

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026172.D
 Acq On : 9 Oct 2015 10:59
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
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 10/12/2015 1:25:30 PM

Quant Time: Oct 09 14:19:56 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Sep 0
 QLast Update : Fri Sep 04 15:41:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.66	49	874321	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.34	114	2513217	10.00	ppbv	0.01
55) Chlorobenzene-d5	13.76	117	3033038m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.30	95	2313097	10.33	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.64	85	1254704	10.00	ppbv	99
3) Chlorodifluoromethane	3.57	51	916480	9.14	ppbv	96
4) Chloromethane	3.75	50	541319	9.12	ppbv	98
5) Vinyl Chloride	3.89	62	556851	8.78	ppbv	99
6) Bromomethane	4.14	94	395631	9.92	ppbv	100
7) Chloroethane	4.24	64	238809	9.68	ppbv	98
8) Dichlorotetrafluoroethane	3.81	85	1316278	9.67	ppbv	99
9) Propene	3.59	41	454789	8.92	ppbv	99
10) Heptane	9.37	43	1587669	8.98	ppbv	98
11) Trichlorofluoromethane	4.70	101	1505970	10.46	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.31	101	1016278	10.23	ppbv	99
13) Ethanol	4.34	45	41191	6.67	ppbv	94
14) Bromoethene	4.45	108	428444	10.11	ppbv	99
15) Acetone	4.60	43	923735	8.51	ppbv	100
16) 1,3-Butadiene	3.97	39	495704	9.20	ppbv	99
17) tert-Butyl alcohol	5.12	59	799172	11.33	ppbv	99
18) 1,1-Dichloroethene	5.09	96	468436	10.09	ppbv	99
19) Isopropyl Alcohol	4.75	45	404454	8.90	ppbv #	99
20) Methylene Chloride	5.15	84	438775	9.50	ppbv	98
21) Allyl Chloride	5.23	41	728790	9.72	ppbv	97
22) trans-1,2-Dichloroethene	5.77	96	606322	9.72	ppbv	99
23) Vinyl Acetate	5.99	43	1996189	9.70	ppbv	99
24) 1,1-Dichloroethane	5.92	63	1302035	9.38	ppbv	99
25) Ethyl Acetate	6.67	43	2100870	9.11	ppbv	100
26) Hexane	6.67	57	1027953	9.30	ppbv	98
27) Carbon Disulfide	5.39	76	1295757	10.95	ppbv	99
28) Methyl tert-Butyl Ether	5.96	73	1724124	10.25	ppbv	97
29) Chloroform	6.76	83	1525342	9.94	ppbv	99
30) Cyclohexane	8.29	84	1022495	9.68	ppbv	95
31) cis-1,2-Dichloroethene	6.53	61	985950	9.75	ppbv	98
32) 1,1,1-Trichloroethane	7.60	97	1532201	9.98	ppbv	99
34) 2-Butanone	6.20	43	1346669	8.35	ppbv	98
35) Carbon Tetrachloride	8.17	117	1593170	9.45	ppbv	99
36) Benzene	8.03	78	2306398	8.68	ppbv	99
37) 1,2-Dichloroethane	7.38	62	1239833	9.34	ppbv	99
38) Trichloroethene	9.07	130	924816	7.96	ppbv	99
39) 1,2-Dichloropropane	8.84	63	851645	8.54	ppbv	98
40) 1,4-Dioxane	9.13	88	114607	7.85	ppbv	76
41) Tetrahydrofuran	7.12	42	814157	8.61	ppbv	96
42) Bromodichloromethane	9.04	83	1683937	9.63	ppbv	100
43) Methyl Methacrylate	9.27	69	881000	9.34	ppbv	96

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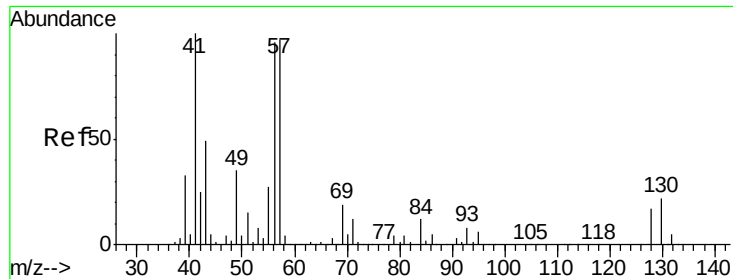
Manual Integrations
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 10/12/2015 1:25:30 PM

Quant Time: Oct 09 14:19:56 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Sep 0
 QLast Update : Fri Sep 04 15:41:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	3669230	8.15	ppbv	99
45) t-1,3-Dichloropropene	10.66	75	1325696	10.73	ppbv	99
46) cis-1,3-Dichloropropene	10.03	75	1545373	10.09	ppbv	98
47) 1,1,2-Trichloroethane	10.89	97	1023306	9.05	ppbv	99
48) Dibromochloromethane	11.81	129	1596902	10.42	ppbv	100
49) Bromoform	14.83	173	1269661	11.17	ppbv	100
50) 4-Methyl-2-Pentanone	10.10	43	1901105	8.80	ppbv	99
51) 2-Hexanone	11.62	43	1812448	9.16	ppbv #	99
52) Tetrachloroethene	12.80	164	988158	8.18	ppbv	99
53) Toluene	11.25	91	3048282	9.08	ppbv	100
54) 1,2-Dibromoethane	12.15	107	1564695	9.28	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.80	131	1141836	9.08	ppbv	99
57) Chlorobenzene	13.83	112	2475607	8.26	ppbv	100
58) Ethyl Benzene	14.43	91	4284157	8.51	ppbv	99
59) m/p-Xylene	14.73	91	6601395m	16.68	ppbv	
60) o-Xylene	15.51	91	3354349	8.16	ppbv	99
61) Styrene	15.32	104	1642434	9.31	ppbv	99
62) Isopropylbenzene	16.56	105	4643491	8.60	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.50	83	2219915	7.05	ppbv	100
64) n-propylbenzene	17.54	120	1282040	8.89	ppbv	100
65) tert-Butylbenzene	18.83	119	4021538	8.50	ppbv	100
66) Benzyl Chloride	19.11	91	1556345	12.09	ppbv	99
67) sec-Butylbenzene	19.43	105	5787887	8.66	ppbv	99
69) p-Isopropyltoluene	19.80	119	4762638	8.81	ppbv	99
70) n-Butylbenzene	20.77	91	4619050	8.55	ppbv	100
71) 2-Chlorotoluene	17.44	91	3510690	8.55	ppbv	98
72) 4-Ethyltoluene	17.83	105	3994940	8.90	ppbv	100
73) 1,3,5-Trimethylbenzene	18.00	105	3684944	8.84	ppbv	99
74) 1,2,4-Trimethylbenzene	18.85	105	3626328	8.30	ppbv	98
75) 1,3-Dichlorobenzene	19.14	146	2352396	8.67	ppbv	99
76) 1,4-Dichlorobenzene	19.28	146	2449606	8.77	ppbv	100
77) 1,2-Dichlorobenzene	20.04	146	2359721	8.71	ppbv	99
78) Hexachloro-1,3-Butadiene	24.68	225	918296	8.46	ppbv	99
79) Naphthalene	23.94	128	2686121	7.91	ppbv	99
80) Naphthalene, 2-methyl-	26.05	142	569316	7.15	ppbv	100
81) 1,2,4-Trichlorobenzene	23.74	180	1270339	7.78	ppbv	100

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



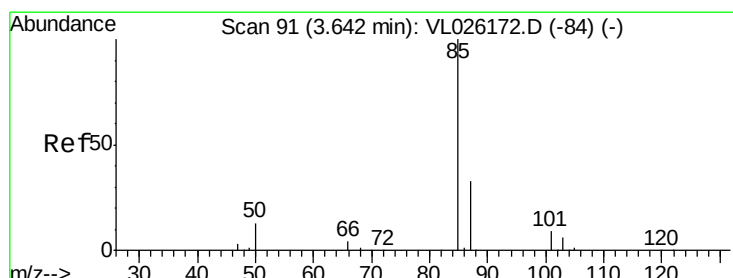
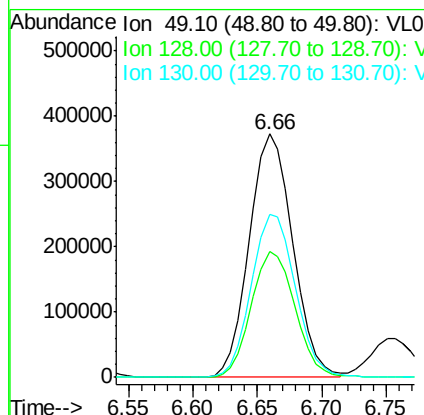
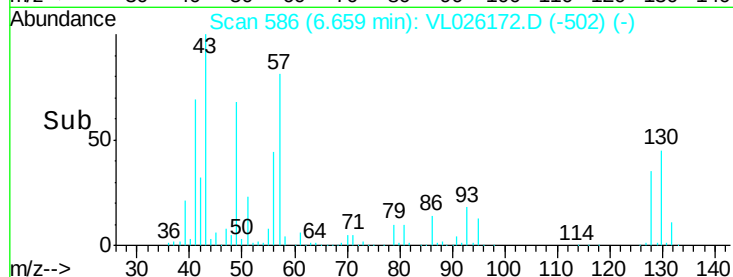
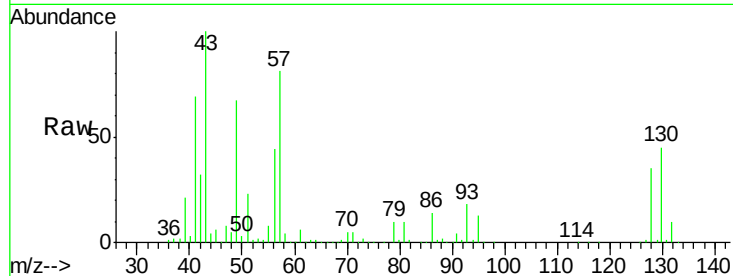
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.66 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Instrument :
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 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
49	100		
128	52.5	24.8	74.4
130	68.3	31.8	95.4

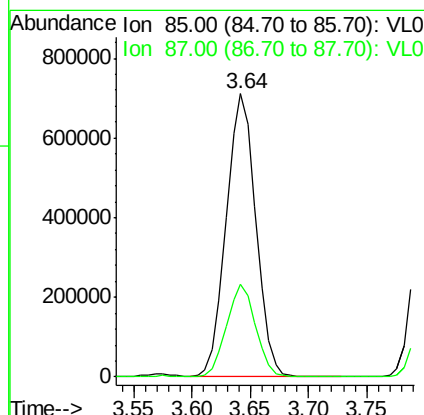
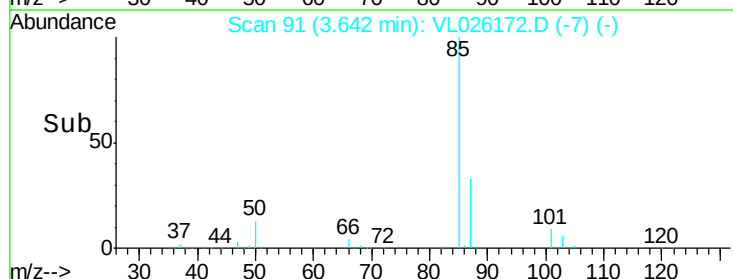
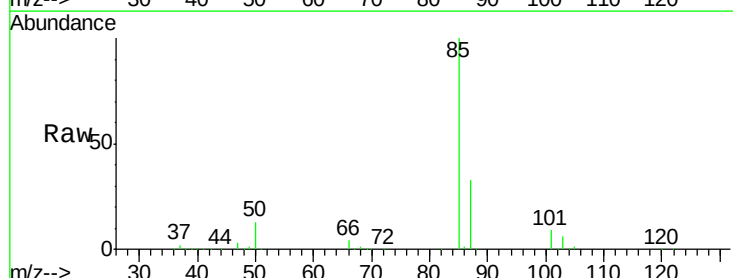
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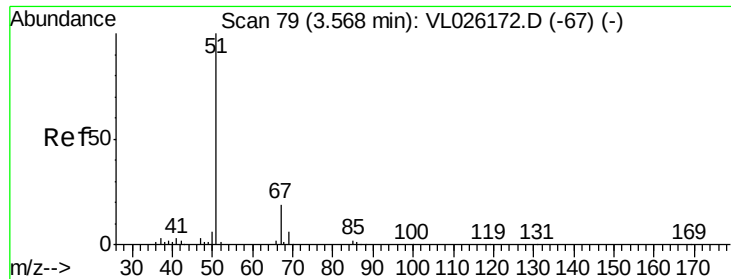
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#2
 Dichlorodifluoromethane
 Concen: 10.00 ppbv
 RT: 3.64 min Scan# 91
 Delta R.T. 0.01 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.6	39.8





#3

Chlorodifluoromethane

Concen: 9.14 ppbv

RT: 3.57 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Tot Ion: 51 Resp: 916480

Ion Ratio Lower Upper

51 100

67 18.6 13.5 20.3

Instrument :

MSVOA_L

ClientSampleId :

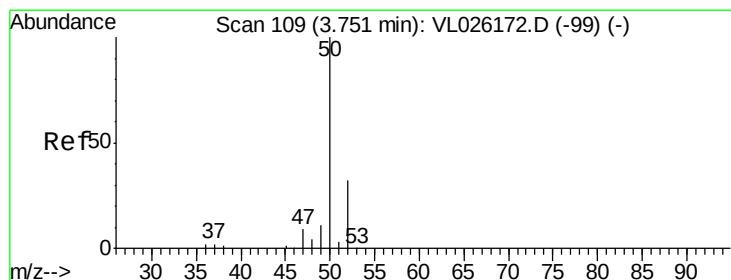
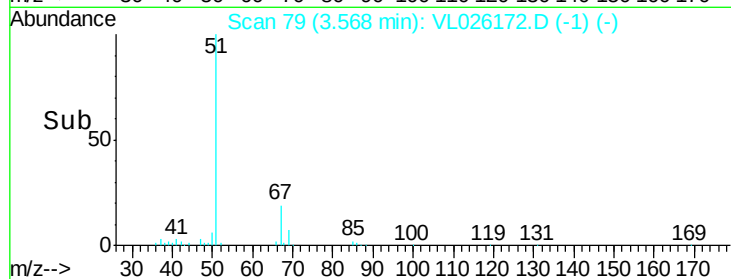
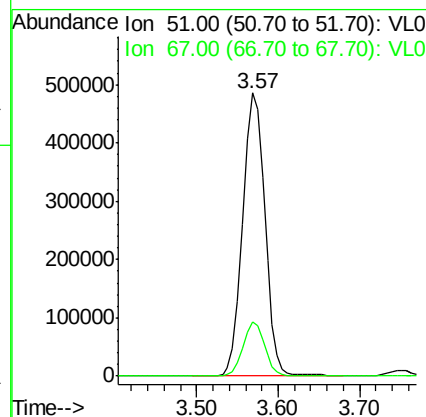
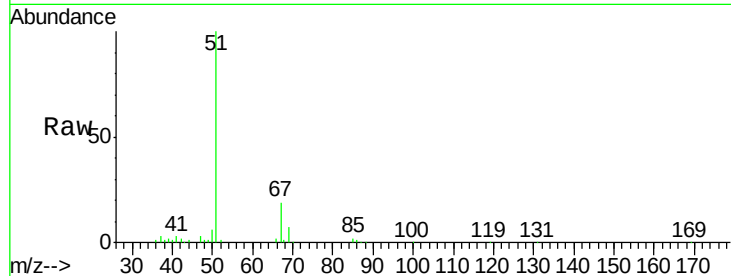
VSTDICCC010

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#4

Chloromethane

Concen: 9.12 ppbv

RT: 3.75 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL026172.D

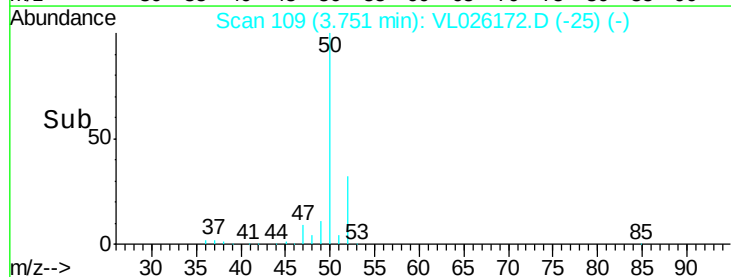
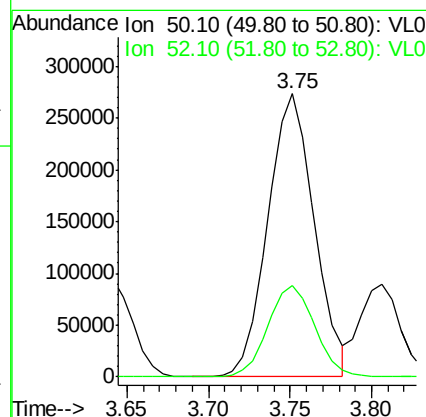
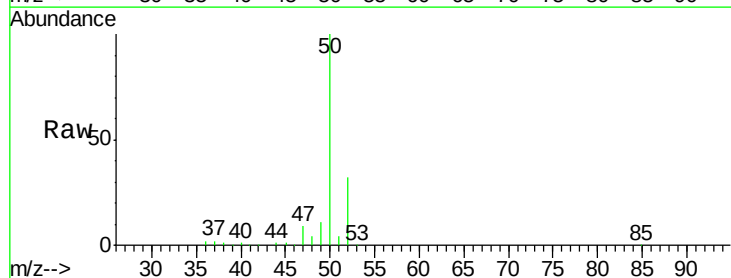
Acq: 9 Oct 2015 10:59

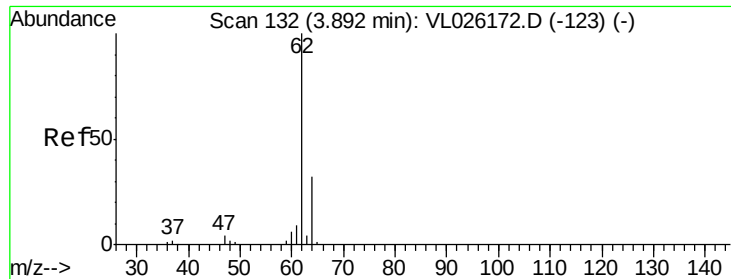
Tgt Ion: 50 Resp: 541319

Ion Ratio Lower Upper

50 100

52 32.4 26.7 40.1





#5

Vinyl Chloride

Concen: 8.78 ppbv

RT: 3.89 min Scan# 132

Delta R.T. 0.01 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 556851

Ion Ratio Lower Upper

62 100

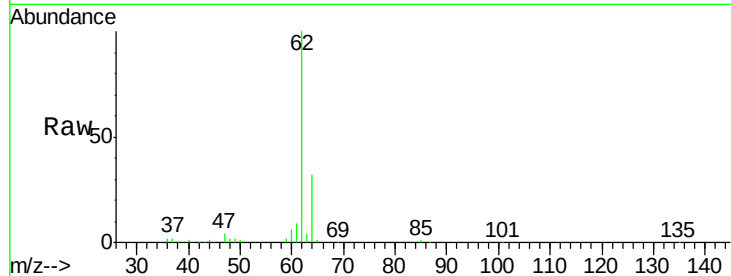
64 32.0 25.1 37.7

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.89

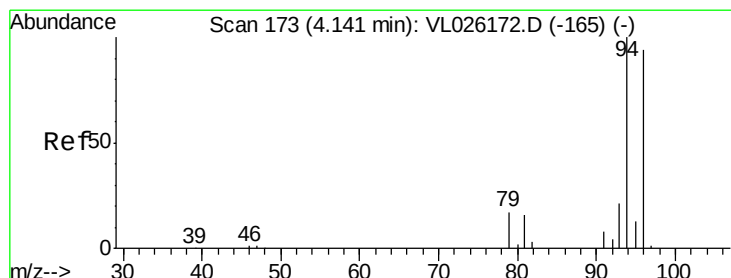
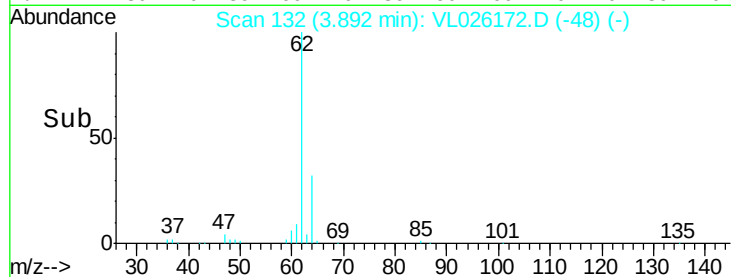
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.92 ppbv

RT: 4.14 min Scan# 173

Delta R.T. 0.01 min

Lab File: VL026172.D

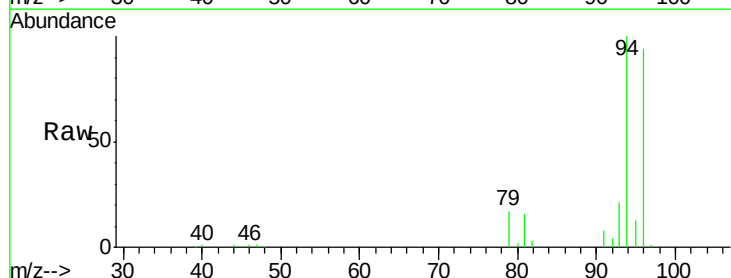
Acq: 9 Oct 2015 10:59

Tgt Ion: 94 Resp: 395631

Ion Ratio Lower Upper

94 100

96 94.3 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

4.14

200000

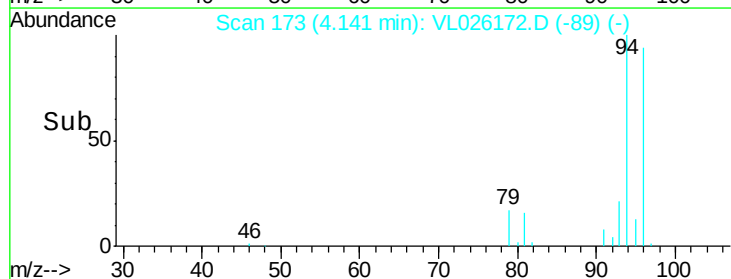
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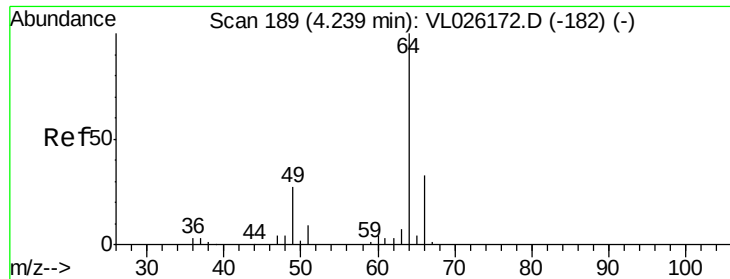
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.68 ppbv

RT: 4.24 min Scan# 189

Delta R.T. 0.01 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 238809

Ion Ratio Lower Upper

64 100

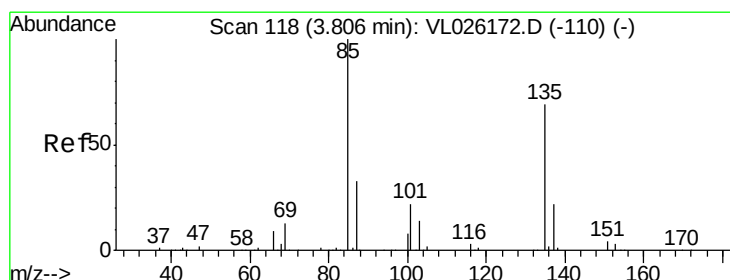
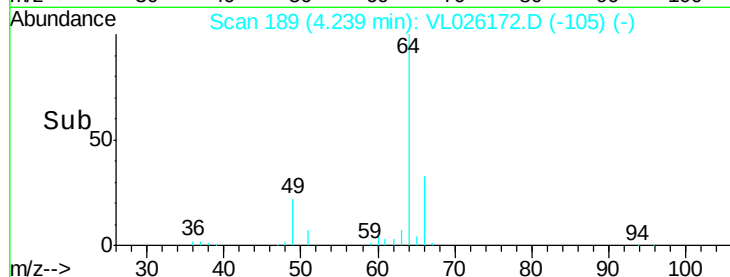
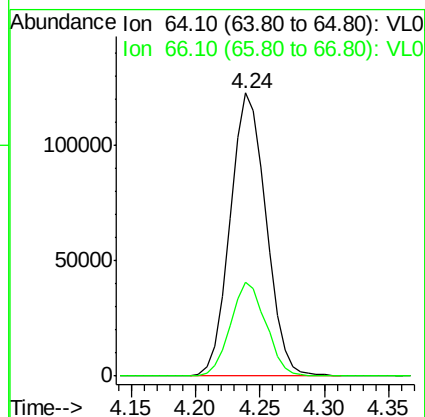
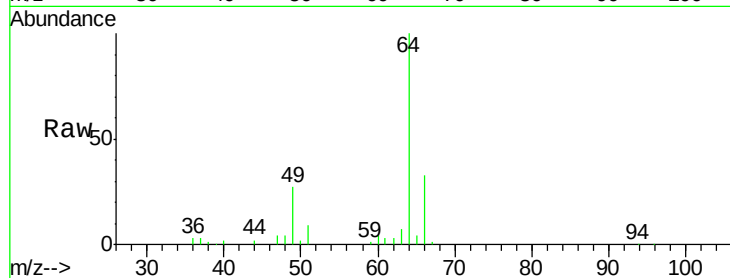
66 33.1 25.5 38.3

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#8

Dichlorotetrafluoroethane

Concen: 9.67 ppbv

RT: 3.81 min Scan# 118

Delta R.T. 0.01 min

Lab File: VL026172.D

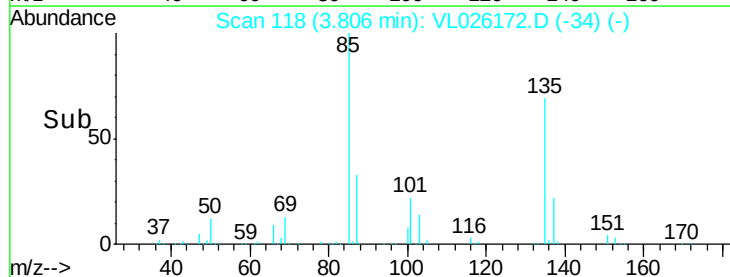
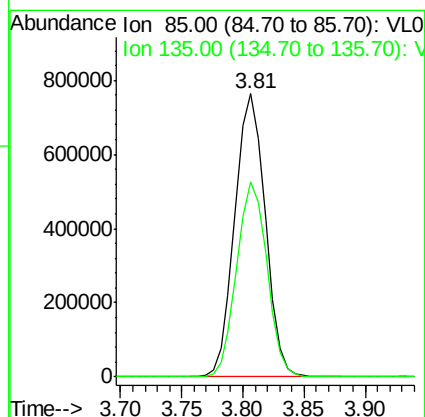
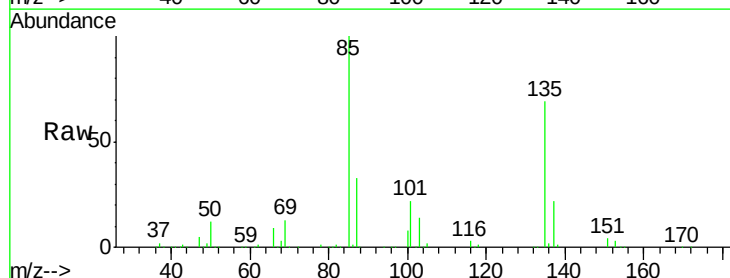
Acq: 9 Oct 2015 10:59

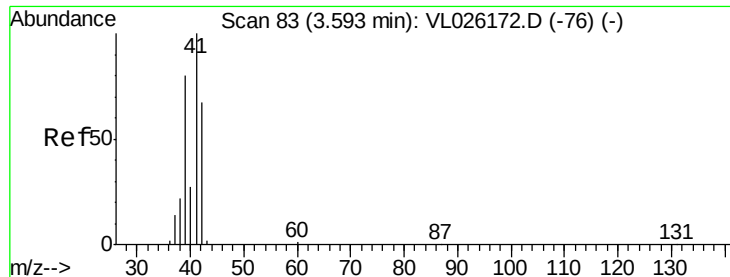
Tgt Ion: 85 Resp: 1316278

Ion Ratio Lower Upper

85 100

135 69.1 54.5 81.7





#9

Propene

Concen: 8.92 ppbv

RT: 3.59 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 454789

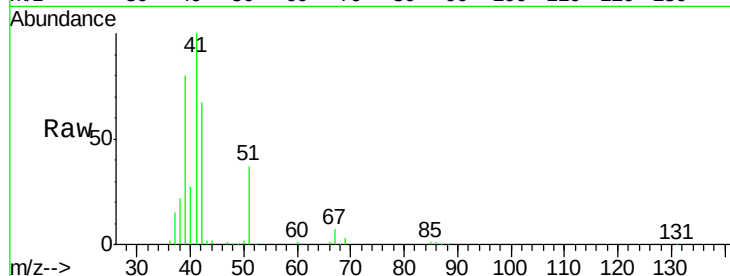
Ion Ratio Lower Upper

41 100

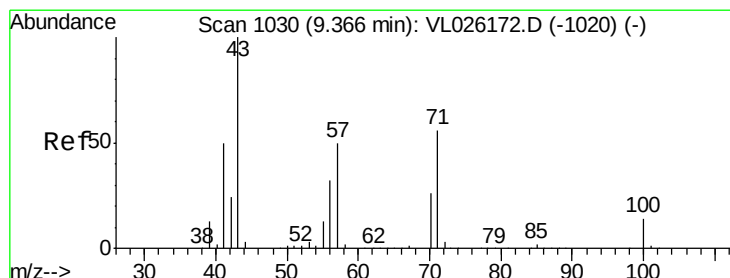
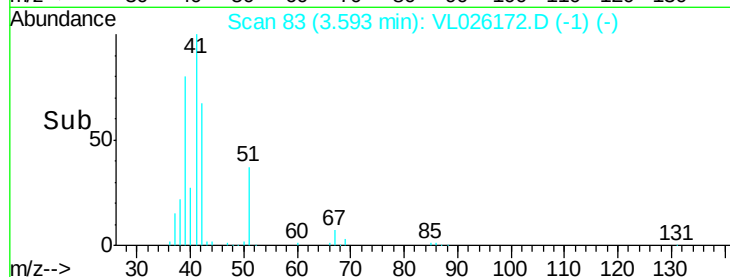
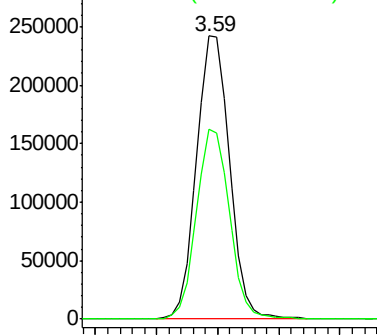
42 67.0 54.0 81.0

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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.98 ppbv

RT: 9.37 min Scan# 1030

Delta R.T. 0.02 min

Lab File: VL026172.D

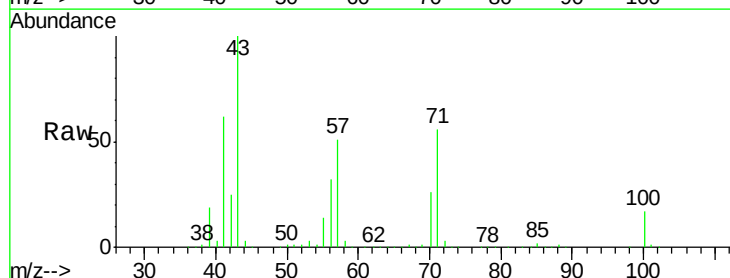
Acq: 9 Oct 2015 10:59

Tgt Ion: 43 Resp: 1587669

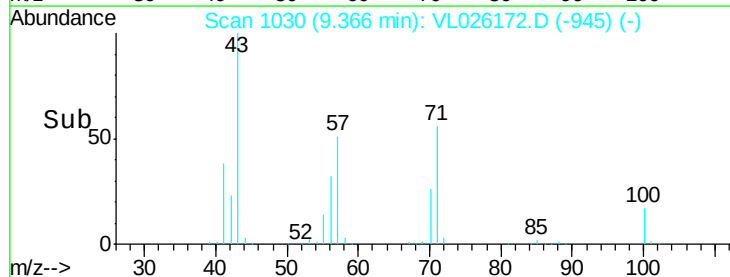
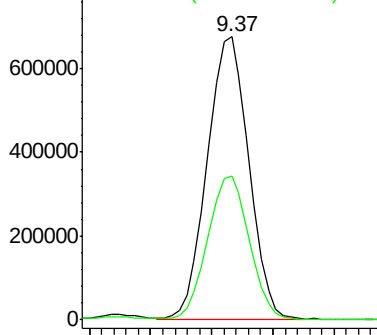
Ion Ratio Lower Upper

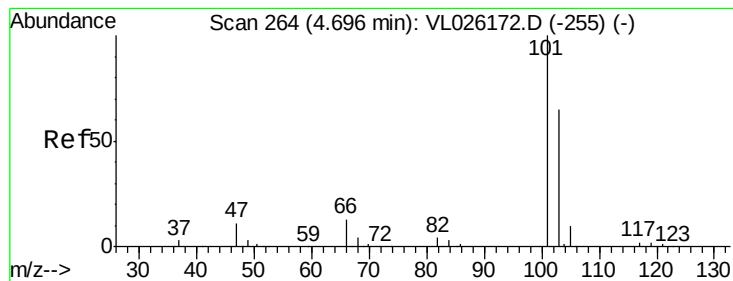
43 100

57 52.3 40.9 61.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 10.46 ppbv

RT: 4.70 min Scan# 264

Delta R.T. 0.01 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:101 Resp: 1505970

Ion Ratio Lower Upper

101 100

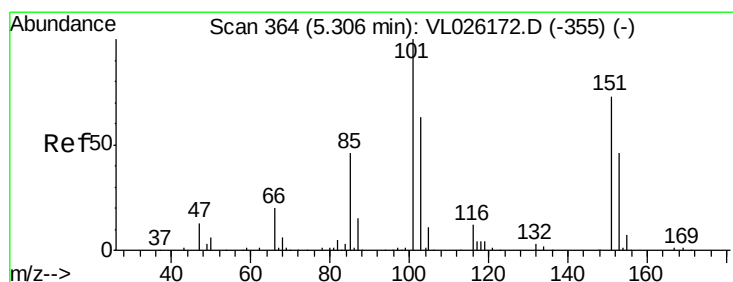
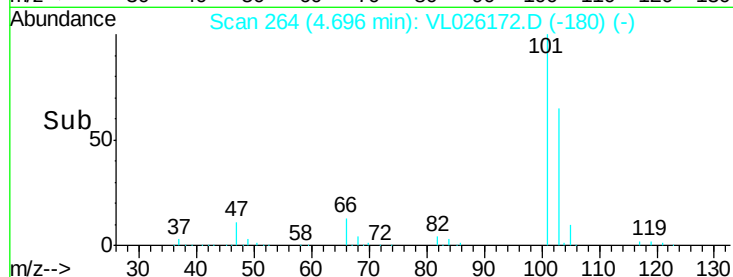
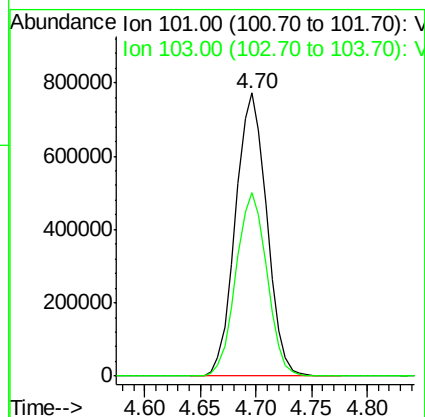
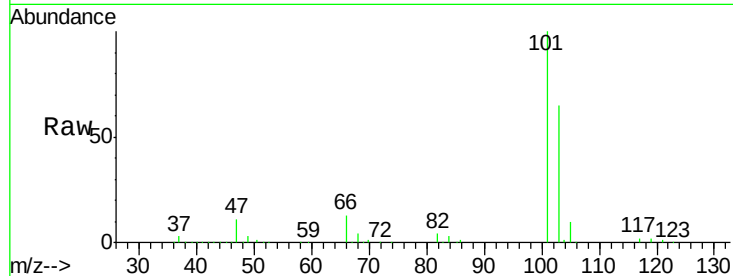
103 64.9 51.6 77.4

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.23 ppbv

RT: 5.31 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL026172.D

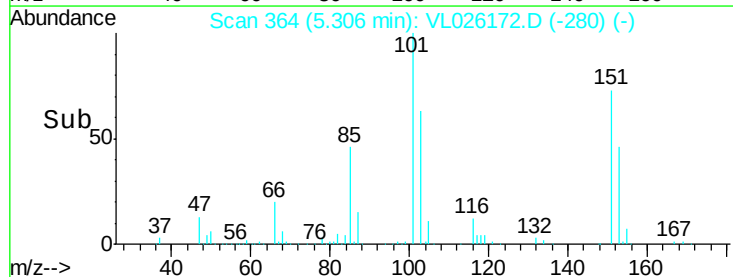
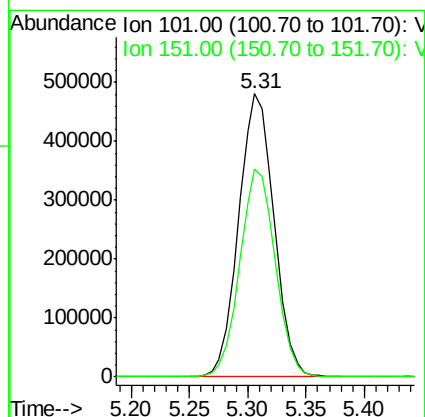
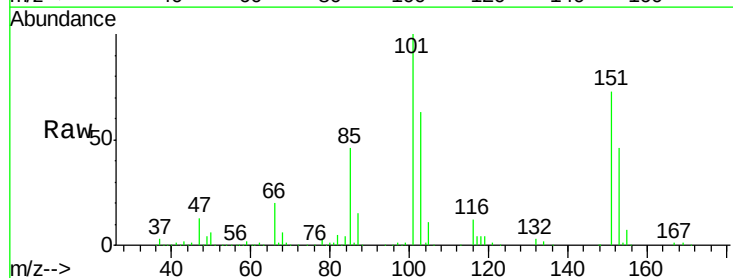
Acq: 9 Oct 2015 10:59

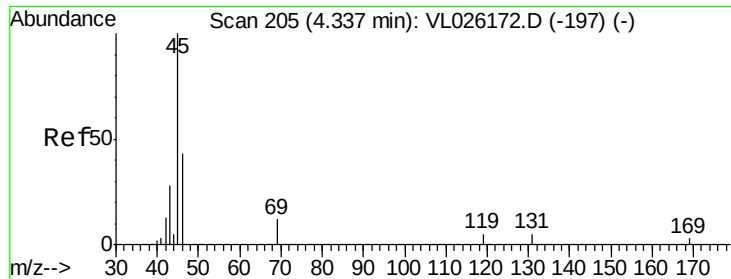
Tgt Ion:101 Resp: 1016278

Ion Ratio Lower Upper

101 100

151 73.8 59.8 89.6





#13

Ethanol

Concen: 6.67 ppbv

RT: 4.34 min Scan# 205

Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Tot Ion: 45 Resp: 41191

Ion Ratio Lower Upper

45 100

46 45.3 16.7 66.9

Instrument :

MSVOA_L

ClientSampleId :

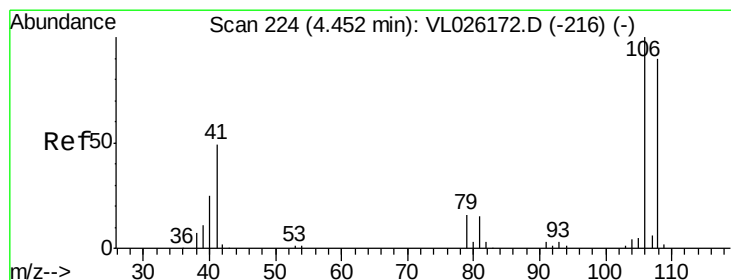
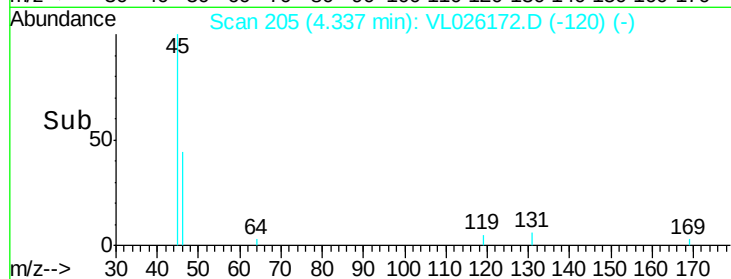
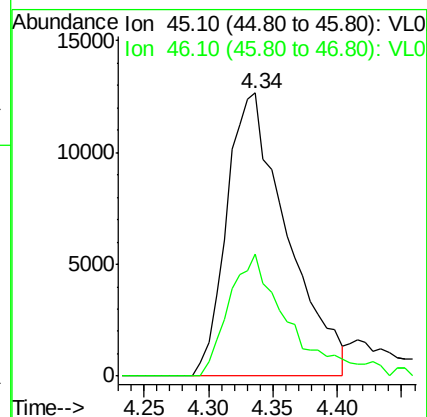
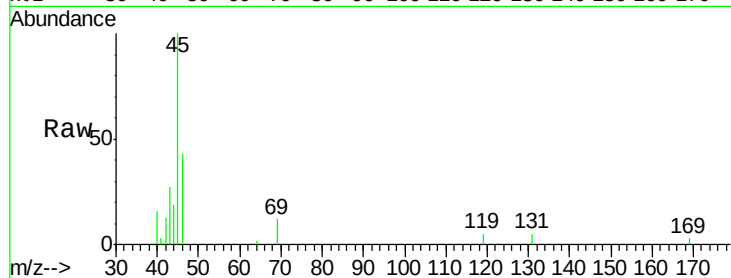
VSTDICCC010

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#14

Bromoethene

Concen: 10.11 ppbv

RT: 4.45 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

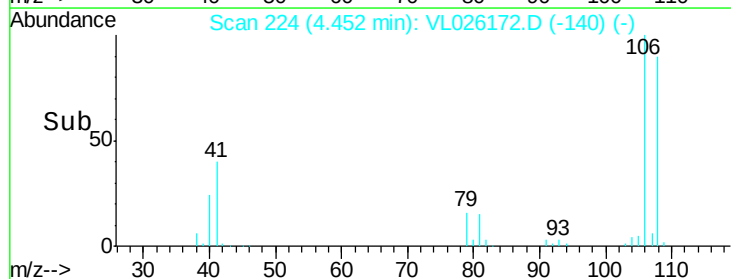
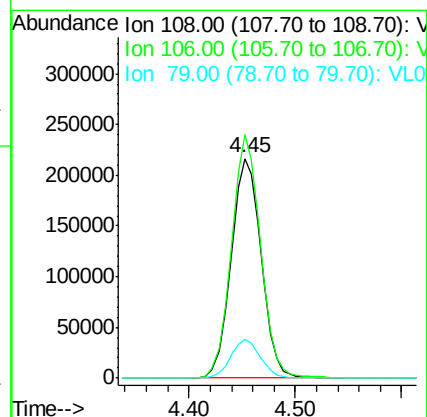
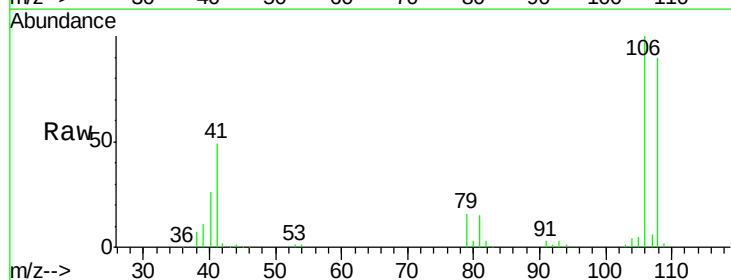
Tgt Ion: 108 Resp: 428444

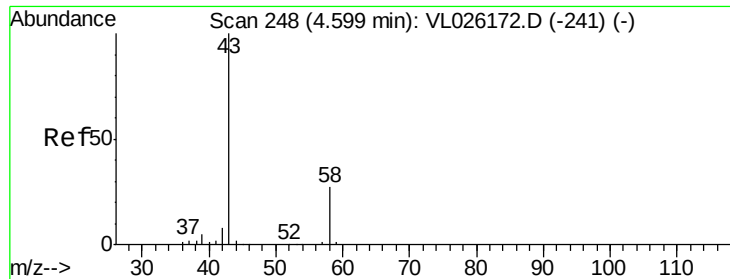
Ion Ratio Lower Upper

108 100

106 107.4 84.9 127.3

79 17.5 13.2 19.8





#15

Acetone

Concen: 8.51 ppbv

RT: 4.60 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 923735

Ion Ratio Lower Upper

43 100

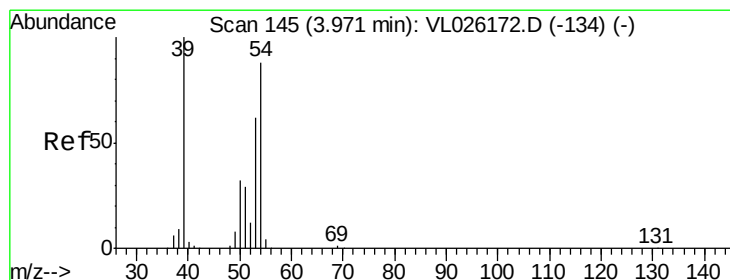
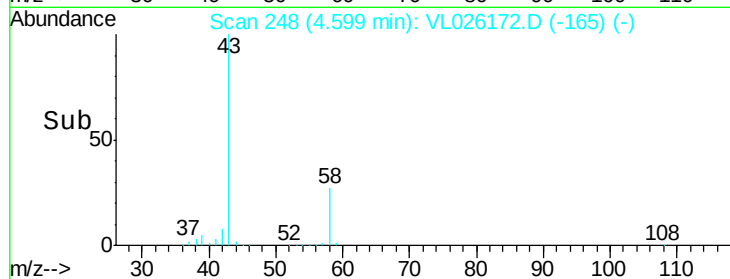
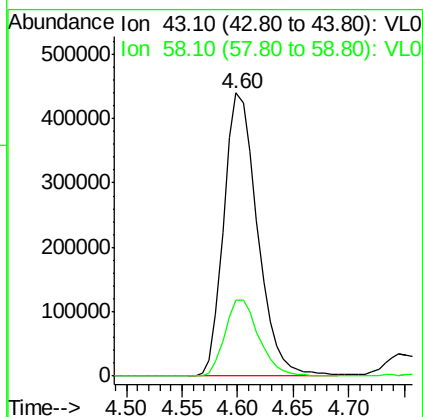
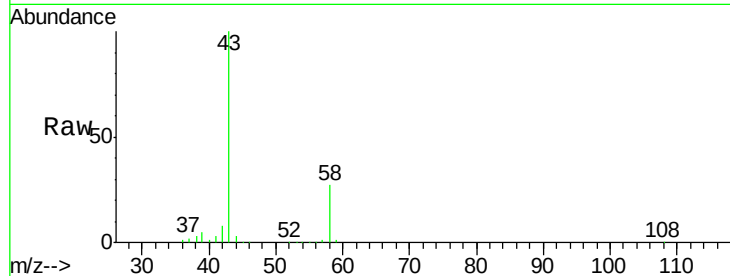
58 27.5 22.2 33.4

Manual Integrations

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#16

1,3-Butadiene

Concen: 9.20 ppbv

RT: 3.97 min Scan# 145

Delta R.T. 0.01 min

Lab File: VL026172.D

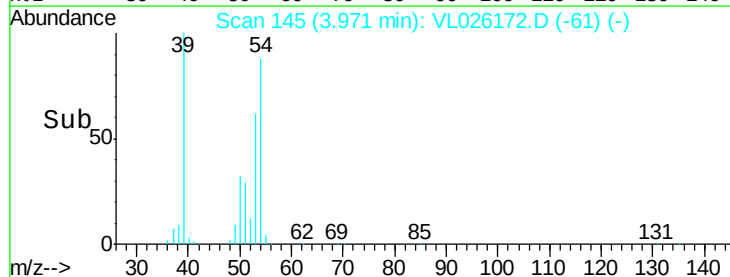
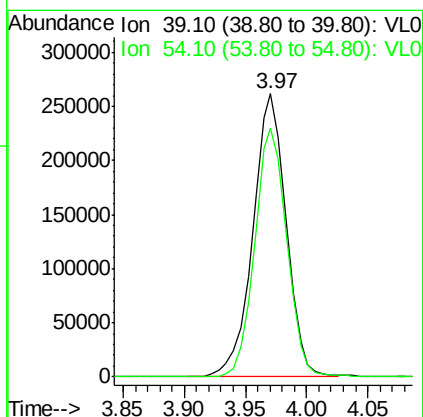
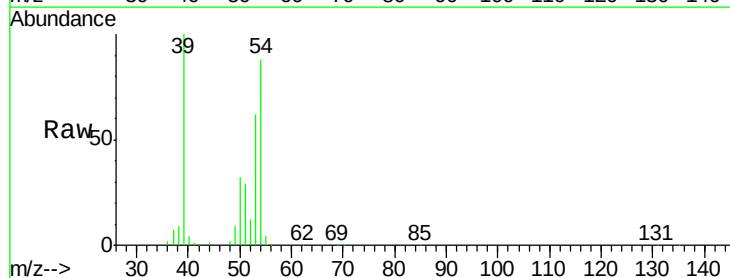
Acq: 9 Oct 2015 10:59

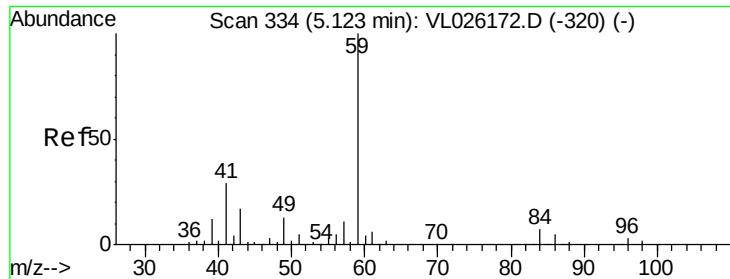
Tgt Ion: 39 Resp: 495704

Ion Ratio Lower Upper

39 100

54 84.9 67.0 100.6





#17

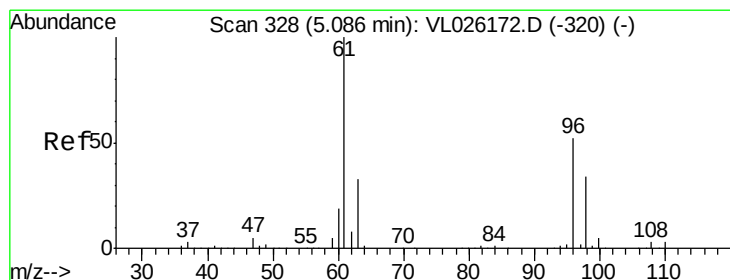
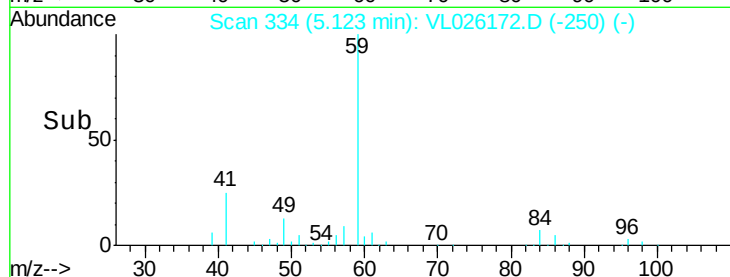
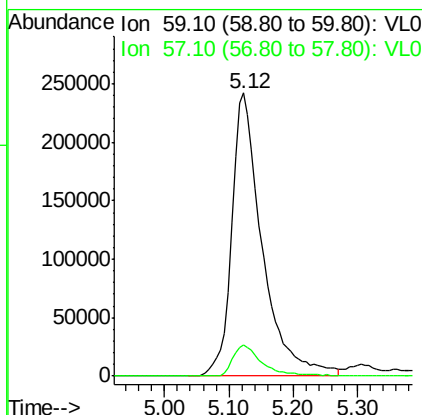
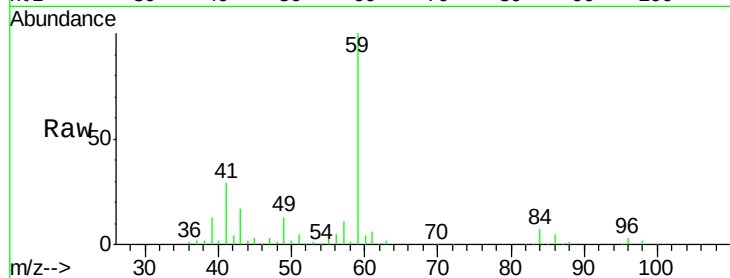
tert-Butyl alcohol
 Concen: 11.33 ppbv
 RT: 5.12 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	12.8

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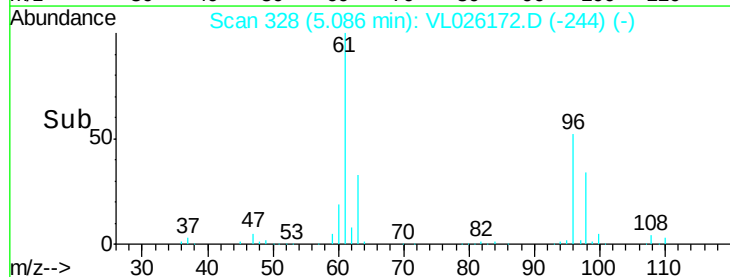
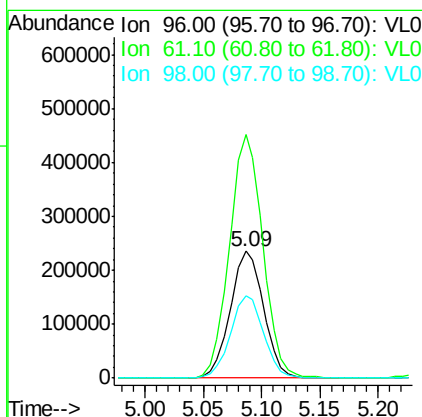
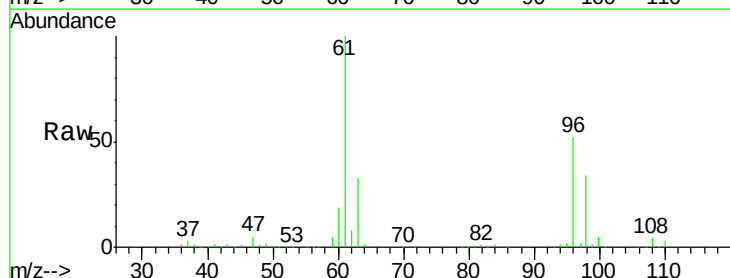
MMdadoda
 10/12/2015 1:25:30 PM

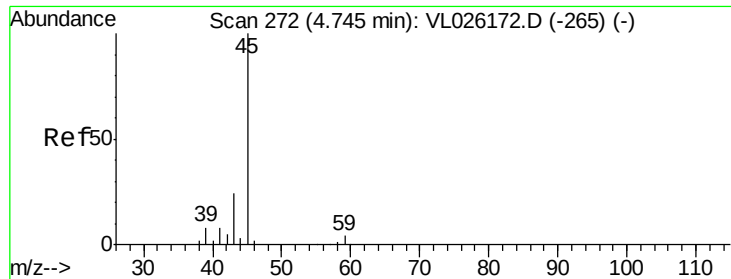


#18

1,1-Dichloroethene
 Concen: 10.09 ppbv
 RT: 5.09 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.5	152.5	228.7
98	65.1	51.0	76.6





#19

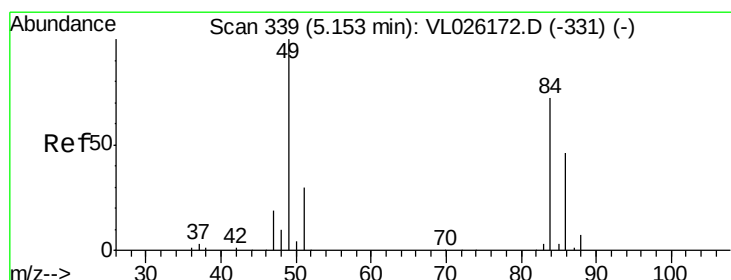
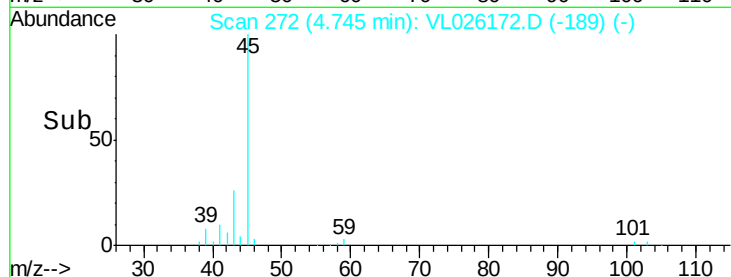
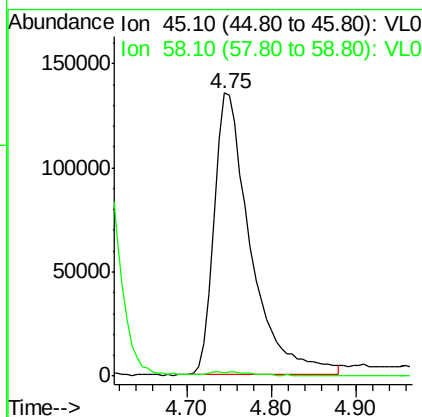
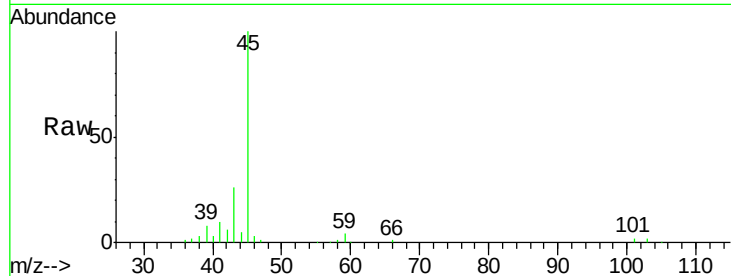
Isopropyl Alcohol
 Concen: 8.90 ppbv
 RT: 4.75 min Scan# 272
 Delta R.T. 0.01 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.4	2.0#

Manual Integrations
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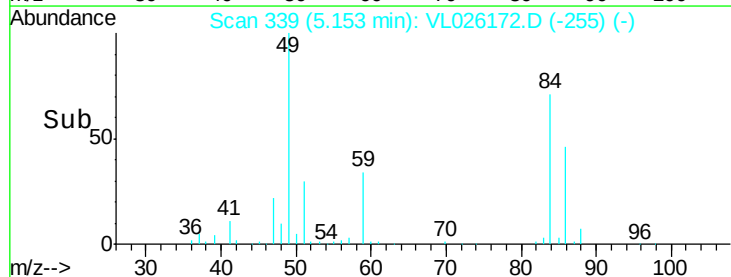
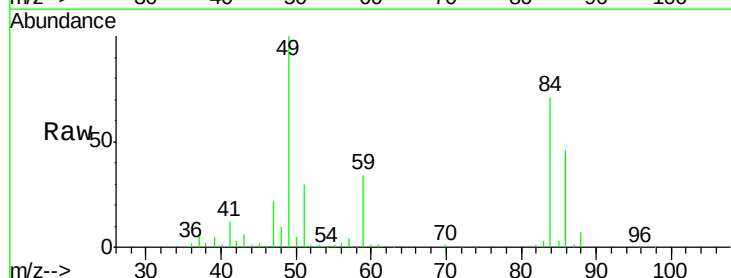
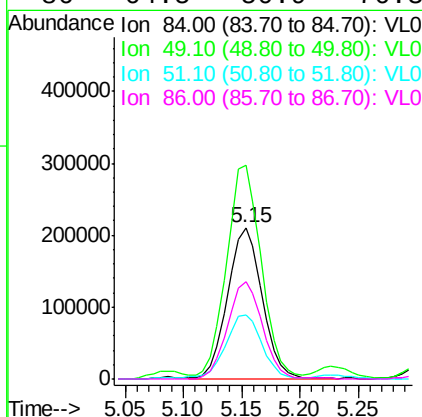
MMdadoda
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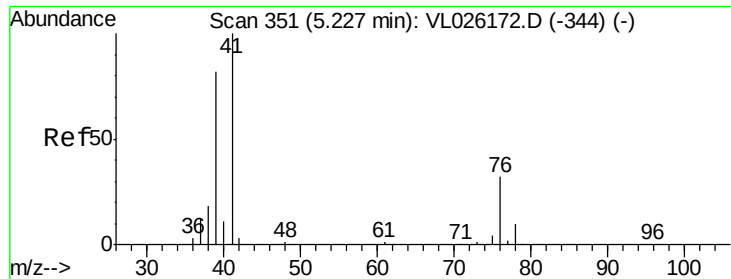


#20

Methylene Chloride
 Concen: 9.50 ppbv
 RT: 5.15 min Scan# 339
 Delta R.T. 0.01 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.1	112.9	169.3
51	41.3	34.0	51.0
86	64.5	50.9	76.3





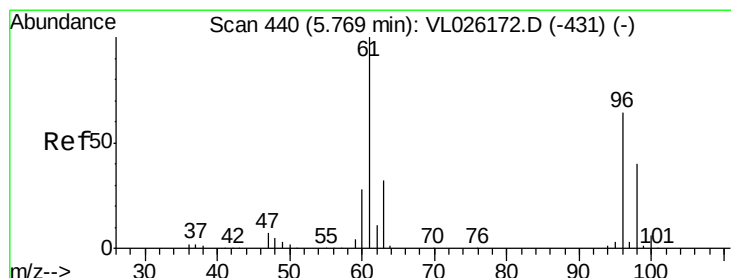
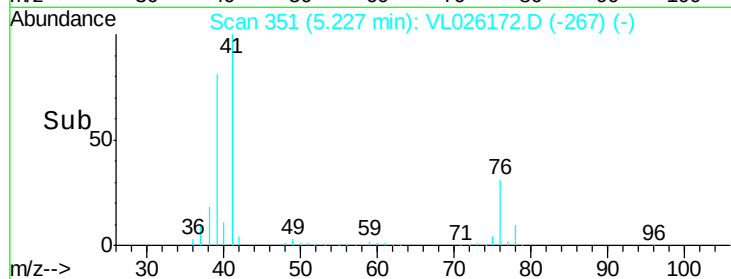
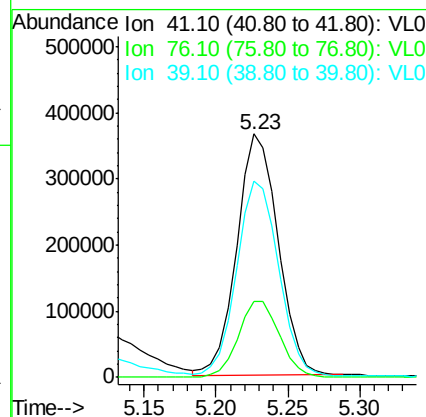
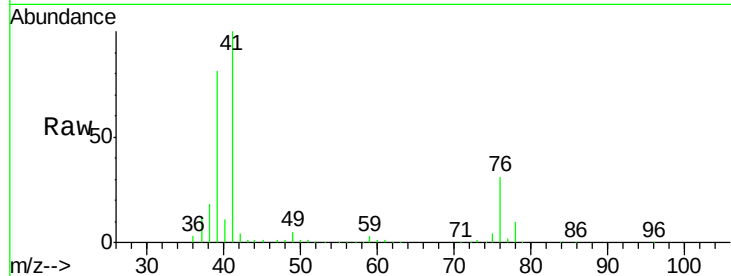
#21
Allvl Chloride
Concen: 9.72 ppbv
RT: 5.23 min Scan# 351
Delta R.T. 0.01 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.8	24.6	37.0
39	83.1	63.7	95.5

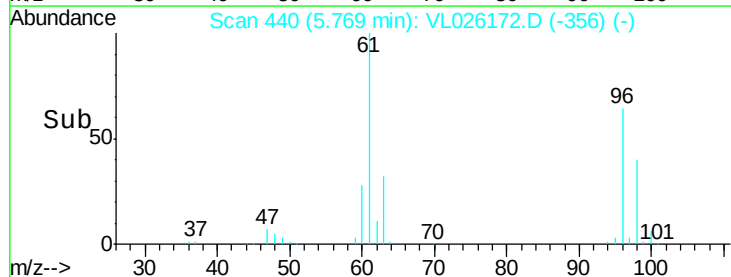
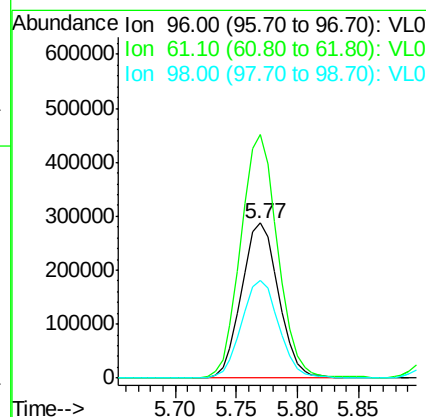
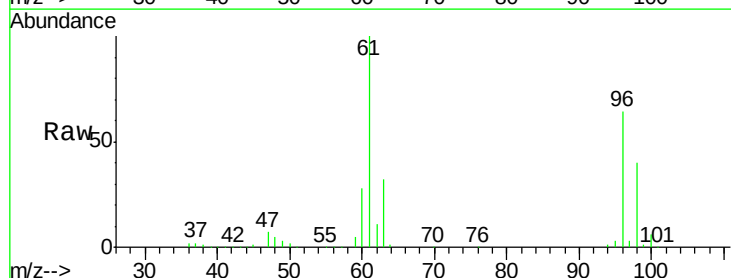
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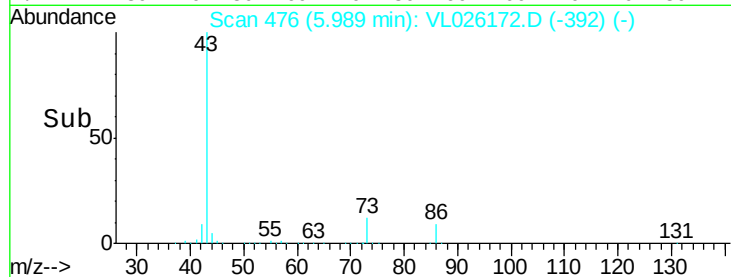
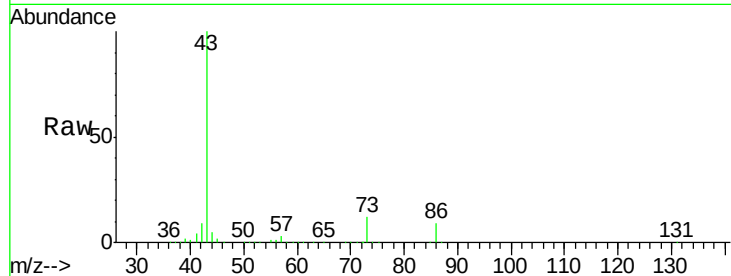
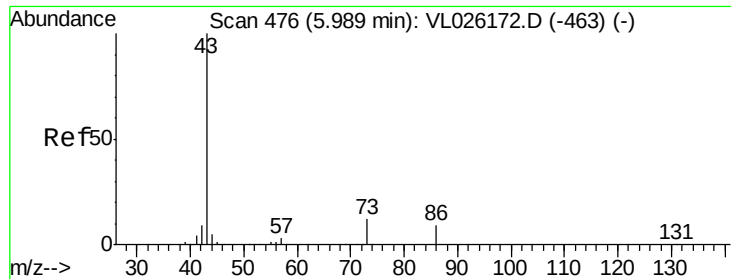
MMdadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.72 ppbv
RT: 5.77 min Scan# 440
Delta R.T. 0.01 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.2	124.4	186.6
98	63.2	51.3	76.9





#23

Vinyl Acetate

Concen: 9.70 ppbv

RT: 5.99 min Scan# 476

Delta R.T. 0.01 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Tot Ion:	43	Resp:	1996189
Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.9	10.3
42	9.3	7.1	10.7
44	4.9	3.9	5.9

Instrument :

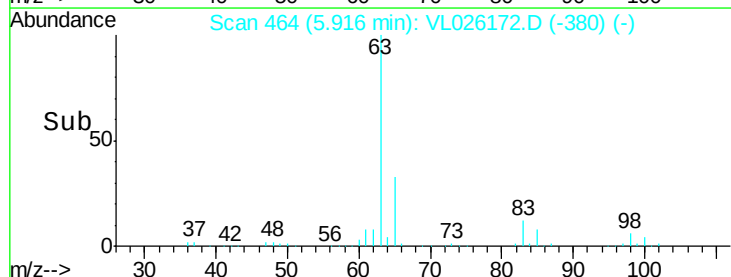
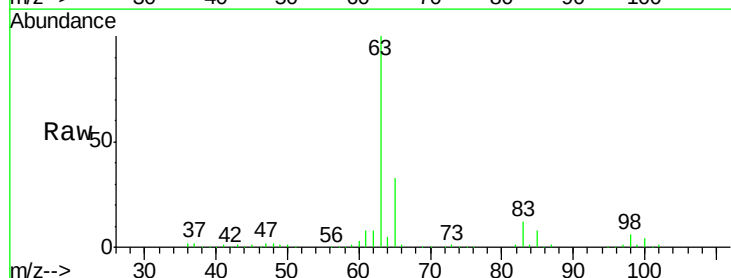
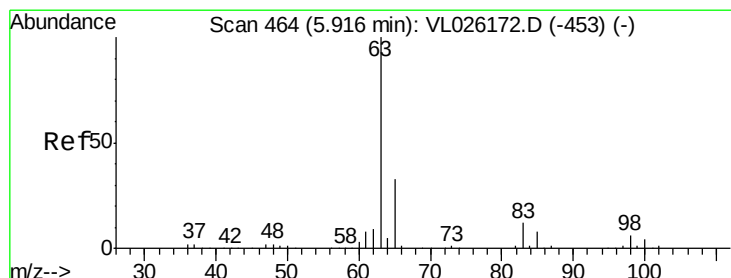
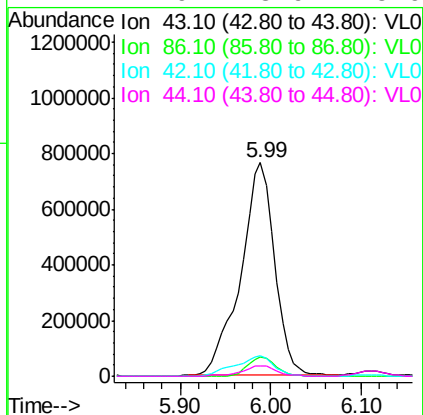
MSVOA_L

ClientSampleId :

VSTDICCC010

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#24

1,1-Dichloroethane

Concen: 9.38 ppbv

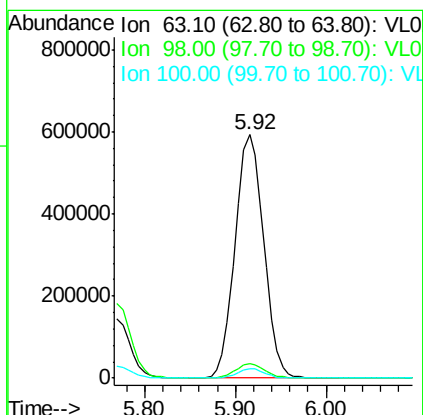
RT: 5.92 min Scan# 464

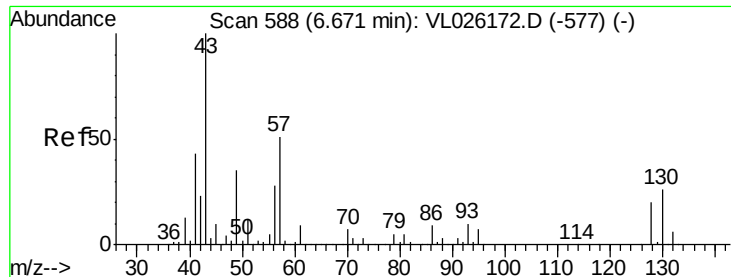
Delta R.T. 0.01 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Tgt Ion:	63	Resp:	1302035
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.8	8.3
100	3.7	1.8	5.5





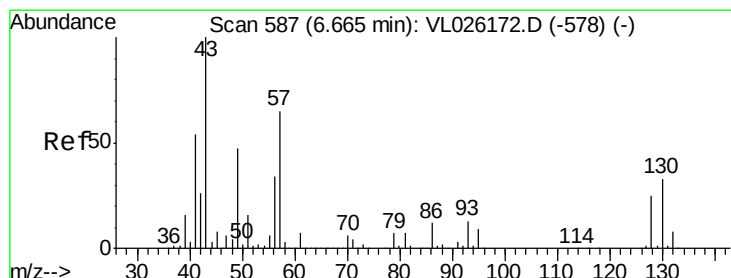
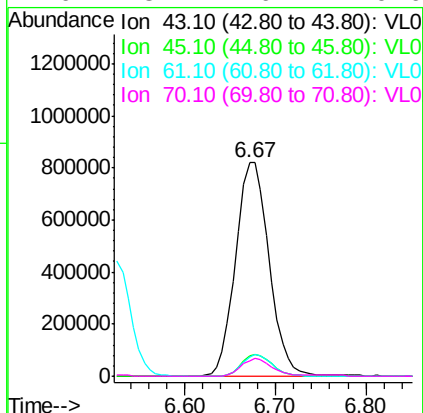
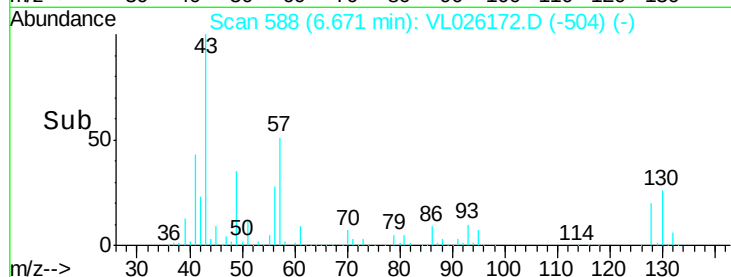
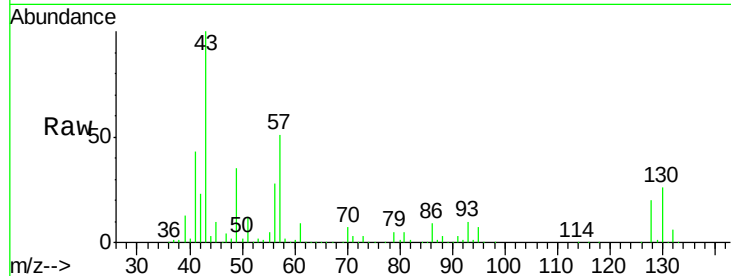
#25
Ethyl Acetate
Concen: 9.11 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.01 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.6
61	9.3	7.4	11.2
70	8.2	6.4	9.6

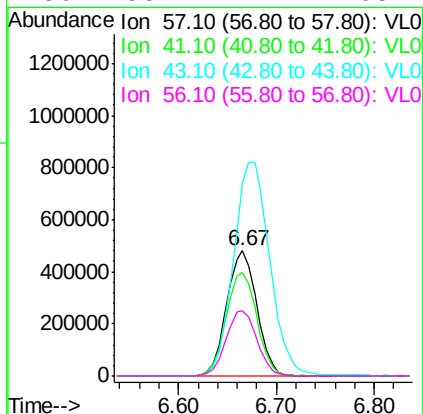
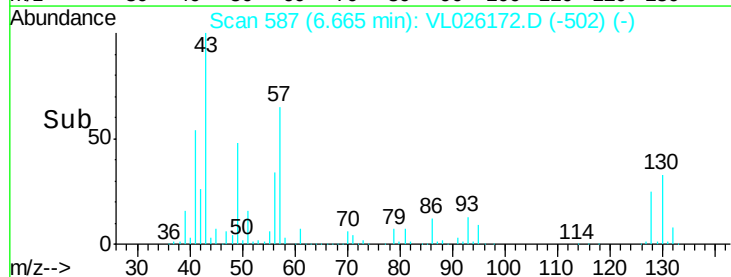
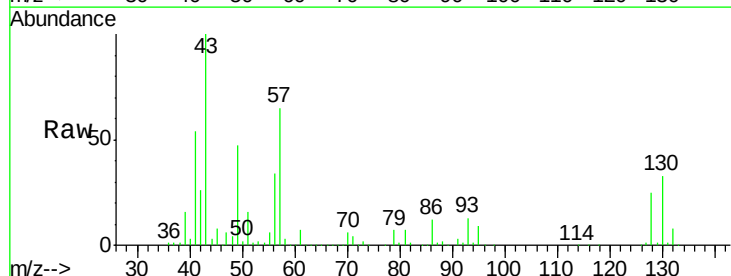
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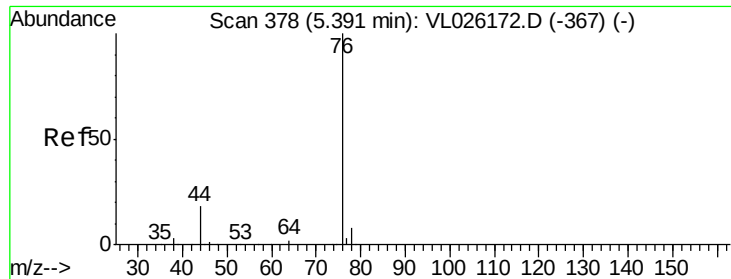
MMdadoda
10/12/2015 1:25:30 PM



#26
Hexane
Concen: 9.30 ppbv
RT: 6.67 min Scan# 587
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	85.0	66.9	100.3
43	205.5	167.2	250.8
56	53.4	42.2	63.4





#27

Carbon Disulfide

Concen: 10.95 ppbv

RT: 5.39 min Scan# 378

Delta R.T. 0.01 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1295757

Ion Ratio Lower Upper

76 100

44 17.8 13.8 20.8

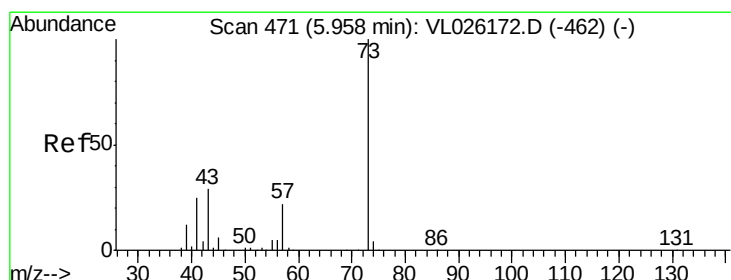
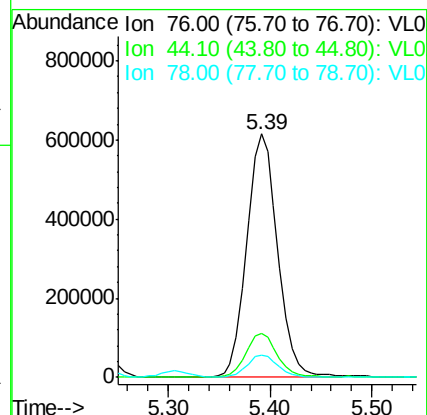
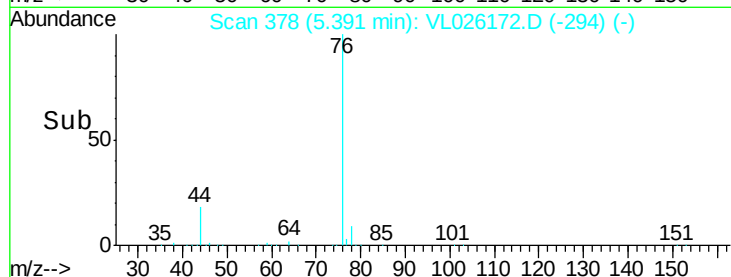
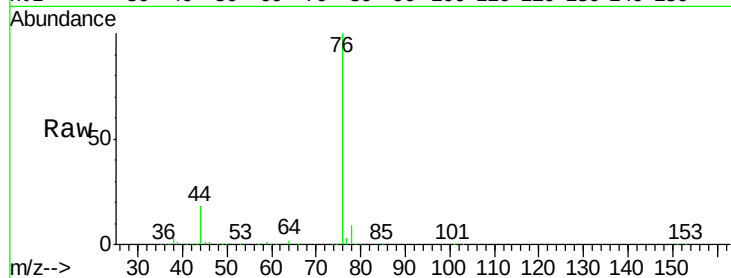
78 9.4 7.4 11.0

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MMdadoda

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#28

Methyl tert-Butyl Ether

Concen: 10.25 ppbv

RT: 5.96 min Scan# 471

Delta R.T. 0.02 min

Lab File: VL026172.D

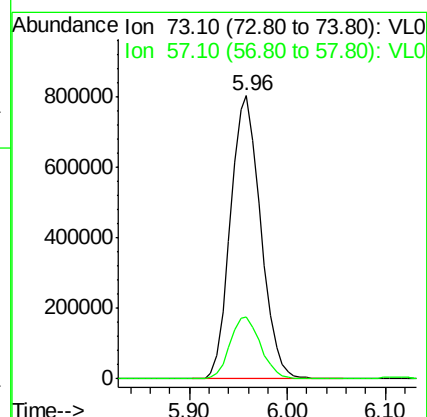
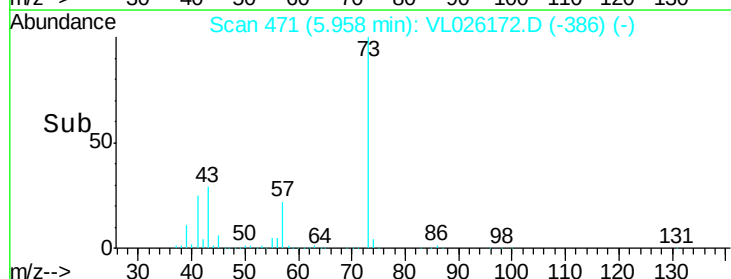
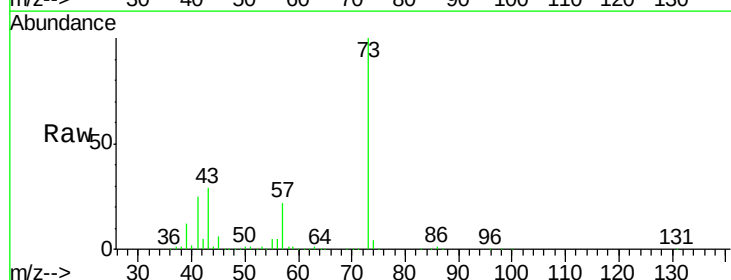
Acq: 9 Oct 2015 10:59

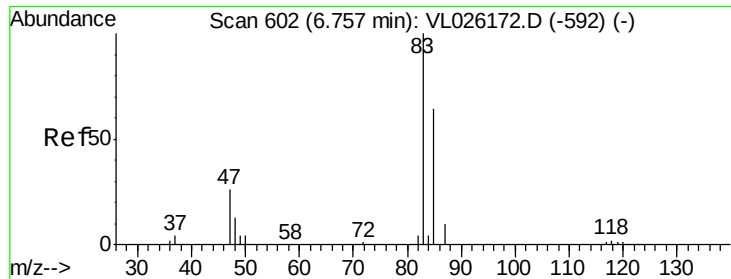
Tgt Ion: 73 Resp: 1724124

Ion Ratio Lower Upper

73 100

57 22.2 18.7 28.1





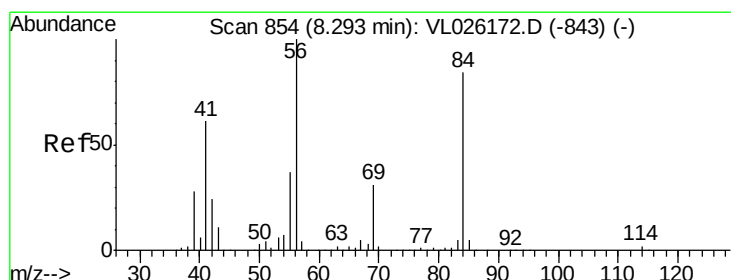
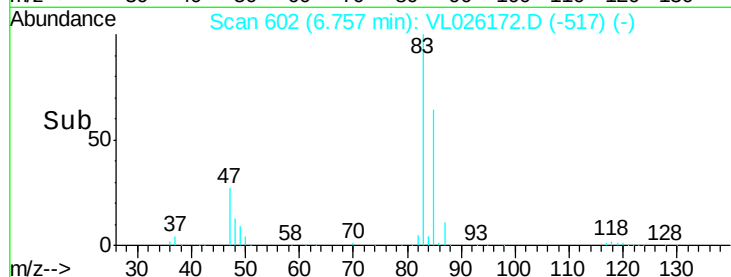
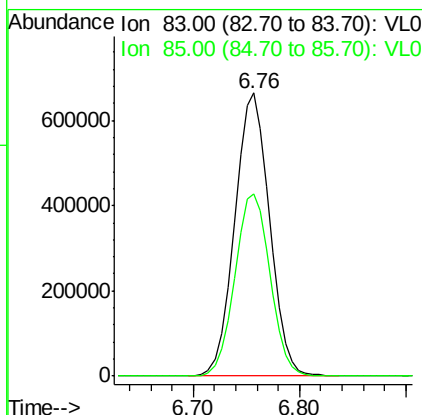
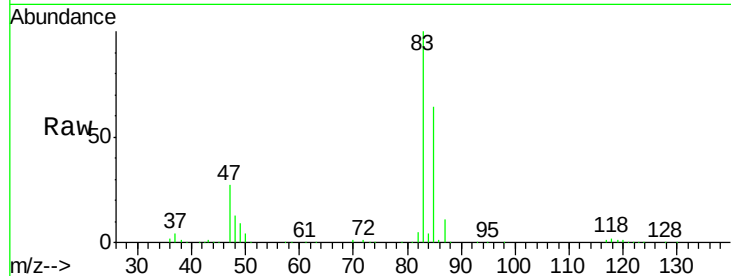
#29
Chloroform
Concen: 9.94 ppbv
RT: 6.76 min Scan# 602
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1525342
Ion Ratio Lower Upper
83 100
85 64.4 52.2 78.2

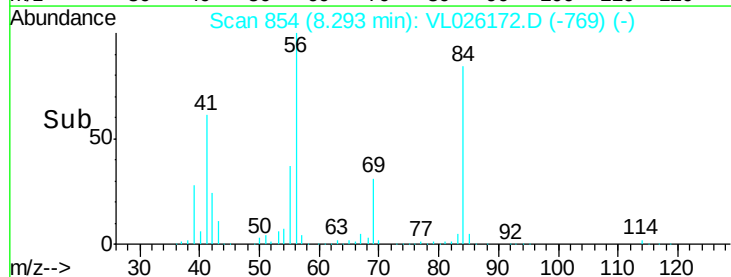
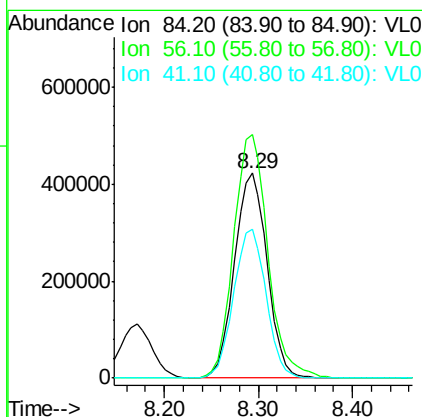
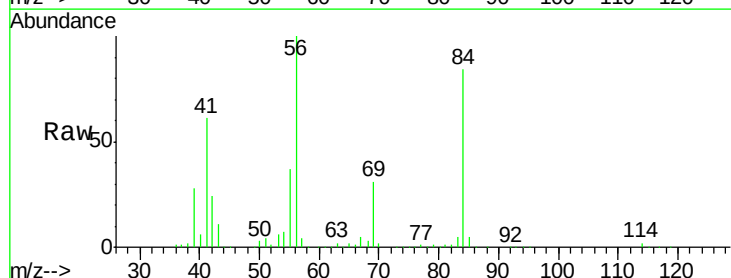
Manual Integrations
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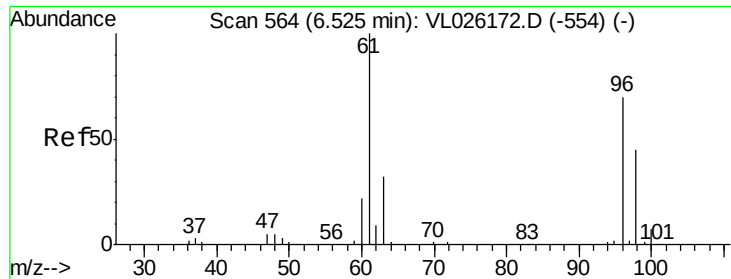
MMdadoda
10/12/2015 1:25:30 PM



#30
Cyclohexane
Concen: 9.68 ppbv
RT: 8.29 min Scan# 854
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Tgt Ion: 84 Resp: 1022495
Ion Ratio Lower Upper
84 100
56 124.8 105.0 157.4
41 72.6 60.7 91.1





#31

cis-1,2-Dichloroethene

Concen: 9.75 ppbv

RT: 6.53 min Scan# 564

Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

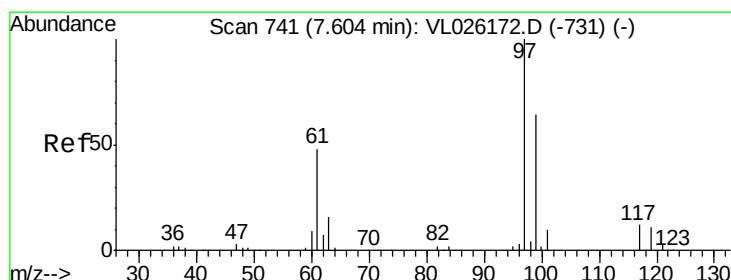
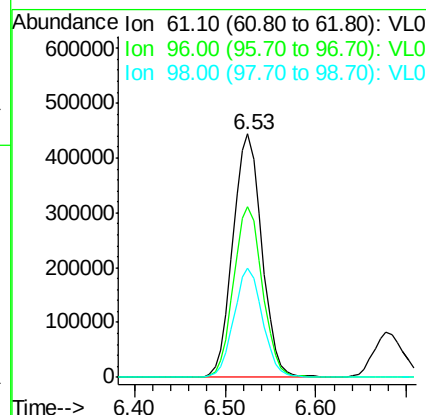
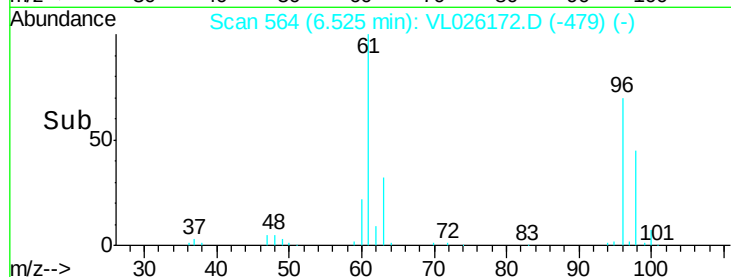
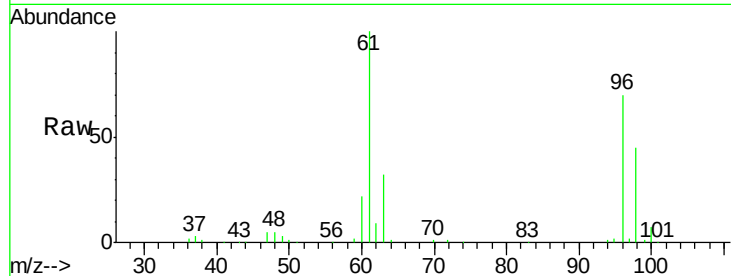
ClientSampleId :

VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
61	100	985950		
96	69.8		54.9	82.3
98	44.7		34.4	51.6

Manual Integrations
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MMdadoda
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#32

1,1,1-Trichloroethane

Concen: 9.98 ppbv

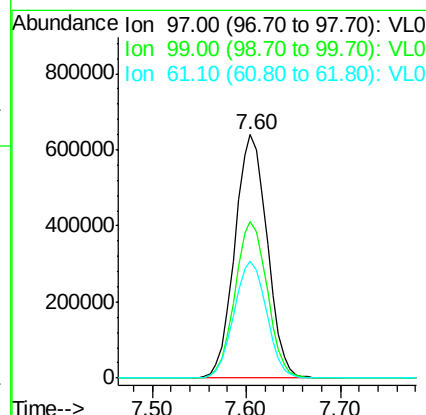
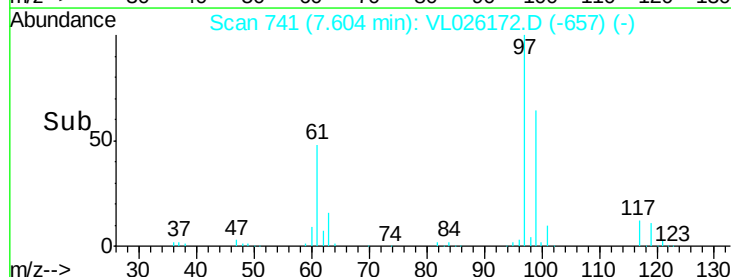
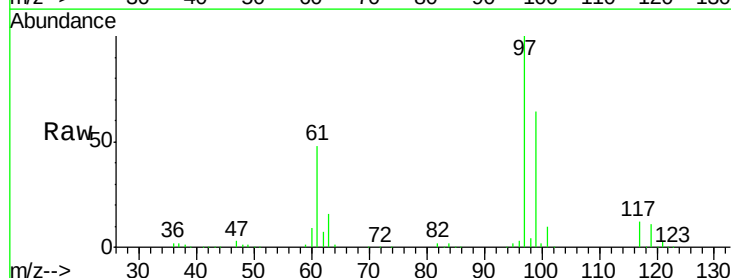
RT: 7.60 min Scan# 741

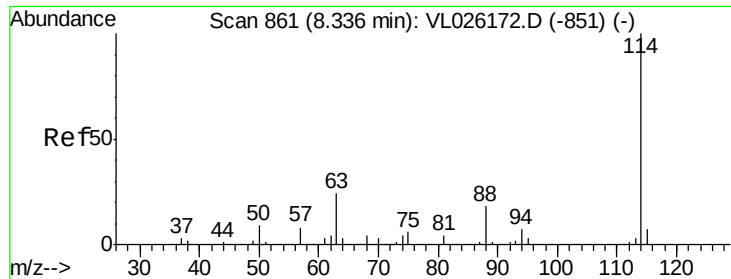
Delta R.T. 0.01 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	1532201		
99	64.1		51.3	76.9
61	48.4		39.9	59.9





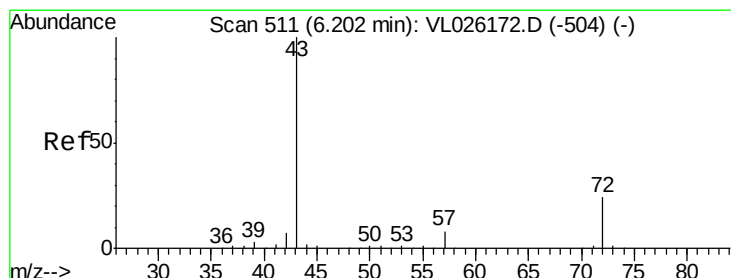
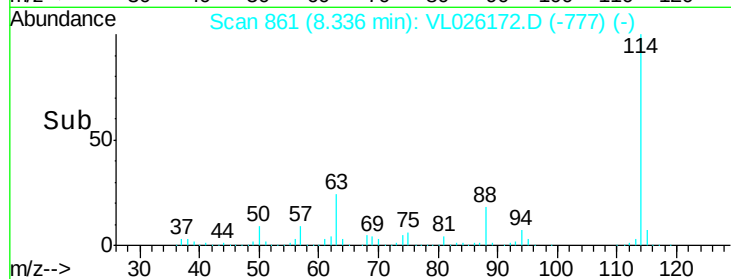
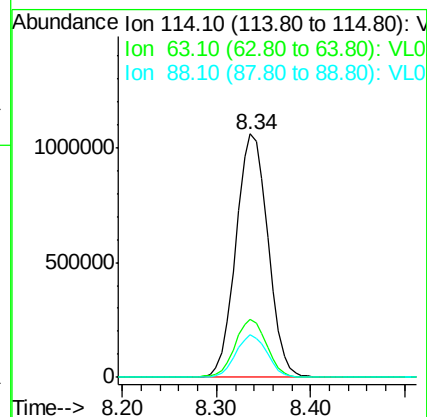
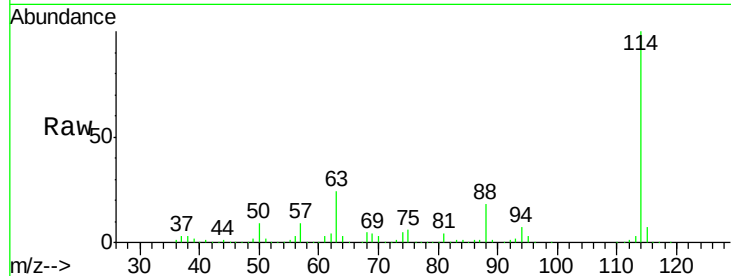
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:114 Resp: 2513217
 Ion Ratio Lower Upper
 114 100
 63 23.8 19.2 28.8
 88 17.3 13.8 20.6

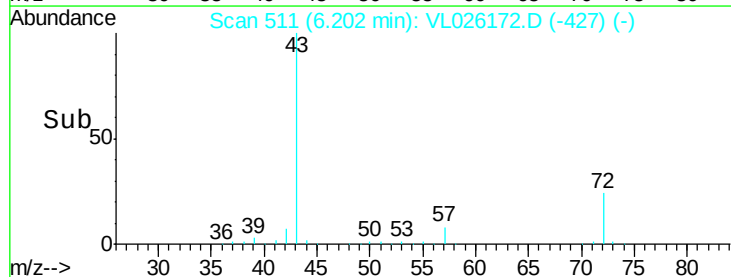
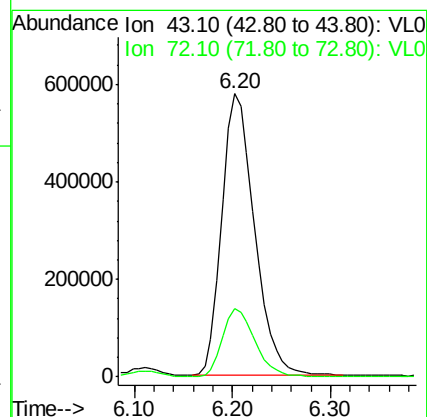
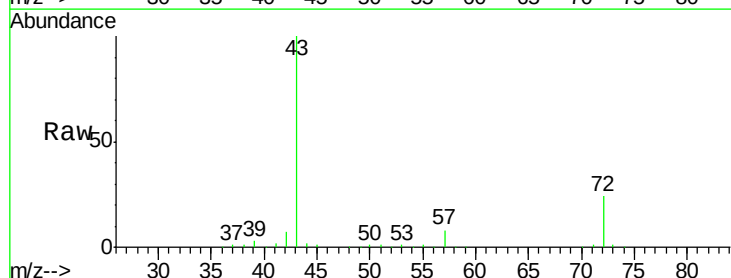
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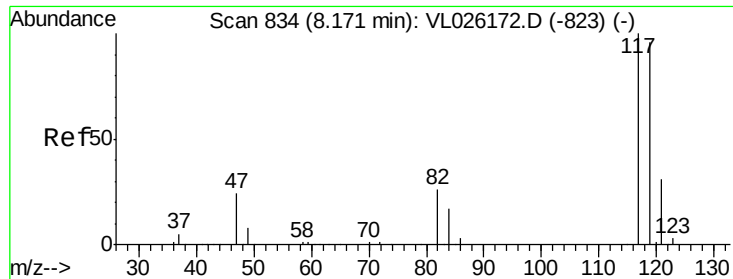
MMdadoda
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#34
 2-Butanone
 Concen: 8.35 ppbv
 RT: 6.20 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Tgt Ion: 43 Resp: 1346669
 Ion Ratio Lower Upper
 43 100
 72 24.5 18.7 28.1





#35

Carbon Tetrachloride

Concen: 9.45 ppbv

RT: 8.17 min Scan# 834

Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 1593170

Ion Ratio Lower Upper

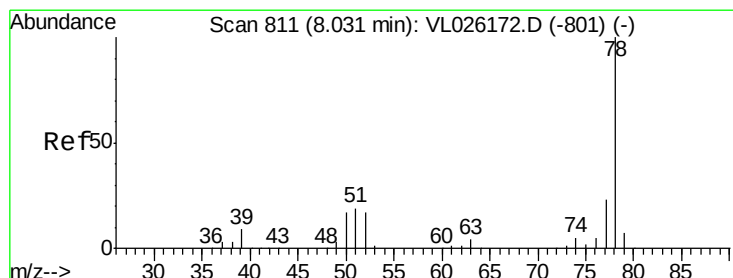
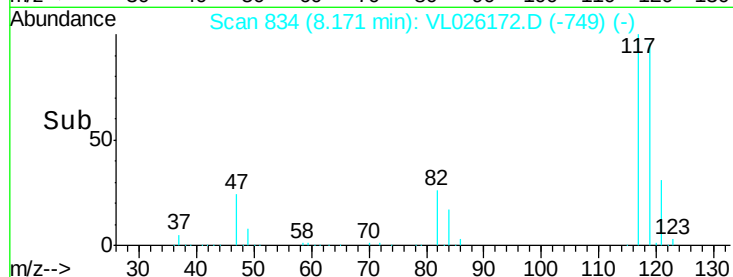
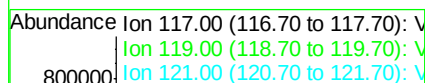
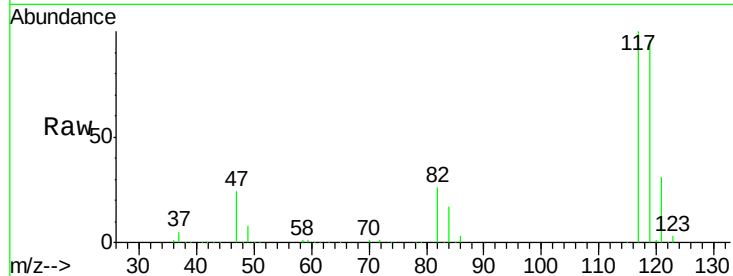
117 100

119 95.8 75.5 113.3

121 31.2 24.7 37.1

Manual Integrations
APPROVED

MMdadoda
10/12/2015 1:25:30 PM



#36

Benzene

Concen: 8.68 ppbv

RT: 8.03 min Scan# 811

Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

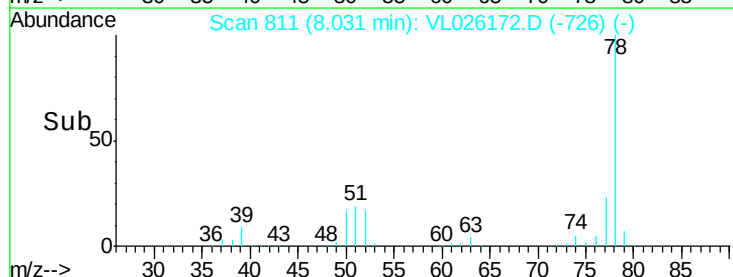
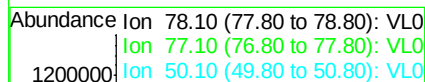
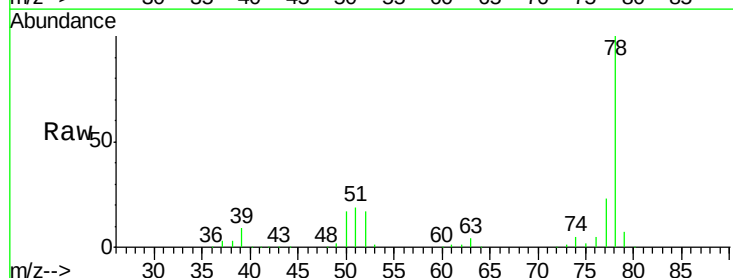
Tgt Ion: 78 Resp: 2306398

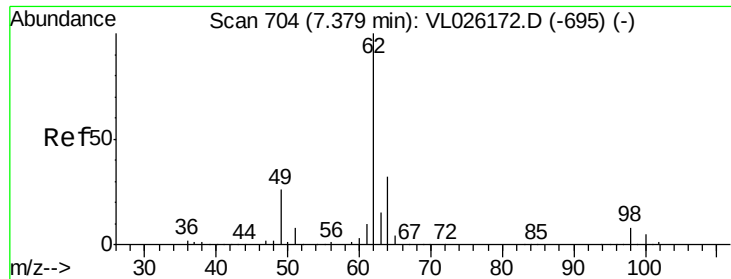
Ion Ratio Lower Upper

78 100

77 22.8 18.6 28.0

50 16.8 13.7 20.5





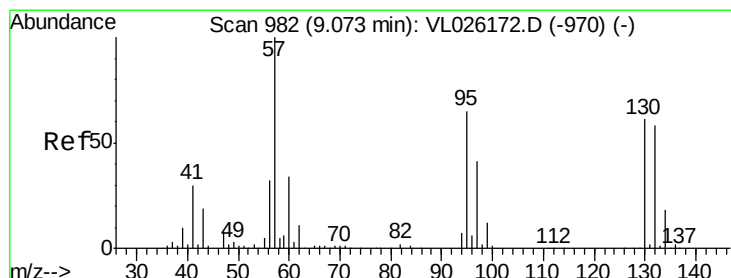
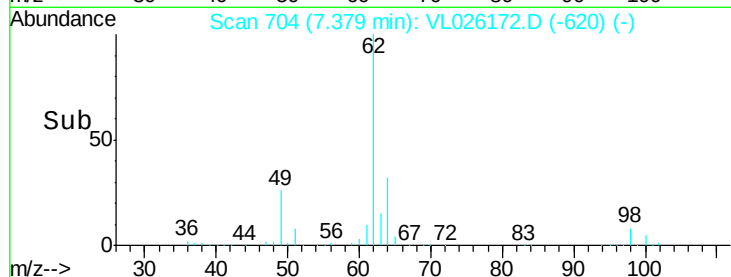
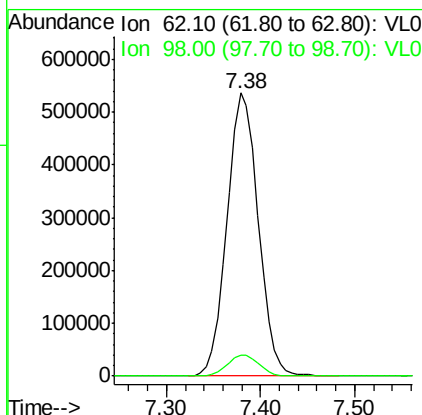
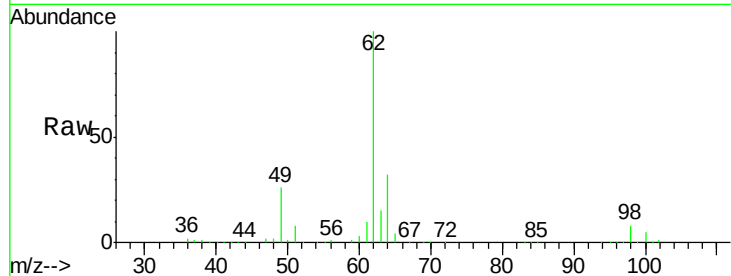
#37
 1,2-Dichloroethane
 Concen: 9.34 ppbv
 RT: 7.38 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.4	9.6

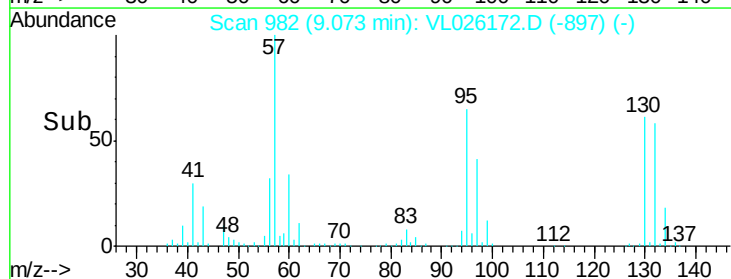
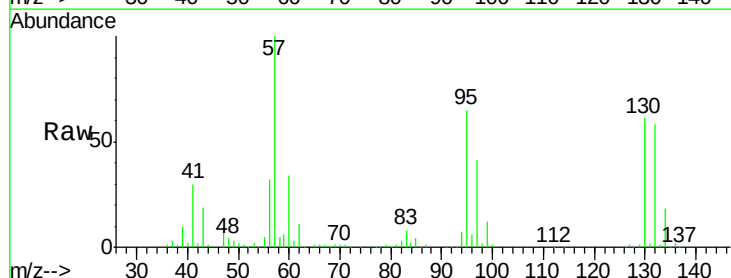
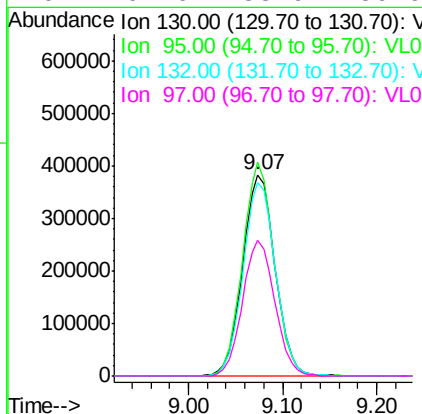
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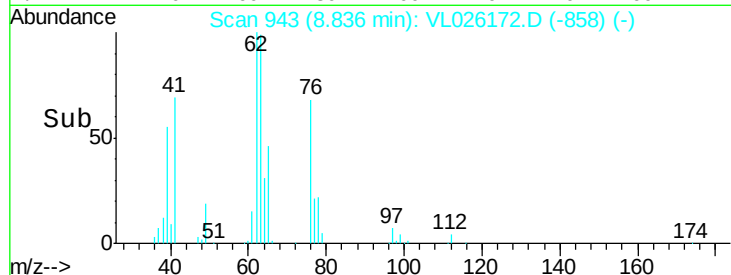
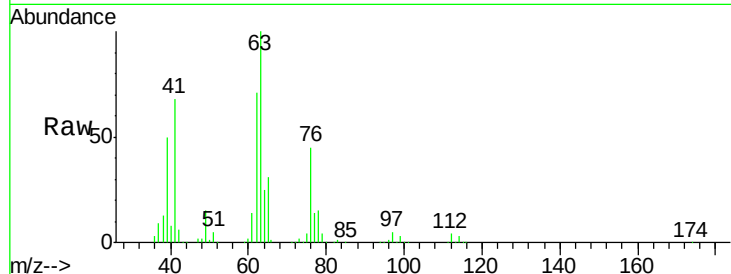
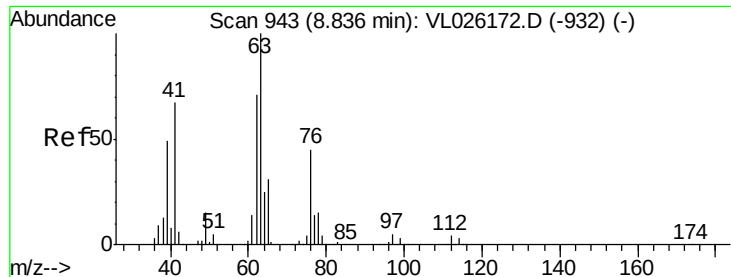
MMdadoda
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#38
 Trichloroethene
 Concen: 7.96 ppbv
 RT: 9.07 min Scan# 982
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.1	84.2	126.4
132	96.0	76.4	114.6
97	67.6	53.9	80.9





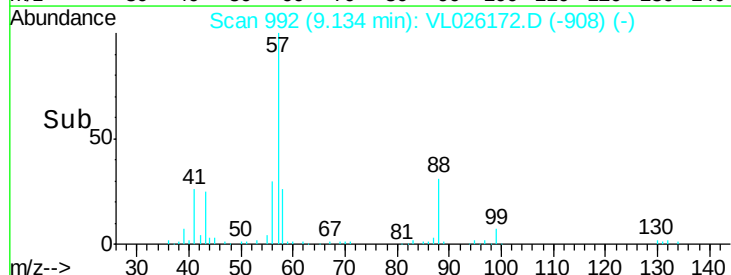
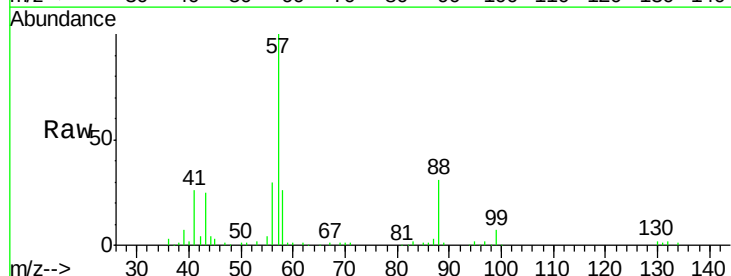
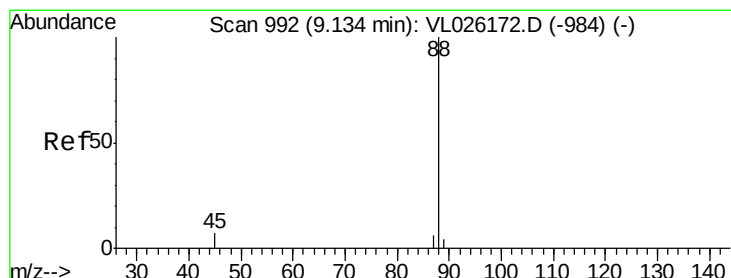
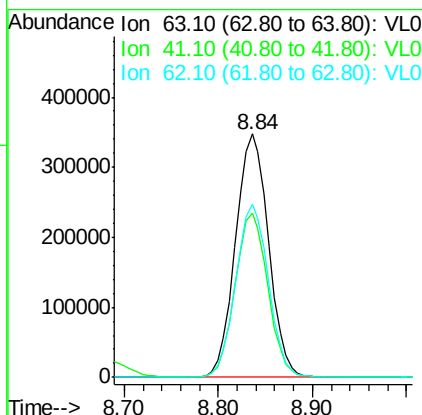
#39
1,2-Dichloropropane
Concen: 8.54 ppbv
RT: 8.84 min Scan# 943
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Tot Ion	Ratio	Resp	Lower	Upper
63	100	851645		
41	67.4		52.1	78.1
62	71.4		57.5	86.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

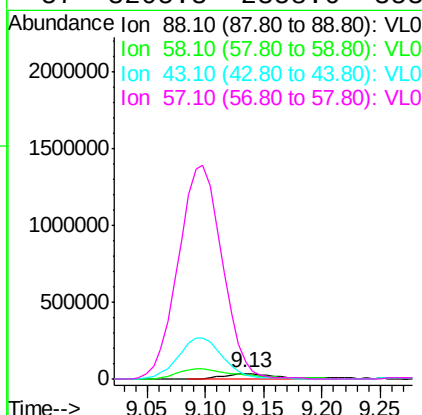
Manual Integrations
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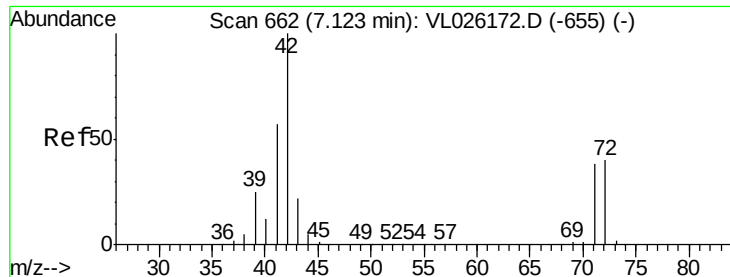
MMdadoda
10/12/2015 1:25:30 PM



#40
1,4-Dioxane
Concen: 7.85 ppbv
RT: 9.13 min Scan# 992
Delta R.T. 0.01 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	114607		
58	223.0		165.8	248.8
43	637.8		472.6	708.8
57	3205.3		2358.6	3537.8





#41

Tetrahydrofuran

Concen: 8.61 ppbv

RT: 7.12 min Scan# 662

Delta R.T. 0.01 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

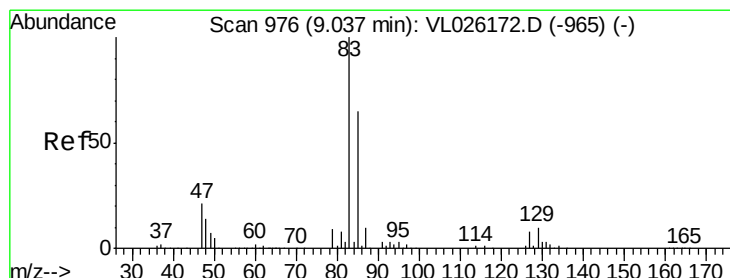
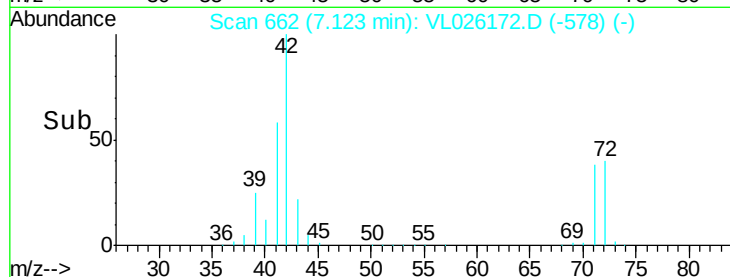
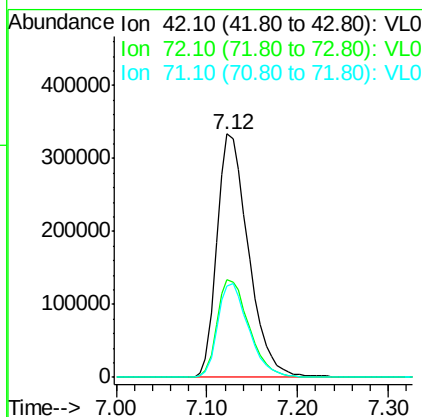
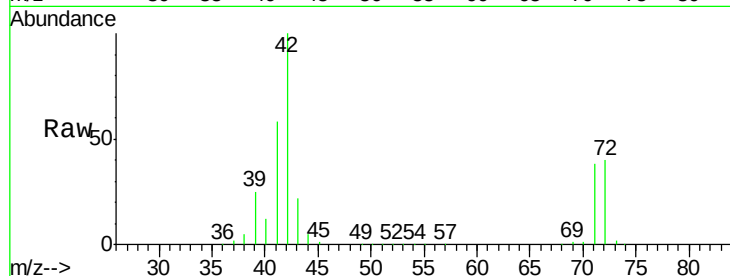
ClientSampleId :

VSTDICCC010

Tot Ion:	42	Resp:	814157
Ion	Ratio	Lower	Upper
42	100		
72	40.5	30.4	45.6
71	37.8	28.6	43.0

Manual Integrations
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MMdadoda
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#42

Bromodichloromethane

Concen: 9.63 ppbv

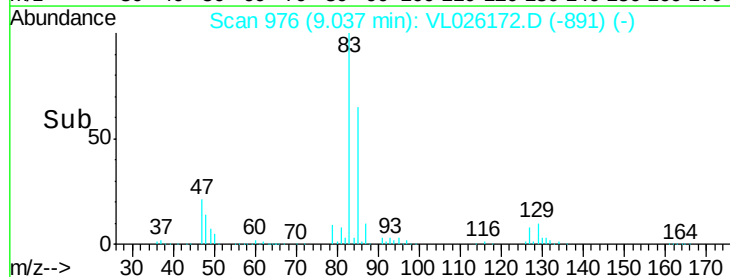
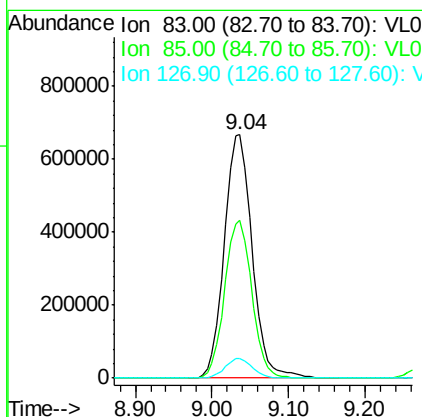
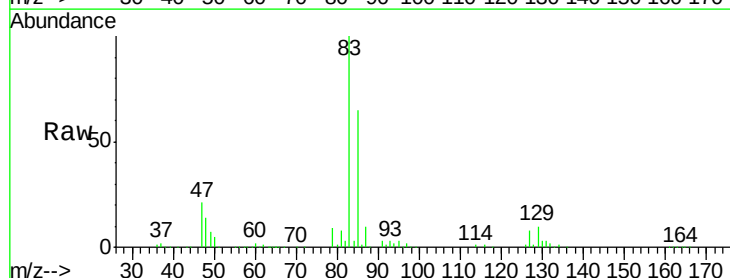
RT: 9.04 min Scan# 976

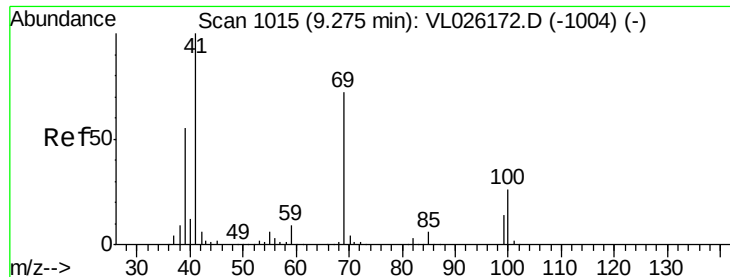
Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Tgt Ion:	83	Resp:	1683937
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8
127	7.8	6.3	9.5





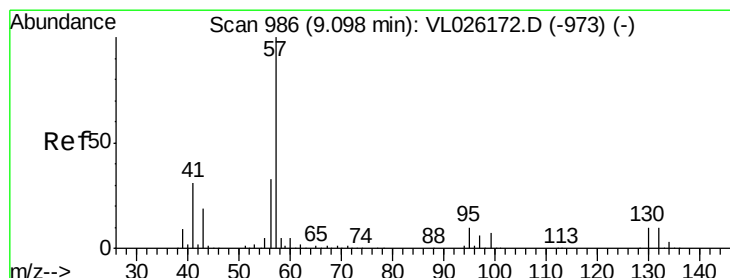
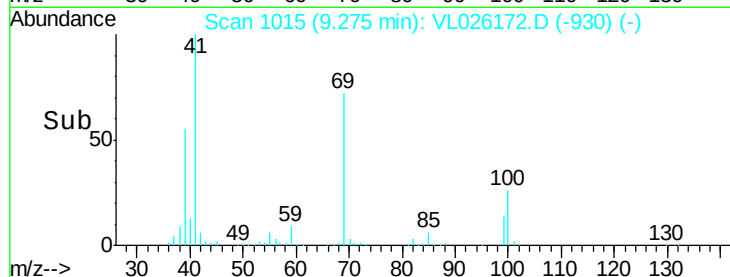
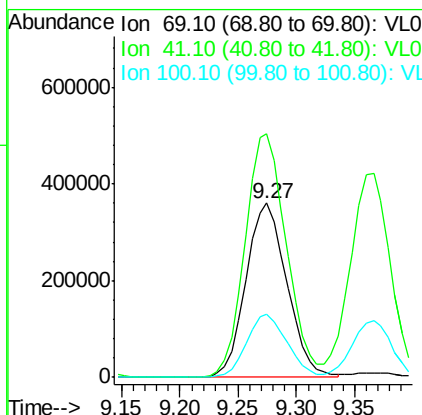
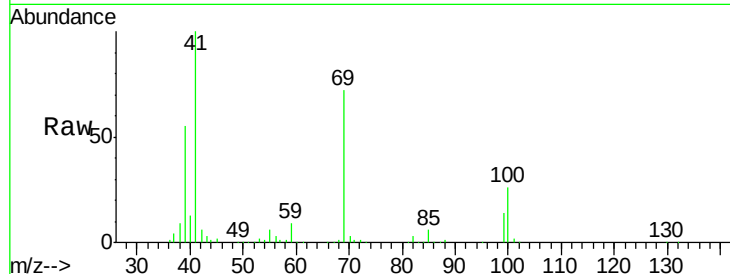
#43
Methvl Methacrylate
Concen: 9.34 ppbv
RT: 9.27 min Scan# 1015
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	139.4	116.6	174.8
100	35.5	28.2	42.4

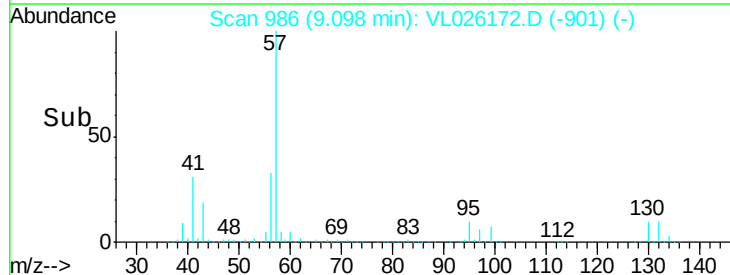
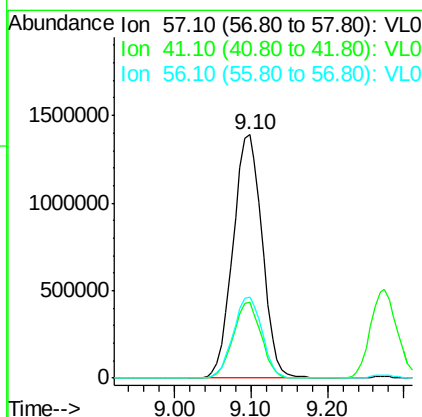
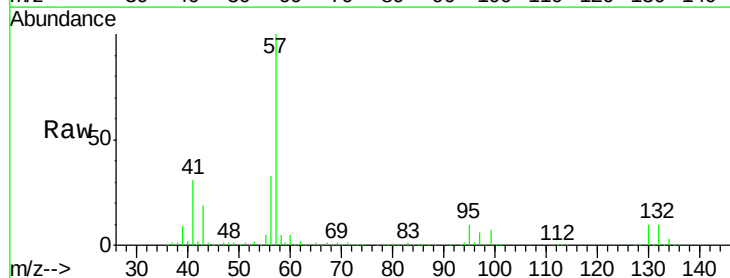
Manual Integrations
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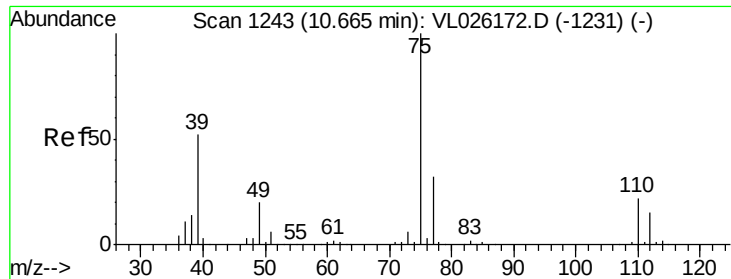
MMdadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.15 ppbv
RT: 9.10 min Scan# 986
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	29.6	23.1	34.7
56	33.0	26.7	40.1





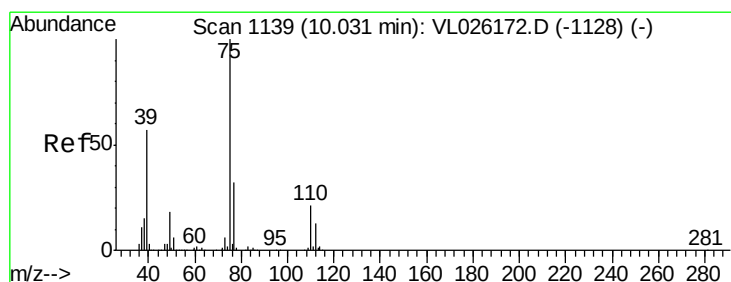
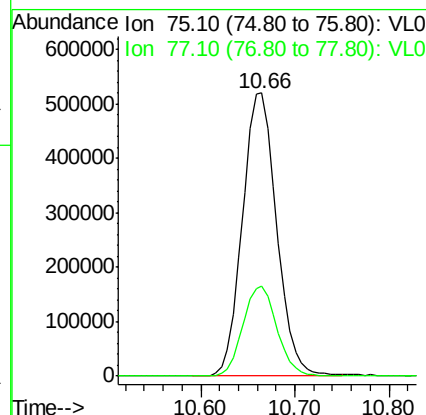
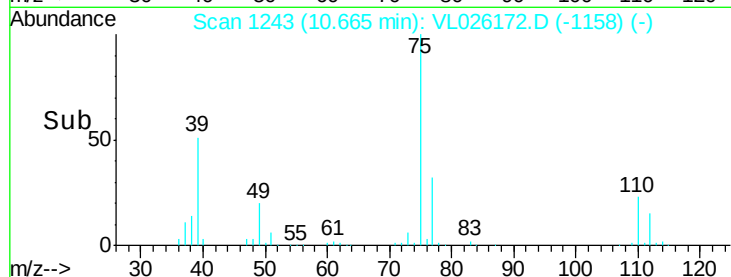
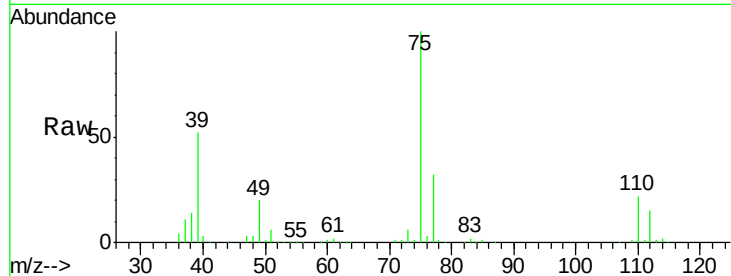
#45
 t-1,3-Dichloropropene
 Concen: 10.73 ppbv
 RT: 10.66 min Scan# 1243
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 75 Resp: 1325696
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.0 37.4

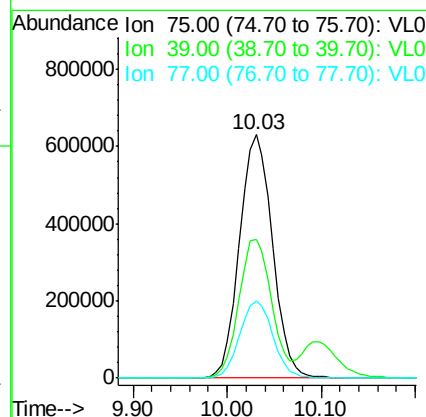
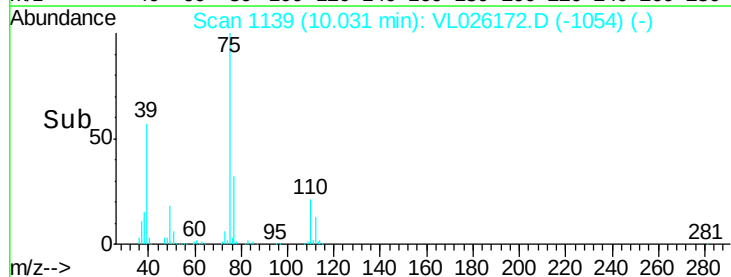
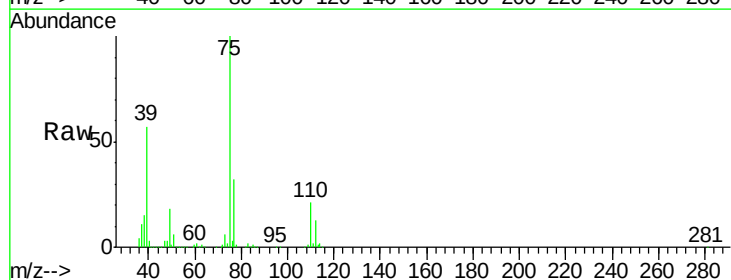
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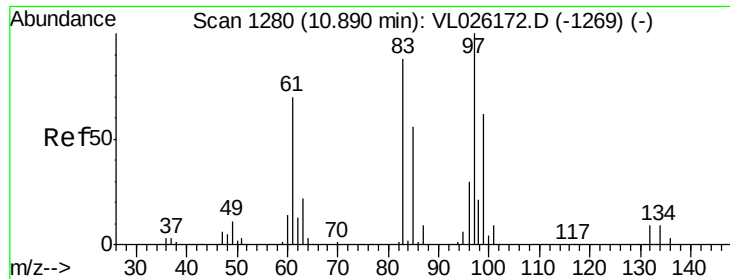
MMdadoda
 10/12/2015 1:25:30 PM



#46
 cis-1,3-Dichloropropene
 Concen: 10.09 ppbv
 RT: 10.03 min Scan# 1139
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Tgt Ion: 75 Resp: 1545373
 Ion Ratio Lower Upper
 75 100
 39 56.8 47.3 70.9
 77 31.8 25.6 38.4





#47

1,1,2-Trichloroethane

Concen: 9.05 ppbv

RT: 10.89 min Scan# 1280

Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 97 Resp: 1023306

Ion Ratio Lower Upper

97 100

83 88.3 71.1 106.7

85 56.4 45.8 68.6

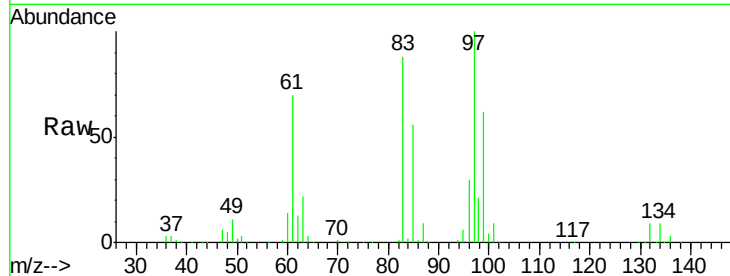
99 62.4 49.9 74.9

Manual Integrations

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MMdadoda

10/12/2015 1:25:30 PM

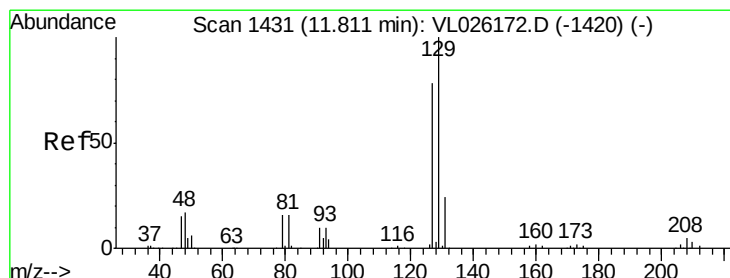
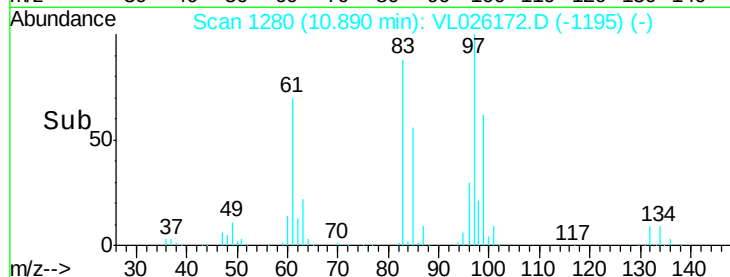
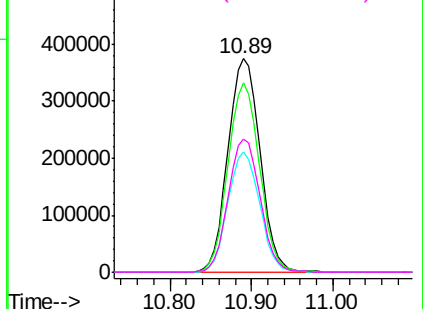


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.42 ppbv

RT: 11.81 min Scan# 1431

Delta R.T. 0.02 min

Lab File: VL026172.D

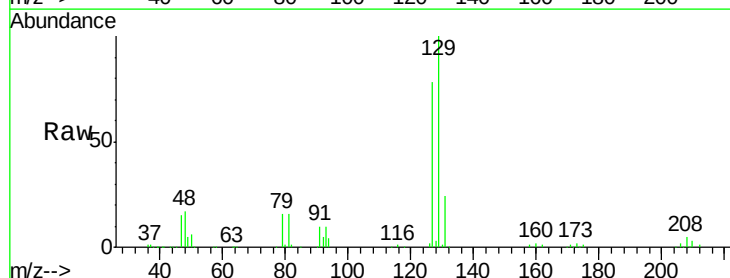
Acq: 9 Oct 2015 10:59

Tgt Ion: 129 Resp: 1596902

Ion Ratio Lower Upper

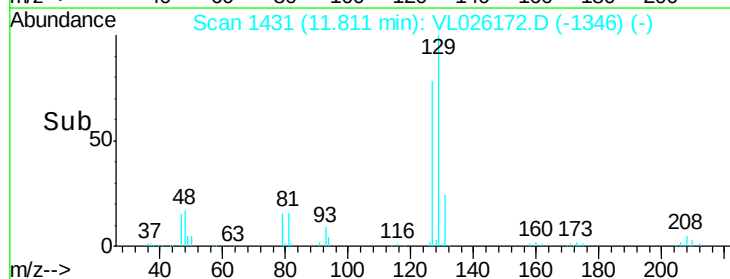
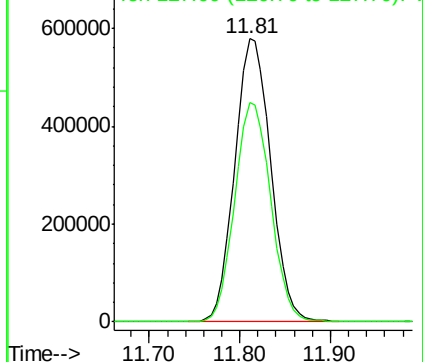
129 100

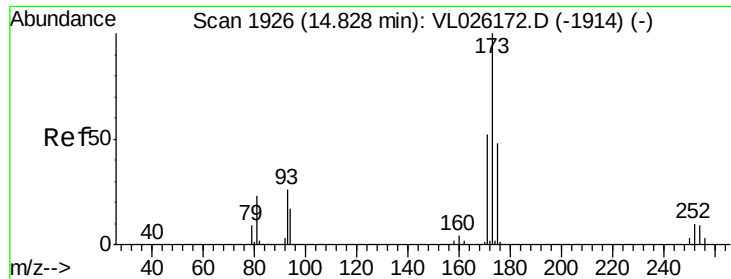
127 78.0 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





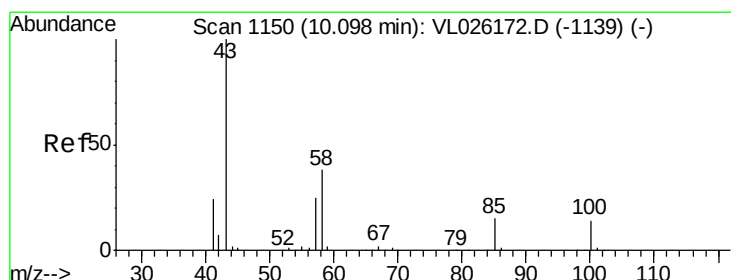
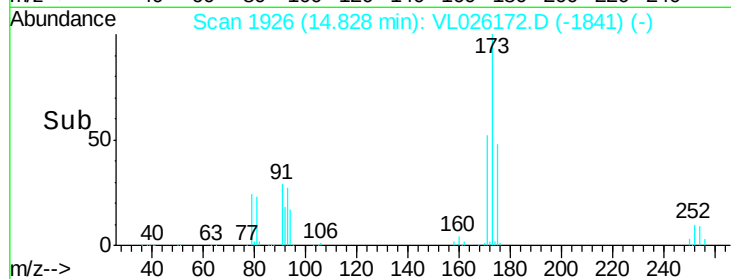
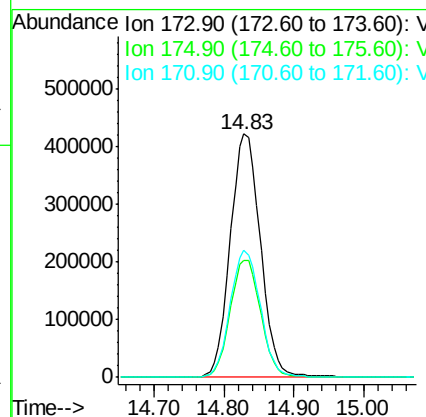
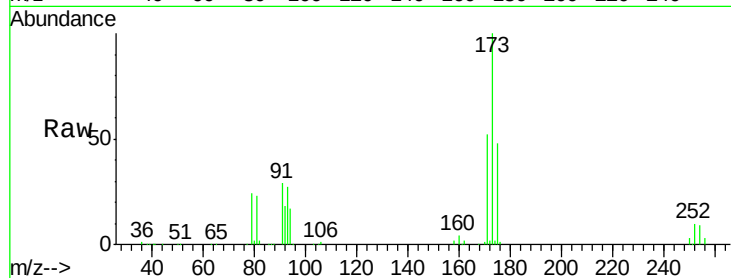
#49
Bromoform
Concen: 11.17 ppbv
RT: 14.83 min Scan# 1926
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:173 Resp: 1269661
Ion Ratio Lower Upper
173 100
175 48.8 39.1 58.7
171 52.4 41.5 62.3

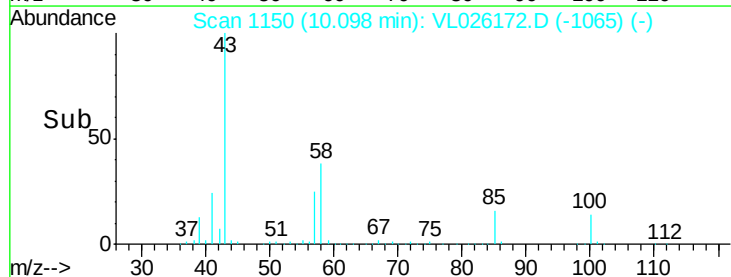
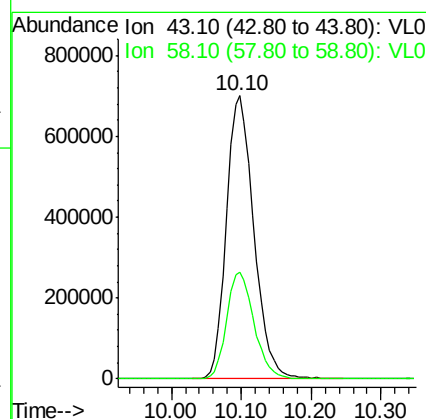
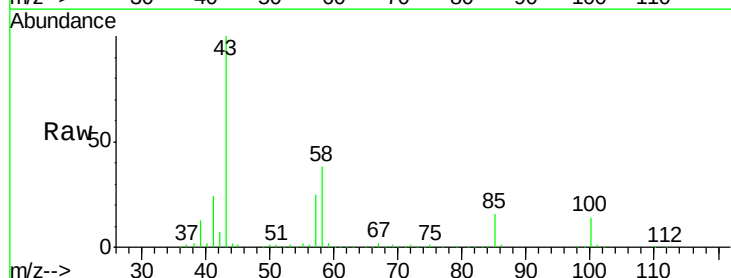
Manual Integrations
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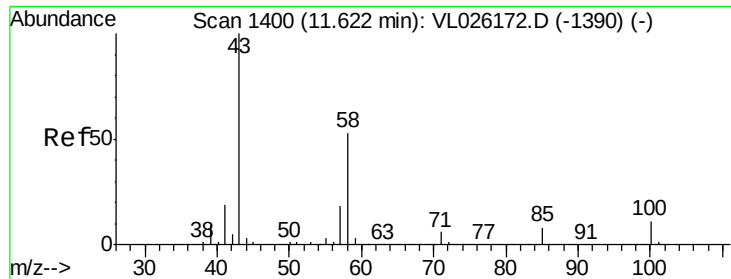
MMdadoda
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#50
4-Methyl-2-Pentanone
Concen: 8.80 ppbv
RT: 10.10 min Scan# 1150
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Tgt Ion: 43 Resp: 1901105
Ion Ratio Lower Upper
43 100
58 38.0 29.8 44.8





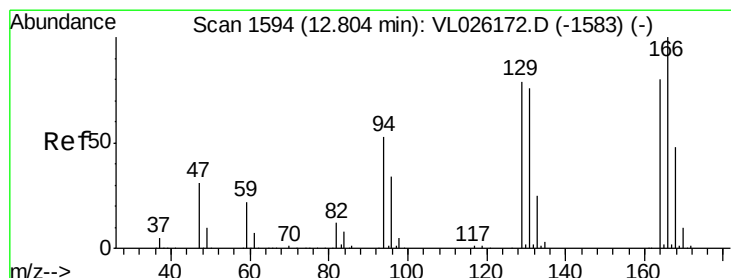
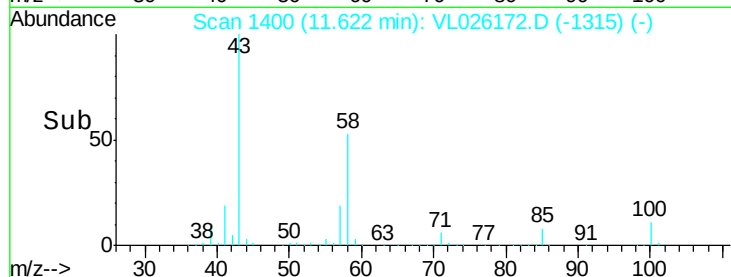
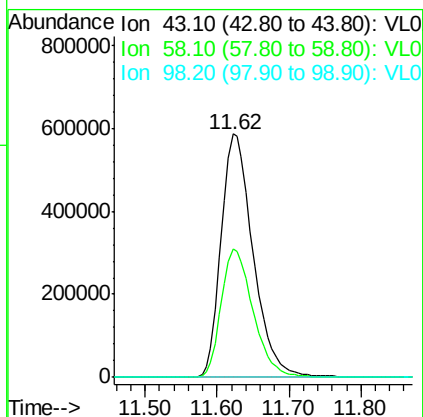
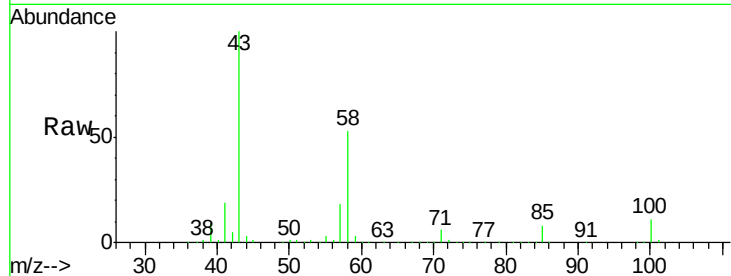
#51
2-Hexanone
Concen: 9.16 ppbv
RT: 11.62 min Scan# 1400
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1812448
Ion Ratio Lower Upper
43 100
58 52.8 41.4 62.2
98 0.2 0.1 0.1#

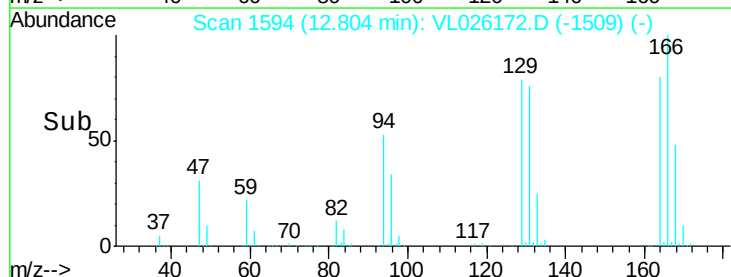
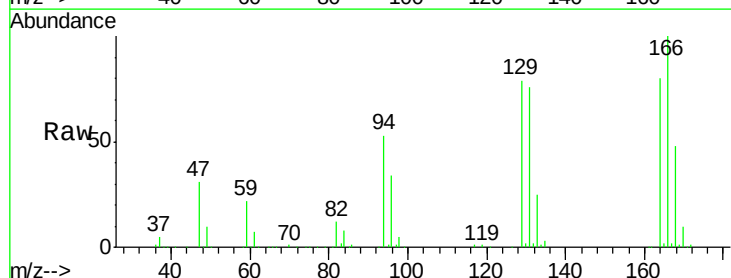
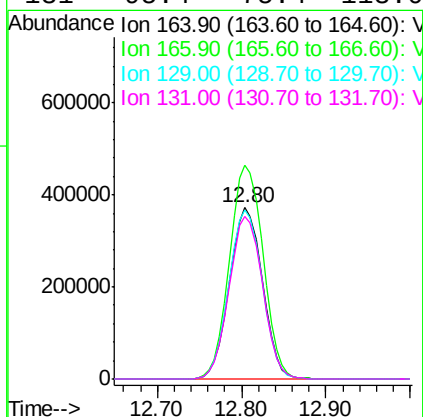
Manual Integrations
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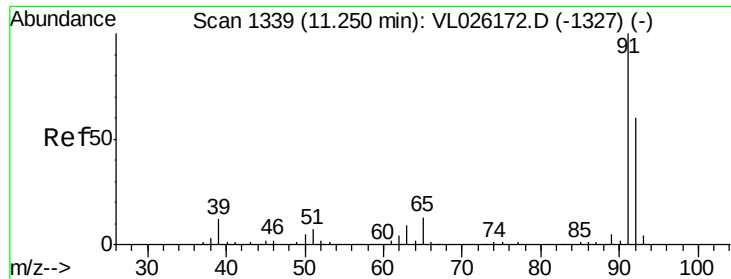
MMdadoda
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#52
Tetrachloroethene
Concen: 8.18 ppbv
RT: 12.80 min Scan# 1594
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Tgt Ion: 164 Resp: 988158
Ion Ratio Lower Upper
164 100
166 124.9 102.0 153.0
129 98.9 79.3 118.9
131 95.4 75.4 113.0





#53

Toluene

Concen: 9.08 ppbv

RT: 11.25 min Scan# 1339

Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3048282

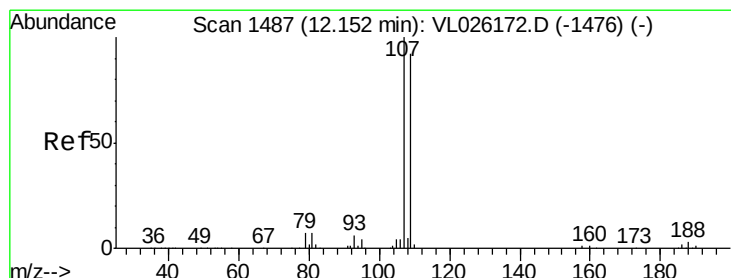
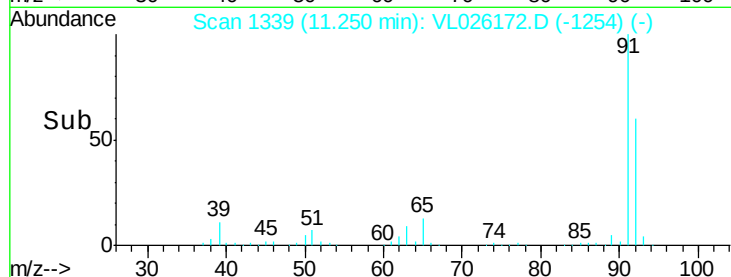
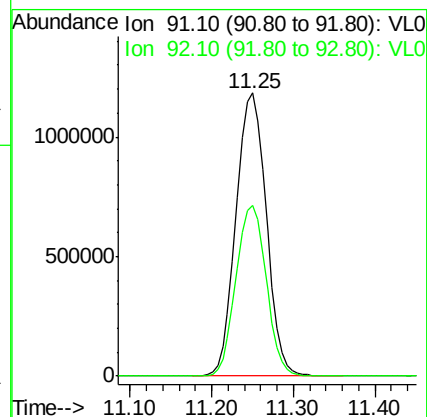
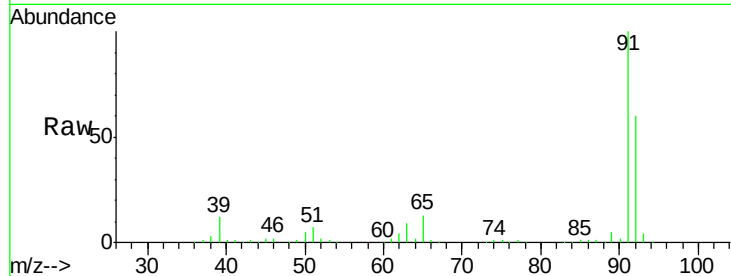
Ion Ratio Lower Upper

91 100

92 60.6 48.7 73.1

Manual Integrations
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MMdadoda
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#54

1,2-Dibromoethane

Concen: 9.28 ppbv

RT: 12.15 min Scan# 1487

Delta R.T. 0.02 min

Lab File: VL026172.D

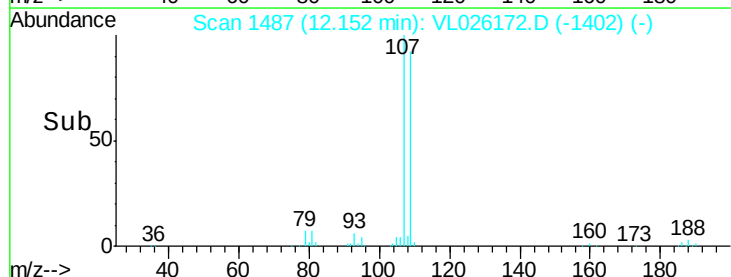
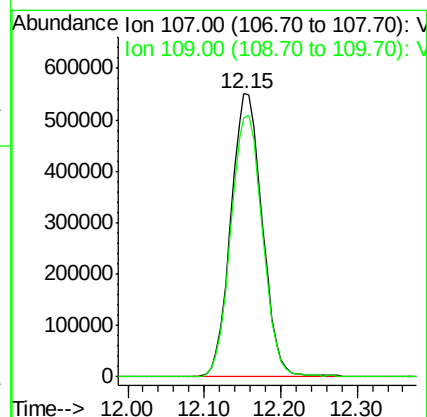
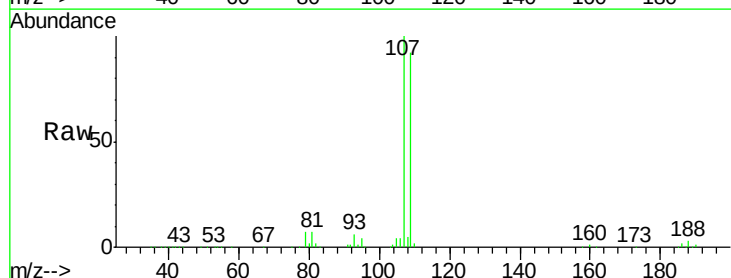
Acq: 9 Oct 2015 10:59

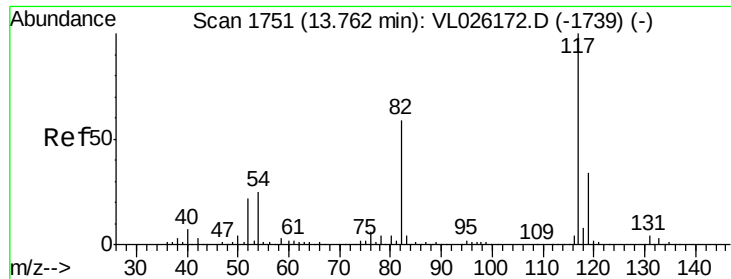
Tgt Ion: 107 Resp: 1564695

Ion Ratio Lower Upper

107 100

109 91.5 74.0 111.0





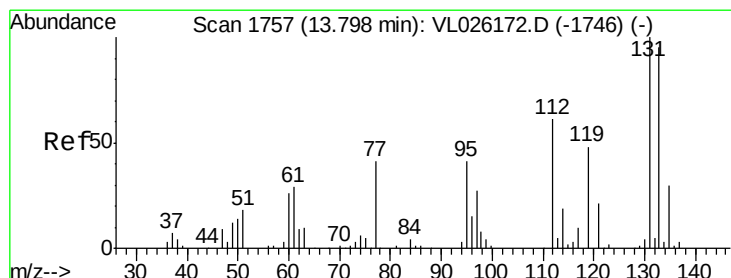
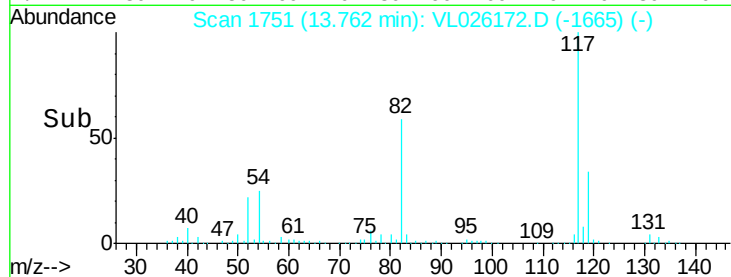
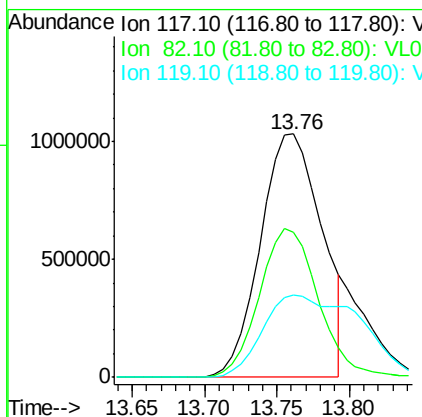
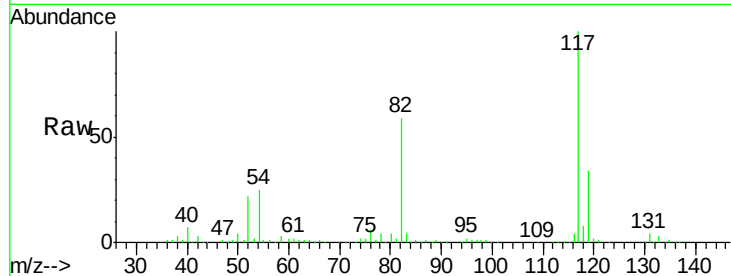
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.76 min Scan# 1751
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 3033038
Ion Ratio Lower Upper
117 100
82 59.6 49.7 74.5
119 54.6 46.2 69.4

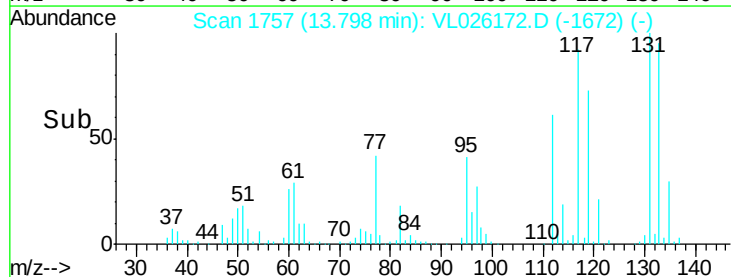
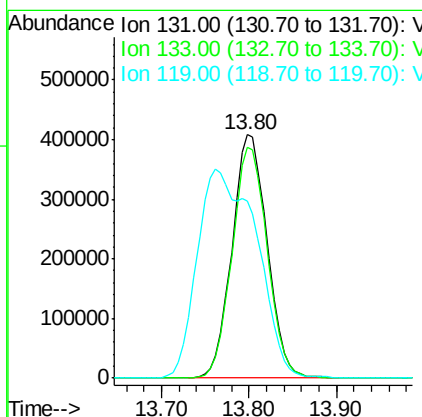
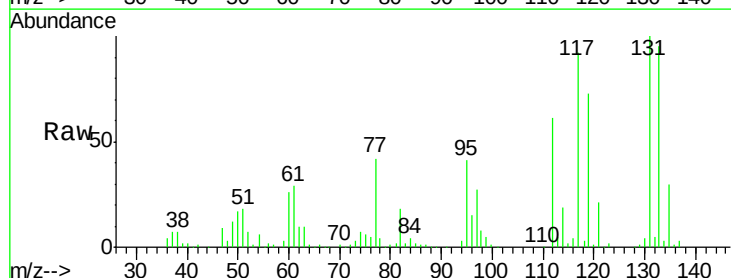
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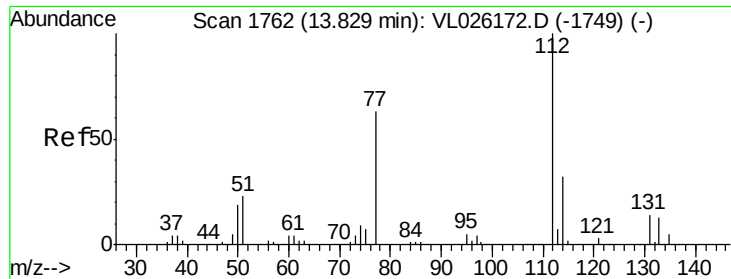
MMdadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.08 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Tgt Ion:131 Resp: 1141836
Ion Ratio Lower Upper
131 100
133 95.6 76.2 114.2
119 145.0 115.2 172.8





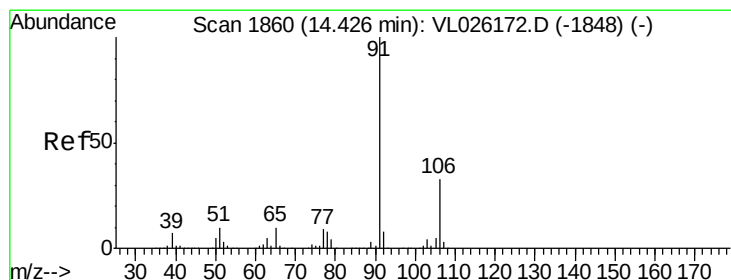
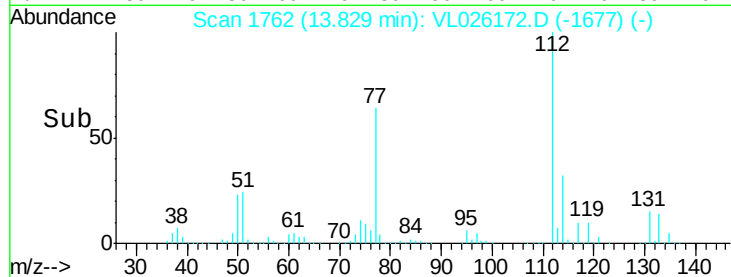
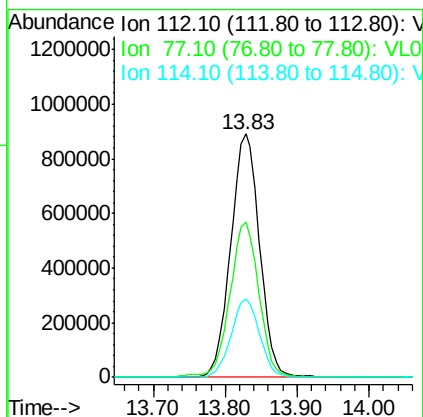
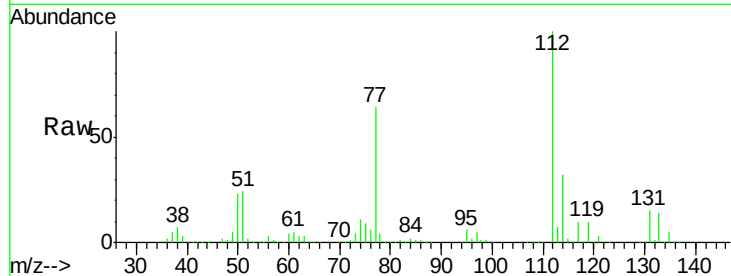
#57
Chlorobenzene
Concen: 8.26 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	63.7	51.0	76.6
114	32.2	29.3	35.9

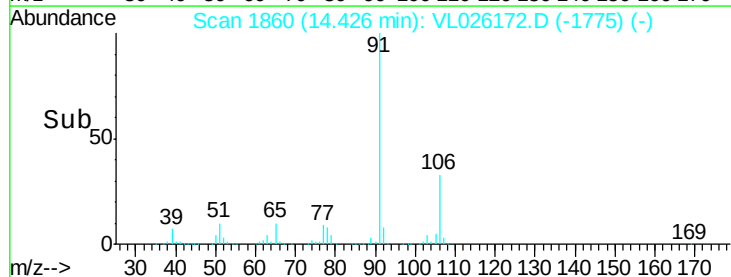
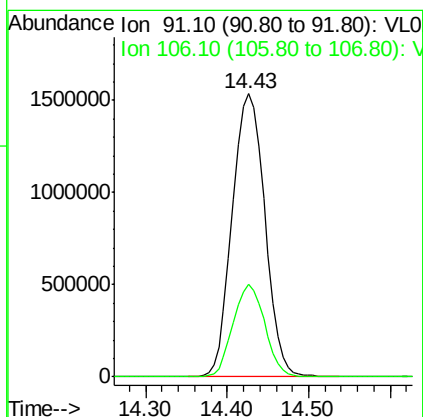
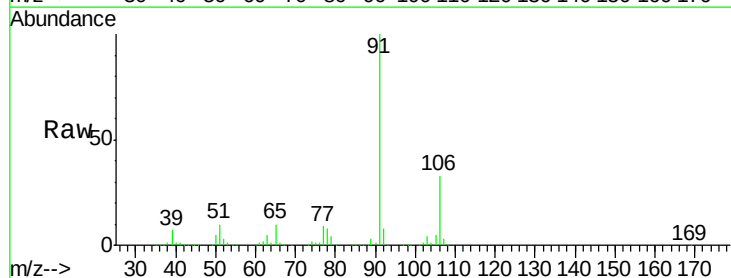
Manual Integrations
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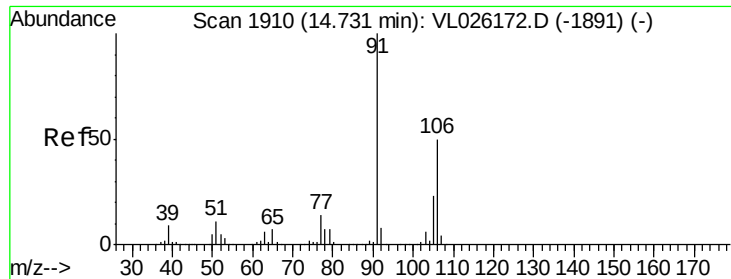
MMdadoda
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#58
Ethyl Benzene
Concen: 8.51 ppbv
RT: 14.43 min Scan# 1860
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.7	38.5





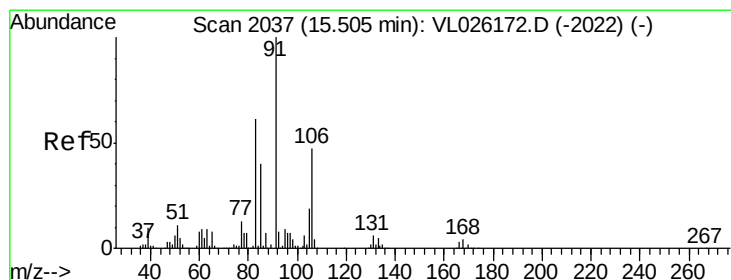
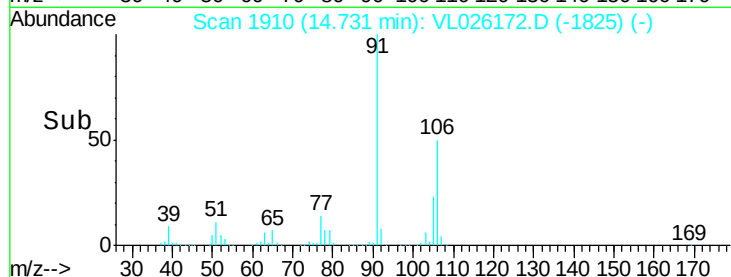
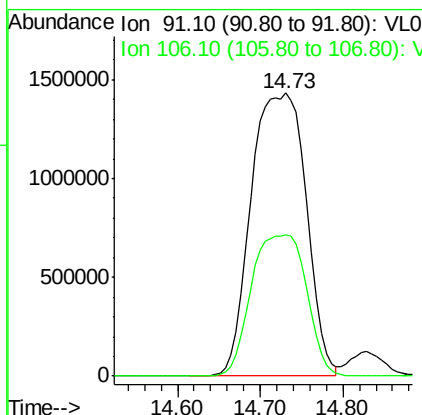
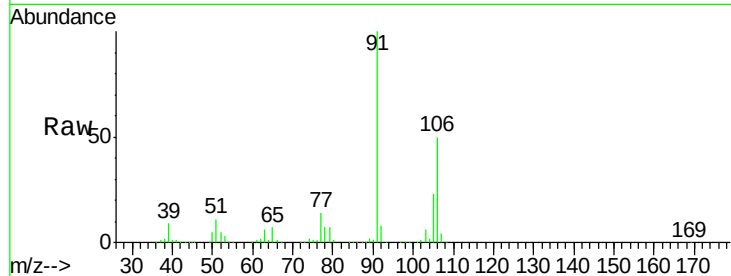
#59
m/p-Xylene
Concen: 16.68 ppbv m
RT: 14.73 min Scan# 1910
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 6601395
Ion Ratio Lower Upper
91 100
106 50.3 40.4 60.6

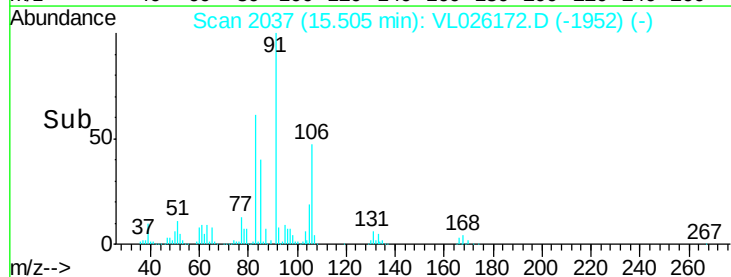
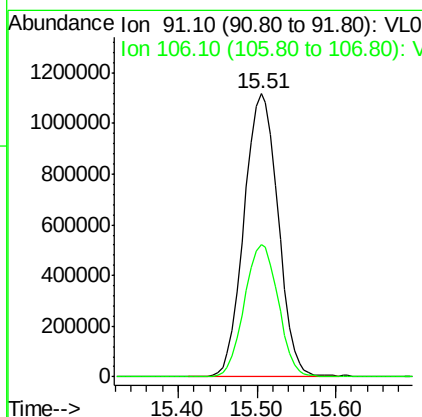
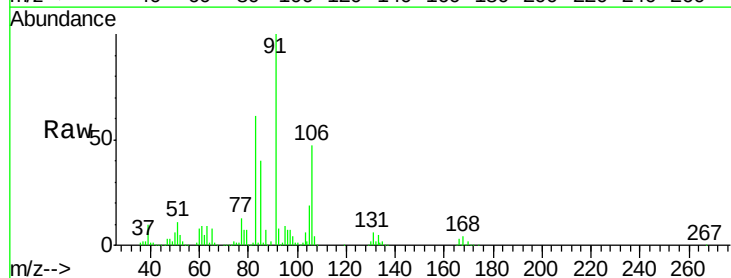
Manual Integrations
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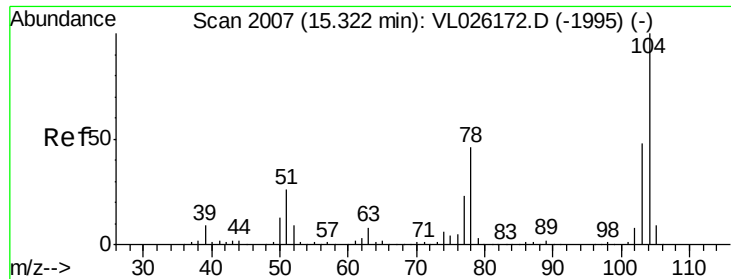
MMdadoda
10/12/2015 1:25:30 PM



#60
o-Xylene
Concen: 8.16 ppbv
RT: 15.51 min Scan# 2037
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Tgt Ion: 91 Resp: 3354349
Ion Ratio Lower Upper
91 100
106 46.9 23.6 70.8





#61

Stvrene

Concen: 9.31 ppbv

RT: 15.32 min Scan# 2007

Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:104 Resp: 1642434

Ion Ratio Lower Upper

104 100

78 45.1 36.5 54.7

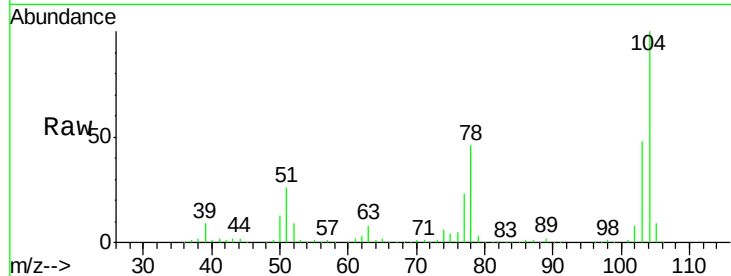
103 46.9 37.0 55.6

Manual Integrations

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MMdadoda

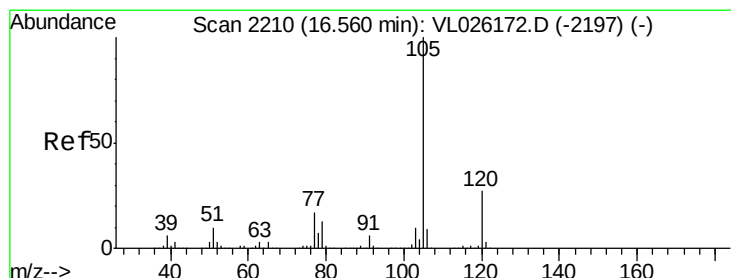
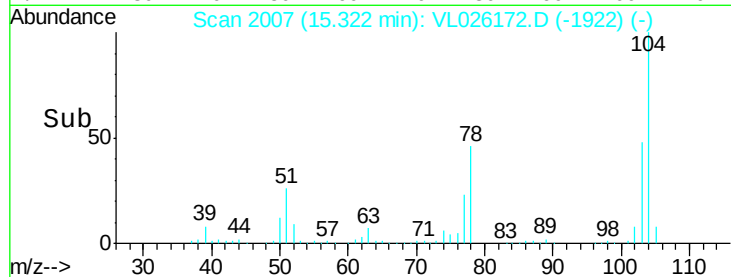
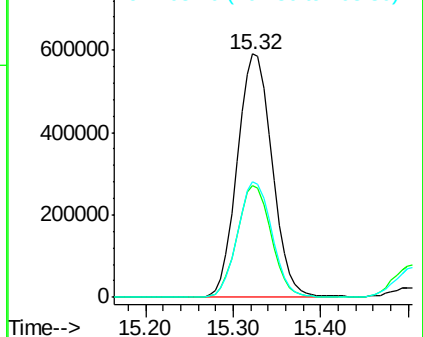
10/12/2015 1:25:30 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.60 ppbv

RT: 16.56 min Scan# 2210

Delta R.T. 0.02 min

Lab File: VL026172.D

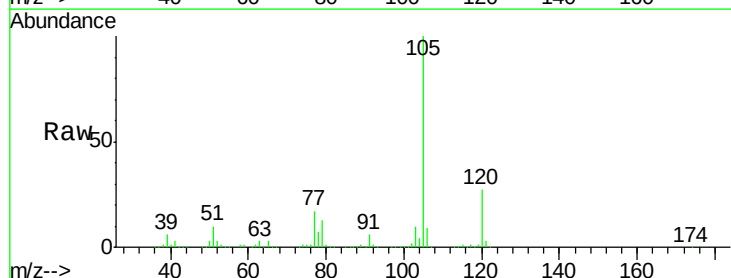
Acq: 9 Oct 2015 10:59

Tgt Ion:105 Resp: 4643491

Ion Ratio Lower Upper

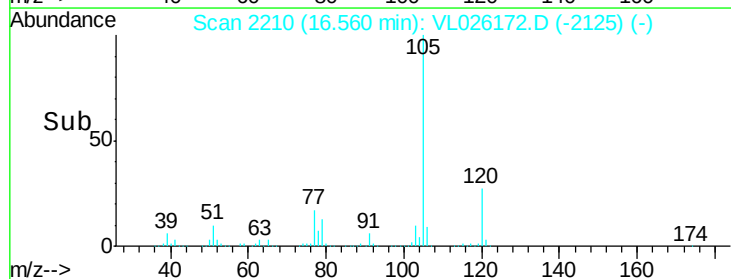
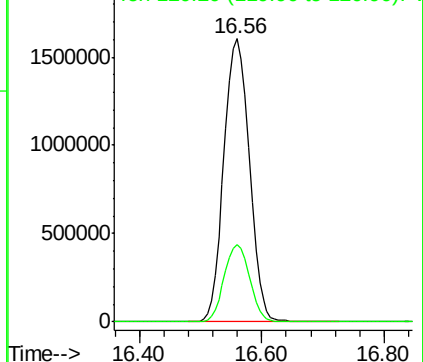
105 100

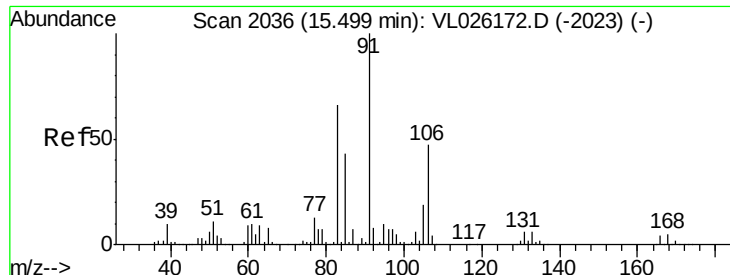
120 27.2 21.4 32.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





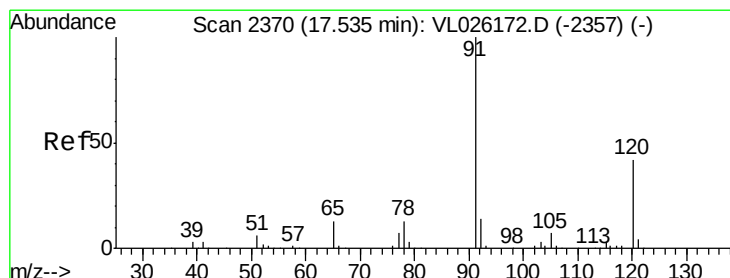
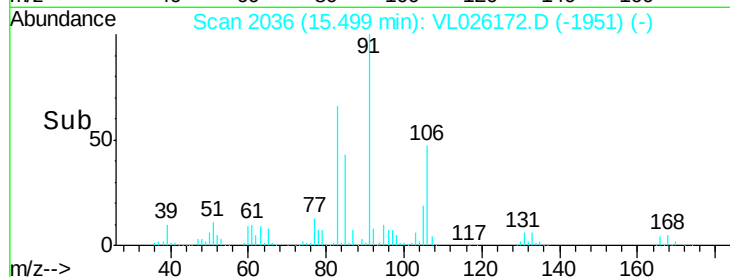
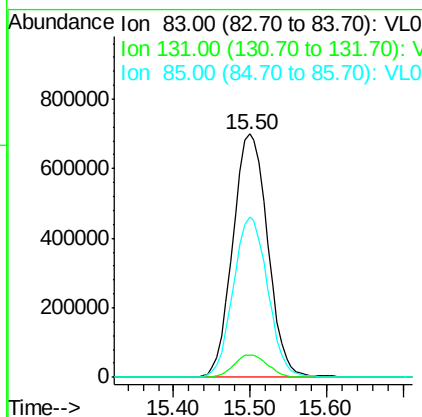
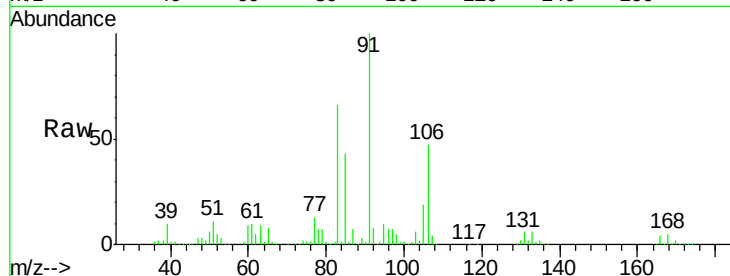
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.05 ppbv
 RT: 15.50 min Scan# 2036
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 83 Resp: 2219915
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.5 13.5
 85 65.1 32.4 97.2

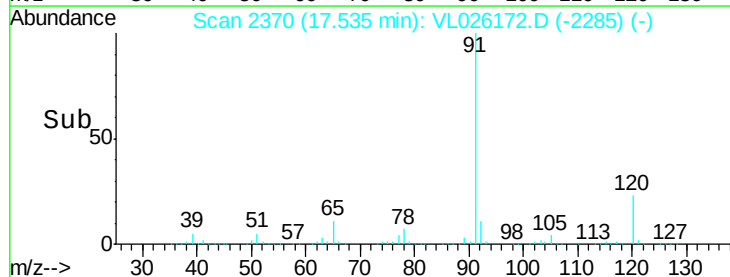
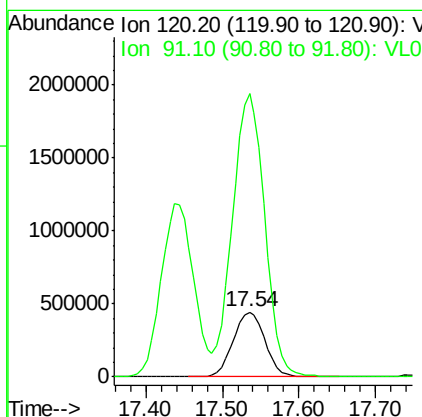
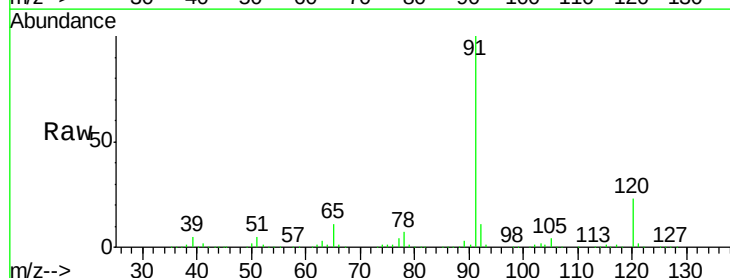
Manual Integrations
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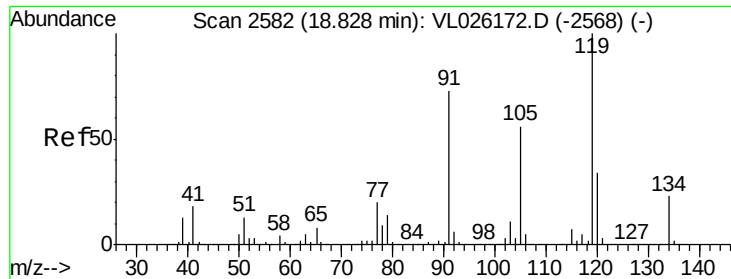
MMdadoda
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#64
 n-propylbenzene
 Concen: 8.89 ppbv
 RT: 17.54 min Scan# 2370
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Tgt Ion: 120 Resp: 1282040
 Ion Ratio Lower Upper
 120 100
 91 441.8 354.0 531.0





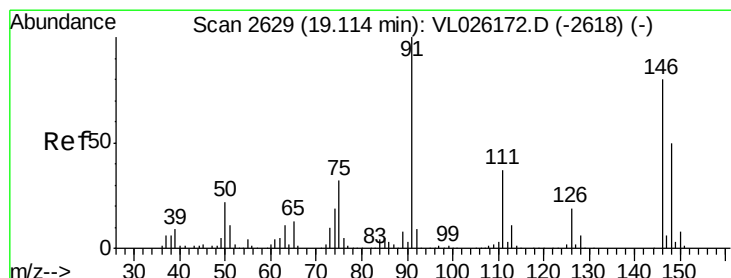
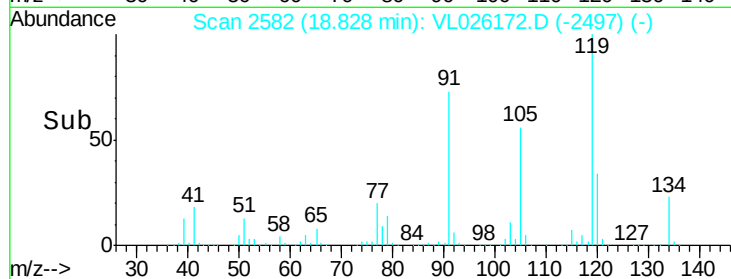
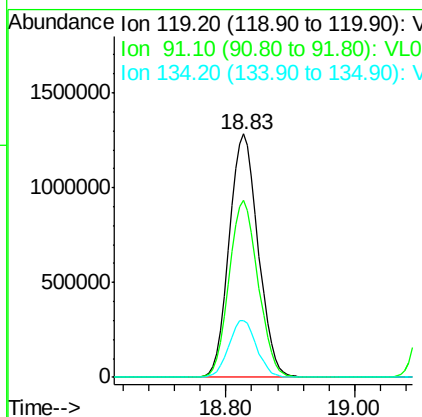
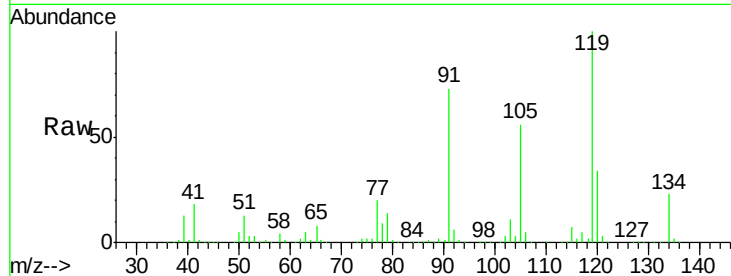
#65
 tert-Butylbenzene
 Concen: 8.50 ppbv
 RT: 18.83 min Scan# 2582
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:119 Resp: 4021538
 Ion Ratio Lower Upper
 119 100
 91 73.1 58.7 88.1
 134 22.5 18.1 27.1

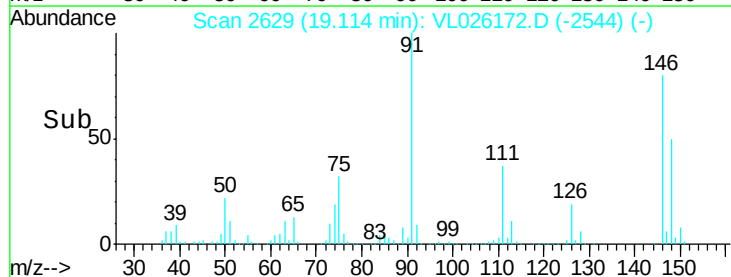
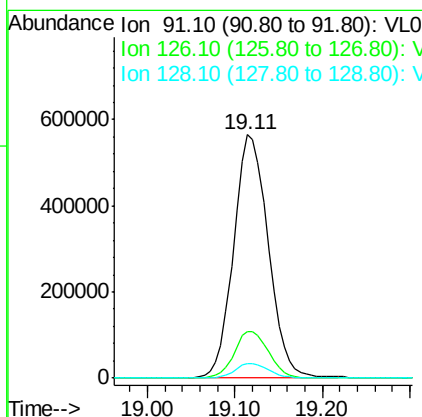
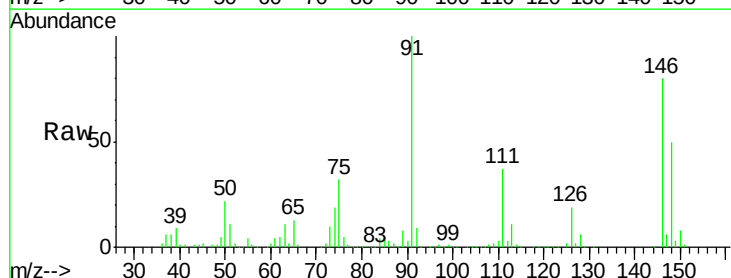
Manual Integrations
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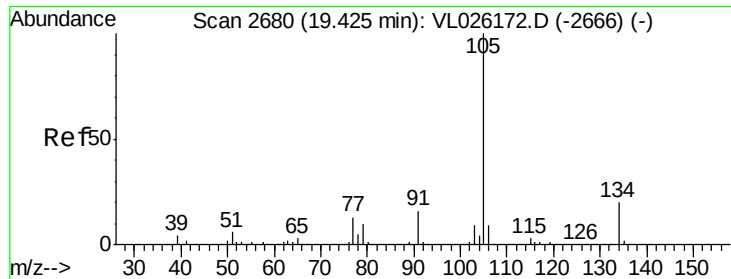
MMdadoda
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#66
 Benzyl Chloride
 Concen: 12.09 ppbv
 RT: 19.11 min Scan# 2629
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Tgt Ion: 91 Resp: 1556345
 Ion Ratio Lower Upper
 91 100
 126 19.0 14.6 22.0
 128 6.0 4.7 7.1





#67

sec-Butylbenzene

Concen: 8.66 ppbv

RT: 19.43 min Scan# 2680

Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 5787887

Ion Ratio Lower Upper

105 100

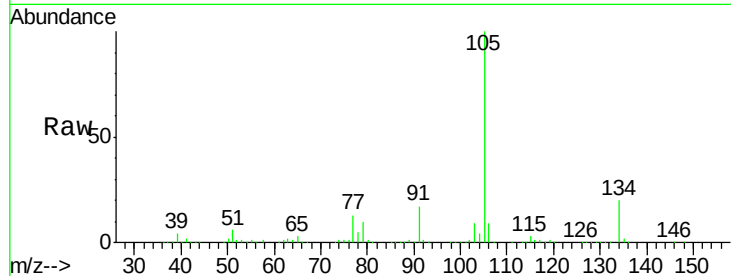
134 19.9 15.7 23.5

Manual Integrations

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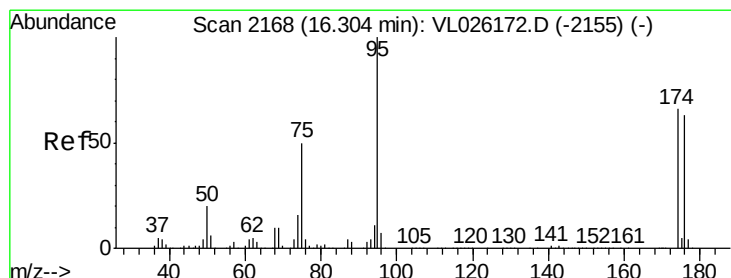
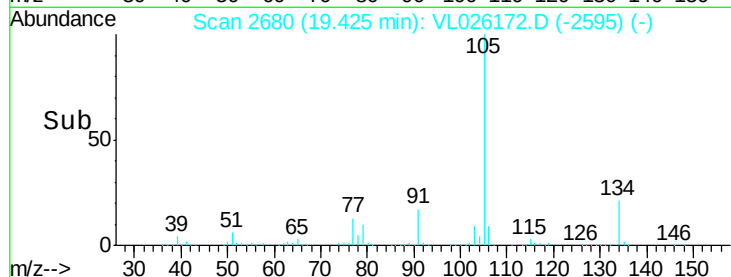
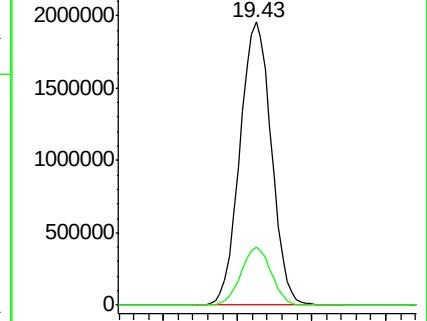
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.33 ppbv

RT: 16.30 min Scan# 2168

Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

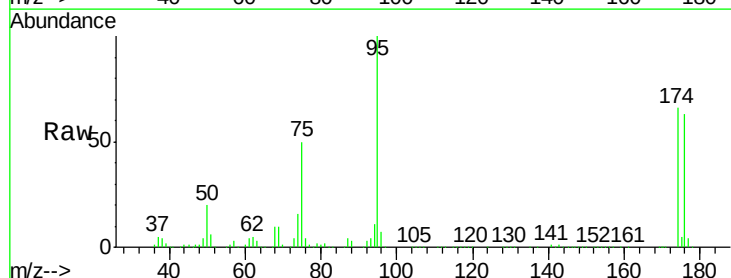
Tgt Ion: 95 Resp: 2313097

Ion Ratio Lower Upper

95 100

174 65.3 50.6 76.0

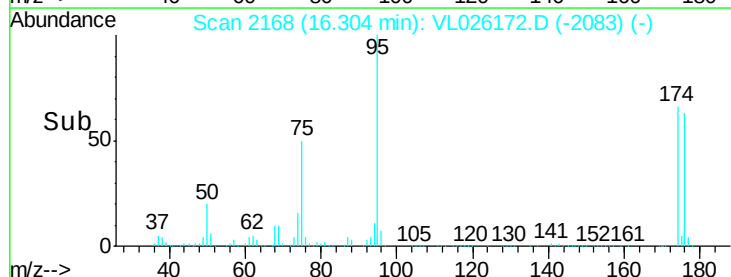
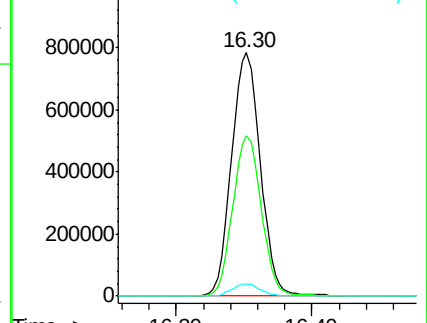
175 4.9 3.8 5.6

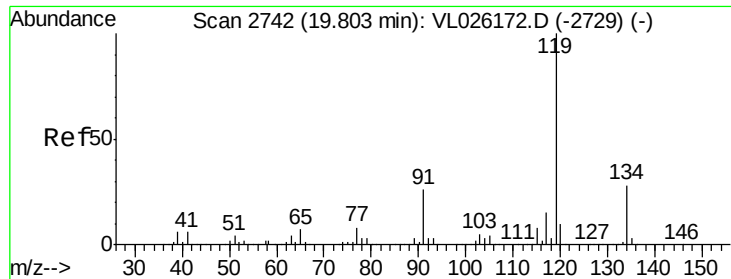


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





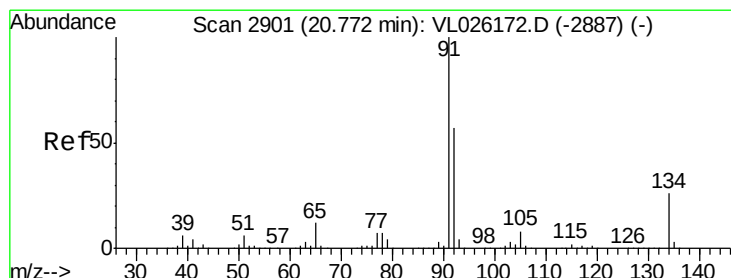
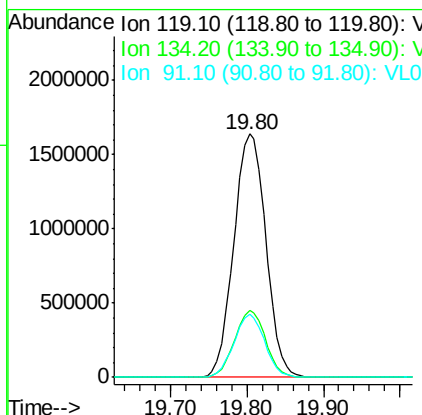
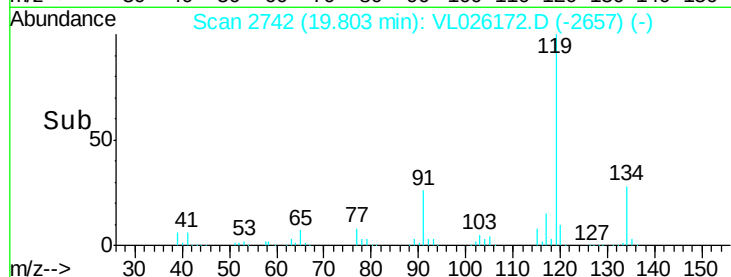
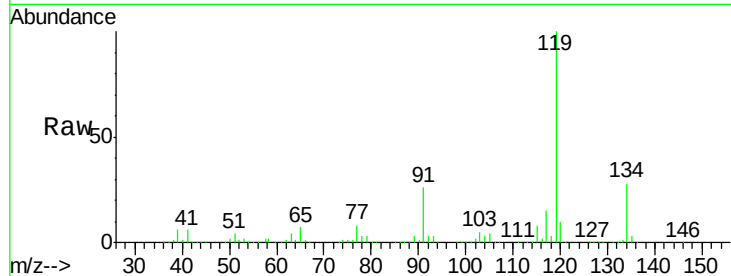
#69
 p-Isopropyltoluene
 Concen: 8.81 ppbv
 RT: 19.80 min Scan# 2742
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 119 Resp: 4762638
 Ion Ratio Lower Upper
 119 100
 134 26.7 21.2 31.8
 91 24.9 20.2 30.4

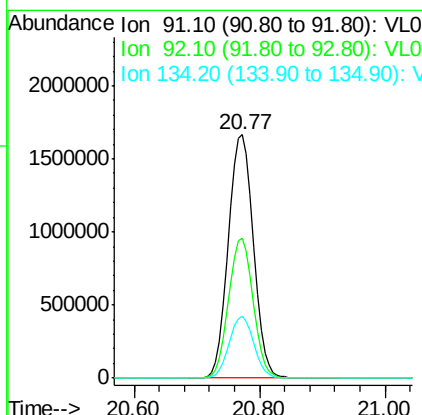
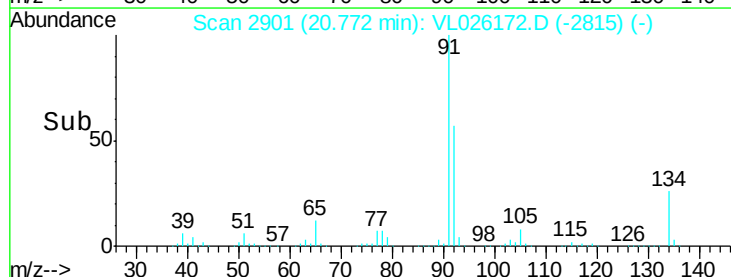
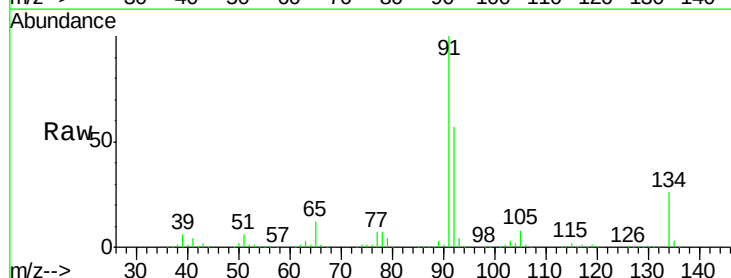
Manual Integrations
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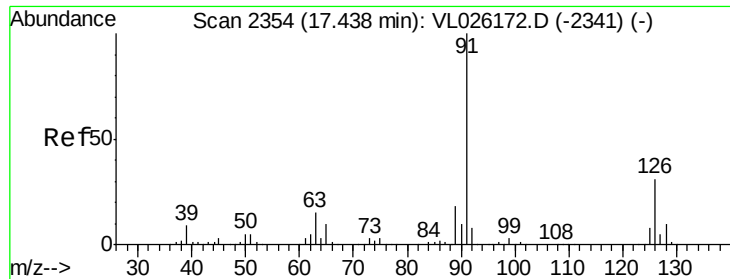
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#70
 n-Butylbenzene
 Concen: 8.55 ppbv
 RT: 20.77 min Scan# 2901
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Tgt Ion: 91 Resp: 4619050
 Ion Ratio Lower Upper
 91 100
 92 56.3 44.9 67.3
 134 24.8 19.5 29.3





#71

2-Chlorotoluene

Concen: 8.55 ppbv

RT: 17.44 min Scan# 2354

Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3510690

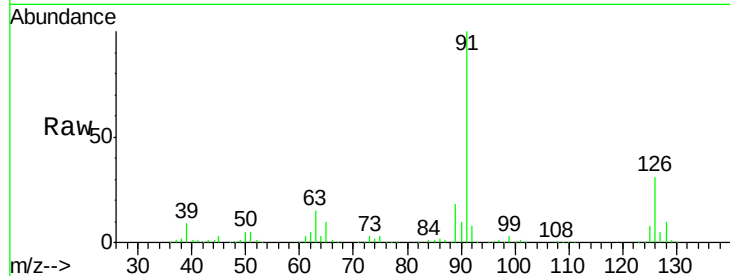
Ion Ratio Lower Upper

91 100

126 32.0 12.4 49.6

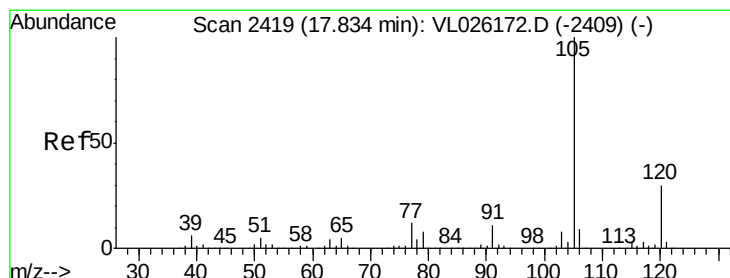
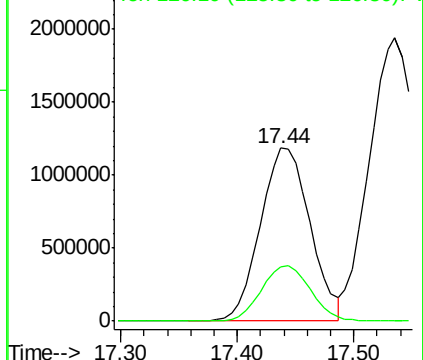
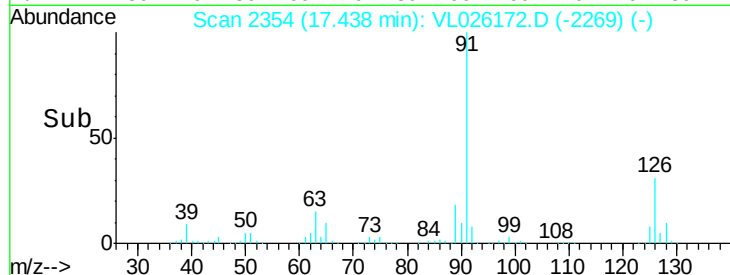
Manual Integrations
APPROVED

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.90 ppbv

RT: 17.83 min Scan# 2419

Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Tgt Ion: 105 Resp: 3994940

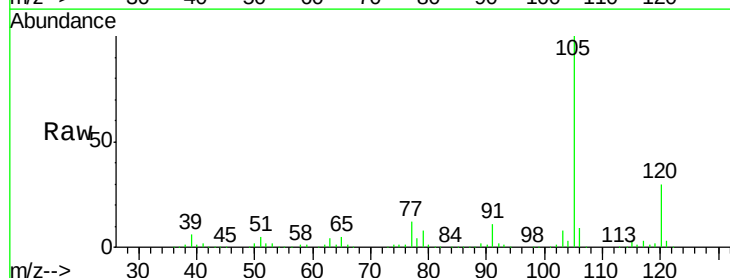
Ion Ratio Lower Upper

105 100

120 30.9 24.6 37.0

91 11.5 9.4 14.0

77 12.3 10.2 15.2

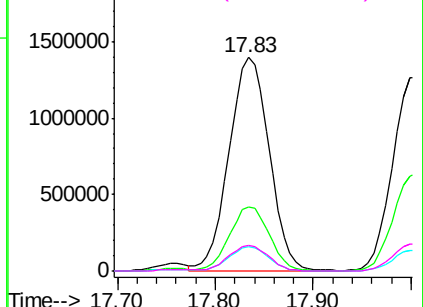
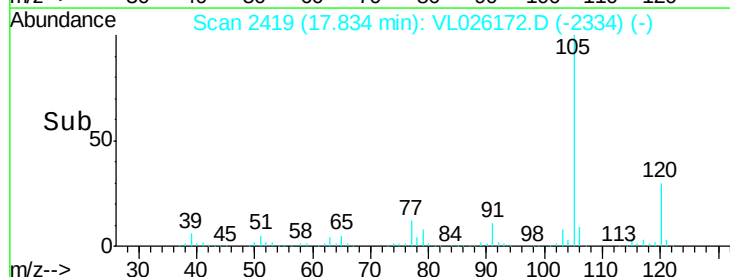


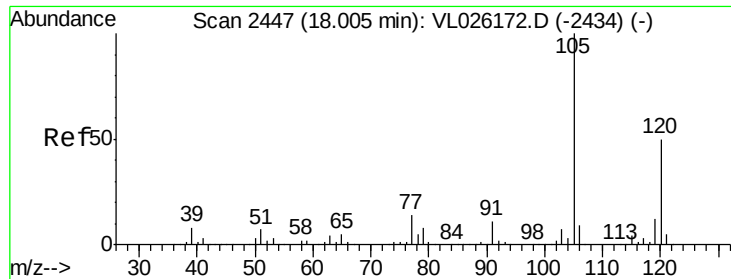
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.84 ppbv

RT: 18.00 min Scan# 2447

Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 3684944

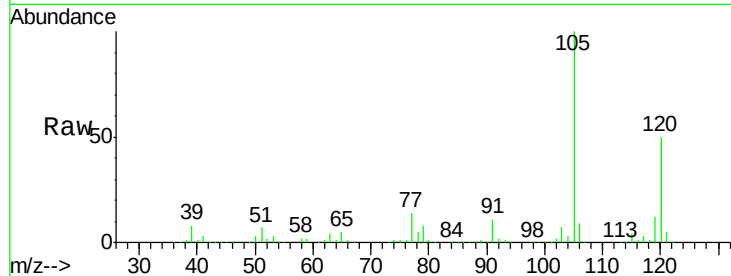
Ion Ratio Lower Upper

105 100

120 50.1 39.8 59.6

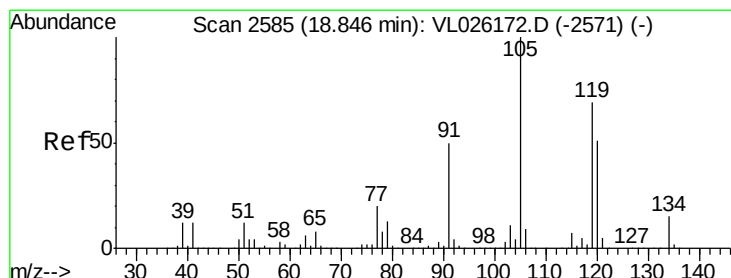
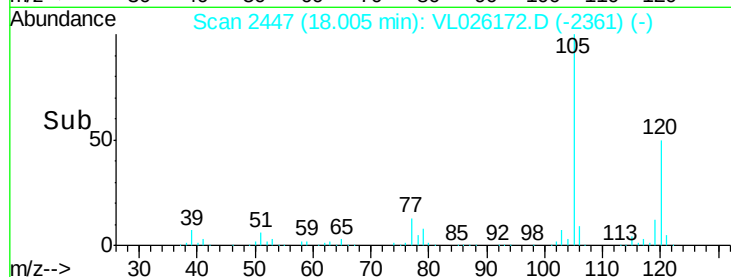
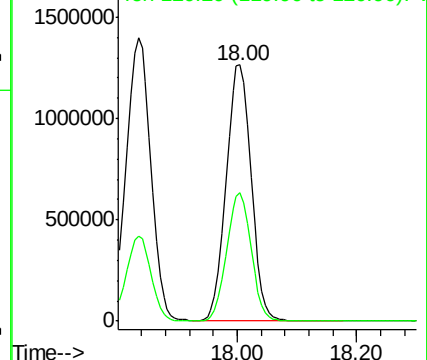
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.30 ppbv

RT: 18.85 min Scan# 2585

Delta R.T. 0.02 min

Lab File: VL026172.D

Acq: 9 Oct 2015 10:59

Tgt Ion:105 Resp: 3626328

Ion Ratio Lower Upper

105 100

120 51.4 40.9 61.3

91 49.7 37.4 56.0

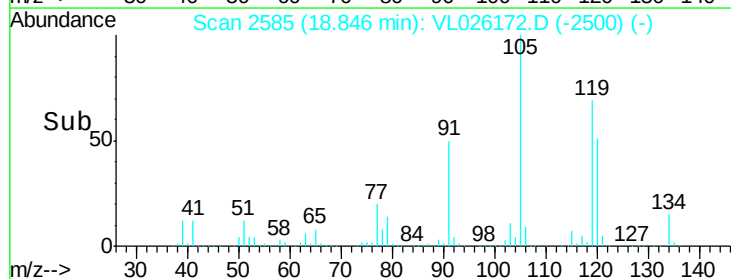
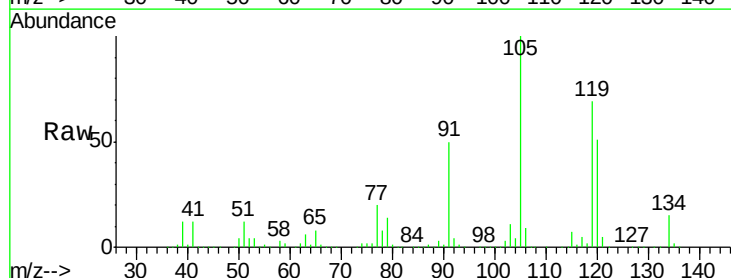
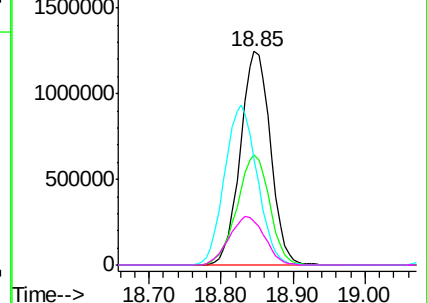
77 20.4 16.5 24.7

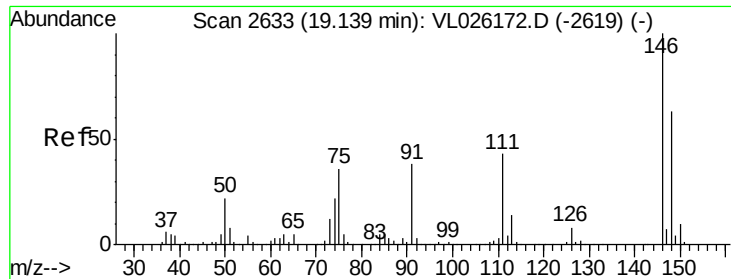
Abundance Ion 105.10 (104.80 to 105.80): V

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





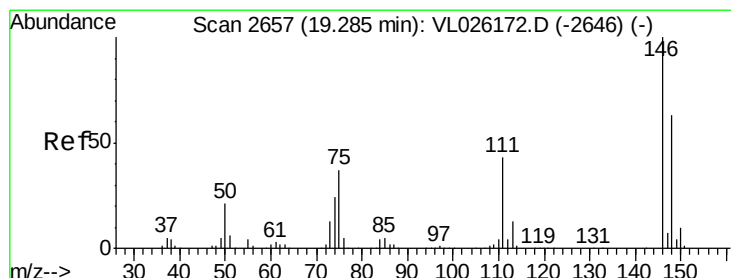
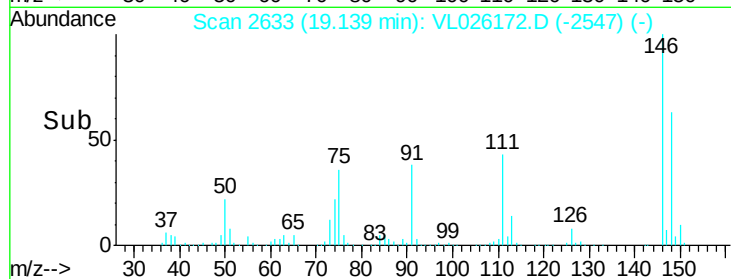
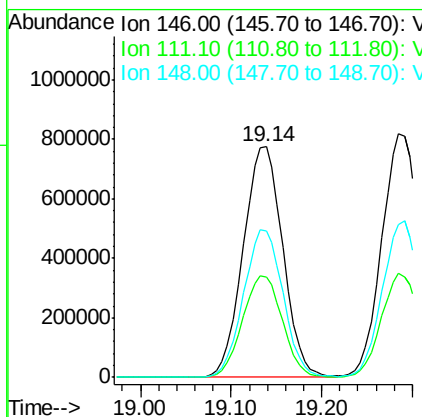
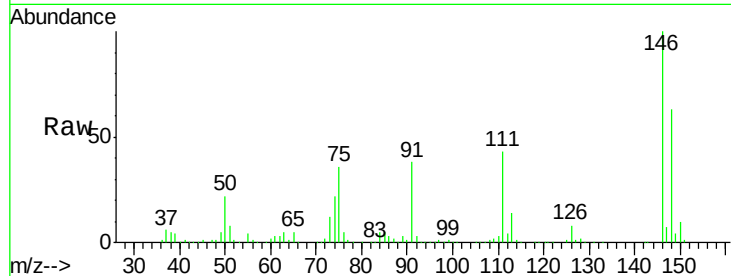
#75
 1,3-Dichlorobenzene
 Concen: 8.67 ppbv
 RT: 19.14 min Scan# 2633
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 2352396
 Ion Ratio Lower Upper
 146 100
 111 44.2 22.3 66.8
 148 63.7 31.5 94.5

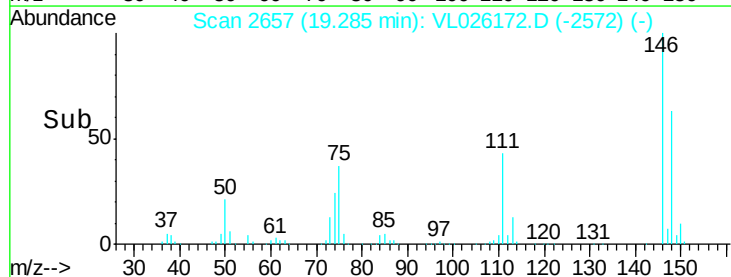
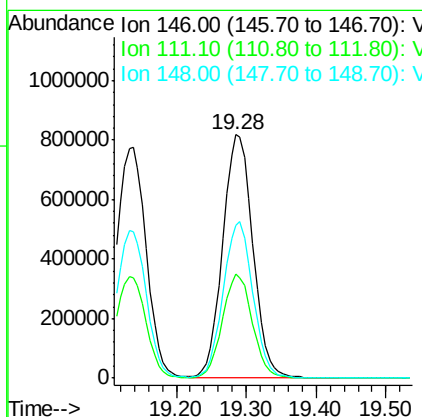
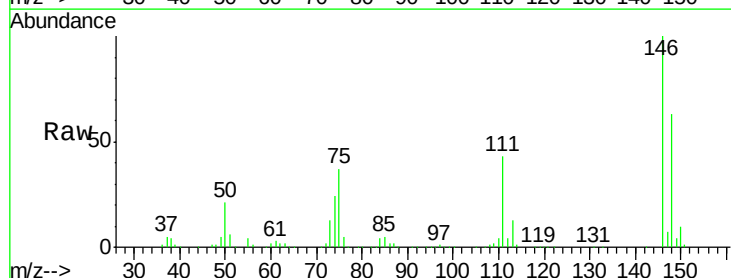
Manual Integrations
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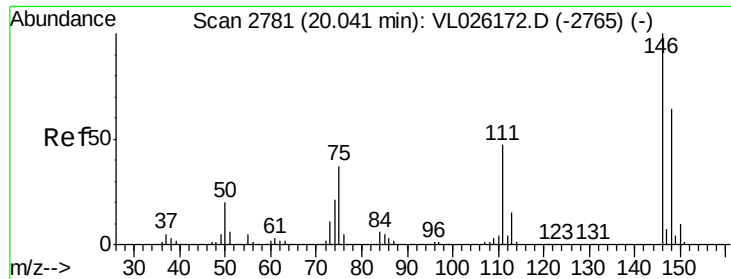
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#76
 1,4-Dichlorobenzene
 Concen: 8.77 ppbv
 RT: 19.28 min Scan# 2657
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Tgt Ion:146 Resp: 2449606
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.6 65.0
 148 63.2 31.6 95.0





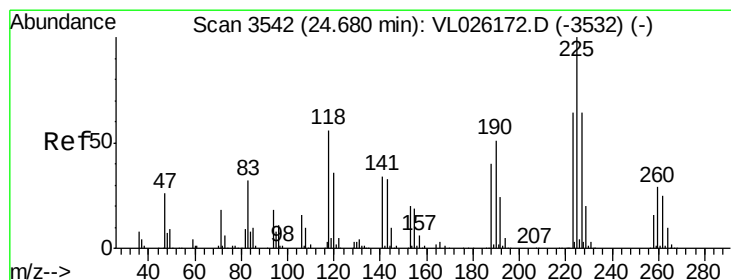
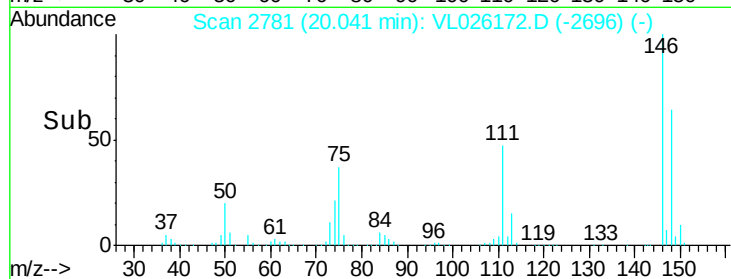
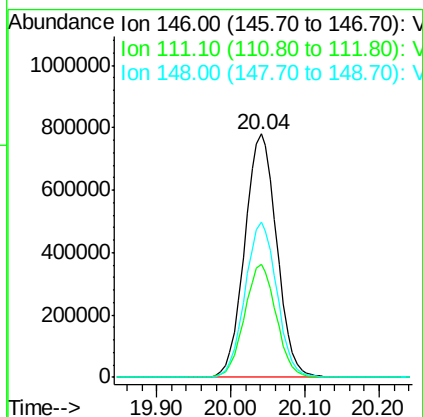
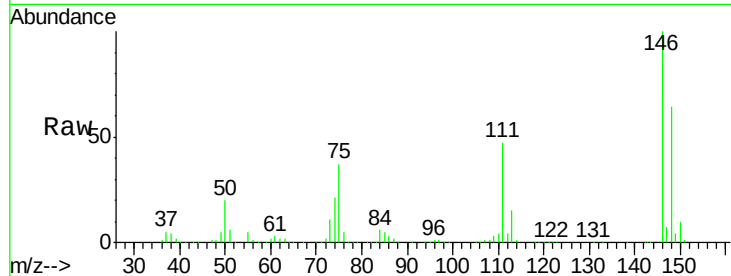
#77
 1,2-Dichlorobenzene
 Concen: 8.71 ppbv
 RT: 20.04 min Scan# 2781
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.4	70.0
148	63.5	31.6	94.7

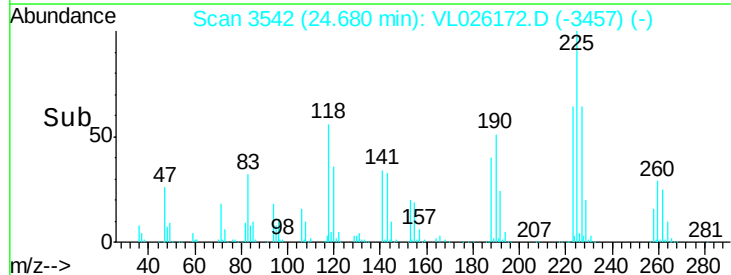
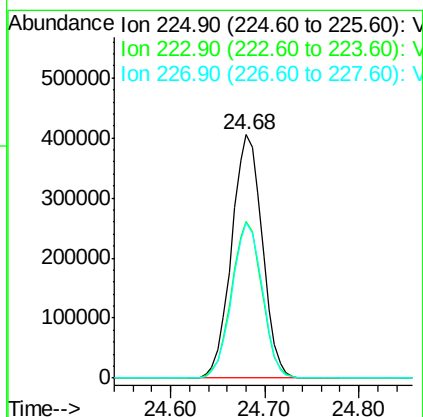
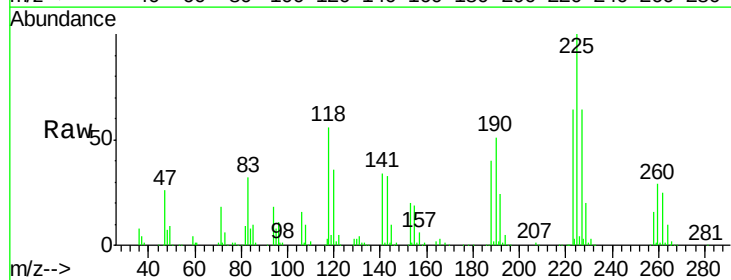
Manual Integrations
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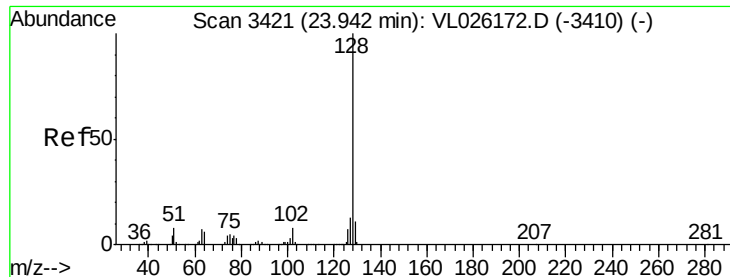
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.46 ppbv
 RT: 24.68 min Scan# 3542
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.9	76.3
227	63.5	51.3	76.9





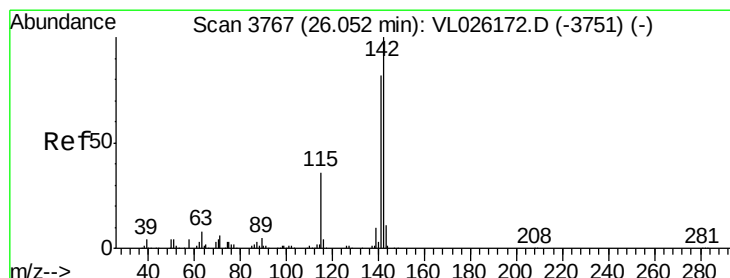
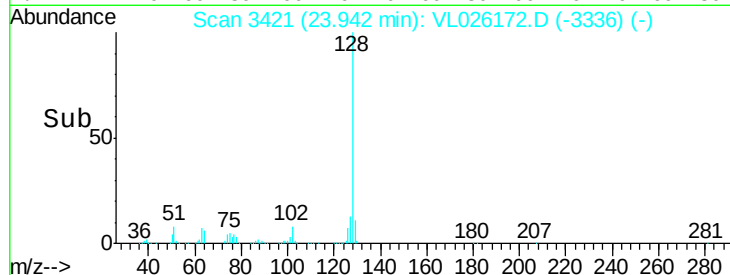
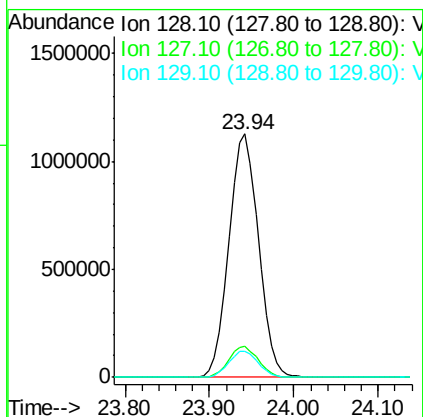
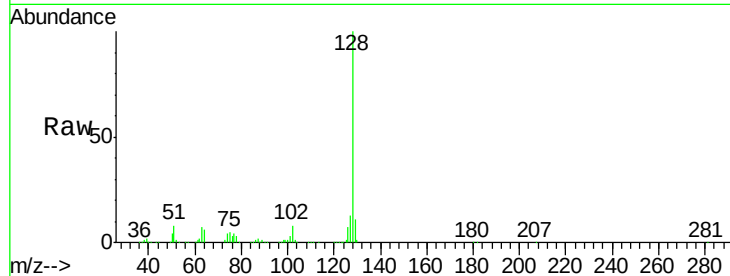
#79
Naphthalene
Concen: 7.91 ppbv
RT: 23.94 min Scan# 3421
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.9	9.0	13.4

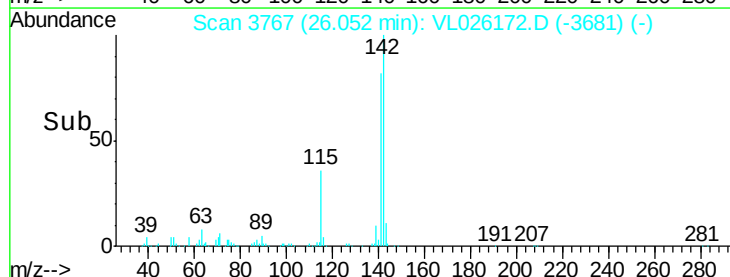
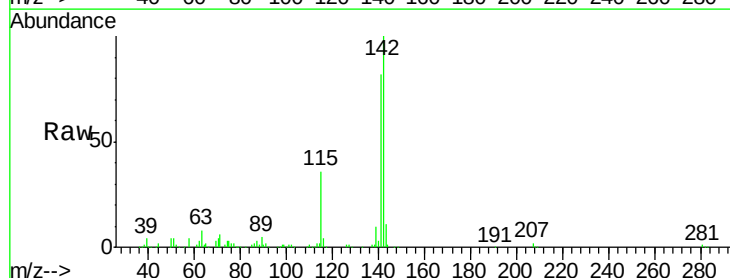
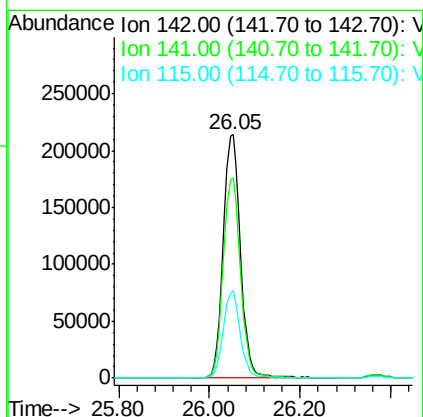
Manual Integrations
APPROVED

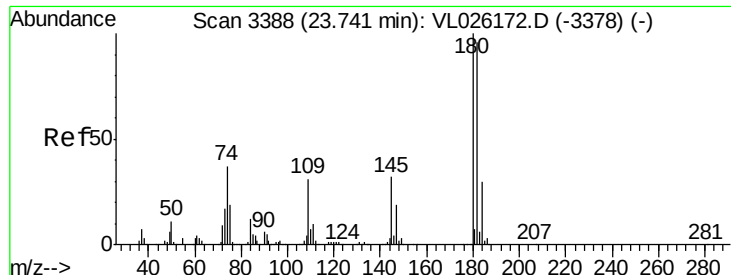
MMdadoda
10/12/2015 1:25:30 PM



#80
Naphthalene, 2-methyl-
Concen: 7.15 ppbv
RT: 26.05 min Scan# 3767
Delta R.T. 0.02 min
Lab File: VL026172.D
Acq: 9 Oct 2015 10:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.2	66.7	100.1
115	35.5	28.6	43.0





#81
 1,2,4-Trichlorobenzene
 Concen: 7.78 ppbv
 RT: 23.74 min Scan# 3388
 Delta R.T. 0.02 min
 Lab File: VL026172.D
 Acq: 9 Oct 2015 10:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.5	114.7
184	30.0	24.2	36.4

Manual Integrations
 APPROVED

MMdadoda
 10/12/2015 1:25:30 PM

