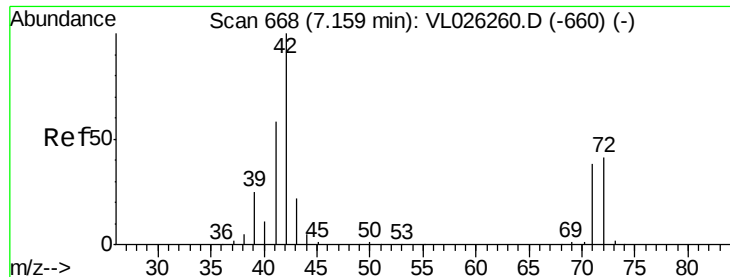
Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Tgt Ion:	88	Resp:	134644
Ion	Ratio	Lower	Upper
88	100		
58	157.7	125.1	187.7
43	384.1	305.1	457.7
57	1920.7	1537.0	2305.4





#41

Tetrahydrofuran

Concen: 10.45 ppbv

RT: 7.16 min Scan# 668

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

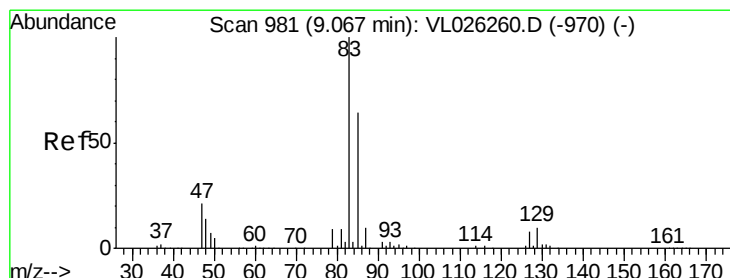
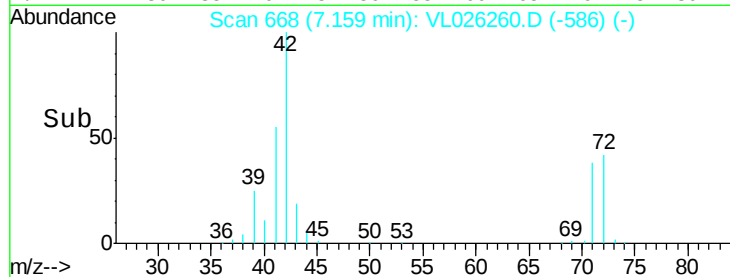
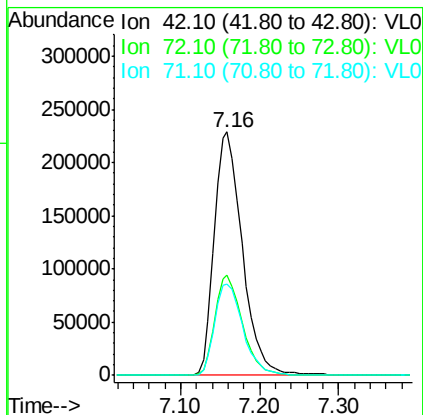
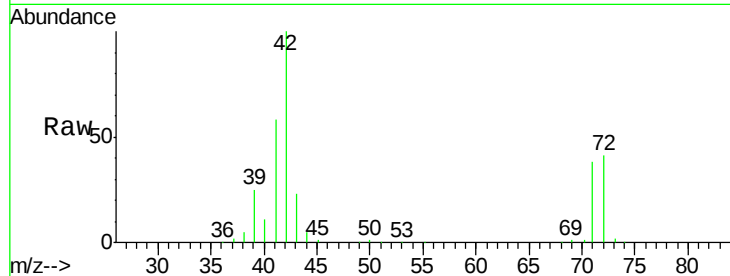
ClientSampleId :

VSTDICCC010

Tot Ion:	42	Resp:	569721
Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.2	48.4
71	38.0	30.4	45.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.44 ppbv

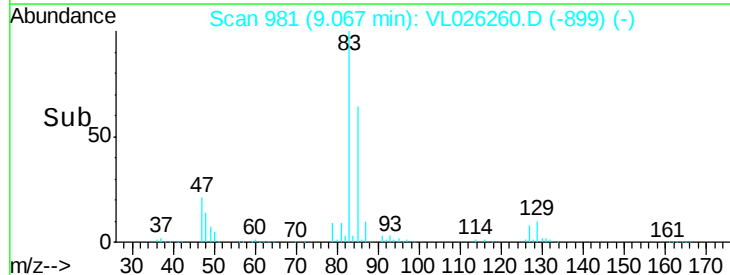
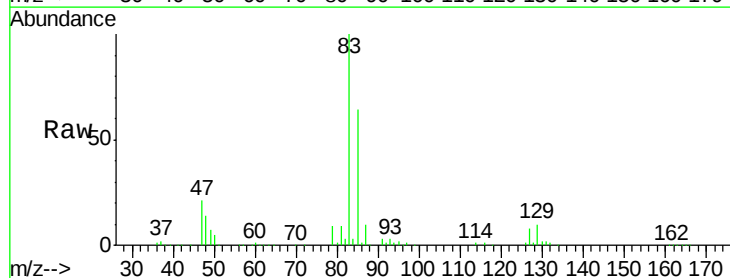
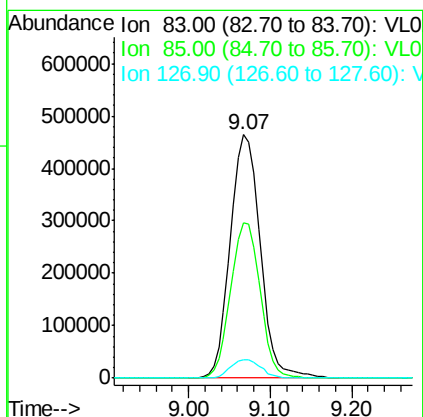
RT: 9.07 min Scan# 981

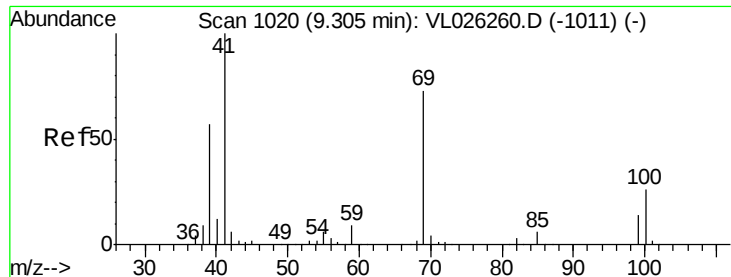
Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Tgt Ion:	83	Resp:	1184517
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
127	7.8	6.2	9.4





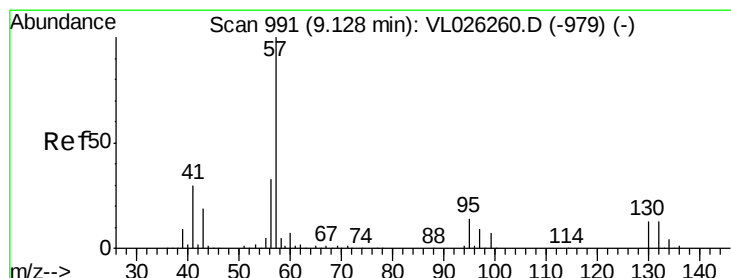
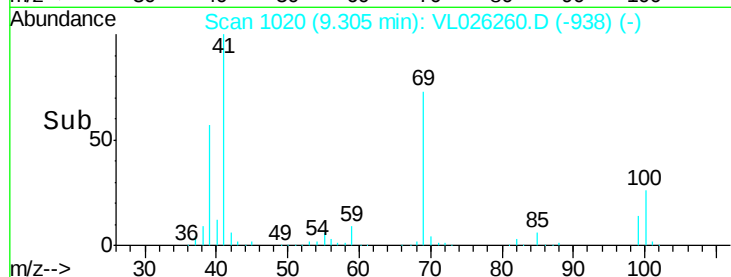
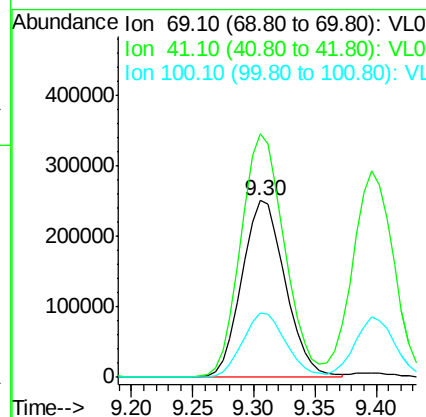
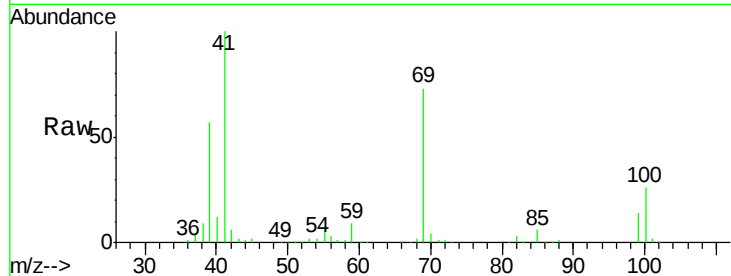
#43
Methvl Methacrylate
Concen: 10.07 ppbv
RT: 9.30 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	137.5	109.2	163.8
100	35.8	28.4	42.6

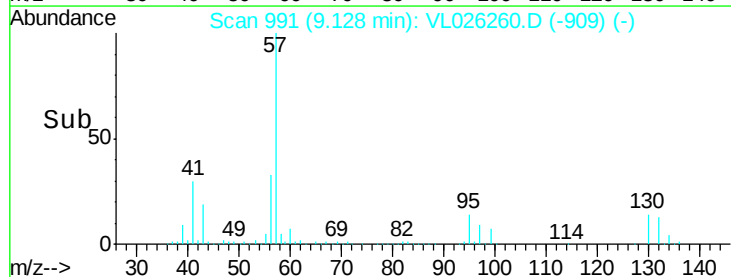
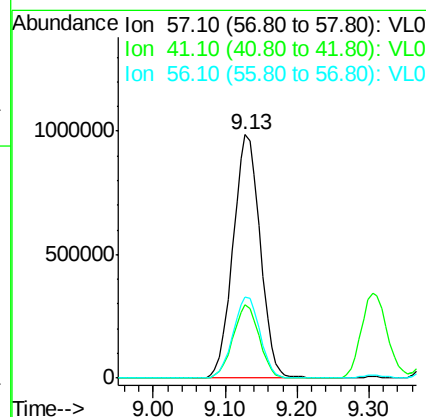
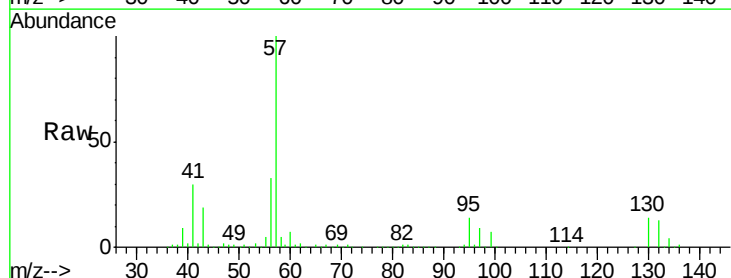
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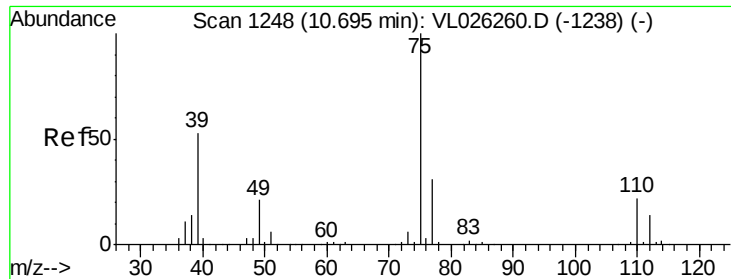
Mmdadoda
10/30/2015 12:06:30 PM



#44
2,2,4-Trimethylpentane
Concen: 9.42 ppbv
RT: 9.13 min Scan# 991
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Tgt Ion	Ratio	Lower	Upper
57	100		
41	28.9	23.1	34.7
56	32.9	26.3	39.5





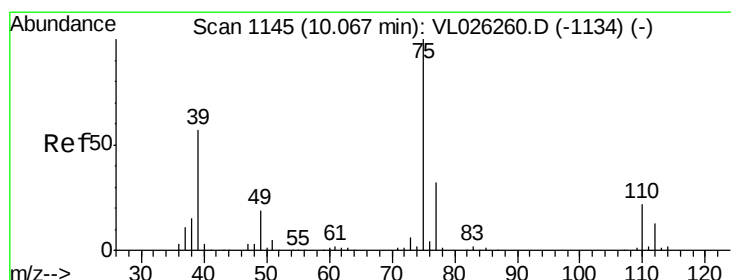
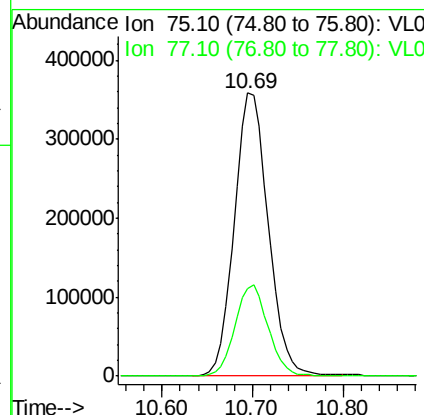
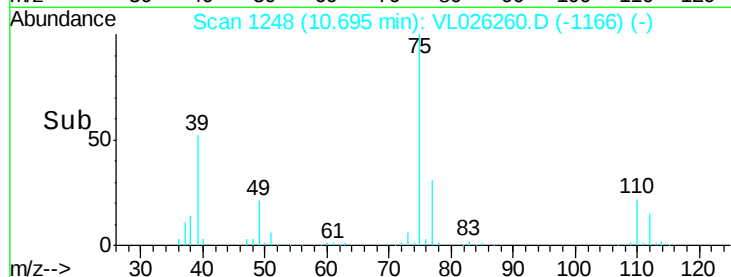
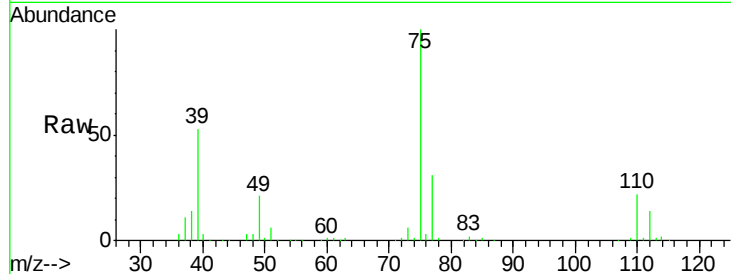
#45
 t-1,3-Dichloropropene
 Concen: 9.75 ppbv
 RT: 10.69 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 75 Resp: 939335
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.7 37.1

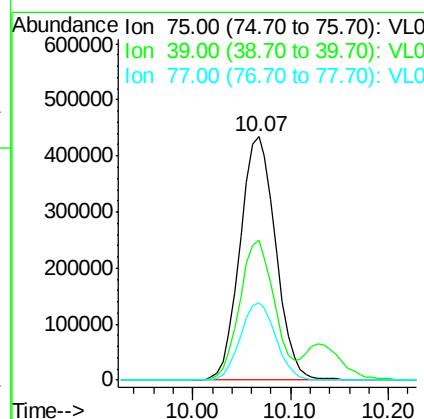
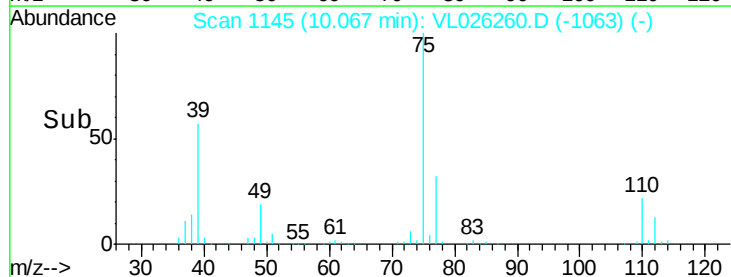
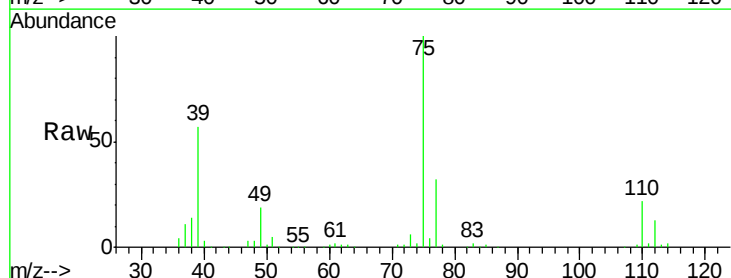
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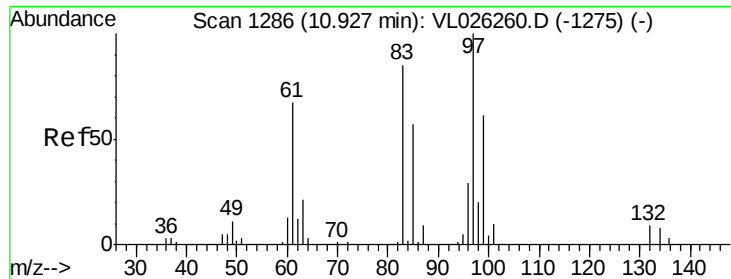
Mmdadoda
 10/30/2015 12:06:30 PM



#46
 cis-1,3-Dichloropropene
 Concen: 9.75 ppbv
 RT: 10.07 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Tgt Ion: 75 Resp: 1099532
 Ion Ratio Lower Upper
 75 100
 39 57.3 45.8 68.8
 77 31.6 25.3 37.9





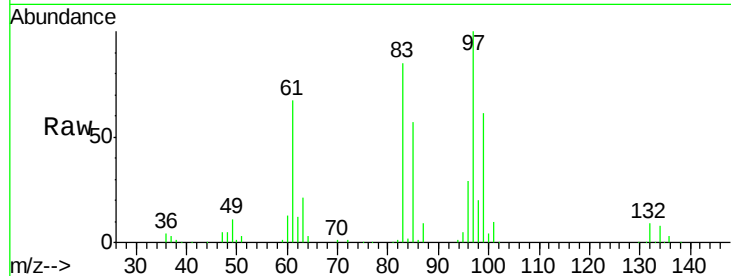
#47
 1,1,2-Trichloroethane
 Concen: 9.50 ppbv
 RT: 10.93 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

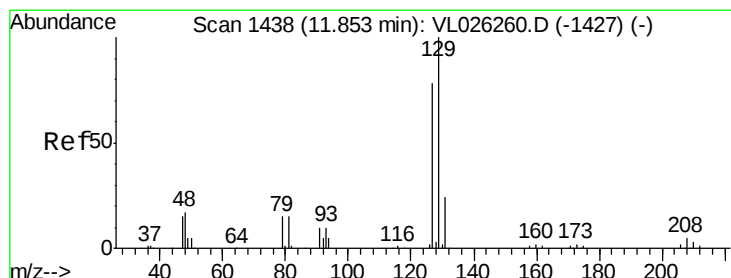
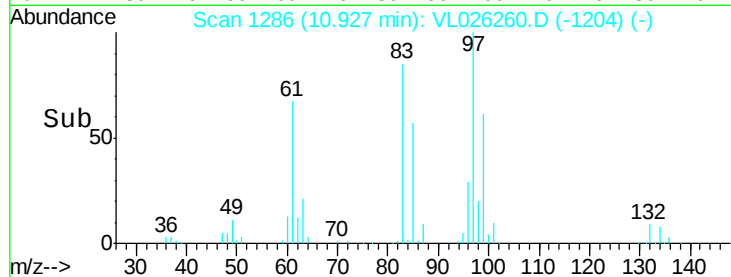
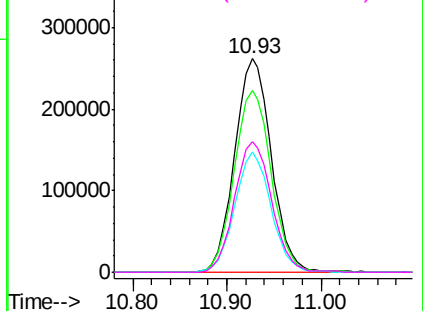
Tot Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.9	101.9
85	56.5	45.2	67.8
99	61.3	49.0	73.6

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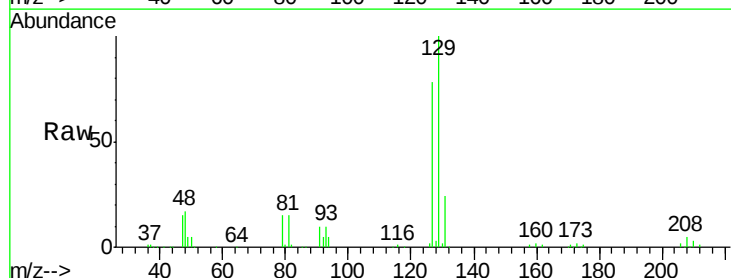


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

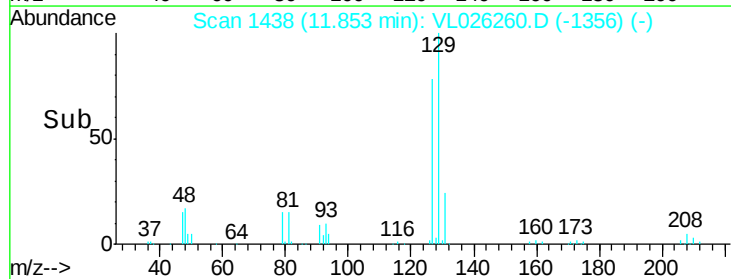
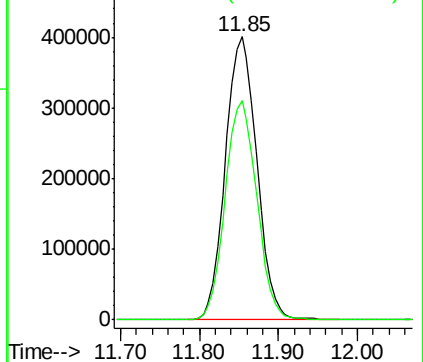


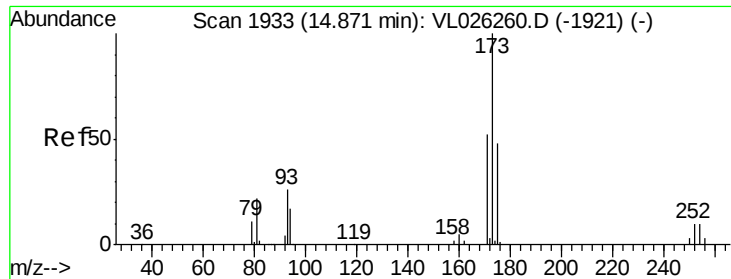
#48
 Dibromochloromethane
 Concen: 9.13 ppbv
 RT: 11.85 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





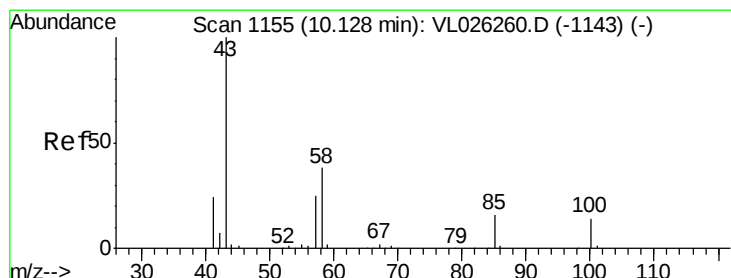
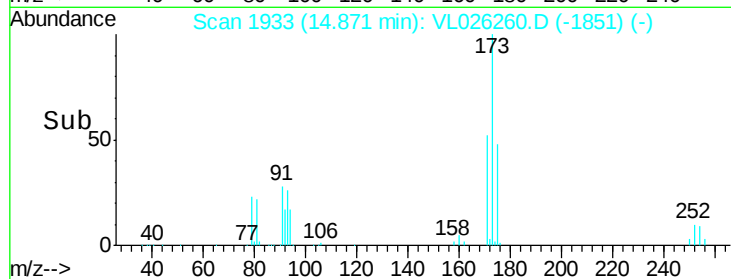
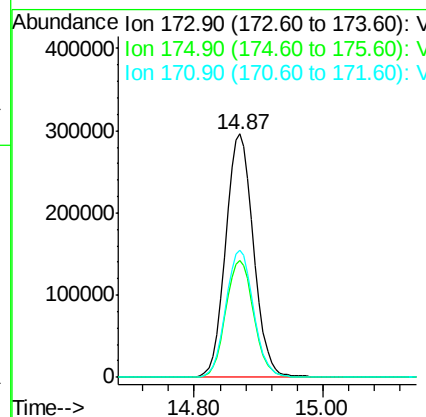
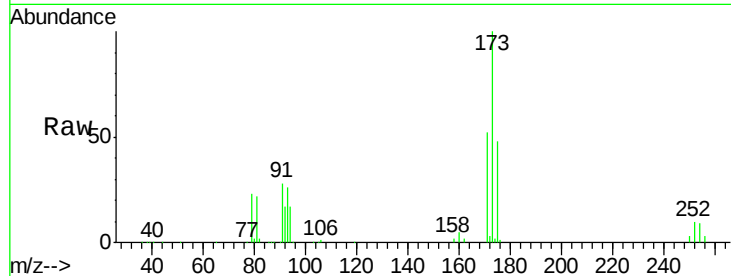
#49
Bromoform
Concen: 8.76 ppbv
RT: 14.87 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.8	58.2
171	52.1	41.8	62.6

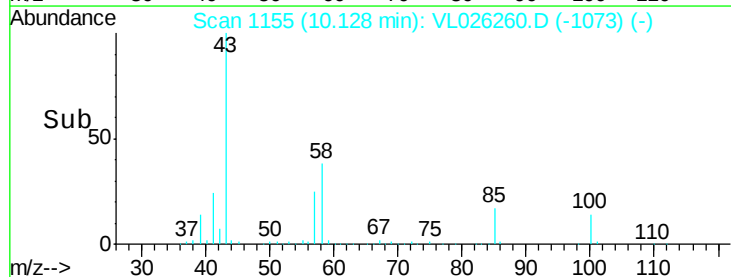
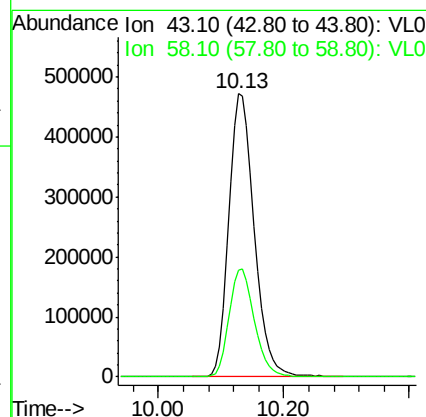
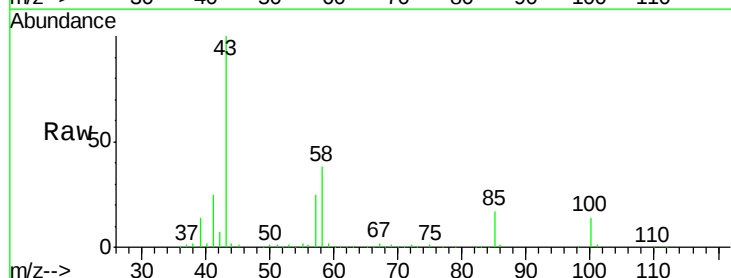
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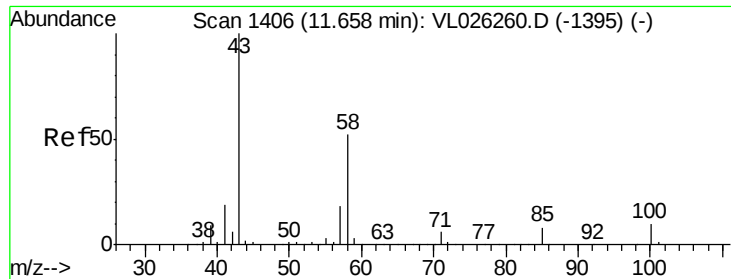
Mmdadoda
10/30/2015 12:06:30 PM



#50
4-Methyl-2-Pentanone
Concen: 10.41 ppbv
RT: 10.13 min Scan# 1155
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.5	45.7





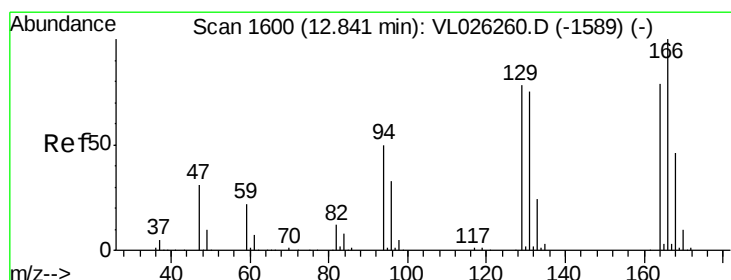
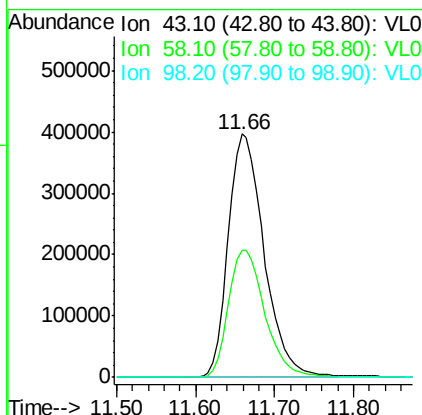
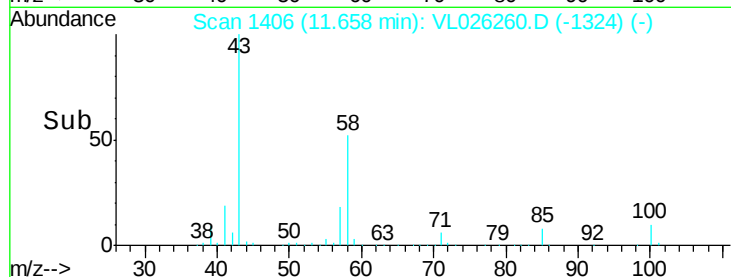
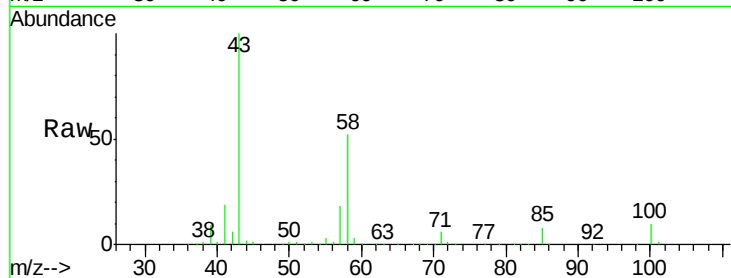
#51
2-Hexanone
Concen: 10.57 ppbv
RT: 11.66 min Scan# 1406
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1255105
Ion Ratio Lower Upper
43 100
58 53.4 42.7 64.1
98 0.0 0.0 0.0#

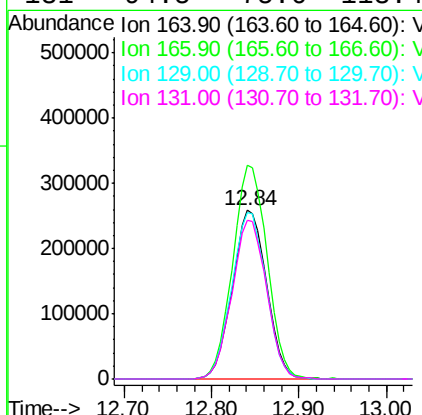
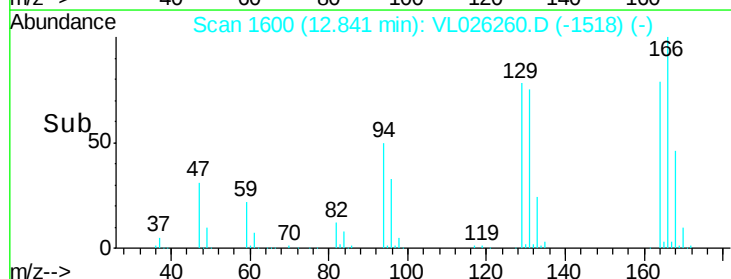
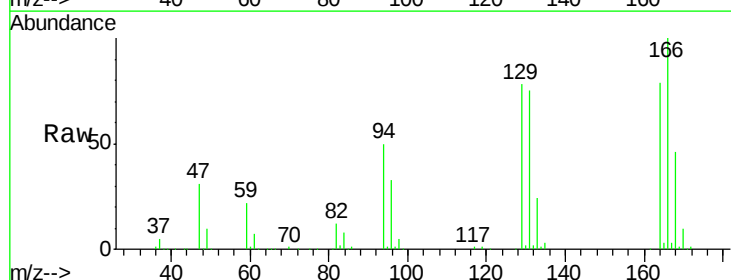
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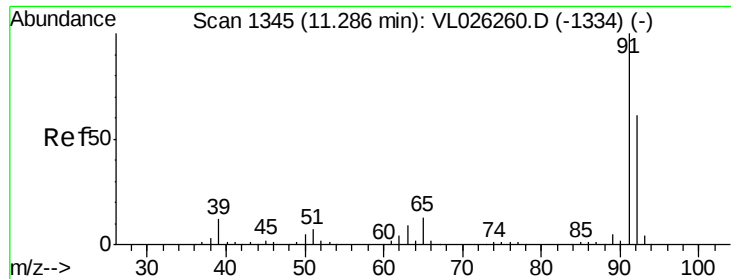
Mmdadoda
10/30/2015 12:06:30 PM



#52
Tetrachloroethene
Concen: 7.24 ppbv
RT: 12.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Tgt Ion: 164 Resp: 703996
Ion Ratio Lower Upper
164 100
166 126.7 101.4 152.0
129 98.5 78.8 118.2
131 94.5 75.6 113.4





#53

Toluene

Concen: 9.31 ppbv

RT: 11.29 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2148135

Ion Ratio Lower Upper

91 100

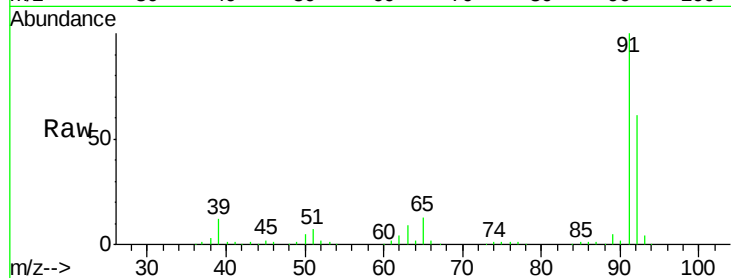
92 60.8 48.6 73.0

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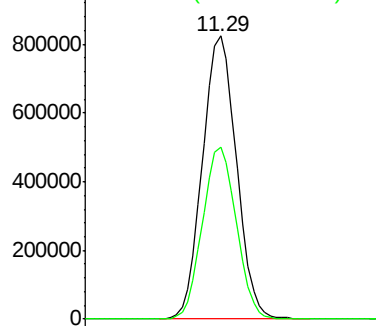
Mmdadoda

10/30/2015 12:06:30 PM

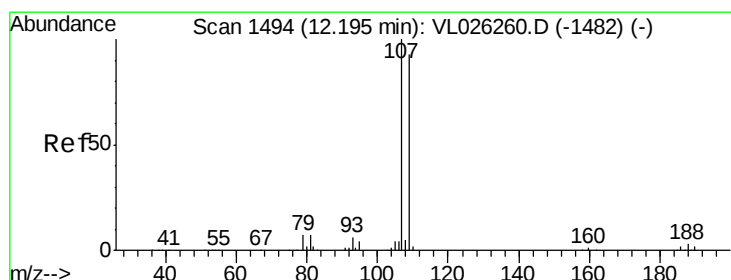
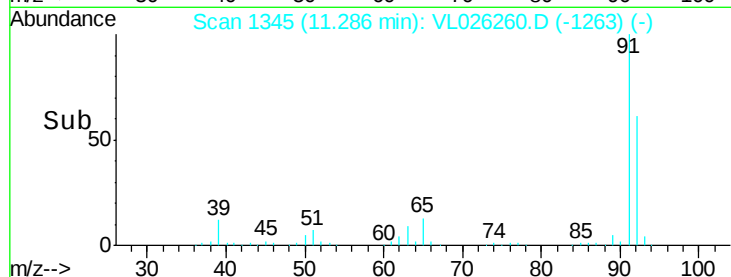


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



Time-->



#54

1,2-Dibromoethane

Concen: 9.42 ppbv

RT: 12.19 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VL026260.D

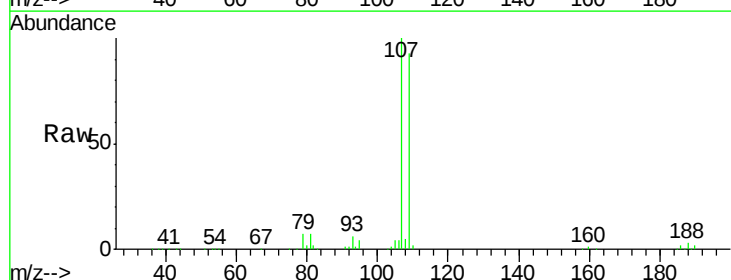
Acq: 29 Oct 2015 9:21

Tgt Ion:107 Resp: 1092677

Ion Ratio Lower Upper

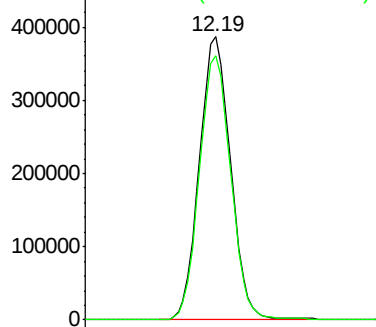
107 100

109 93.3 74.6 112.0

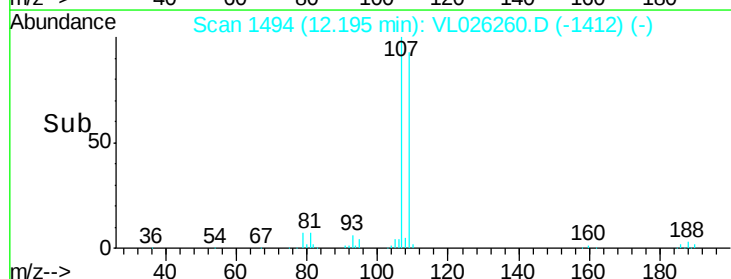


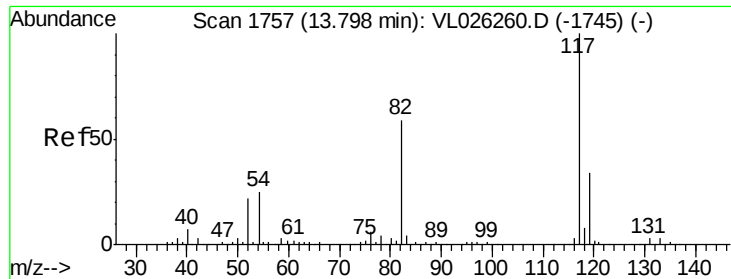
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->





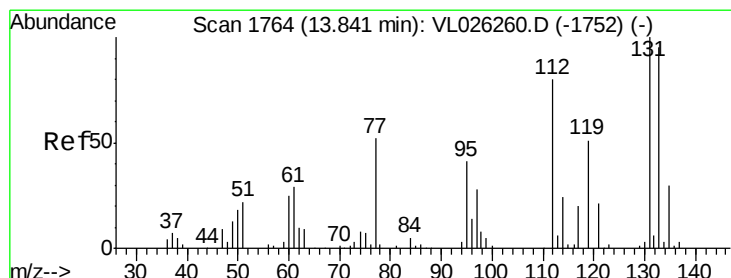
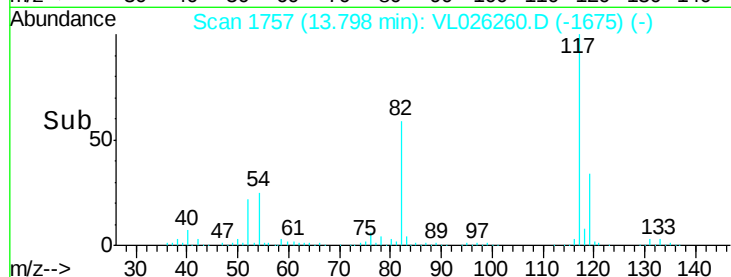
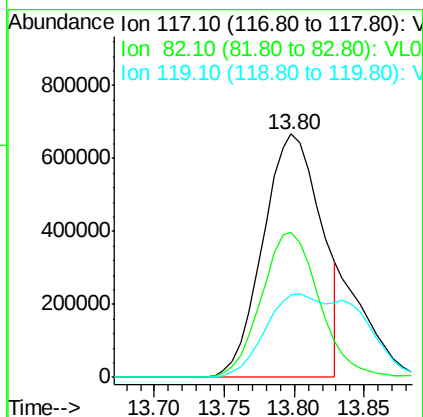
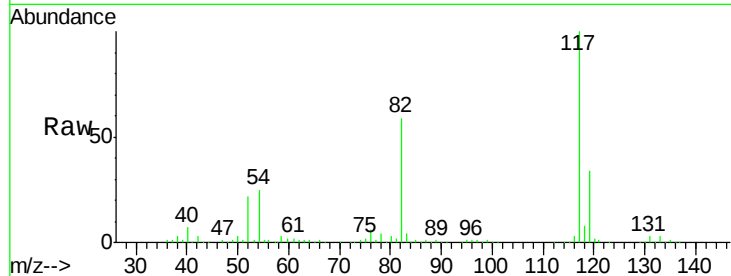
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.80 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 1937452
Ion Ratio Lower Upper
117 100
82 60.3 39.3 58.9#
119 57.7 37.7 56.5#

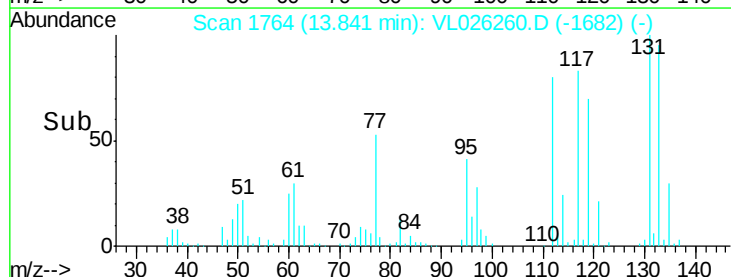
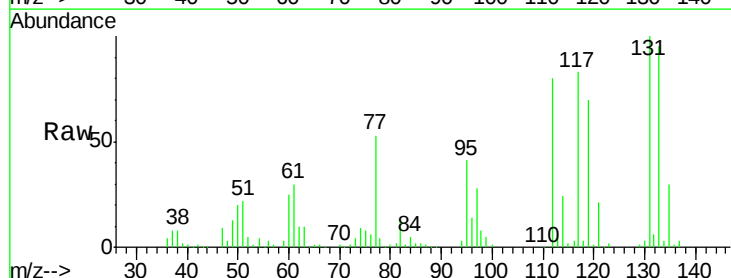
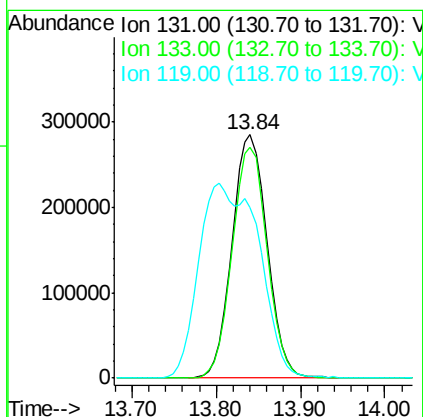
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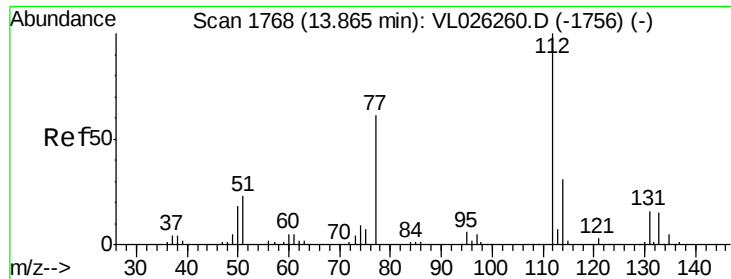
Mmdadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.65 ppbv
RT: 13.84 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Tgt Ion:131 Resp: 804132
Ion Ratio Lower Upper
131 100
133 95.1 76.1 114.1
119 139.1 111.3 166.9





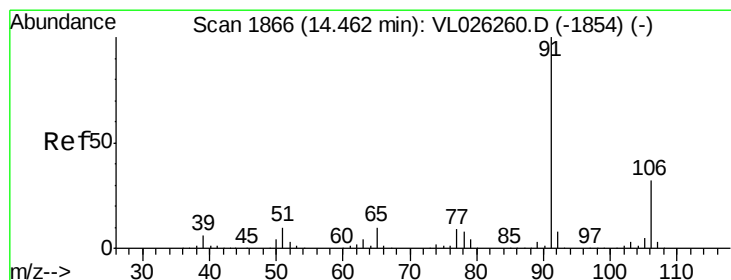
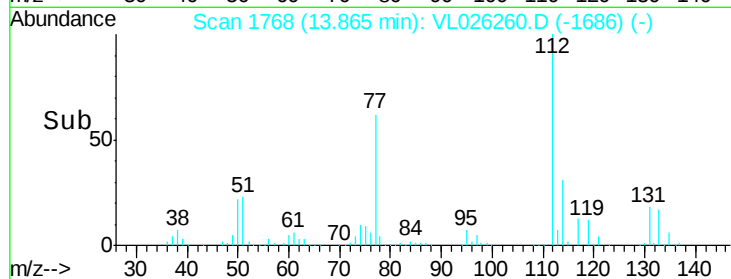
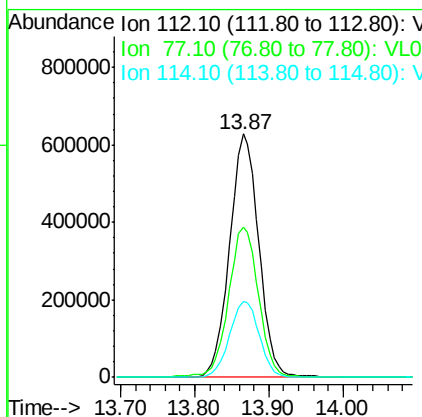
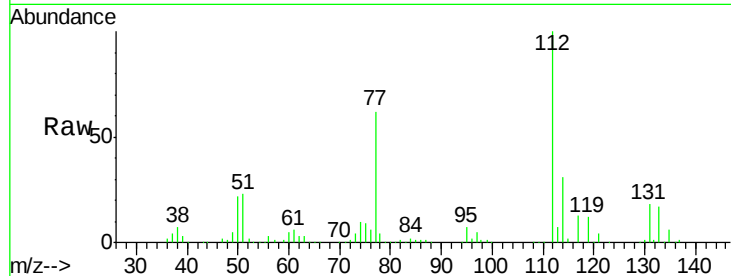
#57
Chlorobenzene
Concen: 9.32 ppbv
RT: 13.87 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	61.7	49.4	74.0
114	30.9	27.8	34.0

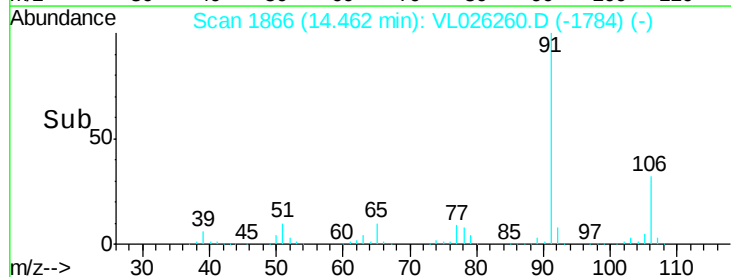
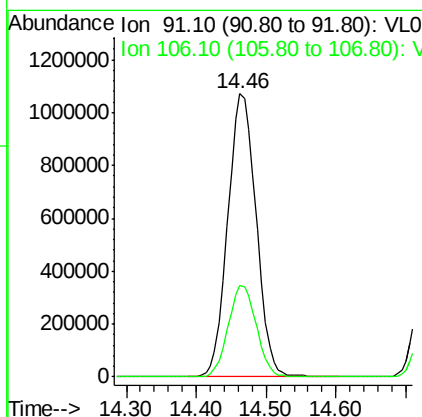
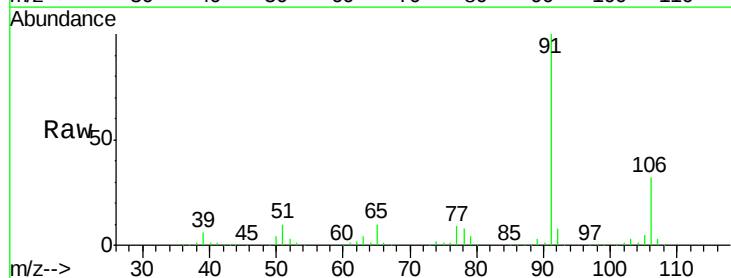
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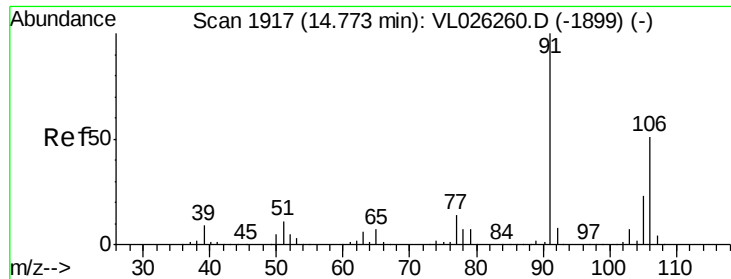
Mmdadoda
10/30/2015 12:06:30 PM



#58
Ethyl Benzene
Concen: 9.63 ppbv
RT: 14.46 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.7	38.5





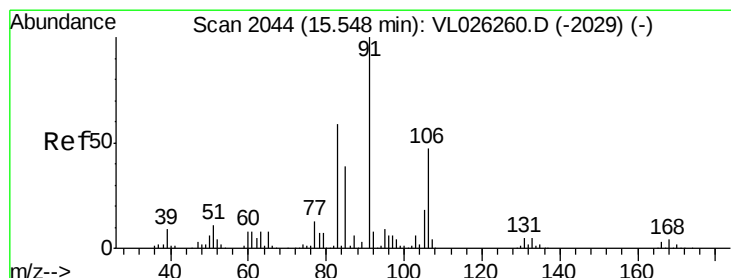
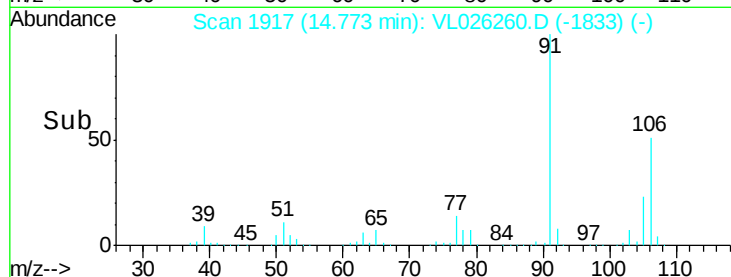
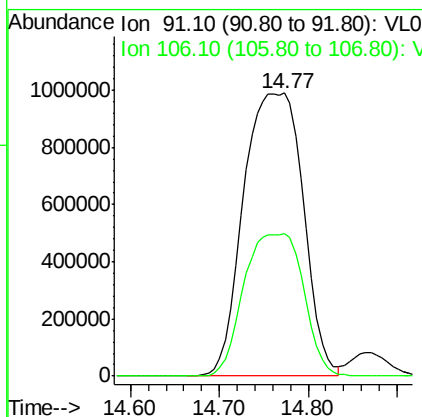
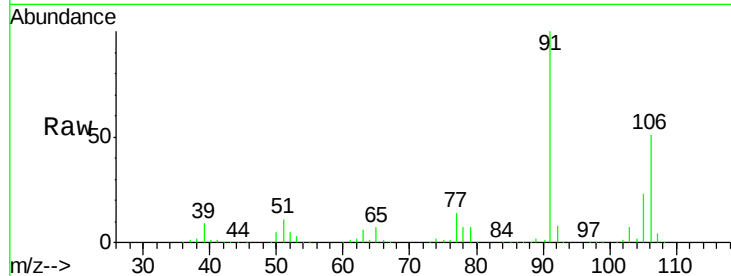
#59
m/p-Xylene
Concen: 18.73 ppbv m
RT: 14.77 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 4603043
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

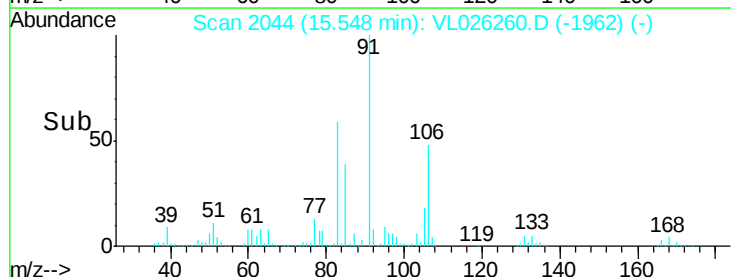
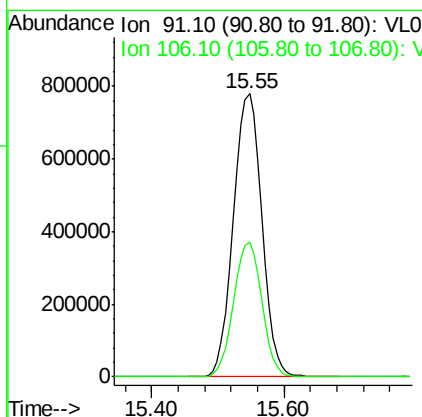
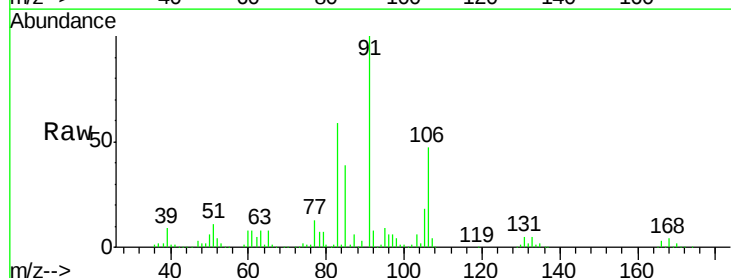
Manual Integrations
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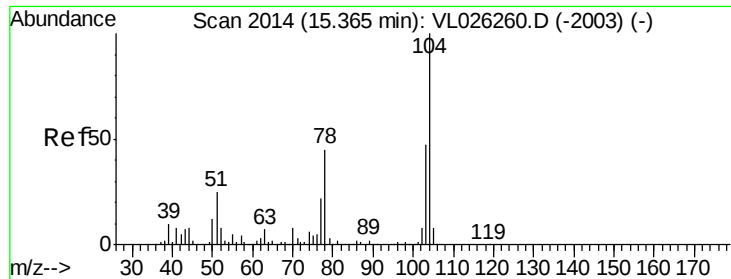
Mmdadoda
10/30/2015 12:06:30 PM



#60
o-Xylene
Concen: 9.13 ppbv
RT: 15.55 min Scan# 2044
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Tgt Ion: 91 Resp: 2346767
Ion Ratio Lower Upper
91 100
106 47.2 23.6 70.8





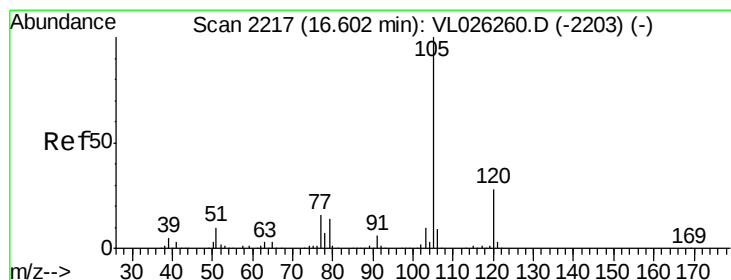
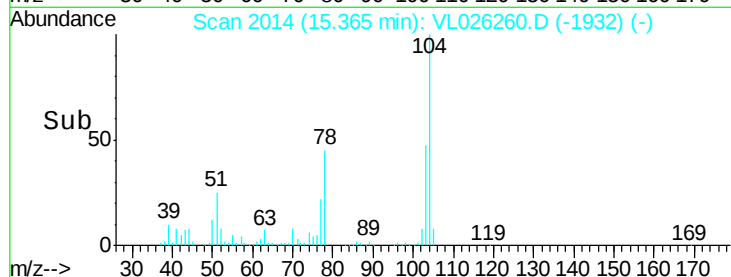
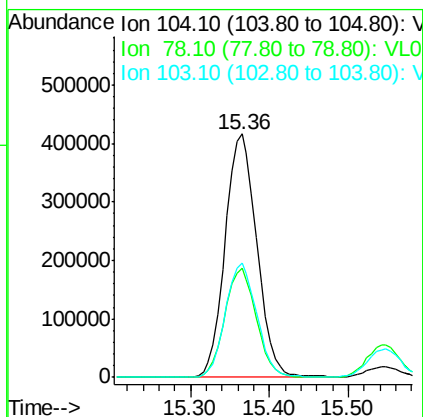
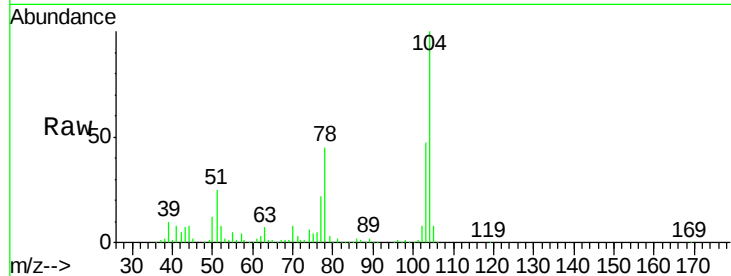
#61
Stvrene
Concen: 10.03 ppbv
RT: 15.36 min Scan# 2014
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:104 Resp: 1166848
Ion Ratio Lower Upper
104 100
78 44.4 35.5 53.3
103 46.3 37.0 55.6

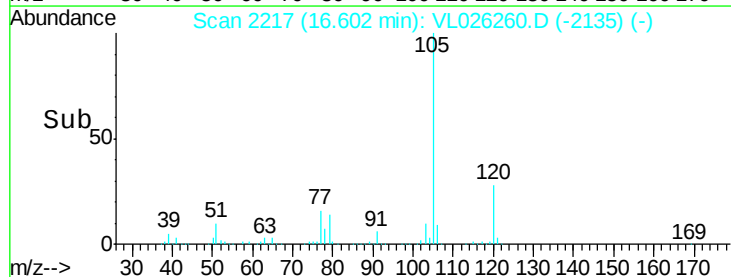
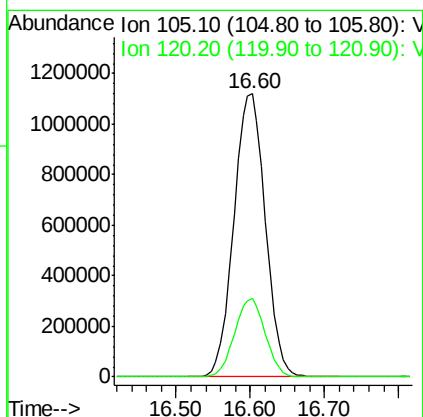
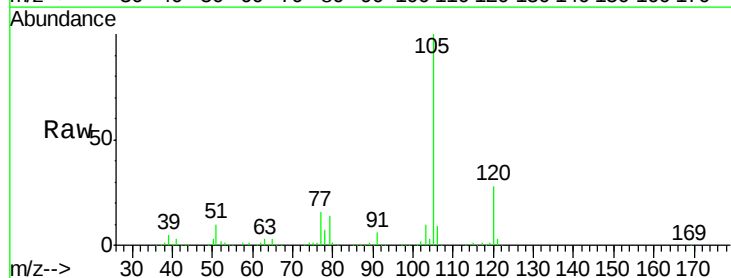
Manual Integrations
APPROVED

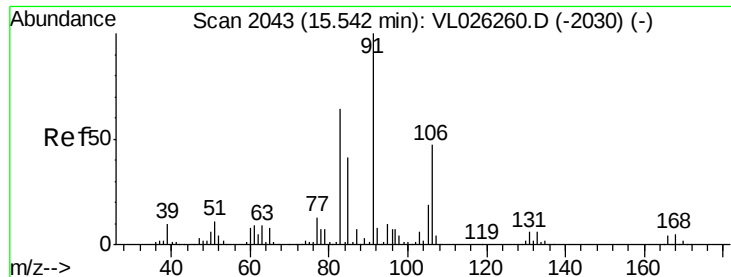
Mmdadoda
10/30/2015 12:06:30 PM



#62
Isopropylbenzene
Concen: 9.27 ppbv
RT: 16.60 min Scan# 2217
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Tgt Ion:105 Resp: 3313538
Ion Ratio Lower Upper
105 100
120 27.1 21.7 32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 9.24 ppbv

RT: 15.54 min Scan# 2043

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 1570280

Ion Ratio Lower Upper

83 100

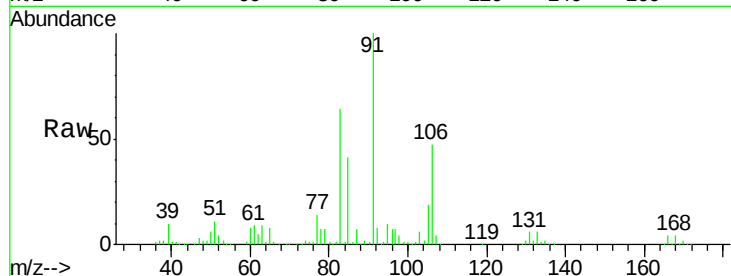
131 9.2 4.6 13.8

85 64.8 32.4 97.2

Manual Integrations
APPROVED

Mmdadoda

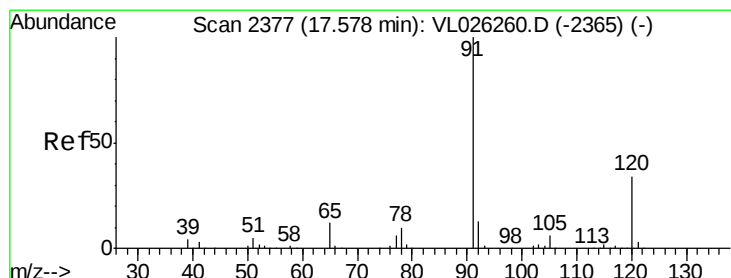
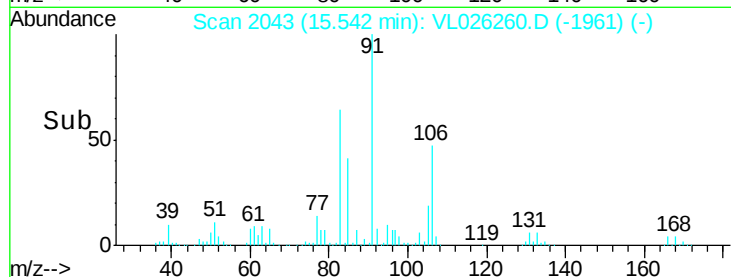
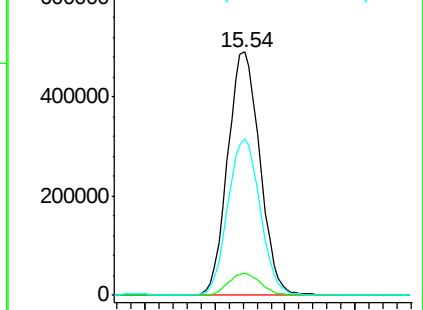
10/30/2015 12:06:30 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.33 ppbv

RT: 17.58 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VL026260.D

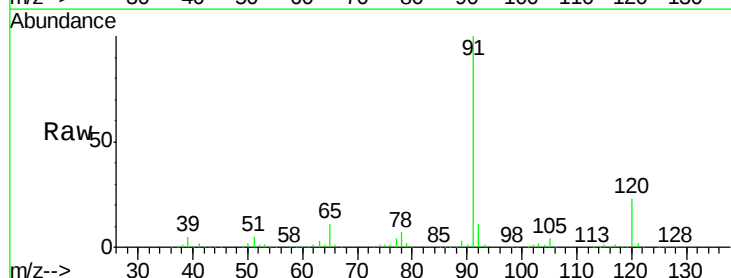
Acq: 29 Oct 2015 9:21

Tgt Ion:120 Resp: 917444

Ion Ratio Lower Upper

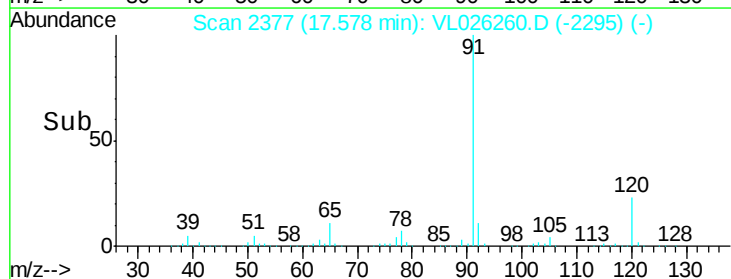
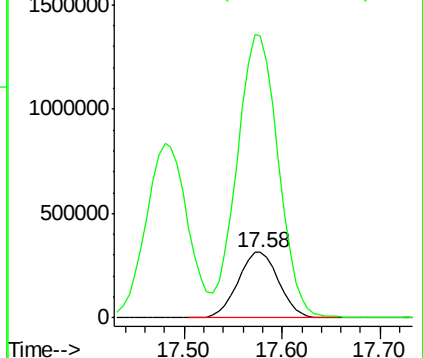
120 100

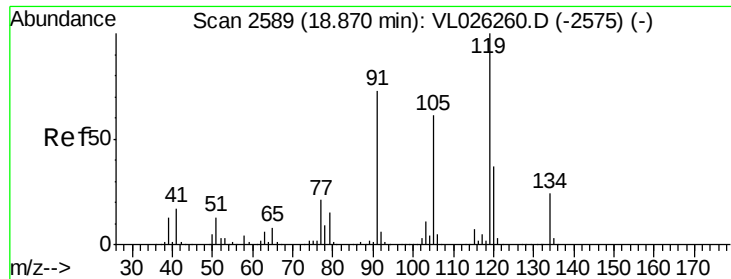
91 426.0 350.2 525.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





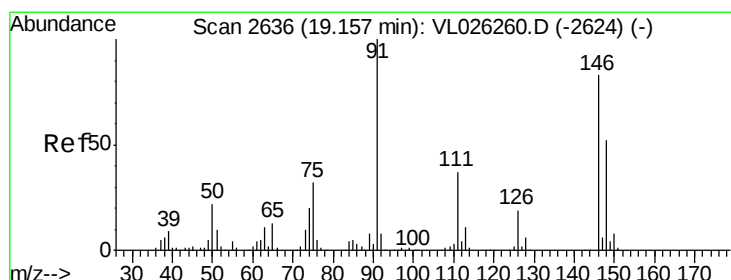
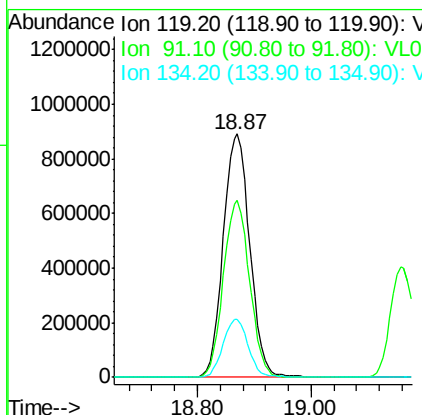
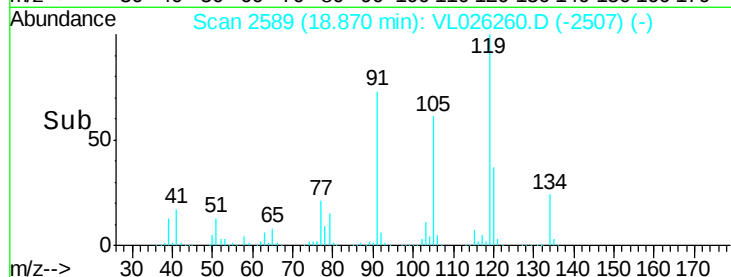
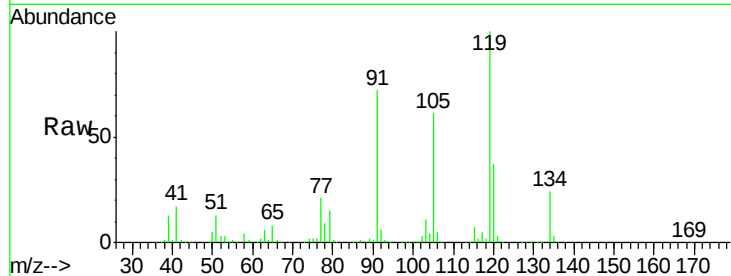
#65
tert-Butylbenzene
Concen: 8.84 ppbv
RT: 18.87 min Scan# 2589
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 119 Resp: 2884033
Ion Ratio Lower Upper
119 100
91 72.1 57.7 86.5
134 22.5 18.0 27.0

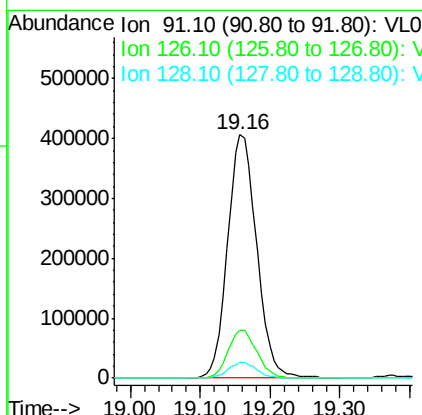
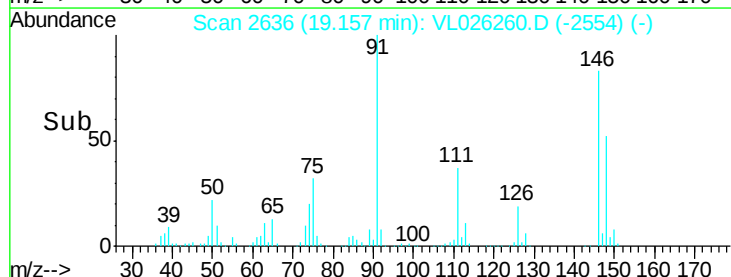
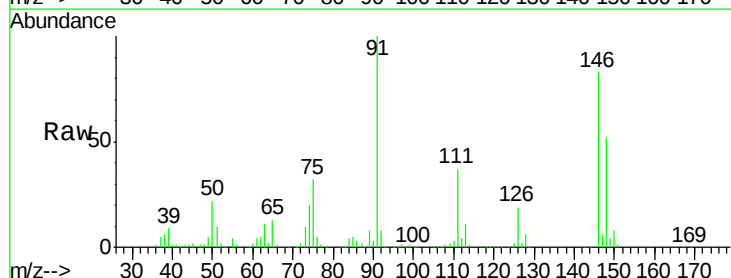
Manual Integrations
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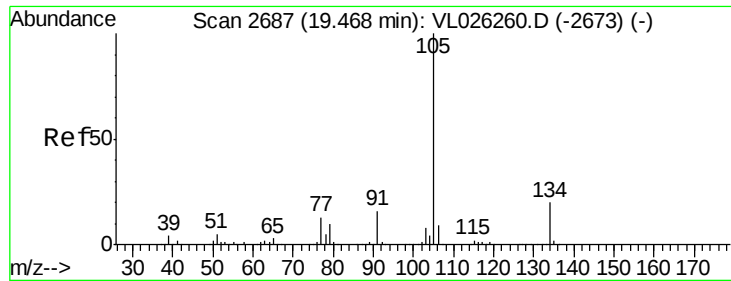
Mmdadoda
10/30/2015 12:06:30 PM



#66
Benzyl Chloride
Concen: 8.65 ppbv
RT: 19.16 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VL026260.D
Acq: 29 Oct 2015 9:21

Tgt Ion: 91 Resp: 1165472
Ion Ratio Lower Upper
91 100
126 19.8 15.8 23.8
128 6.3 5.0 7.6





#67

sec-Butylbenzene

Concen: 9.19 ppbv

RT: 19.47 min Scan# 2687

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 4181023

Ion Ratio Lower Upper

105 100

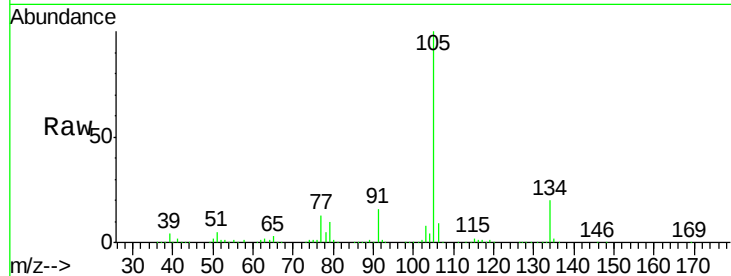
134 20.0 16.0 24.0

Manual Integrations

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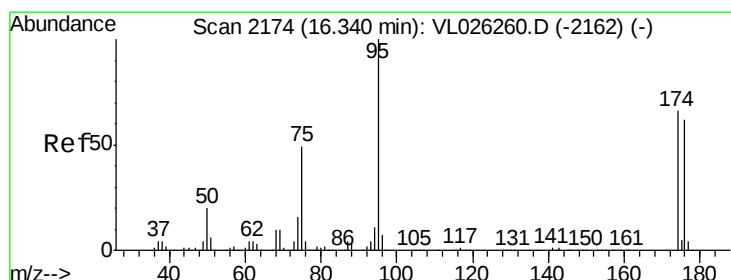
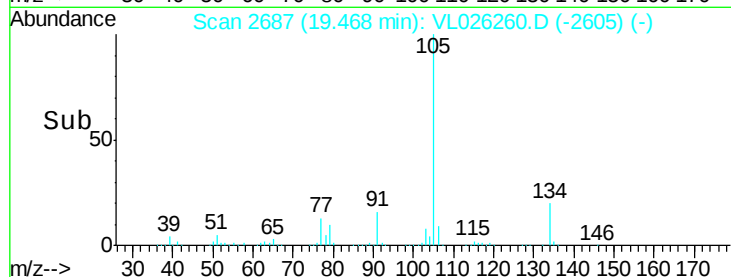
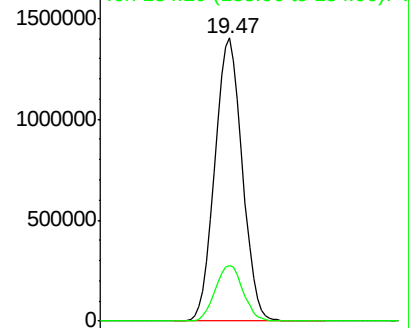
Mmdadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.01 ppbv

RT: 16.34 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

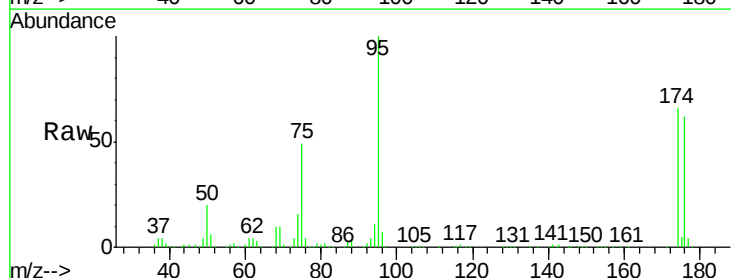
Tgt Ion: 95 Resp: 1495462

Ion Ratio Lower Upper

95 100

174 66.1 52.9 79.3

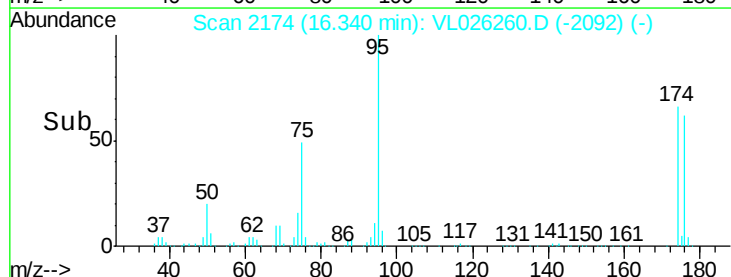
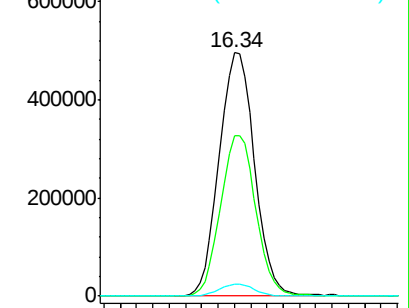
175 4.8 3.8 5.8

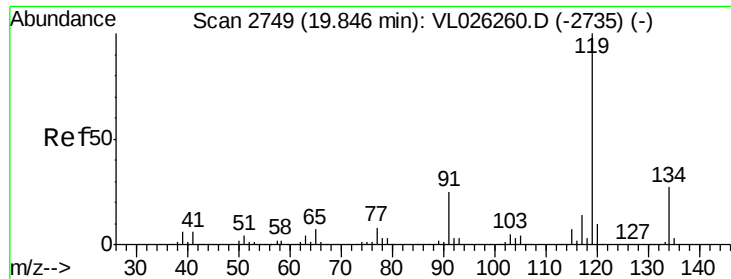


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





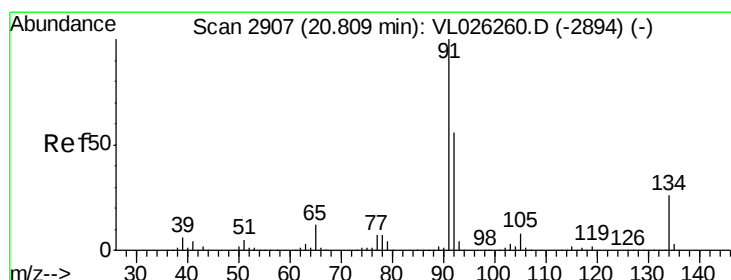
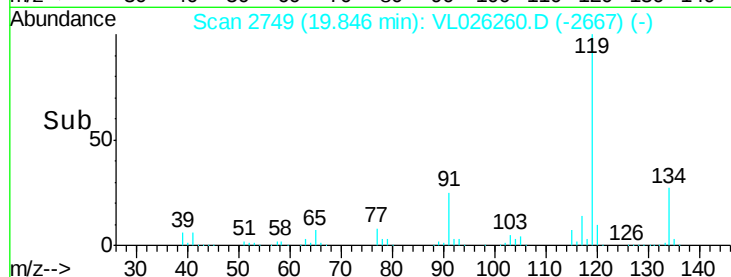
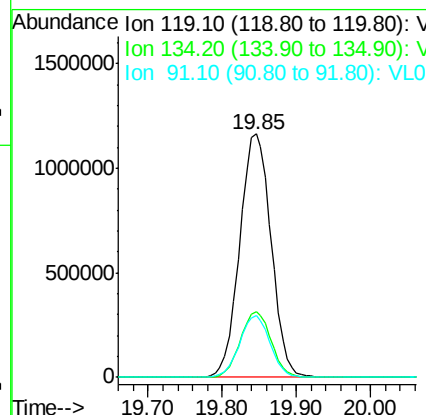
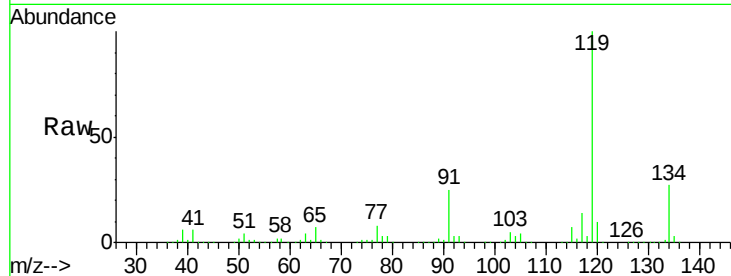
#69
 p-Isopropyltoluene
 Concen: 9.04 ppbv
 RT: 19.85 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.3	31.9
91	24.5	19.6	29.4

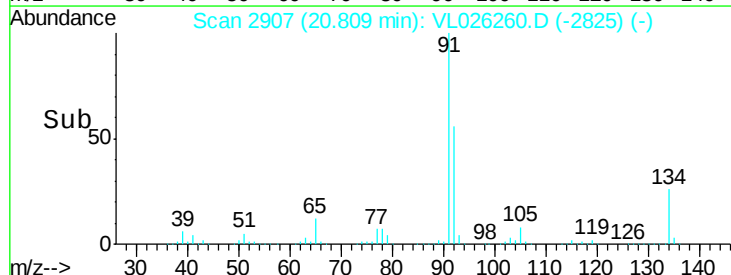
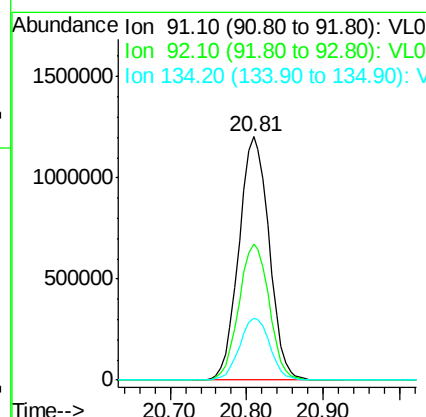
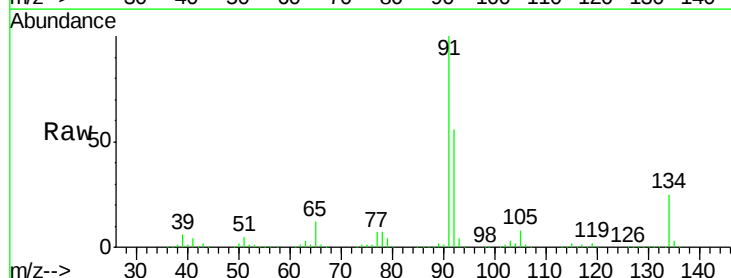
Manual Integrations
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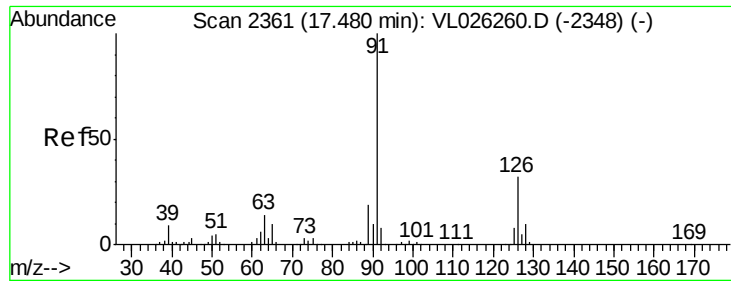
Mmdadoda
 10/30/2015 12:06:30 PM



#70
 n-Butylbenzene
 Concen: 9.47 ppbv
 RT: 20.81 min Scan# 2907
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.1	44.9	67.3
134	25.6	20.5	30.7





#71

2-Chlorotoluene

Concen: 9.49 ppbv

RT: 17.48 min Scan# 2361

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2497097

Ion Ratio Lower Upper

91 100

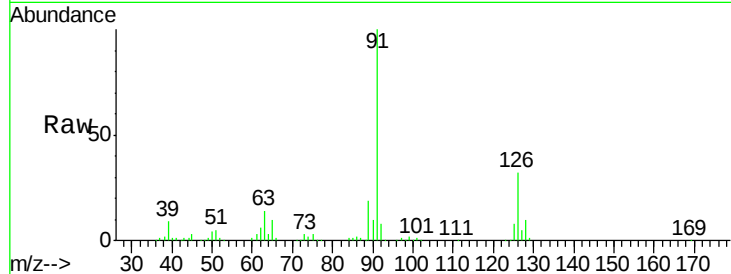
126 31.9 12.8 51.0

Manual Integrations

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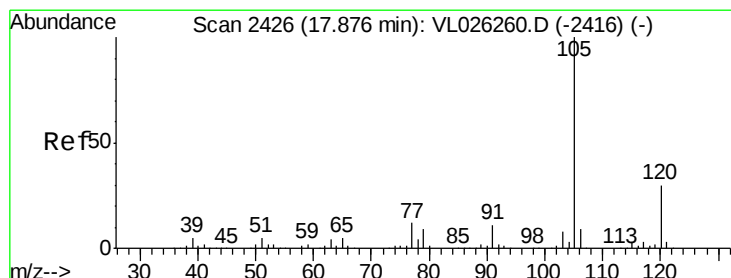
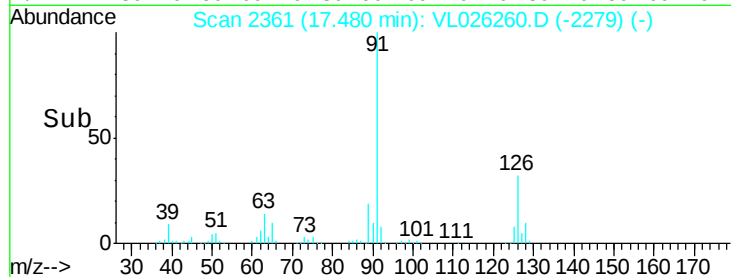
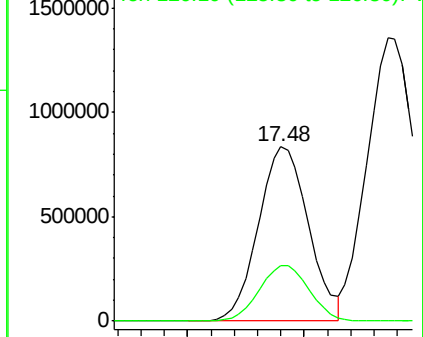
Mmdadoda

10/30/2015 12:06:30 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.49 ppbv

RT: 17.88 min Scan# 2426

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Tgt Ion: 105 Resp: 2836280

Ion Ratio Lower Upper

105 100

120 31.4 25.2 37.8

91 11.4 9.1 13.7

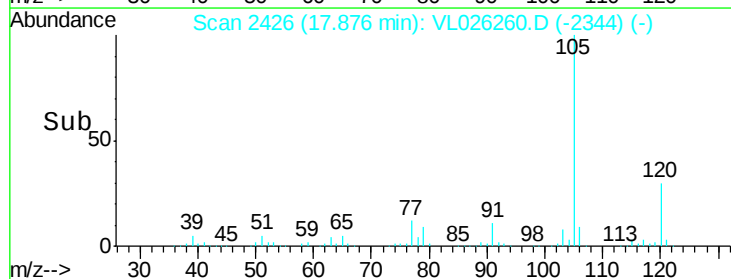
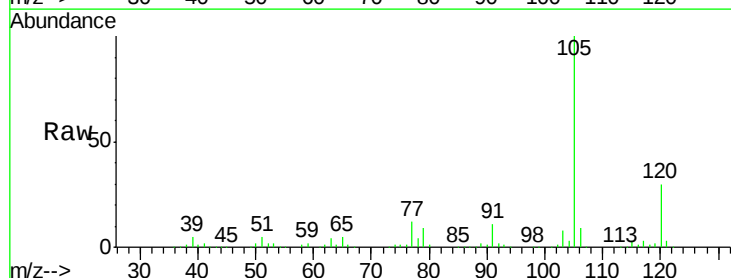
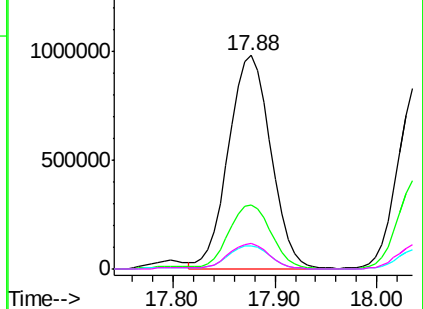
77 12.1 9.7 14.5

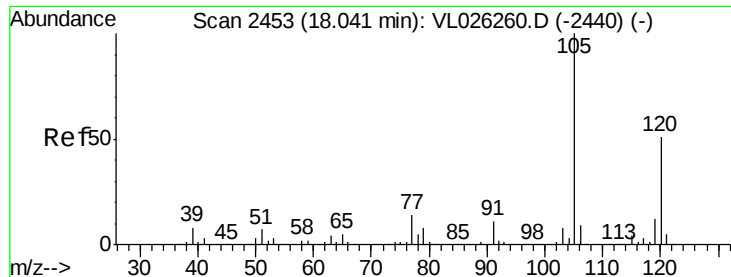
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





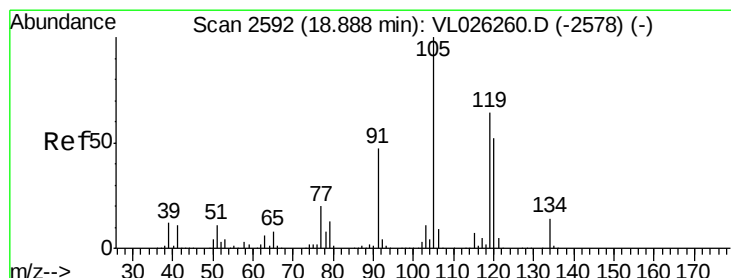
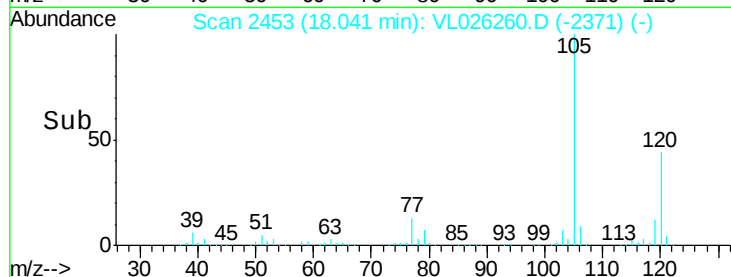
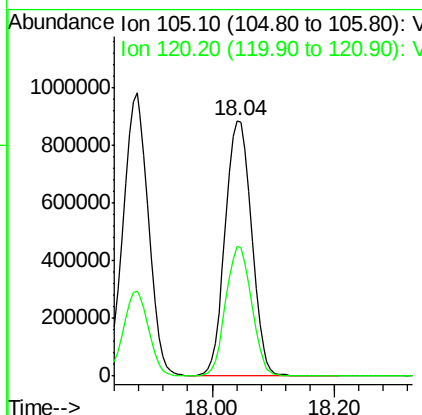
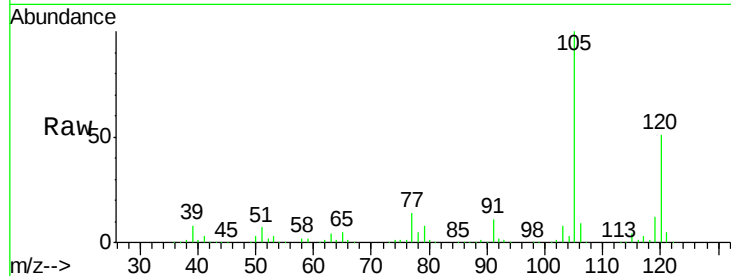
#73
 1,3,5-Trimethylbenzene
 Concen: 9.48 ppbv
 RT: 18.04 min Scan# 2453
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:105 Resp: 2642526
 Ion Ratio Lower Upper
 105 100
 120 50.8 40.6 61.0

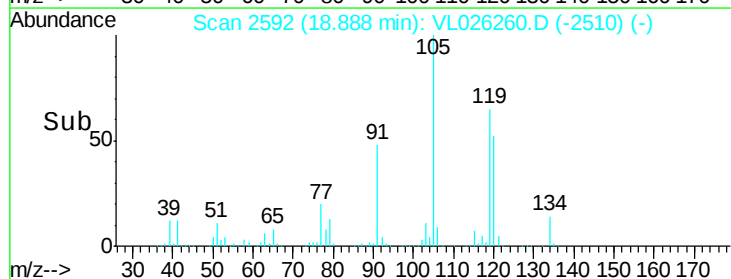
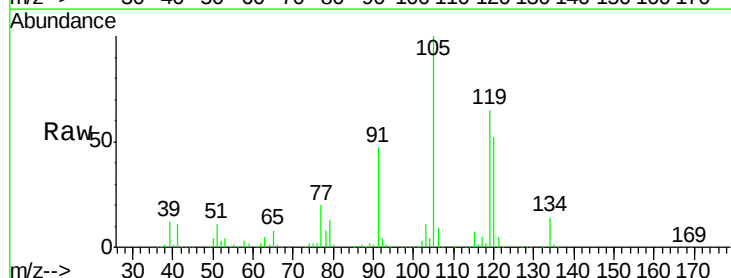
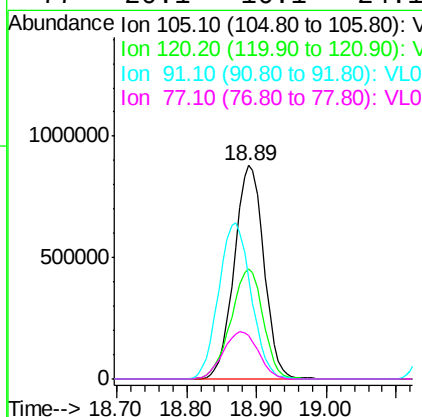
Manual Integrations
 APPROVED

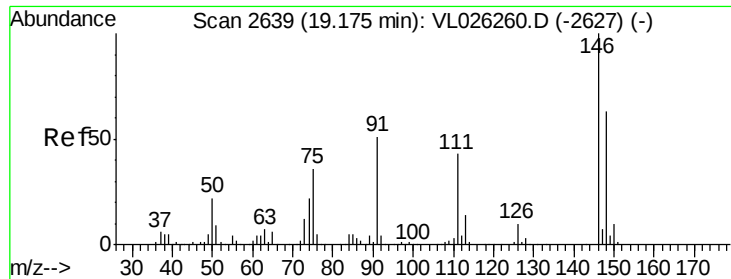
Mmdadoda
 10/30/2015 12:06:30 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.98 ppbv
 RT: 18.89 min Scan# 2592
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Tgt Ion:105 Resp: 2595656
 Ion Ratio Lower Upper
 105 100
 120 51.5 41.2 61.8
 91 47.3 37.8 56.8
 77 20.1 16.1 24.1





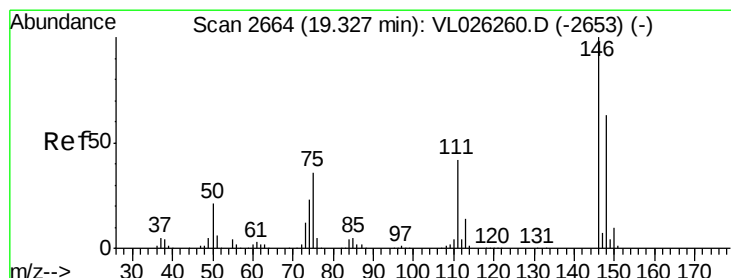
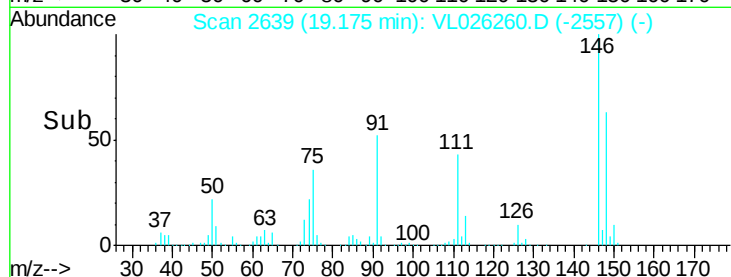
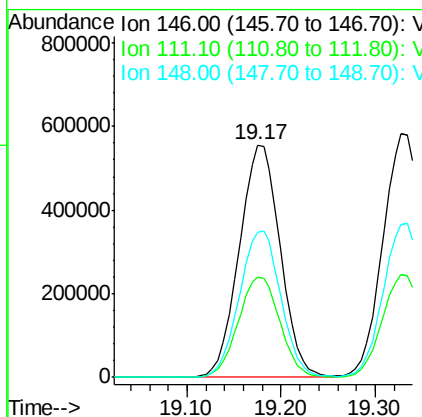
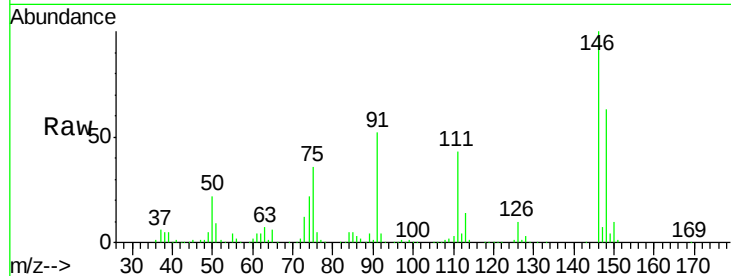
#75
 1,3-Dichlorobenzene
 Concen: 8.98 ppbv
 RT: 19.17 min Scan# 2639
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.5
148	63.5	31.8	95.3

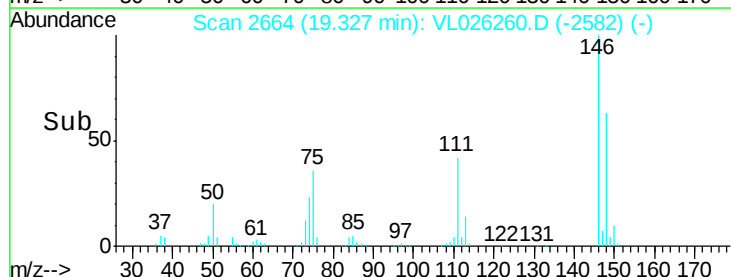
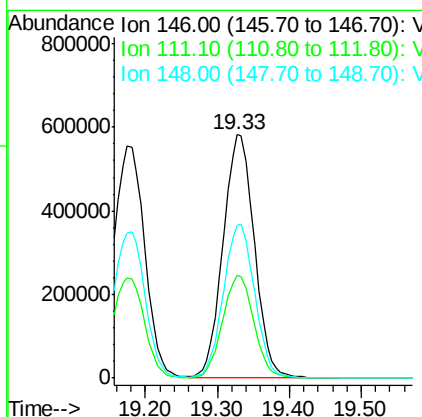
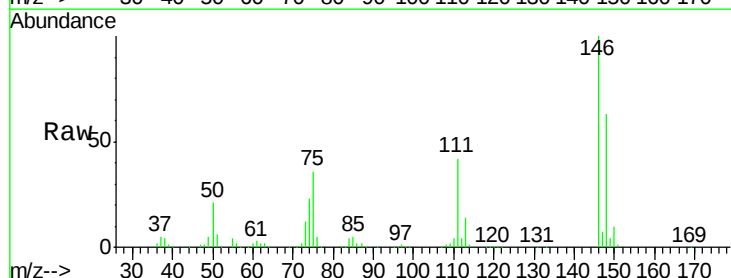
Manual Integrations
 APPROVED

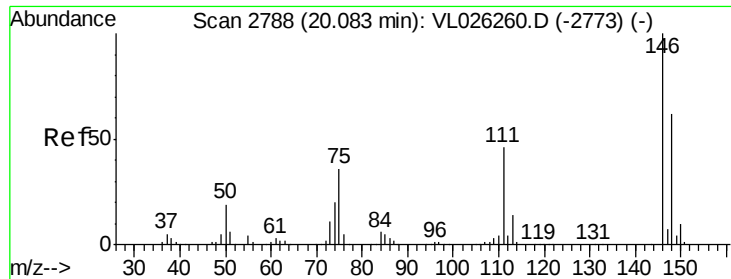
Mmdadoda
 10/30/2015 12:06:30 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.93 ppbv
 RT: 19.33 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.5	31.8	95.3





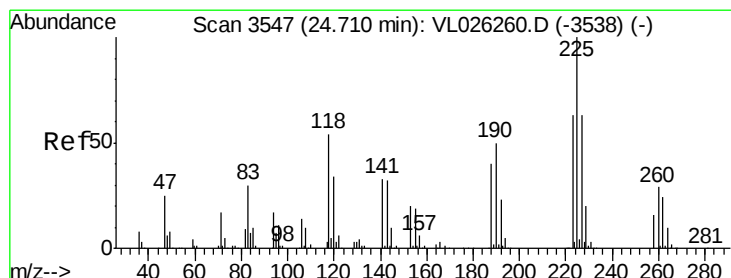
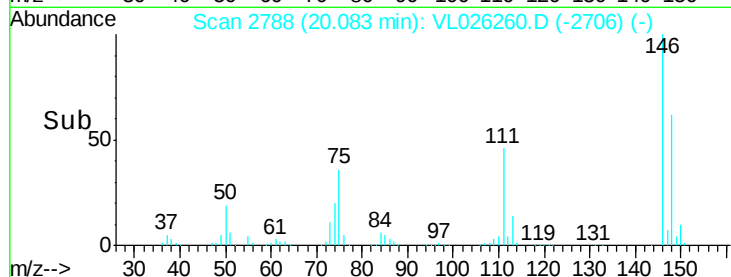
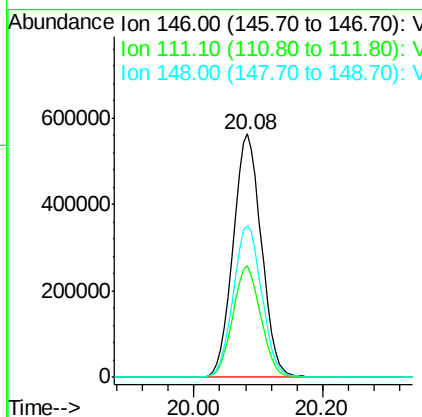
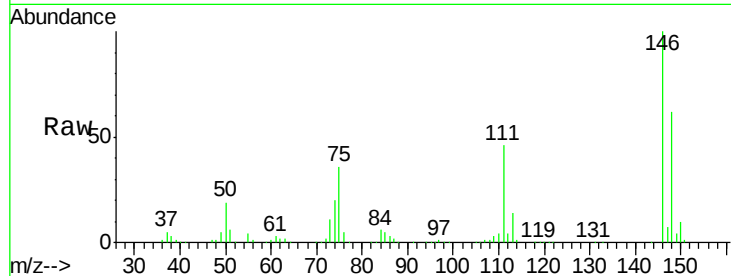
#77
 1,2-Dichlorobenzene
 Concen: 9.00 ppbv
 RT: 20.08 min Scan# 2788
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.7	68.1
148	63.2	31.6	94.8

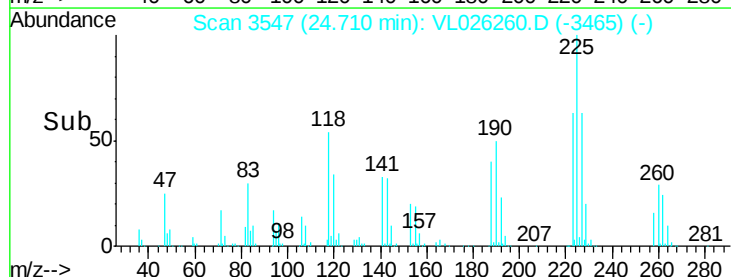
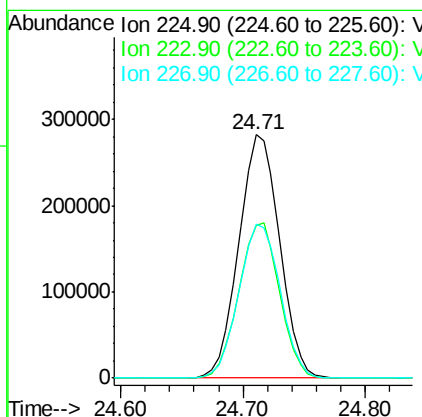
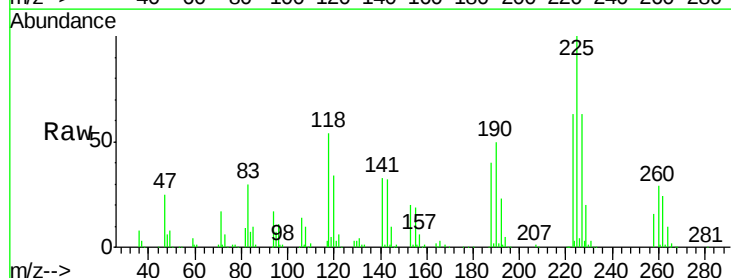
Manual Integrations
 APPROVED

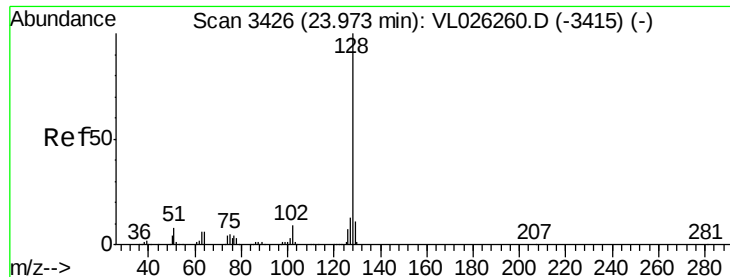
Mmdadoda
 10/30/2015 12:06:30 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.69 ppbv
 RT: 24.71 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.0	76.6
227	64.1	51.3	76.9





#79

Naphthalene

Concen: 8.12 ppbv

RT: 23.97 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 2067319

Ion Ratio Lower Upper

128 100

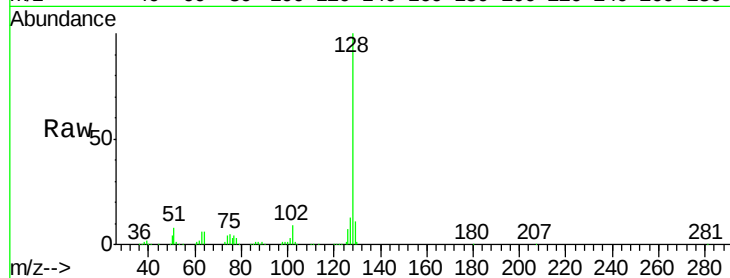
127 12.6 10.1 15.1

129 11.0 8.8 13.2

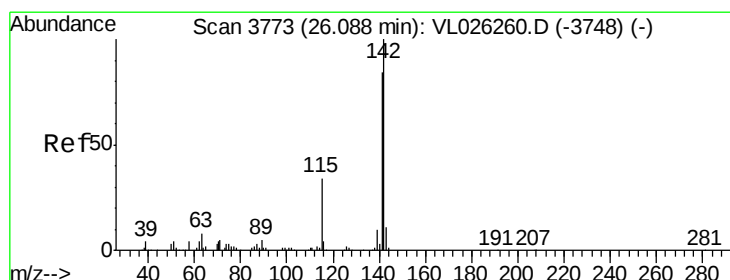
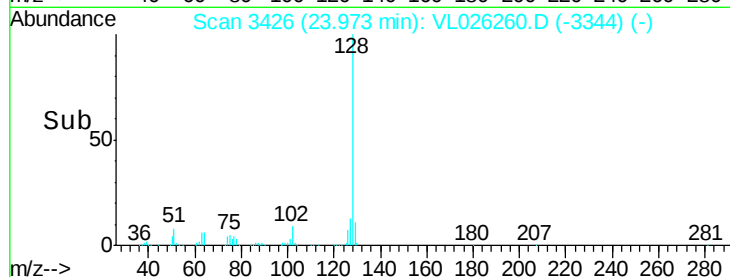
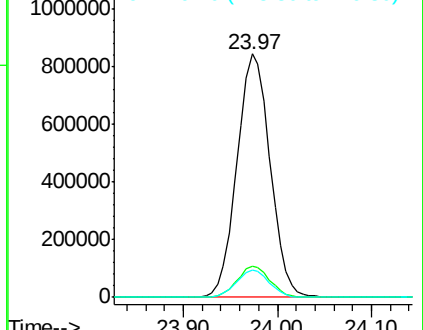
Manual Integrations
APPROVED

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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 7.74 ppbv

RT: 26.09 min Scan# 3773

Delta R.T. 0.00 min

Lab File: VL026260.D

Acq: 29 Oct 2015 9:21

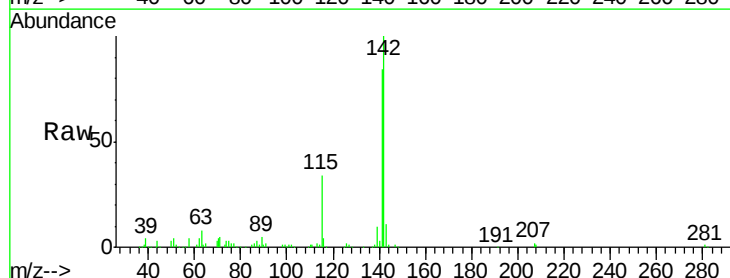
Tgt Ion:142 Resp: 353768

Ion Ratio Lower Upper

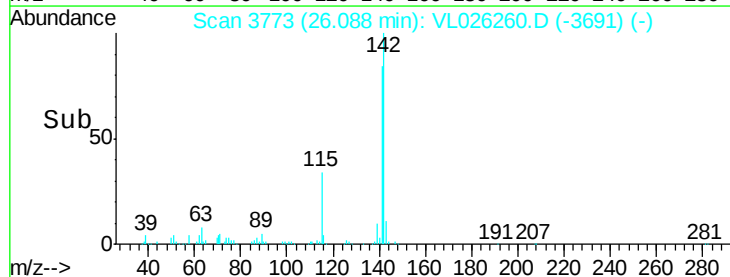
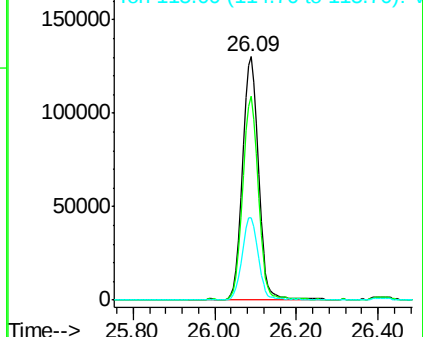
142 100

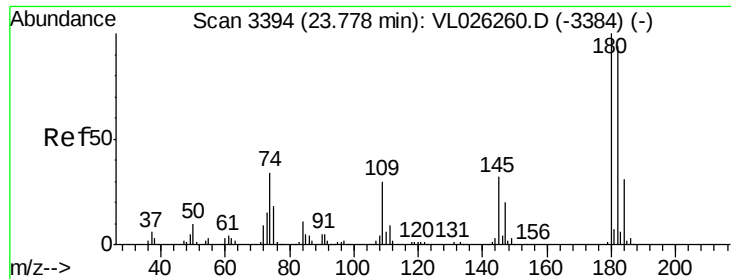
141 82.6 66.0 99.0

115 35.1 27.4 41.2



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.03 ppbv
 RT: 23.78 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VL026260.D
 Acq: 29 Oct 2015 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.0	76.0	114.0
184	30.3	24.2	36.4

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:30 PM

