

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026204.D
 Acq On : 10 Oct 2015 9:31
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
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 10/12/2015 1:25:01 PM

Quant Time: Oct 12 04:41:45 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 0
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	515108	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.32	114	1689058	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.73	117	2001733m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.27	95	1591300	10.36	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.64	85	1066583	11.04	ppbv	100
3) Chlorodifluoromethane	3.56	51	587719	9.77	ppbv	99
4) Chloromethane	3.74	50	335863	9.90	ppbv	99
5) Vinyl Chloride	3.88	62	358649	10.48	ppbv	98
6) Bromomethane	4.14	94	264099	10.73	ppbv	97
7) Chloroethane	4.23	64	156629	10.55	ppbv	99
8) Dichlorotetrafluoroethane	3.80	85	883343	10.48	ppbv	95
9) Propene	3.59	41	277690	10.05	ppbv	99
10) Heptane	9.34	43	967750	10.08	ppbv	97
11) Trichlorofluoromethane	4.68	101	1053576	11.12	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	721055	11.24	ppbv	96
13) Ethanol	4.32	45	42420	10.44	ppbv	93
14) Bromoethene	4.44	108	301380	11.39	ppbv	99
15) Acetone	4.59	43	620799	9.32	ppbv	99
16) 1,3-Butadiene	3.96	39	321711	10.46	ppbv	98
17) tert-Butyl alcohol	5.12	59	600925	14.98	ppbv	99
18) 1,1-Dichloroethene	5.07	96	333465	11.48	ppbv	99
19) Isopropyl Alcohol	4.74	45	337004	13.00	ppbv	# 1
20) Methylene Chloride	5.14	84	300332	10.60	ppbv	98
21) Allyl Chloride	5.21	41	506161	11.65	ppbv	99
22) trans-1,2-Dichloroethene	5.76	96	423741	11.39	ppbv	96
23) Vinyl Acetate	5.98	43	1374296	11.66	ppbv	99
24) 1,1-Dichloroethane	5.90	63	862828	10.74	ppbv	99
25) Ethyl Acetate	6.66	43	1327410	10.31	ppbv	99
26) Hexane	6.65	57	659928	10.58	ppbv	99
27) Carbon Disulfide	5.38	76	961714	12.87	ppbv	99
28) Methyl tert-Butyl Ether	5.94	73	1290783	12.84	ppbv	98
29) Chloroform	6.74	83	1000637	10.83	ppbv	100
30) Cyclohexane	8.27	84	684493	11.52	ppbv	95
31) cis-1,2-Dichloroethene	6.51	61	626573	11.02	ppbv	98
32) 1,1,1-Trichloroethane	7.59	97	1089876	12.34	ppbv	97
34) 2-Butanone	6.19	43	843314	8.97	ppbv	98
35) Carbon Tetrachloride	8.15	117	1145624	10.70	ppbv	99
36) Benzene	8.01	78	1508528	9.34	ppbv	99
37) 1,2-Dichloroethane	7.37	62	808243	9.34	ppbv	100
38) Trichloroethene	9.06	130	649194	8.75	ppbv	98
39) 1,2-Dichloropropane	8.82	63	530591	8.84	ppbv	98
40) 1,4-Dioxane	9.10	88	129937	13.15	ppbv	# 1
41) Tetrahydrofuran	7.11	42	464918	8.78	ppbv	96
42) Bromodichloromethane	9.01	83	1165250	10.23	ppbv	99
43) Methyl Methacrylate	9.25	69	581627	10.22	ppbv	97

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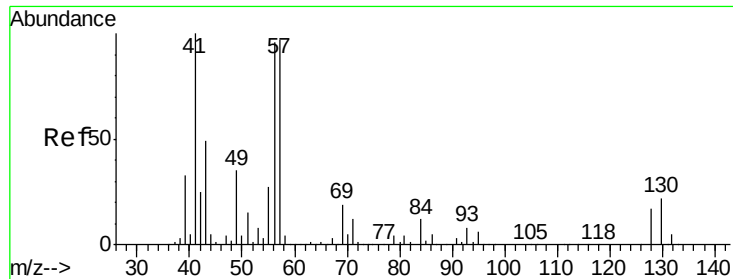
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	2418263	9.00	ppbv	99
45) t-1,3-Dichloropropene	10.64	75	931879	11.90	ppbv	99
46) cis-1,3-Dichloropropene	10.01	75	1065210	11.08	ppbv	98
47) 1,1,2-Trichloroethane	10.87	97	678795	9.43	ppbv	98
48) Dibromochloromethane	11.79	129	1155197	11.32	ppbv	99
49) Bromoform	14.80	173	968955	12.61	ppbv	99
50) 4-Methyl-2-Pentanone	10.07	43	1185287	9.53	ppbv	99
51) 2-Hexanone	11.60	43	1116345	9.99	ppbv #	98
52) Tetrachloroethene	12.78	164	717504	8.99	ppbv	99
53) Toluene	11.23	91	2077887	9.98	ppbv	100
54) 1,2-Dibromoethane	12.13	107	1062310	9.84	ppbv	97
56) 1,1,1,2-Tetrachloroethane	13.77	131	835628	10.42	ppbv	97
57) Chlorobenzene	13.80	112	1720856	9.52	ppbv	98
58) Ethyl Benzene	14.40	91	2961877	10.19	ppbv	99
59) m/p-Xylene	14.70	91	4595462	19.69	ppbv	100
60) o-Xylene	15.48	91	2340756	9.57	ppbv	100
61) Styrene	15.30	104	1153901	11.54	ppbv	99
62) Isopropylbenzene	16.53	105	3306545	10.26	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.47	83	1439686	7.92	ppbv	100
64) n-propylbenzene	17.50	120	909911	10.48	ppbv	92
65) tert-Butylbenzene	18.80	119	2930157	10.31	ppbv	99
66) Benzyl Chloride	19.09	91	1276459	15.11	ppbv	97
67) sec-Butylbenzene	19.39	105	4109171	10.37	ppbv	99
69) p-Isopropyltoluene	19.77	119	3487569	11.00	ppbv	99
70) n-Butylbenzene	20.74	91	3110586	10.23	ppbv	98
71) 2-Chlorotoluene	17.41	91	2389541	10.15	ppbv	98
72) 4-Ethyltoluene	17.80	105	2792392	10.70	ppbv	99
73) 1,3,5-Trimethylbenzene	17.97	105	2619683	10.68	ppbv	99
74) 1,2,4-Trimethylbenzene	18.82	105	2548328	9.91	ppbv	93
75) 1,3-Dichlorobenzene	19.11	146	1700740	10.34	ppbv	99
76) 1,4-Dichlorobenzene	19.26	146	1781675	10.74	ppbv	99
77) 1,2-Dichlorobenzene	20.01	146	1737950	10.81	ppbv	99
78) Hexachloro-1,3-Butadiene	24.66	225	835060	12.94	ppbv	99
79) Naphthalene	23.92	128	2394932	14.84	ppbv	100
80) Naphthalene, 2-methyl-	26.03	142	674764	18.62	ppbv	98
81) 1,2,4-Trichlorobenzene	23.72	180	1096973	13.72	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 584

Delta R.T. -0.01 min

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MSVOA_L

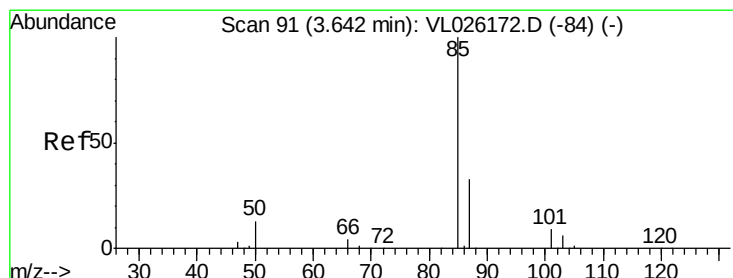
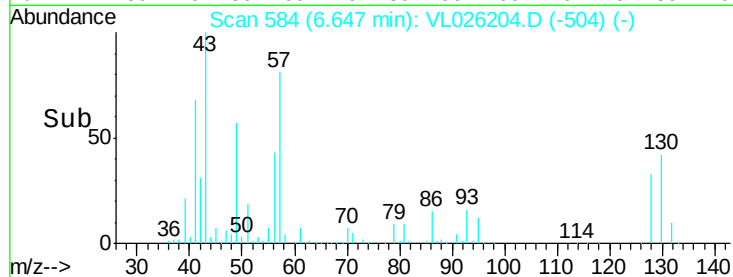
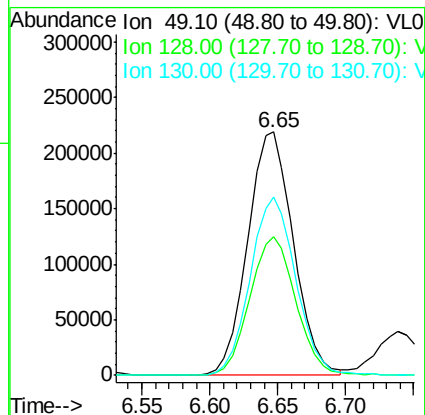
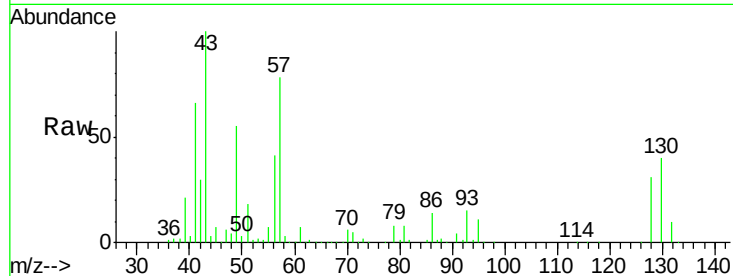
ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 515108
 Ion Ratio Lower Upper
 49 100
 128 57.6 26.3 78.8
 130 73.6 34.2 102.5

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#2

Dichlorodifluoromethane

Concen: 11.04 ppbv

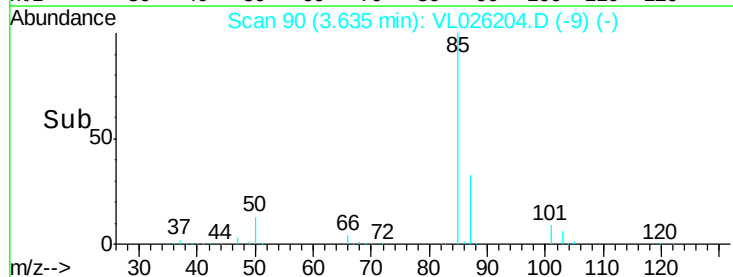
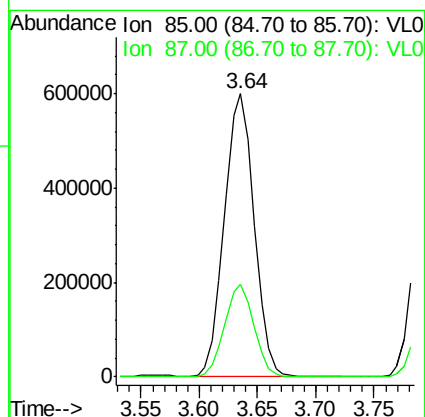
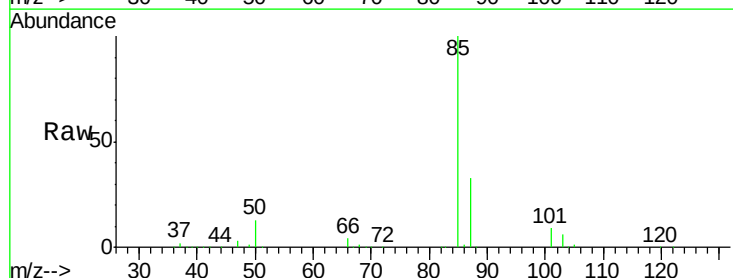
RT: 3.64 min Scan# 90

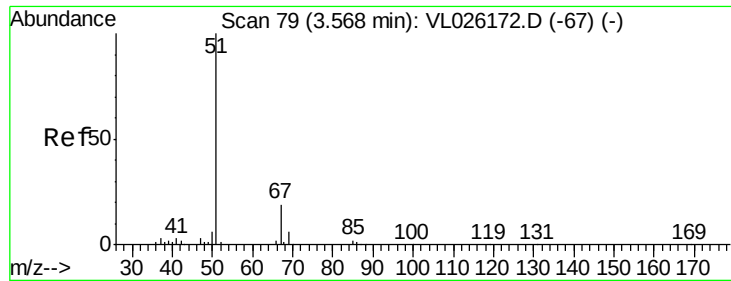
Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Tgt Ion: 85 Resp: 1066583
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.2 39.4





#3

Chlorodifluoromethane

Concen: 9.77 ppbv

RT: 3.56 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 587719

Ion Ratio Lower Upper

51 100

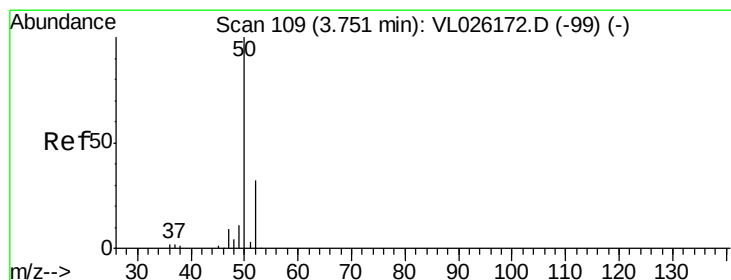
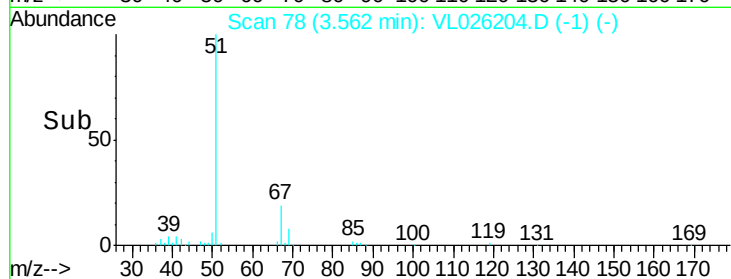
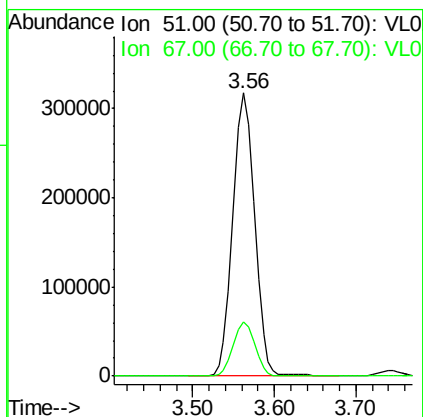
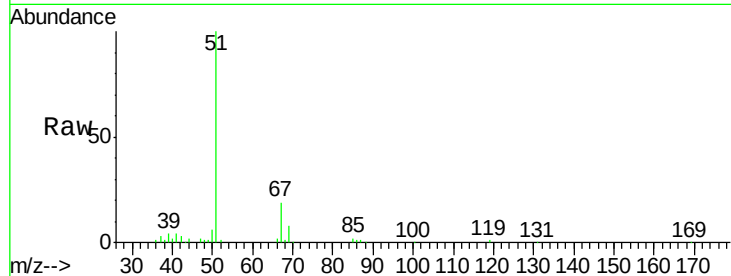
67 19.2 14.9 22.3

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#4

Chloromethane

Concen: 9.90 ppbv

RT: 3.74 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL026204.D

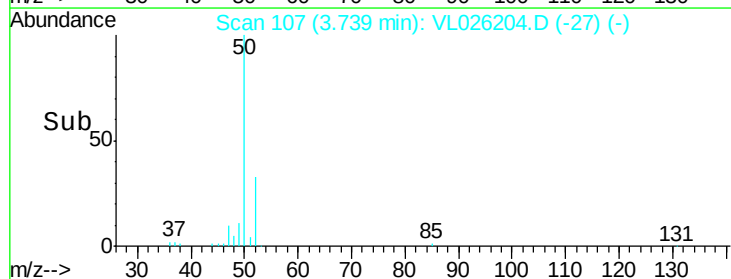
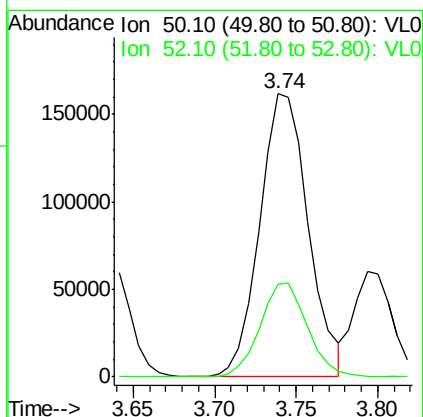
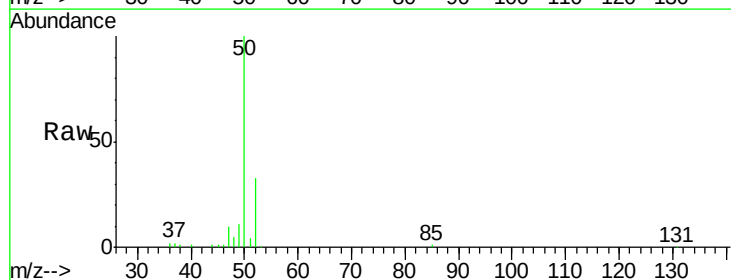
Acq: 10 Oct 2015 9:31

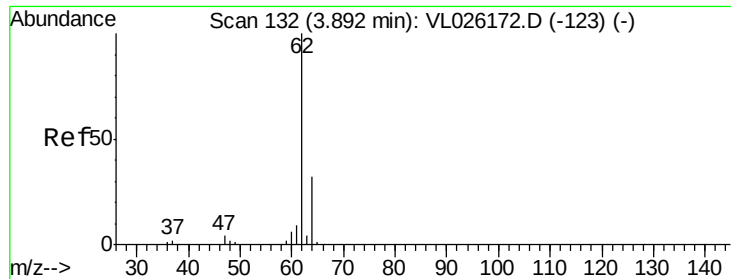
Tgt Ion: 50 Resp: 335863

Ion Ratio Lower Upper

50 100

52 32.7 25.9 38.9





#5

Vinyl Chloride

Concen: 10.48 ppbv

RT: 3.88 min Scan# 130

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 358649

Ion Ratio Lower Upper

62 100

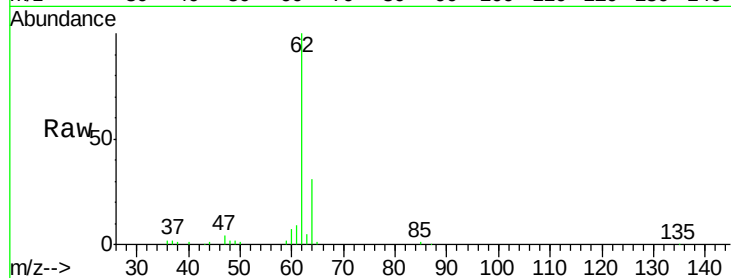
64 30.9 25.6 38.4

Manual Integrations

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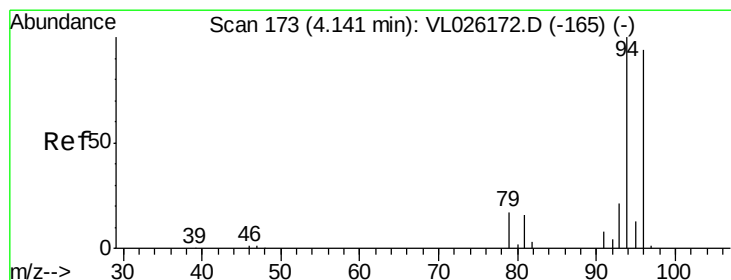
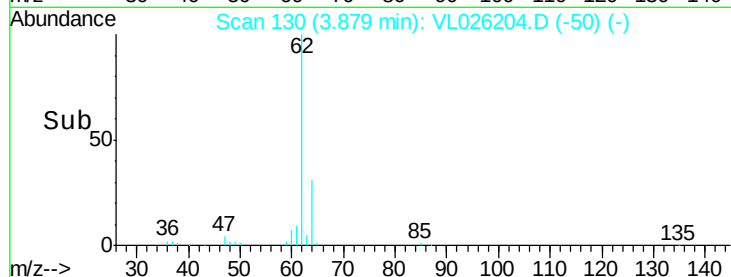
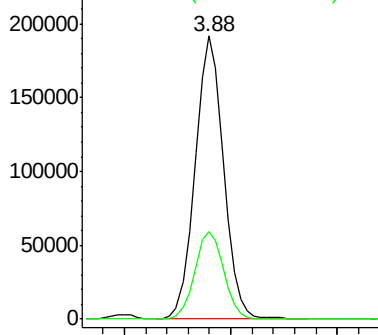
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.73 ppbv

RT: 4.14 min Scan# 172

Delta R.T. -0.01 min

Lab File: VL026204.D

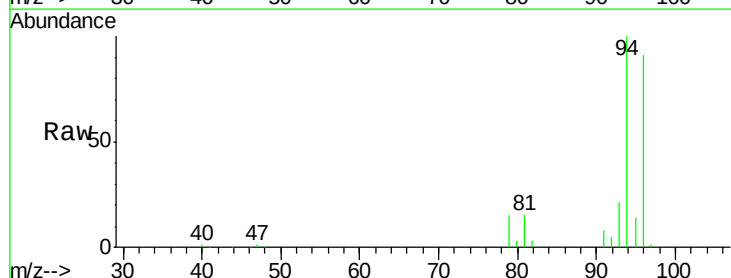
Acq: 10 Oct 2015 9:31

Tgt Ion: 94 Resp: 264099

Ion Ratio Lower Upper

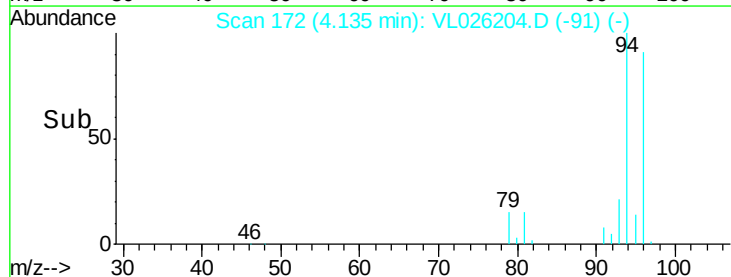
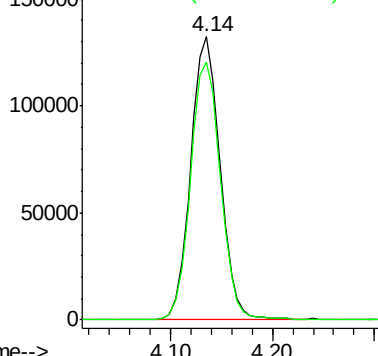
94 100

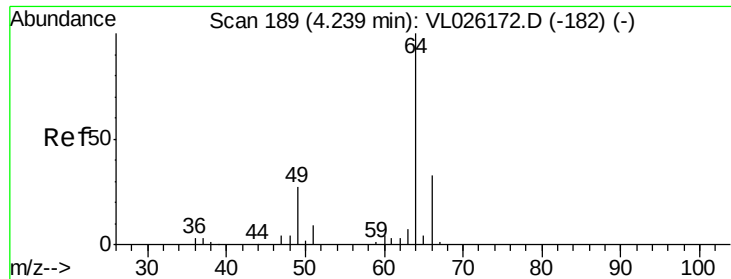
96 90.9 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.55 ppbv

RT: 4.23 min Scan# 188

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 156629

Ion Ratio Lower Upper

64 100

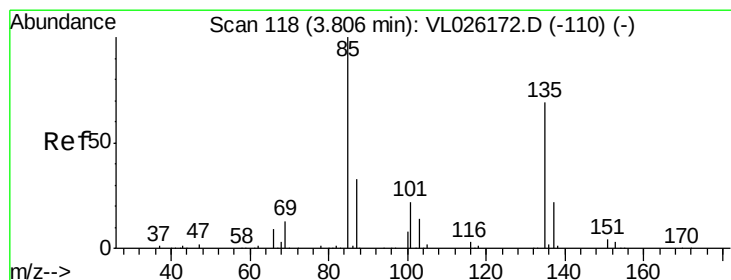
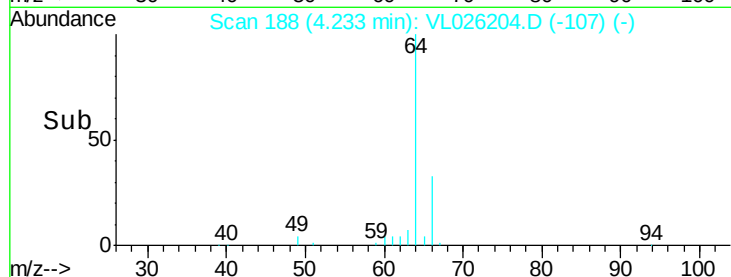
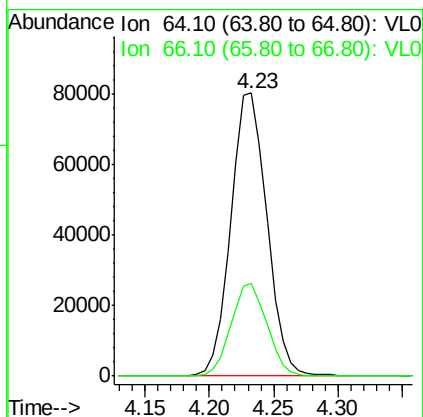
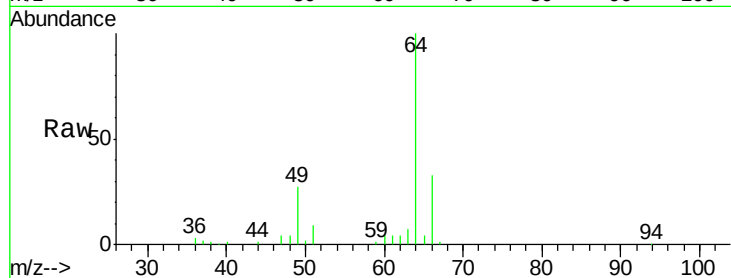
66 32.5 26.5 39.7

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#8

Dichlorotetrafluoroethane

Concen: 10.48 ppbv

RT: 3.80 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL026204.D

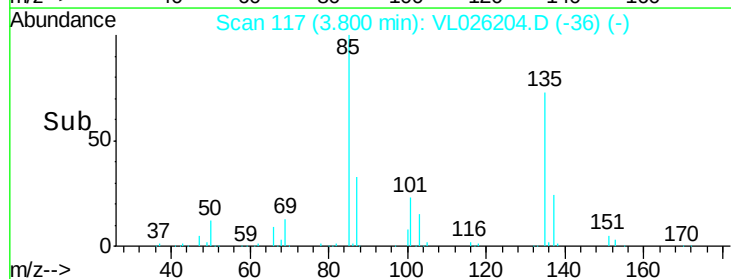
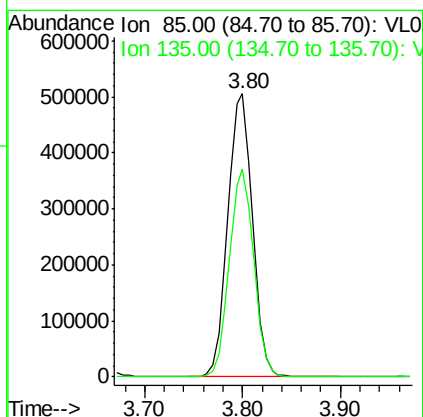
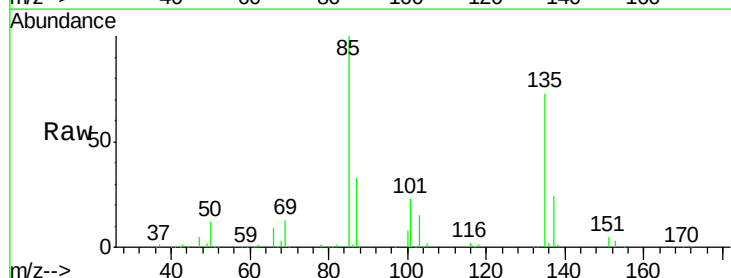
Acq: 10 Oct 2015 9:31

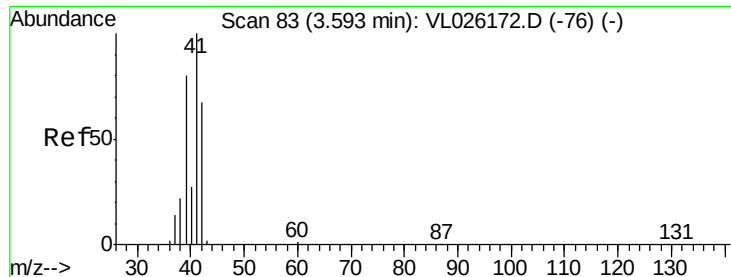
Tgt Ion: 85 Resp: 883343

Ion Ratio Lower Upper

85 100

135 72.9 55.3 82.9





#9

Propene

Concen: 10.05 ppbv

RT: 3.59 min Scan# 82

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 277690

Ion Ratio Lower Upper

41 100

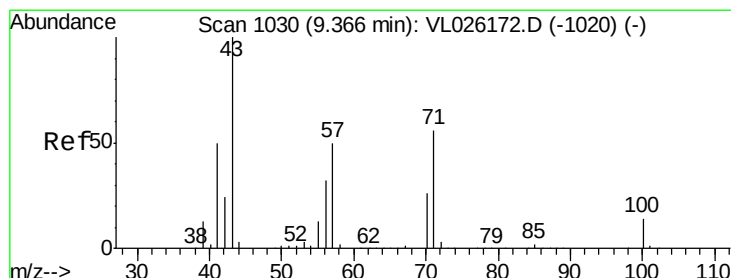
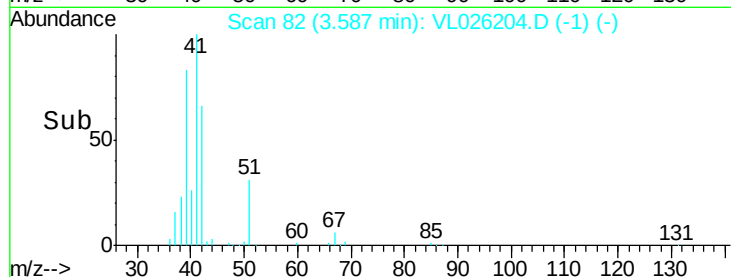
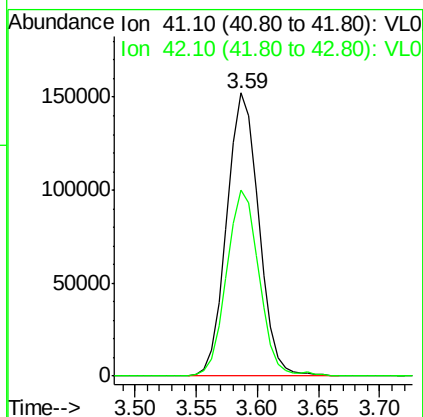
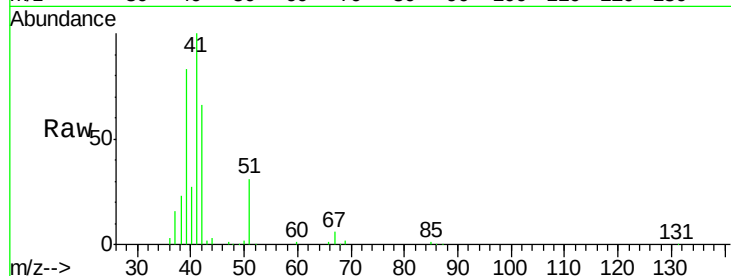
42 66.5 53.6 80.4

Manual Integrations

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#10

Heptane

Concen: 10.08 ppbv

RT: 9.34 min Scan# 1026

Delta R.T. -0.02 min

Lab File: VL026204.D

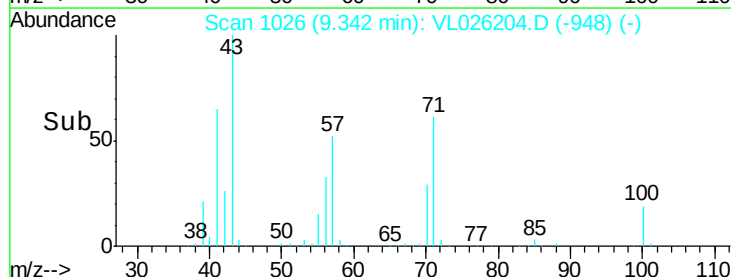
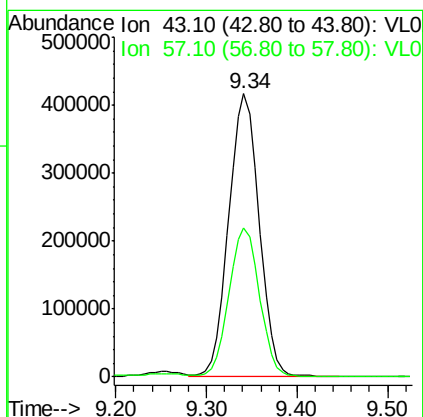
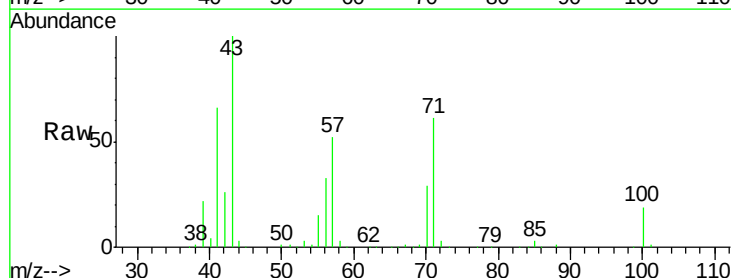
Acq: 10 Oct 2015 9:31

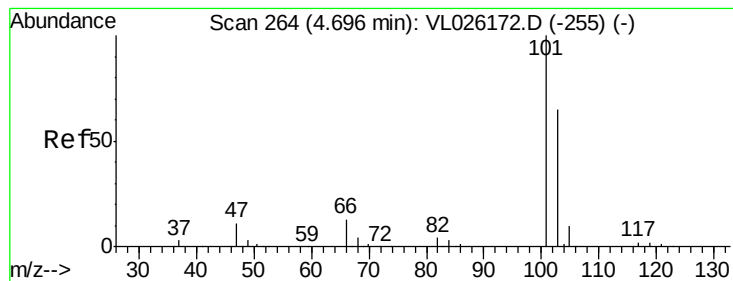
Tgt Ion: 43 Resp: 967750

Ion Ratio Lower Upper

43 100

57 54.7 41.8 62.8





#11

Trichlorofluoromethane

Concen: 11.12 ppbv

RT: 4.68 min Scan# 262

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 1053576

Ion Ratio Lower Upper

101 100

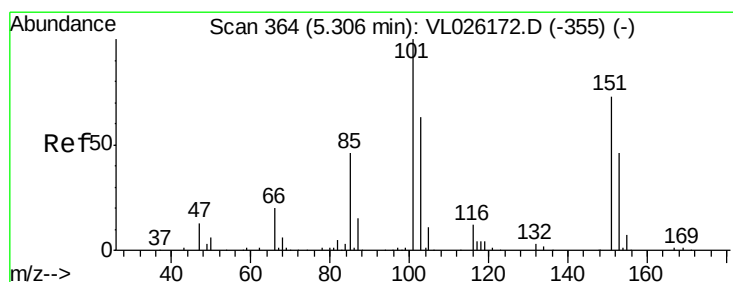
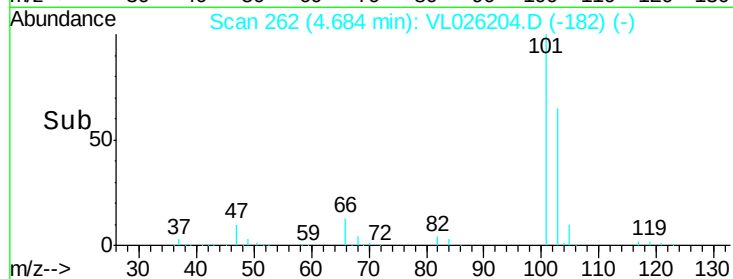
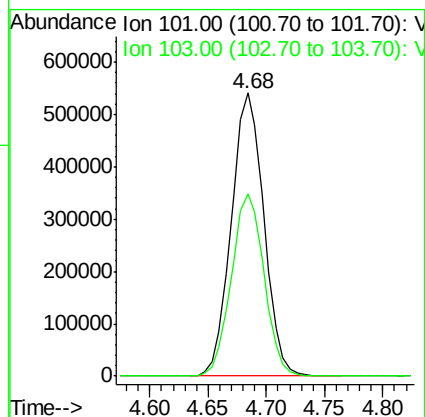
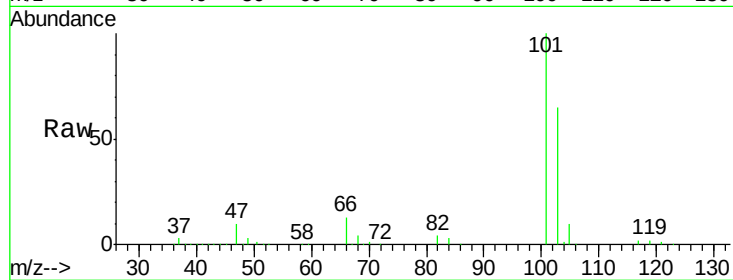
103 64.5 51.9 77.9

Manual Integrations

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MMdadoda

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.24 ppbv

RT: 5.29 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL026204.D

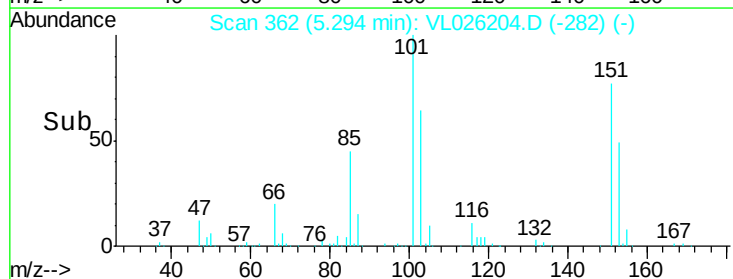
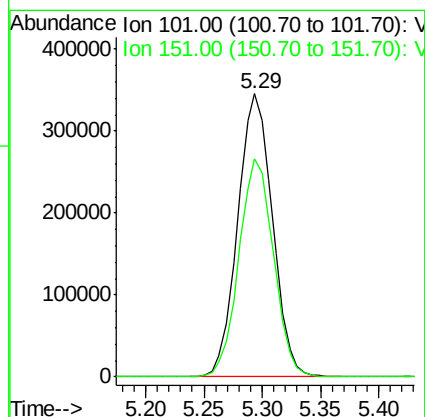
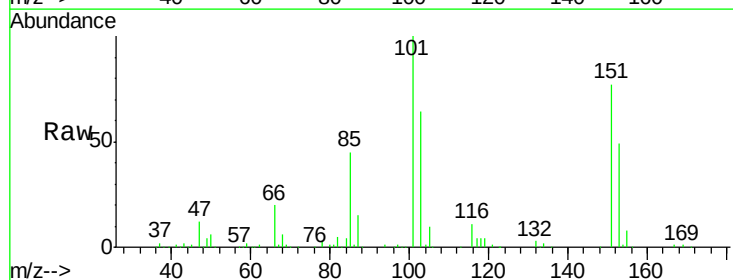
Acq: 10 Oct 2015 9:31

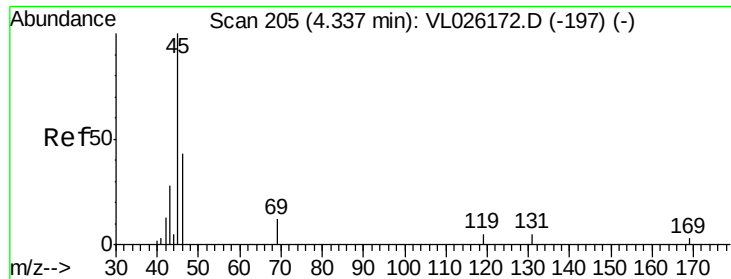
Tgt Ion:101 Resp: 721055

Ion Ratio Lower Upper

101 100

151 77.0 59.0 88.6





#13

Ethanol

Concen: 10.44 ppbv

RT: 4.32 min Scan# 203

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Tot Ion: 45 Resp: 42420

Ion Ratio Lower Upper

45 100

46 40.5 18.1 72.5

Instrument :

MSVOA_L

ClientSampleId :

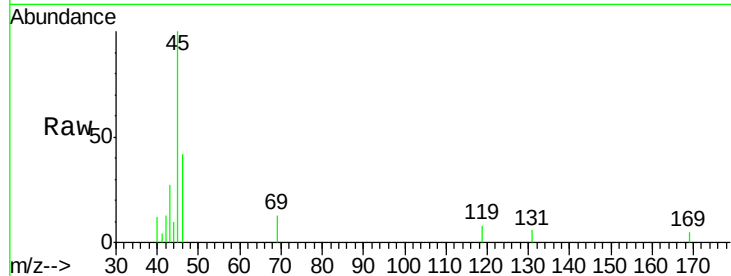
VSTDCCC010EC

Manual Integrations

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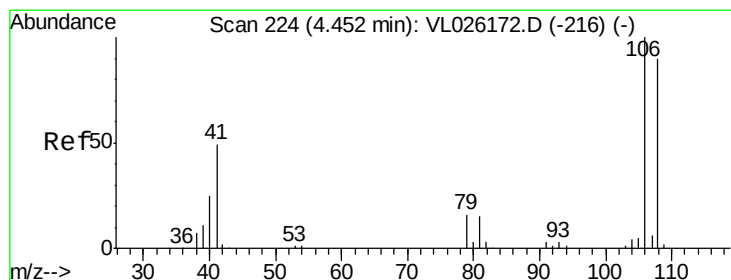
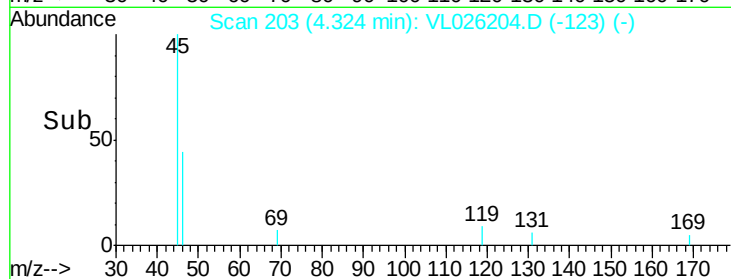
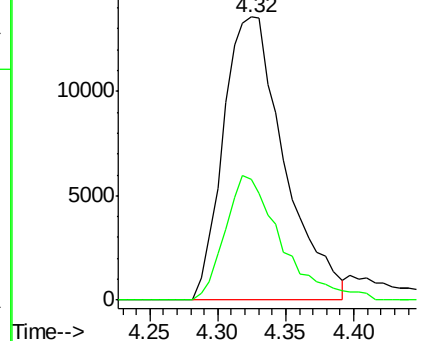
MMdadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 11.39 ppbv

RT: 4.44 min Scan# 222

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

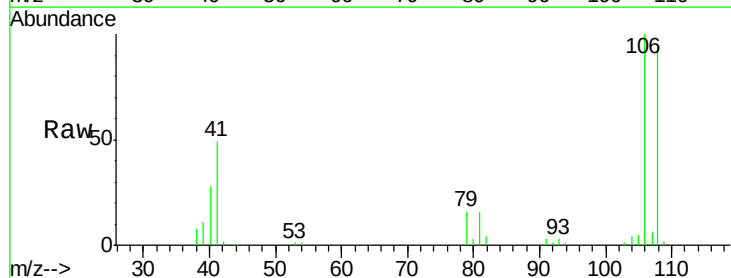
Tgt Ion:108 Resp: 301380

Ion Ratio Lower Upper

108 100

106 106.9 85.9 128.9

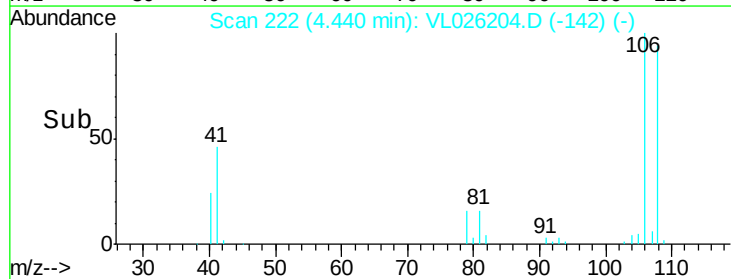
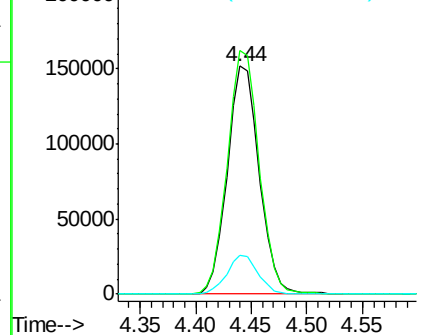
79 16.6 14.0 21.0

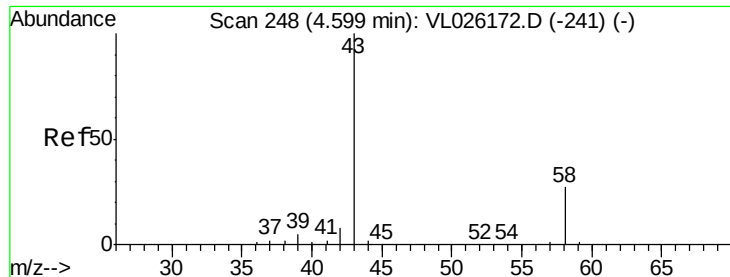


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





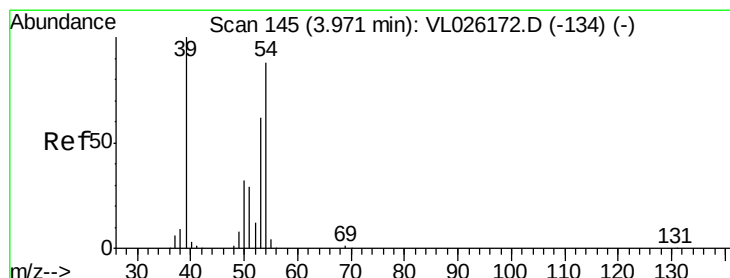
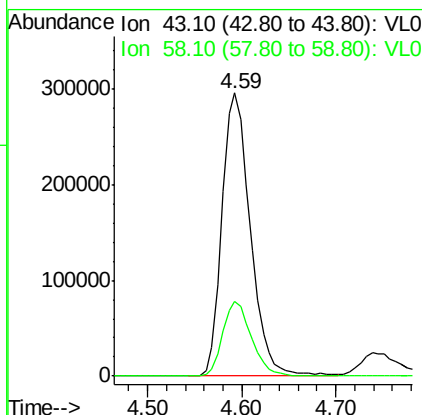
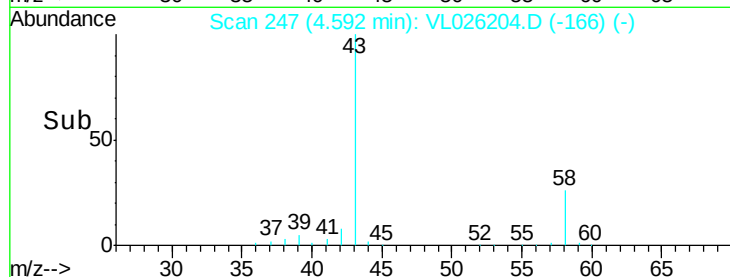
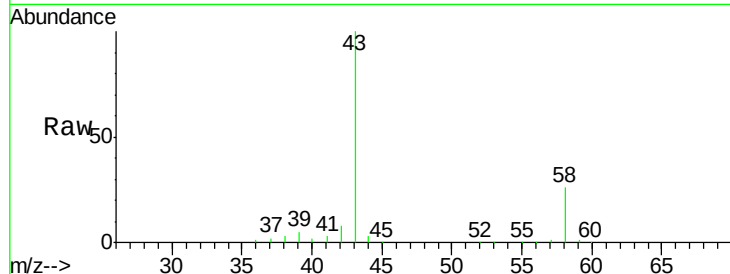
#15
Acetone
Concen: 9.32 ppbv
RT: 4.59 min Scan# 247
Delta R.T. -0.01 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 620799
Ion Ratio Lower Upper
43 100
58 26.8 22.0 33.0

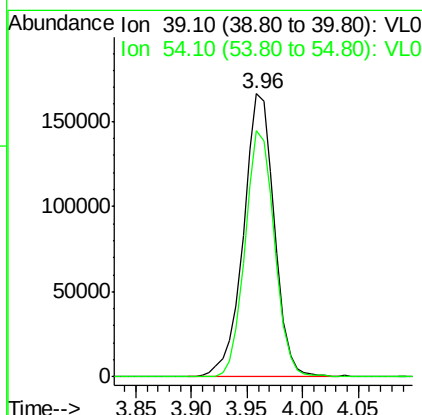
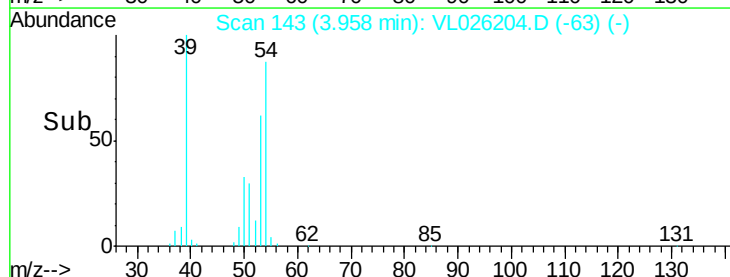
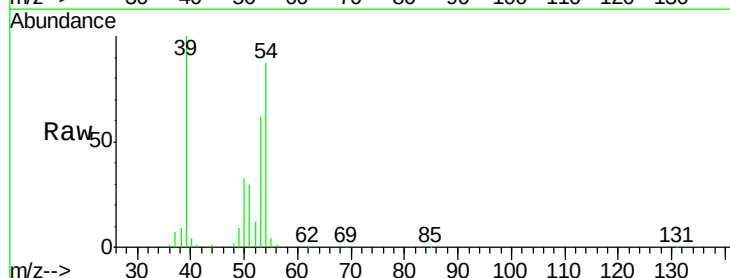
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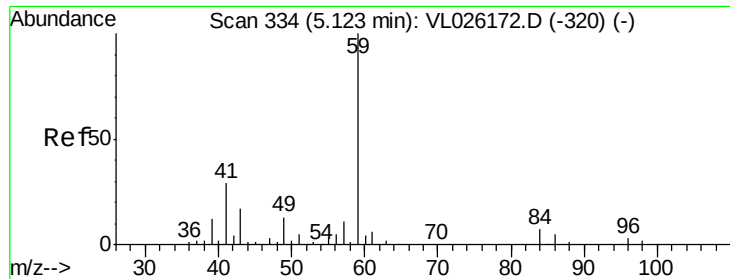
MMdadoda
10/12/2015 1:25:01 PM



#16
1,3-Butadiene
Concen: 10.46 ppbv
RT: 3.96 min Scan# 143
Delta R.T. -0.01 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion: 39 Resp: 321711
Ion Ratio Lower Upper
39 100
54 82.8 67.9 101.9





#17

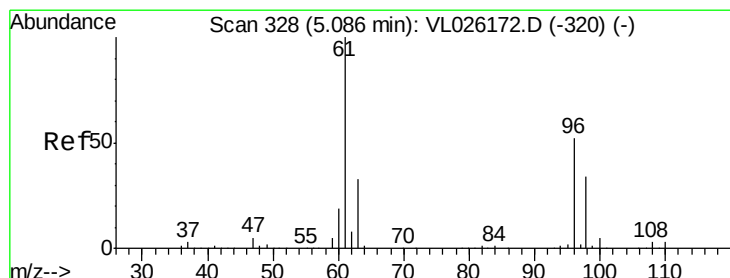
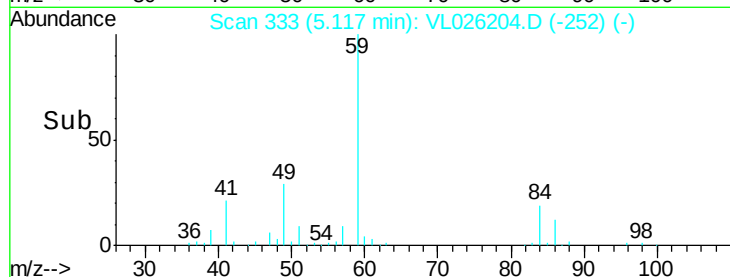
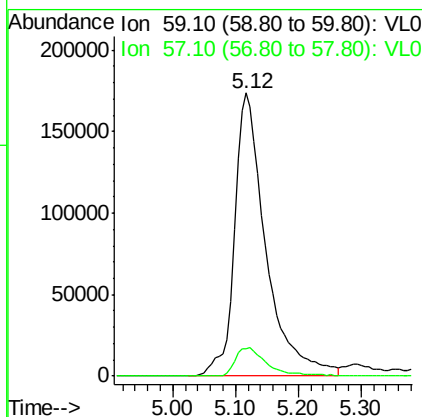
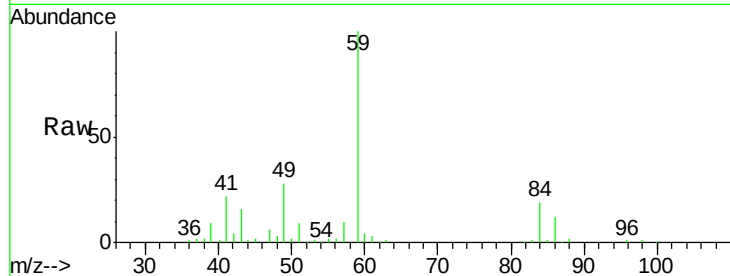
tert-Butyl alcohol
Concen: 14.98 ppbv
RT: 5.12 min Scan# 333
Delta R.T. -0.01 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.8	13.2

Manual Integrations
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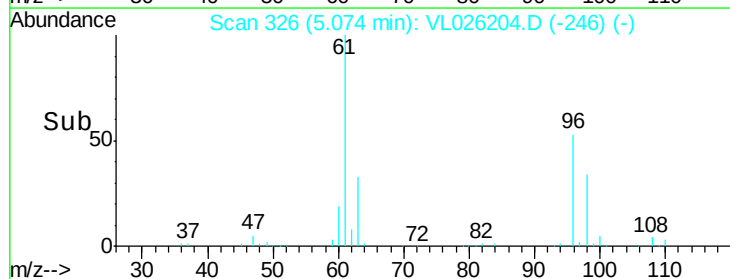
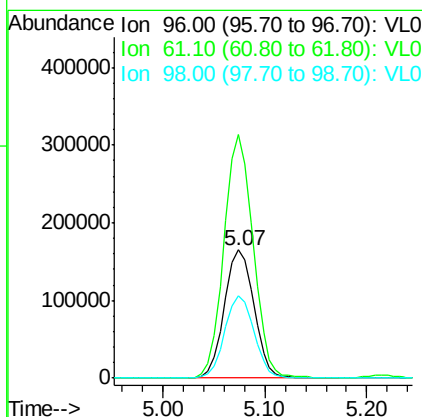
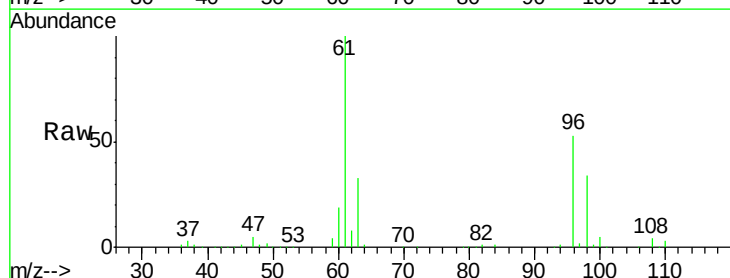
MMdadoda
10/12/2015 1:25:01 PM

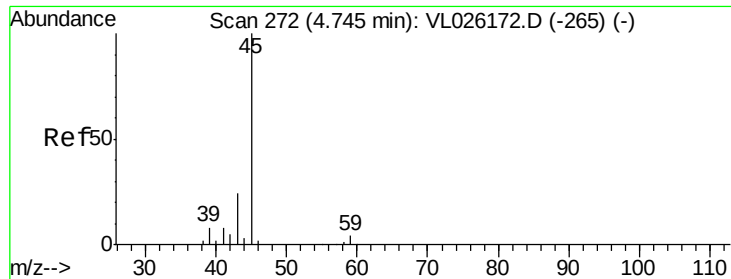


#18

1,1-Dichloroethene
Concen: 11.48 ppbv
RT: 5.07 min Scan# 326
Delta R.T. -0.01 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.0	153.2	229.8
98	64.1	52.1	78.1





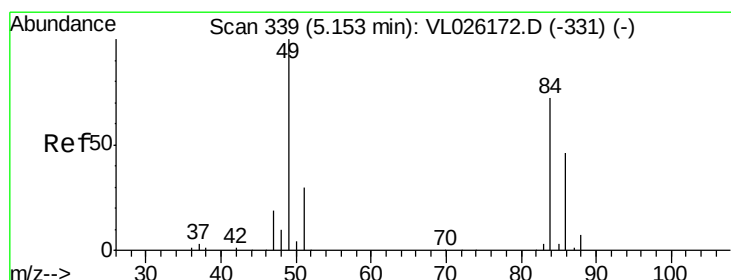
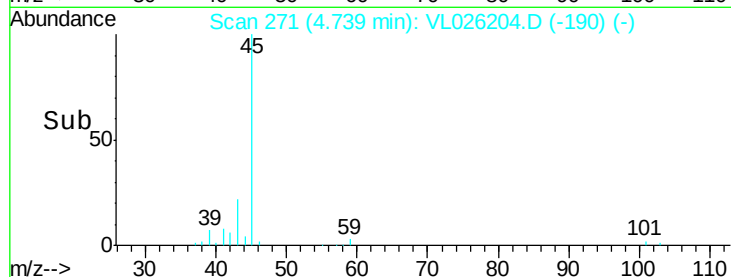
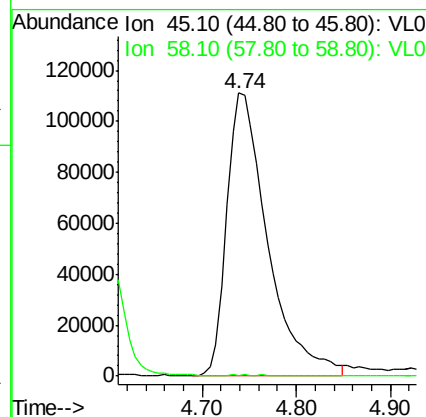
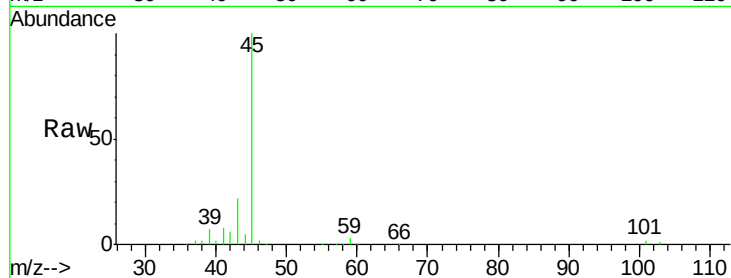
#19
Isopropyl Alcohol
Concen: 13.00 ppbv
RT: 4.74 min Scan# 271
Delta R.T. -0.01 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 337004
Ion Ratio Lower Upper
45 100
58 49.4 1.7 2.5#

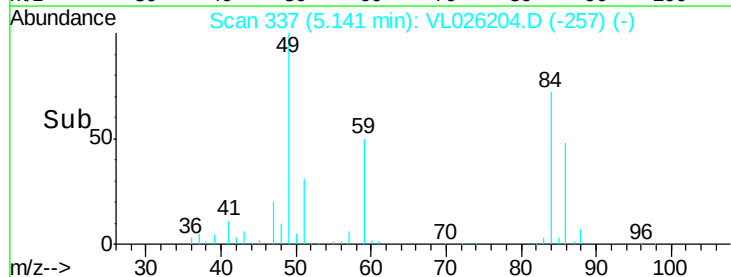
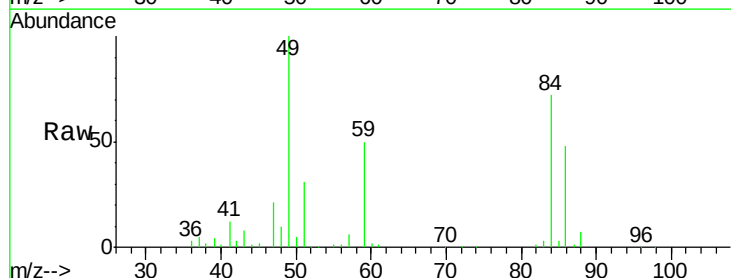
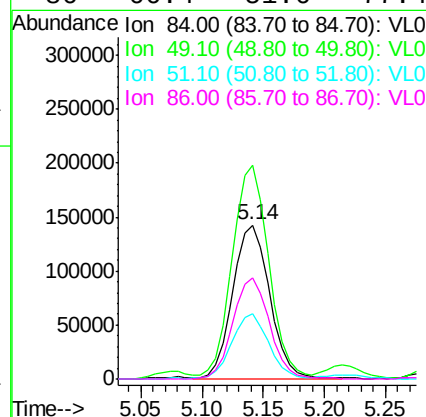
Manual Integrations
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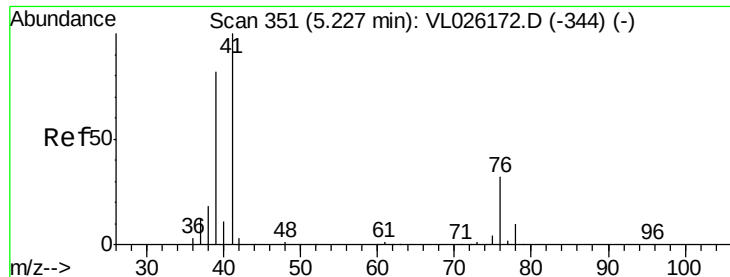
MMdadoda
10/12/2015 1:25:01 PM



#20
Methylene Chloride
Concen: 10.60 ppbv
RT: 5.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion: 84 Resp: 300332
Ion Ratio Lower Upper
84 100
49 137.3 111.3 166.9
51 42.0 33.0 49.6
86 66.4 51.6 77.4





#21

Allvl Chloride

Concen: 11.65 ppbv

RT: 5.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

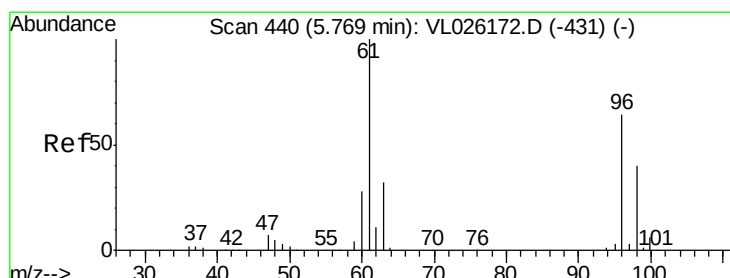
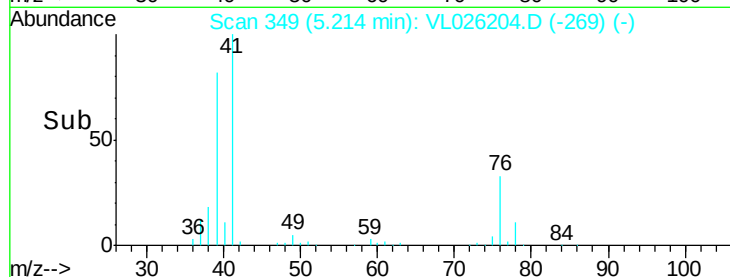
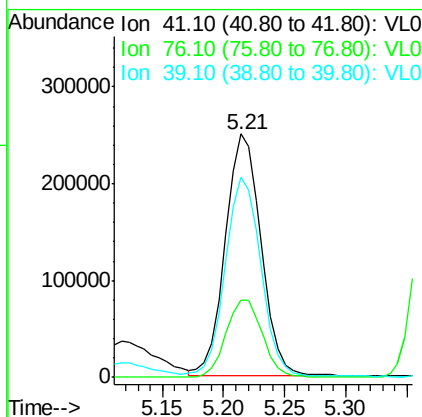
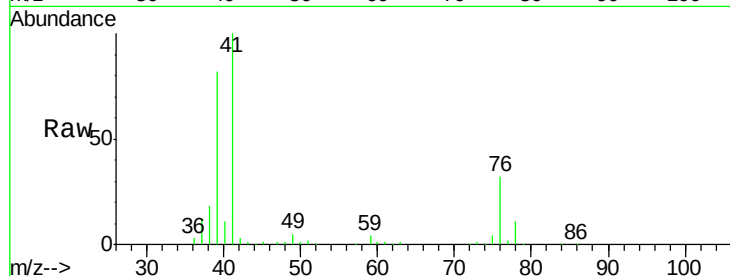
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	506161
Ion Ratio	Lower	Upper	
41	100		
76	32.8	25.4	38.2
39	82.9	66.5	99.7

Manual Integrations
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MMdadoda
10/12/2015 1:25:01 PM



#22

trans-1,2-Dichloroethene

Concen: 11.39 ppbv

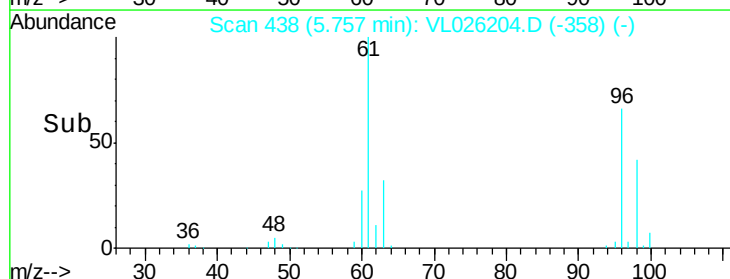
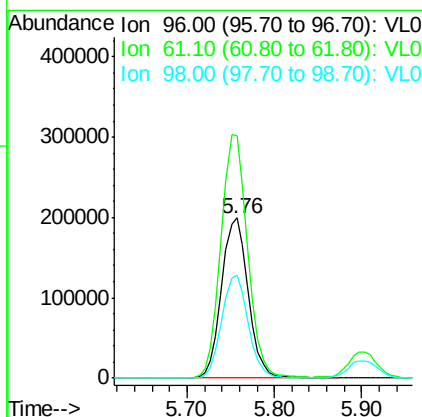
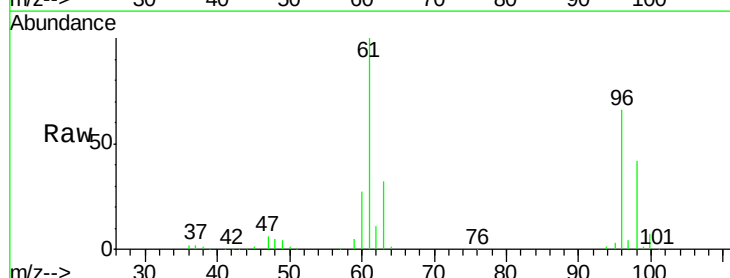
RT: 5.76 min Scan# 438

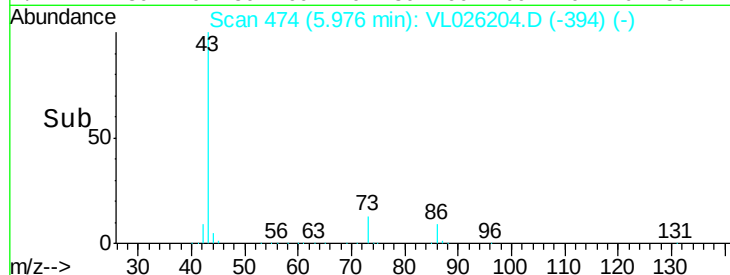
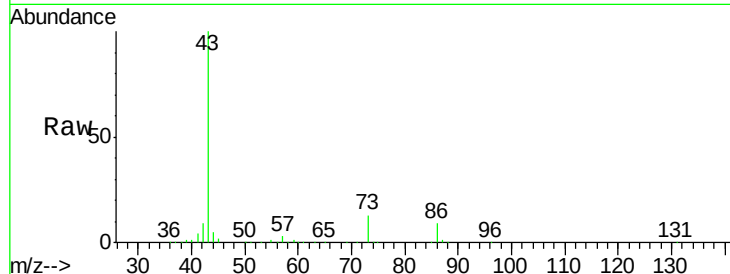
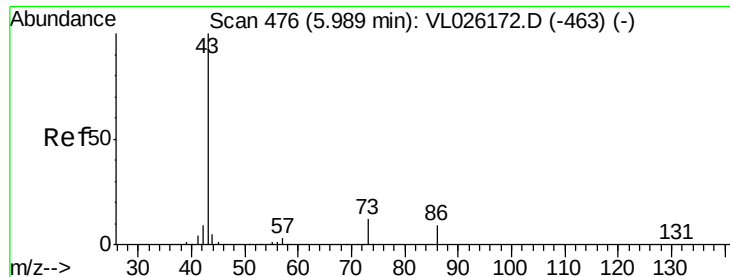
Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Tgt Ion:	96	Resp:	423741
Ion Ratio	Lower	Upper	
96	100		
61	151.1	125.8	188.6
98	63.7	50.6	75.8





#23

Vinyl Acetate

Concen: 11.66 ppbv

RT: 5.98 min Scan# 474

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Tot Ion: 43 Resp: 1374296

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.2	10.8
42	9.4	7.4	11.2
44	4.6	3.9	5.9

Instrument :

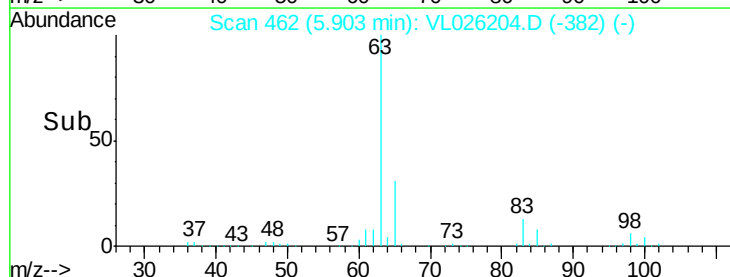
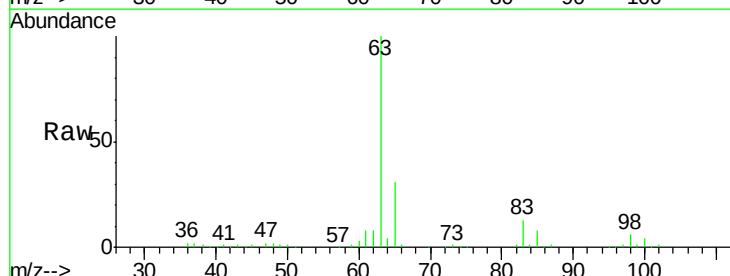
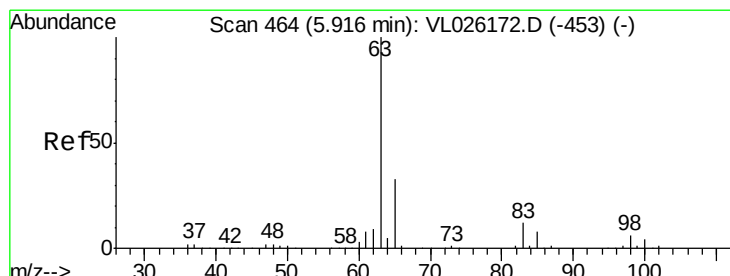
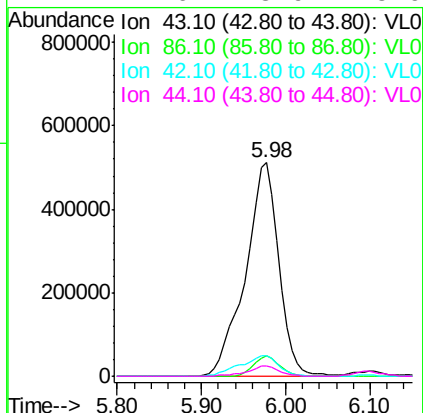
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Manual Integrations
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MMdadoda
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#24

1,1-Dichloroethane

Concen: 10.74 ppbv

RT: 5.90 min Scan# 462

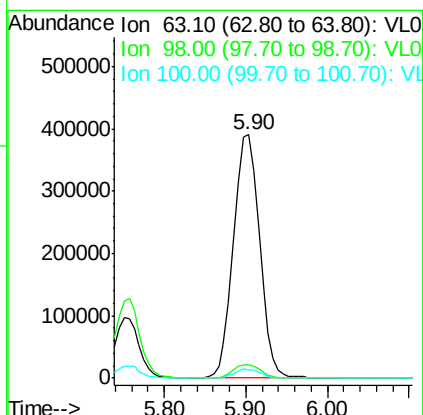
Delta R.T. -0.01 min

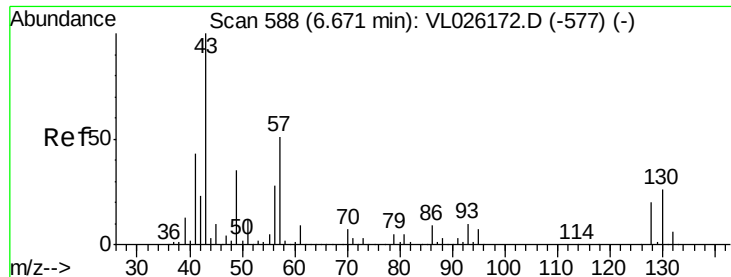
Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Tgt Ion: 63 Resp: 862828

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.9	8.7
100	3.6	1.8	5.5





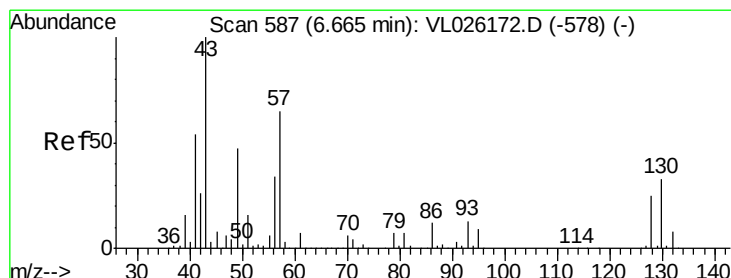
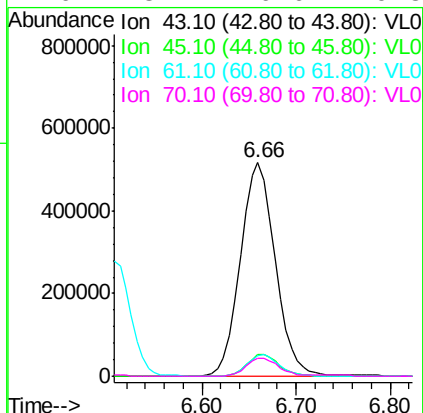
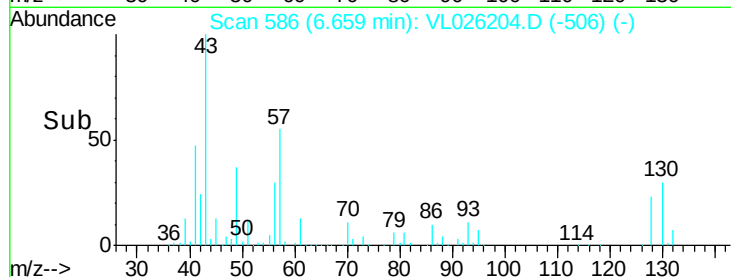
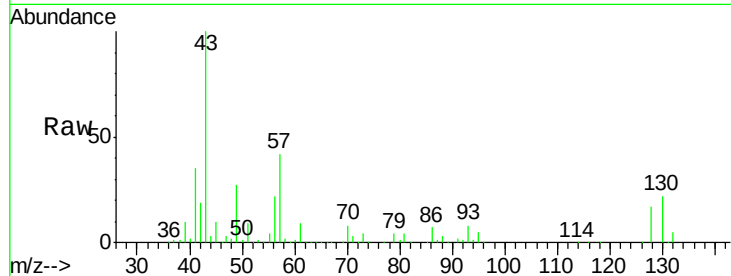
#25
Ethyl Acetate
Concen: 10.31 ppbv
RT: 6.66 min Scan# 586
Delta R.T. -0.01 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	1327410
Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.7	11.5
61	9.5	7.4	11.2
70	8.7	6.6	9.8

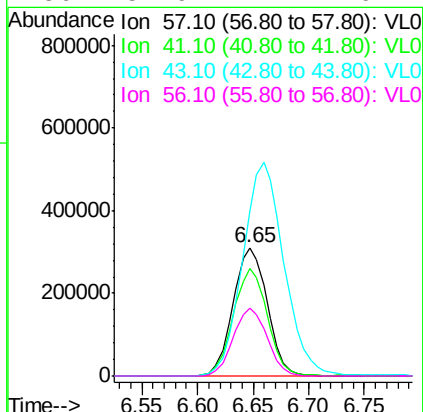
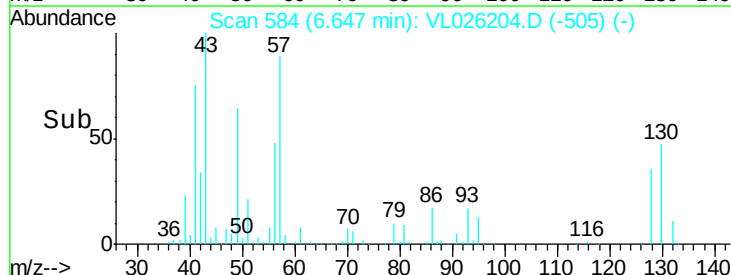
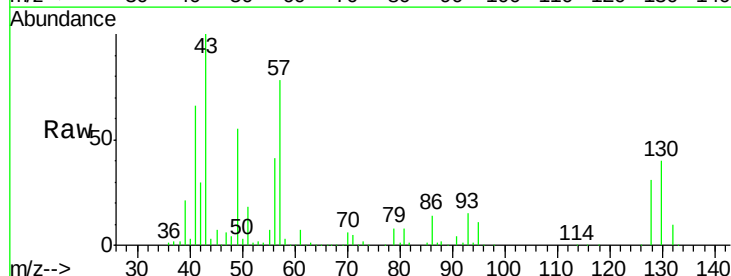
Manual Integrations
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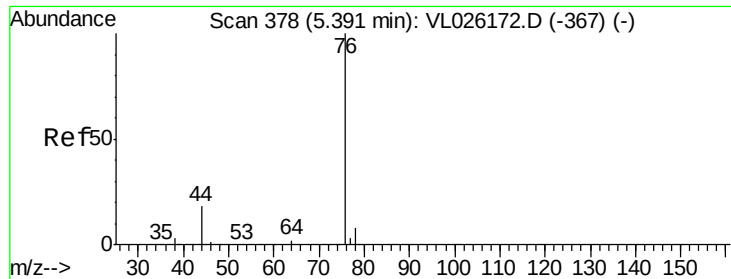
MMdadoda
10/12/2015 1:25:01 PM



#26
Hexane
Concen: 10.58 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion	57	Resp	659928
Ion	Ratio	Lower	Upper
57	100		
41	85.1	68.0	102.0
43	203.3	164.4	246.6
56	52.9	42.7	64.1





#27

Carbon Disulfide

Concen: 12.87 ppbv

RT: 5.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

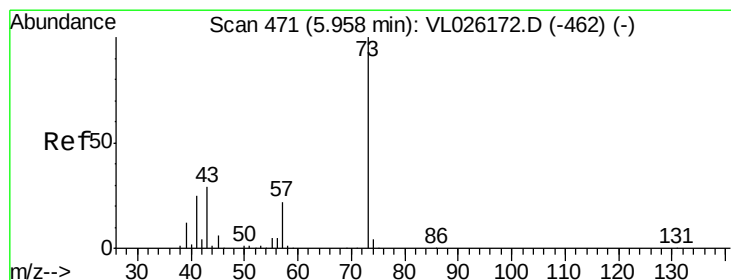
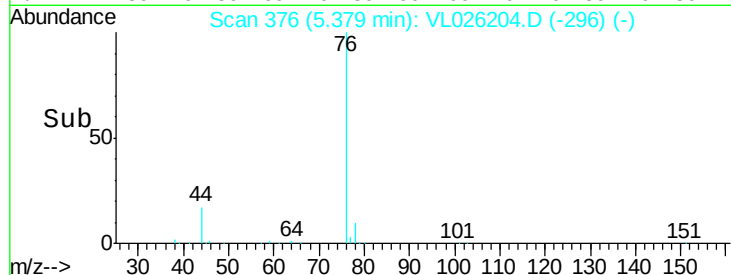
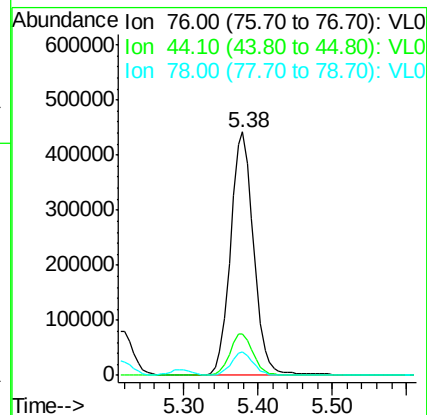
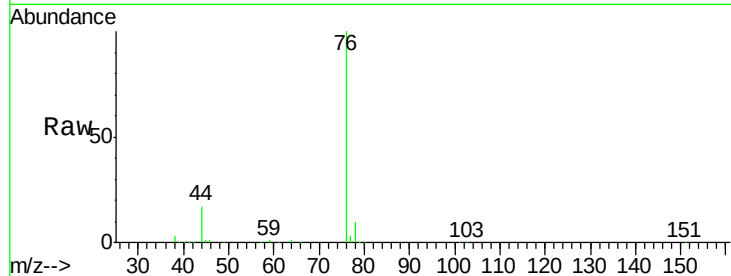
ClientSampleId :

VSTDCCC010EC

Tot Ion:	76	Resp:	961714
Ion	Ratio	Lower	Upper
76	100		
44	17.4	14.2	21.4
78	9.4	7.5	11.3

Manual Integrations
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MMdadoda
10/12/2015 1:25:01 PM



#28

Methyl tert-Butyl Ether

Concen: 12.84 ppbv

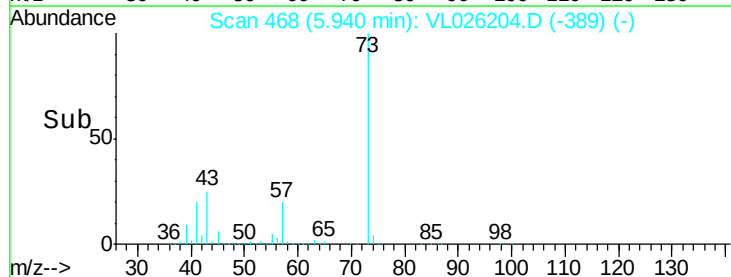
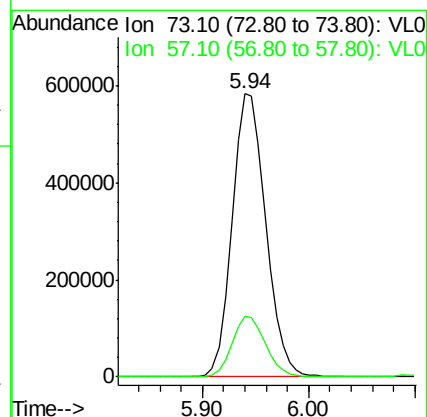
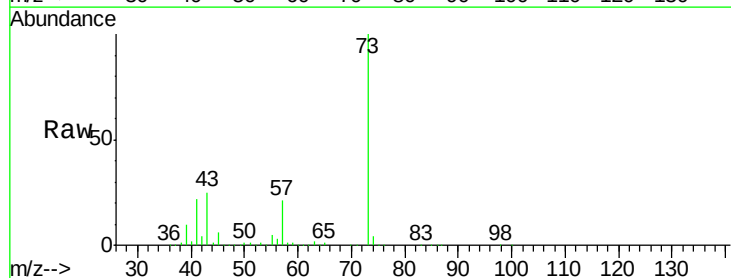
RT: 5.94 min Scan# 468

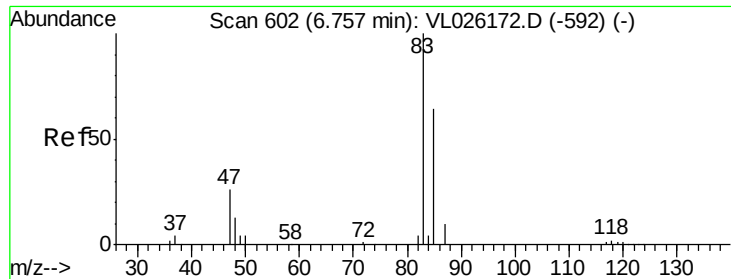
Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Tgt Ion:	73	Resp:	1290783
Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.8	26.6





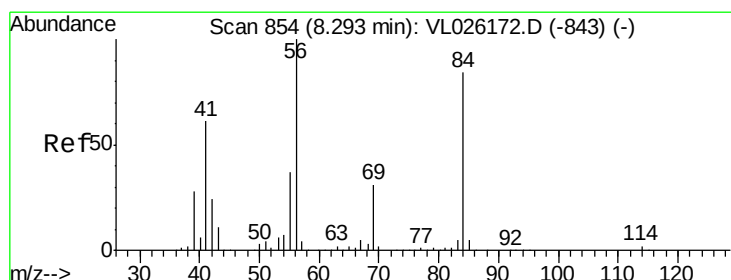
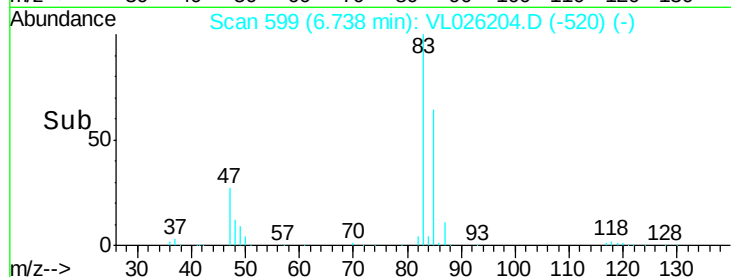
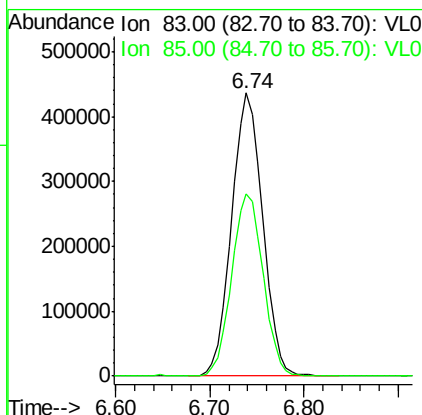
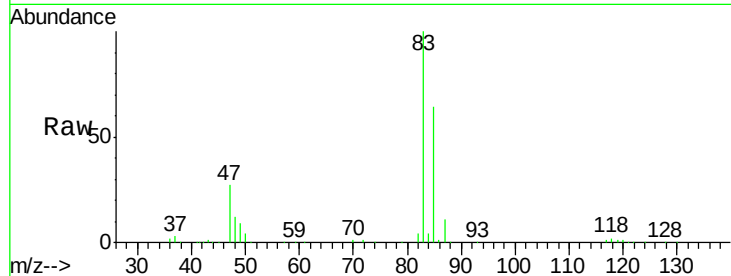
#29
Chloroform
Concen: 10.83 ppbv
RT: 6.74 min Scan# 599
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1000637
Ion Ratio Lower Upper
83 100
85 64.4 51.5 77.3

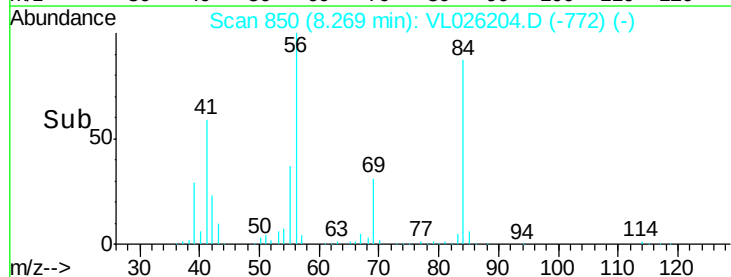
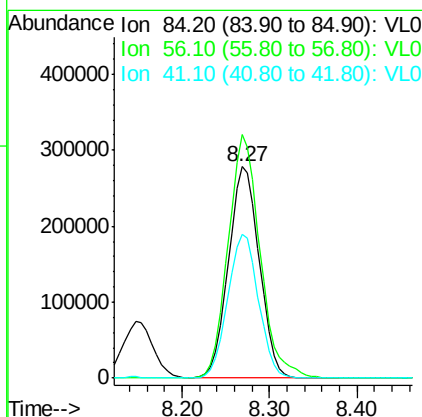
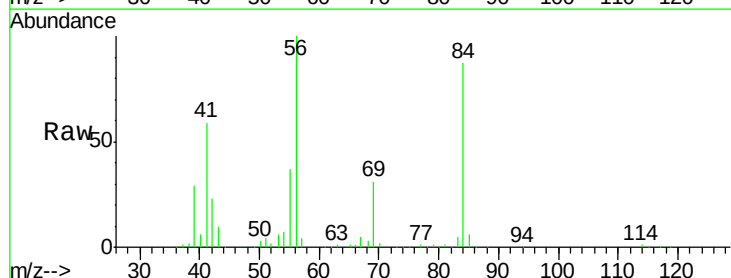
Manual Integrations
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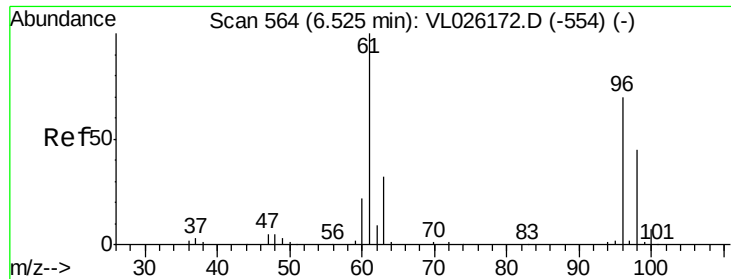
MMdadoda
10/12/2015 1:25:01 PM



#30
Cyclohexane
Concen: 11.52 ppbv
RT: 8.27 min Scan# 850
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion: 84 Resp: 684493
Ion Ratio Lower Upper
84 100
56 119.0 99.8 149.8
41 67.9 58.1 87.1





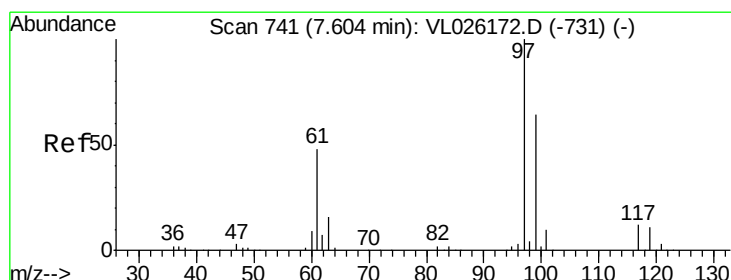
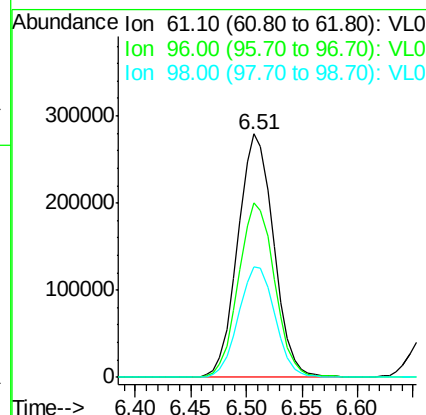
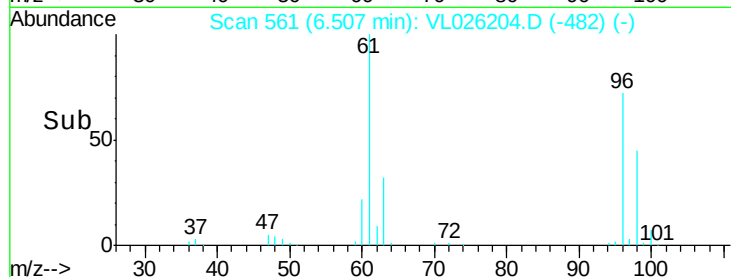
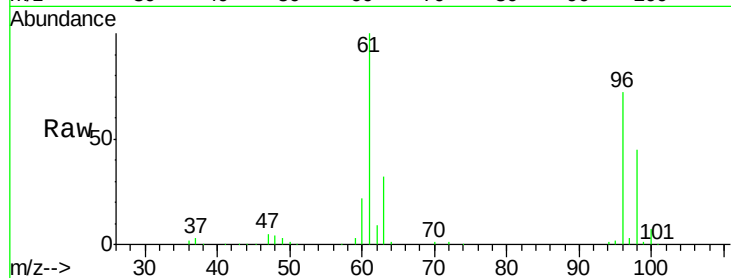
#31
 cis-1,2-Dichloroethene
 Concen: 11.02 ppbv
 RT: 6.51 min Scan# 561
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	71.7	55.8	83.8
98	45.1	35.8	53.6

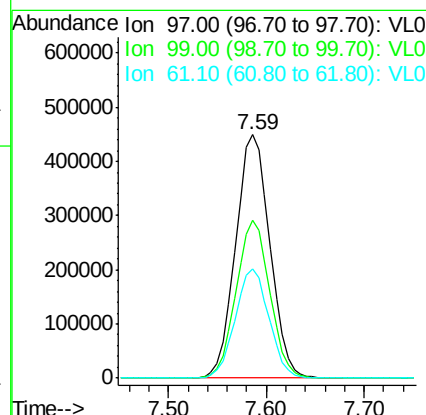
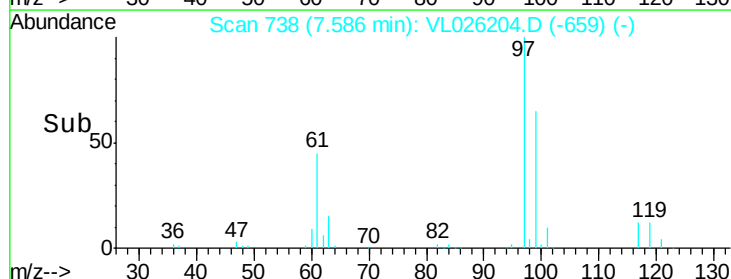
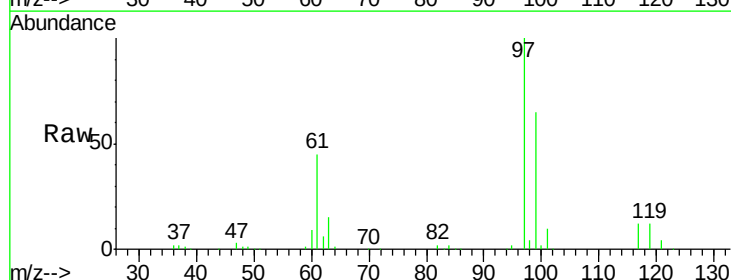
Manual Integrations
 APPROVED

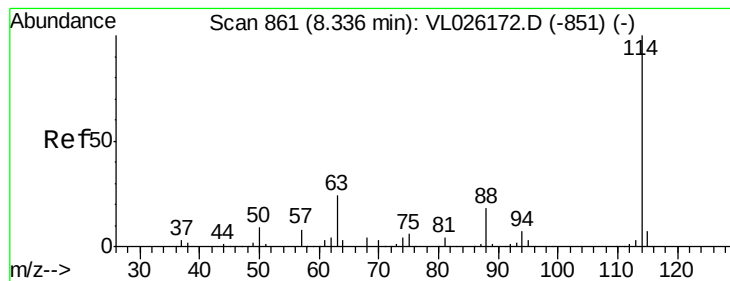
MMdadoda
 10/12/2015 1:25:01 PM



#32
 1,1,1-Trichloroethane
 Concen: 12.34 ppbv
 RT: 7.59 min Scan# 738
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.3	76.9
61	44.4	38.7	58.1





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.32 min Scan# 858

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 1689058

Ion Ratio Lower Upper

114 100

63 22.7 19.0 28.6

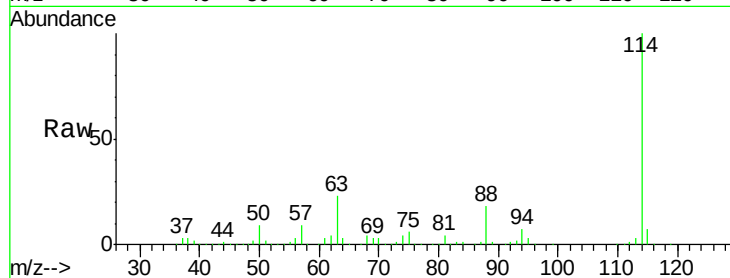
88 17.0 13.8 20.8

Manual Integrations

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MMdadoda

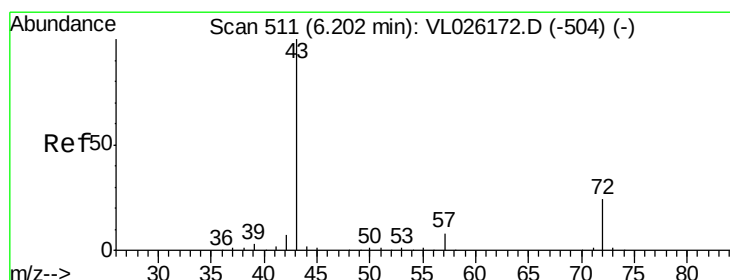
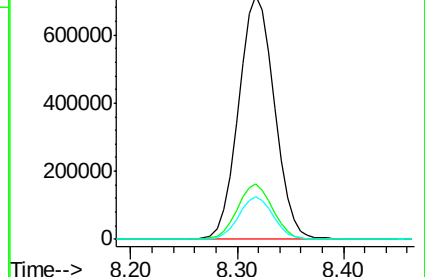
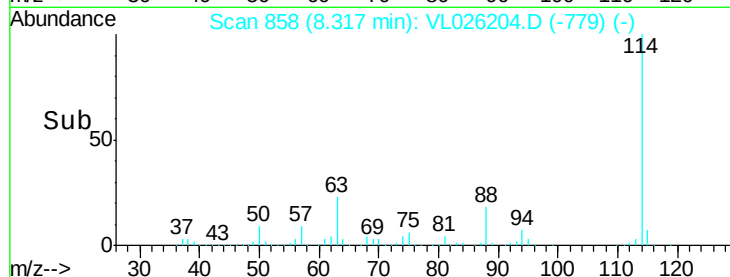
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.97 ppbv

RT: 6.19 min Scan# 509

Delta R.T. -0.01 min

Lab File: VL026204.D

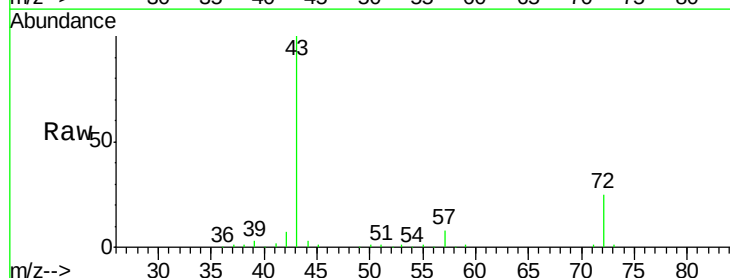
Acq: 10 Oct 2015 9:31

Tgt Ion: 43 Resp: 843314

Ion Ratio Lower Upper

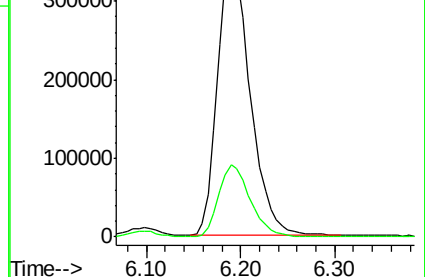
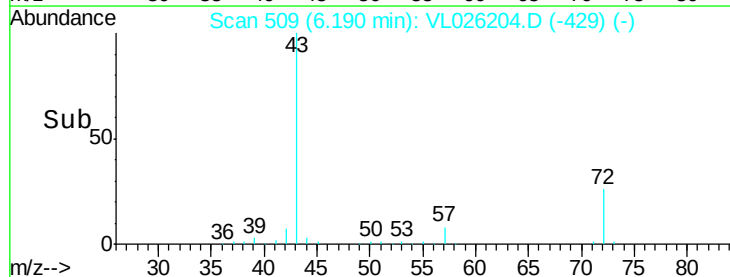
43 100

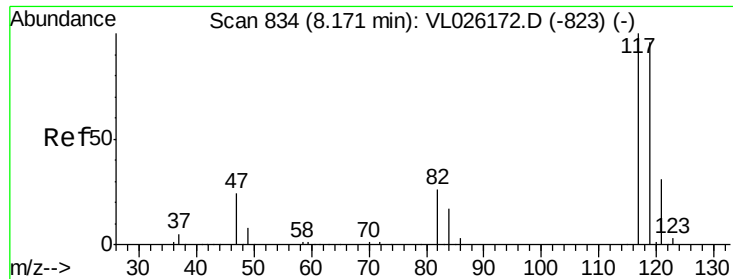
72 25.6 19.6 29.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.70 ppbv

RT: 8.15 min Scan# 830

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1145624

Ion Ratio Lower Upper

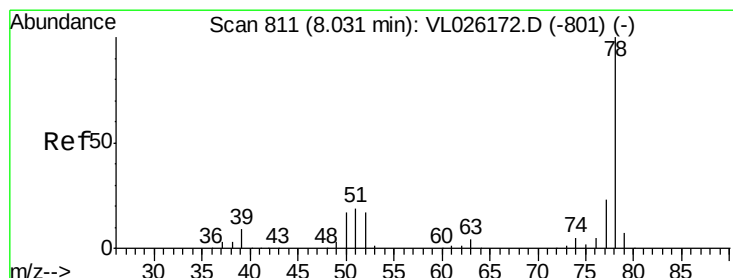
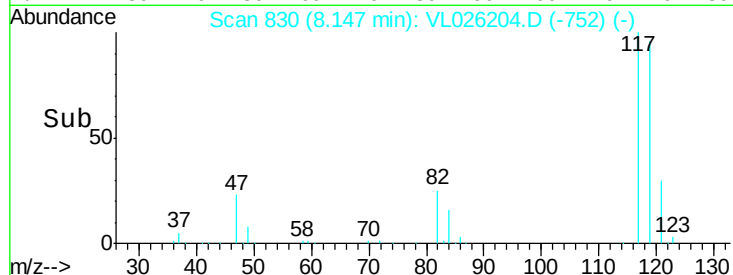
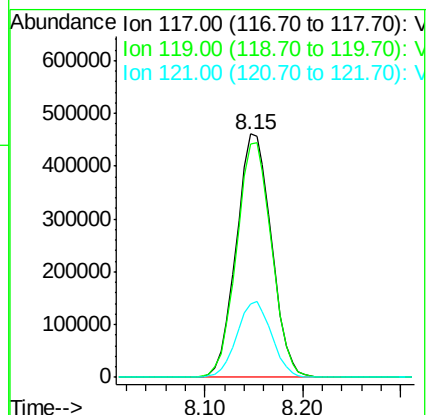
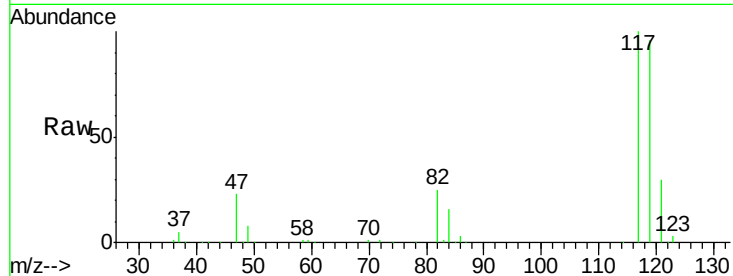
117 100

119 96.0 76.6 115.0

121 30.3 25.0 37.4

Manual Integrations
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#36

Benzene

Concen: 9.34 ppbv

RT: 8.01 min Scan# 808

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

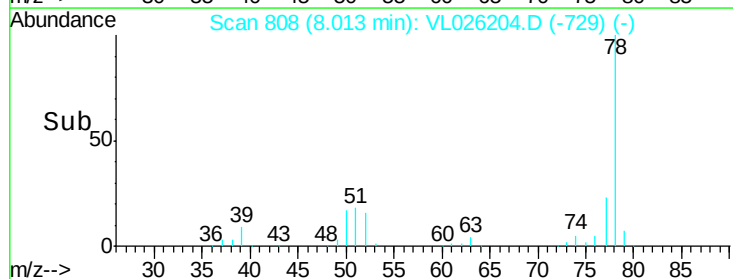
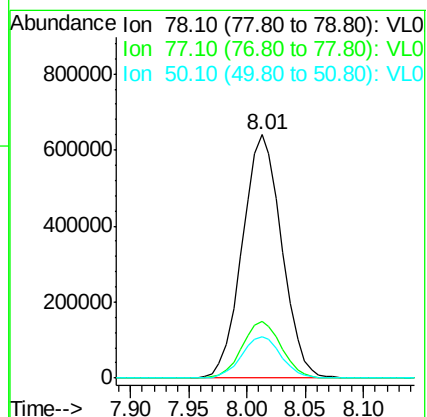
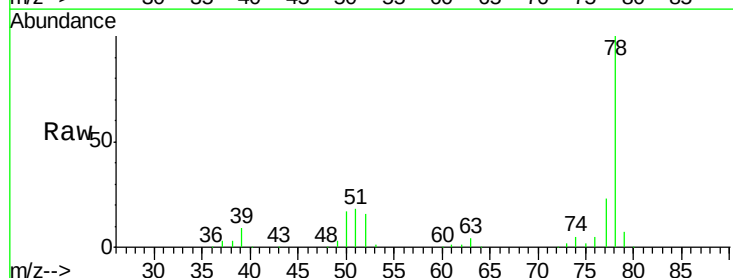
Tgt Ion: 78 Resp: 1508528

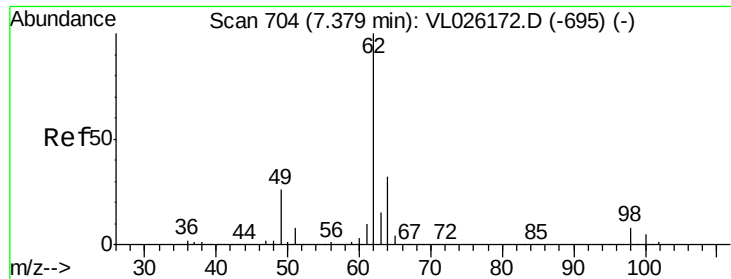
Ion Ratio Lower Upper

78 100

77 23.1 18.2 27.4

50 17.0 13.4 20.2





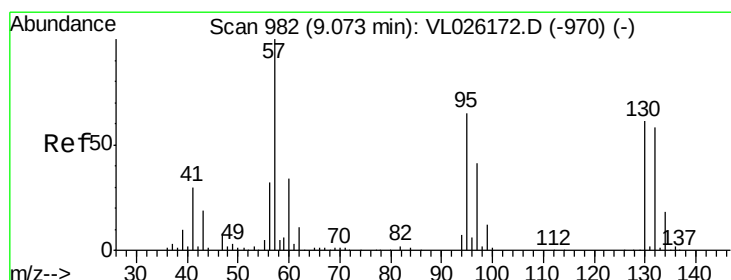
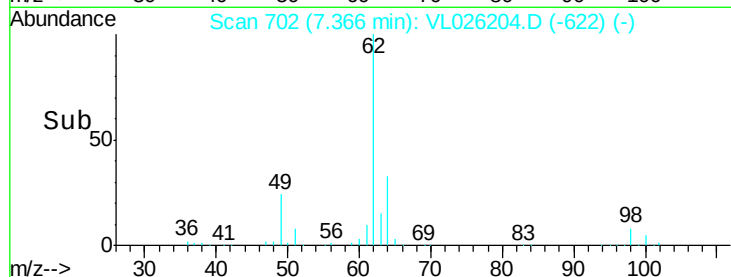
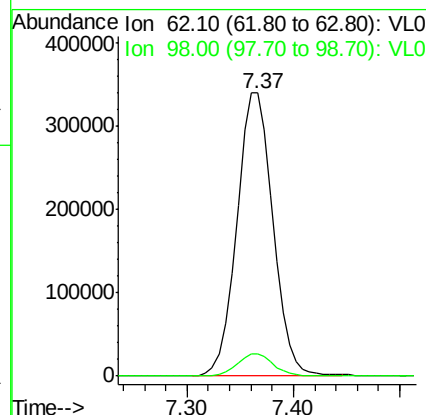
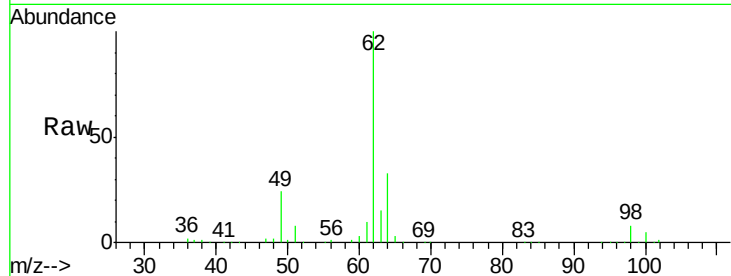
#37
1,2-Dichloroethane
Concen: 9.34 ppbv
RT: 7.37 min Scan# 702
Delta R.T. -0.01 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.2	9.2

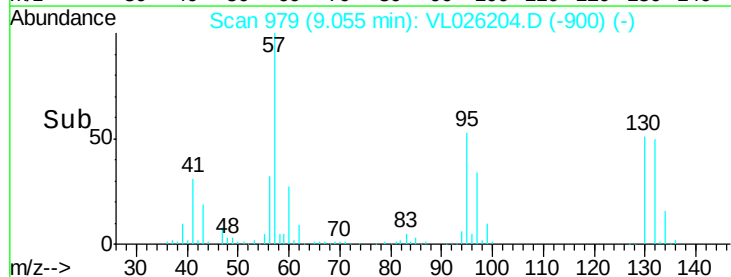
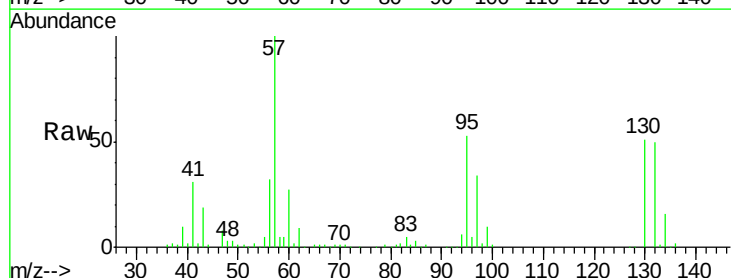
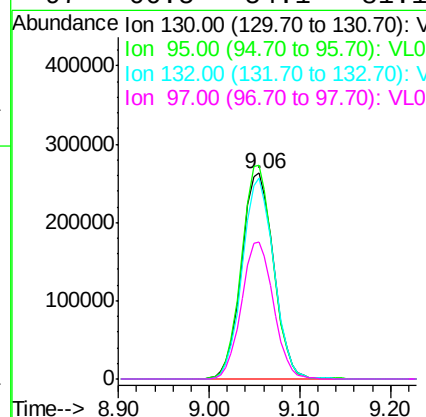
Manual Integrations
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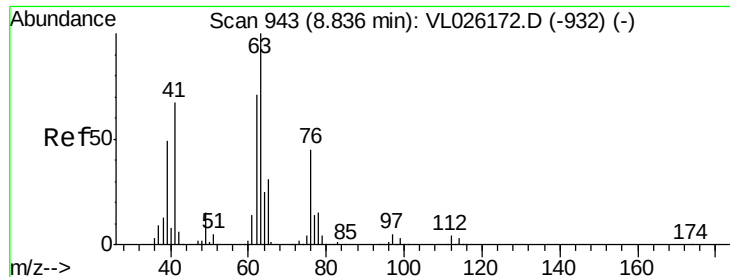
MMdadoda
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#38
Trichloroethene
Concen: 8.75 ppbv
RT: 9.06 min Scan# 979
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	84.9	127.3
132	97.7	76.8	115.2
97	66.5	54.1	81.1





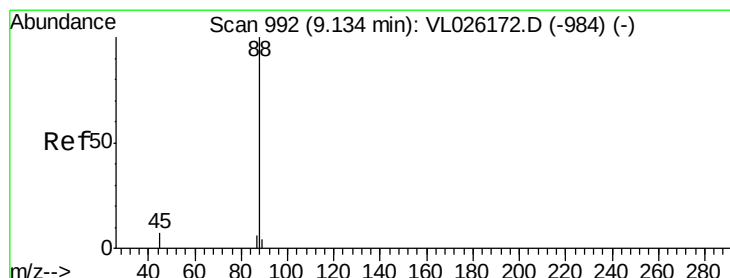
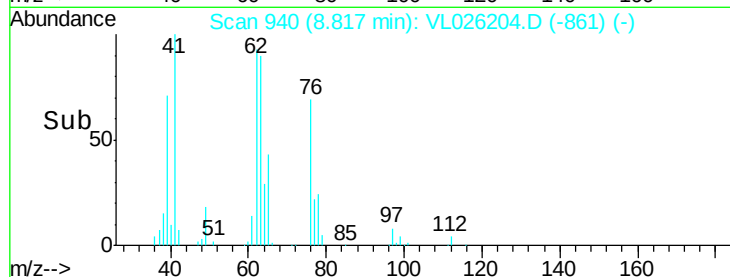
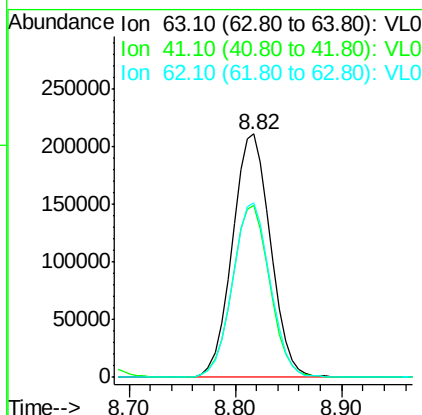
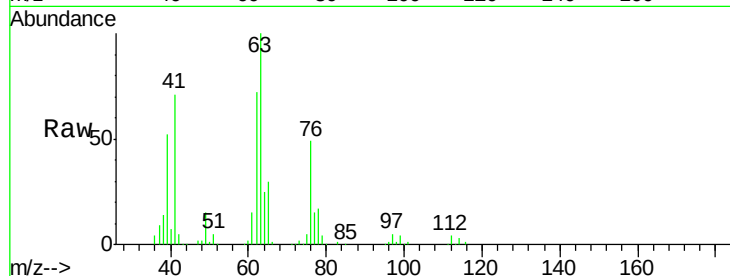
#39
 1,2-Dichloropropane
 Concen: 8.84 ppbv
 RT: 8.82 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	70.4	53.9	80.9
62	71.7	57.1	85.7

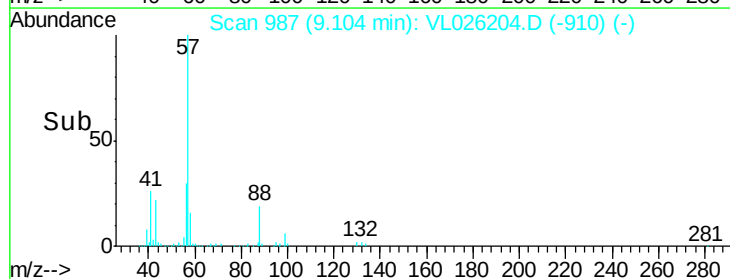
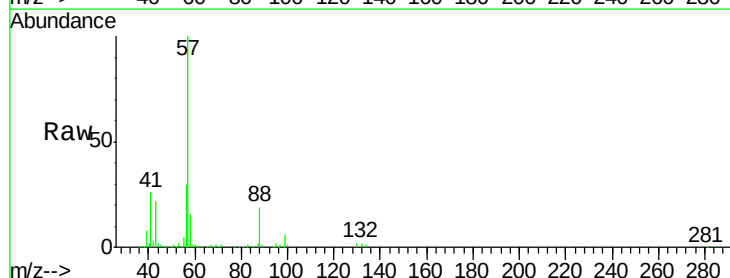
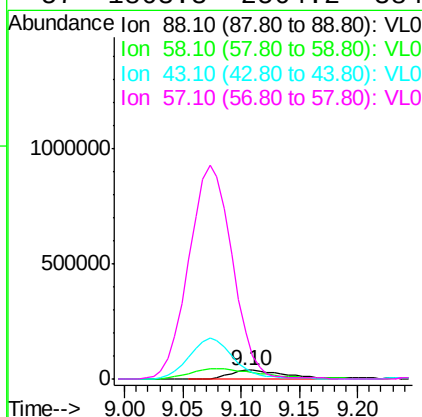
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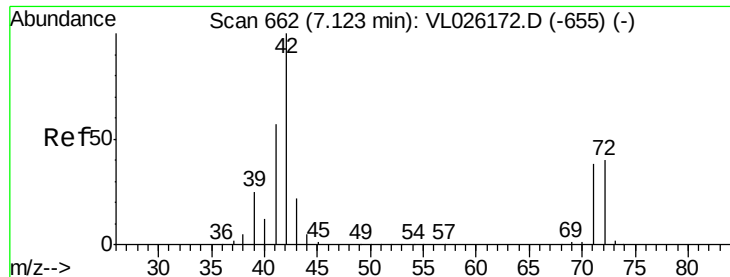
MMdadoda
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#40
 1,4-Dioxane
 Concen: 13.15 ppbv
 RT: 9.10 min Scan# 987
 Delta R.T. -0.03 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	154.7	178.4	267.6#
43	373.4	510.2	765.4#
57	1863.3	2564.2	3846.4#





#41

Tetrahydrofuran

Concen: 8.78 ppbv

RT: 7.11 min Scan# 660

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

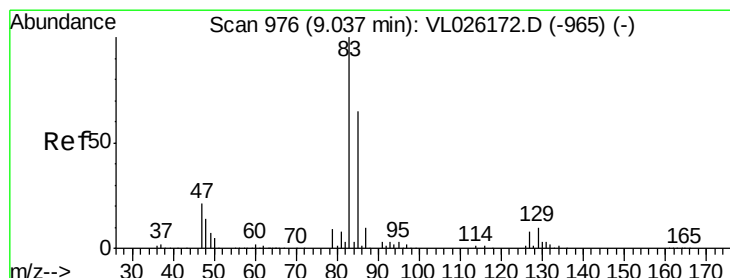
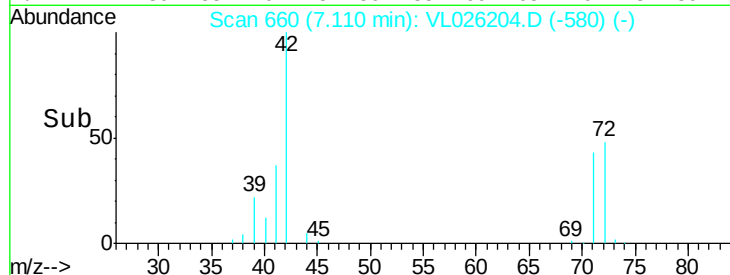
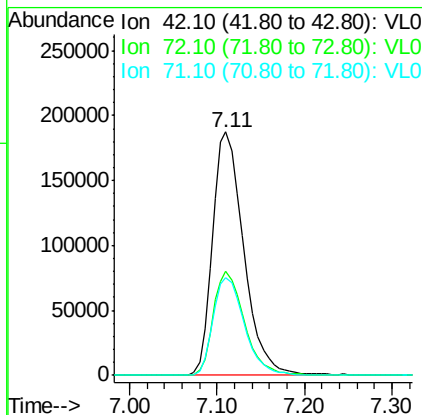
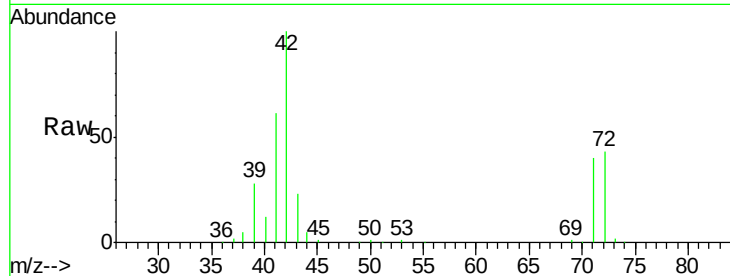
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	464918
Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.4	48.6
71	40.6	30.2	45.4

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.23 ppbv

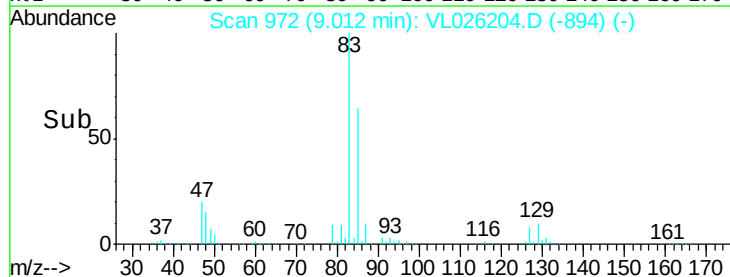
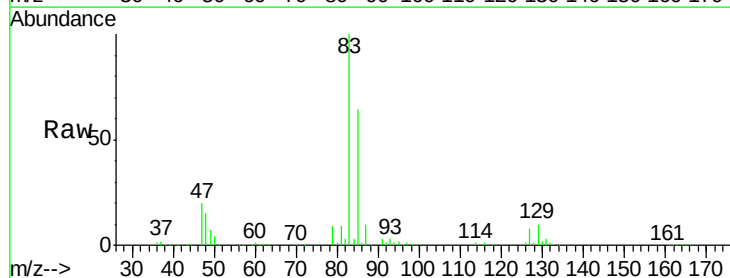
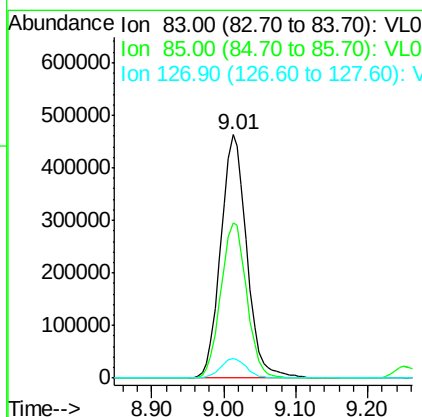
RT: 9.01 min Scan# 972

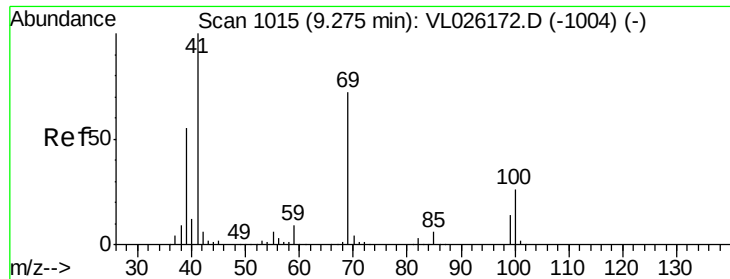
Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Tgt Ion:	83	Resp:	1165250
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.9	77.9
127	8.2	6.2	9.4





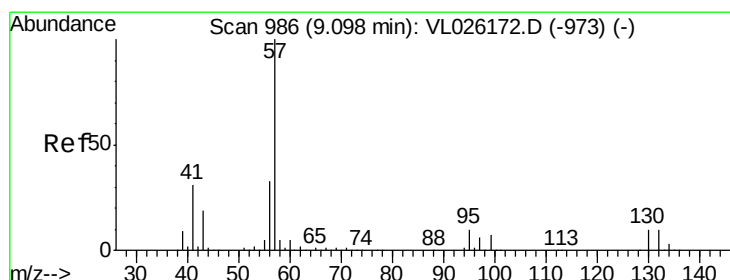
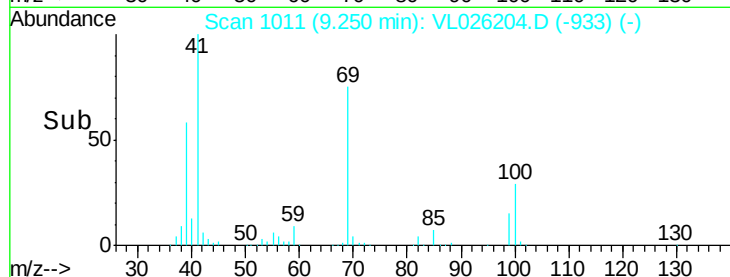
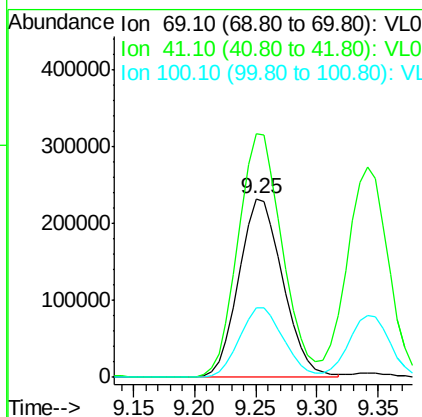
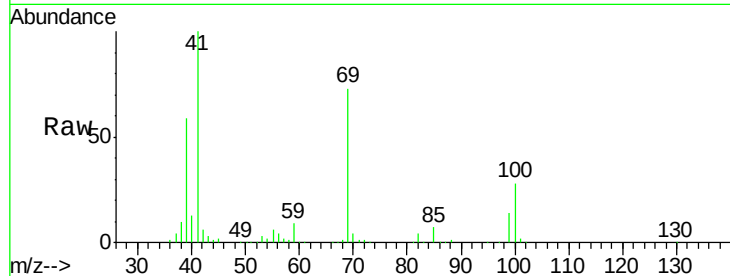
#43
Methyl Methacrylate
Concen: 10.22 ppbv
RT: 9.25 min Scan# 1011
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		581627		
41	137.4	111.5	167.3		
100	39.3	28.4	42.6		

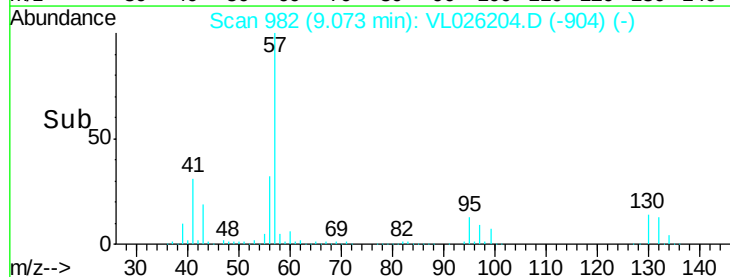
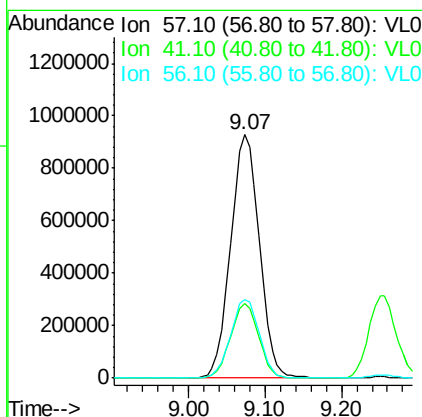
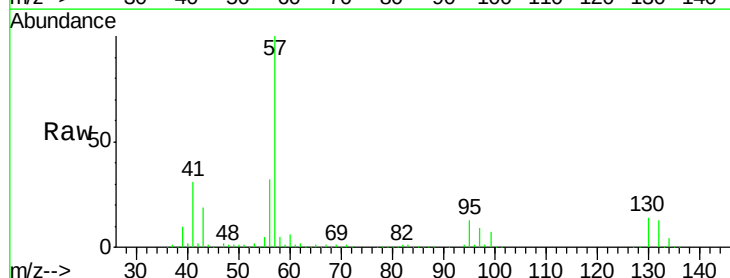
Manual Integrations
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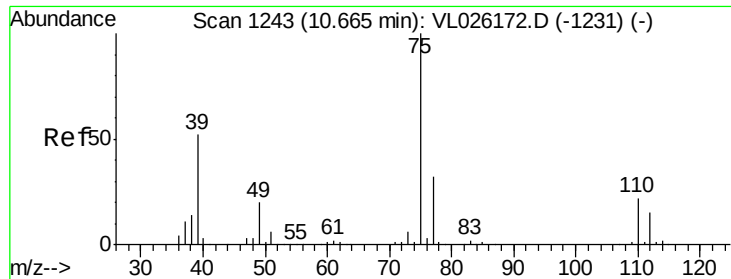
MMdadoda
10/12/2015 1:25:01 PM



#44
2,2,4-Trimethylpentane
Concen: 9.00 ppbv
RT: 9.07 min Scan# 982
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		2418263		
41	29.9	23.7	35.5		
56	32.2	26.4	39.6		





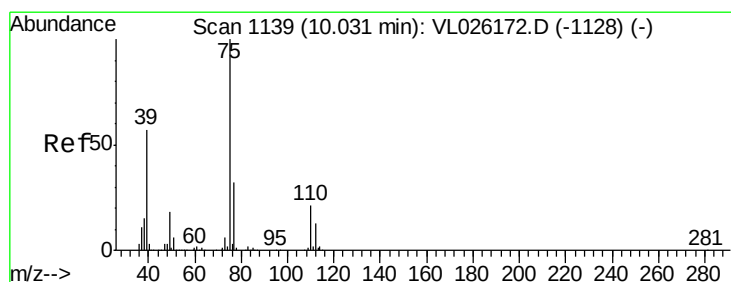
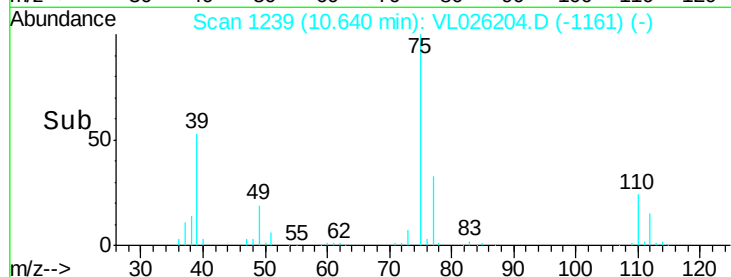
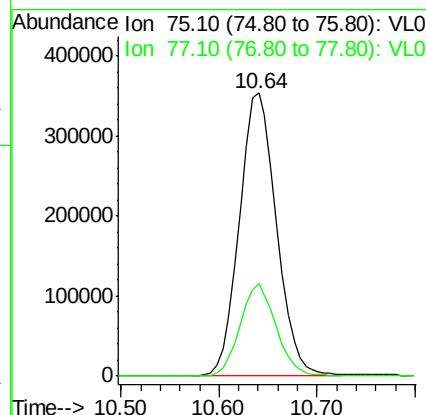
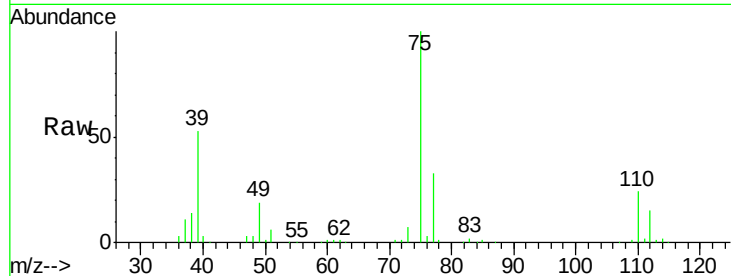
#45
 t-1,3-Dichloropropene
 Concen: 11.90 ppbv
 RT: 10.64 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 75 Resp: 931879
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.5 38.3

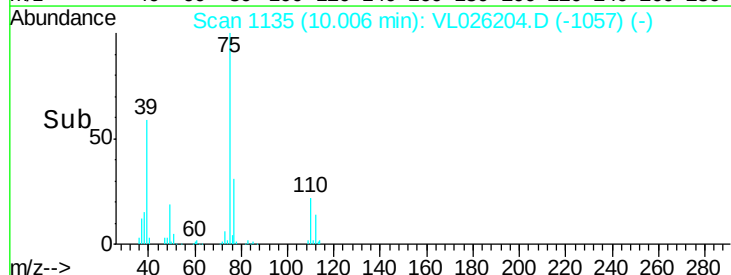
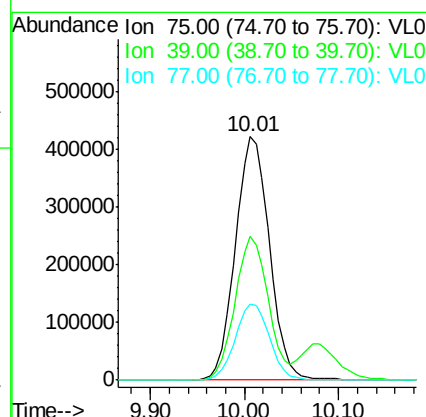
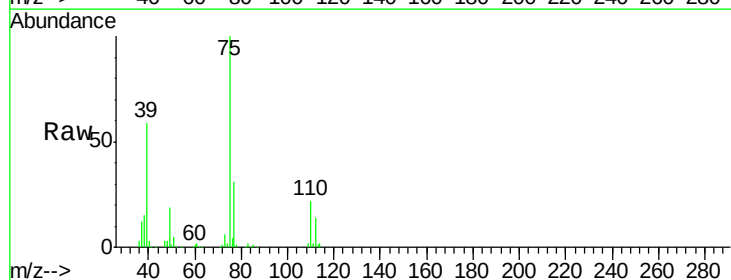
Manual Integrations
 APPROVED

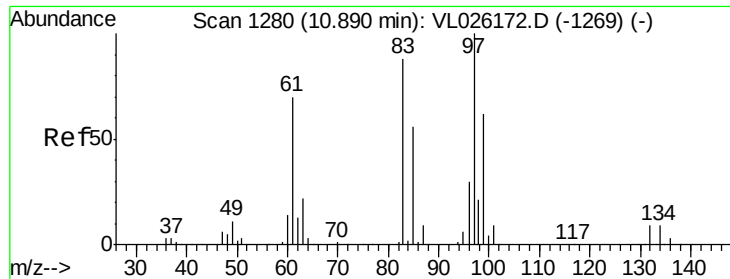
MMdadoda
 10/12/2015 1:25:01 PM



#46
 cis-1,3-Dichloropropene
 Concen: 11.08 ppbv
 RT: 10.01 min Scan# 1135
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion: 75 Resp: 1065210
 Ion Ratio Lower Upper
 75 100
 39 58.8 45.4 68.2
 77 31.4 25.4 38.2





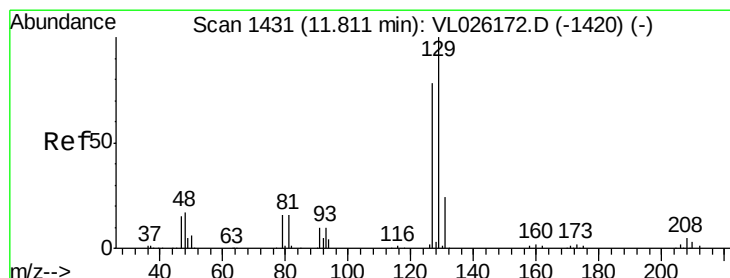
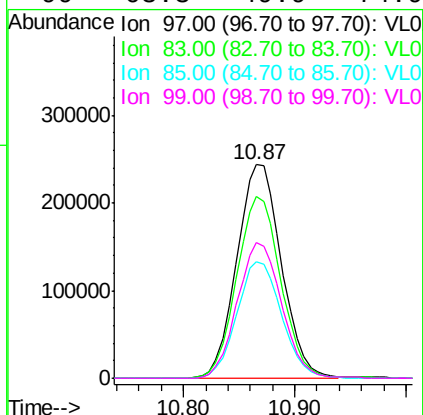
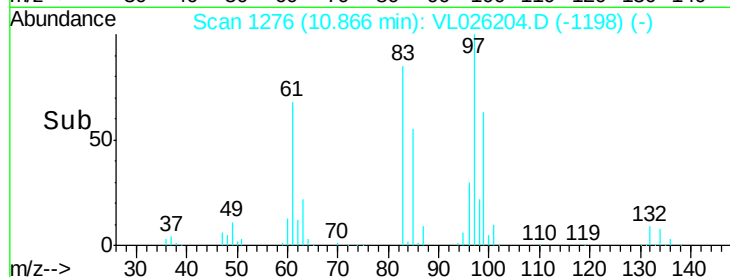
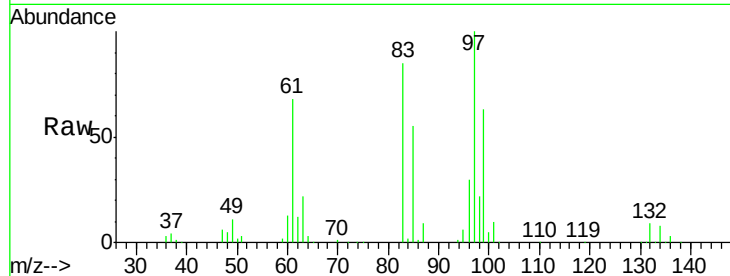
#47
 1,1,2-Trichloroethane
 Concen: 9.43 ppbv
 RT: 10.87 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.6	106.0
85	54.8	45.1	67.7
99	63.3	49.9	74.9

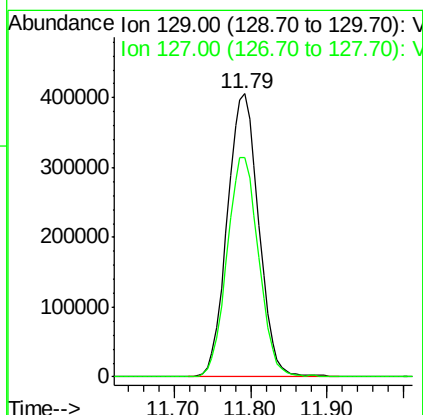
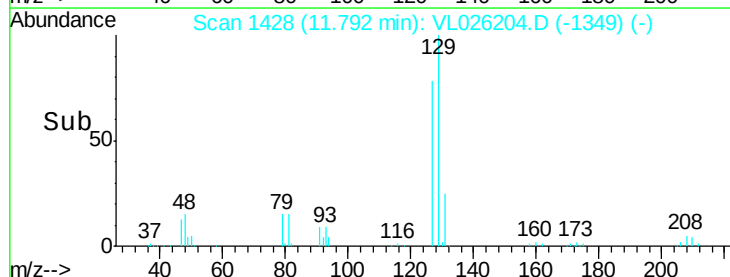
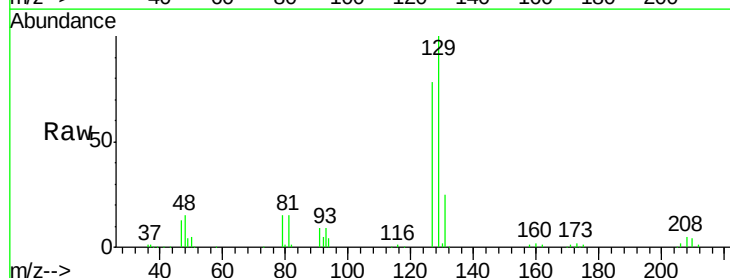
Manual Integrations
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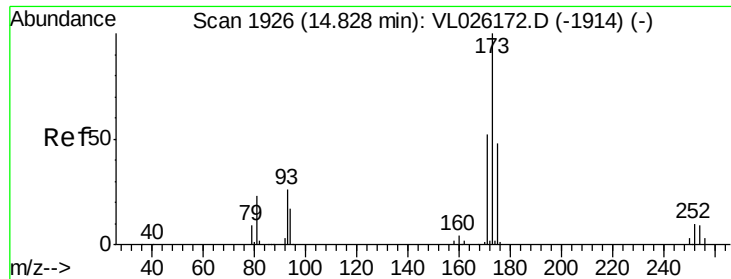
MMdadoda
 10/12/2015 1:25:01 PM



#48
 Dibromochloromethane
 Concen: 11.32 ppbv
 RT: 11.79 min Scan# 1428
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.0	117.0





#49

Bromoform

Concen: 12.61 ppbv

RT: 14.80 min Scan# 1922

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

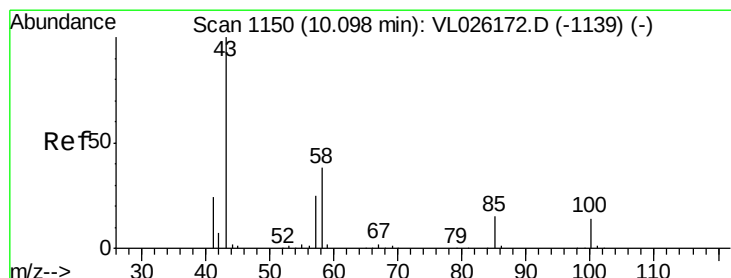
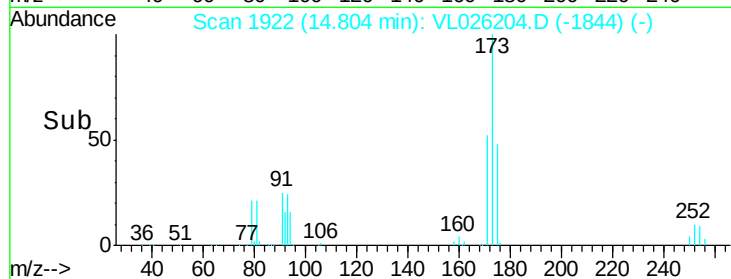
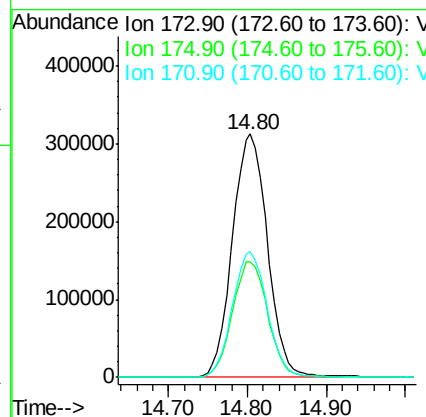
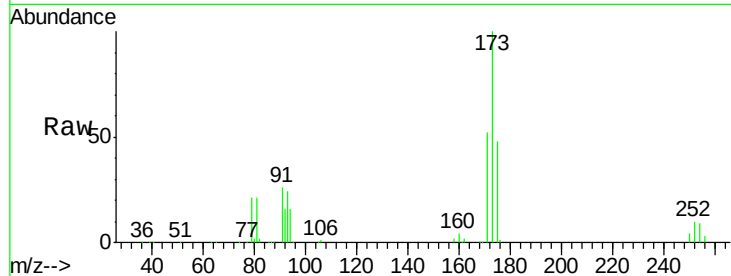
ClientSampleId :

VSTDCCC010EC

Tot Ion:	173	Resp:	968955
Ion Ratio	Lower	Upper	
173	100		
175	48.3	39.0	58.6
171	51.7	41.9	62.9

Manual Integrations
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MMdadoda
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#50

4-Methyl-2-Pentanone

Concen: 9.53 ppbv

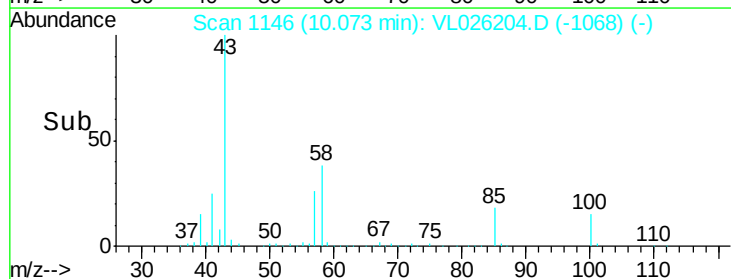
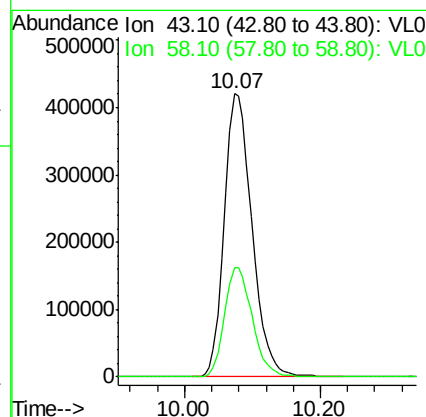
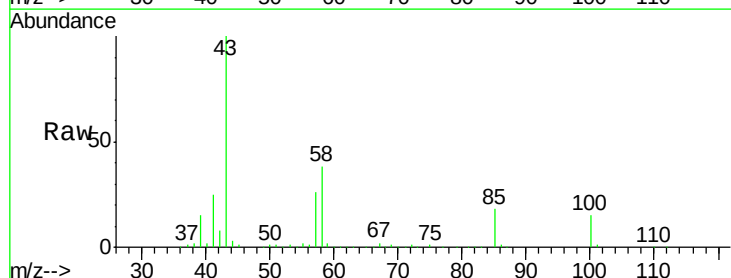
RT: 10.07 min Scan# 1146

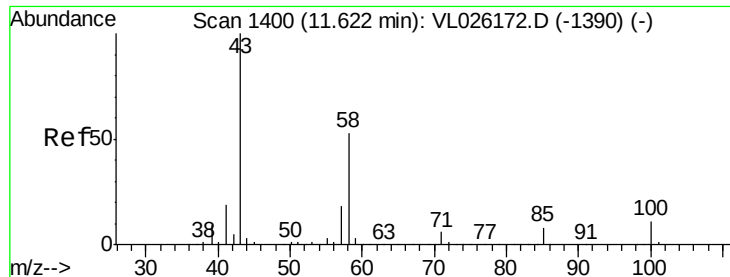
Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Tgt Ion:	43	Resp:	1185287
Ion Ratio	Lower	Upper	
43	100		
58	38.9	30.4	45.6





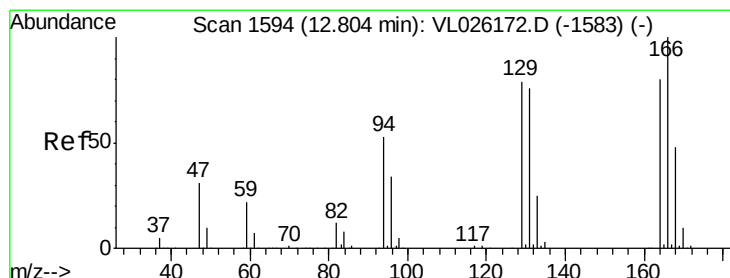
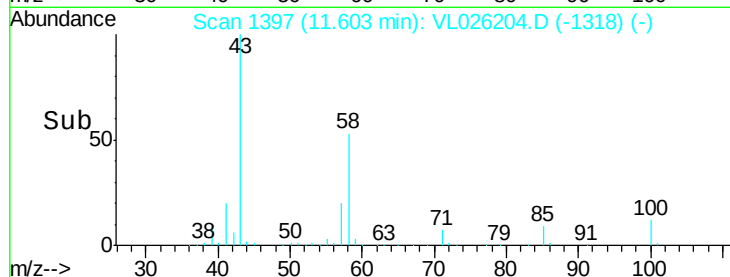
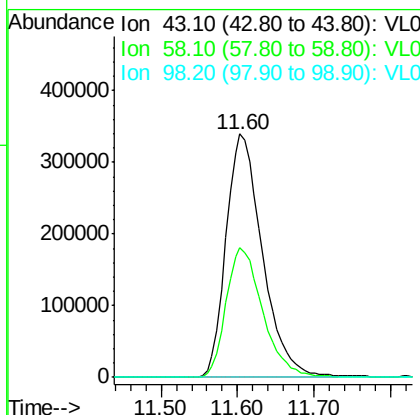
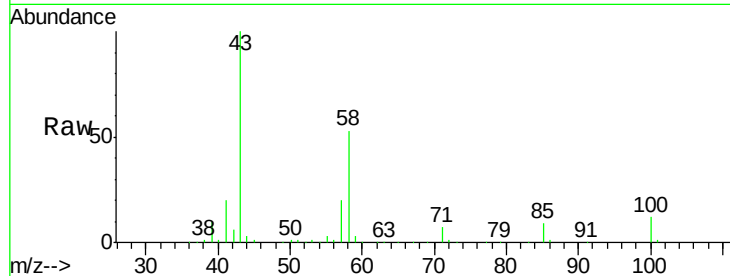
#51
2-Hexanone
Concen: 9.99 ppbv
RT: 11.60 min Scan# 1397
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1116345
Ion Ratio Lower Upper
43 100
58 53.9 42.2 63.4
98 0.0 0.2 0.2#

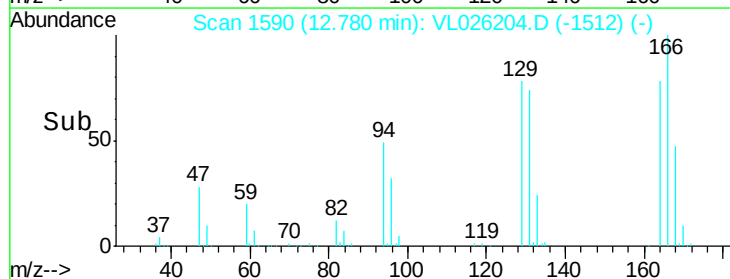
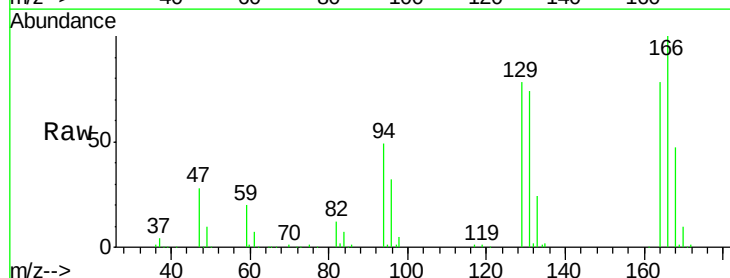
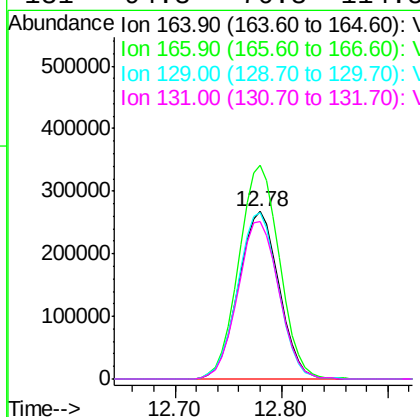
Manual Integrations
APPROVED

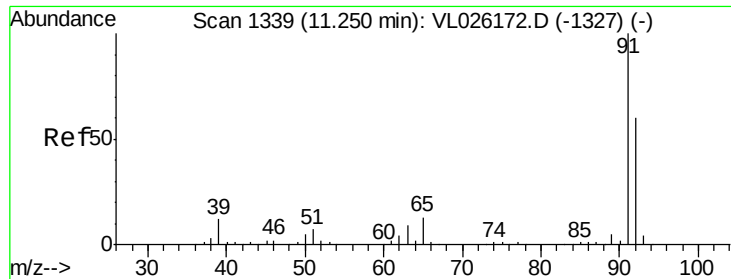
MMdadoda
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#52
Tetrachloroethene
Concen: 8.99 ppbv
RT: 12.78 min Scan# 1590
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion: 164 Resp: 717504
Ion Ratio Lower Upper
164 100
166 127.4 99.9 149.9
129 98.9 79.1 118.7
131 94.3 76.3 114.5





#53

Toluene

Concen: 9.98 ppbv

RT: 11.23 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2077887

Ion Ratio Lower Upper

91 100

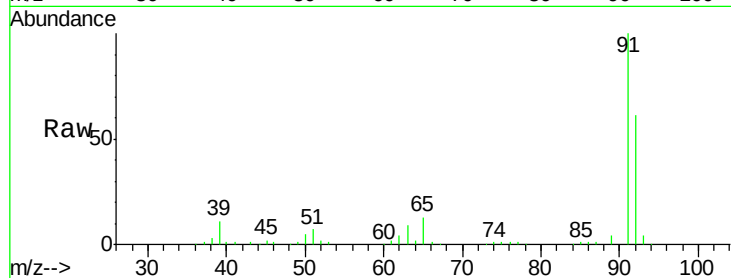
92 60.9 48.5 72.7

Manual Integrations

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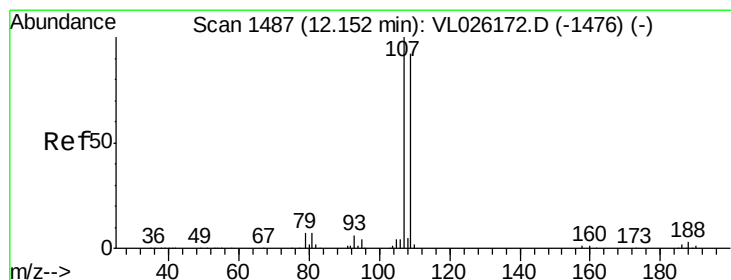
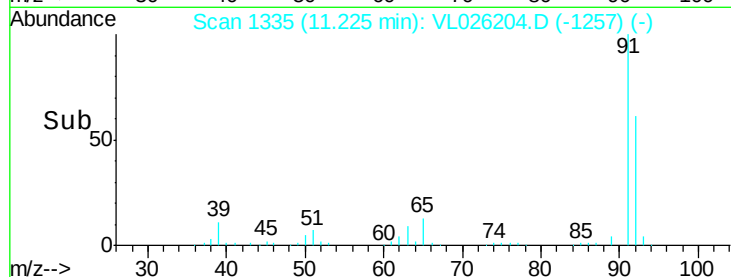
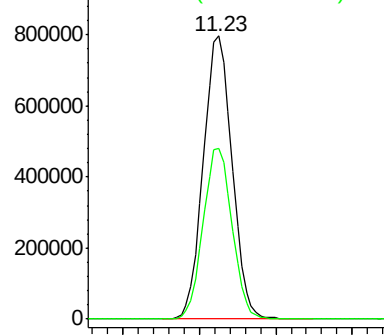
MMdadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.84 ppbv

RT: 12.13 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VL026204.D

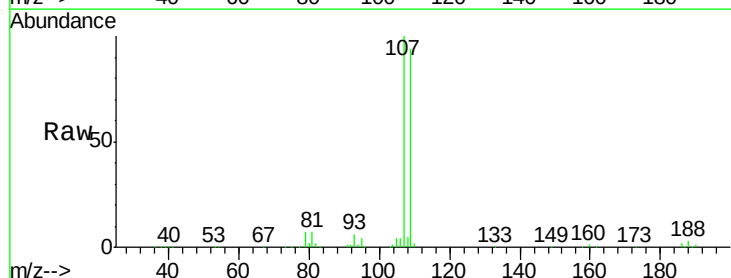
Acq: 10 Oct 2015 9:31

Tgt Ion: 107 Resp: 1062310

Ion Ratio Lower Upper

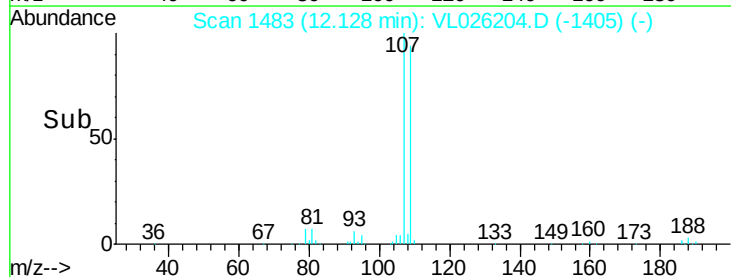
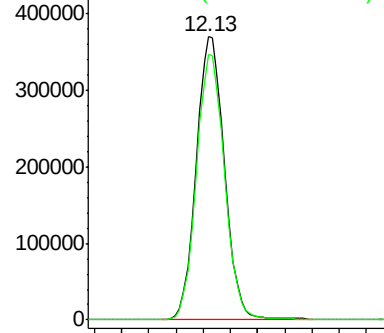
107 100

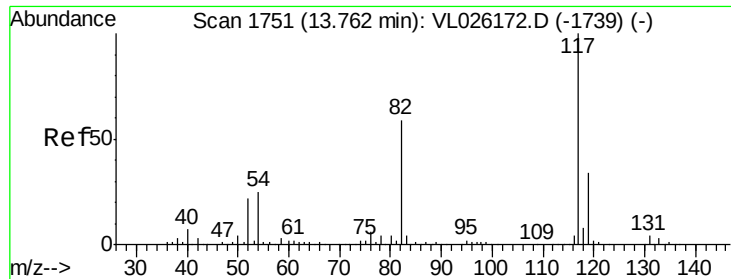
109 94.0 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





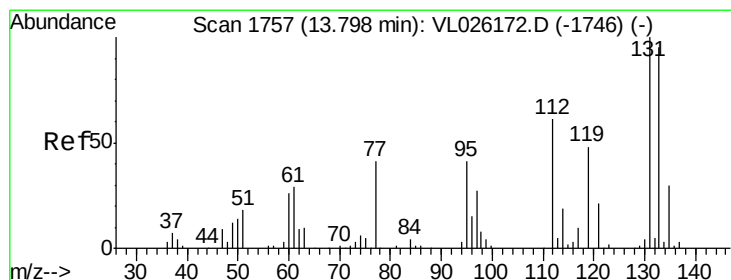
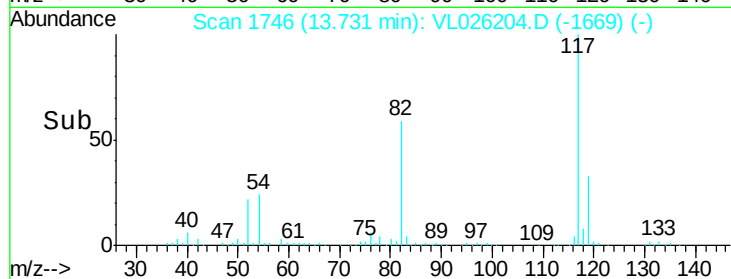
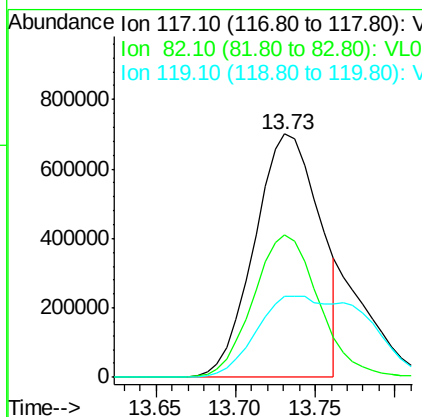
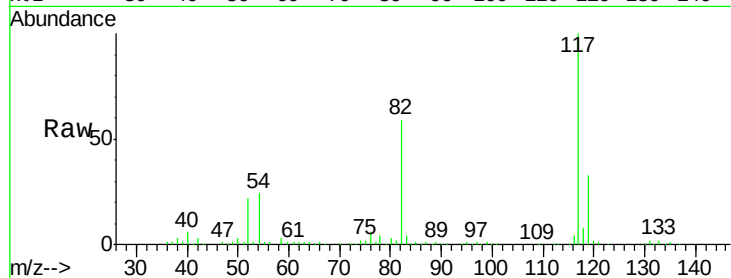
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.73 min Scan# 1746
Delta R.T. -0.03 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2001733
Ion Ratio Lower Upper
117 100
82 59.7 47.7 71.5
119 57.7 43.7 65.5

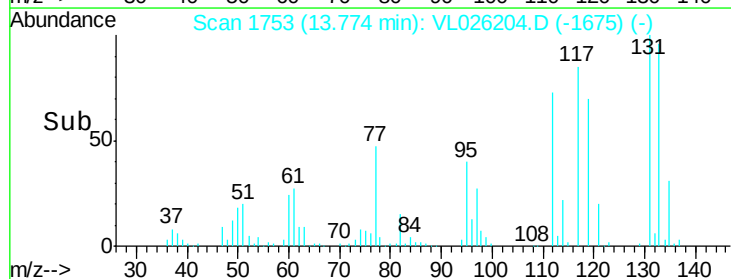
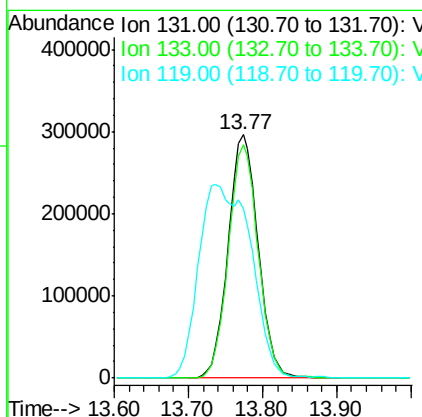
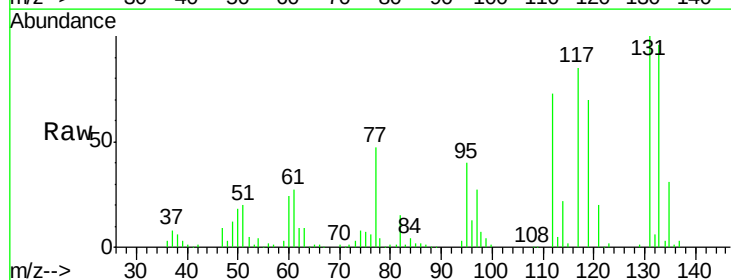
Manual Integrations
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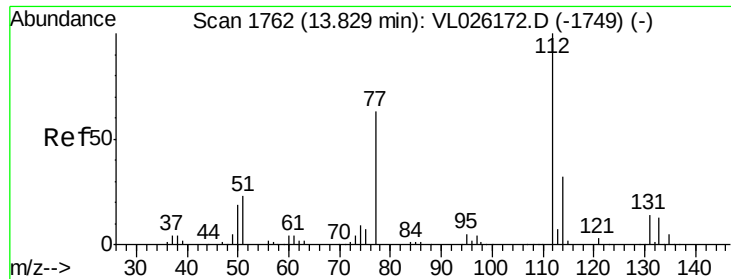
MMdadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.42 ppbv
RT: 13.77 min Scan# 1753
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion:131 Resp: 835628
Ion Ratio Lower Upper
131 100
133 95.8 76.5 114.7
119 138.2 116.0 174.0





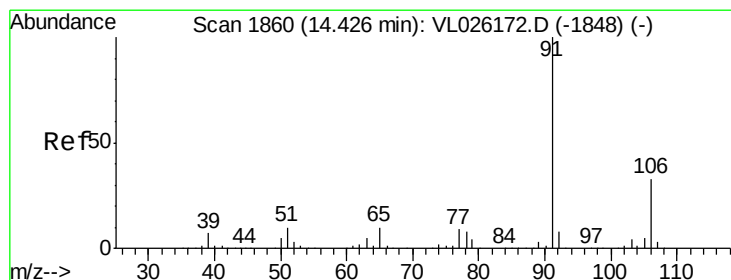
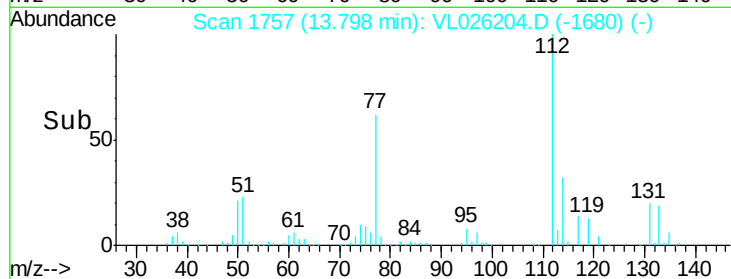
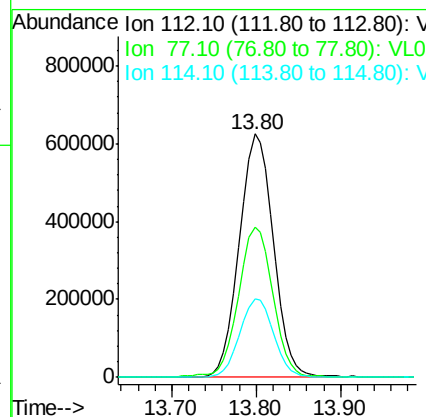
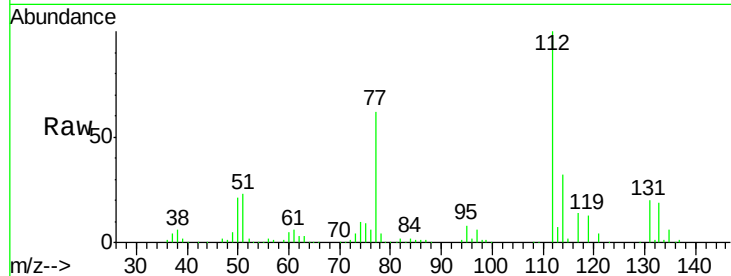
#57
Chlorobenzene
Concen: 9.52 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. -0.03 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 112 Resp: 1720856
Ion Ratio Lower Upper
112 100
77 61.3 51.0 76.4
114 32.2 29.0 35.4

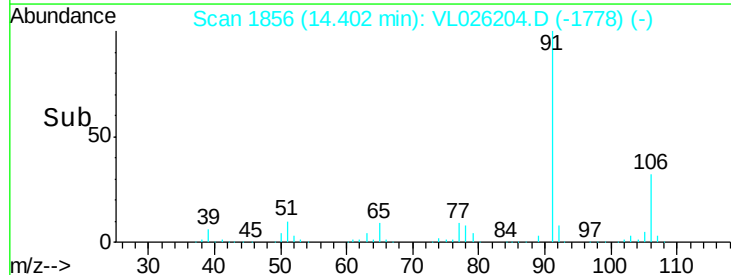
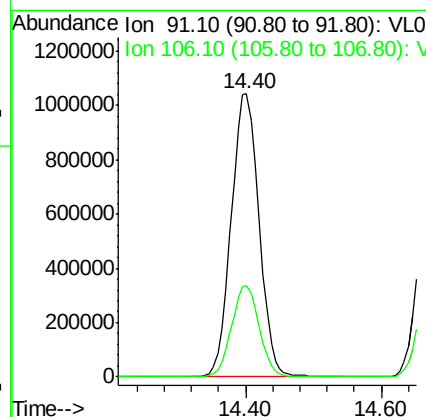
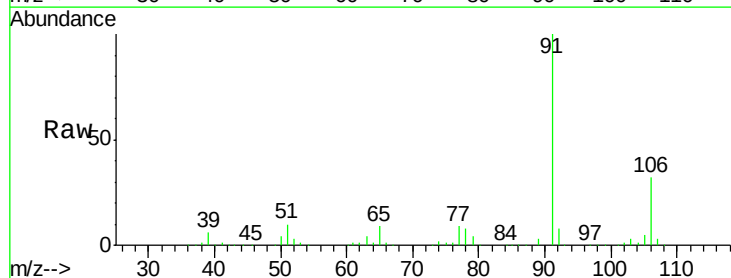
Manual Integrations
APPROVED

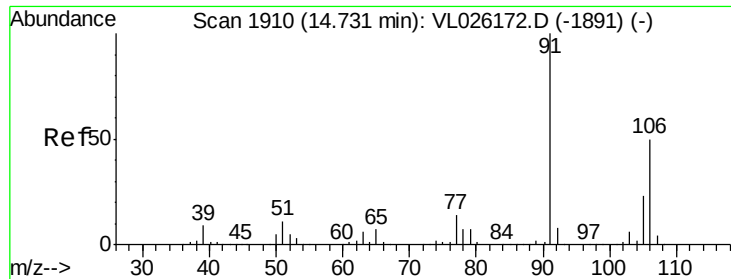
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#58
Ethyl Benzene
Concen: 10.19 ppbv
RT: 14.40 min Scan# 1856
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion: 91 Resp: 2961877
Ion Ratio Lower Upper
91 100
106 32.1 26.1 39.1





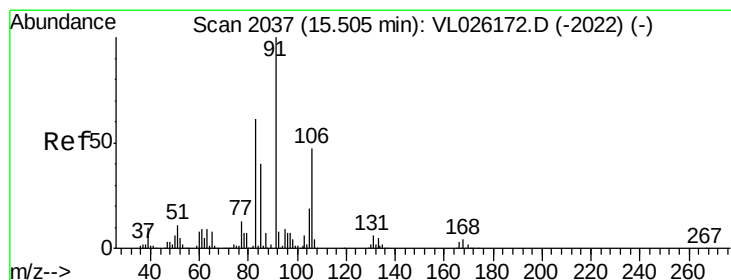
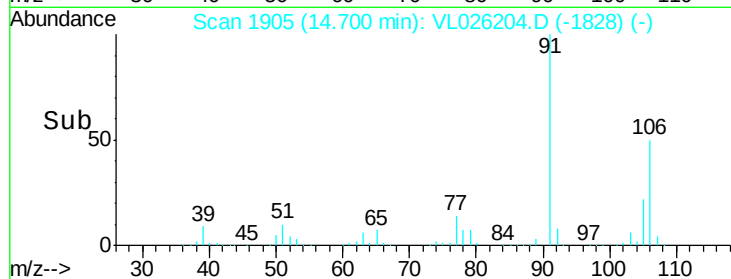
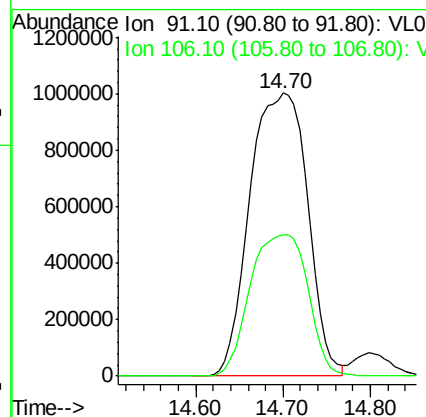
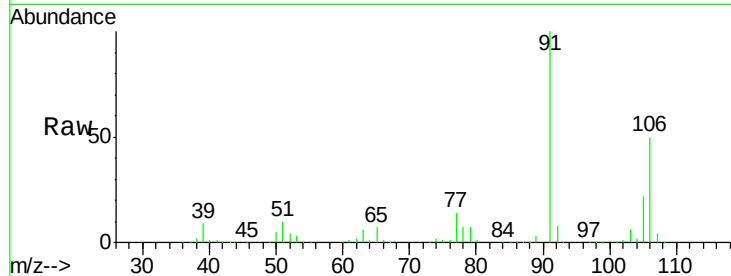
#59
m/p-Xylene
Concen: 19.69 ppbv
RT: 14.70 min Scan# 1905
Delta R.T. -0.03 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4595462
Ion Ratio Lower Upper
91 100
106 50.4 40.2 60.4

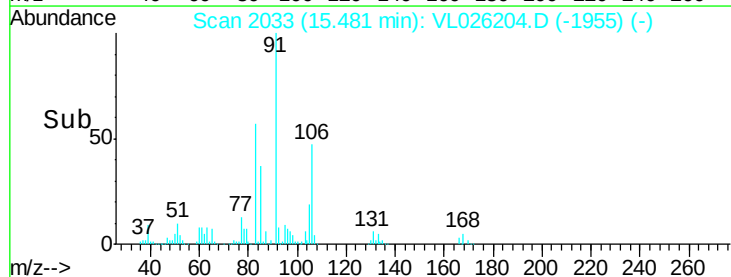
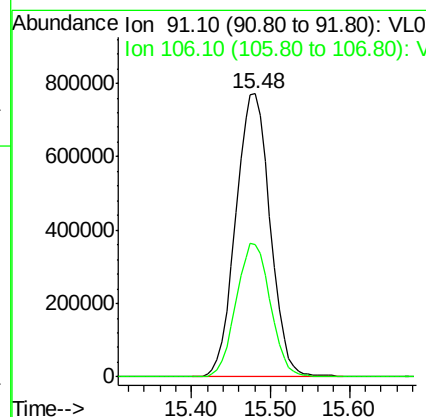
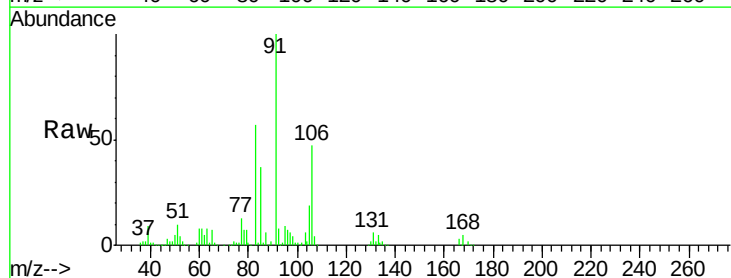
Manual Integrations
APPROVED

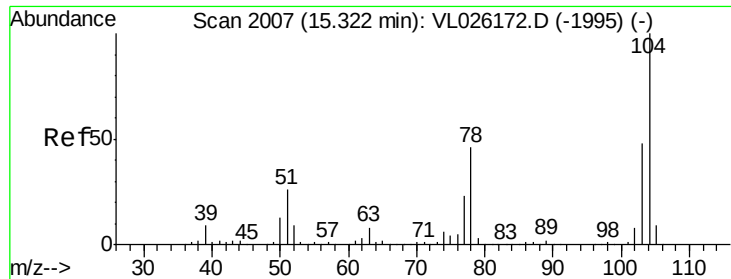
MMdadoda
10/12/2015 1:25:01 PM



#60
o-Xylene
Concen: 9.57 ppbv
RT: 15.48 min Scan# 2033
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion: 91 Resp: 2340756
Ion Ratio Lower Upper
91 100
106 47.2 23.4 70.3





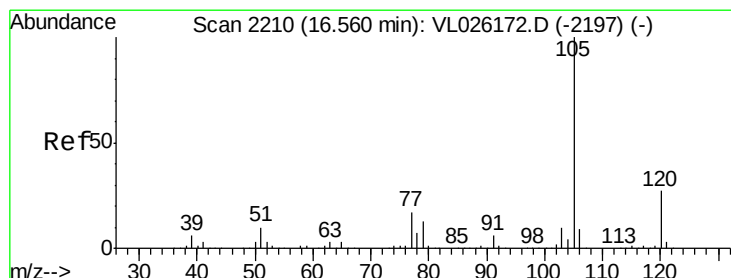
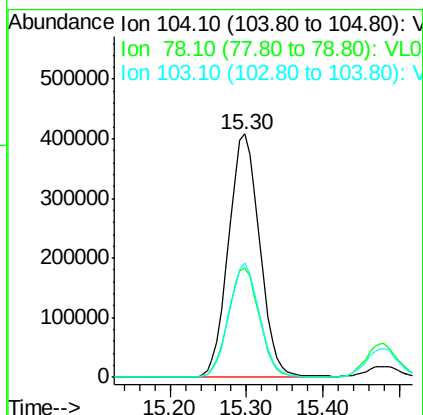
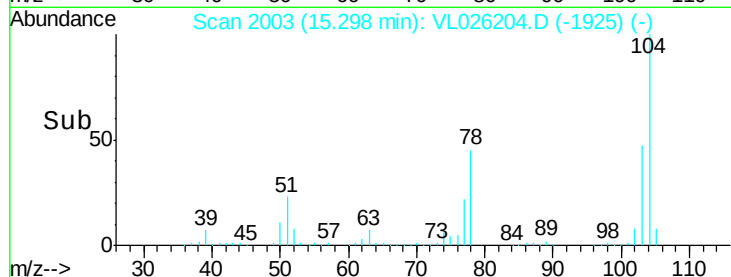
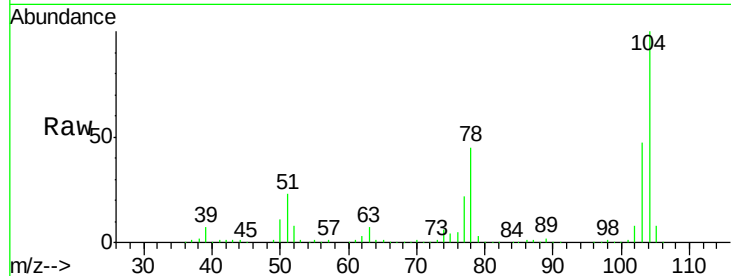
#61
Stvrene
Concen: 11.54 ppbv
RT: 15.30 min Scan# 2003
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 1153901
Ion Ratio Lower Upper
104 100
78 45.2 36.1 54.1
103 46.0 37.5 56.3

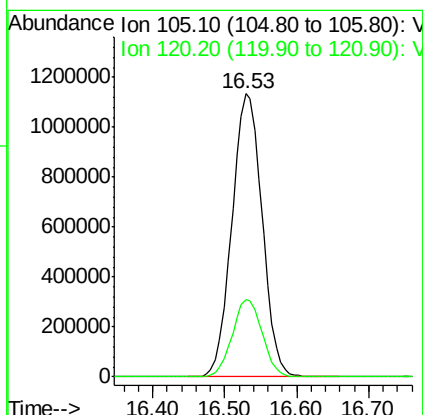
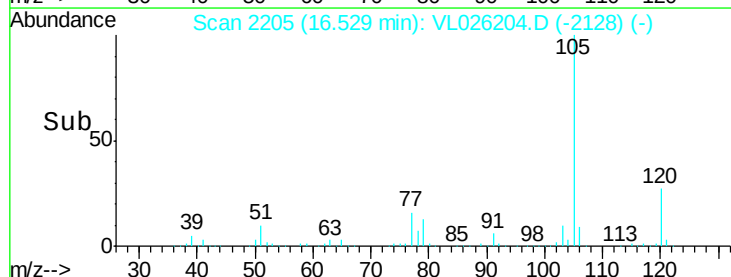
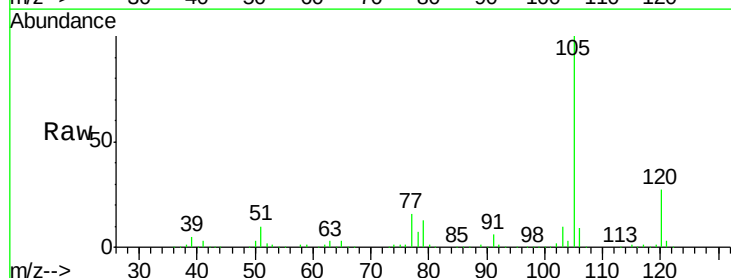
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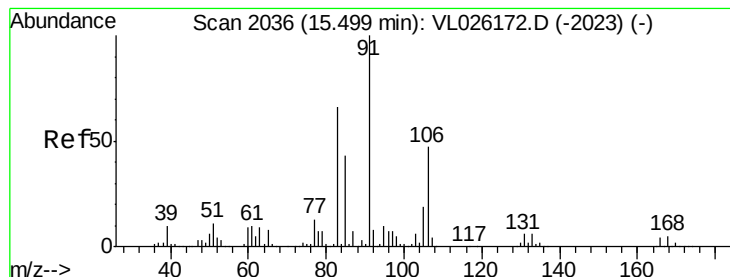
MMdadoda
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#62
Isopropylbenzene
Concen: 10.26 ppbv
RT: 16.53 min Scan# 2205
Delta R.T. -0.03 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion:105 Resp: 3306545
Ion Ratio Lower Upper
105 100
120 27.2 21.8 32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 7.92 ppbv

RT: 15.47 min Scan# 2032

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1439686

Ion Ratio Lower Upper

83 100

131 10.0 4.5 13.7

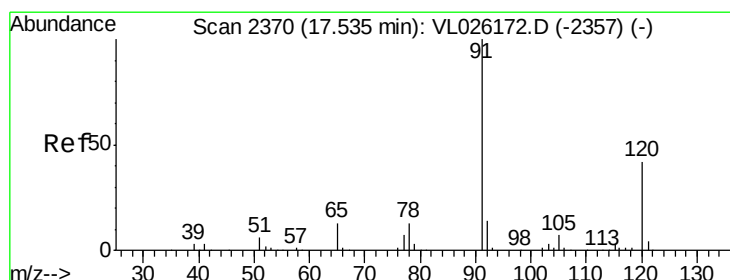
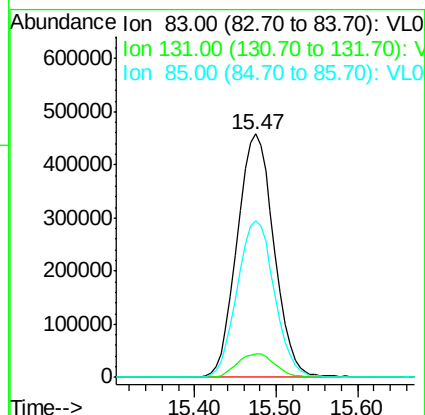
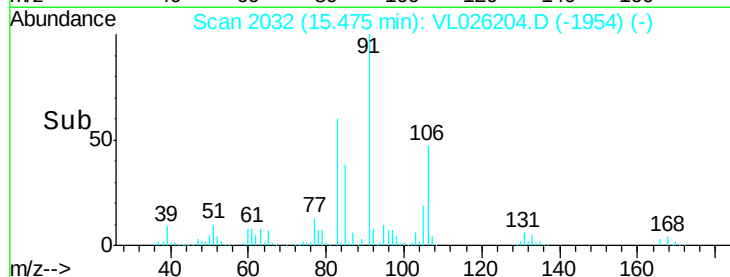
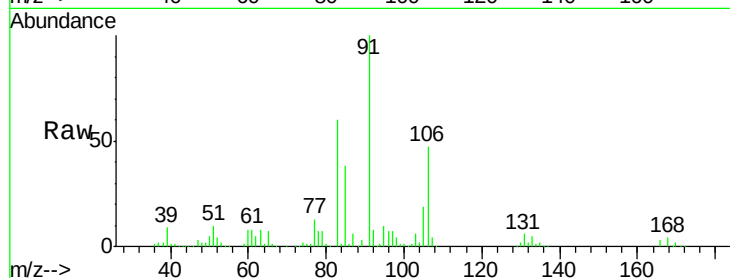
85 65.1 32.6 97.7

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#64

n-propylbenzene

Concen: 10.48 ppbv

RT: 17.50 min Scan# 2365

Delta R.T. -0.03 min

Lab File: VL026204.D

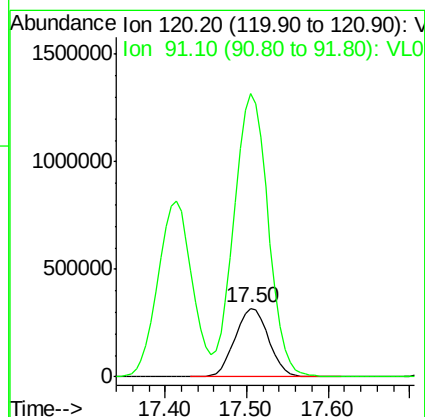
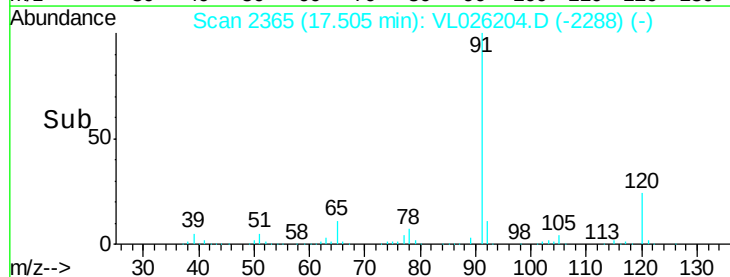
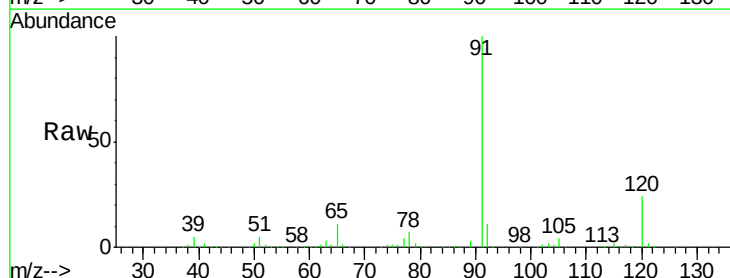
Acq: 10 Oct 2015 9:31

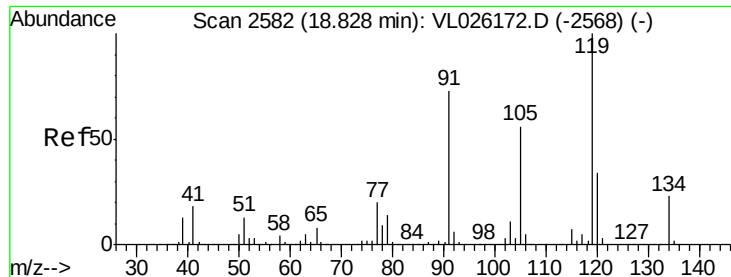
Tgt Ion: 120 Resp: 909911

Ion Ratio Lower Upper

120 100

91 421.4 353.4 530.2





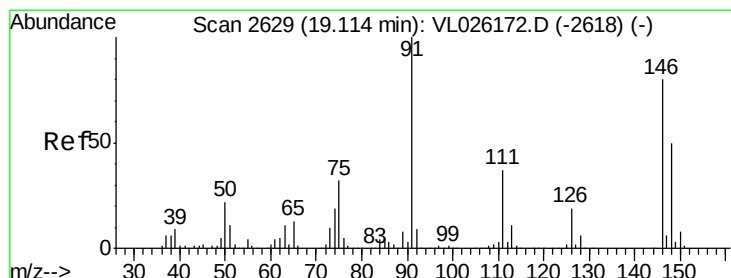
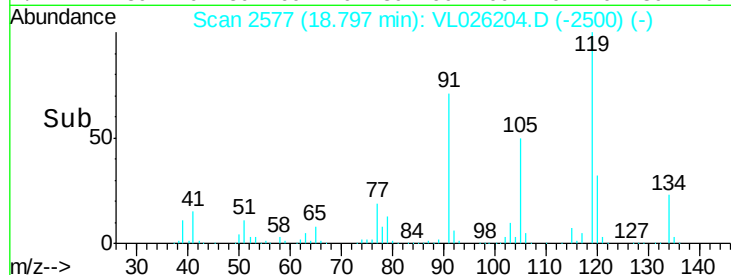
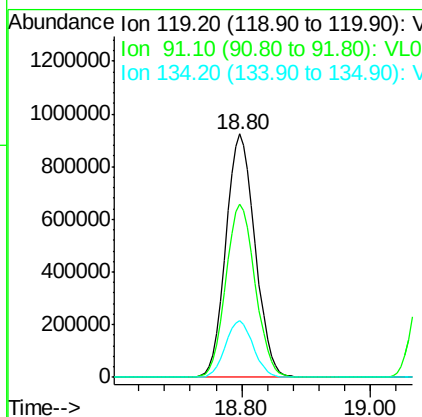
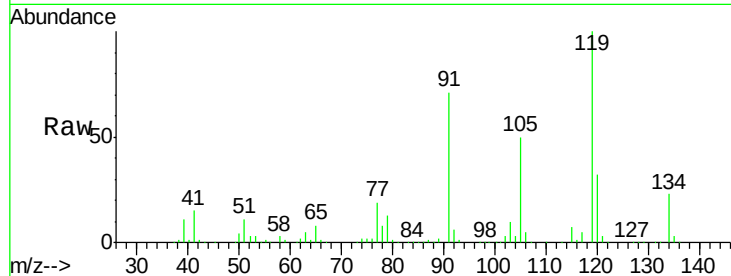
#65
 tert-Butylbenzene
 Concen: 10.31 ppbv
 RT: 18.80 min Scan# 2577
 Delta R.T. -0.03 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 2930157
 Ion Ratio Lower Upper
 119 100
 91 71.7 58.5 87.7
 134 22.1 18.0 27.0

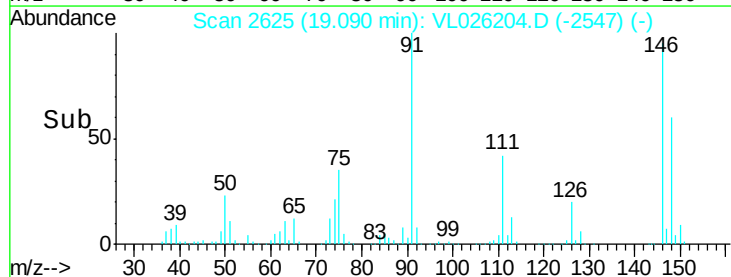
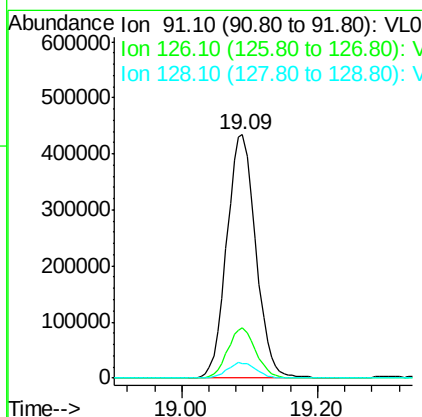
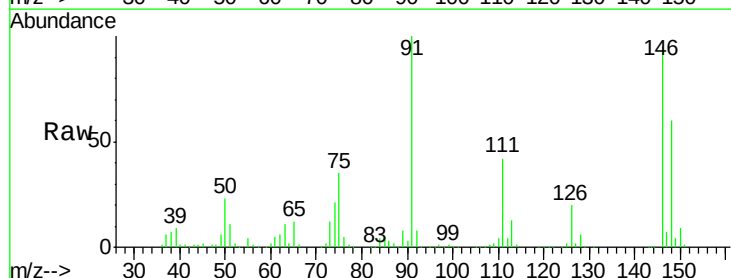
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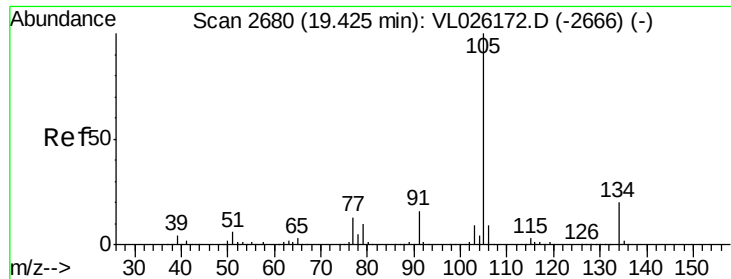
MMdadoda
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#66
 Benzyl Chloride
 Concen: 15.11 ppbv
 RT: 19.09 min Scan# 2625
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion: 91 Resp: 1276459
 Ion Ratio Lower Upper
 91 100
 126 20.3 15.2 22.8
 128 6.4 4.8 7.2





#67

sec-Butylbenzene

Concen: 10.37 ppbv

RT: 19.39 min Scan# 2675

Delta R.T. -0.03 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 4109171

Ion Ratio Lower Upper

105 100

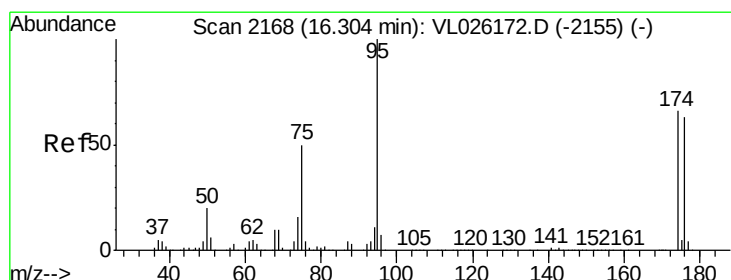
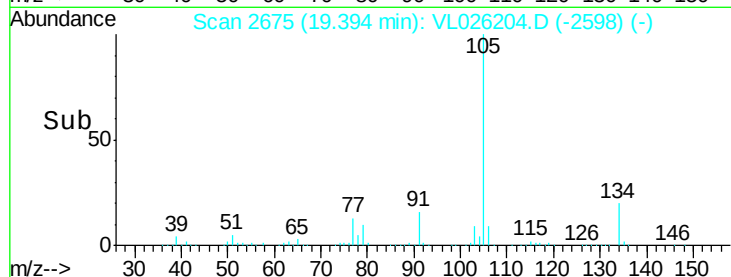
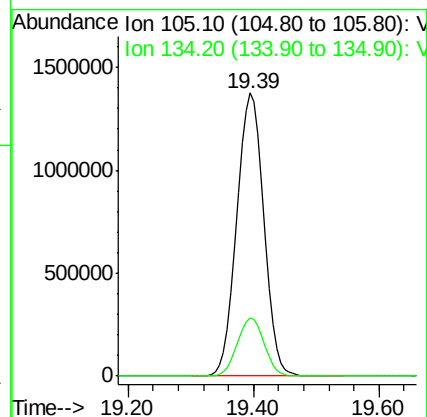
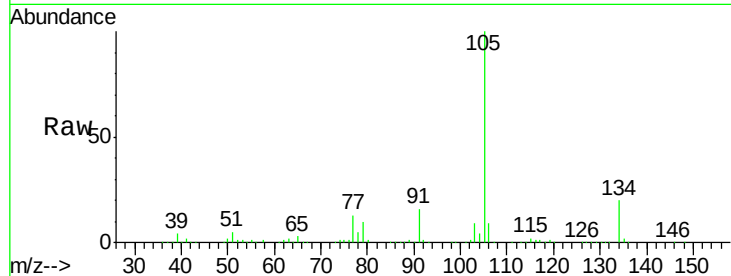
134 20.5 15.9 23.9

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.36 ppbv

RT: 16.27 min Scan# 2163

Delta R.T. -0.03 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

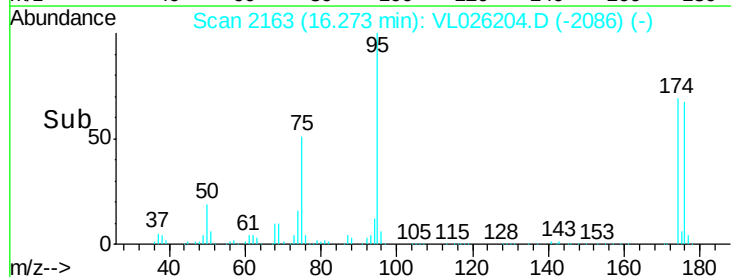
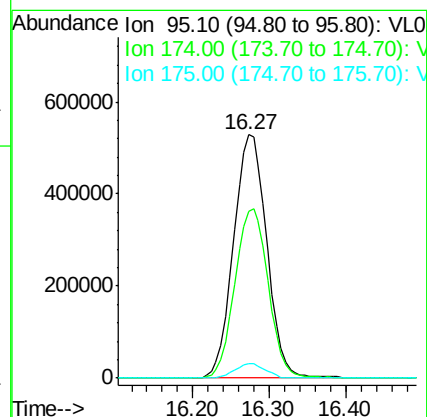
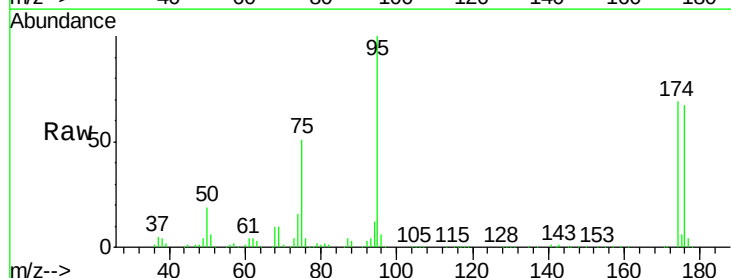
Tgt Ion: 95 Resp: 1591300

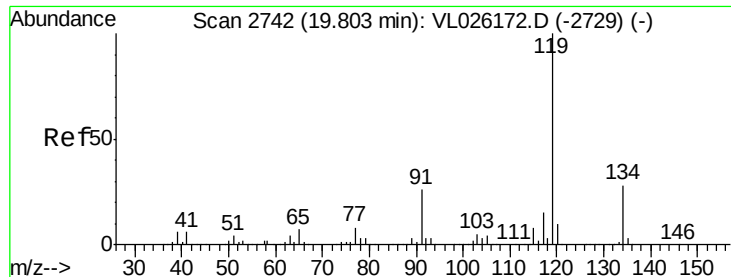
Ion Ratio Lower Upper

95 100

174 70.3 52.2 78.4

175 5.5 3.9 5.9





#69

p-Isopropyltoluene

Concen: 11.00 ppbv

RT: 19.77 min Scan# 2737

Delta R.T. -0.03 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 119 Resp: 3487569

Ion Ratio Lower Upper

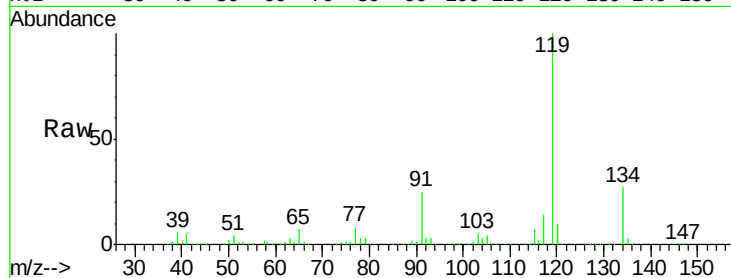
119 100

134 26.5 21.4 32.0

91 24.5 19.9 29.9

Manual Integrations
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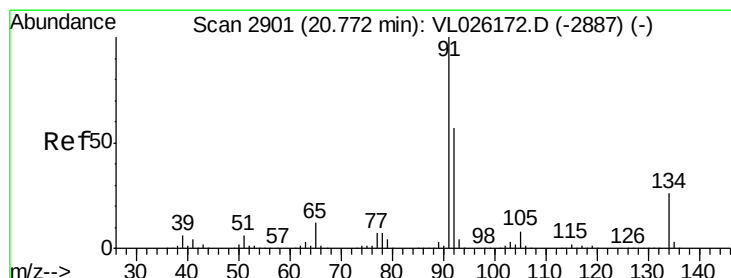
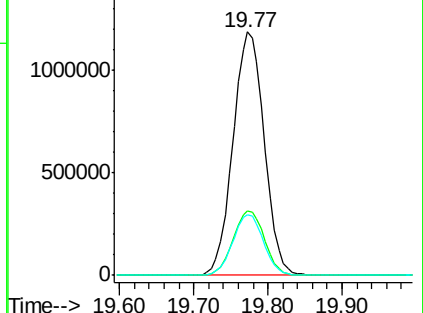
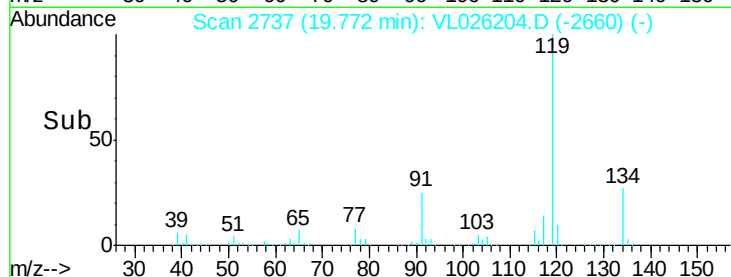
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.23 ppbv

RT: 20.74 min Scan# 2896

Delta R.T. -0.03 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

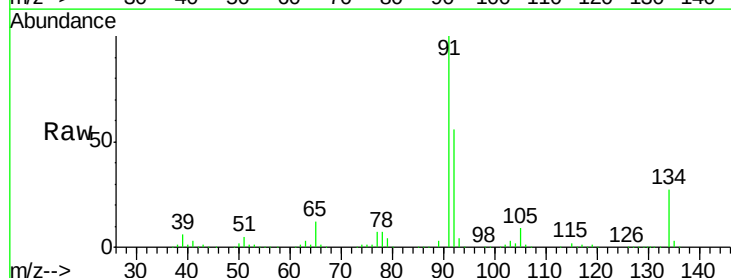
Tgt Ion: 91 Resp: 3110586

Ion Ratio Lower Upper

91 100

92 56.1 45.0 67.6

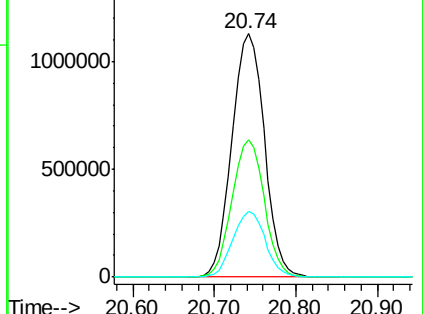
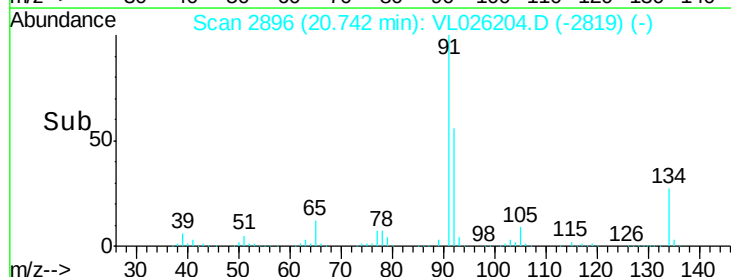
134 27.0 19.8 29.8

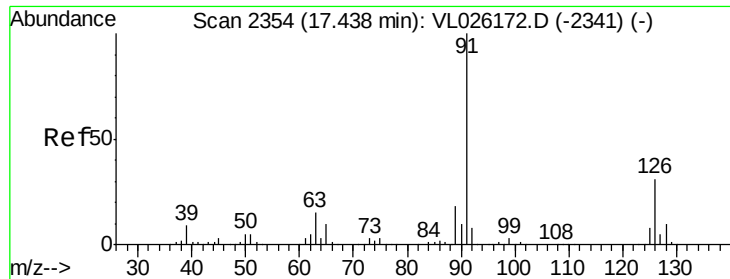


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.15 ppbv

RT: 17.41 min Scan# 2350

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2389541

Ion Ratio Lower Upper

91 100

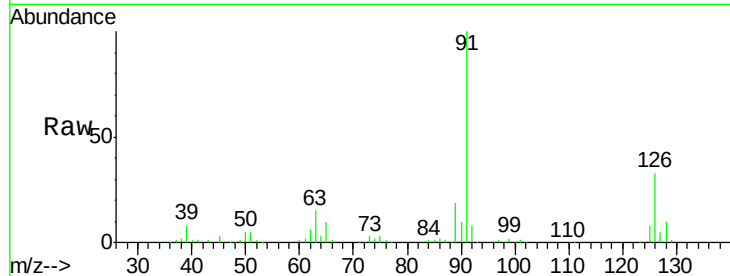
126 32.9 12.8 51.2

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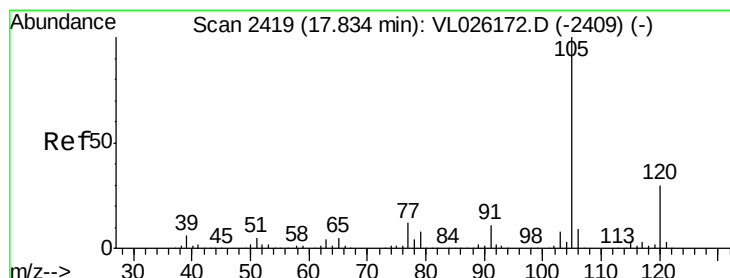
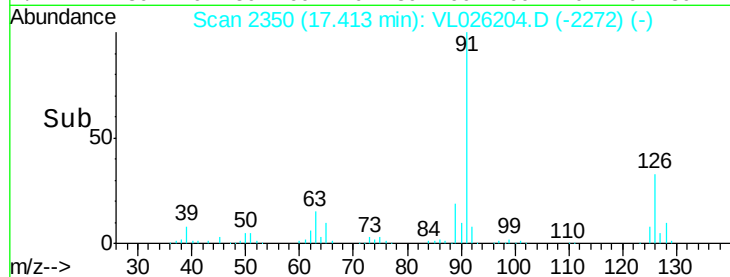
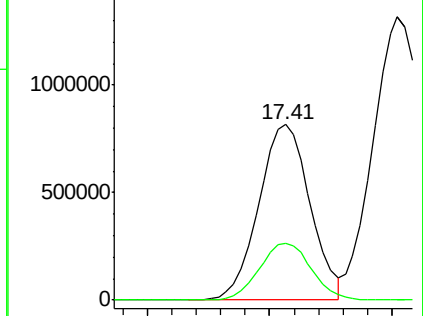
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.70 ppbv

RT: 17.80 min Scan# 2414

Delta R.T. -0.03 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Tgt Ion: 105 Resp: 2792392

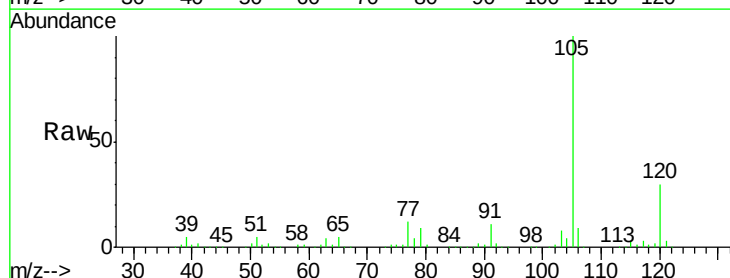
Ion Ratio Lower Upper

105 100

120 31.7 24.7 37.1

91 11.6 9.2 13.8

77 12.1 9.8 14.8

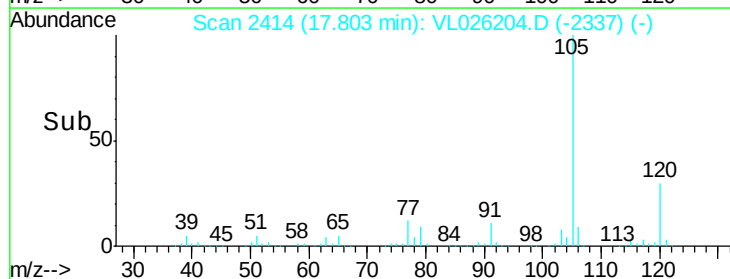
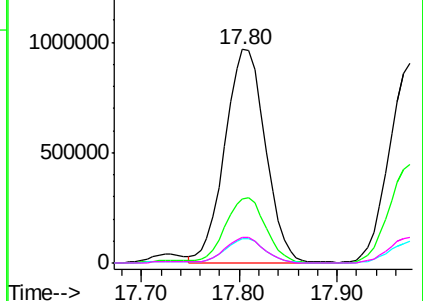


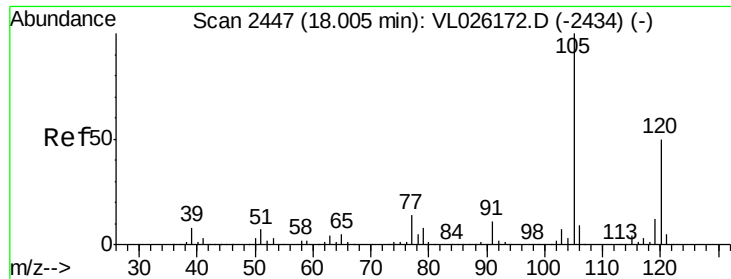
Abundance Ion 105.10 (104.80 to 105.80): V

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





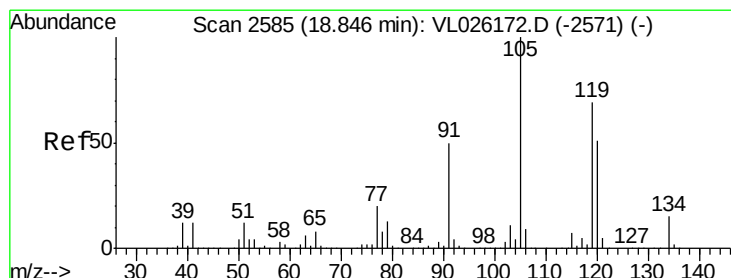
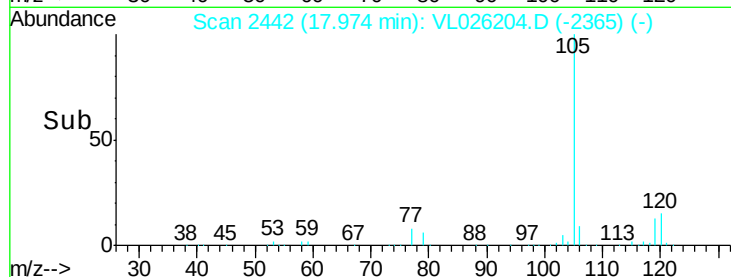
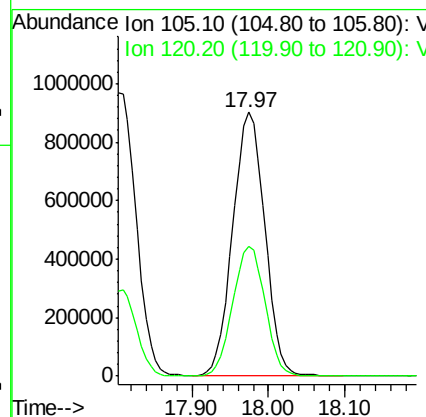
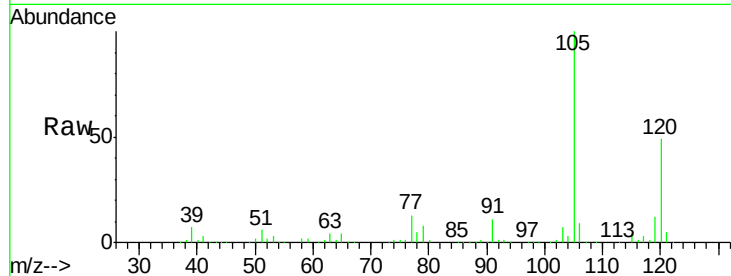
#73
 1,3,5-Trimethylbenzene
 Concen: 10.68 ppbv
 RT: 17.97 min Scan# 2442
 Delta R.T. -0.03 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 2619683
 Ion Ratio Lower Upper
 105 100
 120 49.2 40.1 60.1

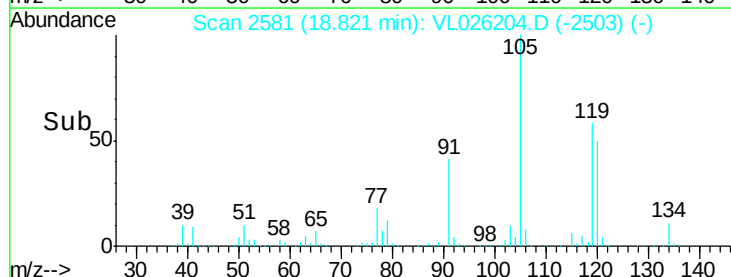
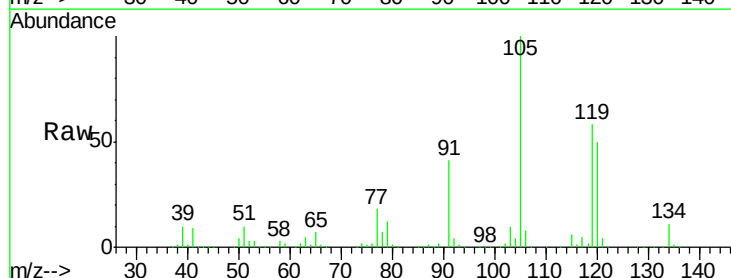
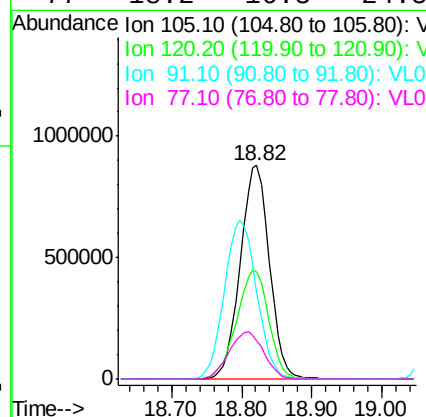
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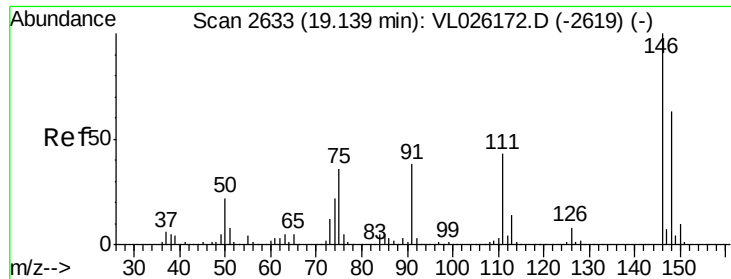
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.91 ppbv
 RT: 18.82 min Scan# 2581
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion:105 Resp: 2548328
 Ion Ratio Lower Upper
 105 100
 120 50.0 41.1 61.7
 91 40.7 39.8 59.6
 77 18.2 16.3 24.5





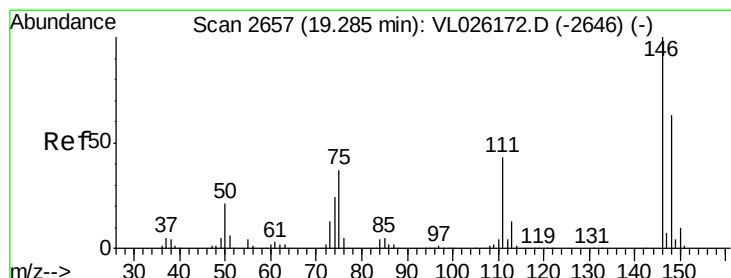
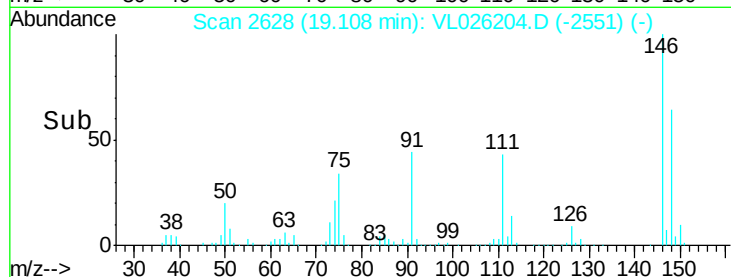
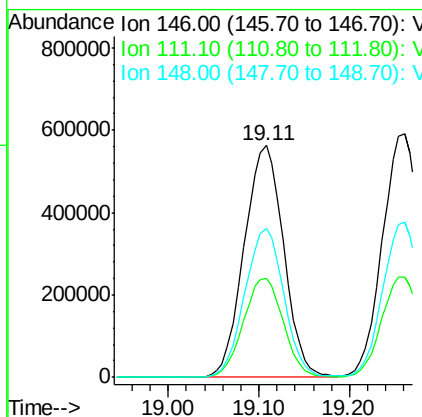
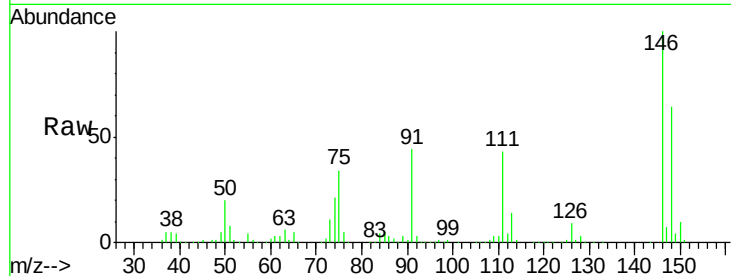
#75
 1,3-Dichlorobenzene
 Concen: 10.34 ppbv
 RT: 19.11 min Scan# 2628
 Delta R.T. -0.03 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1700740
 Ion Ratio Lower Upper
 146 100
 111 43.1 22.1 66.3
 148 63.4 31.9 95.5

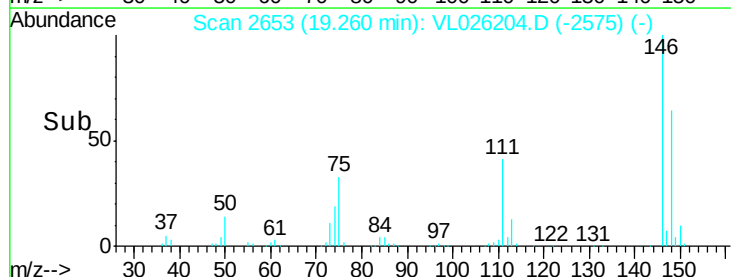
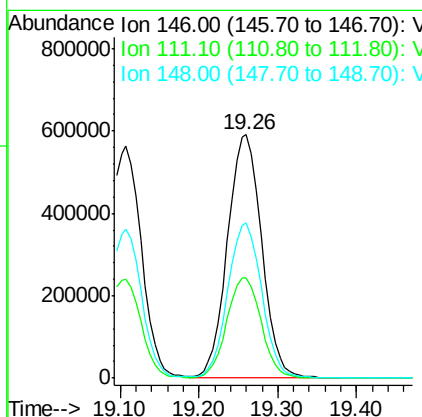
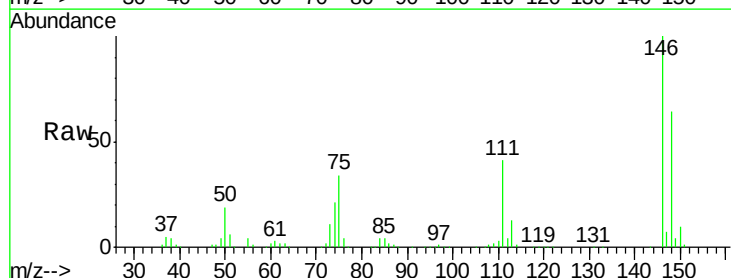
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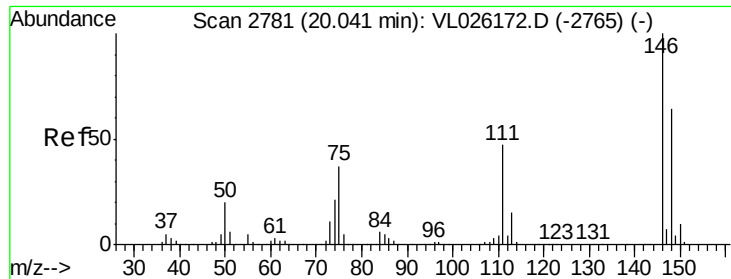
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#76
 1,4-Dichlorobenzene
 Concen: 10.74 ppbv
 RT: 19.26 min Scan# 2653
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion:146 Resp: 1781675
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.3 63.9
 148 63.7 31.6 94.8





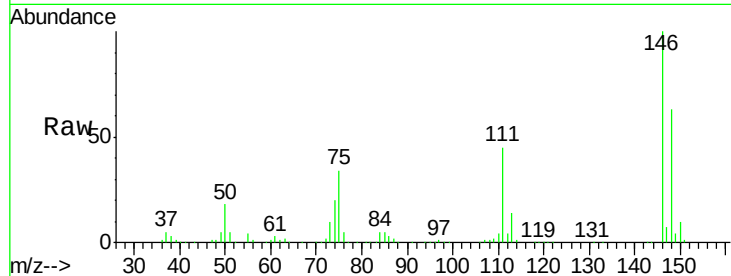
#77
 1,2-Dichlorobenzene
 Concen: 10.81 ppbv
 RT: 20.01 min Scan# 2776
 Delta R.T. -0.03 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

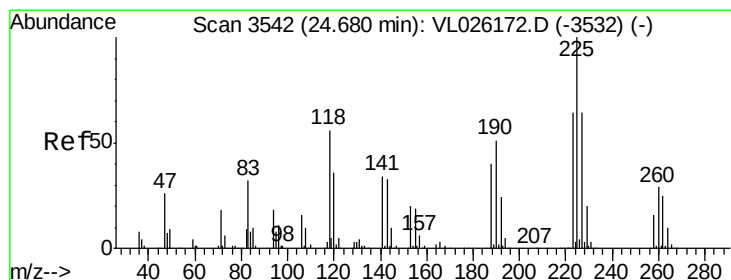
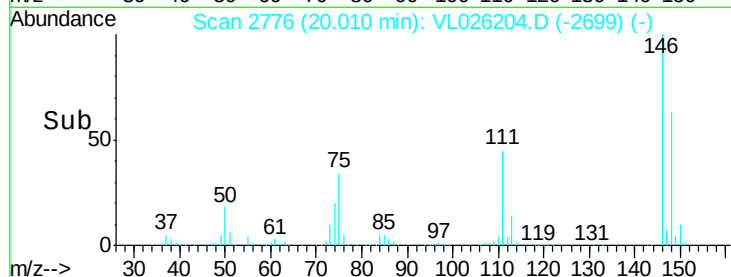
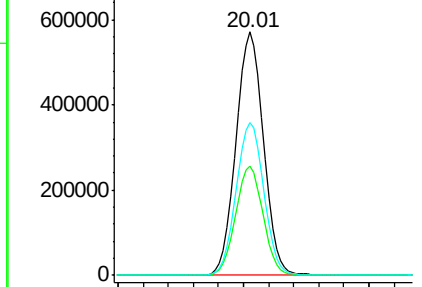
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	23.0	69.0
148	63.4	31.8	95.3

Manual Integrations
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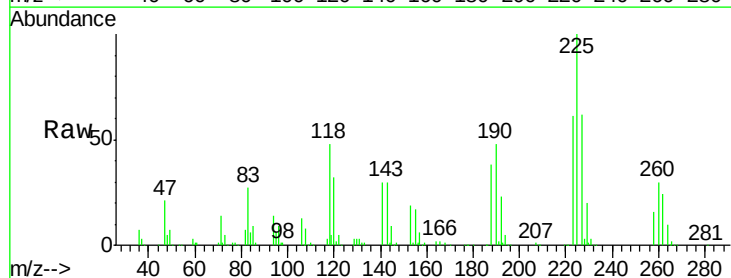


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

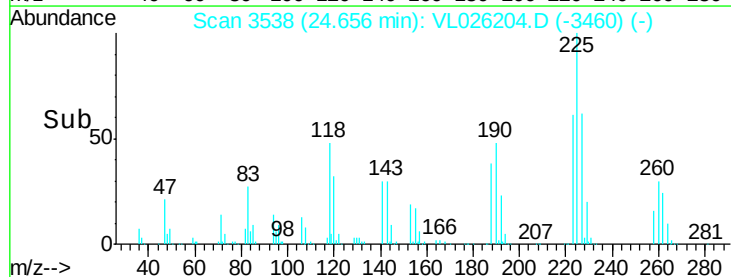
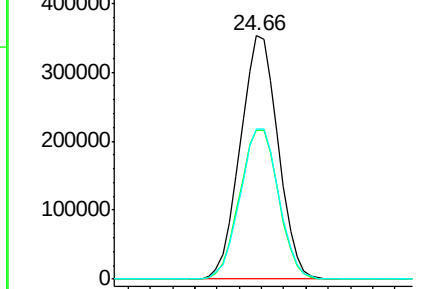


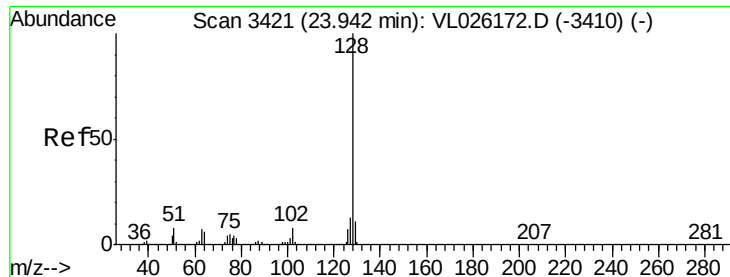
#78
 Hexachloro-1,3-Butadiene
 Concen: 12.94 ppbv
 RT: 24.66 min Scan# 3538
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	51.1	76.7
227	63.0	50.8	76.2



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





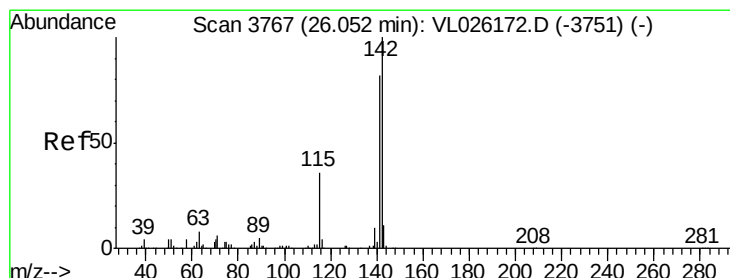
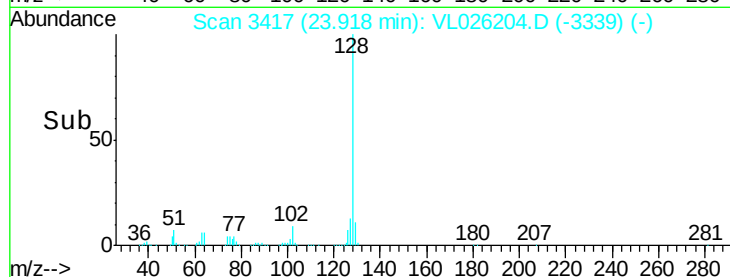
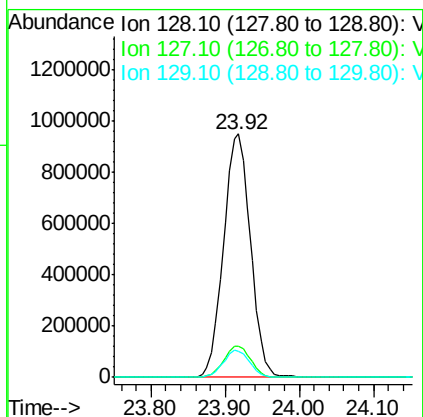
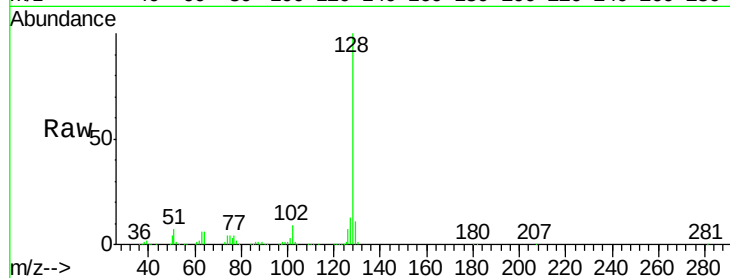
#79
Naphthalene
Concen: 14.84 ppbv
RT: 23.92 min Scan# 3417
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.7	13.1

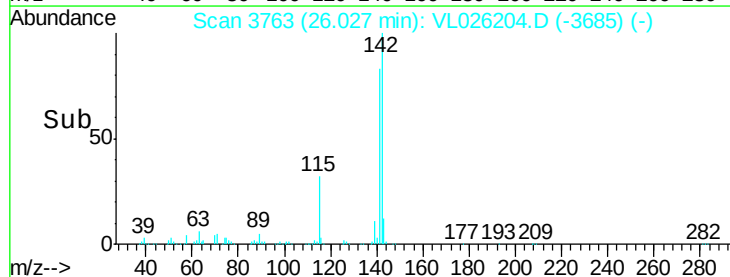
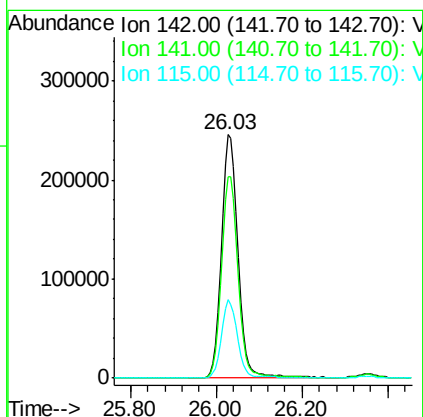
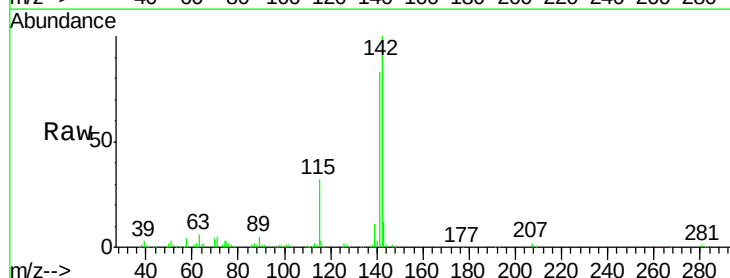
Manual Integrations
APPROVED

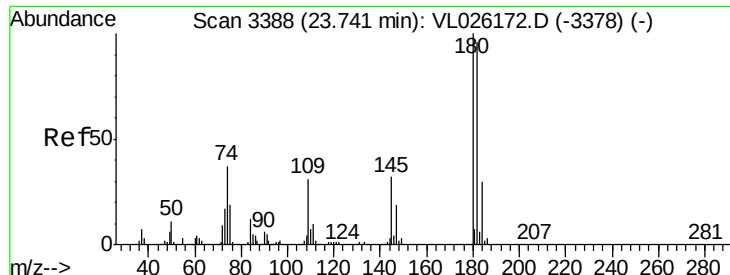
MMdadoda
10/12/2015 1:25:01 PM



#80
Naphthalene, 2-methyl-
Concen: 18.62 ppbv
RT: 26.03 min Scan# 3763
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.6	99.8
115	31.8	28.4	42.6





#81
 1,2,4-Trichlorobenzene
 Concen: 13.72 ppbv
 RT: 23.72 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
184	30.2	24.0	36.0

Manual Integrations
 APPROVED

MMdadoda
 10/12/2015 1:25:01 PM

